

SARS-CoV-2 & Bakterien.apr

		Section 1									
		(1)	1	11	22	33	44	55	66	77	
Candidatus Carsonella ruddii strain BT chromosome...	(1)	AAATAATTAATATTAAAGAAATAATTAATATTAAAAAATACATAATGTAATTTCTTATATTAATAAAATTTTAATT									
Candidatus Carsonella 135557 - 167442nt	(1)	-----									
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----									
		Section 2									
		(78)	78	88	99	110	121	132	143	154	
Candidatus Carsonella ruddii strain BT chromosome...	(78)	TATAATAATTCAATAAAACAAATAGAAAATATTATTTTTTGGTTGTTTCCAATTATACCAAATATTTCTAAAATTTT									
Candidatus Carsonella 135557 - 167442nt	(1)	-----									
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----									
		Section 3									
		(155)	155	165	176	187	198	209	220	231	
Candidatus Carsonella ruddii strain BT chromosome...	(155)	TTGGTTTAAAAATTGGAAATTTATTTCCAATTGAAAAATTTAAAAATCAAAATTTAATATTAAAAAAATTTAAATTT									
Candidatus Carsonella 135557 - 167442nt	(1)	-----									
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----									
		Section 4									
		(232)	232	242	253	264	275	286	297	308	
Candidatus Carsonella ruddii strain BT chromosome...	(232)	ATTATAAACAAAAATTTATTAAGTCTATTAATAATATAGAAATAAAAAATAATTTCTAATAAAAAATATTTATATTCAA									
Candidatus Carsonella 135557 - 167442nt	(1)	-----									
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----									
		Section 5									
		(309)	309	319	330	341	352	363	374	385	
Candidatus Carsonella ruddii strain BT chromosome...	(309)	AAAATTATATTTTCAATGGATAAAATTTCTATTTTAATAGAAATAATATCTTCTAAATTATTAAAAATTTAAATTTT									
Candidatus Carsonella 135557 - 167442nt	(1)	-----									
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----									
		Section 6									
		(386)	386	396	407	418	429	440	451	462	
Candidatus Carsonella ruddii strain BT chromosome...	(386)	TTTTTTATTTTTTTAATTTTTTGTAAATATATCATTATTTTTATTATTTATAGCTCCAGCATGCCCCATAATTTTTTC									
Candidatus Carsonella 135557 - 167442nt	(1)	-----									
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----									

SARS-CoV-2 & Bakterien.apr

		Section 7							
Candidatus Carsonella ruddii strain BT chromosome...	(463)	463	473	484	495	506	517	528	539
	(463)	TAATGGAGAAAAACACCAGAAATAAAAAAACATTGGTTTTTTTTTAAATTTTGAAAAATAAAATTTCTATATTTTC							
	(1)	-----							
	(1)	-----							
		Section 8							
Candidatus Carsonella ruddii strain BT chromosome...	(540)	540	550	561	572	583	594	605	616
	(540)	CTCCAATTTCTCCTATTATTAAATTTTTTTGTAAAAATTAACTAAATAATGGTAAAAATTTTTTAAATTAATA							
	(1)	-----							
	(1)	-----							
		Section 9							
Candidatus Carsonella ruddii strain BT chromosome...	(617)	617	627	638	649	660	671	682	693
	(617)	TTTATGACTACATCACCTCCTATTTCCTAAACATAAAGATTGACCTATATTTAATTTATTAGATATTTTTATAGCTTC							
	(1)	-----							
	(1)	-----							
		Section 10							
Candidatus Carsonella ruddii strain BT chromosome...	(694)	694	704	715	726	737	748	759	770
	(694)	ATATGTTAAAGTTCCAGATCTTGAAATAATTGCTAAATATCCTTTTTTATATATTTTAAAGGAAAAATACCAAGTC							
	(1)	-----							
	(1)	-----							
		Section 11							
Candidatus Carsonella ruddii strain BT chromosome...	(771)	771	781	792	803	814	825	836	847
	(771)	TAATATTAAATATGGTAAATAATTCTGGAGAATTAGGACCTATAAATATTATGTTATATTTATTACAATAATAT							
	(1)	-----							
	(1)	-----							
		Section 12							
Candidatus Carsonella ruddii strain BT chromosome...	(848)	848	858	869	880	891	902	913	924
	(848)	TTTATTTTTTAAATATCAAAAATTGATATATTTTCAGTTATGCATATTATAATTTTTATACCTGAAAATATATTTTC							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 13							
Candidatus Carsonella ruddii strain BT chromosome...	(925)	925	935	946	957	968	979	990	1001
	(925)	TAATATAATGTTTTTACAAAATAAAAACGGAACAAATATAATTGAAATTTTACATTTAGTTATTTTTAAAGCTTTTA							
	(1)	-----							
	(1)	-----							
		Section 14							
Candidatus Carsonella ruddii strain BT chromosome...	(1002)	1002	1012	1023	1034	1045	1056	1067	1078
	(1002)	AACTAGAAGAAAAAATTGGTAAATTTAAAATTAAATAACCCCTTTTTTTTATAATTTAAACCACAAGAAAAAATGTT							
	(1)	-----							
	(1)	-----							
		Section 15							
Candidatus Carsonella ruddii strain BT chromosome...	(1079)	1079	1089	1100	1111	1122	1133	1144	1155
	(1079)	CCATAATTAATAGAAATTTTAGTATGAAAAAACCAAATTTACCAGTTAAACCACAAGATAAAATTTTTTTATTTAA							
	(1)	-----							
	(1)	-----							
		Section 16							
Candidatus Carsonella ruddii strain BT chromosome...	(1156)	1156	1166	1177	1188	1199	1210	1221	1232
	(1156)	CATTTGATAAAATTATACATTTTTTAATACAATTATTTAAATTTTCGATAATTATTAAATTTTTTAAATTTTATTAAT							
	(1)	-----							
	(1)	-----							
		Section 17							
Candidatus Carsonella ruddii strain BT chromosome...	(1233)	1233	1243	1254	1265	1276	1287	1298	1309
	(1233)	TTTTTTTTAGAATAATTAGAAAAAGCTCCATCTAATCTAATTATTATTTTATGATTAAAAATCAAATACATATAATT							
	(1)	-----							
	(1)	-----							
		Section 18							
Candidatus Carsonella ruddii strain BT chromosome...	(1310)	1310	1320	1331	1342	1353	1364	1375	1386
	(1310)	TAATAAAGAGTTTAAATATTTTTTTACAAGAACTATTCCTCCAAATAAATTTATAAACAAAATTTTAAATATTTTATAG							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 19							
Candidatus Carsonella ruddii strain BT chromosome...	(1387)	1387	1397	1408	1419	1430	1441	1452	1463
	(1387)	TTAAAACAAAATTAAATAAATTATTTATTTGCAAATCTTTAATTTGACCGCTTAAATCTATAAAATTAAAACATTTA							
	(1)	-----							
	(1)	-----							
		Section 20							
Candidatus Carsonella ruddii strain BT chromosome...	(1464)	1464	1474	1485	1496	1507	1518	1529	1540
	(1464)	GAATTATTATAACAAAAAAATCTAAAGTTTTTAAAGCTAAACCTGCTCCATTTACTATACAACAAATTTTACCTTT							
	(1)	-----							
	(1)	-----							
		Section 21							
Candidatus Carsonella ruddii strain BT chromosome...	(1541)	1541	1551	1562	1573	1584	1595	1606	1617
	(1541)	TAATTGAATATAATTTATTTTTAATAAATTTGAAATTTTTTCAGAAAAATTTAAATACTTTTTTTTTTCAATAACAA							
	(1)	-----							
	(1)	-----							
		Section 22							
Candidatus Carsonella ruddii strain BT chromosome...	(1618)	1618	1628	1639	1650	1661	1672	1683	1694
	(1618)	TTTTACAATCTAATATATAAATATTGTTATTATTTATTATTAAAGGATTAATTTCTATTAATAAAATATTTTTTATA							
	(1)	-----							
	(1)	-----							
		Section 23							
Candidatus Carsonella ruddii strain BT chromosome...	(1695)	1695	1705	1716	1727	1738	1749	1760	1771
	(1695)	AATAAAATTTTGTATATATTATAAATTATATTAATAATTTTTTTTATAGAATTATTATTAAATAACAATTTGATAA							
	(1)	-----							
	(1)	-----							
		Section 24							
Candidatus Carsonella ruddii strain BT chromosome...	(1772)	1772	1782	1793	1804	1815	1826	1837	1848
	(1772)	ATAATCAAAAATAGAAAAATTAATAATTAATAAATTTATTTTAAATTTTAAAAAATTAATTTTTTTTTTGTAGTTCTA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 25									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(1849)	1849	1859	1870	1881	1892	1903	1914	1925
	(1849)	TATTTATACCACCTTTTTCTGATAAAATAAAAAATTAAAAAATTATTATTAAAAAAAACGAAATATATAATTCATTT							
	(1)	-----							
	(1)	-----							
Section 26									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(1926)	1926	1936	1947	1958	1969	1980	1991	2002
	(1926)	TCTATTAAAAATATAATTTTCAATTAAAAAATTTTAAATTTTTTTTTTAAATAAAAAAGAATTTTCCATTTTTTAA							
	(1)	-----							
	(1)	-----							
Section 27									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2003)	2003	2013	2024	2035	2046	2057	2068	2079
	(2003)	AAACGATAAACAATATTTAAAAGTGTTTATTAATAATTACACCATTATTTTTTTTCTATATCCGCTATGAACTTGTA							
	(1)	-----							
	(1)	-----							
Section 28									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2080)	2080	2090	2101	2112	2123	2134	2145	2156
	(2080)	TTTTATATATTTTGTTTTTAAAAAATAAATTTAACTAAATAAGAATTTAAATTTAAAAATTAATTTTCTT							
	(1)	-----							
	(1)	-----							
Section 29									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2157)	2157	2167	2178	2189	2200	2211	2222	2233
	(2157)	AAAATTTTTTTAGCTTCGTATTCATATAAATTCATATTTTTTTATTTTTAAAAATTAAAAATTTTCATTTTTTGAAAA							
	(1)	-----							
	(1)	-----							
Section 30									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2234)	2234	2244	2255	2266	2277	2288	2299	2310
	(2234)	AAAAAATATTTTTTAATATTTTTTTAATATTTTTTGAAAAAATTTAAATTTGAAAAATCAATATTTAATTGTCTAAAA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 31	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2311)	2311	2321	2332	2343	2354	2365	2376	2387
	(2311)	TGTTTTAAAAAATTTATTTTTTAATGAAATTAAATTATAAATTTCTTTAAAATTAGTATTTTTTAATTAAATAAATTAA							
	(1)	-----							
	(1)	-----							
								Section 32	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2388)	2388	2398	2409	2420	2431	2442	2453	2464
	(2388)	ATTTATCATAATATAGTTATTTATTTTTTTAATATATTTCTTTTTTTTTCTATTATTAAATACTTTATATCTTTTA							
	(1)	-----							
	(1)	-----							
								Section 33	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2465)	2465	2475	2486	2497	2508	2519	2530	2541
	(2465)	TACTATTTTAAAATTTTTTTTATTTTTTTAAAAAAAAAAAAAAAAATATTAATATTATTTATTAAATAAAAAATTTCTTTTT							
	(1)	-----							
	(1)	-----							
								Section 34	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2542)	2542	2552	2563	2574	2585	2596	2607	2618
	(2542)	GATAATTTTTTACCATTTAAATAATTAATGTTAGGTAAATGATTAAAAATTGAAAAAAAAATTATATTTTTTACATAA							
	(1)	-----							
	(1)	-----							
								Section 35	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2619)	2619	2629	2640	2651	2662	2673	2684	2695
	(2619)	AAATAATTGAAAAGGAATTTGATTTAACCATTCTTTACCCCTTATAATAATAAGAGTATTATTATAATAATCATTA							
	(1)	-----							
	(1)	-----							
								Section 36	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2696)	2696	2706	2717	2728	2739	2750	2761	2772
	(2696)	ATAATGTAGAAAAATTATATGTAGGTATACCTATTTTTTTAATTAAATTTGTTTTTCTAATTGTATTTTATAATTT							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 37	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2773)	<u>2773</u>	<u>2783</u>	<u>2794</u>	<u>2805</u>	<u>2816</u>	<u>2827</u>	<u>2838</u>	<u>2849</u>
	(2773)	AATAAACCATTAATTATTATCAAAATAATTAATTTTACAATTTTTTTAAAATTATAAAAAAGAATAATTAATGTTTTT							
	(1)	-----							
	(1)	-----							
								Section 38	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2850)	<u>2850</u>	<u>2860</u>	<u>2871</u>	<u>2882</u>	<u>2893</u>	<u>2904</u>	<u>2915</u>	<u>2926</u>
	(2850)	ATTTTTTATTTTATTGTTAAAAAATATTTTTTTTAAACTATTTTTTTTTTAAAATTAATAATATTTTTTATATATAAAC							
	(1)	-----							
	(1)	-----							
								Section 39	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(2927)	<u>2927</u>	<u>2937</u>	<u>2948</u>	<u>2959</u>	<u>2970</u>	<u>2981</u>	<u>2992</u>	<u>3003</u>
	(2927)	TATTAAAATCTGTTTGCTTTTTTATTTTTTTAATAAAAAATACCATTATTTTTTAAATTTTTTAAATATAAAATTTA							
	(1)	-----							
	(1)	-----							
								Section 40	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3004)	<u>3004</u>	<u>3014</u>	<u>3025</u>	<u>3036</u>	<u>3047</u>	<u>3058</u>	<u>3069</u>	<u>3080</u>
	(3004)	TTTATTAATTTATTTTTTTTTTTCATTTGTGTTATCAAATCTTAAAGTTATATTACCGATAATTTTATTTTTTAAAT							
	(1)	-----							
	(1)	-----							
								Section 41	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3081)	<u>3081</u>	<u>3091</u>	<u>3102</u>	<u>3113</u>	<u>3124</u>	<u>3135</u>	<u>3146</u>	<u>3157</u>
	(3081)	ATAATTTGTTAATAACACATATATATTACCTATATGTGGTACTCCACTTGGAGTTATAGCAATTCTAAATTATACA							
	(1)	-----							
	(1)	-----							
								Section 42	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3158)	<u>3158</u>	<u>3168</u>	<u>3179</u>	<u>3190</u>	<u>3201</u>	<u>3212</u>	<u>3223</u>	<u>3234</u>
	(3158)	TTTTTTTTTTTTTAAAAAATGGGTTTAGTAGGACTTGAACCTACAACCTAGAGGATTATGAGTCCTATACTCTAACCAA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 43	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3235)	3235	3245	3256	3267	3278	3289	3300	3311
	(3235)	TTGAGTTATAAACCCCTTTATAAATTTAATTTTTTAATAAATAATATTATTAAACAAAAAAATTAAATCATTGTTATC							
	(1)	-----							
	(1)	-----							
								Section 44	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3312)	3312	3322	3333	3344	3355	3366	3377	3388
	(3312)	ATAAATAATATAATATATATGAAAAAATTTTAATAACAACAGCTTTACCATATATTAATGGAGTTATACATATTGG							
	(1)	-----							
	(1)	-----							
								Section 45	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3389)	3389	3399	3410	3421	3432	3443	3454	3465
	(3389)	GCATATTTATGAAATGTATATATCTAATATGTATTATTTATTATAAAAAAATATTATAATTGTAAAAATTTTTCTG							
	(1)	-----							
	(1)	-----							
								Section 46	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3466)	3466	3476	3487	3498	3509	3520	3531	3542
	(3466)	GTTTAGATTGTCATGGTTTAATTAAAAATAATAATTTATTAAAAATTGAATTTTTTAATAAAAAAAAAAATTTTTTTT							
	(1)	-----							
	(1)	-----							
								Section 47	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3543)	3543	3553	3564	3575	3586	3597	3608	3619
	(3543)	TATAATTTAAATTAATCAAAAAAACTATTTCTTTTATTAATAAAAGATTTTGTAATTGGGTTTTTATATTATT							
	(1)	-----							
	(1)	-----							
								Section 48	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3620)	3620	3630	3641	3652	3663	3674	3685	3696
	(3620)	ATCAGATAAAAATAAAATATTTAGTAAATTACTTATAAATTTTTTAATAAAAAAAAAAATTTTTTTATACCTGATA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

									Section 49
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3697)	3697	3707	3718	3729	3740	3751	3762	3773
	(3697)	AATATATAAAAAATATTATGTAAAAAATGTAATTTTGAAATGGAAAATTTTTATTGTACAAATTGTTTATATTATAAA							
	(1)	-----							
	(1)	-----							
									Section 50
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3774)	3774	3784	3795	3806	3817	3828	3839	3850
	(3774)	AAATTTTATATTGTTTCAAAATTTAAAAAAAAAAAAATATAAAATTAAAAAAAAATAATAGCATTTTTTTAAAAAATTA							
	(1)	-----							
	(1)	-----							
									Section 51
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3851)	3851	3861	3872	3883	3894	3905	3916	3927
	(3851)	TATTTTTAAAGATTGGGATATTTCAAGATATAAAAAATATAATGGTTTTAAATTTATATCAAAAAAAAAAATTTTTT							
	(1)	-----							
	(1)	-----							
									Section 52
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(3928)	3928	3938	3949	3960	3971	3982	3993	4004
	(3928)	TTTATGTTTGGTATGATGCTATTATAAGTTATATTTCTAATAATTTAAATTTTATAAAAAATAATTTTTATAATTTT							
	(1)	-----							
	(1)	-----							
									Section 53
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4005)	4005	4015	4026	4037	4048	4059	4070	4081
	(4005)	GTTTTTTTCCAAATTATTGGTAAAGATATTATTTATTTTCATAAATTATTTTATATAATTTTAAAAATTTTAAATTT							
	(1)	-----							
	(1)	-----							
									Section 54
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4082)	4082	4092	4103	4114	4125	4136	4147	4158
	(4082)	TAAAAAATATAATTTTTTAATTCATGGTTTTATTTTTTATAATAACAAAATTTCTAAATCTAAAATAATTAAATTA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 55	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4159)	4159	4169	4180	4191	4202	4213	4224	4235
	(4159)	AGAAAAATAAAAAAAAAATAAATTGTTATTTTTTTTTTTTAAATTAATAATAAAAAATTATAAAGAAGATATACATTATGAT							
	(1)	-----							
	(1)	-----							
								Section 56	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4236)	4236	4246	4257	4268	4279	4290	4301	4312
	(4236)	TATCTATTAATTAATAATTATTATAAAAAAATTTTTTTTAAATAAAATTTTAAATTTATTTTTTTAGAATAAGAACAAT							
	(1)	-----							
	(1)	-----							
								Section 57	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4313)	4313	4323	4334	4345	4356	4367	4378	4389
	(4313)	TTTAAAAAATATGATAATAAAATTATTGATTTTTTTTAAATTTAAAAAATCATTTTTATGAATTTAATTTTTTAA							
	(1)	-----							
	(1)	-----							
								Section 58	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4390)	4390	4400	4411	4422	4433	4444	4455	4466
	(4390)	AAAAAAAAAATTAAACAATTTTTATTATAAAAAAATAAAAAATATATTAAATATAAACAAAAATATAAATAAAAAAT							
	(1)	-----							
	(1)	-----							
								Section 59	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4467)	4467	4477	4488	4499	4510	4521	4532	4543
	(4467)	AAATTTTGGAAAAAAAAAATAATTTTTTAAATTCATTTTTATTATTCAAAAAATATTTTTTTTTTATATAAAAAATTT							
	(1)	-----							
	(1)	-----							
								Section 60	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(4544)	4544	4554	4565	4576	4587	4598	4609	4620
	(4544)	AAATATTTTAAATTGAAATAATTAACAATAAAATTATTAAAAACAATTTATATAAAAAATTGTAAATATTTAATTTAA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 61							
Candidatus Carsonella ruddii strain BT chromosome...	(4621)	4621	4631	4642	4653	4664	4675	4686	4697
	(4621)	AAAAAATTAATGAAATTTAAAAATTTTATTTTATATAATATTAAAAAAATATTAAAACTGTATAAATTGTAATTT							
	(1)	-----							
	(1)	-----							
		Section 62							
Candidatus Carsonella ruddii strain BT chromosome...	(4698)	4698	4708	4719	4730	4741	4752	4763	4774
	(4698)	TTGTATATTTTTTTGTCCAAAATTTAAATTAACAAAAAAAAAATAAAATAAAATTAATAATTTTGTAT							
	(1)	-----							
	(1)	-----							
		Section 63							
Candidatus Carsonella ruddii strain BT chromosome...	(4775)	4775	4785	4796	4807	4818	4829	4840	4851
	(4775)	ATTATTGTAATATTTTTTTGTAAAATTAATTGTATTAAATAATTAATCTTAACTATTAATATTTATAAAACCTTGAG							
	(1)	-----							
	(1)	-----							
		Section 64							
Candidatus Carsonella ruddii strain BT chromosome...	(4852)	4852	4862	4873	4884	4895	4906	4917	4928
	(4852)	AATCAATTTGTTCAAATTTTTTGCTAATTTTCATCAAAAGAAGAATTTTTTTTATCATATAAAGAATTAAAAGAATAT							
	(1)	-----							
	(1)	-----							
		Section 65							
Candidatus Carsonella ruddii strain BT chromosome...	(4929)	4929	4939	4950	4961	4972	4983	4994	5005
	(4929)	CTATTTACAATAGTAATACATCCTTTATAAATTTTTATTTTAATAATACCATTTAAATATTTTTGTATATTATTAT							
	(1)	-----							
	(1)	-----							
		Section 66							
Candidatus Carsonella ruddii strain BT chromosome...	(5006)	5006	5016	5027	5038	5049	5060	5071	5082
	(5006)	AATATTTTGAATTAAATTCCTTTAGGCGACCACCAATAACCATTGTAACTAAATTTGTATATTTTATTGATAAAG							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

									Section 67
	(5083)	5083	5093	5104	5115	5126	5137	5148	5159
Candidatus Carsonella ruddii strain BT chromosome...	(5083)	ATTCTTTAAAAAAAATATTTCTTTATCTAATACAAAACCTTTCTAAATGTTTTCTAGAAAACATTATTATTGTTGCA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 68
	(5160)	5160	5170	5181	5192	5203	5214	5225	5236
Candidatus Carsonella ruddii strain BT chromosome...	(5160)	CCTGGTGATTTCATAACATCCTCTAGATTTTATTCCTATATATCTATTTTCTATTATATCTATTCTACCAATACCACA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 69
	(5237)	5237	5247	5258	5269	5280	5291	5302	5313
Candidatus Carsonella ruddii strain BT chromosome...	(5237)	AATTGATCCAATTTTATTTAATTTTAAAAATAAAATTTTCATTATTATAAAAAATTATTATTTATTTTAATTGGATCAC							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 70
	(5314)	5314	5324	5335	5346	5357	5368	5379	5390
Candidatus Carsonella ruddii strain BT chromosome...	(5314)	CATTTTTTAAAAGTTATAGATAAAATAAATTGGATAATCAATACTAATTTTCATTACTTAAAGTATTTTCCCACATATTT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 71
	(5391)	5391	5401	5412	5423	5434	5445	5456	5467
Candidatus Carsonella ruddii strain BT chromosome...	(5391)	TCTTCAGCTTCAAATAATAAATTATCCAATTCACCTCCTTCATAAGAATTATGAAATAAATTTTATCTATAGAATA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 72
	(5468)	5468	5478	5489	5500	5511	5522	5533	5544
Candidatus Carsonella ruddii strain BT chromosome...	(5468)	TTTTTTTGTTTTTTTATTAATTTTAAATATTATTTTAAATACAAAATCTAATAATTTATTTCTTGAATTTAAATCCC							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 73	
	(5545)	5545	5555	5566	5577	5588	5599	5610	5621
Candidatus Carsonella ruddii strain BT chromosome...	(5545)	AAATTCTCCATGGTGCTATAACTTTAATATTTGAATTAAAATATTTAAAACCTAATTCAAACGAATTTGGTCATTT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 74	
	(5622)	5622	5632	5643	5654	5665	5676	5687	5698
Candidatus Carsonella ruddii strain BT chromosome...	(5622)	CCCTTTCCTGTTGCTCCATGTGCAACGTAATTAGAATTAGTATAATAAGCAATTTTCATAATTTCTTTAGAAATTAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 75	
	(5699)	5699	5709	5720	5731	5742	5753	5764	5775
Candidatus Carsonella ruddii strain BT chromosome...	(5699)	AGGTCTAGCAATTGCTGTACCTAATAAATAAAAAATTTTCATATAAAAAACTAGATCTTAAATATGGAAAAACGTAAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 76	
	(5776)	5776	5786	5797	5808	5819	5830	5841	5852
Candidatus Carsonella ruddii strain BT chromosome...	(5776)	TTTTAATAAATTCATTTTTTTAAATTTTTTAATAAAAAATATTTTTTAACATTTAATTTTTTTGCTCTTTCTTTAGCAATT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 77	
	(5853)	5853	5863	5874	5885	5896	5907	5918	5929
Candidatus Carsonella ruddii strain BT chromosome...	(5853)	TTAATTTTCGTCTCCTTGACCTATATCAGCAGTAAATGTTATAACTTCAAATTTTGTTCCTTGTAACCATTTAATTAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 78	
	(5930)	5930	5940	5951	5962	5973	5984	5995	6006
Candidatus Carsonella ruddii strain BT chromosome...	(5930)	AACTGAAGTATCTAATCCTCCAGAATAAGCTAATACAATTTTTTTTTTTTATCATATTGACATTTATATATAATAATA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 79	
	(6007)	6007	6017	6028	6039	6050	6061	6072	6083
Candidatus Carsonella ruddii strain BT chromosome...	(6007)	TAAAATAATTAGGCTAAATAACATATTGGATATGTAATGGGTTGCAAACCCGTATAAACTGGTTCGATTCCAGTTTT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 80	
	(6084)	6084	6094	6105	6116	6127	6138	6149	6160
Candidatus Carsonella ruddii strain BT chromosome...	(6084)	AGCTTAATAAAAAATGCCCATATGGCGGAATGGTAGACGCAAGGGACTTAAAAATCCCTAGTTGAAAAACGTGTCAGTT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 81	
	(6161)	6161	6171	6182	6193	6204	6215	6226	6237
Candidatus Carsonella ruddii strain BT chromosome...	(6161)	CAAGTCTGACTTTGGGTAAAGTAAAATTTTTCTACACCAAATAATAATGAATTAAAAATTCCTTTTATTAAAAAAC							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 82	
	(6238)	6238	6248	6259	6270	6281	6292	6303	6314
Candidatus Carsonella ruddii strain BT chromosome...	(6238)	TTTGTTATAAAAAAATTTTATCAAAATAGGATTAATATGAAAATTTAATTTATTAATTAAAAAATTTAATTTTTTGT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 83	
	(6315)	6315	6325	6336	6347	6358	6369	6380	6391
Candidatus Carsonella ruddii strain BT chromosome...	(6315)	TTATAAAAAAATTTCTAGGTATAATATTGTTAAAAACAGATATTGTACCATAATAATTATTTTTTAAACAAAAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 84	
	(6392)	6392	6402	6413	6424	6435	6446	6457	6468
Candidatus Carsonella ruddii strain BT chromosome...	(6392)	AATAAATTTTTATCTTCTCCAGAAAATAAAATTATATTTTTATTTTTATATATCAAAGTGTTTTTAATATTATTAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

									Section 85
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(6469)	6469	6479	6490	6501	6512	6523	6534	6545
	(6469)	AGAATTTTTCATATAAAATTAAAAAATTTTTTTTAAATAATTTATTAATAATATTATAATTTAAAAATAATATTATTTTC							
	(1)	-----							
	(1)	-----							
									Section 86
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(6546)	6546	6556	6567	6578	6589	6600	6611	6622
	(6546)	TTTTTGGTATATTATATAATATATTTTTTTAAACCAAATTTATTAATTTATTTTAAAAATATTTAAATAAATTTAAATTA							
	(1)	-----							
	(1)	-----							
									Section 87
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(6623)	6623	6633	6644	6655	6666	6677	6688	6699
	(6623)	TTAATTAAAAATATAATTTGGTATATTAATTAATACTTTAATATTATTATTTATTTTAAATAAAAAAATAAATAAAA							
	(1)	-----							
	(1)	-----							
									Section 88
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(6700)	6700	6710	6721	6732	6743	6754	6765	6776
	(6700)	AATTTTTTTTAATGTTAATTTTATTTATATTAAAAAATTTAATATTATATTTTTTTAATATATAATAAGATATTTA							
	(1)	-----							
	(1)	-----							
									Section 89
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(6777)	6777	6787	6798	6809	6820	6831	6842	6853
	(6777)	TATAATCTTTTGTTTTAAATTTATGAGATTCACCTGTTGTACCTAAAAATAAAAAATTTTAAATTTTGTTAAAAATA							
	(1)	-----							
	(1)	-----							
									Section 90
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(6854)	6854	6864	6875	6886	6897	6908	6919	6930
	(6854)	TAAAAATTTATTAAAAAATTTAAATTTAACCAATTTATTTTTCCGTTTTTTTTTAAAAGGAGTAACAATTGCAATTGT							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 91							
Candidatus Carsonella ruddii strain BT chromosome...	(6931)	6931	6941	6952	6963	6974	6985	6996	7007
	(6931)	ATTGTACATTTTAAATATATATAAAATATTGAGTTGTGTAGGATTTGAACCTACGACCAATTGGTTAAAAGCCAATTGC							
	(1)	-----							
	(1)	-----							
		Section 92							
Candidatus Carsonella ruddii strain BT chromosome...	(7008)	7008	7018	7029	7040	7051	7062	7073	7084
	(7008)	TCTACCTGTCTGAGCTAACAACCCATTTTATTGTTTAAACAATAATATTAATTCTATTTTAAAAAAAATCAATTTT							
	(1)	-----							
	(1)	-----							
		Section 93							
Candidatus Carsonella ruddii strain BT chromosome...	(7085)	7085	7095	7106	7117	7128	7139	7150	7161
	(7085)	TTTATTTTAAAAAATGTTTAAACATTTCTATAATTGGTGCTGGTGTTATTAGTGCTATAACAAGTTTAAATGATAAAT							
	(1)	-----							
	(1)	-----							
		Section 94							
Candidatus Carsonella ruddii strain BT chromosome...	(7162)	7162	7172	7183	7194	7205	7216	7227	7238
	(7162)	TTAATTAATCAAAAATTAAAAATATTTATTTTGAATTAACAATAAAGTTGCAATAGAAAATTCTAAAGCAACAAA							
	(1)	-----							
	(1)	-----							
		Section 95							
Candidatus Carsonella ruddii strain BT chromosome...	(7239)	7239	7249	7260	7271	7282	7293	7304	7315
	(7239)	CAATGCTGGTACAGGTCATGAAGGAATGTGTGAAAAATAATTATGTTAAACTATTAAATAAAAAATTATTATATTAATA							
	(1)	-----							
	(1)	-----							
		Section 96							
Candidatus Carsonella ruddii strain BT chromosome...	(7316)	7316	7326	7337	7348	7359	7370	7381	7392
	(7316)	AAAATATAAATATTTATTTTAAATTTAATTTAACAAAAAATTTTTTTCATGGATTAAATTTTAAATATATTTAAT							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 97	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(7393)	7393	7403	7414	7425	7436	7447	7458	7469
	(7393)	TTTAAAAAAGTTATTTCTAAAACTCCACATGTTTCTTTTTTTTTTTTTTAAAAATAATATAAAGTTAAAAAAAATTTT							
	(1)	-----							
	(1)	-----							
								Section 98	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(7470)	7470	7480	7491	7502	7513	7524	7535	7546
	(7470)	TAATAAAATTAGAATTTTAAATAAATCTATAAAATTTACTAATAATAATTTTTTTTAAATAAATTTTCATTGATAA							
	(1)	-----							
	(1)	-----							
								Section 99	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(7547)	7547	7557	7568	7579	7590	7601	7612	7623
	(7547)	TTAAAAAAAAAAAAAAAAATAAAAAAAAAATTTAGTATAACATATTACAAATATGGTTTTGATATAAATTACCAATATTTA							
	(1)	-----							
	(1)	-----							
								Section 100	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(7624)	7624	7634	7645	7656	7667	7678	7689	7700
	(7624)	TCTTTGAAAATTTTTCATTATTTAACAAAAAAAAATAAAATAAATTTATTTTTATCTTGTAATAATTATTAAATTA							
	(1)	-----							
	(1)	-----							
								Section 101	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(7701)	7701	7711	7722	7733	7744	7755	7766	7777
	(7701)	AAATTACAAAAACAATTTATTTTAACATTATTTAAAAAAAAATTTTTTAGAATATTAAGTATTGTTTTGTTT							
	(1)	-----							
	(1)	-----							
								Section 102	
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(7778)	7778	7788	7799	7810	7821	7832	7843	7854
	(7778)	GTGCAGGTGGTAGTAGTTTAAGTATATTAAAAAAATTTAATAAAAAAATTTCAAAAAATTATTTGAATTACCAATA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 103							
Candidatus Carsonella ruddii strain BT chromosome...	(7855)	7855	7865	7876	7887	7898	7909	7920	7931
	(7855)	AATGGAACATGGTTAATTTCTGAAGAAAAAATATTATTAAAAAACATAATTTAAAAATTTATAGTGAAACGATAAA							
	(1)	-----							
	(1)	-----							
		Section 104							
Candidatus Carsonella ruddii strain BT chromosome...	(7932)	7932	7942	7953	7964	7975	7986	7997	8008
	(7932)	AGGTAACCCACCAATGAGTATTCCTCATTTAGATATGAGAACAATTTTAAATGAGAAAAAATATTTTTTGGTCCTT							
	(1)	-----							
	(1)	-----							
		Section 105							
Candidatus Carsonella ruddii strain BT chromosome...	(8009)	8009	8019	8030	8041	8052	8063	8074	8085
	(8009)	TTGCTGGATTAACTTTTAAATTTTAATAAACACTAAAAAAATATAATAGAAAGTATTAATTTAAACATTTTATT							
	(1)	-----							
	(1)	-----							
		Section 106							
Candidatus Carsonella ruddii strain BT chromosome...	(8086)	8086	8096	8107	8118	8129	8140	8151	8162
	(8086)	AATTTAATTATTTTTTCATATGAAAACAGGTATATTATTAATTATTTAATAAATGAAAATTTAAAACTAAAAAAA							
	(1)	-----							
	(1)	-----							
		Section 107							
Candidatus Carsonella ruddii strain BT chromosome...	(8163)	8163	8173	8184	8195	8206	8217	8228	8239
	(8163)	AAAAATATTTGATATGTTTCCTTTTTGTAAAGTTATAAAAAATACTTATTGTAAAAATAGCAGGAAAAAGATTGCAAA							
	(1)	-----							
	(1)	-----							
		Section 108							
Candidatus Carsonella ruddii strain BT chromosome...	(8240)	8240	8250	8261	8272	8283	8294	8305	8316
	(8240)	TTTTAAAAAATAAAACAAAAATTAAATTAAATTTTGGTACAAAATTAATTTTAAATAAAAAATAAAATTTTGCA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 109									
Candidatus Carsonella ruddii strain BT chromosome...	(8317)	8317	8327	8338	8349	8360	8371	8382	8393
Candidatus Carsonella 135557 - 167442nt	(8317)	ACATTATTAGGAGCATCGCCTGGAGCTTCTATTTCTGTAAATATTGCTAAAAATTTAATTAAAAAGTGGTTTTTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 110									
Candidatus Carsonella ruddii strain BT chromosome...	(8394)	8394	8404	8415	8426	8437	8448	8459	8470
Candidatus Carsonella 135557 - 167442nt	(8394)	TCCTAAAAAATTTTTATTTAATTATAAAAAAATAATAAAAAATCTAAAAATTTAATTTTTTTATTGTATTGAAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 111									
Candidatus Carsonella ruddii strain BT chromosome...	(8471)	8471	8481	8492	8503	8514	8525	8536	8547
Candidatus Carsonella 135557 - 167442nt	(8471)	GAATTGAACCTTTTACTGTTTGATTTCGTAATCAAAAACTCTATCCGATGAGTTACAAATACTTAAAAATAGAGAAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 112									
Candidatus Carsonella ruddii strain BT chromosome...	(8548)	8548	8558	8569	8580	8591	8602	8613	8624
Candidatus Carsonella 135557 - 167442nt	(8548)	TAGGATTTCGAACCTACGATAATAAATATACTCCTTTAGCAGAGGAGTGTCTTAAGCCACTCGACCATTTCTCCTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 113									
Candidatus Carsonella ruddii strain BT chromosome...	(8625)	8625	8635	8646	8657	8668	8679	8690	8701
Candidatus Carsonella 135557 - 167442nt	(8625)	CATAAAATTTTTATTAAACATTAAATATAATTCTTTAATAGTTTTTATGGTATCTTTATCTTTAATAACTACAGATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 114									
Candidatus Carsonella ruddii strain BT chromosome...	(8702)	8702	8712	8723	8734	8745	8756	8767	8778
Candidatus Carsonella 135557 - 167442nt	(8702)	TTTTTGTTTCTGAAGTAGAAATTAAATAATATTTATTTTTAATTTAGACATGCAATATAATATTTTGTCTATAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 115									
Candidatus Carsonella ruddii strain BT chromosome...	(8779)	8779	8789	8800	8811	8822	8833	8844	8855
Candidatus Carsonella 135557 - 167442nt	(8779)	TTATTATGAGTTCTTAATCCTATACCAACAACAGAAATTTTGTATATTTAATTCATATTCTACTATTCCTCCTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 116									
Candidatus Carsonella ruddii strain BT chromosome...	(8856)	8856	8866	8877	8888	8899	8910	8921	8932
Candidatus Carsonella 135557 - 167442nt	(8856)	TTTAGGAATAATATATTTATTTATTTAAATATTTAGTTTTTTTACAAAATTTATTTTCAACTAAAAAAGTAAAATTTG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 117									
Candidatus Carsonella ruddii strain BT chromosome...	(8933)	8933	8943	8954	8965	8976	8987	8998	9009
Candidatus Carsonella 135557 - 167442nt	(8933)	TATTTTTTGCATTAATAATAGAAATTTTGAATAACCATATCTACACATATATTATTACATATAAATAGGTCCTAAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 118									
Candidatus Carsonella ruddii strain BT chromosome...	(9010)	9010	9020	9031	9042	9053	9064	9075	9086
Candidatus Carsonella 135557 - 167442nt	(9010)	TTCGATGCTACTCCTGCTGTATTTGGCAAATTTTACAGTAATTTTGTCTTCATTATTAGAAATGAGTTATACCAGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 119									
Candidatus Carsonella ruddii strain BT chromosome...	(9087)	9087	9097	9108	9119	9130	9141	9152	9163
Candidatus Carsonella 135557 - 167442nt	(9087)	AATCATTATACGTTCCATAGAATTAGAAAATTTTTTTTATTTGAAATTAATGTTTCCTTTATTTTAAAGAAAAGAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 120									
Candidatus Carsonella ruddii strain BT chromosome...	(9164)	9164	9174	9185	9196	9207	9218	9229	9240
Candidatus Carsonella 135557 - 167442nt	(9164)	ATAAAATTCTAATGTTAACATTATATTTTATTGCTATTTCAATTGATCTAACATATAAACTTTTGAACCAGAACTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 121							
Candidatus Carsonella ruddii strain BT chromosome...	(9241)	9241	9251	9262	9273	9284	9295	9306	9317
	(9241)	GATAATTCTAAAATATTTTCAAAGGAACAAATTCAATTTTAAATTTTACAAATTCTTGGATCAGAAAAAAAAT							
	(1)	-----							
	(1)	-----							
		Section 122							
Candidatus Carsonella ruddii strain BT chromosome...	(9318)	9318	9328	9339	9350	9361	9372	9383	9394
	(9318)	TGAATCAACATCAGTATAAATTTGACATTCTTTGCTTTTAAACATACTGCAATTGAAATAGCAGTTGTATCTGAAC							
	(1)	-----							
	(1)	-----							
		Section 123							
Candidatus Carsonella ruddii strain BT chromosome...	(9395)	9395	9405	9416	9427	9438	9449	9460	9471
	(9395)	CACCTCTTCCTAAAGTAGTAAATTTCCAGATTTTGTAATTCCTTGAAAACCTGCTAAAATTGGAATTTTACCTTTT							
	(1)	-----							
	(1)	-----							
		Section 124							
Candidatus Carsonella ruddii strain BT chromosome...	(9472)	9472	9482	9493	9504	9515	9526	9537	9548
	(9472)	AATAAATTTTTTTTTATAATAAAATAATTTTAAATTTTATTATTCTAGCATTATTATATTCTTTATTTGTTATTAA							
	(1)	-----							
	(1)	-----							
		Section 125							
Candidatus Carsonella ruddii strain BT chromosome...	(9549)	9549	9559	9570	9581	9592	9603	9614	9625
	(9549)	ACCTATTTGTATACTAGTTAAAGATTTTGATTTTATTTTATACTATTTAACAAAATACTAAATAAAGAAACACTCA							
	(1)	-----							
	(1)	-----							
		Section 126							
Candidatus Carsonella ruddii strain BT chromosome...	(9626)	9626	9636	9647	9658	9669	9680	9691	9702
	(9626)	TTTGCTCTCCTATACATAATAACAATCTAATTCCTTTTAAATTTTAAAGAAAAATATTTGGCTAATCTTATCATT							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 127							
Candidatus Carsonella ruddii strain BT chromosome...	(9703)	9703	9713	9724	9735	9746	9757	9768	9779
	(9703)	TTAGTTGTTTCTCCACTCATTGCAGATAATATCATTACTGTATAAAATTTTAAATTTTTTATATTTTTTTATTATATT							
	(1)	-----							
	(1)	-----							
		Section 128							
Candidatus Carsonella ruddii strain BT chromosome...	(9780)	9780	9790	9801	9812	9823	9834	9845	9856
	(9780)	TTTAAGAAATTTAATTCTTTTTTTAGAACCAATTGAAGTACCTCCAAATTTTGAATTATTATCATTATATAAATATT							
	(1)	-----							
	(1)	-----							
		Section 129							
Candidatus Carsonella ruddii strain BT chromosome...	(9857)	9857	9867	9878	9889	9900	9911	9922	9933
	(9857)	TTTAATTATTAAATATATTATTTTATATGATATTCCAAATGTTTCAAAAAAAAAATTCATTTGTATTAAATTTATTT							
	(1)	-----							
	(1)	-----							
		Section 130							
Candidatus Carsonella ruddii strain BT chromosome...	(9934)	9934	9944	9955	9966	9977	9988	9999	10010
	(9934)	TTTTTAATTTTATTTTTTTTAAATCAAAAAAAAAACTATATTCTTTTTTTATTAAAAAAATAAAAAATTTTAAACA							
	(1)	-----							
	(1)	-----							
		Section 131							
Candidatus Carsonella ruddii strain BT chromosome...	(10011)	10011	10021	10032	10043	10054	10065	10076	10087
	(10011)	TTATTTTTTAAATAAATTTTTTATTTTTTTTAAAAAAAAAATAAATATATTAAATATATTTATTTTTTTTTTAA							
	(1)	-----							
	(1)	-----							
		Section 132							
Candidatus Carsonella ruddii strain BT chromosome...	(10088)	10088	10098	10109	10120	10131	10142	10153	10164
	(10088)	AATTAAATTTAAATTTATTTTAAATAATTTATTTAATATAAAATTATGATATTTTGTAATTTAAATTAACGTTAT							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 133	
Candidatus Carsonella ruddii strain BT chromosome...	(10165)	10165	10175	10186	10197	10208	10219	10230	10241
Candidatus Carsonella 135557 - 167442nt	(10165)	TTTTTATTAAAAATATTGAATTGCACAAATCATTTAATTTTAAATTTTTTTTAAAAAATAAAAAATTTAACCTATCA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 134	
Candidatus Carsonella ruddii strain BT chromosome...	(10242)	10242	10252	10263	10274	10285	10296	10307	10318
Candidatus Carsonella 135557 - 167442nt	(10242)	TATCCTAAACCTGAATCTATTATATTATTTTTTAATTTAATAACTTTTTTATTATTTTTATAATATTTAATATTAAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 135	
Candidatus Carsonella ruddii strain BT chromosome...	(10319)	10319	10329	10340	10351	10362	10373	10384	10395
Candidatus Carsonella 135557 - 167442nt	(10319)	AATATTCCATATTTCTAACATAATATTTTTAAAAAATAATATATTTCTAAACAAAAACCTAAAAATCCATTTTTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 136	
Candidatus Carsonella ruddii strain BT chromosome...	(10396)	10396	10406	10417	10428	10439	10450	10461	10472
Candidatus Carsonella 135557 - 167442nt	(10396)	TAATTTTCCAAATATTTTTTTTTGTAAAAATTATATTTTAAATATTTATTTTAAATATTAAACATTAAATATAGTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 137	
Candidatus Carsonella ruddii strain BT chromosome...	(10473)	10473	10483	10494	10505	10516	10527	10538	10549
Candidatus Carsonella 135557 - 167442nt	(10473)	AAAAAATCAACAATATTTAAAGAAAAAATTTTTTTTTTATTTAATTTCTTAAAAATAAAATAAATATTGTATAGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 138	
Candidatus Carsonella ruddii strain BT chromosome...	(10550)	10550	10560	10571	10582	10593	10604	10615	10626
Candidatus Carsonella 135557 - 167442nt	(10550)	TATATTTAATAAAAAAATGTTTGTTTTACTTAAAAAATTACCTAACATTATAAATGAAGTTTTATGTATACCAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 139	
Candidatus Carsonella ruddii strain BT chromosome...	(10627)	10627	10637	10648	10659	10670	10681	10692	10703
Candidatus Carsonella 135557 - 167442nt	(10627)	CATTATTTAAATTTAAATCATTAAAAATACCTTTTAATCTTACACAATATTGAAAAGAGCAAAAATTATTTTTAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 140	
Candidatus Carsonella ruddii strain BT chromosome...	(10704)	10704	10714	10725	10736	10747	10758	10769	10780
Candidatus Carsonella 135557 - 167442nt	(10704)	GAATTTAGAATTATTTTTTTTAATTGATGAAAAACCAGAATTGTTAAACAATAAAGTTTTACAATTTGAAATAATATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 141	
Candidatus Carsonella ruddii strain BT chromosome...	(10781)	10781	10791	10802	10813	10824	10835	10846	10857
Candidatus Carsonella 135557 - 167442nt	(10781)	TTGTGTTCCCTAATATTTTAAAATTATAAATATTATAATATTTTAAATAATTAATCATATTTTTTAATTAAATTTCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 142	
Candidatus Carsonella ruddii strain BT chromosome...	(10858)	10858	10868	10879	10890	10901	10912	10923	10934
Candidatus Carsonella 135557 - 167442nt	(10858)	ATATTTTTTTAAAAATTTTTTTTCAAAGACATTTTTTTTAATTAATTCATTTTTCTCATATAATTTTTTGATTAAATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 143	
Candidatus Carsonella ruddii strain BT chromosome...	(10935)	10935	10945	10956	10967	10978	10989	11000	11011
Candidatus Carsonella 135557 - 167442nt	(10935)	AAATTTATTTTTTTTTTTTTTCAAATATTTTAAATTTAATTGAAAAATTAAAAATTCATTAATTTTATAAATTCCAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 144	
Candidatus Carsonella ruddii strain BT chromosome...	(11012)	11012	11022	11033	11044	11055	11066	11077	11088
Candidatus Carsonella 135557 - 167442nt	(11012)	ATCCAAAAATTAATTGTATTTTAGTTTCTCTGTAAGGTTTTGATAATTTATTTTTTAAATTAACCTTTAATTCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 145							
Candidatus Carsonella ruddii strain BT chromosome...	(11089)	11089	11099	11110	11121	11132	11143	11154	11165
	(11089)	TGACCAATAATATTATTTTTACTTTTTAAAAAACCAATTCTTTTAATTCTATTCTTATAGAAGAATAAAATTTAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 146							
Candidatus Carsonella ruddii strain BT chromosome...	(11166)	11166	11176	11187	11198	11209	11220	11231	11242
	(11166)	AGAATTTCCACCTGTAGAAATTTCTTTGAAAAAAATTAGAAATTTTAACTCTTACTTGATTAATTAATATAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 147							
Candidatus Carsonella ruddii strain BT chromosome...	(11243)	11243	11253	11264	11275	11286	11297	11308	11319
	(11243)	AAATATTATTTTTCTTATATTAGGTATAATTTTTTTTAACTTTTGAAATTAATCTAGCATGACAACCTATTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 148							
Candidatus Carsonella ruddii strain BT chromosome...	(11320)	11320	11330	11341	11352	11363	11374	11385	11396
	(11320)	TTATCTTGAGATATTATTTTCATTTTGAGATACAATTGCTGCTATTGAATCAATTATAATAACATTTACTAATTTTGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 149							
Candidatus Carsonella ruddii strain BT chromosome...	(11397)	11397	11407	11418	11429	11440	11451	11462	11473
	(11397)	ATTTATTAATTTAAAACATATTTCAAATACATTTTCACCATTATTTGGTTGAAATATTAATAATTTAGAAATGTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 150							
Candidatus Carsonella ruddii strain BT chromosome...	(11474)	11474	11484	11495	11506	11517	11528	11539	11550
	(11474)	TCCCCAAATTTTCTAAGTAATTTACATCTATACAATGTTCAACATCTATATACGCACAAATATCTCCAACCTTTTGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 151							
Candidatus Carsonella ruddii strain BT chromosome...	(11551)	11551	11561	11572	11583	11594	11605	11616	11627
	(11551)	GCTTCTTTAATTATCGATAAAGATAAAGTTGTTTTCTCTGATGATTCTTGACCAAATATTTCAATAATTCTACCATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 152							
Candidatus Carsonella ruddii strain BT chromosome...	(11628)	11628	11638	11649	11660	11671	11682	11693	11704
	(11628)	AGGTAATCCACCGATACCCAAAATATTATCTATGTTTAAAGAACCAGTTGATAAACATTCAATTTTTCTAAGATGAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 153							
Candidatus Carsonella ruddii strain BT chromosome...	(11705)	11705	11715	11726	11737	11748	11759	11770	11781
	(11705)	CAAAATTCATATTTTTTTTAAAAAAAAAATTATTTTTTATAATTTTACCACCTCCAAATATTACAGGAGAAATGCATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 154							
Candidatus Carsonella ruddii strain BT chromosome...	(11782)	11782	11792	11803	11814	11825	11836	11847	11858
	(11782)	TAGGTCATTTTTTTCAATATTTTATTATAGATATAATAATAAAATGGAAAATTTTACAAGAATATAAAATTAATTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 155							
Candidatus Carsonella ruddii strain BT chromosome...	(11859)	11859	11869	11880	11891	11902	11913	11924	11935
	(11859)	ATTTTTGGTTTAGATCATGCTGGAATTTTCAGCAATTATAAAATTTAAAAATATTAAAAACATAATTAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 156							
Candidatus Carsonella ruddii strain BT chromosome...	(11936)	11936	11946	11957	11968	11979	11990	12001	12012
	(11936)	ACAAATAATTATTAATTTTTTAAATCAATTAAAAATATATAAACTTTTTTATAATAAATAAAAAAATATTATTTACAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 157							
Candidatus Carsonella ruddii strain BT chromosome...	(12013)	12013	12023	12034	12045	12056	12067	12078	12089
	(12013)	TAAATAATAAATATTCTAATTTTATAAAAAAAAAAATTTATATTTTTTATAAAAAAAAAATTTATATATATAGATAAA							
	(1)	-----							
	(1)	-----							
		Section 158							
Candidatus Carsonella ruddii strain BT chromosome...	(12090)	12090	12100	12111	12122	12133	12144	12155	12166
	(12090)	AAAATTTTAAATTTTAATAAAAAATAATATAATTTTCAGATTTTGAAATTTTAAAAAAAAATATAATAAATATTTTAA							
	(1)	-----							
	(1)	-----							
		Section 159							
Candidatus Carsonella ruddii strain BT chromosome...	(12167)	12167	12177	12188	12199	12210	12221	12232	12243
	(12167)	TTATATAAAATATAAAAAATAAAAAAATTTTATAATTTCAACTTCAAATTTAAATCTTTATTATATAATACTTTTT							
	(1)	-----							
	(1)	-----							
		Section 160							
Candidatus Carsonella ruddii strain BT chromosome...	(12244)	12244	12254	12265	12276	12287	12298	12309	12320
	(12244)	GTTGTTTAAATTTTAAATTTTATAATAAAAAATAAAATCTCCTTTTAAATTTAAACTTATATTTATTATTTTAAAA							
	(1)	-----							
	(1)	-----							
		Section 161							
Candidatus Carsonella ruddii strain BT chromosome...	(12321)	12321	12331	12342	12353	12364	12375	12386	12397
	(12321)	AAAAAATTAATAATTTTCAAAAAATAAAAAATTATCACCAAATATAAATAATTATGATTATTTAATTTGTGATAA							
	(1)	-----							
	(1)	-----							
		Section 162							
Candidatus Carsonella ruddii strain BT chromosome...	(12398)	12398	12408	12419	12430	12441	12452	12463	12474
	(12398)	AATAAAAGAAAATATATTTTTAAAAAATAAAAAAATATTTTTTGTATAAAATTAATAATTTTCATAAAAAAATTA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 163							
Candidatus Carsonella ruddii strain BT chromosome...	(12475)	12475	12485	12496	12507	12518	12529	12540	12551
	(12475)	AAAAAGTATTTTTTTTATAATAAAATTAATATTAATAATATTTTTTTTTTTTAAAAAAAACAATTATATTATTTGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 164							
Candidatus Carsonella ruddii strain BT chromosome...	(12552)	12552	12562	12573	12584	12595	12606	12617	12628
	(12552)	ATTAAAAATATAAATCTTTTAAAAATTTACATAAATTTAAAAATTTAGAAATTAAAAATCTATATTTGATCAATG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 165							
Candidatus Carsonella ruddii strain BT chromosome...	(12629)	12629	12639	12650	12661	12672	12683	12694	12705
	(12629)	GTTTTTAAAAATTAAAAAATAATATATTTTAAAAAATAATTAATTCAATTAAATATTAAACCAGATAAATATAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 166							
Candidatus Carsonella ruddii strain BT chromosome...	(12706)	12706	12716	12727	12738	12749	12760	12771	12782
	(12706)	AAATATTTTTAATTTGGATAAAAAATATGTCAAATTGGTGTATTTCAAGAAAAATTAAATGGGGAACAAAAATACCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 167							
Candidatus Carsonella ruddii strain BT chromosome...	(12783)	12783	12793	12804	12815	12826	12837	12848	12859
	(12783)	ATTTTTTATGATAAAGAAAAAATTTATTTTTTAAAAAAAAAATTTAGATTTTTTAAATATTACAAATTATTTGAAGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 168							
Candidatus Carsonella ruddii strain BT chromosome...	(12860)	12860	12870	12881	12892	12903	12914	12925	12936
	(12860)	TTTTGATACTTGGTTTAATTCATCTTTTTGGATATTATTTTTATATTATAAATATAAAAAATTCCAAGATATTATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 169							
Candidatus Carsonella ruddii strain BT chromosome...	(12937)	12937	12947	12958	12969	12980	12991	13002	13013
	(12937)	TATCTGGTTTTGATATTATTTTTTTATTGGATAATAAAAAATGATTATTAATAATATTTTTTTTAAAAAAAATATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 170							
Candidatus Carsonella ruddii strain BT chromosome...	(13014)	13014	13024	13035	13046	13057	13068	13079	13090
	(13014)	ATTAAAAAATAATAATTCATGGAATATTAAGAGATAATAATAAAAAAATATCAAAAACAATAATAATGTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 171							
Candidatus Carsonella ruddii strain BT chromosome...	(13091)	13091	13101	13112	13123	13134	13145	13156	13167
	(13091)	AAATTTTATACATATTAAAAAAACATAAATAAAATAAAATTATGTTATTAAATAATATTTTTGATGATAATGATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 172							
Candidatus Carsonella ruddii strain BT chromosome...	(13168)	13168	13178	13189	13200	13211	13222	13233	13244
	(13168)	TAAAAAATATTAATTTTTTTTTTAAAAAAAATATTTATTAAAAAATACAAATAAAATTAATATAATTTTTCAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 173							
Candidatus Carsonella ruddii strain BT chromosome...	(13245)	13245	13255	13266	13277	13288	13299	13310	13321
	(13245)	TTTTTATTTTATAAAATTAAAAACAATATATATTGAAATTTAATAATAATAATTATATAAATAATGTAAATTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 174							
Candidatus Carsonella ruddii strain BT chromosome...	(13322)	13322	13332	13343	13354	13365	13376	13387	13398
	(13322)	TTTAAAAAAAATAACCTATCAAAAAAATTTATATATTATTAATTAAATTTTTTATCCTAAAAAATGTTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 175							
Candidatus Carsonella ruddii strain BT chromosome...	(13399)	13399	13409	13420	13431	13442	13453	13464	13475
	(13399)	ATGTTAAAAATTGGAATTTTTCAATTAATAATTATGTTTATAAAATTAAATTTAATTATTTTTTTATTAATAAAAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 176							
Candidatus Carsonella ruddii strain BT chromosome...	(13476)	13476	13486	13497	13508	13519	13530	13541	13552
	(13476)	AAAAAAAAAAGCTTTCTTAATTAAAAAAATTTTTTTTTTAAATTTATTTTGAAATATTATATAATATAAAAAATAATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 177							
Candidatus Carsonella ruddii strain BT chromosome...	(13553)	13553	13563	13574	13585	13596	13607	13618	13629
	(13553)	TTATGTTAAATACAAGAATAAAACCTTTTAAATCAATAGCTTATTTTGAAAAAAATTTTTTGAAATAAATGAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 178							
Candidatus Carsonella ruddii strain BT chromosome...	(13630)	13630	13640	13651	13662	13673	13684	13695	13706
	(13630)	TATTTAAAAAATAAATGGAATGTTTTGTTTTTTTTTCCTTATTCATACTCGTTTATTTGTCTACAGAATTAAAAGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 179							
Candidatus Carsonella ruddii strain BT chromosome...	(13707)	13707	13717	13728	13739	13750	13761	13772	13783
	(13707)	TATTTCAAATAATATTTATAATTTTAATAAAAAATAATATAAATATTTATGCAATATCAACTGATAGTCATTTTTTCAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 180							
Candidatus Carsonella ruddii strain BT chromosome...	(13784)	13784	13794	13805	13816	13827	13838	13849	13860
	(13784)	AAAAAATTGGATTGAACAAAAATTAACTTCATAAATTTTCCATTTATATCAGATTTTAATCATCAAATTTCTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 181							
Candidatus Carsonella ruddii strain BT chromosome...	(13861)	13861	13871	13882	13893	13904	13915	13926	13937
	(13861)	AATTTAAATATTTTAAATAAAAAAGATGGAAACTGTTTATAGATCAACAATAATTTTAGATCCAAATTTAATTATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 182							
Candidatus Carsonella ruddii strain BT chromosome...	(13938)	13938	13948	13959	13970	13981	13992	14003	14014
	(13938)	ATCAATAGATATTATTGATTCAAATATTTCTAGATGTATAAAAAATATATTGGAAAGATTAAATATGTTAATTTATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 183							
Candidatus Carsonella ruddii strain BT chromosome...	(14015)	14015	14025	14036	14047	14058	14069	14080	14091
	(14015)	CTAATTTAAAAACAATGAATTATGTCCTTATAGTTGGAATAACGACAAAATTAGTATTAAAATTGATATTTAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 184							
Candidatus Carsonella ruddii strain BT chromosome...	(14092)	14092	14102	14113	14124	14135	14146	14157	14168
	(14092)	TTATTAATTATTAAAGATAATAAATTTATTAAATTATTATGATCTTTTCAAATTGTTTAATTCCATTAAATAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 185							
Candidatus Carsonella ruddii strain BT chromosome...	(14169)	14169	14179	14190	14201	14212	14223	14234	14245
	(14169)	TATATGAGAAATATTGTTTAATATACTAAAAATAAAAATTTTAAAAAATATTTTTTTTTTATAAATATTATAATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 186							
Candidatus Carsonella ruddii strain BT chromosome...	(14246)	14246	14256	14267	14278	14289	14300	14311	14322
	(14246)	TATTTTTTTTTTAAAGTTCATCAAAAAAGATGGAGAAATTGTTAAATAATCACAAAAAATAAATTTAAATTTGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 187							
Candidatus Carsonella ruddii strain BT chromosome...	(14323)	14323	14333	14344	14355	14366	14377	14388	14399
	(14323)	TTTATATTTCTAAAACTTGCTGCCATTATTTTGTTTTAAAAATGAAAAGATTGTTTATAATCATAAATATTTTAAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 188							
Candidatus Carsonella ruddii strain BT chromosome...	(14400)	14400	14410	14421	14432	14443	14454	14465	14476
	(14400)	AAAATTAACTCCAGAATCTAATTTACAAAAATTTTATCACTTATTCTTCCTACAAATGGAGATATTAAATATATGC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 189							
Candidatus Carsonella ruddii strain BT chromosome...	(14477)	14477	14487	14498	14509	14520	14531	14542	14553
	(14477)	CATTATCGAAACATTTTTTAACTTGATTTCATATCAAAAAATTAATGTTAAATTACATTCTATACCAAATTTTTTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 190							
Candidatus Carsonella ruddii strain BT chromosome...	(14554)	14554	14564	14575	14586	14597	14608	14619	14630
	(14554)	TTACTAGCAGCAATAATACCTGAATCTGTTGCAGGAATTTTAATTAATATTTTTTTATTATTTAAACCAAATAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 191							
Candidatus Carsonella ruddii strain BT chromosome...	(14631)	14631	14641	14652	14663	14674	14685	14696	14707
	(14631)	ACATAAATAAATCAATTTTTTAGAATAAATTATAATTTTTTTATAATTATAAGATATTCTTGCTGGAATTTCTAAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 192							
Candidatus Carsonella ruddii strain BT chromosome...	(14708)	14708	14718	14729	14740	14751	14762	14773	14784
	(14708)	AAATTTTATCTTTAATAAAAAGGAATTAAATTCCTGCAATAAAAATTAATAAATTATCATAAAACTAATTTCTTCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 193							
Candidatus Carsonella ruddii strain BT chromosome...	(14785)	14785	14795	14806	14817	14828	14839	14850	14861
	(14785)	TCTGAATCTAATTTTATATTTTATTAAATTTTAAAAAAATTTATTAAATTTTATCATAAGATTTATTTATAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 194							
Candidatus Carsonella ruddii strain BT chromosome...	(14862)	14862	14872	14883	14894	14905	14916	14927	14938
	(14862)	TGAAGATAAAATTAACTTGGATTACTTGTTAAAGAATCAAAATTATACATTTTAAACAAAATTAATGTTTGCGCTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 195							
Candidatus Carsonella ruddii strain BT chromosome...	(14939)	14939	14949	14960	14971	14982	14993	15004	15015
	(14939)	CTATTGATATTTTGTATTTTTTTTTTAAAAAATTAAATAAATTCATTTATATTTTAATAATAATTGATATTAATTTG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 196							
Candidatus Carsonella ruddii strain BT chromosome...	(15016)	15016	15026	15037	15048	15059	15070	15081	15092
	(15016)	ATAATTTTAAAAATTTTTTATAATTATAATAATTTTATTTATTAAATAAATAATAAACTTCCGATAACAAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 197							
Candidatus Carsonella ruddii strain BT chromosome...	(15093)	15093	15103	15114	15125	15136	15147	15158	15169
	(15093)	TTTTACTTTTTTAACATATATTAATAATTTAATATTAGACAAACCAATCCAAATATAAAATTATTTTTAATTTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 198							
Candidatus Carsonella ruddii strain BT chromosome...	(15170)	15170	15180	15191	15202	15213	15224	15235	15246
	(15170)	TTAAATATTTATTTAAATATTTAATATTAATTTTTTATCTCCAGTAATTCCTTTTATATATGAAAAATAATTGTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 199							
Candidatus Carsonella ruddii strain BT chromosome...	(15247)	15247	15257	15268	15279	15290	15301	15312	15323
	(15247)	TTTATAAAAAAATTATTTAAAAAATATTTTTATTATTGAAATATTGCTAGTTATAAAATTAATAAAATTTATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 200							
Candidatus Carsonella ruddii strain BT chromosome...	(15324)	15324	15334	15345	15356	15367	15378	15389	15400
	(15324)	TTTATTTTTAATTAAAAAATAAATTATAATTACATTCTAAATTATAATCTATTAATAAAATTGAATCAATTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 201							
Candidatus Carsonella ruddii strain BT chromosome...	(15401)	15401	15411	15422	15433	15444	15455	15466	15477
	(15401)	CTATATTTAATAAATAAGAAAAATTGAATTCTCCATATTTTAAATAGAATTATAATAACTCATTAATATTAATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 202							
Candidatus Carsonella ruddii strain BT chromosome...	(15478)	15478	15488	15499	15510	15521	15532	15543	15554
	(15478)	CTTGCATTATTTAATAATTTAAAATTAAAAATATTATTTAAATATTTTCAATATTATAATTTTTATTATATATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 203							
Candidatus Carsonella ruddii strain BT chromosome...	(15555)	15555	15565	15576	15587	15598	15609	15620	15631
	(15555)	ATTACTATCATAAATAATATTTCCATCTGCAATTGAATCAACATTGGGTAAACCTACTTCAATAGAACTATTCCAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 204							
Candidatus Carsonella ruddii strain BT chromosome...	(15632)	15632	15642	15653	15664	15675	15686	15697	15708
	(15632)	ATTTAAAAATTTTTTAAATAAAATTAAAAAATAATTTATTAGGATAATTTAAAGGTAAAAATAAAATTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 205							
Candidatus Carsonella ruddii strain BT chromosome...	(15709)	15709	15719	15730	15741	15752	15763	15774	15785
	(15709)	TTCATAAATCTTTATCTCCTCTTCCACTCATATTAAATTAAAAATTAAATCTTTATAATTTAAAAATTTAGAAAGTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 206							
Candidatus Carsonella ruddii strain BT chromosome...	(15786)	15786	15796	15807	15818	15829	15840	15851	15862
	(15786)	AAAGATAAAAAATAATGAATGAGAAGTTTCTAAAGCAGGAATTATTCCTTCTATTTTTGAAAAAAATTTAAATATATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 207							
Candidatus Carsonella ruddii strain BT chromosome...	(15863)	15863	15873	15884	15895	15906	15917	15928	15939
	(15863)	TAAAACTTCATTATTAAAAATAGGAATAAAAAATATTTTATTTTATAGAAAATAAAAAAGAAATTTCTGGACCAATTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 208							
Candidatus Carsonella ruddii strain BT chromosome...	(15940)	15940	15950	15961	15972	15983	15994	16005	16016
	(15940)	CTGGATAATCTAAACCAGCAGAAATAGAATTGGTTTTTTTTTATATTTCCATATTTATCTTGTAATAATATAACTATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 209							
Candidatus Carsonella ruddii strain BT chromosome...	(16017)	16017	16027	16038	16049	16060	16071	16082	16093
	(16017)	TTACCATGTAATATACCAATGTTTCCAAAAAATACTAGAAAGCTGTTTTTTTTTGTGAAATTCCTCCAGATTCTAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 210							
Candidatus Carsonella ruddii strain BT chromosome...	(16094)	16094	16104	16115	16126	16137	16148	16159	16170
	(16094)	AGCTAATAATTTAAATTTTGTATTTATAAAAGGAAAAAAAAATCCTAAACAATTAGAACCACCACCAACACATGCAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

									Section 211
Candidatus Carsonella ruddii strain BT chromosome...	(16171)	16171	16181	16192	16203	16214	16225	16236	16247
Candidatus Carsonella 135557 - 167442nt	(16171)	TTAAAAATTTTTTTTTTATAAAATTTAAATTAATTTGTTGAAAAATTTTCATATCCTATAATAGATTGAAAATCTCTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
									Section 212
Candidatus Carsonella ruddii strain BT chromosome...	(16248)	16248	16258	16269	16280	16291	16302	16313	16324
Candidatus Carsonella 135557 - 167442nt	(16248)	ACAATTAAAGGATATGGGTGTGGACCCGAAGCTGTTCCAATTAAATAATATGAACTATTTATATTGTTGCACCAATC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
									Section 213
Candidatus Carsonella ruddii strain BT chromosome...	(16325)	16325	16335	16346	16357	16368	16379	16390	16401
Candidatus Carsonella 135557 - 167442nt	(16325)	TTTTATTGCTTCATTCATTGCTTCTTTTAAATTTCCATTTGAAATAAGAAAAATTTTACCTCCTAAAAGTTTAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
									Section 214
Candidatus Carsonella ruddii strain BT chromosome...	(16402)	16402	16412	16423	16434	16445	16456	16467	16478
Candidatus Carsonella 135557 - 167442nt	(16402)	TTTTAACATTTTATATTTTGTCTTTTATAATCATTTTCTCCCATATATATTATTGATTCTAAATTAAACAAAGAACAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
									Section 215
Candidatus Carsonella ruddii strain BT chromosome...	(16479)	16479	16489	16500	16511	16522	16533	16544	16555
Candidatus Carsonella 135557 - 167442nt	(16479)	GAAGTAGAAGTTGCAACACCGTGCATTCCAGCACCAAGTTTCACATATAATTCTTTTTTTTTTTAAGAAATTTAGCTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
									Section 216
Candidatus Carsonella ruddii strain BT chromosome...	(16556)	16556	16566	16577	16588	16599	16610	16621	16632
Candidatus Carsonella 135557 - 167442nt	(16556)	TAAATTTGTCTCTATTGAATTATTTATTTTATGAGCTCCAGTAAATTTAAATCTTCTCTTTTAAATAAAATTTTGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 217							
		(16633)	16633	16643	16654	16665	16676	16687	16698 16709
Candidatus Carsonella ruddii strain BT chromosome...	(16633)	ATCCTTTTAATATATTAGAAATATTTTTACAATAATAAATAGGTGTTGGTCTTCCAATAAATAAATTAAAAAATTTT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 218							
		(16710)	16710	16720	16731	16742	16753	16764	16775 16786
Candidatus Carsonella ruddii strain BT chromosome...	(16710)	AAAATTTCTATTTTAAATTTTTTTTTTTTTTTTATTATTTTAAATAAATTTTAAATAAAGAATTTAATAATGGTTGTAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 219							
		(16787)	16787	16797	16808	16819	16830	16841	16852 16863
Candidatus Carsonella ruddii strain BT chromosome...	(16787)	CAATTCTGGTAAATATTTACCTCCAAAAATATTAAACATTCTAAATTATTTGGATAAATCATAATAAATTATCTAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 220							
		(16864)	16864	16874	16885	16896	16907	16918	16929 16940
Candidatus Carsonella ruddii strain BT chromosome...	(16864)	TTACAACCTTATTCTCACATAAAATGCTACCATAAGTATTAAATAGTTTCACTTTTGAGTTCGGAAAGAGATCATGTG							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 221							
		(16941)	16941	16951	16962	16973	16984	16995	17006 17017
Candidatus Carsonella ruddii strain BT chromosome...	(16941)	TTTCCTATTTATTAAATAATTAGATTATAATTATTAAAAATTTATAGATTAAAACTCACGATAAATTAGTATACATT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 222							
		(17018)	17018	17028	17039	17050	17061	17072	17083 17094
Candidatus Carsonella ruddii strain BT chromosome...	(17018)	AGCTAAAATATTACTATTTTTACACATTGTATCTATTAACTTATTATATTTAAGTTATCTTAAGAAGAGCAACAAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 223							
Candidatus Carsonella ruddii strain BT chromosome...	(17095)	17095	17105	17116	17127	17138	17149	17160	17171
	(17095)	CTCTTTGGAGATTTTTTTTAAGATATGTTTCCTACTTATATGCTTTCAGTAGTTATCATTTAAACTTAGCTAACCG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 224							
Candidatus Carsonella ruddii strain BT chromosome...	(17172)	17172	17182	17193	17204	17215	17226	17237	17248
	(17172)	ACTATGCTATTGGTATAACAATCGGAACACCATTGGTTTTACCATCTTGGTCCTCTCGTACTAAAGATAGATTCTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 225							
Candidatus Carsonella ruddii strain BT chromosome...	(17249)	17249	17259	17270	17281	17292	17303	17314	17325
	(17249)	CAAAATCTCTACATTTACGGTAGATAGGGACCGAACTGTCTCACGACGTTCTAAACCCAGCTCGCGTACCACTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 226							
Candidatus Carsonella ruddii strain BT chromosome...	(17326)	17326	17336	17347	17358	17369	17380	17391	17402
	(17326)	ATGGCGAACAGCCATACCCTTGGGACCAACTCCAGCCCCAGGATGTGATGAGCCGACATCGAGGTGCCAAACACTGC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 227							
Candidatus Carsonella ruddii strain BT chromosome...	(17403)	17403	17413	17424	17435	17446	17457	17468	17479
	(17403)	CGTCGATATGGACTCTTGGGCAGTATTAGCCTGTTATCCCCGGAGTACCTTTTATTCGTTGAGCGATAACCTTTCCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 228							
Candidatus Carsonella ruddii strain BT chromosome...	(17480)	17480	17490	17501	17512	17523	17534	17545	17556
	(17480)	TACAGAATTATCGGATCACTAGAACCTACTTTCGTATCTGTTTGATATGTCTATCTTACAGTTAAGCACTCATATGC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

								Section 229	
	(17557)	17557	17567	17578	17589	17600	17611	17622	17633
Candidatus Carsonella ruddii strain BT chromosome...	(17557)	TCTTATGCTCAACATACGTTTTCCAAACGTATTGAGAGTACCTTTGTACTCCTCCGTTACTTTTTAGGAGGAGACCG							
Candidatus Carsonella 135557 - 167442nt	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
								Section 230	
	(17634)	17634	17644	17655	17666	17677	17688	17699	17710
Candidatus Carsonella ruddii strain BT chromosome...	(17634)	CCCCAGTCAAACCTACCCACCACACATTTTTTATATAATGGATTACAAAAAATATATATTAGAATATCAAAAATTTTA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
								Section 231	
	(17711)	17711	17721	17732	17743	17754	17765	17776	17787
Candidatus Carsonella ruddii strain BT chromosome...	(17711)	GACTGGTATTTCAAGGTCGACTACTTATAAACTTGGATTTATAGATTAAACATCTCCCAGTTATCCTACACAAAAATT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
								Section 232	
	(17788)	17788	17798	17809	17820	17831	17842	17853	17864
Candidatus Carsonella ruddii strain BT chromosome...	(17788)	TCCAATATTCAATGTGAAGTTATAGTAAAGGTTACACGGGGTCTTTCCGTCTAGCCGTAAATACACTGCATCTTCACA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
								Section 233	
	(17865)	17865	17875	17886	17897	17908	17919	17930	17941
Candidatus Carsonella ruddii strain BT chromosome...	(17865)	GCAAATTCAATTTCACTGAGTTCTAAATGGAGACAGCGTGACCATCATTACGCCATTTCGTGCAGGTCGGAACCTTACC							
Candidatus Carsonella 135557 - 167442nt	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
								Section 234	
	(17942)	17942	17952	17963	17974	17985	17996	18007	18018
Candidatus Carsonella ruddii strain BT chromosome...	(17942)	CGACAAGGAATTTTCGCTACCTTTGGACCGTTATAGTTACGGCCGCCGTTTACTGGGGCTTTTATTAAATGCTTCATT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----	-----	-----	-----	-----	-----	-----	-----
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----

SARS-CoV-2 & Bakterien.apr

		Section 235							
Candidatus Carsonella ruddii strain BT chromosome...	(18019)	18019	18029	18040	18051	18062	18073	18084	18095
	(18019)	TTTATATTAACATTCTCAATTAACCTACCAGCACCGGGCAGGCGTCACACCCCTATACATCCGTTTGACGTTAGCAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 236							
Candidatus Carsonella ruddii strain BT chromosome...	(18096)	18096	18106	18117	18128	18139	18150	18161	18172
	(18096)	AGTGCTGTGTTTTTAATAAACAGTTGCAGTCACCTTACCTCTTAGACTAGTTCTTTATAAAAAAATTTACAAATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 237							
Candidatus Carsonella ruddii strain BT chromosome...	(18173)	18173	18183	18194	18205	18216	18227	18238	18249
	(18173)	CTAGTGTATCTTCTCCAAAAGTTACGATACTATTTTGCCTAGTTCCTTCATTTAGATTATCTCATACGCCTTAGTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 238							
Candidatus Carsonella ruddii strain BT chromosome...	(18250)	18250	18260	18271	18282	18293	18304	18315	18326
	(18250)	ACTCTACTTAATTACCTGTGTCGGTTTACGGTACGTACATTAATATGTATTATATTAGAAATTTTCTTGTTAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 239							
Candidatus Carsonella ruddii strain BT chromosome...	(18327)	18327	18337	18348	18359	18370	18381	18392	18403
	(18327)	AATTTTATTGATTTTTTTTTTATTAATTAATAAAATTAAGTACTAGATTTACTTGGTTAATTATTCCTTTAATTTTAAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 240							
Candidatus Carsonella ruddii strain BT chromosome...	(18404)	18404	18414	18425	18436	18447	18458	18469	18480
	(18404)	CTAATATTCCTTTTTTAGGATCAAAAAACAAATTAAGACATTCCATAATTAATATTAATGGTAAAGAAATATTAATC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 241							
Candidatus Carsonella ruddii strain BT chromosome...	(18481)	18481	18491	18502	18513	18524	18535	18546	18557
	(18481)	TTTTTTCCATCGACTACGTTTTTCAACCTCATCTTAGGTTACGACTAACTCTATTTTCGATCATCGTTGAATAGAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 242							
Candidatus Carsonella ruddii strain BT chromosome...	(18558)	18558	18568	18579	18590	18601	18612	18623	18634
	(18558)	CCTTAATTTTTTCGGCGGAAATGATTTTCACATTTTCATTTTGTTACTTATGTCAGCATTCGCACTTGTGATGTTTCCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 243							
Candidatus Carsonella ruddii strain BT chromosome...	(18635)	18635	18645	18656	18667	18678	18689	18700	18711
	(18635)	ATTTATTTTAAATAAATCTTCTTTAACTTACACAACGCTCCTCTACCACAATAATAATGTCCATAATTTCTGGTACT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 244							
Candidatus Carsonella ruddii strain BT chromosome...	(18712)	18712	18722	18733	18744	18755	18766	18777	18788
	(18712)	TATTTTAGCCCCGTTAAATTTTACGAATAAATCATCTATATCAATGAGCTATTACGCTTTCTTTAAAGGATGGCTGC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 245							
Candidatus Carsonella ruddii strain BT chromosome...	(18789)	18789	18799	18810	18821	18832	18843	18854	18865
	(18789)	TTCTAAGCCCACCTTTTGATTGTCAAAGATTATTAAATTCATTTTCCACTTAAATAAGATTTAGGGACCTTAATTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 246							
Candidatus Carsonella ruddii strain BT chromosome...	(18866)	18866	18876	18887	18898	18909	18920	18931	18942
	(18866)	TGGTCTGGGTTGTTTCCCTTTTCACTATGGATGTTATCACCCATAGTGTGTCTCCTATAATAAAAAAATTAATATTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 247							
Candidatus Carsonella ruddii strain BT chromosome...	(18943)	18943	18953	18964	18975	18986	18997	19008	19019
	(18943)	ATAGTTTGTTATGATTCAGAATAATCTTATTCAAAACAGTGCTTTACCATTAATTTTTACTTATAAGGCGCTACCTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 248							
Candidatus Carsonella ruddii strain BT chromosome...	(19020)	19020	19030	19041	19052	19063	19074	19085	19096
	(19020)	AATAGCTTTTCGAGGAGAACCAGCTATCTCCGAGCTTGATTAGCCTTTCACCCCTATCCACAAATCATCTGAATCTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 249							
Candidatus Carsonella ruddii strain BT chromosome...	(19097)	19097	19107	19118	19129	19140	19151	19162	19173
	(19097)	TGCAACAGATACCAGTTCGGTCCTTCAGTAATTTTTACTTTACCTTCAACCTGTTTATAGATAGATCGCTCGGTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 250							
Candidatus Carsonella ruddii strain BT chromosome...	(19174)	19174	19184	19195	19206	19217	19228	19239	19250
	(19174)	GGGTCTATTTTTTATAACTTTTCGCCCTTTCAGACTAGATTTCTCTGCGCCTACTTTAAATTAAGCTTGCTAAAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 251							
Candidatus Carsonella ruddii strain BT chromosome...	(19251)	19251	19261	19272	19283	19294	19305	19316	19327
	(19251)	ATAAGTCGCTGACCCATTATACAAAAGGTATATAGTTACTTTTCAGTTTCTATTGCTTTTACGTATATAATTTTCAGG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 252							
Candidatus Carsonella ruddii strain BT chromosome...	(19328)	19328	19338	19349	19360	19371	19382	19393	19404
	(19328)	TTCTATTTCACTCCTATTTAAAGGTTCTATTTTCATCTTTCCCTCACGGTACTAGTTCACTATCGGTTAATTATTAGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 253							
Candidatus Carsonella ruddii strain BT chromosome...	(19405)	19405	19415	19426	19437	19448	19459	19470	19481
	(19405)	ATTTAGCCTTAGAGGATGGTCCCCCTTTATTCTGTTAAGATTTCACGTGTCTAAACATACTCATAAATAAAAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 254							
Candidatus Carsonella ruddii strain BT chromosome...	(19482)	19482	19492	19503	19514	19525	19536	19547	19558
	(19482)	AAAAATTATTTAAATAAAAGACTATTACTTTTTATGTTAATTATTCAAAATTATTTAAAGTTTTATTTTTTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 255							
Candidatus Carsonella ruddii strain BT chromosome...	(19559)	19559	19569	19580	19591	19602	19613	19624	19635
	(19559)	GGGCTTTTCTCATTTTCGCTCGCCACTACTATGAGAATCTCATTTGATTTCTTTTCCTTGGATTACTTAGATGTTTCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 256							
Candidatus Carsonella ruddii strain BT chromosome...	(19636)	19636	19646	19657	19668	19679	19690	19701	19712
	(19636)	GTTTCATCCAGTTTGCGTATTATATACACTAATTTTAATTAGTAGGTTTCCCTATTAAGATACCTTAAAAGATTATCG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 257							
Candidatus Carsonella ruddii strain BT chromosome...	(19713)	19713	19723	19734	19745	19756	19767	19778	19789
	(19713)	CATTTTAGCGTCTGTCATCGCCTATAATTACCTAGACATCCTTTATATACGTTTATTTATTTAATCTATAAATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 258							
Candidatus Carsonella ruddii strain BT chromosome...	(19790)	19790	19800	19811	19822	19833	19844	19855	19866
	(19790)	TTTTATCATTAATAAAATTTAAAAATATATTTATATATCCAGCCACAGGTTCCCTACAGCTACCTTGTTACGACTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 259							
Candidatus Carsonella ruddii strain BT chromosome...	(19867)	19867	19877	19888	19899	19910	19921	19932	19943
	(19867)	CACCCCAGTTACAAATCATACCGTTATAATAATGAAATTATTTATGATACAATTTACTTCCATGGTGTGACGGGCGG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 260							
Candidatus Carsonella ruddii strain BT chromosome...	(19944)	19944	19954	19965	19976	19987	19998	20009	20020
	(19944)	TGTGTACAAGGCTCGAGAACGTATTCACCGTAACATTCTGATTTACGATTACTAGCGATTCCAACCTTCATAAAATCG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 261							
Candidatus Carsonella ruddii strain BT chromosome...	(20021)	20021	20031	20042	20053	20064	20075	20086	20097
	(20021)	AGTTACAGATTTTAAATCCGAACCTAAGAGTATGTTTTAAGATTAGCATTATGTTACCATATAGCACAACTTTTTGTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 262							
Candidatus Carsonella ruddii strain BT chromosome...	(20098)	20098	20108	20119	20130	20141	20152	20163	20174
	(20098)	TACTCATTGTAGCACGTGTGTAGCCCTACTCATAAGGGCCATGATGACTTGACGTCGTCCTCACCTTCCTCCAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 263							
Candidatus Carsonella ruddii strain BT chromosome...	(20175)	20175	20185	20196	20207	20218	20229	20240	20251
	(20175)	ATCATAGGCAGTCTCTTATTAGTTCTAAGATTATTTTAGTAATATAAGATAAGGGTTGCGCTCGTTATAGGACTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 264							
Candidatus Carsonella ruddii strain BT chromosome...	(20252)	20252	20262	20273	20284	20295	20306	20317	20328
	(20252)	CCCAACATTTACAAACACGAGCTGACGACAGCCATGCAGCACCTGTCTCAAAGCTTAAAAGCTTTACTATTTCTAGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 265							
Candidatus Carsonella ruddii strain BT chromosome...	(20329)	20329	20339	20350	20361	20372	20383	20394	20405
	(20329)	AAATTCTTTGGATGTCAAGAGTAGGTAAGATTTTTCGTGTTGTATCGAATTAAACCACATGCTCCACCGCTTGTGCG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 266							
Candidatus Carsonella ruddii strain BT chromosome...	(20406)	20406	20416	20427	20438	20449	20460	20471	20482
	(20406)	AGCCCCCGTCAATTCATTTGAGTTTTAACCTTGCGGTCGTAATCCCCAGGCGGTCAACTTAACGCGTTAGCTTTTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 267							
Candidatus Carsonella ruddii strain BT chromosome...	(20483)	20483	20493	20504	20515	20526	20537	20548	20559
	(20483)	ACTAAAAATACATTTTTGAATTAAAAATATTTTTCAAAATATGTTATTTAATAAATAGTTGACATCGTTTACTGCGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 268							
Candidatus Carsonella ruddii strain BT chromosome...	(20560)	20560	20570	20581	20592	20603	20614	20625	20636
	(20560)	GGACTACCAGGGTATCTAATCCTGTTTGCTCCCCACGCTTTCGTGTATCAGTGTCAGTATTAAATAGAAAAACGCC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 269							
Candidatus Carsonella ruddii strain BT chromosome...	(20637)	20637	20647	20658	20669	20680	20691	20702	20713
	(20637)	TTCGCCACTAGTATTCTTTTCAGATATCTGAGCATTTCAGTCTACTCCCGAAATTCTAATTTCTTCTTTTATACTCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 270							
Candidatus Carsonella ruddii strain BT chromosome...	(20714)	20714	20724	20735	20746	20757	20768	20779	20790
	(20714)	AGTTTATTAGTATTAATTGCTTTATTAAATTACTTTAATAATTTTAACAAAATTAACCTTTTATAACAACCTACACA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 271							
Candidatus Carsonella ruddii strain BT chromosome...	(20791)	20791	20801	20812	20823	20834	20845
Candidatus Carsonella 135557 - 167442nt	(20791)	CCCTTTACGCCCAATAATTTTCGATTAAACGCTTGCACCCCTCGTATTACCGCGGCTGCTGGCACGAAGTTAGCCGGTG					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 272							
Candidatus Carsonella ruddii strain BT chromosome...	(20868)	20868	20878	20889	20900	20911	20922
Candidatus Carsonella 135557 - 167442nt	(20868)	CTTCTTTTACAAATATCGTCAAAAAAAAAAATTTTTTAAATTTTTTATTCTTCTTTCATTGTTGAAAGTGTTTTACA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 273							
Candidatus Carsonella ruddii strain BT chromosome...	(20945)	20945	20955	20966	20977	20988	20999
Candidatus Carsonella 135557 - 167442nt	(20945)	ACCCTAAGGCCTTCTTCACACACGCGACATAGCTGGATCAAGCTTTCGCTCATTGTCCAATATTCCTCCACTGCTGCC					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 274							
Candidatus Carsonella ruddii strain BT chromosome...	(21022)	21022	21032	21043	21054	21065	21076
Candidatus Carsonella 135557 - 167442nt	(21022)	TTCTTTAGAAGTTTGGGCCGTGTCTCAGTCCCAATGTGGTTGTTTCATCCTCTAAGATCAACTACGGATCATAGTCTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 275							
Candidatus Carsonella ruddii strain BT chromosome...	(21099)	21099	21109	21120	21131	21142	21153
Candidatus Carsonella 135557 - 167442nt	(21099)	GTTAAACCTTTACTTTTAAACAATACTAATCCGATACAAGCTCTTCTTTTAGCATATGACTATCTCATACTTTATCC					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 276							
Candidatus Carsonella ruddii strain BT chromosome...	(21176)	21176	21186	21197	21208	21219	21230
Candidatus Carsonella 135557 - 167442nt	(21176)	ATTAGGATTTATATCGAATTACTATACATTTCTATATACTTTTCGTTACTAAAAGGCAGATTCTTGCAATATTACTCA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					

SARS-CoV-2 & Bakterien.apr

Section 277									
Candidatus Carsonella ruddii strain BT chromosome...	(21253)	21253	21263	21274	21285	21296	21307	21318	21329
Candidatus Carsonella 135557 - 167442nt	(21253)	CCCGTTTCGCTGCTAATATTTAAATTTCGCACAACTTGCATGTGTTAAGCTTGTCGCCAGCGTTTAATCTGAGCTATGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 278									
Candidatus Carsonella ruddii strain BT chromosome...	(21330)	21330	21340	21351	21362	21373	21384	21395	21406
Candidatus Carsonella 135557 - 167442nt	(21330)	TCAAACCTCGTAAAACTTTTTTATTATTTAAAAAAATTATTTTAATAAAAAATTTATTTATTAAAAAATTCCTTATAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 279									
Candidatus Carsonella ruddii strain BT chromosome...	(21407)	21407	21417	21428	21439	21450	21461	21472	21483
Candidatus Carsonella 135557 - 167442nt	(21407)	GTTAACATTATAAGTTAAAAATTTTAAATAAAATTAAAAATATTATTGTTAATAATATTTTTATAATAATTATTGTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 280									
Candidatus Carsonella ruddii strain BT chromosome...	(21484)	21484	21494	21505	21516	21527	21538	21549	21560
Candidatus Carsonella 135557 - 167442nt	(21484)	AAATTTAATTTTAATATTAACTATCAATATTACTTAAATTAAAAATAAAATTTTTTTTTTGAAAAATAAAAAATTTAGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 281									
Candidatus Carsonella ruddii strain BT chromosome...	(21561)	21561	21571	21582	21593	21604	21615	21626	21637
Candidatus Carsonella 135557 - 167442nt	(21561)	ATATATTAATTCAGAAATATTAAAAATAAAATTTATTTTGTTTTAAATTAAAAACATTTTTTTTTTATTATAATATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 282									
Candidatus Carsonella ruddii strain BT chromosome...	(21638)	21638	21648	21659	21670	21681	21692	21703	21714
Candidatus Carsonella 135557 - 167442nt	(21638)	TTAAAAATATTAATTGAAAAATTTAATAAAGATTTCTTTTTTTTTTTTGTAATTTAAATTTTTTTAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 283						
Candidatus Carsonella ruddii strain BT chromosome...	(21715)	21715	21725	21736	21747	21758	21769	21780 21791
	(21715)	ATTTTTTTTAAAATTAGAAAAAATAAATAAATCATTTTTATTTGTCTTAGACATTTTTTTTTTATTAAAACTATATAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 284						
Candidatus Carsonella ruddii strain BT chromosome...	(21792)	21792	21802	21813	21824	21835	21846	21857 21868
	(21792)	AATATTGTTATTTATAATAAAATTAGAATTTTAAATTATTTTAAAAATTAATAAATAATTAATTTTGTTTTAAATTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 285						
Candidatus Carsonella ruddii strain BT chromosome...	(21869)	21869	21879	21890	21901	21912	21923	21934 21945
	(21869)	TTTTATATAATTCAATATGTTGCAATTGATCTATACCTACAAAAATATATTTGTTGTTATTACAAATAATATCTGAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 286						
Candidatus Carsonella ruddii strain BT chromosome...	(21946)	21946	21956	21967	21978	21989	22000	22011 22022
	(21946)	CACATTAAAATAGGATAACAAATTTTACCAAATGAAATTATTTTTTTTTTATATAATGAATGAAAAATTTTCATTTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 287						
Candidatus Carsonella ruddii strain BT chromosome...	(22023)	22023	22033	22044	22055	22066	22077	22088 22099
	(22023)	ATTTTTATTATAAATACATAATAATAACCAAAAAAATTTAAAAATTTTTCATTAAAAAGATTGATAAAAAATATAAAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 288						
Candidatus Carsonella ruddii strain BT chromosome...	(22100)	22100	22110	22121	22132	22143	22154	22165 22176
	(22100)	TTTTAAAAAAGATAAAAAAATAGAAATTAATATTATTTTATTTTAAATATATTTAAATAGATATGTTTTTTGAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 289							
Candidatus Carsonella ruddii strain BT chromosome...	(22177)	22177	22187	22198	22209	22220	22231	22242	22253
	(22177)	AAACTATGTAAATCTGCTATAAAAAATATTTCTATTTTAAAAAATAAGGTTTAATAATACTTAAATAATTTCC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 290							
Candidatus Carsonella ruddii strain BT chromosome...	(22254)	22254	22264	22275	22286	22297	22308	22319	22330
	(22254)	AAAGTGTAATAAACCACTTGAATTTATTCCTACAAAAATCATAATTTTCTTCTATAAATAAACTTTTTTTTTTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 291							
Candidatus Carsonella ruddii strain BT chromosome...	(22331)	22331	22341	22352	22363	22374	22385	22396	22407
	(22331)	AATTGGATCAAATTTAATAATTTTAATTTTTTATTATTTTTTTTATTTTTTTTTTAAATATAAAAAATAACAACCTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 292							
Candidatus Carsonella ruddii strain BT chromosome...	(22408)	22408	22418	22429	22440	22451	22462	22473	22484
	(22408)	AACTACTTTTCAATTTTATTAAATATACATTTTTTAATTATTTTTATTGATTTAGAAGAAATTTAATTTTGTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 293							
Candidatus Carsonella ruddii strain BT chromosome...	(22485)	22485	22495	22506	22517	22528	22539	22550	22561
	(22485)	ATTTATTTTTTACCCAAATAATTTGTTTGTTAAATTAATTTTAGAAAAACATTTATTTTAAATATTAGAATGAGAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 294							
Candidatus Carsonella ruddii strain BT chromosome...	(22562)	22562	22572	22583	22594	22605	22616	22627	22638
	(22562)	ACTTTACATTTTGTAATTTTTTTTTTTTTTTGTTAAATACAAATATTAGACATTTTTTTTTTTTTTAATTCTTATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 295									
Candidatus Carsonella ruddii strain BT chromosome...	(22639)	22639	22649	22660	22671	22682	22693	22704	22715
Candidatus Carsonella 135557 - 167442nt	(22639)	TTTCTATAGACATATTAAAAATATAACTTAATTCTTTATATGGAATTTTATATTCTTTAAAAATTTCTGTATAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 296									
Candidatus Carsonella ruddii strain BT chromosome...	(22716)	22716	22726	22737	22748	22759	22770	22781	22792
Candidatus Carsonella 135557 - 167442nt	(22716)	ACTTCTTTTTCAAATTTAAATACTTTTTTTTTTATTAAAAATAATTTTTTGTTTTATTAAAAATAATTTTTTATTTTATC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 297									
Candidatus Carsonella ruddii strain BT chromosome...	(22793)	22793	22803	22814	22825	22836	22847	22858	22869
Candidatus Carsonella 135557 - 167442nt	(22793)	AAAAAAAGTATTTATTTTATTCCATAAAATGGATTAAAAATAATTTAACGATTTTTTAAAAATTGTTATAATAATTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 298									
Candidatus Carsonella ruddii strain BT chromosome...	(22870)	22870	22880	22891	22902	22913	22924	22935	22946
Candidatus Carsonella 135557 - 167442nt	(22870)	AAATATCTATTTTTTTCATTTTTTAATATTTTTTAAATTTTTTCGTATATAATTTTGTTAAAAAAATTTTATTTTTTAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 299									
Candidatus Carsonella ruddii strain BT chromosome...	(22947)	22947	22957	22968	22979	22990	23001	23012	23023
Candidatus Carsonella 135557 - 167442nt	(22947)	AAATAAAAAATTTAAATTTAATAAATATTCATTATATTTTCATAAAATTTTTTAAATATGTTTTATTTTAAATAAAATC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 300									
Candidatus Carsonella ruddii strain BT chromosome...	(23024)	23024	23034	23045	23056	23067	23078	23089	23100
Candidatus Carsonella 135557 - 167442nt	(23024)	ATAATAATTCTATCGATTCCCACACCAACTCCATTAGTATTATATAAACAATTTTTTAAATTTAATTAAAAAATCTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 301									
Candidatus Carsonella ruddii strain BT chromosome...	(23101)	23101	23111	23122	23133	23144	23155	23166	23177
Candidatus Carsonella 135557 - 167442nt	(23101)	ATTTTTTTTAAATAAAATTTTTTTTTTGTATATAATAATCATTTAATTCATCAAATCCATTAGAAATTTCTATTTCCTG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 302									
Candidatus Carsonella ruddii strain BT chromosome...	(23178)	23178	23188	23199	23210	23221	23232	23243	23254
Candidatus Carsonella 135557 - 167442nt	(23178)	AAATAAATAATTCAAATCTTTTTGAATAATTTAAATTTGTTATAATATTTTTTGTAAAGGACTACTTTTTGTAGGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 303									
Candidatus Carsonella ruddii strain BT chromosome...	(23255)	23255	23265	23276	23287	23298	23309	23320	23331
Candidatus Carsonella 135557 - 167442nt	(23255)	AAAAATTTAATAAAAAATAGGAAAAATTAATTTTTTTTTTATTTTATCATCAAAAAATTTTAAATAAAATATCACTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 304									
Candidatus Carsonella ruddii strain BT chromosome...	(23332)	23332	23342	23353	23364	23375	23386	23397	23408
Candidatus Carsonella 135557 - 167442nt	(23332)	AAAATAATTTTTTATATTGTTTATTCCTTTATAATAACAAAAATAAAAAAATTTTTTTTTTATTTATTAAAAAAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 305									
Candidatus Carsonella ruddii strain BT chromosome...	(23409)	23409	23419	23430	23441	23452	23463	23474	23485
Candidatus Carsonella 135557 - 167442nt	(23409)	TTTTTTTTTTTAAATAAAATAAAAAATAATTTCTAATAAACTTATTTTTTTAAAAAATAAATTATAATTAAAAATTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 306									
Candidatus Carsonella ruddii strain BT chromosome...	(23486)	23486	23496	23507	23518	23529	23540	23551	23562
Candidatus Carsonella 135557 - 167442nt	(23486)	TTAAAAATTTCTATAAAATAATAATTTGTTATTAAAAATAAATTTTTTTAAAAATTTTTTCAACAAAAACAAAGAATC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 307									
Candidatus Carsonella ruddii strain BT chromosome...	(23563)	23563	23573	23584	23595	23606	23617	23628	23639
Candidatus Carsonella 135557 - 167442nt	(23563)	TTTAAATTTAAATTTAGATGAATAATATTCTAACATATTAAATTCAAAATAATGAATATTAGAACATCCTTCATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 308									
Candidatus Carsonella ruddii strain BT chromosome...	(23640)	23640	23650	23661	23672	23683	23694	23705	23716
Candidatus Carsonella 135557 - 167442nt	(23640)	TATAACATTTTGTATATCAAAAAGTCTATTATAATTATTTGATAAAATTTTTTTTATATAAAATTCTGGAGAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 309									
Candidatus Carsonella ruddii strain BT chromosome...	(23717)	23717	23727	23738	23749	23760	23771	23782	23793
Candidatus Carsonella 135557 - 167442nt	(23717)	TTTAAATAAAAAAATTTTTTTTACAAAAATTATAAGTTTTTAAATATATTAGAATATGAATTTGATTTATTTTACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 310									
Candidatus Carsonella ruddii strain BT chromosome...	(23794)	23794	23804	23815	23826	23837	23848	23859	23870
Candidatus Carsonella 135557 - 167442nt	(23794)	AAAATTACTAGAATTAATATTTATAAACATAAATTTTTTAAATAAATTGTTTAAAAAATTAATAACACAAAATTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 311									
Candidatus Carsonella ruddii strain BT chromosome...	(23871)	23871	23881	23892	23903	23914	23925	23936	23947
Candidatus Carsonella 135557 - 167442nt	(23871)	TTTTTATTAAAAAATTATTACTTTTATGAAAAGATAAAGTTTTTACGACTAACTTAATAAAAAACGGTATTATAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 312									
Candidatus Carsonella ruddii strain BT chromosome...	(23948)	23948	23958	23969	23980	23991	24002	24013	24024
Candidatus Carsonella 135557 - 167442nt	(23948)	ATTATTTTTTTTTTTGTTTTTTTAAATTTTACCATAAACAAATTAATATATCACCAATTGAAAATTTTTCATTAGAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 313									
Candidatus Carsonella ruddii strain BT chromosome...	(24025)	24025	24035	24046	24057	24068	24079	24090	24101
Candidatus Carsonella 135557 - 167442nt	(24025)	AATTTGTATTATTCCTGAATAATCTTTTAATTCTATAAAAAGGTTTTTTGATTCTATTTACTTTTCCGTAAATAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 314									
Candidatus Carsonella ruddii strain BT chromosome...	(24102)	24102	24112	24123	24134	24145	24156	24167	24178
Candidatus Carsonella 135557 - 167442nt	(24102)	TAAATTTTTTTAAATTTATAATCATATTATTATAAAATTTATTTTCATATTTAAAAAATTTATTTAAATTATATTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 315									
Candidatus Carsonella ruddii strain BT chromosome...	(24179)	24179	24189	24200	24211	24222	24233	24244	24255
Candidatus Carsonella 135557 - 167442nt	(24179)	GATTATTAATATGATTATAATAAAATTTATTTTCAAAATGATAAGTTTTTATATATTTTTTTTTCTAAATTTTTTAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 316									
Candidatus Carsonella ruddii strain BT chromosome...	(24256)	24256	24266	24277	24288	24299	24310	24321	24332
Candidatus Carsonella 135557 - 167442nt	(24256)	TAATTATTAAAATTTAAATTTTTTTTTTCAAAAAAATTTAAATTTCTAAAATTTTTTAAAGCAAAATTTTTATTTTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 317									
Candidatus Carsonella ruddii strain BT chromosome...	(24333)	24333	24343	24354	24365	24376	24387	24398	24409
Candidatus Carsonella 135557 - 167442nt	(24333)	TTGAGATCTTTTCAGATTGACAACCTAACAACAATATTTGTAGGAATATGTTTTATTCTTATTGCAGAATTTGTATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 318									
Candidatus Carsonella ruddii strain BT chromosome...	(24410)	24410	24420	24431	24442	24453	24464	24475	24486
Candidatus Carsonella 135557 - 167442nt	(24410)	TTACATGTTGTCCTCCTGGACCTTTAGATTTAAACCTTTCAATAATAATATCTTCTTTATTAAAAAATTTTTTTCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 319									
Candidatus Carsonella ruddii strain BT chromosome...	(24487)	24487	24497	24508	24519	24530	24541	24552	24563
Candidatus Carsonella 135557 - 167442nt	(24487)	TTATTAATTTTAGGAATAACAATTATATTTATATATGAAGTTTGTATTTTATTATTTGTTGTTATAGGATTTTTTCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 320									
Candidatus Carsonella ruddii strain BT chromosome...	(24564)	24564	24574	24585	24596	24607	24618	24629	24640
Candidatus Carsonella 135557 - 167442nt	(24564)	CATTATTCTATGTATACCAGATTCATTTTTTAATAATAAAAAGGAATAAATATCATCTATAAAAAATTAAAGATTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 321									
Candidatus Carsonella ruddii strain BT chromosome...	(24641)	24641	24651	24662	24673	24684	24695	24706	24717
Candidatus Carsonella 135557 - 167442nt	(24641)	TATATCCATAATCATTATTTTCAAATAAATAATTTCCACATTAAATTTATTTTTTTTAAACCATTTATAATAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 322									
Candidatus Carsonella ruddii strain BT chromosome...	(24718)	24718	24728	24739	24750	24761	24772	24783	24794
Candidatus Carsonella 135557 - 167442nt	(24718)	TCTGTAAAAAATTTAACTAATTGGTATGTTTCTATTCTCCAGCATTAGGATAAATTTCTATATAACATTTACAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 323									
Candidatus Carsonella ruddii strain BT chromosome...	(24795)	24795	24805	24816	24827	24838	24849	24860	24871
Candidatus Carsonella 135557 - 167442nt	(24795)	TGAATAATTTTCAATTTTTTTTTTCAATATAAGATTTAATGTTATTATAATCATTAATATTATATACAGAAAAATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 324									
Candidatus Carsonella ruddii strain BT chromosome...	(24872)	24872	24882	24893	24904	24915	24926	24937	24948
Candidatus Carsonella 135557 - 167442nt	(24872)	TTTTAAAAATAAATTCAATATATTTATTTTAAATTAAATTATAATACATTACAATTGTTTTTTTATAAAATTTATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 325							
Candidatus Carsonella ruddii strain BT chromosome...	(24949)	24949	24959	24970	24981	24992	25003
Candidatus Carsonella 135557 - 167442nt	(24949)	AAATATTAAAATTTTGAGAAAAAATTTTATATTTTTCATTTAACAAAAATAATTTTTTAATATTTAATTTAATTTTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 326							
Candidatus Carsonella ruddii strain BT chromosome...	(25026)	25026	25036	25047	25058	25069	25080
Candidatus Carsonella 135557 - 167442nt	(25026)	AAATTAGGTATTATTTTTTAAATCGCAAAAAATAATTTAATAGGATAAGAGGTAGAAACAACAATATTATTTTTTTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 327							
Candidatus Carsonella ruddii strain BT chromosome...	(25103)	25103	25113	25124	25135	25146	25157
Candidatus Carsonella 135557 - 167442nt	(25103)	TTCATTTTTTAATTAATGATGTTAATGATGTAATGGTATGAGGATCGTGAATTTTTTTATATTTATTATAAAAAATATT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 328							
Candidatus Carsonella ruddii strain BT chromosome...	(25180)	25180	25190	25201	25212	25223	25234
Candidatus Carsonella 135557 - 167442nt	(25180)	CAATAGAATTAATAATAATTTTATTATTAATTTTATCAGAAAAAAAACTTTTATTAATATTATTTCATTTGATTATTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 329							
Candidatus Carsonella ruddii strain BT chromosome...	(25257)	25257	25267	25278	25289	25300	25311
Candidatus Carsonella 135557 - 167442nt	(25257)	TTTAAATTATTATTATTAACCTAATCTTAAAAAATTAGATGGAATAGAAATATCTATTGATGGTGAAATTGTTTTTTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 330							
Candidatus Carsonella ruddii strain BT chromosome...	(25334)	25334	25344	25355	25366	25377	25388
Candidatus Carsonella 135557 - 167442nt	(25334)	TAAAGAATAATTTTTTAATTATATTATTTTTTAATAAAATTATCTAAAAAATTATTATCATTGTACAAGTTATAATTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					

									Section 331
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(25411)	25411	25421	25432	25443	25454	25465	25476	25487
	(25411)	TTTCAATTGGAAAACCTAATTTTTTTAGCTATAAAAGCAGATAGAGAATTACCAAAATTTCCAGATGGAATTATAAAA							
	(1)	-----							
	(1)	-----							
									Section 332
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(25488)	25488	25498	25509	25520	25531	25542	25553	25564
	(25488)	TTTACATAATTATTTTTTATAAACATTTAATGAACAATAACAATAATAAATTGTTTGAAAAATTATTCTAAACCAATT							
	(1)	-----							
	(1)	-----							
									Section 333
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(25565)	25565	25575	25586	25597	25608	25619	25630	25641
	(25565)	TATAGAATTAACAGATATTAAAAAATTTTTTTATTATTTTTTAATATTTTCAAATATTTTTTTAATTAAAAATTGAG							
	(1)	-----							
	(1)	-----							
									Section 334
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(25642)	25642	25652	25663	25674	25685	25696	25707	25718
	(25642)	AAGTATCAAAATTTCTCTAAAATTGAAATATTTTTTAATATTATTTTTTAATTAAAGTAGTAATTTGTTTTCTTTGAATA							
	(1)	-----							
	(1)	-----							
									Section 335
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(25719)	25719	25729	25740	25751	25762	25773	25784	25795
	(25719)	TTTGAAATCATATTAAATGGATAAAAAAGTAAATAATTTAATTTTTTCAAAATTTTAAAAAGAATTATTAGCTGAGGA							
	(1)	-----							
	(1)	-----							
									Section 336
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(25796)	25796	25806	25817	25828	25839	25850	25861	25872
	(25796)	ACCAGTATCTCCTGAAGTAGCACAAAAAATTAATAATTTTTTTATTAATTTTTTTTGAAAAAAATTTAATATATTTTC							
	(1)	-----							
	(1)	-----							

Section 337									
Candidatus Carsonella ruddii strain BT chromosome...	(25873)	25873	25883	25894	25905	25916	25927	25938	25949
Candidatus Carsonella 135557 - 167442nt	(25873)	CTAAAGGAATCATAGCTATATCTTTAAAAGTTAAAGTAGGGCCATTATTTTAAATTTAATAAAAAATTATTATTAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 338									
Candidatus Carsonella ruddii strain BT chromosome...	(25950)	25950	25960	25971	25982	25993	26004	26015	26026
Candidatus Carsonella 135557 - 167442nt	(25950)	ATTTTTTCAATATTTTAAACTAAATTAAAATTAAAATTAAAATAACTTTTATTAATTATATTATATAAAATTTCTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 339									
Candidatus Carsonella ruddii strain BT chromosome...	(26027)	26027	26037	26048	26059	26070	26081	26092	26103
Candidatus Carsonella 135557 - 167442nt	(26027)	TGAAATATTATTTATAAATAATCTTGATATTTTAAAAGCAAAATTAACATAATTTAAATTTTTTAACTAAAAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 340									
Candidatus Carsonella ruddii strain BT chromosome...	(26104)	26104	26114	26125	26136	26147	26158	26169	26180
Candidatus Carsonella 135557 - 167442nt	(26104)	GATTTTTTTTTTAATTTTAATATTTTAAAAGGAAAAAATAAAGTTTTGTTTTTAGGAATATTTGAAAAAAAATATCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 341									
Candidatus Carsonella ruddii strain BT chromosome...	(26181)	26181	26191	26202	26213	26224	26235	26246	26257
Candidatus Carsonella 135557 - 167442nt	(26181)	GAAAATTTTTTTCACATCTAATTTATTGTTAATACTGTTATAAAACATTATAATAATTTATAAATAAAAAATTTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 342									
Candidatus Carsonella ruddii strain BT chromosome...	(26258)	26258	26268	26279	26290	26301	26312	26323	26334
Candidatus Carsonella 135557 - 167442nt	(26258)	TTTTTAAAAAATATAAAAAACAATATTTTCTTATAATAAATTTTTTTAGTTTTTTATTAAATATATTTATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

									Section 343
Candidatus Carsonella ruddii strain BT chromosome...	(26335)	26335	26345	26356	26367	26378	26389	26400	26411
	(26335)	GTAAAAATTTAAAAAATTTATTTTAAAAATATTTAAAAAATAAAAAATATTGTAATCAAATTTAAATTTAATTAAAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 344
Candidatus Carsonella ruddii strain BT chromosome...	(26412)	26412	26422	26433	26444	26455	26466	26477	26488
	(26412)	AATTTAAACATAAAAAATTTTATTGATTATTTTACTTTTTTAAAACAATTATATTTAAAAAAATTTTTTTTTTCA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 345
Candidatus Carsonella ruddii strain BT chromosome...	(26489)	26489	26499	26510	26521	26532	26543	26554	26565
	(26489)	AAAAATTGATAAAATTAATACTACAGAAGCAGCAGTGGATAAACCGCCAGCTCCTAAAGATGTTAAACTGTTTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 346
Candidatus Carsonella ruddii strain BT chromosome...	(26566)	26566	26576	26587	26598	26609	26620	26631	26642
	(26566)	TTTAGAATTTTACAATTTAAATAATAGTATTTTAAAGAATTTTGTCTTTTATAAAAAATATATTTTTTGTAAAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 347
Candidatus Carsonella ruddii strain BT chromosome...	(26643)	26643	26653	26664	26675	26686	26697	26708	26719
	(26643)	ATAAAGATACATTTATAAATAAATAATTGTTTATATTTAAATAAAAAAGATAAAAAATTTTTTTTAAAAAATATTTTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 348
Candidatus Carsonella ruddii strain BT chromosome...	(26720)	26720	26730	26741	26752	26763	26774	26785	26796
	(26720)	CTTATATAATTAGATAAATTAAAAATACTTTCTAAATAAAAAATATTACAACAAATGTAAAAATTTTTTATTTTAGA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

Section 349									
Candidatus Carsonella ruddii strain BT chromosome...	(26797)	26797	26807	26818	26829	26840	26851	26862	26873
Candidatus Carsonella 135557 - 167442nt	(26797)	AAGTAAAATTGAAAATTTAAATAAAGTATCAAACCCAAAAATATCTTTTTTCATAGTTTTTTTCTGATATACCTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 350									
Candidatus Carsonella ruddii strain BT chromosome...	(26874)	26874	26884	26895	26906	26917	26928	26939	26950
Candidatus Carsonella 135557 - 167442nt	(26874)	TTATTGATATTTTTATTAATTTTAAAAAAGACATTTTTTCAATATTTGTTAAAAATATAAATTACAAGTACCATTAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 351									
Candidatus Carsonella ruddii strain BT chromosome...	(26951)	26951	26961	26972	26983	26994	27005	27016	27027
Candidatus Carsonella 135557 - 167442nt	(26951)	ATACCAAAAAAATAATTAATATTTTTCTTTTGAATAAAATTTATCTAATAAATTTATTATTGGTAAAGAACCACAAAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 352									
Candidatus Carsonella ruddii strain BT chromosome...	(27028)	27028	27038	27049	27060	27071	27082	27093	27104
Candidatus Carsonella 135557 - 167442nt	(27028)	AGATGCTTCATAATAAATTTTTTTTATTGTTTATTTTAAACAAATAATTTATAAAAAATAAATATTTAGAAATTAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 353									
Candidatus Carsonella ruddii strain BT chromosome...	(27105)	27105	27115	27126	27137	27148	27159	27170	27181
Candidatus Carsonella 135557 - 167442nt	(27105)	CTTTATTTGCGAGAAATATAATTATTTTTTTTTTTTTTAAACAATTTAATATTATTTCTATAACTACATGTATATTACCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 354									
Candidatus Carsonella ruddii strain BT chromosome...	(27182)	27182	27192	27203	27214	27225	27236	27247	27258
Candidatus Carsonella 135557 - 167442nt	(27182)	ATTAATTCCTATAAATAAATTTTTATTTTTTAAATAATTTTCATATTTATTTTATTAAATTTATTTAAGCAATTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 355									
Candidatus Carsonella ruddii strain BT chromosome...	(27259)	27259	27269	27280	27291	27302	27313	27324	27335
Candidatus Carsonella 135557 - 167442nt	(27259)	TCTATTATTTTTTGAAAAAGTTAAAATTTTATTTTTTTTTATTTAATATATTAAAAACATTATTTCTACATTTTCCTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 356									
Candidatus Carsonella ruddii strain BT chromosome...	(27336)	27336	27346	27357	27368	27379	27390	27401	27412
Candidatus Carsonella 135557 - 167442nt	(27336)	AACCAAAAATTGAAAAATCCATAATTAAATATTTTTTAATGAAATTAAATTTGGATTTTTTAATAAAAAAAATTTTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 357									
Candidatus Carsonella ruddii strain BT chromosome...	(27413)	27413	27423	27434	27445	27456	27467	27478	27489
Candidatus Carsonella 135557 - 167442nt	(27413)	TTAATTTTATTCCTTGTATTTTTTTTTCTACATTAAAAGTAAATTTTTTAATTTTAATAATTTTACCAAAAAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 358									
Candidatus Carsonella ruddii strain BT chromosome...	(27490)	27490	27500	27511	27522	27533	27544	27555	27566
Candidatus Carsonella 135557 - 167442nt	(27490)	GAAATTTTATTATTAACTAAATAAGAAACTGTAATATTATTATTTTTTTTTTAAAAAATTTTCATATATTGAAAAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 359									
Candidatus Carsonella ruddii strain BT chromosome...	(27567)	27567	27577	27588	27599	27610	27621	27632	27643
Candidatus Carsonella 135557 - 167442nt	(27567)	TTTTTAAAAGTGGAATCTAATTATTATTTTTTTTTTTAAAAACAATATAATTATTAGGAATAAAATATTTAAATTTG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 360									
Candidatus Carsonella ruddii strain BT chromosome...	(27644)	27644	27654	27665	27676	27687	27698	27709	27720
Candidatus Carsonella 135557 - 167442nt	(27644)	AAATTAATTATTAAAAACATTTCTTTGTGTTAAAAATTTTAAATATAAAATATTTTTTTATTAAATAACAATTTGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 361									
Candidatus Carsonella ruddii strain BT chromosome...	(27721)	27721	27731	27742	27753	27764	27775	27786	27797
Candidatus Carsonella 135557 - 167442nt	(27721)	TATTAGTTTCATATTTTTTAAAATTTCAAATAATCTTTTACTTAATTTAGCTCCTTTTTTTAATATAAAAAAATAACAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 362									
Candidatus Carsonella ruddii strain BT chromosome...	(27798)	27798	27808	27819	27830	27841	27852	27863	27874
Candidatus Carsonella 135557 - 167442nt	(27798)	ATTATAATTAACAAAAAACTTTTTCCATTATTTATATTAGAATTAAAAAAACCAATTCTTTTAATAATTTTTTCCAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 363									
Candidatus Carsonella ruddii strain BT chromosome...	(27875)	27875	27885	27896	27907	27918	27929	27940	27951
Candidatus Carsonella 135557 - 167442nt	(27875)	AAACAGAATTTTTTCTATAAATAACATTAATATAAAACAAATTTTCTAAGTTATTTTTTTTTTGCAATCTGACAACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 364									
Candidatus Carsonella ruddii strain BT chromosome...	(27952)	27952	27962	27973	27984	27995	28006	28017	28028
Candidatus Carsonella 135557 - 167442nt	(27952)	ATCATTTTAAAATACATTTAAAAAATAATTTTCAACATAATCTTAATGTTTGCGGGGTAGAGCAGTTGGTAGCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 365									
Candidatus Carsonella ruddii strain BT chromosome...	(28029)	28029	28039	28050	28061	28072	28083	28094	28105
Candidatus Carsonella 135557 - 167442nt	(28029)	CGTCGGGCTCATAATCCGAAGGACGTTGGTTCAAATCCAATCCCCGCAATTTTAAATTAATTAATTATTTTTTTATG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 366									
Candidatus Carsonella ruddii strain BT chromosome...	(28106)	28106	28116	28127	28138	28149	28160	28171	28182
Candidatus Carsonella 135557 - 167442nt	(28106)	TTTCCAATTAAACATTTTTCTTATATTATCTCCAACATTTTCTATTAAATGATTTTTATAATAATCTCTAAATAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 367									
Candidatus Carsonella ruddii strain BT chromosome...	(28183)	28183	28193	28204	28215	28226	28237	28248	28259
Candidatus Carsonella 135557 - 167442nt	(28183)	TTAATTTAATAAAATTTGATTTTTTATCAAGAATAAAATTTT TAGAAAAATTACCATTTTGAATATTTTTTAAATATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 368									
Candidatus Carsonella ruddii strain BT chromosome...	(28260)	28260	28270	28281	28292	28303	28314	28325	28336
Candidatus Carsonella 135557 - 167442nt	(28260)	TTTTTCATTTTTTTTTTTTAAATATTATAATAATATTCGTTTCATAACATAATAATCACCATATTCTGCAGTATTAGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 369									
Candidatus Carsonella ruddii strain BT chromosome...	(28337)	28337	28347	28358	28369	28380	28391	28402	28413
Candidatus Carsonella 135557 - 167442nt	(28337)	TATTGAATATCTCATATTTTTAATACCTCCTTCATATATTAAATCAACAATTAATTTCAATTCATGTAAACATTCAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 370									
Candidatus Carsonella ruddii strain BT chromosome...	(28414)	28414	28424	28435	28446	28457	28468	28479	28490
Candidatus Carsonella 135557 - 167442nt	(28414)	AATATGAAAGATCTGGTGAATATCCAGCTTCTACTAAAGTTTCAAATCCACAAATTATAAGAGAACTTACACCTCCA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 371									
Candidatus Carsonella ruddii strain BT chromosome...	(28491)	28491	28501	28512	28523	28534	28545	28556	28567
Candidatus Carsonella 135557 - 167442nt	(28491)	CATAAACTGATTGTTCTCCAAATAAATCAGTTTCAGTTTCTTCTTTAAACTTGTTAGAAATTATTCCAACCTACC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 372									
Candidatus Carsonella ruddii strain BT chromosome...	(28568)	28568	28578	28589	28600	28611	28622	28633	28644
Candidatus Carsonella 135557 - 167442nt	(28568)	ACTACCTATACACATTGAATAAGATAATGCAATATTTAATGATTCTTTATTATAATCTTGATAAATAGCTATTAAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 373									
Candidatus Carsonella ruddii strain BT chromosome...	(28645)	28645	28655	28666	28677	28688	28699	28710	28721
Candidatus Carsonella 135557 - 167442nt	(28645)	AAGGAACTCCACTTCCTTCACAAAATGTTGATCTTACTGTATGACCAGGAGCTTTAGGAGCAACTAAAATAATATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 374									
Candidatus Carsonella ruddii strain BT chromosome...	(28722)	28722	28732	28743	28754	28765	28776	28787	28798
Candidatus Carsonella 135557 - 167442nt	(28722)	AAATTATTTTTTTGGAATTATTTGTTTATAATGTATATTAAACCATGGGAAAAAATTAACGTTGTTCCCTCTTTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 375									
Candidatus Carsonella ruddii strain BT chromosome...	(28799)	28799	28809	28820	28831	28842	28853	28864	28875
Candidatus Carsonella 135557 - 167442nt	(28799)	ATTTTTTCTATATAATCATAATATAAATCTCTTTGATCTTCATCAGGAATTAAAATAACTAATATATCAGATTTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 376									
Candidatus Carsonella ruddii strain BT chromosome...	(28876)	28876	28886	28897	28908	28919	28930	28941	28952
Candidatus Carsonella 135557 - 167442nt	(28876)	ATAAAGCTTCCTTAATATCAATTACTTTAAAACCGTCTTTTTTTGCTTTTTCTATTTTTTTAGAAATTATTTTTTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 377									
Candidatus Carsonella ruddii strain BT chromosome...	(28953)	28953	28963	28974	28985	28996	29007	29018	29029
Candidatus Carsonella 135557 - 167442nt	(28953)	CAAACATATGTTTCAATACCTGAATCTTTTAAATTTTGAGCTTGTGCATGACCTTGAGAACCATATCCTATTACTGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 378									
Candidatus Carsonella ruddii strain BT chromosome...	(29030)	29030	29040	29051	29062	29073	29084	29095	29106
Candidatus Carsonella 135557 - 167442nt	(29030)	TATAATTTTATTTTTTAATAATAATTTATTACAATCTTTTTCGTAAACATAATTTTTATAATATATTTTTTATAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 379									
Candidatus Carsonella ruddii strain BT chromosome...	(29107)	29107	29117	29128	29139	29150	29161	29172	29183
Candidatus Carsonella 135557 - 167442nt	(29107)	GAGAAAATTATTCAATATACTAAAAACATAATTTATTTTTTTTGAATTAAAAAATAAATAATTTTTTAAAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 380									
Candidatus Carsonella ruddii strain BT chromosome...	(29184)	29184	29194	29205	29216	29227	29238	29249	29260
Candidatus Carsonella 135557 - 167442nt	(29184)	TTACAAACATAAAATTTTATAAAATTTAATTTTAAATTTTATTAAAAATATTATTATAAATAATAATTTTAAATATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 381									
Candidatus Carsonella ruddii strain BT chromosome...	(29261)	29261	29271	29282	29293	29304	29315	29326	29337
Candidatus Carsonella 135557 - 167442nt	(29261)	TTAACAAAATAAATTTTATTTATATTTAAACATTTTGATAAAGATTTTAAAAATTGATTAATTTTAAATATGAATC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 382									
Candidatus Carsonella ruddii strain BT chromosome...	(29338)	29338	29348	29359	29370	29381	29392	29403	29414
Candidatus Carsonella 135557 - 167442nt	(29338)	ATTAATAAAAAATAATTTTAAATGATTTTAAATATTGCTTTTAAATTTTAAATAATTCTATTTTAAATTAATTTGAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 383									
Candidatus Carsonella ruddii strain BT chromosome...	(29415)	29415	29425	29436	29447	29458	29469	29480	29491
Candidatus Carsonella 135557 - 167442nt	(29415)	TAAAAAATTATAAAATTTACTAACACAATTAATTTTATTATGAATTAAAAAATAAATTTTTTTTCATATTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 384									
Candidatus Carsonella ruddii strain BT chromosome...	(29492)	29492	29502	29513	29524	29535	29546	29557	29568
Candidatus Carsonella 135557 - 167442nt	(29492)	TATTGAAAAAAGTAATTAATTCACACATAGATTGATTATAAATTTGTATAGGAAATACATTTTCTTTATGATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 385									
Candidatus Carsonella ruddii strain BT chromosome...	(29569)	29569	29579	29590	29601	29612	29623	29634	29645
Candidatus Carsonella 135557 - 167442nt	(29569)	TATAAATATTTATAAAACAAAATATATCTACAAATATTAAATTTATAAAAAAAAAAATAAAATTTTTTAATATTATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 386									
Candidatus Carsonella ruddii strain BT chromosome...	(29646)	29646	29656	29667	29678	29689	29700	29711	29722
Candidatus Carsonella 135557 - 167442nt	(29646)	AAATTAAAAGAATATAAATTATAAGAATTAATTAATTTTTTAAAATTTGGAAGAGAATAAATATATGAATGTGAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 387									
Candidatus Carsonella ruddii strain BT chromosome...	(29723)	29723	29733	29744	29755	29766	29777	29788	29799
Candidatus Carsonella 135557 - 167442nt	(29723)	TCTATTATTATAGTTTAAATTCCTTGCCATTGTTTAACCATACCTAAACTTTGATTATTTAAATTAACGATAATAATGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 388									
Candidatus Carsonella ruddii strain BT chromosome...	(29800)	29800	29810	29821	29832	29843	29854	29865	29876
Candidatus Carsonella 135557 - 167442nt	(29800)	TTATTTTATATTGTTTACAAGTTGATAATTCTTGTCATCATCATTTGAAAACCTACCTTCTCCAGTTATTAATAATACT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 389									
Candidatus Carsonella ruddii strain BT chromosome...	(29877)	29877	29887	29898	29909	29920	29931	29942	29953
Candidatus Carsonella 135557 - 167442nt	(29877)	TTTTTATTTTTATTTGCAAATTTTATTTCCTATTGCAGAAGGAAAACCAACCCCATTTGTTCTTAATCCTCCTGATGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 390									
Candidatus Carsonella ruddii strain BT chromosome...	(29954)	29954	29964	29975	29986	29997	30008	30019	30030
Candidatus Carsonella 135557 - 167442nt	(29954)	AATAAATTTTTTGTAATTAAAATAATAATATTTTGCTGCAACATTTGATGTTGTCCTACATCAGTAGTTAAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 391							
Candidatus Carsonella ruddii strain BT chromosome...	(30031)	30031	30041	30052	30063	30074	30085	30096	30107
	(30031)	ACTTTCCTTTACTAATAATAAAAAATTAATTCTATTATTTGTTGAGGCTTACAAAAAAAAAAATCATTTCATATTTT							
	(1)	-----							
	(1)	-----							
		Section 392							
Candidatus Carsonella ruddii strain BT chromosome...	(30108)	30108	30118	30129	30140	30151	30162	30173	30184
	(30108)	TTATTAATAAAATTTTTTAAAAAAATTATTATTTCCACCAAAATTTTATATTTTGTAAAAAAATTATTTTTTAA							
	(1)	-----							
	(1)	-----							
		Section 393							
Candidatus Carsonella ruddii strain BT chromosome...	(30185)	30185	30195	30206	30217	30228	30239	30250	30261
	(30185)	AAAAAATTCATATCACATAAAAAAAATTTTTCACAATAAATATTTTAGAAATTGAATTTAAATCAATATCAATAT							
	(1)	-----							
	(1)	-----							
		Section 394							
Candidatus Carsonella ruddii strain BT chromosome...	(30262)	30262	30272	30283	30294	30305	30316	30327	30338
	(30262)	GAATAATACTTGAATATGGAGAAAATTTTTCATTATTATTTATTATTCTATCATCTAATCTAGTTCCTAAACAAATA							
	(1)	-----							
	(1)	-----							
		Section 395							
Candidatus Carsonella ruddii strain BT chromosome...	(30339)	30339	30349	30360	30371	30382	30393	30404	30415
	(30339)	ATAATATCAGAATAATGAATTATATTATTAACACATGCATCGCCATGCATACCTAACCAACCTAAATAATACGGATT							
	(1)	-----							
	(1)	-----							
		Section 396							
Candidatus Carsonella ruddii strain BT chromosome...	(30416)	30416	30426	30437	30448	30459	30470	30481	30492
	(30416)	TCTGTAATTAAACCTCCTAAACCCATAAAAGTTGATATAAAAGGTATTTTATTTTTTTTAAATAAAAACATCTAATA							
	(1)	-----							
	(1)	-----							

Section 397									
Candidatus Carsonella ruddii strain BT chromosome...	(30493)	30493	30503	30514	30525	30536	30547	30558	30569
Candidatus Carsonella 135557 - 167442nt	(30493)	ATTTTATATAATTTTTTTTTTAACAAACCTCCTCCAATTAAAAATAATAGGTCTTTTATATTTTAAATTAATAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 398									
Candidatus Carsonella ruddii strain BT chromosome...	(30570)	30570	30580	30591	30602	30613	30624	30635	30646
Candidatus Carsonella 135557 - 167442nt	(30570)	ATATTTTTATTTTTATTTTTTTTTATTTTTATAAATGGATATTTATTTCTTAATATATTTAAAGAAGAAGTTAGATC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 399									
Candidatus Carsonella ruddii strain BT chromosome...	(30647)	30647	30657	30668	30679	30690	30701	30712	30723
Candidatus Carsonella 135557 - 167442nt	(30647)	TTTTGGAAAATCTATTACTACTGGTCCTTTTTTAAACAATCATTTTTATAAAATGATTTTGAAATAATATATTGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 400									
Candidatus Carsonella ruddii strain BT chromosome...	(30724)	30724	30734	30745	30756	30767	30778	30789	30800
Candidatus Carsonella 135557 - 167442nt	(30724)	TATTATAATAACAATTTAAAGAATAAAATTTTTTTATTACAGAATTAGATAAAATTTAAGTTATCTAATTCTTGAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 401									
Candidatus Carsonella ruddii strain BT chromosome...	(30801)	30801	30811	30822	30833	30844	30855	30866	30877
Candidatus Carsonella 135557 - 167442nt	(30801)	GAATTTTGAGCTATCATTTTTTTAATTACTTGCCACATAAAATAATAATTGAAGAATTATCAAAATTAGCTGTTGC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 402									
Candidatus Carsonella ruddii strain BT chromosome...	(30878)	30878	30888	30899	30910	30921	30932	30943	30954
Candidatus Carsonella 135557 - 167442nt	(30878)	TAATCCAGTAATACAATTTGTAAATCCAGGTCCAGAAGTTACTAAACTACACCTGTTAAATTTGATGATCTTGAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 403						
Candidatus Carsonella ruddii strain BT chromosome...	(30955)	30955	30965	30976	30987	30998	31009	31020 31031
	(30955)	ATCCATCAGCCATGTGTACTGCAGCTTGTTTCGTGTCTTACTAATATATGTTTTATTTTTGATGTAAATATTGCATCA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 404						
Candidatus Carsonella ruddii strain BT chromosome...	(31032)	31032	31042	31053	31064	31075	31086	31097 31108
	(31032)	TAAATATGTAAACTGCACCTCCAGGATATCCGAAAACAAATTCATATTTTCTAACAATAATGATTCTATTATTAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 405						
Candidatus Carsonella ruddii strain BT chromosome...	(31109)	31109	31119	31130	31141	31152	31163	31174 31185
	(31109)	TTTTGAAGATGAAATCTTCATTTTAAAAATATTTATTAAAAAGATTTTTTTCATTTCTGTTGGTATATTACAATATAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 406						
Candidatus Carsonella ruddii strain BT chromosome...	(31186)	31186	31196	31207	31218	31229	31240	31251 31262
	(31186)	AAAAAAATTTTTCATAATTAAAGGATAAAAAAAGAAATTTTTTATGATGCAATGTATTATTAAATTTTAAGTTTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 407						
Candidatus Carsonella ruddii strain BT chromosome...	(31263)	31263	31273	31284	31295	31306	31317	31328 31339
	(31263)	TGTTATAATAAAATTCATTTTTTATTATTATTATATTAGAAAAATTTAAATGTTTTCTAATTTGATGAGTTCTTCCAGTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 408						
Candidatus Carsonella ruddii strain BT chromosome...	(31340)	31340	31350	31361	31372	31383	31394	31405 31416
	(31340)	TTTATATAAATATTATAAATATTGTTTTTATATGAATTTTTTATTTTTTATAAAAAGTAATACTTTTTTTAAAAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

Section 409									
Candidatus Carsonella ruddii strain BT chromosome...	(31417)	31417	31427	31438	31449	31460	31471	31482	31493
Candidatus Carsonella 135557 - 167442nt	(31417)	TTTTTTTATTAAAATTTTACGTTTTTTTATAAATTGATAAATTAATAAAACCACTATTATTATTTTTTTCTACTATTG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 410									
Candidatus Carsonella ruddii strain BT chromosome...	(31494)	31494	31504	31515	31526	31537	31548	31559	31570
Candidatus Carsonella 135557 - 167442nt	(31494)	TTATATAATTTTTTTTAATAATTTTTTTTAAAAATAATTTTTTTTATAAAAAAATAAAACATTAAATTTCTTGCTATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 411									
Candidatus Carsonella ruddii strain BT chromosome...	(31571)	31571	31581	31592	31603	31614	31625	31636	31647
Candidatus Carsonella 135557 - 167442nt	(31571)	AAAATTATACCAGATGTATATTTATCTAATCTATTTAAAAATTCCTTTATTTGGTAAATTATTTTTATTTTATTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 412									
Candidatus Carsonella ruddii strain BT chromosome...	(31648)	31648	31658	31669	31680	31691	31702	31713	31724
Candidatus Carsonella 135557 - 167442nt	(31648)	TAACAAACTAAATATTTCTACACCTACTGGTTTATTTATAATAATTATATTCTTGTCATAATATTCAATTTTTATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 413									
Candidatus Carsonella ruddii strain BT chromosome...	(31725)	31725	31735	31746	31757	31768	31779	31790	31801
Candidatus Carsonella 135557 - 167442nt	(31725)	TATGCATAAAATCTAATTTCTTCTAAATTATGAAATTTATTTATATAACAAATATTACAAATATTTTTATTATATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 414									
Candidatus Carsonella ruddii strain BT chromosome...	(31802)	31802	31812	31823	31834	31845	31856	31867	31878
Candidatus Carsonella 135557 - 167442nt	(31802)	ATGTTTTTTAATATTTTTTATAATCTTTTGAAATTAAACAAAATAATTTTTTTTTTATTTTGTAATAATAATATTTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 415							
Candidatus Carsonella ruddii strain BT chromosome...	(31879)	31879	31889	31900	31911	31922	31933	31944	31955
	(31879)	AATTATACCAATTCCAAAAAAATTATTAAAAAAATTTCTTTAAAAAAATATTAAAAAATTCATTTTTAATTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 416							
Candidatus Carsonella ruddii strain BT chromosome...	(31956)	31956	31966	31977	31988	31999	32010	32021	32032
	(31956)	TTTAATAAAATAAAAATTTTTAAAAAAATAATATCTTTTTTAATAATTTTTAATTTTTAAAAAAATAGAAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 417							
Candidatus Carsonella ruddii strain BT chromosome...	(32033)	32033	32043	32054	32065	32076	32087	32098	32109
	(32033)	AACATTATTGTTTGCTATTGTTTTGTAACTTTTTTAAAAAAATTTAATTCTTTTGAAGAATAATATAAAATAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 418							
Candidatus Carsonella ruddii strain BT chromosome...	(32110)	32110	32120	32131	32142	32153	32164	32175	32186
	(32110)	GAAATAAAATTTGCTTTTAAAAAGTTTAAATATAATGAAAAATAACAACATTTTCTTATTAAAGAATTAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 419							
Candidatus Carsonella ruddii strain BT chromosome...	(32187)	32187	32197	32208	32219	32230	32241	32252	32263
	(32187)	TTGCATATATATAAATTATATTTAATATAATTAATATATAAATCATTTATAAAAGTAATATATAATTTTATTATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 420							
Candidatus Carsonella ruddii strain BT chromosome...	(32264)	32264	32274	32285	32296	32307	32318	32329	32340
	(32264)	AATAACATTGAAAAAATTAATATTTAAAAATAATTTTCAATTATTTTGTTTAAATATTTTGTTTTTTAATAATCC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

									Section 421
Candidatus Carsonella ruddii strain BT chromosome...	(32341)	32341	32351	32362	32373	32384	32395	32406	32417
	(32341)	AATAATCAAAAAATATTTTTTTAGTATTATAAAAAATTAAATTTGTAAAAATTATTTAAAAATAAATTTAAAAAATTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 422
Candidatus Carsonella ruddii strain BT chromosome...	(32418)	32418	32428	32439	32450	32461	32472	32483	32494
	(32418)	CTTATTAATTTATAAGTAAATTTGTATTTTCAAAATTAACAATATTAAAAATTATATTTTTTAAATAATCATGTTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 423
Candidatus Carsonella ruddii strain BT chromosome...	(32495)	32495	32505	32516	32527	32538	32549	32560	32571
	(32495)	TAATAAATACAATTTAATAATTTTCATTACTATTTATTTTTTAATATATCATTTATTTTTTTAAATTTTTTAGAAGATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 424
Candidatus Carsonella ruddii strain BT chromosome...	(32572)	32572	32582	32593	32604	32615	32626	32637	32648
	(32572)	TTGATAATTTATTTTCCTTTTATATCTATACAAAACCCATGAGAAATGATAATATTTAAATTTAAATTAAATAAATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 425
Candidatus Carsonella ruddii strain BT chromosome...	(32649)	32649	32659	32670	32681	32692	32703	32714	32725
	(32649)	AAAAAATTTATAATTATACAGATTGATACCAACCTCTAATTTGATCTTTACCTTCTACAATAATTTTATTATTTTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 426
Candidatus Carsonella ruddii strain BT chromosome...	(32726)	32726	32736	32747	32758	32769	32780	32791	32802
	(32726)	AAAAAATAAAAAATAAAATAGATGAATCAAACCAAACGTCAAAAAATATCTTTTTTAATTTTTTCTATAAAAAAATAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

Section 427								
Candidatus Carsonella ruddii strain BT chromosome...	(32803)	32803	32813	32824	32835	32846	32857	32868 32879
Candidatus Carsonella 135557 - 167442nt	(32803)	TATGAGAACTAAATGTTTTGATTAAATTTTTATAAAAAAGAAATTTTTTTATTATTATTAATATAATAGGAACACCCCAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
	(1)	-----						
Section 428								
Candidatus Carsonella ruddii strain BT chromosome...	(32880)	32880	32890	32901	32912	32923	32934	32945 32956
Candidatus Carsonella 135557 - 167442nt	(32880)	TATCTTTGTCTAGAAATACACCAATTATTTCTAAAATTAATCATATTAAATAAAAGTTTTTTTAAATAAAAAAAGGAAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
	(1)	-----						
Section 429								
Candidatus Carsonella ruddii strain BT chromosome...	(32957)	32957	32967	32978	32989	33000	33011	33022 33033
Candidatus Carsonella 135557 - 167442nt	(32957)	AAAAGAAATTTTCTTCATTTTTTTAAGTAAAATTTTTTTTATATTAATGTTTTTAAATTTAAATTTAAATCTATAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
	(1)	-----						
Section 430								
Candidatus Carsonella ruddii strain BT chromosome...	(33034)	33034	33044	33055	33066	33077	33088	33099 33110
Candidatus Carsonella 135557 - 167442nt	(33034)	AAATTTGATTACTTAAATAATAAAAAATTGGTTTTTTATGTCTCCAACAAAACATATAATTATGATTTATTTTTTCA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
	(1)	-----						
Section 431								
Candidatus Carsonella ruddii strain BT chromosome...	(33111)	33111	33121	33132	33143	33154	33165	33176 33187
Candidatus Carsonella 135557 - 167442nt	(33111)	ATTTTTTAAATTTATTTTTCTTTTTTTTAAATTTTAAAAATAATTTTATTAAAAATAAAAAATATTAATATTATTTAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
	(1)	-----						
Section 432								
Candidatus Carsonella ruddii strain BT chromosome...	(33188)	33188	33198	33209	33220	33231	33242	33253 33264
Candidatus Carsonella 135557 - 167442nt	(33188)	AATTTTAATTAATTTAATAAAAAACTTTTTATTAAAAAAATTTATATTGTTTTTTTTATTATAAATTTTCATAATCTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
	(1)	-----						

Section 433									
Candidatus Carsonella ruddii strain BT chromosome...	(33265)	33265	33275	33286	33297	33308	33319	33330	33341
Candidatus Carsonella 135557 - 167442nt	(33265)	CTAATCCATTAGAAGGAGCACAAATGAATAAAACCGCTTCCTATATTTATATCTATAAAATTATTATTAATAAAAAAGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 434									
Candidatus Carsonella ruddii strain BT chromosome...	(33342)	33342	33352	33363	33374	33385	33396	33407	33418
Candidatus Carsonella 135557 - 167442nt	(33342)	TTTTTTTTATTATAATATAAAAAAATATTTTTTAAAAATAAAAAAATATTTTTTTATTAAAAAAAATTTCCATTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 435									
Candidatus Carsonella ruddii strain BT chromosome...	(33419)	33419	33429	33440	33451	33462	33473	33484	33495
Candidatus Carsonella 135557 - 167442nt	(33419)	AAAAGAAAAAATTTTCTTTTATTTTTTAAAAATTTTATTATTTTATATATTAAAAAATTAGAAAAAATTAATTTGC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 436									
Candidatus Carsonella ruddii strain BT chromosome...	(33496)	33496	33506	33517	33528	33539	33550	33561	33572
Candidatus Carsonella 135557 - 167442nt	(33496)	TATTTTTAGTTTTAAAAATAACATAAATTTGATTTTTTAAAAAATAAGCTTGATTATTAATAATAGACCATAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 437									
Candidatus Carsonella ruddii strain BT chromosome...	(33573)	33573	33583	33594	33605	33616	33627	33638	33649
Candidatus Carsonella 135557 - 167442nt	(33573)	GTTGTTGTCCATATAATTATTAAAAATTTTAATAATTTAATTTTTATATAAAAAGAATAAGAATTTATTTTTTTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 438									
Candidatus Carsonella ruddii strain BT chromosome...	(33650)	33650	33660	33671	33682	33693	33704	33715	33726
Candidatus Carsonella 135557 - 167442nt	(33650)	TAAATTTTCAGAATATGATAAAGAAGAACAACATTTAAACACCATAAAATTGGTATTTTTTCTTTTTTTATTATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 439							
Candidatus Carsonella ruddii strain BT chromosome...	(33727)	33727	33737	33748	33759	33770	33781	33792	33803
	(33727)	TATTTAAATATAAATAATTAAATATTTTATATTGAAAAGATTTCATATCTTGTTGTCATTGTATTGTATGAATAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 440							
Candidatus Carsonella ruddii strain BT chromosome...	(33804)	33804	33814	33825	33836	33847	33858	33869	33880
	(33804)	TTATTTAAATAATTAAATAATTAATCTTTTTTTGTTTATTAATTATATTACAAACAAATTTTCTACATTTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 441							
Candidatus Carsonella ruddii strain BT chromosome...	(33881)	33881	33891	33902	33913	33924	33935	33946	33957
	(33881)	AAAAAAAAAATTATTTTATATAATTTAATTGTTCAATAGGTAAACCATGACAATCCCATCCTAAATTTGATAACAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 442							
Candidatus Carsonella ruddii strain BT chromosome...	(33958)	33958	33968	33979	33990	34001	34012	34023	34034
	(33958)	AAAAATTTTTATTATAAAAAAATTTAATTAAAGAACTTTTATAGTTTTGTTTAATATATGACCAATATGAATTTTCG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 443							
Candidatus Carsonella ruddii strain BT chromosome...	(34035)	34035	34045	34056	34067	34078	34089	34100	34111
	(34035)	CCATTAGCAAAAGGTGGACCATCCAATAAAAAACATTTATTACTTTATTATTTAAATATAATGAATATTATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 444							
Candidatus Carsonella ruddii strain BT chromosome...	(34112)	34112	34122	34133	34144	34155	34166	34177	34188
	(34112)	AATATTTATTGTTTTTTTTAAATTTGCTTTCATTAAATATTTTTTCTAGGCAAATTTAACATATTTAAATATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 445									
Candidatus Carsonella ruddii strain BT chromosome...	(34189)	34189	34199	34210	34221	34232	34243	34254	34265
Candidatus Carsonella 135557 - 167442nt	(34189)	GATTTGTATTTAGAAAGATAATTTTTTATTATTTATTTTTTTATCGAAAAAAGAATAAATTTTCATTTAAATTTTCAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 446									
Candidatus Carsonella ruddii strain BT chromosome...	(34266)	34266	34276	34287	34298	34309	34320	34331	34342
Candidatus Carsonella 135557 - 167442nt	(34266)	TTTTTTATTTTTTATTTTTCTTATAAATTTTTTTATTAACAATTTTTCATAGTTTTAAAAAATGAAAGAATTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 447									
Candidatus Carsonella ruddii strain BT chromosome...	(34343)	34343	34353	34364	34375	34386	34397	34408	34419
Candidatus Carsonella 135557 - 167442nt	(34343)	ATAACCTAAATTAAAAACACTAGATACCATAAAATAAGGTGTTATTATTAAATTTATTTTTTTTTATTTTACTAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 448									
Candidatus Carsonella ruddii strain BT chromosome...	(34420)	34420	34430	34441	34452	34463	34474	34485	34496
Candidatus Carsonella 135557 - 167442nt	(34420)	AAAAAACATTTTCAATTCCATCTATTATAATCCAATAATTTATATTATTTAAATTTTTAATATATAAAAAATATAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 449									
Candidatus Carsonella ruddii strain BT chromosome...	(34497)	34497	34507	34518	34529	34540	34551	34562	34573
Candidatus Carsonella 135557 - 167442nt	(34497)	AAAAATTTTATTAATTTAAAAAATATTTTAAAAAATAATAAATTTATATAAAAAATATAAATTTTAGAAATAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 450									
Candidatus Carsonella ruddii strain BT chromosome...	(34574)	34574	34584	34595	34606	34617	34628	34639	34650
Candidatus Carsonella 135557 - 167442nt	(34574)	ATTTTATATAATTAAATTTGTTTAATAAAAAATTTTCAGAAATATTAATATAACATTTATAATAAAAAATATTTGAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 451							
Candidatus Carsonella ruddii strain BT chromosome...	(34651)	34651	34661	34672	34683	34694	34705	34716	34727
	(34651)	TAATTTTTATAAAAATAATTTTACCTTGTTTTCCAAAATTAGCAATTTTGAATTATAAAAAATTTTATAACAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 452							
Candidatus Carsonella ruddii strain BT chromosome...	(34728)	34728	34738	34749	34760	34771	34782	34793	34804
	(34728)	TTTCCATTACCTCCTTTTCCTCCTTTTAATATTTTAATAAAATAATTGTTTTAACAATATAAATTTTTTTTTTATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 453							
Candidatus Carsonella ruddii strain BT chromosome...	(34805)	34805	34815	34826	34837	34848	34859	34870	34881
	(34805)	TAATGTTATTATTACACCTAAAGATATTTTTATTATTAAATCTTACCTTTTTTCCTTTTTTGTTATTTTTTTCAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 454							
Candidatus Carsonella ruddii strain BT chromosome...	(34882)	34882	34892	34903	34914	34925	34936	34947	34958
	(34882)	CATTTTTACCATTTTTTGAAATAAATAAATTATTATTTGGTAATTTAAAATTATTATTAGATAATAAATATAAATCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 455							
Candidatus Carsonella ruddii strain BT chromosome...	(34959)	34959	34969	34980	34991	35002	35013	35024	35035
	(34959)	CCACCATCACCACCATCACCTCCATTAGCATAAAATTTCCATTTAAAAATTTATAACTAATACAACCATTTCTCC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 456							
Candidatus Carsonella ruddii strain BT chromosome...	(35036)	35036	35046	35057	35068	35079	35090	35101	35112
	(35036)	TTTACCACTTTTTAAAGTAAATATTTTCAATAAACATTATTAACCTCTATAAAAGTTTTATTTTTTTTTTTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 457							
Candidatus Carsonella ruddii strain BT chromosome...	(35113)	35113	35123	35134	35145	35156	35167	35178	35189
	(35113)	ATTAATACTATTCCATTTATTAATGACTGTATATAATAATTTTTTGAATAAAAAAGTATTTTTTCTGAAATTATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 458							
Candidatus Carsonella ruddii strain BT chromosome...	(35190)	35190	35200	35211	35222	35233	35244	35255	35266
	(35190)	AGAACCATTTTGTTTAATTATTATAGATCCTTTATTAACATAATTATTATTATAAAATTTTAAATCCTAATCTTTTAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 459							
Candidatus Carsonella ruddii strain BT chromosome...	(35267)	35267	35277	35288	35299	35310	35321	35332	35343
	(35267)	AAATAGAATCTCTTCCATTTCTCGTACTACCTCCAGCTTTTTTTGTGCCATATTAAATTATATTTTGTAAAAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 460							
Candidatus Carsonella ruddii strain BT chromosome...	(35344)	35344	35354	35365	35376	35387	35398	35409	35420
	(35344)	TAAACTTTTTTTTTTATAATTTATATTAGTTTTTAAAAAATTTTTCTTCTTTTTTTTTTATAGATATAGATTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 461							
Candidatus Carsonella ruddii strain BT chromosome...	(35421)	35421	35431	35442	35453	35464	35475	35486	35497
	(35421)	TATAAAAATGTTTTTAAATTTATAAAACATGCTTTTAAATTTAAACCTTTTTTATCTAAATTTATTTTTTTATTTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 462							
Candidatus Carsonella ruddii strain BT chromosome...	(35498)	35498	35508	35519	35530	35541	35552	35563	35574
	(35498)	AAAAAAAATATTTTTTTTAAAAAAATTTTTTTACCAATATTTTTATTTATATAATCAACAATTAAAAAATTATTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 463							
Candidatus Carsonella ruddii strain BT chromosome...	(35575)	35575	35585	35596	35607	35618	35629	35640	35651
	(35575)	TTTTGAAAAATAAATTTTTTTTACCTATACAAAAAGATAACAAATTATTTAATTTTATCATTTTTTAAAAATATTATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 464							
Candidatus Carsonella ruddii strain BT chromosome...	(35652)	35652	35662	35673	35684	35695	35706	35717	35728
	(35652)	TTATAATAATTAAAAACACCAAGTTCACCAATTAAAGAACAATCACCTTTTCTATATCCTATTTTTATTAAATAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 465							
Candidatus Carsonella ruddii strain BT chromosome...	(35729)	35729	35739	35750	35761	35772	35783	35794	35805
	(35729)	AAAAATTTTTTTTTTAAATAATTATTTAAAAAGAATAAAAAATTTAATTTTATTTTTTTTTTAATTTAAATAATTAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 466							
Candidatus Carsonella ruddii strain BT chromosome...	(35806)	35806	35816	35827	35838	35849	35860	35871	35882
	(35806)	TTTTAATTTTACCAAATTTTATTAAATTAAAAAACAAATTATTTATAAATTTTTTTTTTAAATTTGATTTTCATATTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 467							
Candidatus Carsonella ruddii strain BT chromosome...	(35883)	35883	35893	35904	35915	35926	35937	35948	35959
	(35883)	AATTTTTACATTTAATTTTAAATTTTTTGTTTTTTAAAGCATTTGATATTTCTAAAAATACAAATTTATTCATATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 468							
Candidatus Carsonella ruddii strain BT chromosome...	(35960)	35960	35970	35981	35992	36003	36014	36025	36036
	(35960)	TTAATTTAAATAAATCAAATTCCTGATAATTTAATCAAGTCTCCTATTAAAAAATGTTGTTTCTTTTAAATATATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 469									
Candidatus Carsonella ruddii strain BT chromosome...	(36037)	36037	36047	36058	36069	36080	36091	36102	36113
Candidatus Carsonella 135557 - 167442nt	(36037)	GAAGTTTTTATACTTAATTCTAAATTATCTACTGATCTAATAAATATAGGATTAATACTTAAAAAATTTTTTTTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 470									
Candidatus Carsonella ruddii strain BT chromosome...	(36114)	36114	36124	36135	36146	36157	36168	36179	36190
Candidatus Carsonella 135557 - 167442nt	(36114)	AATTTTTTTTTGTTTTTTTTTTTCTCTAAACTGAAAAAAAAACATCAAAATATTTTTTTATATAAAATATACAATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 471									
Candidatus Carsonella ruddii strain BT chromosome...	(36191)	36191	36201	36212	36223	36234	36245	36256	36267
Candidatus Carsonella 135557 - 167442nt	(36191)	TAAACATTCTTCAGGTTTAATAATTCCGTCAGTTTCAATATCAAAAAATAAATTTTTTAATTTTTTTATTAAAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 472									
Candidatus Carsonella ruddii strain BT chromosome...	(36268)	36268	36278	36289	36300	36311	36322	36333	36344
Candidatus Carsonella 135557 - 167442nt	(36268)	TTTTTATGTATAAAATAATTTATGTTTTTTAAAGAAGACTTTAAAAAATTAATTTTAATAACTTTTGAATTAAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 473									
Candidatus Carsonella ruddii strain BT chromosome...	(36345)	36345	36355	36366	36377	36388	36399	36410	36421
Candidatus Carsonella 135557 - 167442nt	(36345)	TTTATTAATAATATTATTATTAGTAAATTATAACTAGTATTAATACATTTTCATTAAAAACAAAAAATTATATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 474									
Candidatus Carsonella ruddii strain BT chromosome...	(36422)	36422	36432	36443	36454	36465	36476	36487	36498
Candidatus Carsonella 135557 - 167442nt	(36422)	CTGTTATATTTGCTATTATTATATCTGGATTATAAATAATAATATGTTTATCAGAAAAATATCTTTTGCTTTAACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 475							
Candidatus Carsonella ruddii strain BT chromosome...	(36499)	36499	36509	36520	36531	36542	36553	36564	36575
	(36499)	ATACAAGGTCCTTTTTTTTTTATAATTAAAAAGCAGTTATTGAATTTTAAATTTTATTAAAAATATTATTTATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 476							
Candidatus Carsonella ruddii strain BT chromosome...	(36576)	36576	36586	36597	36608	36619	36630	36641	36652
	(36576)	ATTAATAATTTTAAAGTATTTTCTTTTATACCTTTTATATTAGAAAAATTCAGAATTAATATTAAAAAATTTAACAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 477							
Candidatus Carsonella ruddii strain BT chromosome...	(36653)	36653	36663	36674	36685	36696	36707	36718	36729
	(36653)	ATATTATTTTAAAACTAAAAGTTGTTAAAAAAATAGTTCTTCTTAAAAAATTTCTAAAGAATCACAATATGAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 478							
Candidatus Carsonella ruddii strain BT chromosome...	(36730)	36730	36740	36751	36762	36773	36784	36795	36806
	(36730)	TTAAAAGATTCAATTTTTATTAACTTCTAAAAAAGAAATTTTTTTAAAACTAATTTTATTAAAAAATAATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 479							
Candidatus Carsonella ruddii strain BT chromosome...	(36807)	36807	36817	36828	36839	36850	36861	36872	36883
	(36807)	TTTCTGAAAATTTATCATTTATAAATATCTAAATTTAAATTTTATTAATATTAAATTTAAAAATATTAGGAAGAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 480							
Candidatus Carsonella ruddii strain BT chromosome...	(36884)	36884	36894	36905	36916	36927	36938	36949	36960
	(36884)	TAAAAAATTCCAAATCCATAAAAAATAATTTGTAAATAACCAATTTAAATTGAAAAATTTTACAATTATAATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 481							
Candidatus Carsonella ruddii strain BT chromosome...	(36961)	36961	36971	36982	36993	37004	37015	37026	37037
	(36961)	AATTTTCAAATAAAAAATTTTCAACATAAATTGAATCTCCAGGAGATAAAATAAAAGATGGAAATTTTATTTTTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 482							
Candidatus Carsonella ruddii strain BT chromosome...	(37038)	37038	37048	37059	37070	37081	37092	37103	37114
	(37038)	AAATTAACATATATAAAACCATGTAAAATTTTTGTCTAGAATTTTTCTAGAAATTGAAAAATTCATTCTATAAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 483							
Candidatus Carsonella ruddii strain BT chromosome...	(37115)	37115	37125	37136	37147	37158	37169	37180	37191
	(37115)	AAGATTATCTAATCTTCTTTCTAAAAAATTTATTAAATCTTCACATAAAAAAATTTTTTTGATATTTTTTTATATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 484							
Candidatus Carsonella ruddii strain BT chromosome...	(37192)	37192	37202	37213	37224	37235	37246	37257	37268
	(37192)	TTAATTTAAATTTTTTTTTCAGAAATAATATAATATCTTTTAATTTTTTGTTTAATTCTTAAATTTATACCATAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 485							
Candidatus Carsonella ruddii strain BT chromosome...	(37269)	37269	37279	37290	37301	37312	37323	37334	37345
	(37269)	GATAATTTATTTTGATCAACTCCATGTTCCACCAGGAGTTAATAATGATCTAGATTTAGAAAAAATTTTTTTCTGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 486							
Candidatus Carsonella ruddii strain BT chromosome...	(37346)	37346	37356	37367	37378	37389	37400	37411	37422
	(37346)	AAAAAATCTAAATTTTCTCCTTCTCTCTACATATTTTATTTCTTTTAATTTTCATTAAACTCTTCTTTTTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 487									
Candidatus Carsonella ruddii strain BT chromosome...	(37423)	37423	37433	37444	37455	37466	37477	37488	37499
Candidatus Carsonella 135557 - 167442nt	(37423)	TTTTCTACAACCATTATAAGGTAATGGAGTAATATCTGTTATACTCCTTATATAAAATTCACAAATTATTTATTATTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 488									
Candidatus Carsonella ruddii strain BT chromosome...	(37500)	37500	37510	37521	37532	37543	37554	37565	37576
Candidatus Carsonella 135557 - 167442nt	(37500)	TTAATATTGTTTCTTTTCCAATGCTTATTCCTTTTATATATATATCAACAATTTTATATTTTTTTTATAAGCAAGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 489									
Candidatus Carsonella ruddii strain BT chromosome...	(37577)	37577	37587	37598	37609	37620	37631	37642	37653
Candidatus Carsonella 135557 - 167442nt	(37577)	ATAGATATTTTTTCACTTATTGATTGAGATGCTAAAGATGTACTTTTTTTAGGACCTTTAAACCTAAACACCTGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 490									
Candidatus Carsonella ruddii strain BT chromosome...	(37654)	37654	37664	37675	37686	37697	37708	37719	37730
Candidatus Carsonella 135557 - 167442nt	(37654)	TGAAAACCAACCTATTGTATTTCTTTTAAATCAGTTAAAGTAGAAACAGTATTATTAAAAAGTTGAATTAATATATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 491									
Candidatus Carsonella ruddii strain BT chromosome...	(37731)	37731	37741	37752	37763	37774	37785	37796	37807
Candidatus Carsonella 135557 - 167442nt	(37731)	TTATTCCATAAATTATAATCATATATTTTCATGATTCATTTTTTTTCTAGTTTTTGCATTTGTTTTGTTCTTTGTCC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 492									
Candidatus Carsonella ruddii strain BT chromosome...	(37808)	37808	37818	37829	37840	37851	37862	37873	37884
Candidatus Carsonella 135557 - 167442nt	(37808)	TCTGCAAGGTAATTTGTTTTTATGTCTTAAACTTTTAAACTATTTAAGTTTAAATATTCTTTTAAGATTTTCTTTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 493							
Candidatus Carsonella ruddii strain BT chromosome...	(37885)	37885	37895	37906	37917	37928	37939	37950	37961
	(37885)	TTAACATTTTTAAATCATTTTCTATTGTTAATGTTCTTATAGTATTTATCAATTTTGTTCATATTCATTTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 494							
Candidatus Carsonella ruddii strain BT chromosome...	(37962)	37962	37972	37983	37994	38005	38016	38027	38038
	(37962)	TTTATTAATTTTTGTTTTGAATATTTAATTTTTTACAAATTTTATAGAAGTTTTTATACCTATTCCAAAAATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 495							
Candidatus Carsonella ruddii strain BT chromosome...	(38039)	38039	38049	38060	38071	38082	38093	38104	38115
	(38039)	AGTTATACTAAAAGTAACGTTTTTGTAAGCTTGAATATTTACACCACAAATATTAATTTTCATAATTGTCTTTGTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 496							
Candidatus Carsonella ruddii strain BT chromosome...	(38116)	38116	38126	38137	38148	38159	38170	38181	38192
	(38116)	ATGTTTTTTTAAATAACATATAACGAAAAAATTTTTTTCTTTTTATTATTATACATTTACTACATATTTTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 497							
Candidatus Carsonella ruddii strain BT chromosome...	(38193)	38193	38203	38214	38225	38236	38247	38258	38269
	(38193)	TTGAATTTTTAACTTTTCATATAAAAAAATAATTTTTTTTTATTTTTTTATTTCTTATTTTTTGTTTAAATTTTGG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 498							
Candidatus Carsonella ruddii strain BT chromosome...	(38270)	38270	38280	38291	38302	38313	38324	38335	38346
	(38270)	TTTTCTTTTAAATATATTTGTTTGACCTCCTTCAAATAATTTAGGAATATTGTATCCTGATCTTGATTTTTGTCCTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 499									
Candidatus Carsonella ruddii strain BT chromosome...	(38347)	38347	38357	38368	38379	38390	38401	38412	38423
Candidatus Carsonella 135557 - 167442nt	(38347)	TATGTCCTCTGCCACATGTTTTACCTTTTCCAGAAGAAAAACCTCTTCCAATTCTTTTTTTTTTTGTATTAAAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 500									
Candidatus Carsonella ruddii strain BT chromosome...	(38424)	38424	38434	38445	38456	38467	38478	38489	38500
Candidatus Carsonella 135557 - 167442nt	(38424)	TTAAAAATTTTCGATAATCATTATTTTAAAAATGTTAATGCTTTAATTGTACAAATTGTTACATTAATTGTATTTGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 501									
Candidatus Carsonella ruddii strain BT chromosome...	(38501)	38501	38511	38522	38533	38544	38555	38566	38577
Candidatus Carsonella 135557 - 167442nt	(38501)	GAACCATGAATTTTTGAAAAACACTTTTAATACCAGCAGAAATTAAAACTTGTTTTACAACATTACTACAAATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 502									
Candidatus Carsonella ruddii strain BT chromosome...	(38578)	38578	38588	38599	38610	38621	38632	38643	38654
Candidatus Carsonella 135557 - 167442nt	(38578)	ACCAATTATTTTTGATGCAGGAAACAAATATATTTTTGTTGCAGAATGTTTAGCATATAAAAAATGAGGAATTGAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 503									
Candidatus Carsonella ruddii strain BT chromosome...	(38655)	38655	38665	38676	38687	38698	38709	38720	38731
Candidatus Carsonella 135557 - 167442nt	(38655)	TATTTAATATATTTAATTTTATAATATTATTTCTAGCTTTTAAATATGATTTTTTTATAGATTCTAAAATTTCTCTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 504									
Candidatus Carsonella ruddii strain BT chromosome...	(38732)	38732	38742	38753	38764	38775	38786	38797	38808
Candidatus Carsonella 135557 - 167442nt	(38732)	GATTTACCTCTTCCAATCCAATTAAATAATTTTTATTTCCACAAATAGATGTAGACGTATAAGAAAAAATTCTTCC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 505									
Candidatus Carsonella ruddii strain BT chromosome...	(38809)	38809	38819	38830	38841	38852	38863	38874	38885
Candidatus Carsonella 135557 - 167442nt	(38809)	TCCTTTAACTACTTTTGTAACCTCTATGAATTTTAACCAATCTGTCTTCCATTTTTATTATTAAATAAAATTTATTATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 506									
Candidatus Carsonella ruddii strain BT chromosome...	(38886)	38886	38896	38907	38918	38929	38940	38951	38962
Candidatus Carsonella 135557 - 167442nt	(38886)	TTTTTATAATATCCATTATAATTTTTTTTTATTATATAAAAAATTTTCTTATTAAAAATAATATTATTTTTTTAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 507									
Candidatus Carsonella ruddii strain BT chromosome...	(38963)	38963	38973	38984	38995	39006	39017	39028	39039
Candidatus Carsonella 135557 - 167442nt	(38963)	TTCAAATAAAAAATAAAAAATTTTTTTTTTATTTTTTTATAAAATAAATATTTTTATTATTATAAAATAAATAAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 508									
Candidatus Carsonella ruddii strain BT chromosome...	(39040)	39040	39050	39061	39072	39083	39094	39105	39116
Candidatus Carsonella 135557 - 167442nt	(39040)	AAAAATTTTTTATTTGTTTTTTTTTAAAAATTATTTTCATTGTTTTTTTTTTGAAGATTTTTTTAAATTTGGATTTTCTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 509									
Candidatus Carsonella ruddii strain BT chromosome...	(39117)	39117	39127	39138	39149	39160	39171	39182	39193
Candidatus Carsonella 135557 - 167442nt	(39117)	AAAACATTCCTTTTTTTTTATATGGATTAAATTTTTTTATTTTAAATAATTTATTTACAAAAATACCAATTTTATCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 510									
Candidatus Carsonella ruddii strain BT chromosome...	(39194)	39194	39204	39215	39226	39237	39248	39259	39270
Candidatus Carsonella 135557 - 167442nt	(39194)	TTAAAAACAGATTTTAAACAATTTTTTCTTTAAAAATTTCAATAGTAATATAATTTGGAATTACTAAAATTTTGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 511							
Candidatus Carsonella ruddii strain BT chromosome...	(39271)	39271	39281	39292	39303	39314	39325	39336	39347
	(39271)	ATCAGAAAAACCTAAATTTAAATAAATTTTCATTTTTTTTAAATAAAAAATTTTATATCCAATTCCTGAAAAAAAAAATTG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 512							
Candidatus Carsonella ruddii strain BT chromosome...	(39348)	39348	39358	39369	39380	39391	39402	39413	39424
	(39348)	TTTTTTGCCATAAATTATTTTATACCAATTAATAAATTTTTTATTGTTTTTAAAAAAGAAATTTTCATTTTTTTTTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 513							
Candidatus Carsonella ruddii strain BT chromosome...	(39425)	39425	39435	39446	39457	39468	39479	39490	39501
	(39425)	AAACTTATTGATGATAAAAAAATATTATTTTCTTTTAAATTTAAATTTATATCATTTGGTATTTTTATTTTTTCCAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 514							
Candidatus Carsonella ruddii strain BT chromosome...	(39502)	39502	39512	39523	39534	39545	39556	39567	39578
	(39502)	ATATTTATTTTTTAACAAATAAAAAACCATTTTAAATTTAAACTTTTTCTTTTAAATTTATATTTTTCATAAAATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 515							
Candidatus Carsonella ruddii strain BT chromosome...	(39579)	39579	39589	39600	39611	39622	39633	39644	39655
	(39579)	AACAAATTAATAAACCACTTATTCCAATTTGTTTACATTCTTTTAAAGTTAATAAACCTAAATTTGTATTAATTATAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 516							
Candidatus Carsonella ruddii strain BT chromosome...	(39656)	39656	39666	39677	39688	39699	39710	39721	39732
	(39656)	ATAAAGTTGATTTTAATAAAAAATTATTTATTTTTTTTATTTTAAATTTGAAATTTTTCTTGAAGGTTTAGAAAAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 517							
Candidatus Carsonella ruddii strain BT chromosome...	(39733)	39733	39743	39754	39765	39776	39787	39798	39809
	(39733)	TTAATATAATAAATGTTTTTCACAAAAACAAC TATA TATTTTTTTTTTTTAAATTATTAAAAAAATAATTTTCAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 518							
Candidatus Carsonella ruddii strain BT chromosome...	(39810)	39810	39820	39831	39842	39853	39864	39875	39886
	(39810)	AAAATTATATTCTAAAAATATTTCAAATATTAACATAGTAAATTAGAATAATTACAAAACTTATTTTTTTACCAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 519							
Candidatus Carsonella ruddii strain BT chromosome...	(39887)	39887	39897	39908	39919	39930	39941	39952	39963
	(39887)	AATTATAAGAATTAAAAATTCATTTTACTATCAAAATAATTTTTCATTACCAACTAGATTTTCTAAACCTACAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 520							
Candidatus Carsonella ruddii strain BT chromosome...	(39964)	39964	39974	39985	39996	40007	40018	40029	40040
	(39964)	TATTTCCATATCCGCCTATTTTCTTATTAAATTTCTATTTAAATAAAATTTACTATAAACACTTCTGTTTCTACCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 521							
Candidatus Carsonella ruddii strain BT chromosome...	(40041)	40041	40051	40062	40073	40084	40095	40106	40117
	(40041)	CTTATGTAACATCTTTTTTTAAATTTAACAATAATTTTTTTTTTTTAAATTAATAATTTAAATAATTTTCTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 522							
Candidatus Carsonella ruddii strain BT chromosome...	(40118)	40118	40128	40139	40150	40161	40172	40183	40194
	(40118)	AGAAGAATTTAAAAATAAATTTTGTTTTATTTTTATAATTTTTTAATATTAAATAAACTTTTCTTATAAATTATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 523							
Candidatus Carsonella ruddii strain BT chromosome...	(40195)	40195	40205	40216	40227	40238	40249	40260	40271
	(40195)	TATTTTTTAAAAATCAAACCTTTTTTTTGCCATTTTATTTTATAGGAAAAATTAATTATTTTATAAAAAATTTTAAAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 524							
Candidatus Carsonella ruddii strain BT chromosome...	(40272)	40272	40282	40293	40304	40315	40326	40337	40348
	(40272)	GTTTTTTAAATTTTAAACAATAATACTAATATTAAAAACCAATATTAAATTCTTTATAAAAAATCAGGAAAAACTGATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 525							
Candidatus Carsonella ruddii strain BT chromosome...	(40349)	40349	40359	40370	40381	40392	40403	40414	40425
	(40349)	TATCAGTTATACCAAATGAATATTACCAAATCTATCAATTGATGTTTCATTTATTCCTTTAAATTCTTTTATTCTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 526							
Candidatus Carsonella ruddii strain BT chromosome...	(40426)	40426	40436	40447	40458	40469	40480	40491	40502
	(40426)	GGTATAACAACACAAATTAATTTATGATAAAATTCCACATTTTATTTTCTTAATGTTGTATAAACTCCAGCAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 527							
Candidatus Carsonella ruddii strain BT chromosome...	(40503)	40503	40513	40524	40535	40546	40557	40568	40579
	(40503)	TTCACCAATCTTAGATTTAAATTTAGAAATAGATTTTAAATTTTAGAAAAAACTGGTTTTTGTCCAGATATATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 528							
Candidatus Carsonella ruddii strain BT chromosome...	(40580)	40580	40590	40601	40612	40623	40634	40645	40656
	(40580)	CTATAGAATCAAAAACATTTTAAATAAATATTTTATCTTTATTGTTTTTGTACACCAGAATGTATTATTATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 529									
Candidatus Carsonella ruddii strain BT chromosome...	(40657)	40657	40667	40678	40689	40700	40711	40722	40733
Candidatus Carsonella 135557 - 167442nt	(40657)	TCTAATTTTATATTATAAAATTTTGTGTTTTTAAAGAAAATTCTTCTATTTTAAATTTATATAAAATTCATACTAATTCA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 530									
Candidatus Carsonella ruddii strain BT chromosome...	(40734)	40734	40744	40755	40766	40777	40788	40799	40810
Candidatus Carsonella 135557 - 167442nt	(40734)	TTTGATAATGATAATAATTTTTTAAATGAAAAATTTAATTTCTCTAGCTAAACAACCGAAAACACGCGTTCCAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 531									
Candidatus Carsonella ruddii strain BT chromosome...	(40811)	40811	40821	40832	40843	40854	40865	40876	40887
Candidatus Carsonella 135557 - 167442nt	(40811)	CATTTGTTTATTATTATTTAATAATAGAACCGCATTATCACTAAAACGTAAATAAGTACCATCTTGTCTTCTATAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 532									
Candidatus Carsonella ruddii strain BT chromosome...	(40888)	40888	40898	40909	40920	40931	40942	40953	40964
Candidatus Carsonella 135557 - 167442nt	(40888)	GAAATTTAGTTCTAACTATAATAGCATTTAATACTTGACCTTTTTTAACTTTAGAATTAAAATTTGAACTTTTAACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 533									
Candidatus Carsonella ruddii strain BT chromosome...	(40965)	40965	40975	40986	40997	41008	41019	41030	41041
Candidatus Carsonella 135557 - 167442nt	(40965)	ACTACTTTAATTATATCTCCAATTTTAGCAAAAAATTTTTTTGAACCATTTAAACCTTTTATACATTTAACAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 534									
Candidatus Carsonella ruddii strain BT chromosome...	(41042)	41042	41052	41063	41074	41085	41096	41107	41118
Candidatus Carsonella 135557 - 167442nt	(41042)	TCCACCACCTATTATCAATAACTTTTAATTTAGTTTGTTCTTGATCATATTAATTTTACTTTTTCAATAATTTTGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 535							
Candidatus Carsonella ruddii strain BT chromosome...	(41119)	41119	41129	41140	41151	41162	41173	41184	41195
	(41119)	TACTATCCAAAAAATTGTTTTAGTTAAAGGTCTAGATTTTGTTACAATAATATAATCTCCAATATTTGTTTCATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 536							
Candidatus Carsonella ruddii strain BT chromosome...	(41196)	41196	41206	41217	41228	41239	41250	41261	41272
	(41196)	AAATGTCATATGATATTAATTTTTTATAATAAAAAATTCCTTTATTTAAAAATAGGTAAAAATATAACTTTTTTTAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 537							
Candidatus Carsonella ruddii strain BT chromosome...	(41273)	41273	41283	41294	41305	41316	41327	41338	41349
	(41273)	ATAATAATAATTTTTTTAAATTTTTTTTTTAATAACTCTTCCAAATGTTTTATTCATAACAAATTTTCAGTTTTAATAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 538							
Candidatus Carsonella ruddii strain BT chromosome...	(41350)	41350	41360	41371	41382	41393	41404	41415	41426
	(41350)	ATAATTTTTTGAGCGGCACAAAAAACGATTTTTTTTACAATATCAAAATTTTCATATTTAACTTCAAAAATAATTATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 539							
Candidatus Carsonella ruddii strain BT chromosome...	(41427)	41427	41437	41448	41459	41470	41481	41492	41503
	(41427)	CCAGGTTTAATAACAGATACCCAATCATGTATATTTCCCTTACCTTTACCCATTCTAACTTCTAAAGGTTTTTTAGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 540							
Candidatus Carsonella ruddii strain BT chromosome...	(41504)	41504	41514	41525	41536	41547	41558	41569	41580
	(41504)	AATTACTTTATCTGGAAAAATTCATAAGAATTTTATTATTTTCCCTAAATTATGAACTAAAGATTTTCTAGCAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 541							
Candidatus Carsonella ruddii strain BT chromosome...	(41581)	41581	41591	41602	41613	41624	41635
Candidatus Carsonella 135557 - 167442nt	(41581)	ATTCAATCTGCTTAAATTTAAAAATCCGTTATCTAATGATTTTAATCCATAATTACCAAAAAATTAAAAATTTTCTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 542							
Candidatus Carsonella ruddii strain BT chromosome...	(41658)	41658	41668	41679	41690	41701	41712
Candidatus Carsonella 135557 - 167442nt	(41658)	TTACAAGAAAAACCTTTATTTCTATTTTTTTTGATATTTTAAAAATTTTAATTGATTAGGTTTTTGTTTCATATTTTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 543							
Candidatus Carsonella ruddii strain BT chromosome...	(41735)	41735	41745	41756	41767	41778	41789
Candidatus Carsonella 135557 - 167442nt	(41735)	TATTTTTTTTATTTATTAAAAATCCAAGTTTTAATACCTAAAAATACCATATTGTGATATAAATTCACAAAAATAATAA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 544							
Candidatus Carsonella ruddii strain BT chromosome...	(41812)	41812	41822	41833	41844	41855	41866
Candidatus Carsonella 135557 - 167442nt	(41812)	TCTAATTTACATCTAATTGTATGTAATGGTATACTACCAAATAAATACCATTCTTTTCTAGCTATATCTACTCCTTC					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 545							
Candidatus Carsonella ruddii strain BT chromosome...	(41889)	41889	41899	41910	41921	41932	41943
Candidatus Carsonella 135557 - 167442nt	(41889)	TAATCTTCCACTTATTTGAACCTTTACATCCATTAAATTGTTTATTAAATTTTAATATTTCTTTTTTTATAATTCTTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 546							
Candidatus Carsonella ruddii strain BT chromosome...	(41966)	41966	41976	41987	41998	42009	42020
Candidatus Carsonella 135557 - 167442nt	(41966)	TTGTAGATGATTTATTATCTAATTGATTTAATATATTTTAAAGATAATAATTTAGCATTTATAAATTCTTCTAAACAA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					

Section 547									
Candidatus Carsonella ruddii strain BT chromosome...	(42043)	42043	42053	42064	42075	42086	42097	42108	42119
Candidatus Carsonella 135557 - 167442nt	(42043)	AAATTAATAATAATATTTATTTTTTAAAATTTTAGAAAAATTCTAAAATAAAAAAATCAATATAAAAAATAAAAAATCTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 548									
Candidatus Carsonella ruddii strain BT chromosome...	(42120)	42120	42130	42141	42152	42163	42174	42185	42196
Candidatus Carsonella 135557 - 167442nt	(42120)	AATTTTTTCTAAATCATTTAAATATATATTTAATTTTAAAAAATTTGAAATAATTATATCTATACAACCTTATATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 549									
Candidatus Carsonella ruddii strain BT chromosome...	(42197)	42197	42207	42218	42229	42240	42251	42262	42273
Candidatus Carsonella 135557 - 167442nt	(42197)	TAAAAAAAAAATTTTTTTTTTAAAATTTCTTTTATTAAAAATATTAATTCCTAATTTTTTTTGAATATTTTTTTTTTGTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 550									
Candidatus Carsonella ruddii strain BT chromosome...	(42274)	42274	42284	42295	42306	42317	42328	42339	42350
Candidatus Carsonella 135557 - 167442nt	(42274)	TCATACCATAAACTGTTATAACAAACAGATTTTCCTAAACGAAAAAAAAATAGGATTAATTTTTTTTACCCATAAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 551									
Candidatus Carsonella ruddii strain BT chromosome...	(42351)	42351	42361	42372	42383	42394	42405	42416	42427
Candidatus Carsonella 135557 - 167442nt	(42351)	CATTTATTATAATATTTGAATATCTTTTAATAATAAAATTTATTCTTCCTTTAGCTCTAAAATTTATTTTTTTTTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 552									
Candidatus Carsonella ruddii strain BT chromosome...	(42428)	42428	42438	42449	42460	42471	42482	42493	42504
Candidatus Carsonella 135557 - 167442nt	(42428)	ATTAAACTTTTTCTACTAAAAATTGTTTTATAAAAAACATTAGTAGTTTTACAATTATTAATAATTAATTAACAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 553									
Candidatus Carsonella ruddii strain BT chromosome...	(42505)	42505	42515	42526	42537	42548	42559	42570	42581
Candidatus Carsonella 135557 - 167442nt	(42505)	TTGTTTTAAATAAAAAATCTATTTTTTTTTTAAAAAAATATTATTTATATAAAATAATATAGGTTTGTTAGATAAAAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 554									
Candidatus Carsonella ruddii strain BT chromosome...	(42582)	42582	42592	42603	42614	42625	42636	42647	42658
Candidatus Carsonella 135557 - 167442nt	(42582)	TAGAATATAAACTTAATTTTTTGTAAAGAAATAGGAATAAAATTCCATTTTAAATTTAAAAATTATTTAACATTTTTTATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 555									
Candidatus Carsonella ruddii strain BT chromosome...	(42659)	42659	42669	42680	42691	42702	42713	42724	42735
Candidatus Carsonella 135557 - 167442nt	(42659)	TTTAATTTTTTTTTGTATGTGATTTAAAATTTCTTGTAAGAAAATTCCTAATTTATGTCCAATCATGTTTTTCGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 556									
Candidatus Carsonella ruddii strain BT chromosome...	(42736)	42736	42746	42757	42768	42779	42790	42801	42812
Candidatus Carsonella 135557 - 167442nt	(42736)	TTATATAAACTTTAATAAAATCTTTTTCCATTATGAACATATATTGTAAAATCAACCATATCAGGTATGATTGTAGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 557									
Candidatus Carsonella ruddii strain BT chromosome...	(42813)	42813	42823	42834	42845	42856	42867	42878	42889
Candidatus Carsonella 135557 - 167442nt	(42813)	TTTCTAGACCAAGTTTTTATATTATTTTTAGAAAATTTAAAAATAATGATTTATTTATAAAAAATTCCTTTTTTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 558									
Candidatus Carsonella ruddii strain BT chromosome...	(42890)	42890	42900	42911	42922	42933	42944	42955	42966
Candidatus Carsonella 135557 - 167442nt	(42890)	TGATCTAATCATTTTTTTAGTTTTATATCCTTTTGATTTTTTTTCCTTTAGGAGAACAAAGGATGTCTACCACCACTAGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 559							
Candidatus Carsonella ruddii strain BT chromosome...	(42967)	42967	42977	42988	42999	43010	43021	43032	43043
	(42967)	TTTACCTTCTCCACCACCTAATGGATGATCGACTGGATTTCATCGCAACACCTCTTACTGTAGGTCTAATTCCTTTCC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 560							
Candidatus Carsonella ruddii strain BT chromosome...	(43044)	43044	43054	43065	43076	43087	43098	43109	43120
	(43044)	ATCTATTTTGACCAGCTTTATATAATTTTTTTTATGTTTATTAAAAATTTTCCTAATGTAGCCATACAATTTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 561							
Candidatus Carsonella ruddii strain BT chromosome...	(43121)	43121	43131	43142	43153	43164	43175	43186	43197
	(43121)	GATATTTTATTTTTTTGAAAGATGAAAGTTTTAAAAATACAATATTTACTATCTTTAAAAATTAATTCAGAGTTTGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 562							
Candidatus Carsonella ruddii strain BT chromosome...	(43198)	43198	43208	43219	43230	43241	43252	43263	43274
	(43198)	TCCGGAACCTCTAGAAAAAATTGCTCCAGATTGAGGCTTTTTTCTATACAATTTAAAAAAGAACCTATTGGAAAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 563							
Candidatus Carsonella ruddii strain BT chromosome...	(43275)	43275	43285	43296	43307	43318	43329	43340	43351
	(43275)	TTTTTATTCTGGTAGAATTACCAGAATTGAAAACAGGATTATTTATACTTGAAATTATTTGATCATTATATAAACATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 564							
Candidatus Carsonella ruddii strain BT chromosome...	(43352)	43352	43362	43373	43384	43395	43406	43417	43428
	(43352)	TCATTAGTTCTTAATATATATCTATATTCTCCATCTAAATATTTTAATAAAGCTAAATCAACATTTCTATTTGGGTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 565									
Candidatus Carsonella ruddii strain BT chromosome...	(43429)	43429	43439	43450	43461	43472	43483	43494	43505
Candidatus Carsonella 135557 - 167442nt	(43429)	ATAATCAAATCTTATTATTTTTGAAGGTATATCAAATTTATTTCTTAAAAAATCTATTTTTCTATACAATTTTTTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 566									
Candidatus Carsonella ruddii strain BT chromosome...	(43506)	43506	43516	43527	43538	43549	43560	43571	43582
Candidatus Carsonella 135557 - 167442nt	(43506)	GTTTATTTCCAATATGTCTTACTGAAATTTTACCATGACTTCTTCCAGAATTTTGTTTTTTAAAAAACACATTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 567									
Candidatus Carsonella ruddii strain BT chromosome...	(43583)	43583	43593	43604	43615	43626	43637	43648	43659
Candidatus Carsonella 135557 - 167442nt	(43583)	TTAAAAATATTCATTTAAAAATATTATTTATTAAATAAAAAAAGATTTTTTTTCAATAAAGATTATTTCAAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 568									
Candidatus Carsonella ruddii strain BT chromosome...	(43660)	43660	43670	43681	43692	43703	43714	43725	43736
Candidatus Carsonella 135557 - 167442nt	(43660)	AAAAAATCATAAACTGATATTTTTTTTAATATCTTTAAAAAACAATTATTTAAATTATTAAAAATTAAATTTTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 569									
Candidatus Carsonella ruddii strain BT chromosome...	(43737)	43737	43747	43758	43769	43780	43791	43802	43813
Candidatus Carsonella 135557 - 167442nt	(43737)	ATTTCTAAAAATAAAAAATAAAAAACAACAAATTTTTTTTCATAAATATAAATTTTATTATTTATTAAAAATAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 570									
Candidatus Carsonella ruddii strain BT chromosome...	(43814)	43814	43824	43835	43846	43857	43868	43879	43890
Candidatus Carsonella 135557 - 167442nt	(43814)	ATAAATTTTCAAATATTTTTTTTAATATTTTTTTTTTTTTTTAGAAAATAAATAATTTGAAAAAGTTACTCCACCACCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 571									
Candidatus Carsonella ruddii strain BT chromosome...	(43891)	43891	43901	43912	43923	43934	43945	43956	43967
Candidatus Carsonella 135557 - 167442nt	(43891)	CTCCAAATTGGAGATTTTTTATCTCCAGCTCTTGCTCTTCCAGTACCTTTTTGAGGCCAAGGTTTTTTTCCACTTCC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 572									
Candidatus Carsonella ruddii strain BT chromosome...	(43968)	43968	43978	43989	44000	44011	44022	44033	44044
Candidatus Carsonella 135557 - 167442nt	(43968)	TTTTACCAATCTTTTATTTTTTTTAAATTTTTTTGTTTAATTTTATTTTTTAAAAAATATAAATTAAATTTATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 573									
Candidatus Carsonella ruddii strain BT chromosome...	(44045)	44045	44055	44066	44077	44088	44099	44110	44121
Candidatus Carsonella 135557 - 167442nt	(44045)	TTAATTCTTTTATATAAATATTTAAATATTTAGGTAAAAAACTAAAAATGGGTAGTTTCATAATATTTTTCCATATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 574									
Candidatus Carsonella ruddii strain BT chromosome...	(44122)	44122	44132	44143	44154	44165	44176	44187	44198
Candidatus Carsonella 135557 - 167442nt	(44122)	TAAATCATTTTTTTTACCAGGTAATATTTTTGAAAAATAAAAAATAATTTTTATTTCTTAAAAAATTTTTAAATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 575									
Candidatus Carsonella ruddii strain BT chromosome...	(44199)	44199	44209	44220	44231	44242	44253	44264	44275
Candidatus Carsonella 135557 - 167442nt	(44199)	GTAGAAAAAATAATATCACCCATTTTTCCAGGCATTTTTTCCCTTTAAAAACTTTGCCAGGATCTTGACATTGTCC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 576									
Candidatus Carsonella ruddii strain BT chromosome...	(44276)	44276	44286	44297	44308	44319	44330	44341	44352
Candidatus Carsonella 135557 - 167442nt	(44276)	AGTAGATCCCATAGTTCTATATGATAAAGAACAGCCATGACTTTTATCTTTTGTTTTAAACCCCATTTTTTTATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 577						
Candidatus Carsonella ruddii strain BT chromosome...	(44353)	44353	44363	44374	44385	44396	44407	44418 44429
	(44353)	CTCCTTGAAAACCTTTACCATTACTTATAGATTTTAAATAAAAGATAATTAAAAGAAAAATTTAATAAAATTTTGTTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 578						
Candidatus Carsonella ruddii strain BT chromosome...	(44430)	44430	44440	44451	44462	44473	44484	44495 44506
	(44430)	AAATTAATATATTTTATTATATTTAATAATATTTTTTTTATTAATAAAAAATTGTTTAATTCCTTTATTAATGAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 579						
Candidatus Carsonella ruddii strain BT chromosome...	(44507)	44507	44517	44528	44539	44550	44561	44572 44583
	(44507)	AATCATAAAAACAAATAATTTAATAATAAACCATCTATATTTCTATTTTTAAAAAGAAAATTTATTAAGTTTAAATC						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 580						
Candidatus Carsonella ruddii strain BT chromosome...	(44584)	44584	44594	44605	44616	44627	44638	44649 44660
	(44584)	AAAATTTTTAATAAAAAAAAAAACTTTAAATATTTAATTTGTATTTGATCTCTTGCATTTTTATCAACGTGTGGTG						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 581						
Candidatus Carsonella ruddii strain BT chromosome...	(44661)	44661	44671	44682	44693	44704	44715	44726 44737
	(44661)	AAACTAATAAAGTAAATTTTTCAATTTTTTTAGGCATATAAAATGGACCAATTATCTTATATTTTTTTTTTATATTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 582						
Candidatus Carsonella ruddii strain BT chromosome...	(44738)	44738	44748	44759	44770	44781	44792	44803 44814
	(44738)	TTTAATAAAAAAAAAATAAAAAAGATTTTATCTTAAAAAAAAAAAAATGATTTAATAATAATTTTAATCATTTAATATTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

Section 583									
Candidatus Carsonella ruddii strain BT chromosome...	(44815)	44815	44825	44836	44847	44858	44869	44880	44891
Candidatus Carsonella 135557 - 167442nt	(44815)	TAGTAACTATTCCGGCACCAACAGTTTTTCCACCTTCTCTAATAGCAAATCTTAAACCAGCTTCTATCGCTATAGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 584									
Candidatus Carsonella ruddii strain BT chromosome...	(44892)	44892	44902	44913	44924	44935	44946	44957	44968
Candidatus Carsonella 135557 - 167442nt	(44892)	GAAAGCAACGAAACATTTAATTTAATATTATCTCCAGGTAATACCATTTCACAGAAGAAGGTAGTTTACAAATACC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 585									
Candidatus Carsonella ruddii strain BT chromosome...	(44969)	44969	44979	44990	45001	45012	45023	45034	45045
Candidatus Carsonella 135557 - 167442nt	(44969)	AGTAACATCTGTTGTTCTAAAATAAAATTGAGGTTTATATCCATTAAAAAATGGTGTGTGTCTTCCACCTTCTTCTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 586									
Candidatus Carsonella ruddii strain BT chromosome...	(45046)	45046	45056	45067	45078	45089	45100	45111	45122
Candidatus Carsonella 135557 - 167442nt	(45046)	TAGATAATATATATACTTCACATTCAAATAATTAGTATATGATTTTATACTTCCAAGTTTAGCAACAACCTTGACCTCTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 587									
Candidatus Carsonella ruddii strain BT chromosome...	(45123)	45123	45133	45144	45155	45166	45177	45188	45199
Candidatus Carsonella 135557 - 167442nt	(45123)	TCTACTTCTTCTCTTTTACACTTCTTAATAAAATTCCAACATTTTCTCCAGCTATTCCTTCTTCTAAAGTTTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 588									
Candidatus Carsonella ruddii strain BT chromosome...	(45200)	45200	45210	45221	45232	45243	45254	45265	45276
Candidatus Carsonella 135557 - 167442nt	(45200)	AAACATTTCTATACCAGTAATTGTTGTTTTTAAAGTTGGTTTTAATCCAACAATTTCTATTTCTTCACCATTTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 589									
Candidatus Carsonella ruddii strain BT chromosome...	(45277)	45277	45287	45298	45309	45320	45331	45342	45353
Candidatus Carsonella 135557 - 167442nt	(45277)	CAATACCTCTTTCAATTTTACCAGTTACAACAGTTCCTCTACCTGATATAGAAAATACATCTTCAATTGGCATTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 590									
Candidatus Carsonella ruddii strain BT chromosome...	(45354)	45354	45364	45375	45386	45397	45408	45419	45430
Candidatus Carsonella 135557 - 167442nt	(45354)	AAAGGTTGATCTGTAATTCTATTTGGAACAGGAATATTTTTATCTAATACATTTAACAAATTTTTATTGATGTAGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 591									
Candidatus Carsonella ruddii strain BT chromosome...	(45431)	45431	45441	45452	45463	45474	45485	45496	45507
Candidatus Carsonella 135557 - 167442nt	(45431)	TCCTAATTGATTATCATCTTTTCCTTCTAATGCTAATAATGCAGATCCTATTATAATTTTAACATTATTACCATCAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 592									
Candidatus Carsonella ruddii strain BT chromosome...	(45508)	45508	45518	45529	45540	45551	45562	45573	45584
Candidatus Carsonella 135557 - 167442nt	(45508)	AATCATATTCTGATAACAATTCTCTTATCTCCATTTCAACTAAATCTAAAAGTTCTTTATCTTGAACACAATCAGCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 593									
Candidatus Carsonella ruddii strain BT chromosome...	(45585)	45585	45595	45606	45617	45628	45639	45650	45661
Candidatus Carsonella 135557 - 167442nt	(45585)	TTATTTTAAAAAACAATTATATTAGGAACACCTACTTGTCTTGCTAAAAGAATATGCTCTCTTGTGTTGAGGCATAGG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 594									
Candidatus Carsonella ruddii strain BT chromosome...	(45662)	45662	45672	45683	45694	45705	45716	45727	45738
Candidatus Carsonella 135557 - 167442nt	(45662)	ACCATCGATAGCTGAACACACTAAAATTGCTCCATCCATTTGTGCTGCTCCTGTTATCATATTTTAATATAATCAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 595							
Candidatus Carsonella ruddii strain BT chromosome...	(45739)	45739	45749	45760	45771	45782	45793	45804	45815
	(45739)	CATGACCAGGACAATCTACATGAGCATAATGTTTAGTATCAGATTCATATTCTACATGAGAAGTAGAAATAGTTATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 596							
Candidatus Carsonella ruddii strain BT chromosome...	(45816)	45816	45826	45837	45848	45859	45870	45881	45892
	(45816)	CCTCTTTCTTTTCTTCTGGAGCATTATCAATGCTATCAAAAGCTCTAATTTCTCCTCCATAAATTTCTGAAGATAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 597							
Candidatus Carsonella ruddii strain BT chromosome...	(45893)	45893	45903	45914	45925	45936	45947	45958	45969
	(45893)	TTTAGTTAAAGCAGCAGTTAAAGTTGTTTTACCATGATCAACATGTCCTATTGTTCCAACATTAATATGTATTTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 598							
Candidatus Carsonella ruddii strain BT chromosome...	(45970)	45970	45980	45991	46002	46013	46024	46035	46046
	(45970)	TTCTATTAAATTTTATTTTAGCCATATTTTAAATTATTTTAAATTATTTTTCAACTATATAATTTGGAAGTTCATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 599							
Candidatus Carsonella ruddii strain BT chromosome...	(46047)	46047	46057	46068	46079	46090	46101	46112	46123
	(46047)	ATAATTATGAAATTCATATTATAAAGTCTGCTCTACCTTTTGTATTAGATCTTAATTCAGTAGAATAACCAATAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 600							
Candidatus Carsonella ruddii strain BT chromosome...	(46124)	46124	46134	46145	46156	46167	46178	46189	46200
	(46124)	CTCTTAAAGGTAAAAACGAATTGATAACTTTAAATTTATTATAATCTATAACATTATTTATAATACCTCTTTTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 601							
Candidatus Carsonella ruddii strain BT chromosome...	(46201)	46201	46211	46222	46233	46244	46255	46266	46277
	(46201)	TTAATATCTGCAACAACAATTCTTAAATATTCAGGTAAATTAACCTTCTACTTTCATAATAGGTTCAAGAACATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 602							
Candidatus Carsonella ruddii strain BT chromosome...	(46278)	46278	46288	46299	46310	46321	46332	46343	46354
	(46278)	AGAATTTGCTTTAATTAAACCTTCTTTTATTGCTATAGAAGAAGCTGCTTTAAAAGCATATTCACCTGAATCAACAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 603							
Candidatus Carsonella ruddii strain BT chromosome...	(46355)	46355	46365	46376	46387	46398	46409	46420	46431
	(46355)	AATGATAAGAACCATCTAAAACACTTATTTTAATTTTTATTACTGGATAACCGAGTATTACTCCTTGATTTAATTGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 604							
Candidatus Carsonella ruddii strain BT chromosome...	(46432)	46432	46442	46453	46464	46475	46486	46497	46508
	(46432)	TGAATTACTCCTTTTTCAATAGAAGGAATATATTCTTTTGGTATAGATCCACCAATTATTTTCAGATTTAAAAATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 605							
Candidatus Carsonella ruddii strain BT chromosome...	(46509)	46509	46519	46530	46541	46552	46563	46574	46585
	(46509)	ATTTTCTTCTTTATCAAAAGATATTGGTTCTAATTTTAAAAAAACATGACCGTATTGTCCTTTTCCTCCAGATTGTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 606							
Candidatus Carsonella ruddii strain BT chromosome...	(46586)	46586	46596	46607	46618	46629	46640	46651	46662
	(46586)	TTATATATTTTCTTCTTGAATTATTGTTTTTTTTTATACTTTCTTTATAAGAACTTGAGGTTTGCTAATTTTAGTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 607									
Candidatus Carsonella ruddii strain BT chromosome...	(46663)	46663	46673	46684	46695	46706	46717	46728	46739
Candidatus Carsonella 135557 - 167442nt	(46663)	TTTATATTATAATCTCTATTAAATTCTATCTACAATAATTTCTAAATGTAATTCTCCCATTCCTGAAATAAGAGTTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 608									
Candidatus Carsonella ruddii strain BT chromosome...	(46740)	46740	46750	46761	46772	46783	46794	46805	46816
Candidatus Carsonella 135557 - 167442nt	(46740)	TCCTGTTAAATTATTATTATTTAAATTAAGATGGATCTTCTTTACAAATTTTTGTATTATATTTAATAATTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 609									
Candidatus Carsonella ruddii strain BT chromosome...	(46817)	46817	46827	46838	46849	46860	46871	46882	46893
Candidatus Carsonella 135557 - 167442nt	(46817)	CTTGATCATTTTTTAAATATTGGTTCTATTGAAATTGAAATTACAGGTATTGGTATATTAATTTTTTCTAATTGAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 610									
Candidatus Carsonella ruddii strain BT chromosome...	(46894)	46894	46904	46915	46926	46937	46948	46959	46970
Candidatus Carsonella 135557 - 167442nt	(46894)	TTTTCATTTTAAAGAACAAGTGTATCACCAGTTGTAGATTCTTTTAATCCTATTAAAACAACAATATCACCACAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 611									
Candidatus Carsonella ruddii strain BT chromosome...	(46971)	46971	46981	46992	47003	47014	47025	47036	47047
Candidatus Carsonella 135557 - 167442nt	(46971)	TGCTTTATTAATATCTTTTTTAGAATTTGCAACATTCTTATAATTCTAAAAATTTTTCTTTAATTTTTTTTGTAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 612									
Candidatus Carsonella ruddii strain BT chromosome...	(47048)	47048	47058	47069	47080	47091	47102	47113	47124
Candidatus Carsonella 135557 - 167442nt	(47048)	AATTATAAATAATGTCACCACCTTTTAATTGAACCAGAATAAATCTTATAAAAGATAATGAACCTAAAAATGGATCA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 613									
Candidatus Carsonella ruddii strain BT chromosome...	(47125)	47125	47135	47146	47157	47168	47179	47190	47201
Candidatus Carsonella 135557 - 167442nt	(47125)	TTATGTATTTTAAACAATAAAGATAAAAAATTTTTTATTAAATAGATACATTAAAATTTAAATTATTACATCCTTTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 614									
Candidatus Carsonella ruddii strain BT chromosome...	(47202)	47202	47212	47223	47234	47245	47256	47267	47278
Candidatus Carsonella 135557 - 167442nt	(47202)	TCCTATATCAATCGGAGAAGGTAAAAAATTACAAATACTATTTAATAAATATTCTATACCTTTATTTTTTAAAGAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 615									
Candidatus Carsonella ruddii strain BT chromosome...	(47279)	47279	47289	47300	47311	47322	47333	47344	47355
Candidatus Carsonella 135557 - 167442nt	(47279)	AACCACACATAATTGGTATAATTTTATTATTATAACTAAATTTCTGATAGATTTTTTAATATCTAATAAATTAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 616									
Candidatus Carsonella ruddii strain BT chromosome...	(47356)	47356	47366	47377	47388	47399	47410	47421	47432
Candidatus Carsonella 135557 - 167442nt	(47356)	TCATTATTTATATATTTTAATTAAAAATTCCTTCATCATTATTAGATAACAATTCTAACAAATAATTTCTATAAAAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 617									
Candidatus Carsonella ruddii strain BT chromosome...	(47433)	47433	47443	47454	47465	47476	47487	47498	47509
Candidatus Carsonella 135557 - 167442nt	(47433)	TGCAATTTTAAATATTCATTATTTATATTTTCTATATATAAAATATTATTTTTCCAAATGTTAATTTTCATTCTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 618									
Candidatus Carsonella ruddii strain BT chromosome...	(47510)	47510	47520	47531	47542	47553	47564	47575	47586
Candidatus Carsonella 135557 - 167442nt	(47510)	TTATATCAATAAATCCTAAAAAATTATTTTCTGAACCTATATTAAAATTTAAAGGTGCTAAAACACAATTAAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 619									
Candidatus Carsonella ruddii strain BT chromosome...	(47587)	47587	47597	47608	47619	47630	47641	47652	47663
Candidatus Carsonella 135557 - 167442nt	(47587)	TTTTTAATATTATCTATACAATTTTTATAATTTGCTCCTATTCTATCCATTTTATTAACAAATAAAATTTTGGTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 620									
Candidatus Carsonella ruddii strain BT chromosome...	(47664)	47664	47674	47685	47696	47707	47718	47729	47740
Candidatus Carsonella 135557 - 167442nt	(47664)	TTTATATTTTTGAGATTGTAACCAAACGGTTTCAGTTTGTGGTTGAATTCCAGAAGATGCACATACAATTATTACAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 621									
Candidatus Carsonella ruddii strain BT chromosome...	(47741)	47741	47751	47762	47773	47784	47795	47806	47817
Candidatus Carsonella 135557 - 167442nt	(47741)	CCCCATCTAATACTCTTAATGATCTTTCAACTTCAATAGTAAATCAACATGTCCTGGAGTATCTATTATATTTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 622									
Candidatus Carsonella ruddii strain BT chromosome...	(47818)	47818	47828	47839	47850	47861	47872	47883	47894
Candidatus Carsonella 135557 - 167442nt	(47818)	ATATATTGTATATCATTTATTTTCCAATATATTGTTACTGATGCTGATGTTATTGTTATTCCTCTTTCTTGTTCTTG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 623									
Candidatus Carsonella ruddii strain BT chromosome...	(47895)	47895	47905	47916	47927	47938	47949	47960	47971
Candidatus Carsonella 135557 - 167442nt	(47895)	TTTCATCCAATCAGTAACAGTATTTCCATGATGTACTTCTCCTATTTTATGTGAAACTCCTGAGTAAACAATATTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 624									
Candidatus Carsonella ruddii strain BT chromosome...	(47972)	47972	47982	47993	48004	48015	48026	48037	48048
Candidatus Carsonella 135557 - 167442nt	(47972)	TTTCTGTAGTAGTAGTTTTTCCAGCATCTACATGTGCTATTATACCTATATTTCTTAAATATAAAATATTATTTCATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 625									
Candidatus Carsonella ruddii strain BT chromosome...	(48049)	48049	48059	48070	48081	48092	48103	48114	48125
Candidatus Carsonella 135557 - 167442nt	(48049)	TTTTAAAATTAGAATAAGCTTTATTTTGTTCTGAAATTTTTAAAATATTTCTTTTTGTTTTGTTGATAAAGAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 626									
Candidatus Carsonella ruddii strain BT chromosome...	(48126)	48126	48136	48147	48158	48169	48180	48191	48202
Candidatus Carsonella 135557 - 167442nt	(48126)	TTATAATAAGTATCTATCATTTACCTACTAATTTATTTTTAAAACCATTTTCATTTCTTTTTCTTGAATTAAACAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 627									
Candidatus Carsonella ruddii strain BT chromosome...	(48203)	48203	48213	48224	48235	48246	48257	48268	48279
Candidatus Carsonella 135557 - 167442nt	(48203)	AATCCATTTTCATTGCAAACATTAAACTTCTTTTAAATTTATTTTAAAAGGGATATTATAATTCATTCTCTCTATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 628									
Candidatus Carsonella ruddii strain BT chromosome...	(48280)	48280	48290	48301	48312	48323	48334	48345	48356
Candidatus Carsonella 135557 - 167442nt	(48280)	TTCTTTTTTTTAATTTCAAATATTGGTTGAACATTTAATAATATTTTTTTAATTAAAAAAAATGGATTTTTTTTTTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 629									
Candidatus Carsonella ruddii strain BT chromosome...	(48357)	48357	48367	48378	48389	48400	48411	48422	48433
Candidatus Carsonella 135557 - 167442nt	(48357)	TTAATTGTAATTAAATTTATACTATAATAAAAAATTTTTGAGCTATTTGTTTTTTTCCATTTTTCATAATATAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 630									
Candidatus Carsonella ruddii strain BT chromosome...	(48434)	48434	48444	48455	48466	48477	48488	48499	48510
Candidatus Carsonella 135557 - 167442nt	(48434)	TATAAATTTAGAAAATAAATAACTTCCATATTTAATATCATTTAAATATTATTATTTTAAATATTTTTTTTCTAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 631							
Candidatus Carsonella ruddii strain BT chromosome...	(48511)	48511	48521	48532	48543	48554	48565	48576	48587
	(48511)	ACATTTTTTTGTTCCATATTTTGATCTAGAATTTTTTCTATTAGAAACACCTGATAAATCGTAAACATTTCTTATAGC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 632							
Candidatus Carsonella ruddii strain BT chromosome...	(48588)	48588	48598	48609	48620	48631	48642	48653	48664
	(48588)	ATGATATTTTACTCCTGGTAAATCTTTAACTCTACCTCCTCTTACTAAAAATATTTGAATGTTCTTGTAATTATGTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 633							
Candidatus Carsonella ruddii strain BT chromosome...	(48665)	48665	48675	48686	48697	48708	48719	48730	48741
	(48665)	CTTCACCAGGTATGTAAACAGTTATTTTCATTTTTATTTGATAATTTTACTCTACAACTTTTCTTAAGGCAGAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 634							
Candidatus Carsonella ruddii strain BT chromosome...	(48742)	48742	48752	48763	48774	48785	48796	48807	48818
	(48742)	GGTTTTTTTTGGTGTAGTTGTATATACTTTAATGCATATTCCTTTTTTTTTGTGGAGAGCTTAATAAAGCTGGTGTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 635							
Candidatus Carsonella ruddii strain BT chromosome...	(48819)	48819	48829	48840	48851	48862	48873	48884	48895
	(48819)	TATTTTTTTTTTATTTTTTTTTCTTCCTAATCTAATAATTTGATTTATAGTCATTTAATTATATAAATAATATTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 636							
Candidatus Carsonella ruddii strain BT chromosome...	(48896)	48896	48906	48917	48928	48939	48950	48961	48972
	(48896)	AATTTTTTCTTTTTACAACATCATTTTTTTTTGTTTTTTTTCTAAAAAAAAAATATGATTTATAAGTCCTGTACCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 637							
Candidatus Carsonella ruddii strain BT chromosome...	(48973)	48973	48983	48994	49005	49016	49027	49038	49049
	(48973)	GCTGGTATTAATTTACCTATTACTACATTTTCTTTTAATCCTAATAAATAATCTATTCTATTTCTAATAGCAGAATC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 638							
Candidatus Carsonella ruddii strain BT chromosome...	(49050)	49050	49060	49071	49082	49093	49104	49115	49126
	(49050)	AACTAAAATTCTTGTTGTTTCTTGAAATGAAGCTGCAGAAAAAAGATGTTGATTCTAATGAACTTTTGTAATAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 639							
Candidatus Carsonella ruddii strain BT chromosome...	(49127)	49127	49137	49148	49159	49170	49181	49192	49203
	(49127)	CAAATATTATTCTTTTCATATAAAGAAATTTTTTAGAATATTTTAATGTATTAATATTTTCAACTAATACATCTTCT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 640							
Candidatus Carsonella ruddii strain BT chromosome...	(49204)	49204	49214	49225	49236	49247	49258	49269	49280
	(49204)	AAATATAAAATATCGTTTTGCATAAAAAACAATCACCTGAATAAAGGATTTTTACTTTTTTTGTCATTTGTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 641							
Candidatus Carsonella ruddii strain BT chromosome...	(49281)	49281	49291	49302	49313	49324	49335	49346	49357
	(49281)	AACTAATTCAATATGTTTATCATTAATAAAAAATTCCTTGTTGGTTCATAAATAATATTTATTTCTTCTACAAAAAAGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 642							
Candidatus Carsonella ruddii strain BT chromosome...	(49358)	49358	49368	49379	49390	49401	49412	49423	49434
	(49358)	CTATTAAATAATCTATACCTATTATTTTAATTATATCATTTAAATCAATTTTCTTCTGAAATAATATCACCTATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 643							
Candidatus Carsonella ruddii strain BT chromosome...	(49435)	49435	49445	49456	49467	49478	49489	49500	49511
	(49435)	TTTACATAATCTCCATTACTAATATATATTTTTGTTAAACAATCTAAAAATATATTGTTTATAAAATCCATATTTTGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 644							
Candidatus Carsonella ruddii strain BT chromosome...	(49512)	49512	49522	49533	49544	49555	49566	49577	49588
	(49512)	AGTAATAATAATATTAATTTTACAATTTTATCAAAAAAATTTGTACTATTCCATCTATTTTCAGATAATAAAGATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 645							
Candidatus Carsonella ruddii strain BT chromosome...	(49589)	49589	49599	49610	49621	49632	49643	49654	49665
	(49589)	TTTTTTTTGGAACCTCTTGCTTCAAAAAGTTCACCTTAATCTAGGTAAACCACCTATTATACTTGATTTATAAATATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 646							
Candidatus Carsonella ruddii strain BT chromosome...	(49666)	49666	49676	49687	49698	49709	49720	49731	49742
	(49666)	TGTTTTACAATTTTTGCTATTATTGAACCTGGTAATAAAAAATCATAATTTTCCACTATAATAAAAAAATTTTAGG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 647							
Candidatus Carsonella ruddii strain BT chromosome...	(49743)	49743	49753	49764	49775	49786	49797	49808	49819
	(49743)	TATACAATATTTTTTAATTTTATTTTATTTTATTTTATATAAAAAATAATACAATTTTCTAAAGATTTATAATAAAATTTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 648							
Candidatus Carsonella ruddii strain BT chromosome...	(49820)	49820	49830	49841	49852	49863	49874	49885	49896
	(49820)	TATCAGAAATACATAAAACCTTTGTTTAAATACCTTTAATTAAACATAACCTATATTTTCTGTATATATATTAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 649							
Candidatus Carsonella ruddii strain BT chromosome...	(49897)	49897	49907	49918	49929	49940	49951	49962	49973
	(49897)	TCATTTTCAAATTTTAAATTTTAGTATTTTTTTTATAAAAAATACCATTCTAATAGGAATTGTATCACCATAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 650							
Candidatus Carsonella ruddii strain BT chromosome...	(49974)	49974	49984	49995	50006	50017	50028	50039	50050
	(49974)	TAATTTATAAATTAAATTTCTTTATTAAATTTTCAATAATTAAAACTATAATTATTTAATATAATAAATTCTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 651							
Candidatus Carsonella ruddii strain BT chromosome...	(50051)	50051	50061	50072	50083	50094	50105	50116	50127
	(50051)	CATTACTATTTAACAAACATTTACTATTTTTAAAGTATACAAAACCTGATATATTTGATTTTAAATATTCAAAACCTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 652							
Candidatus Carsonella ruddii strain BT chromosome...	(50128)	50128	50138	50149	50160	50171	50182	50193	50204
	(50128)	GAAAAATAAGTAGCAACTCCACCAGTATGAAAAGTTCTCATTTGTTAATTGTGTTCTCTGGTTCTCCAATTGATTGAGC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 653							
Candidatus Carsonella ruddii strain BT chromosome...	(50205)	50205	50215	50226	50237	50248	50259	50270	50281
	(50205)	AGATAAACACCAATTGGAACACCAATTAAACTAATTTATTAGTACTAAATCAATTCCATAACAAAACTACATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 654							
Candidatus Carsonella ruddii strain BT chromosome...	(50282)	50282	50292	50303	50314	50325	50336	50347	50358
	(50282)	CACCTCTAGATGATATACAATGTATAACACTTCTTATAATTAAATAATCAATTTTTTTTTTAATAATTAAAAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 655							
Candidatus Carsonella ruddii strain BT chromosome...	(50359)	50359	50369	50380	50391	50402	50413	50424	50435
	(50359)	ATTTTATTATCTATAAAAGTATTTTCTTTTATTAATAATTATTTTATTGTAAATATTAAATAATAACTCTACC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 656							
Candidatus Carsonella ruddii strain BT chromosome...	(50436)	50436	50446	50457	50468	50479	50490	50501	50512
	(50436)	AAATATTTTTTTATATAATAATAAATATTTTATAAAAAATAAATAAAATTTCTATACCAATTTTGTAAACAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 657							
Candidatus Carsonella ruddii strain BT chromosome...	(50513)	50513	50523	50534	50545	50556	50567	50578	50589
	(50513)	CAATTTTATAAATAACAATATCTTGCATAACATCTACTAATTTTCTGGTCAAATATCCTGAATTTGCTGTTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 658							
Candidatus Carsonella ruddii strain BT chromosome...	(50590)	50590	50600	50611	50622	50633	50644	50655	50666
	(50590)	GAAGTATCTGTTAAACCTTTTCTAGCACCAAAGAAGATATAAAAAAATTTTTCATACTTAAACCATTTTTTAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 659							
Candidatus Carsonella ruddii strain BT chromosome...	(50667)	50667	50677	50688	50699	50710	50721	50732	50743
	(50667)	ATCTAATATAGGATCAATAATAATATCTCCATTAGATTTTGAAAAAATCCTCTAAAAGTTATTAATTGTTTAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 660							
Candidatus Carsonella ruddii strain BT chromosome...	(50744)	50744	50754	50765	50776	50787	50798	50809	50820
	(50744)	GTAACATACTTCCTCTTGAACCAGAATCTAACATAATAAATAAATTATTTAAATAAAAATTATTTTTTTTTTAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 661									
Candidatus Carsonella ruddii strain BT chromosome...	(50821)	50821	50831	50842	50853	50864	50875	50886	50897
Candidatus Carsonella 135557 - 167442nt	(50821)	AATTTTTTAATTATTATAAATTTAAAAAAATTTTTCTAAAACATTAATAACATCAAATATGTTATTTTTATATTTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 662									
Candidatus Carsonella ruddii strain BT chromosome...	(50898)	50898	50908	50919	50930	50941	50952	50963	50974
Candidatus Carsonella 135557 - 167442nt	(50898)	TTTTTTTATTATTTTAAAAATACAATTTCTATTGTTTAATAAAATTAATCATTATAAECTTATAGAAATACCAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 663									
Candidatus Carsonella ruddii strain BT chromosome...	(50975)	50975	50985	50996	51007	51018	51029	51040	51051
Candidatus Carsonella 135557 - 167442nt	(50975)	AAGTAGAAAAATAAAAAACCTATTTTTTTAATTTTATCTAATATTTTTATAGTTTGTTCTAAACCAAAAAAATCAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 664									
Candidatus Carsonella ruddii strain BT chromosome...	(51052)	51052	51062	51073	51084	51095	51106	51117	51128
Candidatus Carsonella 135557 - 167442nt	(51052)	ATATATTTTATTATATAAGAAAGTTCTTTTTTTTTTAAATTTTATTTAAAAATTTTATTTTAATAATTTTTTTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 665									
Candidatus Carsonella ruddii strain BT chromosome...	(51129)	51129	51139	51150	51161	51172	51183	51194	51205
Candidatus Carsonella 135557 - 167442nt	(51129)	AAAAGAATAAAAAATTATTCTACCCATAGTAGAAAAAATTATTTTTTTTTTTTTAATTTTATATTTTTTAAATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 666									
Candidatus Carsonella ruddii strain BT chromosome...	(51206)	51206	51216	51227	51238	51249	51260	51271	51282
Candidatus Carsonella 135557 - 167442nt	(51206)	TTTTATTATTTTTATAATAATATAAAATTGCTTCTTTAAAAGAATTAAAAGAACAACAATTATAATTATATTATAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 667									
Candidatus Carsonella ruddii strain BT chromosome...	(51283)	51283	51293	51304	51315	51326	51337	51348	51359
Candidatus Carsonella 135557 - 167442nt	(51283)	GTTAAACAATAAATACCCATTACTATATCTTGAGTTGGAATAATAATAGGATCTCCATTAGAAGGAGAAATAATATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 668									
Candidatus Carsonella ruddii strain BT chromosome...	(51360)	51360	51370	51381	51392	51403	51414	51425	51436
Candidatus Carsonella 135557 - 167442nt	(51360)	ATTTATTGATAATAGTAAATAATTTGACTCCATTGAGAATTTATAGTTAAAGGTAAATGAATAGCCATTTGATCAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 669									
Candidatus Carsonella ruddii strain BT chromosome...	(51437)	51437	51447	51458	51469	51480	51491	51502	51513
Candidatus Carsonella 135557 - 167442nt	(51437)	CATCAAAATCTGCATTATAACTTAAACATACTAAAGGATGTAATTTTATTGTTTTATCTTGAGTTAATAAGATTTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 670									
Candidatus Carsonella ruddii strain BT chromosome...	(51514)	51514	51524	51535	51546	51557	51568	51579	51590
Candidatus Carsonella 135557 - 167442nt	(51514)	AAAGATTGAATACCCATTCTATGTAATGTTGGAGCACGATTTAAATTTATTGTATTTTTTTTACATATATAATTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 671									
Candidatus Carsonella ruddii strain BT chromosome...	(51591)	51591	51601	51612	51623	51634	51645	51656	51667
Candidatus Carsonella 135557 - 167442nt	(51591)	ATATTCTATTGATTTTTTTTTTATTTTGTTTATAATAATCATCTATAAAACCAATATTTGTAATTTGTTTATTATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 672									
Candidatus Carsonella ruddii strain BT chromosome...	(51668)	51668	51678	51689	51700	51711	51722	51733	51744
Candidatus Carsonella 135557 - 167442nt	(51668)	TTAATATATTATAAAGAAAAGGTTTAAATAATTCTAATAATATATAAATAGGTAATTCACACTGATAAAGTTTAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

									Section 673
Candidatus Carsonella ruddii strain BT chromosome...	(51745)	51745	51755	51766	51777	51788	51799	51810	51821
	(51745)	TCTGGCCCTACTGATATTACTGTTCTTCCTGAAAAATCAACTCTTTTTCCTAATAAATTTTGTCTAAATCTACCATA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 674
Candidatus Carsonella ruddii strain BT chromosome...	(51822)	51822	51832	51843	51854	51865	51876	51887	51898
	(51822)	TTTTCTCTAATTGAATTAGAAAAAGATTTTAAAATTCTTTTGAAGTTGTTAAAATAGGGTTTTCAATTTTTTCAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 675
Candidatus Carsonella ruddii strain BT chromosome...	(51899)	51899	51909	51920	51931	51942	51953	51964	51975
	(51899)	TATCAAATAAAGCATTAACGATTCTTGAAGAAGAATTCTTTCATTTATAATAATTTGTTTAGGTATTCTTAATATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 676
Candidatus Carsonella ruddii strain BT chromosome...	(51976)	51976	51986	51997	52008	52019	52030	52041	52052
	(51976)	TTTAAATTTTTTAATCTTAAATTTCTATCTATTATTTTTTTATATAATTCGTTTAAATCTGAAGTTGCAAATTTTCC							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 677
Candidatus Carsonella ruddii strain BT chromosome...	(52053)	52053	52063	52074	52085	52096	52107	52118	52129
	(52053)	TACACTTAATGGTATTAAAGGTCTCATTTTTGGAGGAATAACAGGTAAAAATTTTAAACAAAACCAACTAGGTTTAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 678
Candidatus Carsonella ruddii strain BT chromosome...	(52130)	52130	52140	52151	52162	52173	52184	52195	52206
	(52130)	TTCCTGATAAATAAAATATATATATTTTATTTTATTTTATCTAAAAAAGAAAATAATGAATTAAAAGATTTACAATTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

Section 679									
Candidatus Carsonella ruddii strain BT chromosome...	(52207)	52207	52217	52228	52239	52250	52261	52272	52283
Candidatus Carsonella 135557 - 167442nt	(52207)	AAAATTTTTTGTGTTTACAATTTTACAATCTAATAAAATTTTCATTATCTAATAATAATTTTAGAATTGCTTTTGTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 680									
Candidatus Carsonella ruddii strain BT chromosome...	(52284)	52284	52294	52305	52316	52327	52338	52349	52360
Candidatus Carsonella 135557 - 167442nt	(52284)	TGATAATATATAAAAATCATTTTGTTGTTTTTTATTAAATACAACAGAATATTTTTTAAATTTTTTGTTAAAAGATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 681									
Candidatus Carsonella ruddii strain BT chromosome...	(52361)	52361	52371	52382	52393	52404	52415	52426	52437
Candidatus Carsonella 135557 - 167442nt	(52361)	TTATAACAATATTAATTTTAAATTTAATATTTTATCTAATAATTTATAGGTGATGTTTATTATATTAGAAACATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 682									
Candidatus Carsonella ruddii strain BT chromosome...	(52438)	52438	52448	52459	52470	52481	52492	52503	52514
Candidatus Carsonella 135557 - 167442nt	(52438)	TTAGGTAATGTTTTTATAAACCAAATATGAAGTACAGGATAATTTAAATTTATATGCCCAAATCTATATGAAGAATG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 683									
Candidatus Carsonella ruddii strain BT chromosome...	(52515)	52515	52525	52536	52547	52558	52569	52580	52591
Candidatus Carsonella 135557 - 167442nt	(52515)	AGATTTTTTTTAAATTTAAATATTTATTTGATTTATTACAATCACATTTATATATATTACAACATATATTATAAGAAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 684									
Candidatus Carsonella ruddii strain BT chromosome...	(52592)	52592	52602	52613	52624	52635	52646	52657	52668
Candidatus Carsonella 135557 - 167442nt	(52592)	TAAAAATTTTTTAAACAAAAAAGACCACCTTAATTCAGGTTTAAATTTTTTAAATTTATATAAATAGATTTTTTAACT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 685							
Candidatus Carsonella ruddii strain BT chromosome...	(52669)	52669	52679	52690	52701	52712	52723	52734	52745
	(52669)	TCTCCATAAGACCATTCTAAAATTTTTTCAGAAGAAGCAATTTTAATTGATATTTTTTAAAAAATTTTTTTTCAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 686							
Candidatus Carsonella ruddii strain BT chromosome...	(52746)	52746	52756	52767	52778	52789	52800	52811	52822
	(52746)	ATTGTTTTTATATCAAAACATAAAGCTTTTATCTCATTTAATAAAACTTGAAATGATTCTGGTATTCCAGAATCAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 687							
Candidatus Carsonella ruddii strain BT chromosome...	(52823)	52823	52833	52844	52855	52866	52877	52888	52899
	(52823)	GTTATGTATACCTTTTCATAATATTTTTAAATAATAAAGTTCTTCCTTCTATATCATCAGATTTTACTGTTAACATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 688							
Candidatus Carsonella ruddii strain BT chromosome...	(52900)	52900	52910	52921	52932	52943	52954	52965	52976
	(52900)	CTTTTAAATATGAGAAGCACCATAAGCTTCTATAGCCCAAACCTCCATTTACCTAATCTTTGTCCTCCAAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 689							
Candidatus Carsonella ruddii strain BT chromosome...	(52977)	52977	52987	52998	53009	53020	53031	53042	53053
	(52977)	GATTTTCCTCCTAATGGTTGTTGTGTTATCATTGAATAAGGACCTATTGATCTAGCATAAATTTTATCTGAAACTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 690							
Candidatus Carsonella ruddii strain BT chromosome...	(53054)	53054	53064	53075	53086	53097	53108	53119	53130
	(53054)	ATGATTTAATTTTCATAAAATATATATATCCAACATTAATAGGTTTTATATATTTAATACCAGTAATTCCATCAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 691							
Candidatus Carsonella ruddii strain BT chromosome...	(53131)	53131	53141	53152	53163	53174	53185	53196	53207
	(53131)	AAAAAATTTTCCGTTTTGAGAAAATCCTAATTTGTTTATTATATTTTAAATAATTAAATCGTTTATTTTATAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 692							
Candidatus Carsonella ruddii strain BT chromosome...	(53208)	53208	53218	53229	53240	53251	53262	53273	53284
	(53208)	TTATGTACGCAAATTTTAAATTTTAAATTTAAAAATTTAAAAAAATTTTATAACAATCAAAATTATTTAAATTTTCAGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 693							
Candidatus Carsonella ruddii strain BT chromosome...	(53285)	53285	53295	53306	53317	53328	53339	53350	53361
	(53285)	TTTTATATTTTATTAAAAATTATTTTATAAATTATTTTATAATCATTTTTAATTTGTAAAAAGAAAAATTATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 694							
Candidatus Carsonella ruddii strain BT chromosome...	(53362)	53362	53372	53383	53394	53405	53416	53427	53438
	(53362)	TATTAATTTTGTTAAATATATTTTTTATTTCTTTTATAGAAGAACTTAAATAAACTTCTAATAATTGACCAACATTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 695							
Candidatus Carsonella ruddii strain BT chromosome...	(53439)	53439	53449	53460	53471	53482	53493	53504	53515
	(53439)	ATTCTAGAAGGAACACCTAATGGATTTAGGATTAACCAATATGTTTTCCATATTTATCATAAGGCATATTAATTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 696							
Candidatus Carsonella ruddii strain BT chromosome...	(53516)	53516	53526	53537	53548	53559	53570	53581	53592
	(53516)	ATCAACAATATTTGAAATTACTCCTTTATTACCATGTCTTCCAGACATTTTATCTCCAATTTTAAATTTTTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 697							
Candidatus Carsonella ruddii strain BT chromosome...	(53593)	53593	53603	53614	53625	53636	53647	53658	53669
	(53593)	CAATAATTTTAATTTTAATAATTCTTATTATATTATTATCAAAATCATTATAATTTAAAAAATTTTTTTTTTTAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 698							
Candidatus Carsonella ruddii strain BT chromosome...	(53670)	53670	53680	53691	53702	53713	53724	53735	53746
	(53670)	ATAAATATTTTTTTTTTTTTTAATATTATTTTATTAAAAATTTTTTAAATATTTTATTATTATAATTATTTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 699							
Candidatus Carsonella ruddii strain BT chromosome...	(53747)	53747	53757	53768	53779	53790	53801	53812	53823
	(53747)	ATTTGTATATTTTAAATTTAGTAAATATTAATATTGTTATTAAAAATAAATATTTTATTATTATATAAAAACTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 700							
Candidatus Carsonella ruddii strain BT chromosome...	(53824)	53824	53834	53845	53856	53867	53878	53889	53900
	(53824)	TATTAAAAGAATTTTTTTTAATTATTAAAAATAAAATAAAATAAATTCATATAAAAAATTATTCATATTTTTTGTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 701							
Candidatus Carsonella ruddii strain BT chromosome...	(53901)	53901	53911	53922	53933	53944	53955	53966	53977
	(53901)	ACATATTTTAATTGTTCTAAATTTAAATTTTAAATAATATTTTTTTTAAAAAGAATAAAGTTTAAATCATCAATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 702							
Candidatus Carsonella ruddii strain BT chromosome...	(53978)	53978	53988	53999	54010	54021	54032	54043	54054
	(53978)	TAATACAGTACCATTAATATTTTTAGGTAAACATAAAGGTTGTTCAAAATAATTAAATATTATCTGAAAAACAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 703									
Candidatus Carsonella ruddii strain BT chromosome...	(54055)	54055	54065	54076	54087	54098	54109	54120	54131
Candidatus Carsonella 135557 - 167442nt	(54055)	TTTTAAATAATTTTTCTTCTGGTGAAAAATTACTTTTATTTTATAGGACACATTTTTCCTATTAAAACCTTCTTTTGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 704									
Candidatus Carsonella ruddii strain BT chromosome...	(54132)	54132	54142	54153	54164	54175	54186	54197	54208
Candidatus Carsonella 135557 - 167442nt	(54132)	TTAACAAATTCGCCAATTTTAATTATACCAGATTTAATTTTTTTATTTTAAATTTGATCTTTATTAAATACATCATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 705									
Candidatus Carsonella ruddii strain BT chromosome...	(54209)	54209	54219	54230	54241	54252	54263	54274	54285
Candidatus Carsonella 135557 - 167442nt	(54209)	TGATAAAATATCAAATCCATTTTCATTATATTTTAAAAACACATACATATTCATAAATATGAAAAGAAGAAAACGAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 706									
Candidatus Carsonella ruddii strain BT chromosome...	(54286)	54286	54296	54307	54318	54329	54340	54351	54362
Candidatus Carsonella 135557 - 167442nt	(54286)	GTTTTTTTAAATATTTTATCAGAAATTAATATTGAATCTTCAAAATTATAACCATACCAACTCATAAAAGCTACACGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 707									
Candidatus Carsonella ruddii strain BT chromosome...	(54363)	54363	54373	54384	54395	54406	54417	54428	54439
Candidatus Carsonella 135557 - 167442nt	(54363)	ATATTTTTTACCTAAACTAATTTCCCCATTTTTTGTAACATTACTATCAGCTAAAATTGATCCTTTATTTATAATATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 708									
Candidatus Carsonella ruddii strain BT chromosome...	(54440)	54440	54450	54461	54472	54483	54494	54505	54516
Candidatus Carsonella 135557 - 167442nt	(54440)	TCCTATATTAATTTTTATTTGTTGATTTATAACAGTATTTTGATTTGTTCTTAAAAAATTTATAATTTTATATTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 709							
Candidatus Carsonella ruddii strain BT chromosome...	(54517)	54517	54527	54538	54549	54560	54571	54582	54593
	(54517)	TAATTTTAAAATTATTTTAACTATAATAGAATAATTATCTAAATATAATATATATCCTTTTAAATCTGATAAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 710							
Candidatus Carsonella ruddii strain BT chromosome...	(54594)	54594	54604	54615	54626	54637	54648	54659	54670
	(54594)	TTGTACCTTGTGTTTAAACCCAATAATTAATTCGTTTCCTGTTCTACTATTGAATTATCTGAATTAATTAATGGAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 711							
Candidatus Carsonella ruddii strain BT chromosome...	(54671)	54671	54681	54692	54703	54714	54725	54736	54747
	(54671)	AGCTTGTCTTTGCATATTACTTCCCATTAAACATCTATTTGCGTCATTATTTGACAAAAATGGTATTAAAGATGCAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 712							
Candidatus Carsonella ruddii strain BT chromosome...	(54748)	54748	54758	54769	54780	54791	54802	54813	54824
	(54748)	CCAAAGAAACAATTTGATCTCCTGAAATTTCAATTAAATCAATAAAAAAAAAATTTTTTTTATTATAATTATTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 713							
Candidatus Carsonella ruddii strain BT chromosome...	(54825)	54825	54835	54846	54857	54868	54879	54890	54901
	(54825)	TTTCTAGTTTCTAAAAAAGGAAATTTAAAAATTTCTCCATATATTGTTTTAACAGTTGATAAATAATTTGTTATTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 714							
Candidatus Carsonella ruddii strain BT chromosome...	(54902)	54902	54912	54923	54934	54945	54956	54967	54978
	(54902)	TTTTAATTTTCTTTTTTATAATCTAAAAAATAACACCAATAATATTTCTATATATGATATTTTATATATTGTTG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 715							
Candidatus Carsonella ruddii strain BT chromosome...	(54979)	54979	54989	55000	55011	55022	55033	55044	55055
	(54979)	AAATATAATTATATTTATTAATTTTTGAATAAAATGAAAAAGAAATTAATTAATCCAATATTATGTCCTTCTGGTGTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 716							
Candidatus Carsonella ruddii strain BT chromosome...	(55056)	55056	55066	55077	55088	55099	55110	55121	55132
	(55056)	TCTATTGGACAAATTTTGCAATAATGAGAAATATGTAAATCTCTAATATCAAAACCACAATTTTCTTTTTTTATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 717							
Candidatus Carsonella ruddii strain BT chromosome...	(55133)	55133	55143	55154	55165	55176	55187	55198	55209
	(55133)	ATTACCTATAAGAGAAATTTTACGTAAATGTGAAATTTCTGATAAAGGATTATTTTGATCTAAAAATTGAGATAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 718							
Candidatus Carsonella ruddii strain BT chromosome...	(55210)	55210	55220	55231	55242	55253	55264	55275	55286
	(55210)	CATTATTACAAAAATAATCCTTTAATTCTATTGTAATAATATTTTTTCTATAATATATTCTAAATCATTAAATATTG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 719							
Candidatus Carsonella ruddii strain BT chromosome...	(55287)	55287	55297	55308	55319	55330	55341	55352	55363
	(55287)	TTAAAATTTTAACTTTAAATTTAATATTTTAAATAATTTTATTAAACTTTTTTCAAATTTTAAAGATAATAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 720							
Candidatus Carsonella ruddii strain BT chromosome...	(55364)	55364	55374	55385	55396	55407	55418	55429	55440
	(55364)	ACCAGAACTATAAATATATTTATTTTCTAAACTTTCAAAAAGAAATCATTTATAATATCAAATTTTAAAAATTTTAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 721							
Candidatus Carsonella ruddii strain BT chromosome...	(55441)	55441	55451	55462	55473	55484	55495	55506	55517
	(55441)	ATTTTTTTATAATTTCAAATATAGTTAAAATATTAATATTATTGTTTTTTTCATATAAAAATTTTTTTACTCTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 722							
Candidatus Carsonella ruddii strain BT chromosome...	(55518)	55518	55528	55539	55550	55561	55572	55583	55594
	(55518)	AAACCTATTTCTAAAAAATTATAATTTTTTTTTTAAATATTTTTTTTAAAAAATTAAAAATTTTCCTTTTTTATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 723							
Candidatus Carsonella ruddii strain BT chromosome...	(55595)	55595	55605	55616	55627	55638	55649	55660	55671
	(55595)	TAAAAAATTAGTTTCTTCAAATTAATTTTATAATTTTTGTATATTTTATTATACTAATATTTTCTATTTCTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 724							
Candidatus Carsonella ruddii strain BT chromosome...	(55672)	55672	55682	55693	55704	55715	55726	55737	55748
	(55672)	TAAAAATTATTATTATTAAAAATAAAATTTTTTTAAATAAAATAAAATCAATTATTTTATTATTAAATAATTTAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 725							
Candidatus Carsonella ruddii strain BT chromosome...	(55749)	55749	55759	55770	55781	55792	55803	55814	55825
	(55749)	TTTTTAAAAAATTATTTTTTAGAAAAATATATTCTCCTAAATAAAAAATTTTAAATTTTTTAAATGAAAAACAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 726							
Candidatus Carsonella ruddii strain BT chromosome...	(55826)	55826	55836	55847	55858	55869	55880	55891	55902
	(55826)	ATATTTTTTATATTTTTTTTTTAAAAAAATTTTTTTATTTATTAAAAAAATTTTTTTTTTTTGCCTTTTATTATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 727							
Candidatus Carsonella ruddii strain BT chromosome...	(55903)	55903	55913	55924	55935	55946	55957	55968	55979
	(55903)	TTAATTTTATTTTAAAAAAAAAATATTTAAAAAAAAAATTTTGTTTAAACCTAAACTAATTAATAAATTTTAAACA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 728							
Candidatus Carsonella ruddii strain BT chromosome...	(55980)	55980	55990	56001	56012	56023	56034	56045	56056
	(55980)	ATAAATGATATTTTATCAAAAAAAAAAATAAATAATATTATTATTATTAATAATTTCTATCCAATTTCCATAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 729							
Candidatus Carsonella ruddii strain BT chromosome...	(56057)	56057	56067	56078	56089	56100	56111	56122	56133
	(56057)	AGGAATAATTTTGCAATATTTATATTTTCTATAAAAAAAAAATATACCATGTGCTTTATTAAATTGAGAAATTAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 730							
Candidatus Carsonella ruddii strain BT chromosome...	(56134)	56134	56144	56155	56166	56177	56188	56199	56210
	(56134)	CTCTGTTTGTACCATTAATAATAAAATTACCTTTATTAGTTATATACGGAATATAACCTAATTCAAATTTTAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 731							
Candidatus Carsonella ruddii strain BT chromosome...	(56211)	56211	56221	56232	56243	56254	56265	56276	56287
	(56211)	AAAATTAAATTTTATTAAATTATATATATTTTAAATAAACATAAATAATAGTATAAAAGTGAATATTTTTTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 732							
Candidatus Carsonella ruddii strain BT chromosome...	(56288)	56288	56298	56309	56320	56331	56342	56353	56364
	(56288)	ACAATATTCTTCATTAAAAAATGGTTTTTAAATAATTAATTTAAAAAATTTTAAAAAACGTTTTTTTTTATATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 733							
Candidatus Carsonella ruddii strain BT chromosome...	(56365)	56365	56375	56386	56397	56408	56419	56430	56441
	(56365)	ATAAAGGAAAGTGTTTTTTTAAATATATTTTAACTAAAAATTTTGATTTTGAATTTAATAAATTATTATAAGAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 734							
Candidatus Carsonella ruddii strain BT chromosome...	(56442)	56442	56452	56463	56474	56485	56496	56507	56518
	(56442)	TTTATTTGTATATGATTAAATATGGTTTATAACATTTATGAATAAATTTTTTTTAGATAAACAATATCTATTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 735							
Candidatus Carsonella ruddii strain BT chromosome...	(56519)	56519	56529	56540	56551	56562	56573	56584	56595
	(56519)	ATTAATAAACGAAATCATTTAATTTCAACTTTCTCCTACACTATTAATTTTTTAAACAATTCATCACATTGTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 736							
Candidatus Carsonella ruddii strain BT chromosome...	(56596)	56596	56606	56617	56628	56639	56650	56661	56672
	(56596)	TTTATCTAAACCACCTTTTTATTAAAGAATTTTTTTTTTCTACTAAATCTTTTGATTCTTTTAACTTAAATTAGTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 737							
Candidatus Carsonella ruddii strain BT chromosome...	(56673)	56673	56683	56694	56705	56716	56727	56738	56749
	(56673)	TTTCTTTAATAACTTTTATTAAATTAATTTTTTTATCTCCTATTTCTTTTAAAAAATATCAAATTTATTTTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 738							
Candidatus Carsonella ruddii strain BT chromosome...	(56750)	56750	56760	56771	56782	56793	56804	56815	56826
	(56750)	ATATTTTCAACAATATTTTCATTTTTTAAATTAAATTTTGTTCATTTTAATTATAAGATCACTTAATTCTAACAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 739							
Candidatus Carsonella ruddii strain BT chromosome...	(56827)	56827	56837	56848	56859	56870	56881	56892	56903
	(56827)	ATTTAATTTTGAAATTAAATCTAAAATATTTTCAATTATTATATTTTCATATTTGTTTAAATAATTTTATTAATCT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 740							
Candidatus Carsonella ruddii strain BT chromosome...	(56904)	56904	56914	56925	56936	56947	56958	56969	56980
	(56904)	AAAAAATTTTAATTTTAAAAAATTAATAAATTCGAAATTAAATTTCTTTTGATAAATTTGAGAATTCCTTAATAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 741							
Candidatus Carsonella ruddii strain BT chromosome...	(56981)	56981	56991	57002	57013	57024	57035	57046	57057
	(56981)	GTATTTTTTTAATAAAACAATTATTAGAAAAATAAAAAAATGGTTTTTTTCTAAAAAATTTAAATATTAATTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 742							
Candidatus Carsonella ruddii strain BT chromosome...	(57058)	57058	57068	57079	57090	57101	57112	57123	57134
	(57058)	ATATTTTTTTATTAACAATGTATCATTTTTTTATAAATAAAAAATATAAATTATTATATTTCAGACAAATTAAAAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 743							
Candidatus Carsonella ruddii strain BT chromosome...	(57135)	57135	57145	57156	57167	57178	57189	57200	57211
	(57135)	TAATTCCTTACTATTTAAATAAGTAATTCAAAAATGTGTTTTTTTTAAAAATTAATTTAATAAAGTTTTTTTAACAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 744							
Candidatus Carsonella ruddii strain BT chromosome...	(57212)	57212	57222	57233	57244	57255	57266	57277	57288
	(57212)	TATTTAAATTATAAGATATAATTATATAATTATTATTTATTATTTTTTAAATTTTTTAAATTTATTATAAAATTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 745							
Candidatus Carsonella ruddii strain BT chromosome...	(57289)	57289	57299	57310	57321	57332	57343	57354	57365
	(57289)	TTCATTTTATTATATAACTTTTACTCATTGTTGTATTTATATATATATTTTCTATAATTATATTATTTTAAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 746							
Candidatus Carsonella ruddii strain BT chromosome...	(57366)	57366	57376	57387	57398	57409	57420	57431	57442
	(57366)	ATTTTTTTAATATAATTTATAATGTAAAAATAATTTTTTTCAATCATATTGCTATTAAAAATTATATTTCCAATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 747							
Candidatus Carsonella ruddii strain BT chromosome...	(57443)	57443	57453	57464	57475	57486	57497	57508	57519
	(57443)	AAAATTTAAAAAATTATTTTTATTAATTATAATTTTAATAATTTTATTTTTTAATTCATTTATTTTAAATTCATAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 748							
Candidatus Carsonella ruddii strain BT chromosome...	(57520)	57520	57530	57541	57552	57563	57574	57585	57596
	(57520)	TATTTATTAAATTTTTTTTTTTAGAAAACTTTTTAATAAATTATGTTTTTTTATTAAGAAAAAATTATCTTTATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 749							
Candidatus Carsonella ruddii strain BT chromosome...	(57597)	57597	57607	57618	57629	57640	57651	57662	57673
	(57597)	TAAAAAATTTTATCAAAAAAATTTTTTTTCCAAAAATTTATTAATAAATTATTACCTATATAGATATTATCTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 750							
Candidatus Carsonella ruddii strain BT chromosome...	(57674)	57674	57684	57695	57706	57717	57728	57739	57750
	(57674)	TACTGAATTTTATCTGATAAAAAATAAAATTTTTTTTATTATCATTAACAGAATAAAATAAATTTATAAAAAAATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 751							
Candidatus Carsonella ruddii strain BT chromosome...	(57751)	57751	57761	57772	57783	57794	57805	57816	57827
	(57751)	AATAATTTTTTTTTTTATTATTAAATATAATATTTAGATCAATAGATTCAGTAAAGTTAAATTTTTATTATAAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 752							
Candidatus Carsonella ruddii strain BT chromosome...	(57828)	57828	57838	57849	57860	57871	57882	57893	57904
	(57828)	AAATTACAAAAATTAATCAAAGAATTATTCATATTTAATACCTAAACTATAAAAAAGTACCTAAAATCATTCTCTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 753							
Candidatus Carsonella ruddii strain BT chromosome...	(57905)	57905	57915	57926	57937	57948	57959	57970	57981
	(57905)	TAGAAGAAATTTTTTTTTTTTCATAAAAAATTCTATTTTGTAGAAATAATATTAATAATATCAAAATTATTATAAACA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 754							
Candidatus Carsonella ruddii strain BT chromosome...	(57982)	57982	57992	58003	58014	58025	58036	58047	58058
	(57982)	ATAGTTTCTATTCCTGGTTTTTTTAGAAAATTTTCTATATTTGTAATTTTTTTTATTACATTAGTTAAAGGTTCTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 755							
Candidatus Carsonella ruddii strain BT chromosome...	(58059)	58059	58069	58080	58091	58102	58113	58124	58135
	(58059)	ACCTAATATTATTTTCATAATTTAAATTTTGAAAAATTATTATTTTAACATGAATAAATTCATTAATATTATTTTAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 756							
Candidatus Carsonella ruddii strain BT chromosome...	(58136)	58136	58146	58157	58168	58179	58190	58201	58212
	(58136)	TTAATTCATTAAATTTATTACAAAAAGTCATTAAATTTAAACCATATTGACCTAATATTGGACCAATAGGTGGTGTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 757							
Candidatus Carsonella ruddii strain BT chromosome...	(58213)	58213	58223	58234	58245	58256	58267	58278	58289
	(58213)	GGTGTGCTTTTCCTGGTTTTAAATTAATTTTAATTTATATTTAACAATCATTATTTAATACAAAAATAAATTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 758							
Candidatus Carsonella ruddii strain BT chromosome...	(58290)	58290	58300	58311	58322	58333	58344	58355	58366
	(58290)	AAGTCAAAGAGGAATTGAACCTCTATTAACAGTTTGGAAACTATTACTTTACCTTTAAGTTATTGACTTATTAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 759							
Candidatus Carsonella ruddii strain BT chromosome...	(58367)	58367	58377	58388	58399	58410	58421	58432	58443
	(58367)	ATAAAGCGGAAAAAGGAATTGAACCTTTACATTAACTTGGAAAGATAATATTTTACCAATAAACTATTCCCGCAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 760							
Candidatus Carsonella ruddii strain BT chromosome...	(58444)	58444	58454	58465	58476	58487	58498	58509	58520
	(58444)	AAAAAATGAAGGAAAGAGGATTGGAACCTCTGAAGCTTTCGCAGCAGATTTACAGTCTGTCCCTTTTGACCGCTCAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 761							
Candidatus Carsonella ruddii strain BT chromosome...	(58521)	58521	58531	58542	58553	58564	58575	58586	58597
	(58521)	GAATTCCTTCTTAAGAATTTTATTTTTTTTAAACAAATAAAAAATTCAAATTCAAATTTTTTTTATTAAATAATAACAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 762							
Candidatus Carsonella ruddii strain BT chromosome...	(58598)	58598	58608	58619	58630	58641	58652	58663	58674
	(58598)	TATTTTTTAAATTTATCATAATCCAGTTAATACCTAAAAATAAAATTGATATAGTAAAAATCAAAAAATAATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 763							
Candidatus Carsonella ruddii strain BT chromosome...	(58675)	58675	58685	58696	58707	58718	58729	58740	58751
	(58675)	AATTAAGTAAATTTTATTTGTAAATTTTTTATTTTAAAAAAATAATATTTGTAATAATATTTGAAAAACAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 764							
Candidatus Carsonella ruddii strain BT chromosome...	(58752)	58752	58762	58773	58784	58795	58806	58817	58828
	(58752)	TATAAAATATTATTTTATATTTTAAATAATAAAAAATGTATAGTTAAACAAAAATAATAAAAAAAATTTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 765							
Candidatus Carsonella ruddii strain BT chromosome...	(58829)	58829	58839	58850	58861	58872	58883	58894	58905
	(58829)	TCTTTTAGTAAATTATTTTTTATATAAATTATTAATATAAGACATAACCATACAATGTGAATAAAATGCCAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 766							
Candidatus Carsonella ruddii strain BT chromosome...	(58906)	58906	58916	58927	58938	58949	58960	58971	58982
	(58906)	AAAGAAAATATTATATTGTTAATTTTAAATTTTTTATTATATAAGTTTAAATAATAATAAATTTAAAGAAATAAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 767							
Candidatus Carsonella ruddii strain BT chromosome...	(58983)	58983	58993	59004	59015	59026	59037	59048	59059
	(58983)	AGATATTAAACATGAAATGCGTGAAACATAATAATAAAATAATAATTAGATAAATAATTATTTGTGTTAAATTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 768							
Candidatus Carsonella ruddii strain BT chromosome...	(59060)	59060	59070	59081	59092	59103	59114	59125	59136
	(59060)	AATTAATTTTATTTTAAATGATAAAATCTTTAAATTCATAATTAAAAATAATATAGAAAAATTAATTTTAAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 769							
Candidatus Carsonella ruddii strain BT chromosome...	(59137)	59137	59147	59158	59169	59180	59191	59202	59213
	(59137)	CAATATTTATTTTTAAAATTATTAATATTTTTTAAAGATAAAAAACTACAAAAAAGAAGTAAAAGCGTTTCTATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 770							
Candidatus Carsonella ruddii strain BT chromosome...	(59214)	59214	59224	59235	59246	59257	59268	59279	59290
	(59214)	TAAATTCTATAATTAAAAATAATTTTTTTTAAAAAAAATTATTAGATGATAAAAAATGAAATAAATAAACTGCAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 771							
Candidatus Carsonella ruddii strain BT chromosome...	(59291)	59291	59301	59312	59323	59334	59345	59356	59367
	(59291)	ACATTATACAATCACTTATCATATATAACCAAAACCTAACAAATCTTTATTTATTTTATTCATATAAAAAATAAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 772							
Candidatus Carsonella ruddii strain BT chromosome...	(59368)	59368	59378	59389	59400	59411	59422	59433	59444
	(59368)	TATATTAATTATAATAAAAAATAATGATAAAAAAGTAATCTTCCACATCCACCAAATAATTGAAAATGAAAAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 773							
Candidatus Carsonella ruddii strain BT chromosome...	(59445)	59445	59455	59466	59477	59488	59499	59510	59521
	(59445)	ATAAAGATAAAGAAATTAAAAATGGAAAAATTTTTTTTTATGATTTATTTTAATAAAATTATTTTTTAAAAAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 774							
Candidatus Carsonella ruddii strain BT chromosome...	(59522)	59522	59532	59543	59554	59565	59576	59587	59598
	(59522)	TTTTTATATAAAAAATCATTATTTTGATTTATAATATTATTATTAAACAAAAAATTGTTTCATAATTATTTATAAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 775							
Candidatus Carsonella ruddii strain BT chromosome...	(59599)	59599	59609	59620	59631	59642	59653	59664	59675
	(59599)	ATAATTTTTTTTAGCAAATATTAAATTTATAATTTGAATTAAAAATAGATAAAAAAATTATCAAACCTACCTATAAATG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 776							
Candidatus Carsonella ruddii strain BT chromosome...	(59676)	59676	59686	59697	59708	59719	59730	59741	59752
	(59676)	AAATTAATAATAATTTTGACCATAAAAAATTATAATAAATTATAGTTCTTCTATTTCATTCCATAATAACCTAATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 777							
Candidatus Carsonella ruddii strain BT chromosome...	(59753)	59753	59763	59774	59785	59796	59807	59818	59829
	(59753)	TAAAAAGGAAAAAAGTTATTGTAACCTCTAAAAACCATAATAAAATATTTATATAAGAAAAAATTCTGATAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 778							
Candidatus Carsonella ruddii strain BT chromosome...	(59830)	59830	59840	59851	59862	59873	59884	59895	59906
	(59830)	TTTATTAAAAATAATAGAAAACCAATATTGAAATCCAGCAAAATATCCAAATAATACTCCTCCTATAATAACTGAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 779							
Candidatus Carsonella ruddii strain BT chromosome...	(59907)	59907	59917	59928	59939	59950	59961	59972	59983
	(59907)	GAAAATGAGCAATTAAAAACATTGAATTATGAAAAATATAATCTAAATTTGGAATAGATAAAATAATACCTGAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 780							
Candidatus Carsonella ruddii strain BT chromosome...	(59984)	59984	59994	60005	60016	60027	60038	60049	60060
	(59984)	CCTCCAATAGAAAATATTATTATAAATGATATAAACCAAAATAATAAAGATGTTTTTTTTTTTTTACTAAATAAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

									Section 781
Candidatus Carsonella ruddii strain BT chromosome...	(60061)	60061	60071	60082	60093	60104	60115	60126	60137
	(60061)	TGTAATAACCAATTATAAATTTTAACTCCGGTAGGTATTGCTATTACCATAGTTGATATACTAAAAATATATTAG							
	(1)	-----							
	(1)	-----							
									Section 782
Candidatus Carsonella ruddii strain BT chromosome...	(60138)	60138	60148	60159	60170	60181	60192	60203	60214
	(60138)	TAGTATAACCAGAACCCATTGTAAAAAATGATGTAACCAAACTAAAAAGATAAAATAGTTATTGATAATGTAGCA							
	(1)	-----							
	(1)	-----							
									Section 783
Candidatus Carsonella ruddii strain BT chromosome...	(60215)	60215	60225	60236	60247	60258	60269	60280	60291
	(60215)	TAAAGTAATGAATTATAGGAAAATAATTGTTTTTCACATATATTTGTTAATATTTTCAGAAAATATTCCAAAAGAAGG							
	(1)	-----							
	(1)	-----							
									Section 784
Candidatus Carsonella ruddii strain BT chromosome...	(60292)	60292	60302	60313	60324	60335	60346	60357	60368
	(60292)	TAAATTTAAATATAAACTTCTGGGTGTCCCCATGCCCATATTAAATTAATATATAACATTTGTTGTCCACCATAAA							
	(1)	-----							
	(1)	-----							
									Section 785
Candidatus Carsonella ruddii strain BT chromosome...	(60369)	60369	60379	60390	60401	60412	60423	60434	60445
	(60369)	ATGATGTAAAAAATGAAAATTAAATTTCTATCTAAAAATAATAAAAAATATTATTATATTTAAGATAGGAAAAGAA							
	(1)	-----							
	(1)	-----							
									Section 786
Candidatus Carsonella ruddii strain BT chromosome...	(60446)	60446	60456	60467	60478	60489	60500	60511	60522
	(60446)	ATTAAATTAATATATTTGAACATAAACATGTCCAAATAAAAAATTGGTAATTTTAAAAAATAAATTTTTTTTTTCT							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 787									
Candidatus Carsonella ruddii strain BT chromosome...	(60523)	60523	60533	60544	60555	60566	60577	60588	60599
Candidatus Carsonella 135557 - 167442nt	(60523)	ACATTTTAAAATTGTTGTTATAAAATTTATAGATGTTATTAAAGTTGAAATACCAGAAATCTGTAAACTCCAAATCC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 788									
Candidatus Carsonella ruddii strain BT chromosome...	(60600)	60600	60610	60621	60632	60643	60654	60665	60676
Candidatus Carsonella 135557 - 167442nt	(60600)	AATAATCAACTCCTACCCAAGGACTAAATGTTTTTCTGAAAGAGGAGGATATGCTAACCATCCTATTTTAGAAAAAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 789									
Candidatus Carsonella ruddii strain BT chromosome...	(60677)	60677	60687	60698	60709	60720	60731	60742	60753
Candidatus Carsonella 135557 - 167442nt	(60677)	TCACCAAATAATAAAGATATGTTAATTAATAATACTGAAAAAAAAATTTAGCCAAAACTTAGTAAATTCAAAGAAGG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 790									
Candidatus Carsonella ruddii strain BT chromosome...	(60754)	60754	60764	60775	60786	60797	60808	60819	60830
Candidatus Carsonella 135557 - 167442nt	(60754)	AAAAGCAACATCTATAGATCCTATTTGTAAAGGAATAATTATATTTCATTAAACCAATCATAAACGGCATTGCAACAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 791									
Candidatus Carsonella ruddii strain BT chromosome...	(60831)	60831	60841	60852	60863	60874	60885	60896	60907
Candidatus Carsonella 135557 - 167442nt	(60831)	AAAAAATCATGATTACTCCATGAGCTGTAAAAATTTGACTATAATGGTTTGAAGATAAATATCCTTCATGATTGTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 792									
Candidatus Carsonella ruddii strain BT chromosome...	(60908)	60908	60918	60929	60940	60951	60962	60973	60984
Candidatus Carsonella 135557 - 167442nt	(60908)	CTTAATAATTGTTGTAATCTCATCATTAAAGCATCAACAAAACCTCTAATTAACATAATAAATGATATTAATAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 793							
Candidatus Carsonella ruddii strain BT chromosome...	(60985)	60985	60995	61006	61017	61028	61039	61050	61061
	(60985)	TAATTTTCCTATTTTTTTATGATCAAAAGAAACAGAAATAATTTTTATTTTTTTATAAAAAGGTTTAAAAATGGAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 794							
Candidatus Carsonella ruddii strain BT chromosome...	(61062)	61062	61072	61083	61094	61105	61116	61127	61138
	(61062)	TTGAAATAAATAAAAAATATTATTATTGTTATAAATAAAAAATATTATTATTGGTTCTGTTATAGGAACAGAATTAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 795							
Candidatus Carsonella ruddii strain BT chromosome...	(61139)	61139	61149	61160	61171	61182	61193	61204	61215
	(61139)	TTTAATTTTCCTAAAATCATTTTTTTTTTAATTATTAAATAAAATATTTTATTATTTCTTATTTTAAAAAATTTATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 796							
Candidatus Carsonella ruddii strain BT chromosome...	(61216)	61216	61226	61237	61248	61259	61270	61281	61292
	(61216)	ACAAAACCTTCCTTCTTTTATTAATAAATTATATTTTTTAATATTAATAAAAAAATTGATTTTTTAATATTGTTAACCCA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 797							
Candidatus Carsonella ruddii strain BT chromosome...	(61293)	61293	61303	61314	61325	61336	61347	61358	61369
	(61293)	ATAAAAAAATTTTTTTTAATTAATAAAAAAATATTTATTCTTAATTTATTAAATCCTATTCCACTATAATTTGAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 798							
Candidatus Carsonella ruddii strain BT chromosome...	(61370)	61370	61380	61391	61402	61413	61424	61435	61446
	(61370)	AAAAACCATGACAAAAACCATGTTTTAAATTAATAAATTTATATATTTATGAGAATTACTCATACAATAAAATTGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 799									
Candidatus Carsonella ruddii strain BT chromosome...	(61447)	61447	61457	61468	61479	61490	61501	61512	61523
Candidatus Carsonella 135557 - 167442nt	(61447)	AATCCAAATTTTGGGAATACATAAAGTATTTAAAACATTGTTAGAAGATAAAAAAATTTTATAGGTATTAATATAGG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 800									
Candidatus Carsonella ruddii strain BT chromosome...	(61524)	61524	61534	61545	61556	61567	61578	61589	61600
Candidatus Carsonella 135557 - 167442nt	(61524)	TAAGCAAAATTCGTTAAAAGTTAAAATTTTGAATAGGAAAAATAATCATCCATTTCCAATTCATTGATATAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 801									
Candidatus Carsonella ruddii strain BT chromosome...	(61601)	61601	61611	61622	61633	61644	61655	61666	61677
Candidatus Carsonella 135557 - 167442nt	(61601)	CTAATATTAATGGTTTTAAATTTGAATATAAAATTTTATAGGATTAATGTAAAAATTACTTTTTATTGTGTAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 802									
Candidatus Carsonella ruddii strain BT chromosome...	(61678)	61678	61688	61699	61710	61721	61732	61743	61754
Candidatus Carsonella 135557 - 167442nt	(61678)	CTTAATATTAAAATTATTAACTAGGAAAAATAAAAGCGATAAATTCATTAAATTTGAATCAATTAAAAAAGGAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 803									
Candidatus Carsonella ruddii strain BT chromosome...	(61755)	61755	61765	61776	61787	61798	61809	61820	61831
Candidatus Carsonella 135557 - 167442nt	(61755)	TTTTTTCATATTTTAAATTATAAATAAACTTACTAATAGAGTAAATATTGATATTAATAATATTAAATAAATTGTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 804									
Candidatus Carsonella ruddii strain BT chromosome...	(61832)	61832	61842	61853	61864	61875	61886	61897	61908
Candidatus Carsonella 135557 - 167442nt	(61832)	TTAATAACAATTGATTCTCAATTAATCTATTCAAACCTAAAAAATGGTTTTTAATAATATTTATCATATTTTAAACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 805							
Candidatus Carsonella ruddii strain BT chromosome...	(61909)	61909	61919	61930	61941	61952	61963	61974	61985
	(61909)	TTTTTTATAAATTTTCAAAAAAAATTATATCAAACTTATTAAATTTGGAACAAATAGTAAAAATTGTTTTATTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 806							
Candidatus Carsonella ruddii strain BT chromosome...	(61986)	61986	61996	62007	62018	62029	62040	62051	62062
	(61986)	AAAAATAATGTTTTTTTTTTTTATTCCATTATAAAAAAAAAATTTTATAAAAAATAACAATATTAAAAATATTTCAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 807							
Candidatus Carsonella ruddii strain BT chromosome...	(62063)	62063	62073	62084	62095	62106	62117	62128	62139
	(62063)	TAATTTTAATTTATTAACTAAATATTATTTTTTTGTAAAAATATTTTATTTTATAAAAAAATTTATGGAAAAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 808							
Candidatus Carsonella ruddii strain BT chromosome...	(62140)	62140	62150	62161	62172	62183	62194	62205	62216
	(62140)	TATTTAATTTTTTTTTTAAATATAATTTCTAAATTTCAAATTTTATATCTATTATTAATAAAAAAAAAATTTTTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 809							
Candidatus Carsonella ruddii strain BT chromosome...	(62217)	62217	62227	62238	62249	62260	62271	62282	62293
	(62217)	AAATTTTATAATATTAATATATATTTTATAAAAAAAAAAATTTCTTGTTTAAAAAAATTTTTTTTTTAAAAAATAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 810							
Candidatus Carsonella ruddii strain BT chromosome...	(62294)	62294	62304	62315	62326	62337	62348	62359	62370
	(62294)	TTTTATTTTTGAATCATTAATTTTAAACCATAATGATTTATTTAAAGATAATATATTATTTTTTGGAAATAAGATAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 811									
Candidatus Carsonella ruddii strain BT chromosome...	(62371)	62371	62381	62392	62403	62414	62425	62436	62447
	(62371)	CATCTATTATTGATTTTAAATAATTATTGTTTTTATCAATAAATAATGATTTAATTAATTTAATTTTAGAATTTACA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 812									
Candidatus Carsonella ruddii strain BT chromosome...	(62448)	62448	62458	62469	62480	62491	62502	62513	62524
	(62448)	GAAAATTATTTAATTAAAAAAACATAATATTAGAAAATTATTACAAAAAAACAAAAATATTAAAATAAAAGATTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 813									
Candidatus Carsonella ruddii strain BT chromosome...	(62525)	62525	62535	62546	62557	62568	62579	62590	62601
	(62525)	TTTTATATTAAAAATTTTTATATTAAGAAAAAAAAAATGATATTATTTAAAAAAACAAAAATCCAAATAATTATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 814									
Candidatus Carsonella ruddii strain BT chromosome...	(62602)	62602	62612	62623	62634	62645	62656	62667	62678
	(62602)	TAAAAAATATTTTTATGAAAAAATTTTTGAATATAAAAAATTAATAATATAGATATATTAAAAAATGGAATTTAAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 815									
Candidatus Carsonella ruddii strain BT chromosome...	(62679)	62679	62689	62700	62711	62722	62733	62744	62755
	(62679)	TTGGAATTGCGGTTTTTATATTAAAAAAGTTTATTATTAATTAATGAAGGATCTTCATCAATAAATTATTCACAAC							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 816									
Candidatus Carsonella ruddii strain BT chromosome...	(62756)	62756	62766	62777	62788	62799	62810	62821	62832
	(62756)	AATGTTTTGAAGGTGTTAAATGTTTTTTAAAAAATTTTTTTCATTTTAGAATTAATTTAAATTCTTATAGA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 817							
Candidatus Carsonella ruddii strain BT chromosome...	(62833)	62833	62843	62854	62865	62876	62887	62898	62909
	(62833)	TTTCAAAAAAGTTGTAAATATTTATTTTTTACCAATAATAAATAATTTTATTTTTTAAAAATCTATAAAAAATAACATC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 818							
Candidatus Carsonella ruddii strain BT chromosome...	(62910)	62910	62920	62931	62942	62953	62964	62975	62986
	(62910)	ATATTTAAATTTCAAATATATACCAAATTTAAAAATTGGTTTTTATATATTAGACCTTTATTAATTGGTGTGGAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 819							
Candidatus Carsonella ruddii strain BT chromosome...	(62987)	62987	62997	63008	63019	63030	63041	63052	63063
	(62987)	AAAATATAGGAGTAAAAACTTCAAAAAATTTATTTTTTACAATTTTTGTACACCTTCTTTTTTAACATTTAAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 820							
Candidatus Carsonella ruddii strain BT chromosome...	(63064)	63064	63074	63085	63096	63107	63118	63129	63140
	(63064)	CAATTTATAAAATCAATATTTTTTAAAAAGAATTATAGAAAATAATGGACATTATAAAATAGGTTGTAATTATATAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 821							
Candidatus Carsonella ruddii strain BT chromosome...	(63141)	63141	63151	63162	63173	63184	63195	63206	63217
	(63141)	AAATATATATAATAATTTTTTTTTTAAAAAATATAATTTTGATGATTATATTCATTTAAATAATAATTATTTTGAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 822							
Candidatus Carsonella ruddii strain BT chromosome...	(63218)	63218	63228	63239	63250	63261	63272	63283	63294
	(63218)	AAATAGGAACCTTCAAATATAATTTTATATTTAAAAAAATTTTTTTATCTCCTTCTAATAAAAAATATACTTCCTGGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 823						
Candidatus Carsonella ruddii strain BT chromosome...	(63295)	63295	63305	63316	63327	63338	63349	63360 63371
	(63295)	ATAAACAAATTTTCTTTTTTAACTTTTTTTAATAAAAAAAAAATTTTTTTAAATATAAATATATCATTTAATATAAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 824						
Candidatus Carsonella ruddii strain BT chromosome...	(63372)	63372	63382	63393	63404	63415	63426	63437 63448
	(63372)	AAATAATAGCGTTAATATTATTTCTTGTTGGAACAGCAATTTTTTATAAAAAATAATAAATTCATTTTATTTAAAAATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 825						
Candidatus Carsonella ruddii strain BT chromosome...	(63449)	63449	63459	63470	63481	63492	63503	63514 63525
	(63449)	AAATTATAAAATATAAAAAAGTTTTTTGTTTTTTTTTATAAATTTTTTTTTTAAAAAAATATATAATTGTTTATAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 826						
Candidatus Carsonella ruddii strain BT chromosome...	(63526)	63526	63536	63547	63558	63569	63580	63591 63602
	(63526)	AAAATTAATAAATGGATTTTTTAAAATTAATTAATAAATTTTAAAAATTTTAAAAAAATATTTTTTTTTTAAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 827						
Candidatus Carsonella ruddii strain BT chromosome...	(63603)	63603	63613	63624	63635	63646	63657	63668 63679
	(63603)	AAAATAAAAAAAAAAAGTTTTTTTTTTATAAATTTTAAATAATTAATAAATATTTATTTTATTACAAATATAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 828						
Candidatus Carsonella ruddii strain BT chromosome...	(63680)	63680	63690	63701	63712	63723	63734	63745 63756
	(63680)	AATTAAACATTATAAAAAATATAAAAAATTTTTTTTATAAAAAAAGAAAATTAACAACAATTAAAAAAATATTAAAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

Section 829									
Candidatus Carsonella ruddii strain BT chromosome...	(63757)	63757	63767	63778	63789	63800	63811	63822	63833
Candidatus Carsonella 135557 - 167442nt	(63757)	TATTATGCTTTTAAAAATATTAAGTATAAAAGATAAAAGATTAAGAAAAAAATCAAAAAAAATGTTTTTTTATAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 830									
Candidatus Carsonella ruddii strain BT chromosome...	(63834)	63834	63844	63855	63866	63877	63888	63899	63910
Candidatus Carsonella 135557 - 167442nt	(63834)	AAATTAAAAAAATATTTTTTAATTAAAAAGAATGATTTTTTACAATGTATGAAAAAAGGGAATTGGAATTTCTTCTACT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 831									
Candidatus Carsonella ruddii strain BT chromosome...	(63911)	63911	63921	63932	63943	63954	63965	63976	63987
Candidatus Carsonella 135557 - 167442nt	(63911)	CAAATTAATTTTAAAAATAAAATAATTATAGTTGATTTAAATAAAAAAATAAACCAAGTATAATTATAAATCCTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 832									
Candidatus Carsonella ruddii strain BT chromosome...	(63988)	63988	63998	64009	64020	64031	64042	64053	64064
Candidatus Carsonella 135557 - 167442nt	(63988)	AGTAATAAAAAATAGTAGTTTAATTACTTTAAGTACTGAAGGTTGTTTATCTATTAAAAATTTTTTTATAAATATTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 833									
Candidatus Carsonella ruddii strain BT chromosome...	(64065)	64065	64075	64086	64097	64108	64119	64130	64141
Candidatus Carsonella 135557 - 167442nt	(64065)	CTAGACCTGAAAAAATATTTTTAAATTTTGTAATTTTATATAATAAAATTAATAAATATAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 834									
Candidatus Carsonella ruddii strain BT chromosome...	(64142)	64142	64152	64163	64174	64185	64196	64207	64218
Candidatus Carsonella 135557 - 167442nt	(64142)	TCAAGATGTTTACAACATGAGATAGATCATTTAAATGGTATATTAATAATAGATTATAATAATAAATAAATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 835							
Candidatus Carsonella ruddii strain BT chromosome...	(64219)	64219	64229	64240	64251	64262	64273	64284	64295
	(64219)	ATGAATAAATTATGGGGAGGAAGATTTGAAAATCAATTAGATTATGATATTGAGATTTATTTAAATTCATTTTATAT							
	(1)	-----							
	(1)	-----							
		Section 836							
Candidatus Carsonella ruddii strain BT chromosome...	(64296)	64296	64306	64317	64328	64339	64350	64361	64372
	(64296)	AGATAAATATTTATTTAATTATGAAATAAAAGTAATTAGTGCACATGTAAAAAGTTTATATTTGTGTAATTATATAA							
	(1)	-----							
	(1)	-----							
		Section 837							
Candidatus Carsonella ruddii strain BT chromosome...	(64373)	64373	64383	64394	64405	64416	64427	64438	64449
	(64373)	AATTAAATGAAAAAAAAACAAATTTTAAATTCCTTTGTTTTTAATTAAAAATAATTTTAGAAAAATTAAATGTAGAAGAT							
	(1)	-----							
	(1)	-----							
		Section 838							
Candidatus Carsonella ruddii strain BT chromosome...	(64450)	64450	64460	64471	64482	64493	64504	64515	64526
	(64450)	ATACATTCTTATTTAGAATTAGAATTAATAAAGTATAATGGTGATTTAGGAAAAAAAAATATATATTGGAAAAATCAAG							
	(1)	-----							
	(1)	-----							
		Section 839							
Candidatus Carsonella ruddii strain BT chromosome...	(64527)	64527	64537	64548	64559	64570	64581	64592	64603
	(64527)	AAATGATCAAATCACTACTTTAAATAAATTAATGTTATTGGATGAAATTGAAAAAATTAATATTTTATTAATATTCA							
	(1)	-----							
	(1)	-----							
		Section 840							
Candidatus Carsonella ruddii strain BT chromosome...	(64604)	64604	64614	64625	64636	64647	64658	64669	64680
	(64604)	TAAGAAAAACAATTATTAATTTAGCAGAAATTGAATTTAATACACCTGTACCTGGTTTTACTCATTTACAAATAGCT							
	(1)	-----							
	(1)	-----							

Section 841									
Candidatus Carsonella ruddii strain BT chromosome...	(64681)	64681	64691	64702	64713	64724	64735	64746	64757
	(64681)	CAACCTATAACATTAGGACATTATTTATTATCCTGGAATGAAATGTTAAAAAGAGATCATATAAATCTTTTAAATTG							
	(1)	-----							
	(1)	-----							
Section 842									
Candidatus Carsonella ruddii strain BT chromosome...	(64758)	64758	64768	64779	64790	64801	64812	64823	64834
	(64758)	TAAAAAAACACAAATTTTGTCTTTAGGATCAGCAGCATTAGCTGGGCATAATTATAAAATTAATAGAAATATTG							
	(1)	-----							
	(1)	-----							
Section 843									
Candidatus Carsonella ruddii strain BT chromosome...	(64835)	64835	64845	64856	64867	64878	64889	64900	64911
	(64835)	TTAAAAAAATATTAAATTTTAAATATTTAACAGAAAATTCAATAGATGCAGTTAGTGATAGAGATTATGTTATATTA							
	(1)	-----							
	(1)	-----							
Section 844									
Candidatus Carsonella ruddii strain BT chromosome...	(64912)	64912	64922	64933	64944	64955	64966	64977	64988
	(64912)	TTTTCTCAATTTTGTAAATATTCTAATTATTCATTTATCTAGAATTTGTGAAGATATGATTATTTGGAGTAGTAATAA							
	(1)	-----							
	(1)	-----							
Section 845									
Candidatus Carsonella ruddii strain BT chromosome...	(64989)	64989	64999	65010	65021	65032	65043	65054	65065
	(64989)	ATTTAATTTTTTAAAAATTATCAGACAAGATATCTTCTGGATCTTCTATTATGCCTCAAAAAAAAAAATCCAGATTTAT							
	(1)	-----							
	(1)	-----							
Section 846									
Candidatus Carsonella ruddii strain BT chromosome...	(65066)	65066	65076	65087	65098	65109	65120	65131	65142
	(65066)	TTGAATTAATTAGATCAAAATCTGGTAGAATTATGGGAAATTCAGTTAATATTTTAACTATTTTAAATCACAAGCA							
	(1)	-----							
	(1)	-----							

		Section 847							
Candidatus Carsonella ruddii strain BT chromosome...	(65143)	65143	65153	65164	65175	65186	65197	65208	65219
	(65143)	TTATCTTATAATAAGATAATCAAGAAGATAAGAAAGTTTATTTGATAATATTTATACAATAAAAAATACTTTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 848							
Candidatus Carsonella ruddii strain BT chromosome...	(65220)	65220	65230	65241	65252	65263	65274	65285	65296
	(65220)	TTGTTTTAGAAAATGCATTTTAGTATTAAAAATTAATAAAAAAATATGTATTTATCTACTTTAAAAAATTATTCTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 849							
Candidatus Carsonella ruddii strain BT chromosome...	(65297)	65297	65307	65318	65329	65340	65351	65362	65373
	(65297)	CCGCAACTGATATGGCTGATTATTTAGTTAAAAAAGGTCTAACTTTTAGAGATTCTCATAAAATTGTAGGTAATTGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 850							
Candidatus Carsonella ruddii strain BT chromosome...	(65374)	65374	65384	65395	65406	65417	65428	65439	65450
	(65374)	ATTAAATATTGTGAAAATAATGATATTAATTTTTTTAATATTTTCATTAAGAATTAAAAATTATTTGTAATTTATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 851							
Candidatus Carsonella ruddii strain BT chromosome...	(65451)	65451	65461	65472	65483	65494	65505	65516	65527
	(65451)	TGAAAATGATATTTTTTATTTTTTATCTATTGAAGGATCAATAAAAATAAAAAACTTATGGGAGTACTTCTCCTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 852							
Candidatus Carsonella ruddii strain BT chromosome...	(65528)	65528	65538	65549	65560	65571	65582	65593	65604
	(65528)	ATCAAGTTTTAAATTCATTCAAGAGCAAAATTTTTTTTAAATAATATTATTTTAAATTTAAATGATAGAAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 853							
Candidatus Carsonella ruddii strain BT chromosome...	(65605)	65605	65615	65626	65637	65648	65659	65670	65681
	(65605)	AAAATATTGAAAATAAAATATTAATTAATAAAATTTTAATAAATGTATTTTTTCAAAAATTGAATTACCTATTTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 854							
Candidatus Carsonella ruddii strain BT chromosome...	(65682)	65682	65692	65703	65714	65725	65736	65747	65758
	(65682)	GTTTATGATTATAAAAAATAATTTTAAATTGTTTTTTTATAAAAAATTAATTTTTTTTGTTTTTTATTCAATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 855							
Candidatus Carsonella ruddii strain BT chromosome...	(65759)	65759	65769	65780	65791	65802	65813	65824	65835
	(65759)	ATCTAATGATAATTTATTTTTATTAAAAATAATAACAATATAATTAATAAATTTGATATTGTTTCAATTGGAGAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 856							
Candidatus Carsonella ruddii strain BT chromosome...	(65836)	65836	65846	65857	65868	65879	65890	65901	65912
	(65836)	TTAAAAAATTTTATTAATTTCTATTAAAAACCTTATATTATTTTTCTGGAAGTGGTAAAAATATATCAGAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 857							
Candidatus Carsonella ruddii strain BT chromosome...	(65913)	65913	65923	65934	65945	65956	65967	65978	65989
	(65913)	TTAATTTTCATTAAATTTAAACATATTTTGTTTAAATATTGAGTCAATACAAGAATTTATAAAAAATTTTTTTTTTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 858							
Candidatus Carsonella ruddii strain BT chromosome...	(65990)	65990	66000	66011	66022	66033	66044	66055	66066
	(65990)	AAAAAATATATAAAAAAAATTAATTTAATGATTAGAAATTAATCCTAATATTGATGCTAAACTCATGAAAAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 859									
Candidatus Carsonella ruddii strain BT chromosome...	(66067)	66067	66077	66088	66099	66110	66121	66132	66143
Candidatus Carsonella 135557 - 167442nt	(66067)	GTACTGGTATTAAAGTTAATAAATTTGGAATTTTCAGTAATAAATTTAAAAAATTTATTTATTTTAAATAAAATTACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 860									
Candidatus Carsonella ruddii strain BT chromosome...	(66144)	66144	66154	66165	66176	66187	66198	66209	66220
Candidatus Carsonella 135557 - 167442nt	(66144)	AAATTAAATATTATTGGTTATGATTTTCATATAGGTTCTCAAATCGAAAAATATCTCCTATTAAAAAATTATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 861									
Candidatus Carsonella ruddii strain BT chromosome...	(66221)	66221	66231	66242	66253	66264	66275	66286	66297
Candidatus Carsonella 135557 - 167442nt	(66221)	TTTAATTATTAATTTATATAAAATTAATAAATTTGATTATTTAGATATAGGTGGAGGAATAGGTGTTAATTATTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 862									
Candidatus Carsonella ruddii strain BT chromosome...	(66298)	66298	66308	66319	66330	66341	66352	66363	66374
Candidatus Carsonella 135557 - 167442nt	(66298)	TTAATAAAAAATATTATTAAATTTTCTAATTATTATAATATAATAATTAATAATTTAAAAAATTTAATTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 863									
Candidatus Carsonella ruddii strain BT chromosome...	(66375)	66375	66385	66396	66407	66418	66429	66440	66451
Candidatus Carsonella 135557 - 167442nt	(66375)	AAAATTTTTTTTAGAAATTGGAAGATATTTTTTAACAAATTCATGTATATTATTTCAAAAATTAATTACATAAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 864									
Candidatus Carsonella ruddii strain BT chromosome...	(66452)	66452	66462	66473	66484	66495	66506	66517	66528
Candidatus Carsonella 135557 - 167442nt	(66452)	TAATAAATCTAATAATTTAACTATTTTAAATTTAGGAATGAATGATATAATCAGACCATCTTTGTATGATTCTTATC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 865							
Candidatus Carsonella ruddii strain BT chromosome...	(66529)	66529	66539	66550	66561	66572	66583	66594	66605
	(66529)	ATAAAAATTGAAAATAATAATATAGGTAATAAAATAAAAAATTTTTTGGTCCTATATGTGAATCAAGTGATAAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 866							
Candidatus Carsonella ruddii strain BT chromosome...	(66606)	66606	66616	66627	66638	66649	66660	66671	66682
	(66606)	ATAAATAATAAATTTTAAATGTTAAAAATAATTCAATTATTTTTTTTTATTCTAGTGGAAGTTATTGTAAAGTTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 867							
Candidatus Carsonella ruddii strain BT chromosome...	(66683)	66683	66693	66704	66715	66726	66737	66748	66759
	(66683)	GAGTAATAATTATAATTCATAATTTAAATTTATGAAATTATTGTTTATAAAAAATAAAATTAATAATATTTAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 868							
Candidatus Carsonella ruddii strain BT chromosome...	(66760)	66760	66770	66781	66792	66803	66814	66825	66836
	(66760)	TTGAAAAATTTAAAAATATAATAAAAAATTATGCTTAAATTTTAAAAATTACATGCTAATGGTAATGATTTTTTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 869							
Candidatus Carsonella ruddii strain BT chromosome...	(66837)	66837	66847	66858	66869	66880	66891	66902	66913
	(66837)	CATTTTTAGTTTAAAAAAAATAATTTTTTAAAAAATATTTAAATAAAAAAACTGGAATAAGTTGTGATCAATTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 870							
Candidatus Carsonella ruddii strain BT chromosome...	(66914)	66914	66924	66935	66946	66957	66968	66979	66990
	(66914)	TTATTATAAAAAGTATAAATTATAAAAAATAAATTTATAAATATAAAAAATTTTAATAATAATTTAATTGAAGCTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 871							
Candidatus Carsonella ruddii strain BT chromosome...	(66991)	66991	67001	67012	67023	67034	67045	67056	67067
	(66991)	AATTGTGGAATGGTATAAGATGTTTATCTTGTTTTTTTTTATTAAAAATTAAAAAATTTATTTTATTAATTTTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 872							
Candidatus Carsonella ruddii strain BT chromosome...	(67068)	67068	67078	67089	67100	67111	67122	67133	67144
	(67068)	ATTAAATAAAAAATTTTATTTATTCTTGGAACCTAAAAAACTTTTTTACTTCTTATAAAATTCAAAAATAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 873							
Candidatus Carsonella ruddii strain BT chromosome...	(67145)	67145	67155	67166	67177	67188	67199	67210	67221
	(67145)	TAAAAATAATTTTTAGATTTGAAAATATTTTTTAAAAATCTTGTTTTGTAAATTTATTGAATTTACACATTATTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 874							
Candidatus Carsonella ruddii strain BT chromosome...	(67222)	67222	67232	67243	67254	67265	67276	67287	67298
	(67222)	ATTGTTAAAAATATTAATTCTAATAATTTAATTTTTTAAAAAATAATTTTTCATTTTAAAGATAATTATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 875							
Candidatus Carsonella ruddii strain BT chromosome...	(67299)	67299	67309	67320	67331	67342	67353	67364	67375
	(67299)	TATTGAATTTATTCAAATAATAAAAAATAATAATTTTTATATCAGAATTTTGAAAAAATGTAGGAGAAACATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 876							
Candidatus Carsonella ruddii strain BT chromosome...	(67376)	67376	67386	67397	67408	67419	67430	67441	67452
	(67376)	CTTGTGGATCAGGAATTATAAGTTCATGTTGTTATATTAAAAAATTTTTTTTTTAAATTCAAATATTTTTATAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 877									
Candidatus Carsonella ruddii strain BT chromosome...	(67453)	67453	67463	67474	67485	67496	67507	67518	67529
Candidatus Carsonella 135557 - 167442nt	(67453)	TCTTTAGGAGGAAATTGTATTGTTAGTTTTAGTAAAAAATTTGTTATTATTAATGGTAAAGTTAATTTTTGTTTTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 878									
Candidatus Carsonella ruddii strain BT chromosome...	(67530)	67530	67540	67551	67562	67573	67584	67595	67606
Candidatus Carsonella 135557 - 167442nt	(67530)	CGGTTATATATAATGTTTAAAAAATTTTATATTATTGGAAAAATAAGTATTTTTTTTTTAATAAAAAAAGAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 879									
Candidatus Carsonella ruddii strain BT chromosome...	(67607)	67607	67617	67628	67639	67650	67661	67672	67683
Candidatus Carsonella 135557 - 167442nt	(67607)	TAAATCTGGTGCAGCAACTTATAATTATATAAATGTTAATTTTTTAATTAAAAAATCATTCAAATTTATTTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 880									
Candidatus Carsonella ruddii strain BT chromosome...	(67684)	67684	67694	67705	67716	67727	67738	67749	67760
Candidatus Carsonella 135557 - 167442nt	(67684)	AACAAAATTGTTATCGTCAATTTGATTCTTACTTGTTTAAAAAATAAATTATCAATTCATAATCAATTACAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 881									
Candidatus Carsonella ruddii strain BT chromosome...	(67761)	67761	67771	67782	67793	67804	67815	67826	67837
Candidatus Carsonella 135557 - 167442nt	(67761)	ATTTGTAAACCTATTCCAATTAATTTTTTAAACAATTTATAAAAAATCAATATTTTTTTTAAAAAATATTTTTTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 882									
Candidatus Carsonella ruddii strain BT chromosome...	(67838)	67838	67848	67859	67870	67881	67892	67903	67914
Candidatus Carsonella 135557 - 167442nt	(67838)	AAAAGACAATTGGAAATCTCCTTTATTAGGAGCAAAAGGAATAGGTTATGAAGTTATTAGTAATAATATAGAAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 883							
Candidatus Carsonella ruddii strain BT chromosome...	(67915)	67915	67925	67936	67947	67958	67969	67980	67991
	(67915)	CACAAATAACAATTTTTATTTTTTTGGTAATAAAAAATTAAACATTCCTATTTTAGAAATTACTTATGGTATTGAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 884							
Candidatus Carsonella ruddii strain BT chromosome...	(67992)	67992	68002	68013	68024	68035	68046	68057	68068
	(67992)	AGAATTAATAGTTTAAAAAATGTAAATTTTATAAACGAAAAATTTATATCTATAAATAATTTTTTAATAAATTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 885							
Candidatus Carsonella ruddii strain BT chromosome...	(68069)	68069	68079	68090	68101	68112	68123	68134	68145
	(68069)	TATTAAAAAATTATATTATTATATAATCAATGTTTATTAAATTTAAAAAATAACATTTTTATCATATTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 886							
Candidatus Carsonella ruddii strain BT chromosome...	(68146)	68146	68156	68167	68178	68189	68200	68211	68222
	(68146)	TTTTTATAAAAAATAACAAATTATTTTAATTTAATTGATGAATTTTATTTAATTAATAATTATAATAGAAATTAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 887							
Candidatus Carsonella ruddii strain BT chromosome...	(68223)	68223	68233	68244	68255	68266	68277	68288	68299
	(68223)	ATTAATTTGATTAAAAATTATTTCTAATAATATAAATAAAAAAATTAATGTTTGTTAAAAATATTATAAAAAAATAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 888							
Candidatus Carsonella ruddii strain BT chromosome...	(68300)	68300	68310	68321	68332	68343	68354	68365	68376
	(68300)	TTAAAATAATTTTTAAAAAATTTTTTTAATATATTTTTTTTATTTTAAAAAATATATAATTAAAAAATTAATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 889							
Candidatus Carsonella ruddii strain BT chromosome...	(68377)	68377	68387	68398	68409	68420	68431	68442	68453
	(68377)	AAAATCAATATAAAATTAAAAATATTTTTTTATAAGTATAAAAAATTTAATTAATAATAAAAAATATTTTTTTTTATC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 890							
Candidatus Carsonella ruddii strain BT chromosome...	(68454)	68454	68464	68475	68486	68497	68508	68519	68530
	(68454)	ACTTTTTTTTTAAAAAATAAAAAATATTTTTTTAATAAAAAATATTTTAAATTTTAAAAAAAATTTTTTAATATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 891							
Candidatus Carsonella ruddii strain BT chromosome...	(68531)	68531	68541	68552	68563	68574	68585	68596	68607
	(68531)	AAGAAAATTTTAAATTTTTTAAGAAAAATAAAAAATTTTTTATTTTTTAAAAAAAATTTTTTTTATAAATTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 892							
Candidatus Carsonella ruddii strain BT chromosome...	(68608)	68608	68618	68629	68640	68651	68662	68673	68684
	(68608)	ATTTATAAAAAGAATAAAAAAAGATTTTTTTAATTTTAAATAATAATAATAAGAAACACCCAATTTAATTTTTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 893							
Candidatus Carsonella ruddii strain BT chromosome...	(68685)	68685	68695	68706	68717	68728	68739	68750	68761
	(68685)	ATATTATTGTTATTTAAATTATTTTTTTAATAAAAAAAAATATAAAAAATTTATAAATATTAGATTATCATCTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 894							
Candidatus Carsonella ruddii strain BT chromosome...	(68762)	68762	68772	68783	68794	68805	68816	68827	68838
	(68762)	ATAAAATTATATTTTTATAACAATTTTTTTAATATTAAAAATTATTTAATACCTATAGAACACTATAGGAAATTAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 895							
Candidatus Carsonella ruddii strain BT chromosome...	(68839)	68839	68849	68860	68871	68882	68893	68904	68915
	(68839)	AATAATTTTAAATATTCGATGCTTGTAATCCTTTTTTACCTTGAGTAACATCAAAACTCACTCTTTGTCCATCTTGTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 896							
Candidatus Carsonella ruddii strain BT chromosome...	(68916)	68916	68926	68937	68948	68959	68970	68981	68992
	(68916)	ATGATTTAAATCCATCAAGTTTTATTTCTGAAAAATGAACAAATAAATCATCACCTCCATCATCAGGAGATATAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 897							
Candidatus Carsonella ruddii strain BT chromosome...	(68993)	68993	69003	69014	69025	69036	69047	69058	69069
	(68993)	CCGAATCCTTTTGTATCATTAACCATTTTACTGTTCCAGTTGCCATATTTTATAGAAAAACGAAAAAATTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 898							
Candidatus Carsonella ruddii strain BT chromosome...	(69070)	69070	69080	69091	69102	69113	69124	69135	69146
	(69070)	TAATTTTTTGTAAAAATACAGAAAAACAATGTTATATATATCCTATAGTTTTAAACAATATTCTATATTTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 899							
Candidatus Carsonella ruddii strain BT chromosome...	(69147)	69147	69157	69168	69179	69190	69201	69212	69223
	(69147)	TTTATAAGAATGTTTTTAAAAACAACATAATTTTTTATTTATAAAATAATTTAAAAATATATATTTATTTTTTTTGT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 900							
Candidatus Carsonella ruddii strain BT chromosome...	(69224)	69224	69234	69245	69256	69267	69278	69289	69300
	(69224)	TTTTCAATTTAAAAATATATTTTGAATTAAAAACAAAAAATAATTTTACCTTTTTTAAAAATAAATTTTAAATTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 901							
Candidatus Carsonella ruddii strain BT chromosome...	(69301)	69301	69311	69322	69333	69344	69355	69366	69377
	(69301)	AATAAATTATTTTTTCCATTGTTTTAAAAAATAAATAATTTCTGTTTAAAGAAATTATTATTTTTTTTTCTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 902							
Candidatus Carsonella ruddii strain BT chromosome...	(69378)	69378	69388	69399	69410	69421	69432	69443	69454
	(69378)	TAAAAAGAAAAAAAAATATTTTTTTTTTTTTTATATTTATTAATATAATATTTTTTTTTTTAAAAATAAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 903							
Candidatus Carsonella ruddii strain BT chromosome...	(69455)	69455	69465	69476	69487	69498	69509	69520	69531
	(69455)	AATTCAATTCTTCTTGAACATAAAATTGATTTTCTTTTTTGTATAAAATAAAAAATATTATTATTTATAAAAGAAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 904							
Candidatus Carsonella ruddii strain BT chromosome...	(69532)	69532	69542	69553	69564	69575	69586	69597	69608
	(69532)	TTTTTTTTTTTTTAAAAAAATCATTAAAAAATTTATTTTAAATAAAAAATTAACGTAAATTAATTTAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 905							
Candidatus Carsonella ruddii strain BT chromosome...	(69609)	69609	69619	69630	69641	69652	69663	69674	69685
	(69609)	TAATTTTAAATATTTTTTCCAACTTAAATAAAAAATTTATTTTAAAAATATAATTATATTGTTTTTTTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 906							
Candidatus Carsonella ruddii strain BT chromosome...	(69686)	69686	69696	69707	69718	69729	69740	69751	69762
	(69686)	ATTTAATATTATTTTTATTTTTTAAATTTGTTTTTACAATAAAAAATTATAATATTCATTAAATATTAAATGTTTTTCG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 907							
Candidatus Carsonella ruddii strain BT chromosome...	(69763)	69763	69773	69784	69795	69806	69817	69828	69839
	(69763)	TATTTAATATTTAAAATTTTTCTATAAAATATTCAACATTTGTAAAAAAATATTTTTTTTAAAAACAACATTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 908							
Candidatus Carsonella ruddii strain BT chromosome...	(69840)	69840	69850	69861	69872	69883	69894	69905	69916
	(69840)	AATTTTTAAAATATTTTTATTTTTATTTTTATTTTATTTTAAAAATATTAATAAAAAATTAATTTTTTTAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 909							
Candidatus Carsonella ruddii strain BT chromosome...	(69917)	69917	69927	69938	69949	69960	69971	69982	69993
	(69917)	AAATTTGAAAATTAAAATATTTTTCTAAAAACAATTTTCATTTAACATAAAAAAATATGAAAAAATAATTGTTGC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 910							
Candidatus Carsonella ruddii strain BT chromosome...	(69994)	69994	70004	70015	70026	70037	70048	70059	70070
	(69994)	TCAAGCAACTTCAGAAGGTTATGCATCAGTTTGCATAGTAAGAATTTTCAGGTGAACATGTAAACAATTTATTGAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 911							
Candidatus Carsonella ruddii strain BT chromosome...	(70071)	70071	70081	70092	70103	70114	70125	70136	70147
	(70071)	CTTTAATAAAAGTAAATTA AAAACTCAAAAATTAACATATACAAGATTATATGATTTAAATAATAATTTTATAGAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 912							
Candidatus Carsonella ruddii strain BT chromosome...	(70148)	70148	70158	70169	70180	70191	70202	70213	70224
	(70148)	TTTATATTAATAGTTTATTTTAAAGGACCTAAATCTTTAACAGGAGATGATATTATAGAATTTTCATTTACATGGAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 913							
Candidatus Carsonella ruddii strain BT chromosome...	(70225)	70225	70235	70246	70257	70268	70279	70290	70301
	(70225)	TATTTTATTATCTAAAAAATTAATAAAAAATATTATTGTTAATGGGTGCTAAAGTAGCAAAACCAGGAGAATTTTATAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 914							
Candidatus Carsonella ruddii strain BT chromosome...	(70302)	70302	70312	70323	70334	70345	70356	70367	70378
	(70302)	AAAAAAGATATTTAAATGGTAAAATTCATTAATAGAATGTGAAATTATTAACAACAAAATTTCTTTTATAATGAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 915							
Candidatus Carsonella ruddii strain BT chromosome...	(70379)	70379	70389	70400	70411	70422	70433	70444	70455
	(70379)	AATATGTTTAAATTTAAATTTAAATTCACAAAAAATATTTTTTTATCTATAATTAAAAATTCAAAATTTAGATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 916							
Candidatus Carsonella ruddii strain BT chromosome...	(70456)	70456	70466	70477	70488	70499	70510	70521	70532
	(70456)	TATGTTAATAATTTGTTTAGAAAAATCTTTTATAAATGAAAAAGATACATTTTTAAATGATTTTATTTTTTAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 917							
Candidatus Carsonella ruddii strain BT chromosome...	(70533)	70533	70543	70554	70565	70576	70587	70598	70609
	(70533)	AATTTTTAAAAAATTTAAAAAATTAATAAATATATTATTAAATAAAATAAAATAAAATAAAATATTTAAAAACAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 918							
Candidatus Carsonella ruddii strain BT chromosome...	(70610)	70610	70620	70631	70642	70653	70664	70675	70686
	(70610)	TTTGAAATATTAATAATGGGAAAGAGAAATGTTGGAAAAATCAACATTATTTAATAAAATGTGTTTAAATTATTATTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 919									
Candidatus Carsonella ruddii strain BT chromosome...	(70687)	70687	70697	70708	70719	70730	70741	70752	70763
Candidatus Carsonella 135557 - 167442nt	(70687)	TATTGTTACAAATATACCAGGA	ACTACAAAAAACATTATTTCAA	AAAGAAATTTTTTTTTTCTTCT	AAAAATATTAATT				
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Section 920									
Candidatus Carsonella ruddii strain BT chromosome...	(70764)	70764	70774	70785	70796	70807	70818	70829	70840
Candidatus Carsonella 135557 - 167442nt	(70764)	TAAATGATACAGCAGGATTAAA	ATTAAAACTAAAAATTTTATTG	AAAAATAGGAATTTTAAGAAAT	ATTAATAAA				
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Section 921									
Candidatus Carsonella ruddii strain BT chromosome...	(70841)	70841	70851	70862	70873	70884	70895	70906	70917
Candidatus Carsonella 135557 - 167442nt	(70841)	ATATTAAAAAGCGATTTAATTAT	TTTATATAGTAGATAAAATTTA	ATATTTAAAAATATTTTTTACA	ATATGCCTTTAA				
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Section 922									
Candidatus Carsonella ruddii strain BT chromosome...	(70918)	70918	70928	70939	70950	70961	70972	70983	70994
Candidatus Carsonella 135557 - 167442nt	(70918)	TTTTTTAAAAAAATAAAAAATA	ATCTTTTAATTATTGTTATTA	ATAAATGTGATTTATTTGGA	ATACCAGAAGGTT				
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Section 923									
Candidatus Carsonella ruddii strain BT chromosome...	(70995)	70995	71005	71016	71027	71038	71049	71060	71071
Candidatus Carsonella 135557 - 167442nt	(70995)	TTTATAAAATGAAATCTATTATT	GTTATTTTTTTTAAATGCTAA	AAATAGTGTTATTATTAATA	ATTTAAATGTTTT				
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----
Section 924									
Candidatus Carsonella ruddii strain BT chromosome...	(71072)	71072	71082	71093	71104	71115	71126	71137	71148
Candidatus Carsonella 135557 - 167442nt	(71072)	ATAAGTAAATAATAACAAATA	AAAAAATTTTAGATAATAAT	TACATTATACTAATATATATA	CATTATATAATAA				
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----	-----	-----	-----	-----	-----	-----	-----

Section 925									
Candidatus Carsonella ruddii strain BT chromosome...	(71149)	71149	71159	71170	71181	71192	71203	71214	71225
Candidatus Carsonella 135557 - 167442nt	(71149)	ATGTAGTAAATTTTATGAAAATTTTTTTTGTAGTTATGATTTAATATTAGAAAACATAATTAATTTTCAAAAAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 926									
Candidatus Carsonella ruddii strain BT chromosome...	(71226)	71226	71236	71247	71258	71269	71280	71291	71302
Candidatus Carsonella 135557 - 167442nt	(71226)	TTTTAAAAATATCAGGAGAATACACAAATAACGTAATTTTAAATTCTATTTTTAGAAATTTTGTATGGGTAAATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 927									
Candidatus Carsonella ruddii strain BT chromosome...	(71303)	71303	71313	71324	71335	71346	71357	71368	71379
Candidatus Carsonella 135557 - 167442nt	(71303)	TGATATTTAATATAATTATTATAGGTGGAGGACATTCAGGAATAGAAGCATGTTTGTCTTCTTCAAAAATTTGTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 928									
Candidatus Carsonella ruddii strain BT chromosome...	(71380)	71380	71390	71401	71412	71423	71434	71445	71456
Candidatus Carsonella 135557 - 167442nt	(71380)	AAAACAAAATTAATTTTCATCAAATTTAGAAAATTTAGGAATGTTATCATGTAATCCTTCAATAGGTGGTGTGGAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 929									
Candidatus Carsonella ruddii strain BT chromosome...	(71457)	71457	71467	71478	71489	71500	71511	71522	71533
Candidatus Carsonella 135557 - 167442nt	(71457)	AAGTCATTTAATAAAAGAATTAGAAATTTAGGTGGAATAATATCTGAAGCTTCTGATTATTCTAGAATTCATTCTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 930									
Candidatus Carsonella ruddii strain BT chromosome...	(71534)	71534	71544	71555	71566	71577	71588	71599	71610
Candidatus Carsonella 135557 - 167442nt	(71534)	AAATTTTAAATTTTAAAAAAGGGGAATCTATTCATTCTTTAAGGTATCAAATAGATAGAATTTTATATAAAAATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 931									
Candidatus Carsonella ruddii strain BT chromosome...	(71611)	71611	71621	71632	71643	71654	71665	71676	71687
Candidatus Carsonella 135557 - 167442nt	(71611)	ATTTTAAAAATTTTATTTATTAAAAAAATATTTTAATTGAACAAAATGATATTAAAAATATTATAAGATTTAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 932									
Candidatus Carsonella ruddii strain BT chromosome...	(71688)	71688	71698	71709	71720	71731	71742	71753	71764
Candidatus Carsonella 135557 - 167442nt	(71688)	AAAAATATTATTAATAGATAAAATTTAATTGTATACATATTACAAAAATATAATACTATGTGCTGGAACCTTTATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 933									
Candidatus Carsonella ruddii strain BT chromosome...	(71765)	71765	71775	71786	71797	71808	71819	71830	71841
Candidatus Carsonella 135557 - 167442nt	(71765)	ATTCAAAAATTTGTATAGGTAAAAATATTTTAAATATGGAAGATATAATGAAAAGACATTTTATTTATCTAAATCA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 934									
Candidatus Carsonella ruddii strain BT chromosome...	(71842)	71842	71852	71863	71874	71885	71896	71907	71918
Candidatus Carsonella 135557 - 167442nt	(71842)	TTAAAAAAATTAATTTATTTATAAATAAATTAAAAACAGGAACACCACCTAGAATAGATATAAATCATATTAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 935									
Candidatus Carsonella ruddii strain BT chromosome...	(71919)	71919	71929	71940	71951	71962	71973	71984	71995
Candidatus Carsonella 135557 - 167442nt	(71919)	TAAAAAATTAATTATACAATATAGTGATTATTCTTATTATTTTGGTAAAAATTTTAATTTTAATAATAATATTAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 936									
Candidatus Carsonella ruddii strain BT chromosome...	(71996)	71996	72006	72017	72028	72039	72050	72061	72072
Candidatus Carsonella 135557 - 167442nt	(71996)	GTTTTGTTACTAATACAAATTTAAAATTACATAATTTTATTAAAAAAAATTAATCAACATCATTATATATAGGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 937									
Candidatus Carsonella ruddii strain BT chromosome...	(72073)	72073	72083	72094	72105	72116	72127	72138	72149
Candidatus Carsonella 135557 - 167442nt	(72073)	AATATATCTAGTTTAGGACCAAGATATTGTCCTTCTATAGAAGATAAAATATATAAAATTTTTATCAAAAAATAATCA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 938									
Candidatus Carsonella ruddii strain BT chromosome...	(72150)	72150	72160	72171	72182	72193	72204	72215	72226
Candidatus Carsonella 135557 - 167442nt	(72150)	TCAAATTTTTTTAGAACCTGAAGGATTTTATAGTAAAGAAATATATTTAAATGGTTTATCTACATCTTTATCTTTGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 939									
Candidatus Carsonella ruddii strain BT chromosome...	(72227)	72227	72237	72248	72259	72270	72281	72292	72303
Candidatus Carsonella 135557 - 167442nt	(72227)	ATAATCAAAAAAAAAATAATAAAAAAAAAATAAAGGATTAGAAAAATCTTTAATTATTAGATTTGCATATAATATTGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 940									
Candidatus Carsonella ruddii strain BT chromosome...	(72304)	72304	72314	72325	72336	72347	72358	72369	72380
Candidatus Carsonella 135557 - 167442nt	(72304)	TATGATTATTTTGATCCAAGATGTTTAAATATTACTTTAAATATTAAATTTGCAAATAATATTTTTTATGTGGACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 941									
Candidatus Carsonella ruddii strain BT chromosome...	(72381)	72381	72391	72402	72413	72424	72435	72446	72457
Candidatus Carsonella 135557 - 167442nt	(72381)	AATAAATGGATCAACAGGTTATGAAGAAGCAGCAGTACAAGGTTTTGTAGCAGGTGTAAATGCTGCTAGAAAAAGTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 942									
Candidatus Carsonella ruddii strain BT chromosome...	(72458)	72458	72468	72479	72490	72501	72512	72523	72534
Candidatus Carsonella 135557 - 167442nt	(72458)	TTAATTTATTATTATGGAAACCAAAAAATGGAATTCATATATTGGAGTTTTAATAAATGATCTTATTAATATTGGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

		Section 943							
Candidatus Carsonella ruddii strain BT chromosome...	(72535)	72535	72545	72556	72567	72578	72589	72600	72611
	(72535)	ATTAGTGAACCATATAGAATTTTTACTTCTAAATCAAATTTAGATTATTTTAAAGAATGGATAATTCTTTATATAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 944							
Candidatus Carsonella ruddii strain BT chromosome...	(72612)	72612	72622	72633	72644	72655	72666	72677	72688
	(72612)	ATTAACAAATTTAGGTTTTTTAATTGGAACATTACTAAATTTAAATTTAAATTTTATAATAATTATATATATAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 945							
Candidatus Carsonella ruddii strain BT chromosome...	(72689)	72689	72699	72710	72721	72732	72743	72754	72765
	(72689)	CTTACAATAATTTATTAGATTTTTTAAATATAATTTAAAAAAATTTTAATATTTATAAAAAATATTATAATAATG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 946							
Candidatus Carsonella ruddii strain BT chromosome...	(72766)	72766	72776	72787	72798	72809	72820	72831	72842
	(72766)	TCTAAATATTATGGATATATTAAAAAATATTTATTTAAGTTTAAATTTTATTAAAAATAATTCATTATTTGATAATG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 947							
Candidatus Carsonella ruddii strain BT chromosome...	(72843)	72843	72853	72864	72875	72886	72897	72908	72919
	(72843)	ATATTAATTTAATTTCTTTAGTATTTAAATATTTTATATTTTATTTATTTATTTATTAATTAACATATCTAAAGTATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 948							
Candidatus Carsonella ruddii strain BT chromosome...	(72920)	72920	72930	72941	72952	72963	72974	72985	72996
	(72920)	ATTTATTTTAAAAATTTTATAAATAAATCAATTAATAAGAAAAATAGAAAAATTTTACTTTTTTTTATAAGTTTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 949							
Candidatus Carsonella ruddii strain BT chromosome...	(72997)	72997	73007	73018	73029	73040	73051	73062	73073
	(72997)	TTTTTTTAAATATATTAATTTATAATTTATCAGATATTTTACCTAATGATTTATTAAAAAATATTTTAAAAAAGAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 950							
Candidatus Carsonella ruddii strain BT chromosome...	(73074)	73074	73084	73095	73106	73117	73128	73139	73150
	(73074)	TTAATATTGTTGCTACTTCTAATATAAATATTACTTTTAGTTTTCTATAATTTCTTTTTTAATAATAAATTATTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 951							
Candidatus Carsonella ruddii strain BT chromosome...	(73151)	73151	73161	73172	73183	73194	73205	73216	73227
	(73151)	TCAATTAAAAAAATGGTATCTCAAATTTTATTTTGTACTTTTTAAAAAATCCAATAAAAAAAATATATGTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 952							
Candidatus Carsonella ruddii strain BT chromosome...	(73228)	73228	73238	73249	73260	73271	73282	73293	73304
	(73228)	TTTTAATTTTATAATTGAATTTATTTTCATTTGTAATGAAACCTATATCATTATCTTTAAGATTATTTGGTAATATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 953							
Candidatus Carsonella ruddii strain BT chromosome...	(73305)	73305	73315	73326	73337	73348	73359	73370	73381
	(73305)	TTTCATCAGAAATAATATTTAATTTAATAAATAATATGAATATTTTTTTCAACATATTATTAAATTTATTATGGGGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 954							
Candidatus Carsonella ruddii strain BT chromosome...	(73382)	73382	73392	73403	73414	73425	73436	73447	73458
	(73382)	ATATTTTCATTATTTTAGTTTTACCTTTACAAGCTTATATTTTTACTACATTGATTACTATATATGTTTCACAATCATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 955							
Candidatus Carsonella ruddii strain BT chromosome...	(73459)	73459	73469	73480	73491	73502	73513	73524	73535
	(73459)	AAAACATTAAATATATGGAAAAATTTTAATATTATCATCTGCAATAATGATGGGATTAGCATCAGTAGGTACTGGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 956							
Candidatus Carsonella ruddii strain BT chromosome...	(73536)	73536	73546	73557	73568	73579	73590	73601	73612
	(73536)	ATTGGATTGGTTTTTTAGGAGGTAAATTGTTAGAATCTATTTCAAGACAACCTGAATTAGATAATTTATTGTTAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 957							
Candidatus Carsonella ruddii strain BT chromosome...	(73613)	73613	73623	73634	73645	73656	73667	73678	73689
	(73613)	TAGAACATTTTTAATAACTGGTTTGCTAGATGCAGTACCAATGATAAGTGTAGGTATAGGATTGTATATTATTTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 958							
Candidatus Carsonella ruddii strain BT chromosome...	(73690)	73690	73700	73711	73722	73733	73744	73755	73766
	(73690)	TATTATCAAATAAATAATATGAATATAAATTTTACATTAATTAATGAATTTTTATCTTTTTTAATTTTTTTGTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 959							
Candidatus Carsonella ruddii strain BT chromosome...	(73767)	73767	73777	73788	73799	73810	73821	73832	73843
	(73767)	TTCATTTATTTTTATTTTCCTAAAATTATAAATATTATAAATTATAATGATTTAAATGATTTTAAAAACAAAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 960							
Candidatus Carsonella ruddii strain BT chromosome...	(73844)	73844	73854	73865	73876	73887	73898	73909	73920
	(73844)	TTTTAAATTATAACAAAACATTAGAAAATAATTTAATTAAAAAATATTTATAATAGAATTTGAAATTCAAAAACAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

									Section 961
	(73921)	73921	73931	73942	73953	73964	73975	73986	73997
Candidatus Carsonella ruddii strain BT chromosome...	(73921)	TTTGACAAAAATATTAAAAATATAAATAATAATATATTAAAAAAAAAAAAATTTTTTACTTGATATTATAATATTAGA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 962
	(73998)	73998	74008	74019	74030	74041	74052	74063	74074
Candidatus Carsonella ruddii strain BT chromosome...	(73998)	AAAAAATTTTTTTATTAAAAAAATTAAAAAAATTTTTTAATTTAATAAATTATAAATTATATTAAAAATTTTTTATAATG							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 963
	(74075)	74075	74085	74096	74107	74118	74129	74140	74151
Candidatus Carsonella ruddii strain BT chromosome...	(74075)	AATTAAAAATAAATTTGTACAAATTTTTAAAAAAATTTTTTAATAATATTATAAATTATAACAAGAATTTATTATA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 964
	(74152)	74152	74162	74173	74184	74195	74206	74217	74228
Candidatus Carsonella ruddii strain BT chromosome...	(74152)	ATATGAATATTTTTTTTTTTTAAAAAATATAAAATAAAAAATTATCAAAAAGAATTTTTTTTTTTGTTTTTTATAAGTTTA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 965
	(74229)	74229	74239	74250	74261	74272	74283	74294	74305
Candidatus Carsonella ruddii strain BT chromosome...	(74229)	ATATTATTAAAAAAAATATAAAAAAGAATATTAAAAAAAATAAAAAAATTATATTTAATAATAAAATTGAAAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 966
	(74306)	74306	74316	74327	74338	74349	74360	74371	74382
Candidatus Carsonella ruddii strain BT chromosome...	(74306)	ATATTTAATAAAAAATTGTAGTTAAAAAATATGAATAATTATGGTATTATTAATAAAAATATATGATGGAATAGTAGAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 967									
Candidatus Carsonella ruddii strain BT chromosome...	(74383)	74383	74393	74404	74415	74426	74437	74448	74459
Candidatus Carsonella 135557 - 167442nt	(74383)	GTAAATGGATTAAATTCCGCAAAATATGGTGAAATGATTCTTTTTGAAAACGATCAAAAAGGAATAGTTTTTAGTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 968									
Candidatus Carsonella ruddii strain BT chromosome...	(74460)	74460	74470	74481	74492	74503	74514	74525	74536
Candidatus Carsonella 135557 - 167442nt	(74460)	AAACAAAAATAATGTTAATATTGTATTATTAAATAATTTTGAAAATTTAAACAAGGACAAAAATGTTTTGTACTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 969									
Candidatus Carsonella ruddii strain BT chromosome...	(74537)	74537	74547	74558	74569	74580	74591	74602	74613
Candidatus Carsonella 135557 - 167442nt	(74537)	ATAAAATATTTGAAGTACCTGTTGGTTATGAATTAATTGGAAGAATTATAAATTCAAAAGGAGAGTTTATAGATAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 970									
Candidatus Carsonella ruddii strain BT chromosome...	(74614)	74614	74624	74635	74646	74657	74668	74679	74690
Candidatus Carsonella 135557 - 167442nt	(74614)	AAAAAAAAATATTAATATTTTTTAAAAAAGACATAATTGAAAAAATAGCTCCAGGAGTAATGGAAAGAGAATCTGTGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 971									
Candidatus Carsonella ruddii strain BT chromosome...	(74691)	74691	74701	74712	74723	74734	74745	74756	74767
Candidatus Carsonella 135557 - 167442nt	(74691)	TGAACCATTATTAACAGGAATAAAATCTATTGATTGTATGATACCAATAGGTAAAGGACAAAGAGAATTAATTATAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 972									
Candidatus Carsonella ruddii strain BT chromosome...	(74768)	74768	74778	74789	74800	74811	74822	74833	74844
Candidatus Carsonella 135557 - 167442nt	(74768)	GAGATAGACAAACCGGGAAAACAACAATAGCTATTGATTCTATTATTAATCAAAAAAATAAAATGTAATTTGTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 973									
Candidatus Carsonella ruddii strain BT chromosome...	(74845)	74845	74855	74866	74877	74888	74899	74910	74921
Candidatus Carsonella 135557 - 167442nt	(74845)	TATGTATGTATAGGTCAAAAAATTTCTTCATTAATAAAATGTAATTAATAAACTTAAAAAATTTAATTGTTTAGAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 974									
Candidatus Carsonella ruddii strain BT chromosome...	(74922)	74922	74932	74943	74954	74965	74976	74987	74998
Candidatus Carsonella 135557 - 167442nt	(74922)	TACAATTATTATAGCAGCTACTGCTGCTGATTGCGCAGCGGAACAATATATAGCTCCATATACAGGTTGTACAATAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 975									
Candidatus Carsonella ruddii strain BT chromosome...	(74999)	74999	75009	75020	75031	75042	75053	75064	75075
Candidatus Carsonella 135557 - 167442nt	(74999)	GAGAATATTTTCAGAGATTTAGGAAAAGATTGTTTAATTATTTATGATGATTTAACTAAACATGCTTGGTCTTATAGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 976									
Candidatus Carsonella ruddii strain BT chromosome...	(75076)	75076	75086	75097	75108	75119	75130	75141	75152
Candidatus Carsonella 135557 - 167442nt	(75076)	CAAATATCTCTTTTATTAAAAAGACCTCCTGGAAGGGAAGCATATCCAGGTGATGTTTTTTATTTACATTCTAGATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 977									
Candidatus Carsonella ruddii strain BT chromosome...	(75153)	75153	75163	75174	75185	75196	75207	75218	75229
Candidatus Carsonella 135557 - 167442nt	(75153)	ATTAGAAAGATCTTCTAAAGTTAATAAAATATTTTTAGAAAAAAAAAATATTTTAAACAAAAATAATGGTACTCTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 978									
Candidatus Carsonella ruddii strain BT chromosome...	(75230)	75230	75240	75251	75262	75273	75284	75295	75306
Candidatus Carsonella 135557 - 167442nt	(75230)	CTGCTTTTCCAATTATAGAACTTTAGAAAGGTGATGTAACCTTCATTTATACCTACTAATGTTATTTCTATTACTGAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 979	
Candidatus Carsonella ruddii strain BT chromosome...	(75307)	75307	75317	75328	75339	75350	75361	75372	75383
Candidatus Carsonella 135557 - 167442nt	(75307)	GGACAAATTTTTTTAGATACTAATTTATTTAATTCAGGAATAAGACCTGCTATTAAATGTTGGTTTATCAGTTTCAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 980	
Candidatus Carsonella ruddii strain BT chromosome...	(75384)	75384	75394	75405	75416	75427	75438	75449	75460
Candidatus Carsonella 135557 - 167442nt	(75384)	AGTAGGAGGCTCTGCTCAATTTAAAATTATAAAAAAATTAAGTGGAGATATTAGAATAATGTTAGCTCAATATCGAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 981	
Candidatus Carsonella ruddii strain BT chromosome...	(75461)	75461	75471	75482	75493	75504	75515	75526	75537
Candidatus Carsonella 135557 - 167442nt	(75461)	AATTAGAATCTTTTTCTAAATTTTCTTCAGATTTAGATATAGAACTAAAAATCAATTGTTTAATGGGGAAAAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 982	
Candidatus Carsonella ruddii strain BT chromosome...	(75538)	75538	75548	75559	75570	75581	75592	75603	75614
Candidatus Carsonella 135557 - 167442nt	(75538)	ACTTTATTAATGAAACAAAAACCTAAGTTTAAATTATTCTATTATTGAATTAACATTAGTTTTATTAATTATTAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 983	
Candidatus Carsonella ruddii strain BT chromosome...	(75615)	75615	75625	75636	75647	75658	75669	75680	75691
Candidatus Carsonella 135557 - 167442nt	(75615)	TAAATATTTTGTAAAAATACCAGTTAATCAAATAGAATATTTTGAATATAATATTATAAAATATTTAAGAAATTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 984	
Candidatus Carsonella ruddii strain BT chromosome...	(75692)	75692	75702	75713	75724	75735	75746	75757	75768
Candidatus Carsonella 135557 - 167442nt	(75692)	ATTTTGAAAAAATTATAAATATTAATAATAAAAAATTTAGAAAATTATTTATTAGAAATAATAAATTATTTTCATATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 985							
Candidatus Carsonella ruddii strain BT chromosome...	(75769)	75769	75779	75790	75801	75812	75823	75834	75845
	(75769)	GGAAGTTTATTATGAATATAAGAGATATTAAAAATAAAATTAATATTTTATTTAATATAAAATAAATTAACAAATACA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 986							
Candidatus Carsonella ruddii strain BT chromosome...	(75846)	75846	75856	75867	75878	75889	75900	75911	75922
	(75846)	ATGAGTATGATTTTCATTTTCAAAAATGAAAAAATTTTAAAAAATGTTTAATACTTAATAAATTATATTTAGAAAC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 987							
Candidatus Carsonella ruddii strain BT chromosome...	(75923)	75923	75933	75944	75955	75966	75977	75988	75999
	(75923)	AAAAAAAATAATTTTTGAAATTTATAATTTTAAAAACAATAATTTTTTTTGTGTGTATTAAATTACAACAAATAAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 988							
Candidatus Carsonella ruddii strain BT chromosome...	(76000)	76000	76010	76021	76032	76043	76054	76065	76076
	(76000)	GTTTTTGTGGAATATTAATAGTGAAATTATTAAATATTGTTTAAAAATTTTAAAAAATAATATAAATTTAGATTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 989							
Candidatus Carsonella ruddii strain BT chromosome...	(76077)	76077	76087	76098	76109	76120	76131	76142	76153
	(76077)	ATAATAATTGGTAAAAAGCTATTGATTTTTTTTAATAAAAAAATATATATATTAAAAAATAATGTTTTTAATGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 990							
Candidatus Carsonella ruddii strain BT chromosome...	(76154)	76154	76164	76175	76186	76197	76208	76219	76230
	(76154)	AAAAAATGAAATTTTTTTTTTCAAATGAAATTTTAAACATTTTAAATATTATGAAAATGTTTTTTTTTTAAGTTCAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 991	
Candidatus Carsonella ruddii strain BT chromosome...	(76231)	76231	76241	76252	76263	76274	76285	76296	76307
Candidatus Carsonella 135557 - 167442nt	(76231)	AAATTATTAATAATAGTATTAAAAATAATAAGACTAATTTATATGAAAAAATTAAAAAAATTTTATGAAATTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 992	
Candidatus Carsonella ruddii strain BT chromosome...	(76308)	76308	76318	76329	76340	76351	76362	76373	76384
Candidatus Carsonella 135557 - 167442nt	(76308)	ATAAATTATAATGATATAATTAATAATTATTTAAATTTTGTTTAAATTATTTATATTCAGAAAATTATTTTCTGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 993	
Candidatus Carsonella ruddii strain BT chromosome...	(76385)	76385	76395	76406	76417	76428	76439	76450	76461
Candidatus Carsonella 135557 - 167442nt	(76385)	ATTAAAAATTAGAATGACTACTATGAGATCAGCTGCTGATAGTTCAAAAAAATTATAAAAAACATGAATTTAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 994	
Candidatus Carsonella ruddii strain BT chromosome...	(76462)	76462	76472	76483	76494	76505	76516	76527	76538
Candidatus Carsonella 135557 - 167442nt	(76462)	AAAATAAAATTAGACAATTCAAAGTTACTCAAGAAATGTTAGAAATAATAAATAGTATTAATTTATGATAGGAAGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 995	
Candidatus Carsonella ruddii strain BT chromosome...	(76539)	76539	76549	76560	76571	76582	76593	76604	76615
Candidatus Carsonella 135557 - 167442nt	(76539)	TAATACAAGTATTAGGTTCAATTTTAGATGTTGAATTTAAAAAATAATACCAAAATTTATAATGCTTTATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 996	
Candidatus Carsonella ruddii strain BT chromosome...	(76616)	76616	76626	76637	76648	76659	76670	76681	76692
Candidatus Carsonella 135557 - 167442nt	(76616)	ATACCTGAAGTAAATATTTTTTTAGAAAGTTCAACAACAAATTGGACAGAATATTGTCAGAACTATTGCTTTTGGTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 997									
Candidatus Carsonella ruddii strain BT chromosome...	(76693)	76693	76703	76714	76725	76736	76747	76758	76769
Candidatus Carsonella 135557 - 167442nt	(76693)	TACTAATGGAATTAAAAGAAATTCTATTGTTTTAGATACAAACAAACCAATAATGACACCTGTAGGTGATTGTACTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 998									
Candidatus Carsonella ruddii strain BT chromosome...	(76770)	76770	76780	76791	76802	76813	76824	76835	76846
Candidatus Carsonella 135557 - 167442nt	(76770)	TCGGAAGAATAATTAATGTATTAGGAGAACCAATAGATAATAAAGGAAATTTAAAATTTTTTAAAAAAAAAACCAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 999									
Candidatus Carsonella ruddii strain BT chromosome...	(76847)	76847	76857	76868	76879	76890	76901	76912	76923
Candidatus Carsonella 135557 - 167442nt	(76847)	CATTTAAATCCTCCTAAATTTTCAGATCAGATTTTACAAATAATATATTAGAACTGGAATTAAAATAATAGATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1000									
Candidatus Carsonella ruddii strain BT chromosome...	(76924)	76924	76934	76945	76956	76967	76978	76989	77000
Candidatus Carsonella 135557 - 167442nt	(76924)	ATTATGTCCTTTTTTAAAAGGAGGTAAAATTGGTTTATTTGGTGGTCTGGAGTTGGAAAACTGTTAATATGATGG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1001									
Candidatus Carsonella ruddii strain BT chromosome...	(77001)	77001	77011	77022	77033	77044	77055	77066	77077
Candidatus Carsonella 135557 - 167442nt	(77001)	AATTAATAAGAAATATAGCAATAGAACATAGTGGATGCTCTGTTTTATTGGAGTAGGAGAAAGATCTCGGGAAGGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1002									
Candidatus Carsonella ruddii strain BT chromosome...	(77078)	77078	77088	77099	77110	77121	77132	77143	77154
Candidatus Carsonella 135557 - 167442nt	(77078)	AATGATTTTTATCATGAAATGAAAGATTCAAATGTATTAGATAAAGTTTCATTAATATATGGACAAATGAACGAACC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 1003									
Candidatus Carsonella ruddii strain BT chromosome...	(77155)	77155	77165	77176	77187	77198	77209	77220	77231
Candidatus Carsonella 135557 - 167442nt	(77155)	ATCAGGAAATAGATTAAAGAGTTGCTTTAACAGGATTAAGTATAGCTGAAGAATTTAGAAATTCTGGAAAAGATGTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1004									
Candidatus Carsonella ruddii strain BT chromosome...	(77232)	77232	77242	77253	77264	77275	77286	77297	77308
Candidatus Carsonella 135557 - 167442nt	(77232)	TATTATTTTATAGATAATATTTATAGATTTACTTTAGCAGGTACAGAAGTTTCAGCAATGTTAGGAAGAACTCCATCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1005									
Candidatus Carsonella ruddii strain BT chromosome...	(77309)	77309	77319	77330	77341	77352	77363	77374	77385
Candidatus Carsonella 135557 - 167442nt	(77309)	GCTGTAGGTTATCAACCTACTCTTGCTGAAGAAATGGGAAAATTACAAGAAAGAATATCTTCAACAAAAAATGGAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1006									
Candidatus Carsonella ruddii strain BT chromosome...	(77386)	77386	77396	77407	77418	77429	77440	77451	77462
Candidatus Carsonella 135557 - 167442nt	(77386)	TATAACTTCTGTTCAAGCTATATATGTTCCAGCAGATGATTTAACAGATCCATCTCCAAGTACTACTTTTTCTCATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1007									
Candidatus Carsonella ruddii strain BT chromosome...	(77463)	77463	77473	77484	77495	77506	77517	77528	77539
Candidatus Carsonella 135557 - 167442nt	(77463)	TAGATTCAACAATAGTTTTATCAAGACAAATAGCTGAATTAGGAATTTATCCTTCTATAGATCCTTTAGAATCTTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1008									
Candidatus Carsonella ruddii strain BT chromosome...	(77540)	77540	77550	77561	77572	77583	77594	77605	77616
Candidatus Carsonella 135557 - 167442nt	(77540)	TCAAAGCAATTAGATCCTTATATAGTTGGAGAAGAACATTACGATATCGCAAACAAAGTAAATATTATTGCAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

								Section 1009	
Candidatus Carsonella ruddii strain BT chromosome...	(77617)	77617	77627	77638	77649	77660	77671	77682	77693
Candidatus Carsonella 135557 - 167442nt	(77617)	ATATAAAGAATTAAAAGATACAATTGCTATTTTAGGAATAGATGAATTATCTGAATTTCGATAAAAACAATTGTATCAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1010	
Candidatus Carsonella ruddii strain BT chromosome...	(77694)	77694	77704	77715	77726	77737	77748	77759	77770
Candidatus Carsonella 135557 - 167442nt	(77694)	GAGCAAGAAAATTACAAAAATTTTTTTCACAACCTTTTTTGTGGAGAAATTTTACTAATATTAAAGGTAAATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1011	
Candidatus Carsonella ruddii strain BT chromosome...	(77771)	77771	77781	77792	77803	77814	77825	77836	77847
Candidatus Carsonella 135557 - 167442nt	(77771)	GTTAAAATAAAAAGATTCTTTAAAATGTTTTAAAAATATAATAAACGGTGTTTATGATAATTTAAACGAAAAAAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1012	
Candidatus Carsonella ruddii strain BT chromosome...	(77848)	77848	77858	77869	77880	77891	77902	77913	77924
Candidatus Carsonella 135557 - 167442nt	(77848)	TTATATGATTGGAAAAATATGAATGTTTTATTTATAGTTTGTATCAAATATAAATTATAATAATGTTAAAATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1013	
Candidatus Carsonella ruddii strain BT chromosome...	(77925)	77925	77935	77946	77957	77968	77979	77990	78001
Candidatus Carsonella 135557 - 167442nt	(77925)	AAAAATATTTGAAAATAATAATAATTCATATTCTATAATGAATAATCATATTTTCATCAATAAAAAATTTAAATGTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1014	
Candidatus Carsonella ruddii strain BT chromosome...	(78002)	78002	78012	78023	78034	78045	78056	78067	78078
Candidatus Carsonella 135557 - 167442nt	(78002)	TTTTATTTTATTATTTTAAAAAAGTTATAAAAAATTAATTTTTTTAATGGTTTTATATTCAAAAAAAAAAAAAATATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1015									
Candidatus Carsonella ruddii strain BT chromosome...	(78079)	78079	78089	78100	78111	78122	78133	78144	78155
Candidatus Carsonella 135557 - 167442nt	(78079)	AATATAATATGTAAAAAATATGAATTTTTTATAACAAACATTTATTAAATGATTTCAATTTAAAAAATACGAAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1016									
Candidatus Carsonella ruddii strain BT chromosome...	(78156)	78156	78166	78177	78188	78199	78210	78221	78232
Candidatus Carsonella 135557 - 167442nt	(78156)	TATCTATATTAGAAACTATAAAAAAATCTCATTGTTTATCATTTTTTAATAAAAAAATATGTATTATAAATGAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1017									
Candidatus Carsonella ruddii strain BT chromosome...	(78233)	78233	78243	78254	78265	78276	78287	78298	78309
Candidatus Carsonella 135557 - 167442nt	(78233)	CAATCATTAAGAACTATTAATTCACATAATAAATCTTTAAATTTTTTAAATTTAAATTTACTATAATTAATAACAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1018									
Candidatus Carsonella ruddii strain BT chromosome...	(78310)	78310	78320	78331	78342	78353	78364	78375	78386
Candidatus Carsonella 135557 - 167442nt	(78310)	ACATAATATTAAAAAAGAAAATATAAAAGATTTTTCAAAAACATTAGGATTATTATATGATTATATTTTTATAAGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1019									
Candidatus Carsonella ruddii strain BT chromosome...	(78387)	78387	78397	78408	78419	78430	78441	78452	78463
Candidatus Carsonella 135557 - 167442nt	(78387)	GTAATAATGATAATATTGTTAAAATTATTTCTAAAACTCAGGTTCAATAATAATAAATATTTTAAGTAATGGTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1020									
Candidatus Carsonella ruddii strain BT chromosome...	(78464)	78464	78474	78485	78496	78507	78518	78529	78540
Candidatus Carsonella 135557 - 167442nt	(78464)	CACCCAATACAAGCAATTGGTGATTTATATTTTTTAAAAAAAAAAAAATAATTTATTTATTTGGTGATTTTAATTCTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 1021	
Candidatus Carsonella ruddii strain BT chromosome...	(78541)	78541	78551	78562	78573	78584	78595	78606	78617
Candidatus Carsonella 135557 - 167442nt	(78541)	TGTTTTTAGATCAATTATAATTAATTTATCTAAATTAAATAAAAAATATAATCATATTTTCTCCAAAAATATATTGGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1022	
Candidatus Carsonella ruddii strain BT chromosome...	(78618)	78618	78628	78639	78650	78661	78672	78683	78694
Candidatus Carsonella 135557 - 167442nt	(78618)	ATTTTATTTTTTTTAAAAAAATATTTAATAAAAAAAATTTATAATAACCGAAAAATTAATAATTTCTAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1023	
Candidatus Carsonella ruddii strain BT chromosome...	(78695)	78695	78705	78716	78727	78738	78749	78760	78771
Candidatus Carsonella 135557 - 167442nt	(78695)	TGTATTATTTTATAATGATGTTTGGTTCCTCAATGGGTGAAAGTGATAATTTTATTAATAAAATTAATAATTAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1024	
Candidatus Carsonella ruddii strain BT chromosome...	(78772)	78772	78782	78793	78804	78815	78826	78837	78848
Candidatus Carsonella 135557 - 167442nt	(78772)	TTTTCAAATTAATAAAAAAATTTTAAAAATTTTAAAAATTGAAAAAATTTTCACTGTCTTCCATGTTTTAAAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1025	
Candidatus Carsonella ruddii strain BT chromosome...	(78849)	78849	78859	78870	78881	78892	78903	78914	78925
Candidatus Carsonella 135557 - 167442nt	(78849)	TTAAAAATAAAAAAACAAAATTTGAATCAGAATTAACAAAAAATGTTTTGAATCAAATTTTCTTTTTTTGAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
								Section 1026	
Candidatus Carsonella ruddii strain BT chromosome...	(78926)	78926	78936	78947	78958	78969	78980	78991	79002
Candidatus Carsonella 135557 - 167442nt	(78926)	CAAATAATTAAAAAATATCGATTATAAAATCATATATTATATTAGGAGAAAAAACTTTTTTAAAGTTTTAAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1027									
Candidatus Carsonella ruddii strain BT chromosome...	(79003)	79003	79013	79024	79035	79046	79057	79068	79079
Candidatus Carsonella 135557 - 167442nt	(79003)	AAAATTATTTAATATTTTTACAAATTTTATTTTGGAAATTTGATTTATAAAATCAAATATATTTTTTTTTTTAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1028									
Candidatus Carsonella ruddii strain BT chromosome...	(79080)	79080	79090	79101	79112	79123	79134	79145	79156
Candidatus Carsonella 135557 - 167442nt	(79080)	AATAAATATTTTAATAACATAAAATCATAAATATAATTAATAGCATTATAATAACCATTATATTTTCATACCTGAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1029									
Candidatus Carsonella ruddii strain BT chromosome...	(79157)	79157	79167	79178	79189	79200	79211	79222	79233
Candidatus Carsonella 135557 - 167442nt	(79157)	ATAATATTTGAATTAAGAGATATTAAAGATTTATTTCTAAAAATATTCTCTTTTATATAAAATTTGTAATATGAACTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1030									
Candidatus Carsonella ruddii strain BT chromosome...	(79234)	79234	79244	79255	79266	79277	79288	79299	79310
Candidatus Carsonella 135557 - 167442nt	(79234)	TATAATTGTTCTTTTAAATATTTTTTAAACAATCTAATATTGATAGAGAATAATGACTAAACGATGCAGGATTAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1031									
Candidatus Carsonella ruddii strain BT chromosome...	(79311)	79311	79321	79332	79343	79354	79365	79376	79387
Candidatus Carsonella 135557 - 167442nt	(79311)	TCAACCAATCTATTTTGTAATTTTTTGTAAAAAATTTACAATTTTCTTCACAATTTGAATTAAAAAATATCAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1032									
Candidatus Carsonella ruddii strain BT chromosome...	(79388)	79388	79398	79409	79420	79431	79442	79453	79464
Candidatus Carsonella 135557 - 167442nt	(79388)	TTAAAATATTTTTTAGAATAATTTAATAATTCTTTTTTTAATTTTTTAAAAGAAATATTAGAATAAATTTCTCTCT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1033									
Candidatus Carsonella ruddii strain BT chromosome...	(79465)	79465	79475	79486	79497	79508	79519	79530	79541
Candidatus Carsonella 135557 - 167442nt	(79465)	TTTTTGTAAGAAATTTAAATTTGGTCCATTAACAATTAAAATTTTACAATTTTATTATATATAAACATAATTTTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1034									
Candidatus Carsonella ruddii strain BT chromosome...	(79542)	79542	79552	79563	79574	79585	79596	79607	79618
Candidatus Carsonella 135557 - 167442nt	(79542)	TAAATTTTTTTTTGTAAAATTAAAATATTTTTTAAATCTTTTTCTGATGATGATTTACCATATTTATTAATATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1035									
Candidatus Carsonella ruddii strain BT chromosome...	(79619)	79619	79629	79640	79651	79662	79673	79684	79695
Candidatus Carsonella 135557 - 167442nt	(79619)	AAATAAATAAATAATTAATATTATATTTATTTAATAAAATATCATTAGAAGATTCAAAAATAATGTTTTTTTATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1036									
Candidatus Carsonella ruddii strain BT chromosome...	(79696)	79696	79706	79717	79728	79739	79750	79761	79772
Candidatus Carsonella 135557 - 167442nt	(79696)	AATATATTGTTTTTATAATTTTTATTTTGTTTATTAAATAAAAAATATACAATATAAAGAAATTATTTTTATATTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1037									
Candidatus Carsonella ruddii strain BT chromosome...	(79773)	79773	79783	79794	79805	79816	79827	79838	79849
Candidatus Carsonella 135557 - 167442nt	(79773)	ATATTTTTTTTAAAAAAAAAATAACATTCAAATATACATTCTAAATCAGAACCTGAAGATACTATTGTTAAATCACATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1038									
Candidatus Carsonella ruddii strain BT chromosome...	(79850)	79850	79860	79871	79882	79893	79904	79915	79926
Candidatus Carsonella 135557 - 167442nt	(79850)	TTTTTTTAATTGAATTTATCAAATATCCTCCTTTAATAATTTTATTTATATTTATAAATTTTAAATTATTATTCTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1039							
Candidatus Carsonella ruddii strain BT chromosome...	(79927)	79927	79937	79948	79959	79970	79981	79992	80003
	(79927)	AAATTTTGTCTTGATAATATTAATGAAGAAGAATTTTTTCTAATTTTATAATTATATACCAAGAAACAATTAATTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1040							
Candidatus Carsonella ruddii strain BT chromosome...	(80004)	80004	80014	80025	80036	80047	80058	80069	80080
	(80004)	AATTAAATTATAAGGTCTAAAAACAAAAATCTAGGAAAAGACCTTAAATTTTTTAATTGTTCAATAGGTTGATGTG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1041							
Candidatus Carsonella ruddii strain BT chromosome...	(80081)	80081	80091	80102	80113	80124	80135	80146	80157
	(80081)	TTGGACCATCTTCACCAACATAAAATGAATCATGTGTAAAAATAAAAAATTTTTTAATTTAGAAATATTAAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1042							
Candidatus Carsonella ruddii strain BT chromosome...	(80158)	80158	80168	80179	80190	80201	80212	80223	80234
	(80158)	CTTATAGCGCTATACATATAATTAGAAAAAACTAAAAAAGTAGAACAAAAATGTGATCATATTTTTTTCGGAACAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1043							
Candidatus Carsonella ruddii strain BT chromosome...	(80235)	80235	80245	80256	80267	80278	80289	80300	80311
	(80235)	TCCATAATTAATAAGAGACATACAAAATTCTCTTACTCCATAATTTAAAAATCTATTATTAAATTTTTTTTTTGAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1044							
Candidatus Carsonella ruddii strain BT chromosome...	(80312)	80312	80322	80333	80344	80355	80366	80377	80388
	(80312)	TTGAATTAATTTTTTTTCCTTTTGTTAAATTTGATGAAGTTAAATCAGCACTTCCACCTAAAAATTCATTTAATTGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1045									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(80389)	80389	80399	80410	80421	80432	80443	80454	80465
	(80389)	GATAAATCGTTAATTATAAGATTTGAAATAAATCTTGTAGATTTATTTAAAAATTTTTTTTCATTTTTTAAATAAAG							
	(1)	-----							
	(1)	-----							
Section 1046									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(80466)	80466	80476	80487	80498	80509	80520	80531	80542
	(80466)	CTTAATTAAATTTATTTTAATTATTATATTATTTAAAAATCTTATTAATTCTAAAAATGAAAAATAATAATTTTTTAA							
	(1)	-----							
	(1)	-----							
Section 1047									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(80543)	80543	80553	80564	80575	80586	80597	80608	80619
	(80543)	TATAATATAATATATATATTTTTTTTTTAATATCAAATAATTTTTTTTTTAATATATAAATATTTAATAGTATAATTTTTTA							
	(1)	-----							
	(1)	-----							
Section 1048									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(80620)	80620	80630	80641	80652	80663	80674	80685	80696
	(80620)	TAAATATTAATTATTTGTTTTTTATTAAATATTGTTCCATGAACAGATTTCAGAATATGATTTATCAGATGACAAAAA							
	(1)	-----							
	(1)	-----							
Section 1049									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(80697)	80697	80707	80718	80729	80740	80751	80762	80773
	(80697)	ACCAATTATTGTTTTAAAAATAAATTAATAATAGGAAAAATAACTTAAAAATAGATTTTTTAATAGATTTTTTAATTAATT							
	(1)	-----							
	(1)	-----							
Section 1050									
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(80774)	80774	80784	80795	80806	80817	80828	80839	80850
	(80774)	TATAATCATGTCCGTTTATTGGACCTATTACATCCCAATTCATAGAATTAAATTTTTGTTTAATTTTTCAAAAAA							
	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

									Section 1051
Candidatus Carsonella ruddii strain BT chromosome...	(80851)	80851	80861	80872	80883	80894	80905	80916	80927
	(80851)	TAATTTTTTACTATTCCATCAATTGATATGTTATTACTATCATAAATTAATATAATATTGTTAACATTTAAAGATCC							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1052
Candidatus Carsonella ruddii strain BT chromosome...	(80928)	80928	80938	80949	80960	80971	80982	80993	81004
	(80928)	ACAAAATGAAATTGATTTCGTTTCCAACCTCCTTCCATTAAACATCCATCTCCACAAAATATCCAAATTTTATTATTAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1053
Candidatus Carsonella ruddii strain BT chromosome...	(81005)	81005	81015	81026	81037	81048	81059	81070	81081
	(81005)	AAATATTAATTTTTTTATTAAATTTATTTTAAAAATTTTATTTTAAATACCATTTCTATTCTATTCTATTCTATTCT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1054
Candidatus Carsonella ruddii strain BT chromosome...	(81082)	81082	81092	81103	81114	81125	81136	81147	81158
	(81082)	TGACCTAATGGTCCAGTAGATGCATCTATAAAATTTGATAATTCTGGATGAGCTGGTGTTAAAGAATTAAATTTTCT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1055
Candidatus Carsonella ruddii strain BT chromosome...	(81159)	81159	81169	81180	81191	81202	81213	81224	81235
	(81159)	TAATTTTTTTTAAATCTATAATTTTAAATATTTTGTATAAATATAACATAACGTAATTTATAATTACTCCATGACCAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1056
Candidatus Carsonella ruddii strain BT chromosome...	(81236)	81236	81246	81257	81268	81279	81290	81301	81312
	(81236)	TAGATATTATTATTTTATCTTTATTTATATTTTAAATATTTTAAAAATTTATTTTATAAAAAAATACCATAAAAAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

SARS-CoV-2 & Bakterien.apr

		Section 1057							
Candidatus Carsonella ruddii strain BT chromosome...	(81313)	81313	81323	81334	81345	81356	81367	81378	81389
	(81313)	GTAAATATATCTGTTATACCTAAAGGCATACCAGGATGACCTGATTTTGATTTTGTATTGATTTAATACATATAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1058							
Candidatus Carsonella ruddii strain BT chromosome...	(81390)	81390	81400	81411	81422	81433	81444	81455	81466
	(81390)	TCTAATATTATTTATTATATTGTATAACATGTTAAAGATAAAAAATATTATTGTTAAAAATTTATTCTTTTAGTAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1059							
Candidatus Carsonella ruddii strain BT chromosome...	(81467)	81467	81477	81488	81499	81510	81521	81532	81543
	(81467)	ATAAAACAAATATTTTTTTTTTTTTTAAAAAATAAAAAAAAAATTTTTTATAAAAAATAAATTATATAAATTTTATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1060							
Candidatus Carsonella ruddii strain BT chromosome...	(81544)	81544	81554	81565	81576	81587	81598	81609	81620
	(81544)	ATTAATAATTTAAATTTTTATAATAAGAAGAAAATGAGTTTTTTATTATATTTATTTATTTGTGAAATAATTTCTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1061							
Candidatus Carsonella ruddii strain BT chromosome...	(81621)	81621	81631	81642	81653	81664	81675	81686	81697
	(81621)	TTTAAATATTAATAAAAAATAATTATTTTTTTATTTAATAAAAAAAAAATTTTTTTTAAAAGAAATAAAAAATAATTACT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1062							
Candidatus Carsonella ruddii strain BT chromosome...	(81698)	81698	81708	81719	81730	81741	81752	81763	81774
	(81698)	CATTATTTGAAATTTTGTTTTTTTTTATTTTAACTAAAAATTAATAAAAAATATTTAATTTAAAAAATAAAAAAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1063							
Candidatus Carsonella ruddii strain BT chromosome...	(81775)	81775	81785	81796	81807	81818	81829	81840	81851
	(81775)	TTTACAAATGTATTAGTAAAAATAAAAAATGAAGTTTATGAAAGTTTAAAAAGAAAGATATATTTCTACTTTTTTATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1064							
Candidatus Carsonella ruddii strain BT chromosome...	(81852)	81852	81862	81873	81884	81895	81906	81917	81928
	(81852)	TATATTTATAAATGAACAAATTAAAAATAAAAAATATTTTAAAAATTGTATTTAAATTATATAGATTACAACCTTTTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1065							
Candidatus Carsonella ruddii strain BT chromosome...	(81929)	81929	81939	81950	81961	81972	81983	81994	82005
	(81929)	ATTTTTTAAAAAATATTAAAAAAGTTTGTTTATTAATTTTTTCTAATAAAGAAGAATTTAGTAAAAAATTATATATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1066							
Candidatus Carsonella ruddii strain BT chromosome...	(82006)	82006	82016	82027	82038	82049	82060	82071	82082
	(82006)	GGTATGTTAAAAAATAATAATAATAATTTAAATTATTATTTAATTTTTTTAATTAATAATTTAATAAAAAAATAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1067							
Candidatus Carsonella ruddii strain BT chromosome...	(82083)	82083	82093	82104	82115	82126	82137	82148	82159
	(82083)	ATATAAAATTAGTATTTTCATTTGAAATTTATAATTTTGATATATTAAAAATAATTAAAAATATAAAAAATTTAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1068							
Candidatus Carsonella ruddii strain BT chromosome...	(82160)	82160	82170	82181	82192	82203	82214	82225	82236
	(82160)	AATTAAAAATTAATATAATAATAGGAATACCAGATTTATTTATTGAATATATTATCAAAAAAAAAAATTGGTATTTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 1069									
Candidatus Carsonella ruddii strain BT chromosome...	(82237)	82237	82247	82258	82269	82280	82291	82302	82313
Candidatus Carsonella 135557 - 167442nt	(82237)	ATAGATTCTAATTGTATTAAAAAAATTATGAATATTATTTACAAAGTTATTATGATGAATATATAGGATATGGAAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1070									
Candidatus Carsonella ruddii strain BT chromosome...	(82314)	82314	82324	82335	82346	82357	82368	82379	82390
Candidatus Carsonella 135557 - 167442nt	(82314)	ATTAAGAGAAAAATATAAAAAATATTTTAAAAAATAAAAAATATTTTAAAAATATCTATAAATTCAAAAAAATTATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1071									
Candidatus Carsonella ruddii strain BT chromosome...	(82391)	82391	82401	82412	82423	82434	82445	82456	82467
Candidatus Carsonella 135557 - 167442nt	(82391)	TAAATATTTTAAAAAATAAAAAATAAAAAATTATTTATTCAGATAAAAAAATAGAAATAATATTAATAAACATATAGGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1072									
Candidatus Carsonella ruddii strain BT chromosome...	(82468)	82468	82478	82489	82500	82511	82522	82533	82544
Candidatus Carsonella 135557 - 167442nt	(82468)	TGTTTAATTTCAAATTTTTATCAAAATAAAATTTTTGATAGAAATAATTATTTTAATAATAAAATTTATTATATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1073									
Candidatus Carsonella ruddii strain BT chromosome...	(82545)	82545	82555	82566	82577	82588	82599	82610	82621
Candidatus Carsonella 135557 - 167442nt	(82545)	AAATACAAATGTTATTATTAAAAAGAAATAATAGTTTTTATGTAGAAGTAAATTAGAACAAAATTTTTTTGTTTGTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1074									
Candidatus Carsonella ruddii strain BT chromosome...	(82622)	82622	82632	82643	82654	82665	82676	82687	82698
Candidatus Carsonella 135557 - 167442nt	(82622)	AAAATAATATAAAAAAATTTTTTTTAAATTTTAAATTTTAAATTTCTAAAAATAATTTTTTTATTTGTTCAAAGAGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

									Section 1075
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(82699)	82699	82709	82720	82731	82742	82753	82764	82775
	(82699)	ATGAATTTTCATTTAAATTTTAGAATAAAACCTATAATATTTAATATAAATTATTTAAATAAAAAATTTTATAATTA							
	(1)	-----							
	(1)	-----							
									Section 1076
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(82776)	82776	82786	82797	82808	82819	82830	82841	82852
	(82776)	TTTAATGTTTAATTTAATAAAAAATAAATTCATTTTACTCTAAATTATATATGCCTTATATATGGTATCCTGGAAGTG							
	(1)	-----							
	(1)	-----							
									Section 1077
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(82853)	82853	82863	82874	82885	82896	82907	82918	82929
	(82853)	ATATATATTATAAAGATTATTATTATAAAAAATCATTTTTTTTTCTAAACATTGGAAATTATTATCCAATTATACAGAT							
	(1)	-----							
	(1)	-----							
									Section 1078
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(82930)	82930	82940	82951	82962	82973	82984	82995	83006
	(82930)	AATAATAAGTTATTATGTTCTATAAATTTAATTATAAAAAATAAAAAAAAAAATTTATTACAACATTTGATAATTATTT							
	(1)	-----							
	(1)	-----							
									Section 1079
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(83007)	83007	83017	83028	83039	83050	83061	83072	83083
	(83007)	TTTAAAAATTATTAGTAATATTATGGCAAATACAAGATGAAAAATATTAGTTTTGAAATTTTCCAAACAAAAATATA							
	(1)	-----							
	(1)	-----							
									Section 1080
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(83084)	83084	83094	83105	83116	83127	83138	83149	83160
	(83084)	AAAGAAAGTATTAAATTTGTAAAAATTATAGAAAAAAAAAACCTGTTTTTATTCTATAACATGTAGTAAATTA							
	(1)	-----							
	(1)	-----							

									Section 1081
Candidatus Carsonella ruddii strain BT chromosome...	(83161)	83161	83171	83182	83193	83204	83215	83226	83237
	(83161)	TAATTTTGATTTTGTTAAAAC TATTAAGAATAATACTAATATTAAAATTATACCACATATAATTTGTGACAATTTAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1082
Candidatus Carsonella ruddii strain BT chromosome...	(83238)	83238	83248	83259	83270	83281	83292	83303	83314
	(83238)	ATAATATTGTTTTAAAAATAATTAATTTTATTAAAATTAAAATTTTTAATTTTATAATAATTACTGGAGATAATATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1083
Candidatus Carsonella ruddii strain BT chromosome...	(83315)	83315	83325	83336	83347	83358	83369	83380	83391
	(83315)	TCTAATAATTCTTTTTTAACAATTAAAAAAATTAGATTTTTTATTTGGACATATAATTAAAATTTTTCTGGATCTTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1084
Candidatus Carsonella ruddii strain BT chromosome...	(83392)	83392	83402	83413	83424	83435	83446	83457	83468
	(83392)	TTTAGAAGAACATAAATTATCATCTAATATAAATAAGAAATCTTTTTATTATATAAAAAAAAAAAAAATAGGTATTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1085
Candidatus Carsonella ruddii strain BT chromosome...	(83469)	83469	83479	83490	83501	83512	83523	83534	83545
	(83469)	ATTTATTTTTTAACACAATTTTTTTTATAATTTTAAATATAATAAATTATTATTTAAATAAAATCAAAAAACATATATA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1086
Candidatus Carsonella ruddii strain BT chromosome...	(83546)	83546	83556	83567	83578	83589	83600	83611	83622
	(83546)	AATAAAAATTTTATTCCTGGTATTTTTTCCTAAAAAAATATAAAAGAAATTTTATTATTTTATAAATAAATGTAAAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

SARS-CoV-2 & Bakterien.apr

Section 1087									
Candidatus Carsonella ruddii strain BT chromosome...	(83623)	83623	83633	83644	83655	83666	83677	83688	83699
	(83623)	TGAAATTC CAATTTGGATAATAAAAAATTATGATTTTATTAATATAAAAAATTATTTATTAAAAAATTTAAATATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1088									
Candidatus Carsonella ruddii strain BT chromosome...	(83700)	83700	83710	83721	83732	83743	83754	83765	83776
	(83700)	TTAAACATTTTCATTTTATACTTTTAATAAAATTAATTTTGTAGATTATTATTTAAAGTAAATTTTTTGTATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1089									
Candidatus Carsonella ruddii strain BT chromosome...	(83777)	83777	83787	83798	83809	83820	83831	83842	83853
	(83777)	TTTATAAAAAAATTTATTAAAAATTATTTTAAATTTATTTTTTTTGTATTGATATTTAAAAAATATTTTAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1090									
Candidatus Carsonella ruddii strain BT chromosome...	(83854)	83854	83864	83875	83886	83897	83908	83919	83930
	(83854)	TTTTAAAAAATTTTATTATTATAATAAATAGTTTTTTTATTCATAATTTTATTATTAAATTGTTTTTCTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1091									
Candidatus Carsonella ruddii strain BT chromosome...	(83931)	83931	83941	83952	83963	83974	83985	83996	84007
	(83931)	AAAAAATTTAAATTTTGATAAAAAAGTTAAAAATAATTTATTTTAAAAAATTTGATTTTTTTTACAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1092									
Candidatus Carsonella ruddii strain BT chromosome...	(84008)	84008	84018	84029	84040	84051	84062	84073	84084
	(84008)	TATGTTTTTTTACAATTGGGATTATAGCTCAGTTGGTTAGAGCATGCCTTTGATAAGGGCAGGGTCAATAGTTCAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1093									
Candidatus Carsonella ruddii strain BT chromosome...	(84085)	84085	84095	84106	84117	84128	84139	84150	84161
	(84085)	TCTATTTAATCCCATTGTGTAATAATATTATAAATAATACTTAATATATATAAATCATCAAAAAAATTAAATTCATTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1094									
Candidatus Carsonella ruddii strain BT chromosome...	(84162)	84162	84172	84183	84194	84205	84216	84227	84238
	(84162)	ATTTTATGAATTGTTTTATTTAATAATCCTAATTCAAAAATAATTTGATTTATTATAAAAAATAATAACAATATCTTAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1095									
Candidatus Carsonella ruddii strain BT chromosome...	(84239)	84239	84249	84260	84271	84282	84293	84304	84315
	(84239)	ATCAGAAGTACCACCAAAAAATTTATTTTTGAAAATATATTTTGAATATAATAAATTGAATTAAAAATTTTTTTTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1096									
Candidatus Carsonella ruddii strain BT chromosome...	(84316)	84316	84326	84337	84348	84359	84370	84381	84392
	(84316)	AATAAAAAATTTTTATAACAAAAAAGGGAATACCCTAAAAATCCAATTAAAAATAAGAGTTTTTAAATTTTAAAAAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1097									
Candidatus Carsonella ruddii strain BT chromosome...	(84393)	84393	84403	84414	84425	84436	84447	84458	84469
	(84393)	TTAAATAAATTTTTTTTAAAAAAATTATATTTTTTATAAAAAAAATCTATAATTAATTTTAACAAAAAAATAAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1098									
Candidatus Carsonella ruddii strain BT chromosome...	(84470)	84470	84480	84491	84502	84513	84524	84535	84546
	(84470)	TGGTGTTAAATTATCTAATTTTGATATACTAAAAACATTATTTAATTCAAAAATTTCTTTTTTATCAAAAACATAAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1099									
Candidatus Carsonella ruddii strain BT chromosome...	(84547)	84547	84557	84568	84579	84590	84601	84612	84623
Candidatus Carsonella 135557 - 167442nt	(84547)	TTTTAAAATTATGTATTTTTTGTAAAGAAAAATTTATTATGTTTTTACCAATATAAGCGCAATGTTTTTGTTTACCG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1100									
Candidatus Carsonella ruddii strain BT chromosome...	(84624)	84624	84634	84645	84656	84667	84678	84689	84700
Candidatus Carsonella 135557 - 167442nt	(84624)	ATAAAAATTAATTTAAAATTATAAGATCCTCTTCTTGATATTTTAATATAATCTCCTATTATTTCTTTTGAAGTAGG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1101									
Candidatus Carsonella ruddii strain BT chromosome...	(84701)	84701	84711	84722	84733	84744	84755	84766	84777
Candidatus Carsonella 135557 - 167442nt	(84701)	TTCAGCGCCAAAAACAAATTAAAAACATAATTTCTTTTTTTTAAATATTTATTGAATATTGAATTCCATAAATAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1102									
Candidatus Carsonella ruddii strain BT chromosome...	(84778)	84778	84788	84799	84810	84821	84832	84843	84854
Candidatus Carsonella 135557 - 167442nt	(84778)	ATAAATTTTCTTCATCATTTGTTAAATAAAATTATTATTTTTAGATAAAAAAAAAAATGAACAAAAACCACCTTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1103									
Candidatus Carsonella ruddii strain BT chromosome...	(84855)	84855	84865	84876	84887	84898	84909	84920	84931
Candidatus Carsonella 135557 - 167442nt	(84855)	ATATCTGTAATTCTCTACAAAAATTTTTTTTTTAAACAAATACAACATAAAAGGTGGTTTAAATCCATTTAATATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1104									
Candidatus Carsonella ruddii strain BT chromosome...	(84932)	84932	84942	84953	84964	84975	84986	84997	85008
Candidatus Carsonella 135557 - 167442nt	(84932)	TCCTTCATTAACTACATCTAAATGAGAAATAAAAAATTTCTTTAGATTTTGTAATAAATAACAAATTAATTACATTTTC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1105									
Candidatus Carsonella ruddii strain BT chromosome...	(85009)	85009	85019	85030	85041	85052	85063	85074	85085
	(85009)	TAATTTTAATAATTTCAAACGATTTAATTTCAAATATTTTAATATTATAAAAAATATATTTTTCATAACAATAAGAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1106									
Candidatus Carsonella ruddii strain BT chromosome...	(85086)	85086	85096	85107	85118	85129	85140	85151	85162
	(85086)	AAAGTTTTTTTTTATCAAAAAAATTTTAAAAAAAAAAAAAAAAATTAATTAGCATTAATTATTGTGTAAAATTTTATTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1107									
Candidatus Carsonella ruddii strain BT chromosome...	(85163)	85163	85173	85184	85195	85206	85217	85228	85239
	(85163)	ATATTAATTGTTTTTGTAAATTTTTACAACATTCTATCTTCCATTTAAAGAATTTCTATAAAATATTAAATTATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1108									
Candidatus Carsonella ruddii strain BT chromosome...	(85240)	85240	85250	85261	85272	85283	85294	85305	85316
	(85240)	AATAAAAGAAAGTTTTTTAGCTTTTATAATAATAAAATTATTATTTAAAAATAAAAAATTTTTGTACCAGCAGTTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1109									
Candidatus Carsonella ruddii strain BT chromosome...	(85317)	85317	85327	85338	85349	85360	85371	85382	85393
	(85317)	TATATAATCCTGCCTCAATAATACAATTATTTCTTAACTAAATCCAATTCCTGAATTAGCACCTAATAAACAATTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1110									
Candidatus Carsonella ruddii strain BT chromosome...	(85394)	85394	85404	85415	85426	85437	85448	85459	85470
	(85394)	TTTCCTAACTAATAATATTTTTTCTCCACCAGATAATGTTCCCATTATTGAAGCAGATCCACCTATATCTGTATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

Section 1111									
Candidatus Carsonella ruddii strain BT chromosome...	(85471)	85471	85481	85492	85503	85514	85525	85536	85547
	(85471)	ATTTGAGATATAAACTCCAGAAGATATTCTTCCTTCAATCATACAATTATTACCTATAAAATGTATTAAAATTTACAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1112									
Candidatus Carsonella ruddii strain BT chromosome...	(85548)	85548	85558	85569	85580	85591	85602	85613	85624
	(85548)	AACCTTCAGACATAATAGTTGTTTCCTTTTGATAAAAAAGCTCCTAATCTTACTCTATTTGTGTTAGATAATCTAATA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1113									
Candidatus Carsonella ruddii strain BT chromosome...	(85625)	85625	85635	85646	85657	85668	85679	85690	85701
	(85625)	TTACTTGGTAAATAAAATTTTGTAAAGATAAGGTATTTTATCAATACTTTCAATTATTAAATTAATTTTGTTTATATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1114									
Candidatus Carsonella ruddii strain BT chromosome...	(85702)	85702	85712	85723	85734	85745	85756	85767	85778
	(85702)	TATTTTTGTAAATCTTCAATATAATAACAACCTATATTTGTCCAAATTAAATTTATTAATTTTTCAAATATATTGT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1115									
Candidatus Carsonella ruddii strain BT chromosome...	(85779)	85779	85789	85800	85811	85822	85833	85844	85855
	(85779)	TTAAATTAATAAAATTACAAAGAAGTATTCCAATACTAATTAAATATAGTTTAAATAAACCATCTATATTTGATATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1116									
Candidatus Carsonella ruddii strain BT chromosome...	(85856)	85856	85866	85877	85888	85899	85910	85921	85932
	(85856)	ATATTATTAATAAATATTGTTGTTATTAAAAATAACATTTTTTAAATTTATTTTTTTCCAAAAATTAAATATAAACAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1117						
Candidatus Carsonella ruddii strain BT chromosome...	(85933)	85933	85943	85954	85965	85976	85987	85998 86009
	(85933)	TAAATAAATAATTTGTTTTATATTTAACATTTTTTTAAATAATTTTTTTTTTATTTTTAAAAAATAATTTTTTTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1118						
Candidatus Carsonella ruddii strain BT chromosome...	(86010)	86010	86020	86031	86042	86053	86064	86075 86086
	(86010)	TAATAGCTATAAAATTACAAATTATTATTTTTTTTTTTTTTATATTTGTTTTATAAATTATTAAAGAATTATATAAC						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1119						
Candidatus Carsonella ruddii strain BT chromosome...	(86087)	86087	86097	86108	86119	86130	86141	86152 86163
	(86087)	ATATTTTCATTTTTCTTAATGTTGTTAAATTTATTTTTTTATTATAAATATACAATGTATGTTCCCATTTGAAACTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1120						
Candidatus Carsonella ruddii strain BT chromosome...	(86164)	86164	86174	86185	86196	86207	86218	86229 86240
	(86164)	AAATTATTTTTTTTTGTAAAAAATATTTAAAAATCAATTCCTTTTTGTTTTAAAAATAAACATAGGTTCTAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1121						
Candidatus Carsonella ruddii strain BT chromosome...	(86241)	86241	86251	86262	86273	86284	86295	86306 86317
	(86241)	AGTAAACTATCAAAATTTTTATTTTTTTACTATTTTTATTAAAAATTATGTTTTATAATTAATTTATTATGTAATT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1122						
Candidatus Carsonella ruddii strain BT chromosome...	(86318)	86318	86328	86339	86350	86361	86372	86383 86394
	(86318)	TTTTAAAAATTCCATGACTACAATATTCCTTCATTAATAAAAAATTTTTTTTTAAAAATAATATTATTTTATTAATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

									Section 1123
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(86395)	86395	86405	86416	86427	86438	86449	86460	86471
	(86395)	AAAGAAAAAGATACATTTATTTTAAATATAATTTAATATATTATAAAAAAAATTTTAAATAAAAAATTTTTTTTAAAC							
	(1)	-----							
	(1)	-----							
									Section 1124
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(86472)	86472	86482	86493	86504	86515	86526	86537	86548
	(86472)	ATAATTAAAAATTATTTACATAACAACATCACTGTGTAAATTATTAAATTTTAAAGAAATATCTAATTTAAATAAT							
	(1)	-----							
	(1)	-----							
									Section 1125
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(86549)	86549	86559	86570	86581	86592	86603	86614	86625
	(86549)	TATATTTATAAAATTCAACGATAGGTATTCCATGACAAATTATATTTTCAATAGAAATACATGATGAAAATTTATAA							
	(1)	-----							
	(1)	-----							
									Section 1126
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(86626)	86626	86636	86647	86658	86669	86680	86691	86702
	(86626)	TTATAAAAATTTATAGTTGAAGATTTACATTTTATTTTTATAATAAAATATAAACTAATAAAATCTAATTCATATAA							
	(1)	-----							
	(1)	-----							
									Section 1127
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(86703)	86703	86713	86724	86735	86746	86757	86768	86779
	(86703)	ATTTATTTTTTTTGAATAATTACTTAACAAATTTATAATAAAATTTATTATAAAAACCACATTTTAAAAATGATTTTA							
	(1)	-----							
	(1)	-----							
									Section 1128
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(86780)	86780	86790	86801	86812	86823	86834	86845	86856
	(86780)	TATGAAAATTTTTTCATGTTTTAAAAAATAAAATTTATATAGGTAATAAAATTGAAAAAGAAATAATTTATTAAAAA							
	(1)	-----							
	(1)	-----							

Section 1129									
Candidatus Carsonella ruddii strain BT chromosome...	(86857)	86857	86867	86878	86889	86900	86911	86922	86933
Candidatus Carsonella 135557 - 167442nt	(86857)	ATTTTTTAGTAGCAAACATTAATAAATTTAATATTATAAATGTTAAAAAAATTTCAATAAAGTTATTTTTATATAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1130									
Candidatus Carsonella ruddii strain BT chromosome...	(86934)	86934	86944	86955	86966	86977	86988	86999	87010
Candidatus Carsonella 135557 - 167442nt	(86934)	AAATATTTACAAAAAATTTTTTTTGAAAAAAAAAAAAATTTTATTATAAGTACAAAAAATTTTTTAAGAGAAATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1131									
Candidatus Carsonella ruddii strain BT chromosome...	(87011)	87011	87021	87032	87043	87054	87065	87076	87087
Candidatus Carsonella 135557 - 167442nt	(87011)	TTATAAATATGCAAAAAGTTTACAACAATATTTTATTTCACAAAATGGATAGCTGGAACTTTAACAAATTCATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1132									
Candidatus Carsonella ruddii strain BT chromosome...	(87088)	87088	87098	87109	87120	87131	87142	87153	87164
Candidatus Carsonella 135557 - 167442nt	(87088)	ATTATAAAAAAATGTTAAATAAATCTATTTATTTAAAAAAAAAAAAACAAAAAATGAATTTTACAAAAAAGAAAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1133									
Candidatus Carsonella ruddii strain BT chromosome...	(87165)	87165	87175	87186	87197	87208	87219	87230	87241
Candidatus Carsonella 135557 - 167442nt	(87165)	ATGTTTTTTAAAAGAAGAATTAAAAATAGAAACAATTTATGGAGGATTAAGAGGAATGGTTGAAAATCCAGATTTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1134									
Candidatus Carsonella ruddii strain BT chromosome...	(87242)	87242	87252	87263	87274	87285	87296	87307	87318
Candidatus Carsonella 135557 - 167442nt	(87242)	AATAATTACTGATATTAAAAAAGATAGAGTTGCAATTAATGAAGCTAAAAAATTAATAATTTTAGCATTGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

Section 1135									
Candidatus Carsonella ruddii strain BT chromosome...	(87319)	87319	87329	87340	87351	87362	87373	87384	87395
Candidatus Carsonella 135557 - 167442nt	(87319)	TAGATACAGATGATTCTCCTAAAGGAATTGATTATTTTATTCTTTGTAACAATAATTCAATTATTTGTGTTAAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1136									
Candidatus Carsonella ruddii strain BT chromosome...	(87396)	87396	87406	87417	87428	87439	87450	87461	87472
Candidatus Carsonella 135557 - 167442nt	(87396)	ATATTAAAAATATTATTTAGTGAAATATGTTAAATATAAAATTTAATTTTAAAAATTAAAAAGAATATAATTTCAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1137									
Candidatus Carsonella ruddii strain BT chromosome...	(87473)	87473	87483	87494	87505	87516	87527	87538	87549
Candidatus Carsonella 135557 - 167442nt	(87473)	ATTGGAAGTTGTAAAAAATTATTGGAAAATAATAATTGGGATTATAAAAAAACTATTTTGTATATAAAAAATAGTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1138									
Candidatus Carsonella ruddii strain BT chromosome...	(87550)	87550	87560	87571	87582	87593	87604	87615	87626
Candidatus Carsonella 135557 - 167442nt	(87550)	TAAAAAAATTAATTTTACAAATTTTAAATATTATTCTATAATAAATATAGAAAAAAAAAATAAAATTTTATAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1139									
Candidatus Carsonella ruddii strain BT chromosome...	(87627)	87627	87637	87648	87659	87670	87681	87692	87703
Candidatus Carsonella 135557 - 167442nt	(87627)	AAATATGTTATAATTCAACTATTATTGATAATTCAACTATTATTGAAAAATTTTAAAAAAAAAATTAATTTTAATAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1140									
Candidatus Carsonella ruddii strain BT chromosome...	(87704)	87704	87714	87725	87736	87747	87758	87769	87780
Candidatus Carsonella 135557 - 167442nt	(87704)	ATTGATATTAAATTTTAAAAAATGAAATAAATTTATTATCTTTTATATTAAAGATAAAATTTTTTTAAATAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1141							
Candidatus Carsonella ruddii strain BT chromosome...	(87781)	87781	87791	87802	87813	87824	87835
Candidatus Carsonella 135557 - 167442nt	(87781)	TTTTATTTTATAAAATAAAAAATATTTTTTTTTTATAATCATAAAAATATTTTTTTTGTATAATAATTATAAAAAAT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 1142							
Candidatus Carsonella ruddii strain BT chromosome...	(87858)	87858	87868	87879	87890	87901	87912
Candidatus Carsonella 135557 - 167442nt	(87858)	TAATTTTAAATATTTGTTGTCATATAATATTCAAAAAGATTAATTTTTTTAATTTAAATATTTGTAAAAATAATTTG					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 1143							
Candidatus Carsonella ruddii strain BT chromosome...	(87935)	87935	87945	87956	87967	87978	87989
Candidatus Carsonella 135557 - 167442nt	(87935)	ATGAAACAAAAATATATAAAAAACGAAACATTATTTATTAATGATATAATCAAAAAATAATTTTATAAATTATATTTT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 1144							
Candidatus Carsonella ruddii strain BT chromosome...	(88012)	88012	88022	88033	88044	88055	88066
Candidatus Carsonella 135557 - 167442nt	(88012)	TTTAATAAATAAAAAATAATATATATTTTTTATTATGAATAATTTTAATATTTTTCAAGAAATATTAAATAATTATAAT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 1145							
Candidatus Carsonella ruddii strain BT chromosome...	(88089)	88089	88099	88110	88121	88132	88143
Candidatus Carsonella 135557 - 167442nt	(88089)	TTTTTATTTAAAAATTTAACATTAAAAATTTAGGAATTTAAACATTAAGTAATTTAAAAATAAATATTAATAAAAC					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					
Section 1146							
Candidatus Carsonella ruddii strain BT chromosome...	(88166)	88166	88176	88187	88198	88209	88220
Candidatus Carsonella 135557 - 167442nt	(88166)	ATATTTTAAATTTAGAAAATATTTGTATTATTAAAAATATTAATGATAATAATTATTTATTACAATTTAAAGATACAA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
	(1)	-----					

SARS-CoV-2 & Bakterien.apr

									Section 1147
Candidatus Carsonella ruddii strain BT chromosome...	(88243)	88243	88253	88264	88275	88286	88297	88308	88319
	(88243)	ACTTACTAAAACAAATAATTAAAAAAATTTTTTTGAAAATTATGGTTTTCAAATAAAACAATCAAAAAATAATTTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1148
Candidatus Carsonella ruddii strain BT chromosome...	(88320)	88320	88330	88341	88352	88363	88374	88385	88396
	(88320)	GAATTAATAATTCCAAAATTAAGTGTAGAATTTAGAAATAATGTATTAAAAATTTTAAAAAATGAATATTTTCATTCA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1149
Candidatus Carsonella ruddii strain BT chromosome...	(88397)	88397	88407	88418	88429	88440	88451	88462	88473
	(88397)	CAAAGATAATATTGAAAATTATAGAAAAAAATTTTTATTAAATATAAAAAGAAATTTTAAGAGTATAGATGAAATAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1150
Candidatus Carsonella ruddii strain BT chromosome...	(88474)	88474	88484	88495	88506	88517	88528	88539	88550
	(88474)	ATAATTTAGAAAAAAATTAATAAGAAATTTTGTGTTTGTAAAAATAAATTAAAAAATTTATTTGAAAATTTTTCT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1151
Candidatus Carsonella ruddii strain BT chromosome...	(88551)	88551	88561	88572	88583	88594	88605	88616	88627
	(88551)	AATAAAATATTAAATGAATAATTTTACTCATTTAAATTTACATACTGAATATTCATTTATAGATAGTATAATTAAAG							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1152
Candidatus Carsonella ruddii strain BT chromosome...	(88628)	88628	88638	88649	88660	88671	88682	88693	88704
	(88628)	TTGGACAAATTATAGCGTTATATAAAGAGTATAAAATTAATACGATTTGTGTTACTGATTTATTATCAATGTCTTCA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

								Section 1153
Candidatus Carsonella ruddii strain BT chromosome...	(88705)	88705	88715	88726	88737	88748	88759	88770 88781
	(88705)	TTTTATGAATATTATTTTTTTTTGTTATGATAATAATGTAAACCTTTAATAGGTACAGAATGTTTTATTTTACATAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
								Section 1154
Candidatus Carsonella ruddii strain BT chromosome...	(88782)	88782	88792	88803	88814	88825	88836	88847 88858
	(88782)	TGGTAATATTTTAGGTTGTATTTTATTAGCAAAAAATTTTGAAGGATATAAAGAAATTATGCATATTTTATCAAATG						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
								Section 1155
Candidatus Carsonella ruddii strain BT chromosome...	(88859)	88859	88869	88880	88891	88902	88913	88924 88935
	(88859)	CTTGGAGATATGGTAATATAAATAATGGTGTATTTTATTAAAAATACAATGGATATTAAATTTTAATAAAAAATTTAATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
								Section 1156
Candidatus Carsonella ruddii strain BT chromosome...	(88936)	88936	88946	88957	88968	88979	88990	89001 89012
	(88936)	ATTATTTTAAATATTAGATATTATTTTTTTATCAGAATTTAGTTTTATTAAACAAGAATTTATTTTTTTAATAAAATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
								Section 1157
Candidatus Carsonella ruddii strain BT chromosome...	(89013)	89013	89023	89034	89045	89056	89067	89078 89089
	(89013)	TATTTTATTTTATTTGAAAATGATTGTTATTTTGAATTAATAAAGTAAATTTACCTTTTGAAGATTATATTAATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
								Section 1158
Candidatus Carsonella ruddii strain BT chromosome...	(89090)	89090	89100	89111	89122	89133	89144	89155 89166
	(89090)	ATAAAATTTTTTTTTTATTCAAAAAATTTAAATTAATTAATAGCTACTAATAGTGTTAAGTTTTTATTCAAAAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

									Section 1159
Candidatus Carsonella ruddii strain BT chromosome...	(89167)	89167	89177	89188	89199	89210	89221	89232	89243
	(89167)	GATTATGCTTCTAGTATTGGAAAAATTTTATTAAATCAAGAAGATTTAGATGATAATGAATTATATTTTGAATATAC							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1160
Candidatus Carsonella ruddii strain BT chromosome...	(89244)	89244	89254	89265	89276	89287	89298	89309	89320
	(89244)	TGATAAACAAATATTTAAAAAATTATTTTGAATGAAAAAAATTTTCAAAATAATTTAGAATGTTTAAATAACATTC							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1161
Candidatus Carsonella ruddii strain BT chromosome...	(89321)	89321	89331	89342	89353	89364	89375	89386	89397
	(89321)	AAATTATTATTAATGATTGTAATATAAAATTTTAAATGTTATGGTTTTAATTTGCCTAAAATTAAAATTGAAAAATTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1162
Candidatus Carsonella ruddii strain BT chromosome...	(89398)	89398	89408	89419	89430	89441	89452	89463	89474
	(89398)	TCAATAAGAAAAAAAAATTTTAAACAATTTATTAAAAAAGGTATTAAAAACAGAATTATTAAAAAAGAAAAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1163
Candidatus Carsonella ruddii strain BT chromosome...	(89475)	89475	89485	89496	89507	89518	89529	89540	89551
	(89475)	ATTTTACCATATATAAATAGAATAAATAAAGAACTATTTTAAATTAATAAATAATGGGTTTGATAGATTATTTTTTAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1164
Candidatus Carsonella ruddii strain BT chromosome...	(89552)	89552	89562	89573	89584	89595	89606	89617	89628
	(89552)	TAATTTATGAATTTATTTTTTGGTCAAAAAAAAAAATATTCCTTCTGGACCAGGAAGAGGTTCTGGAGCTTCATCT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

Section 1165									
Candidatus Carsonella ruddii strain BT chromosome...	(89629)	89629	89639	89650	89661	89672	89683	89694	89705
	(89629)	TTAGTTTGTTATTCTTTGTATATAACAGATATAGATCCAGTAAATGAAAATTTATTATTTGAAAGATTTTTTAACATC							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1166									
Candidatus Carsonella ruddii strain BT chromosome...	(89706)	89706	89716	89727	89738	89749	89760	89771	89782
	(89706)	TGAAAGATTTAGTATGCCTGATTTAGATTTAGATTTTTGTGTTTTAGAAAGAGACGCATTAATTGATCATATGTTTG							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1167									
Candidatus Carsonella ruddii strain BT chromosome...	(89783)	89783	89793	89804	89815	89826	89837	89848	89859
	(89783)	AGTATTATAATTATAATAATACATCACAAATAATAACATTTTCATAATTTATCTACAAAATCTTTAATAAGAGATTTA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1168									
Candidatus Carsonella ruddii strain BT chromosome...	(89860)	89860	89870	89881	89892	89903	89914	89925	89936
	(89860)	TCTAGAGCAATAGGTTTAGACTATTTATCTGGTGATAGATTTTCTAAATCAATTCCTTTTCTTTAGAATTATCGAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1169									
Candidatus Carsonella ruddii strain BT chromosome...	(89937)	89937	89947	89958	89969	89980	89991	90002	90013
	(89937)	GGAAGATATCTTTAGAAAAAGTTTATCAGTTAGAAGTTATGTTTCAAGTAACGAAAAAAGTTTAGATATATGGAAAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1170									
Candidatus Carsonella ruddii strain BT chromosome...	(90014)	90014	90024	90035	90046	90057	90068	90079	90090
	(90014)	TATCTACTAAAATTGAAGGTGTATTTAGTAAAAATTGGTAAACATGCTGGAGGAGTTGTTATTGCTAAAAATGGTATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

									Section 1171
Candidatus Carsonella ruddii strain BT chromosome...	(90091)	90091	90101	90112	90123	90134	90145	90156	90167
	(90091)	TATAATATTACTCCAATTATGTTTGATAATGATGACTGTATTACTCAATATGAAAAAATATTTTACAAGAAATTGG							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1172
Candidatus Carsonella ruddii strain BT chromosome...	(90168)	90168	90178	90189	90200	90211	90222	90233	90244
	(90168)	TTTATTAAAATTTGATTTTTTAGGATTAAAACTATATCAATTATACATATTTCTTTAAATATGATACCTGAAAAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1173
Candidatus Carsonella ruddii strain BT chromosome...	(90245)	90245	90255	90266	90277	90288	90299	90310	90321
	(90245)	CAACAGGTGAATTTAATATAGATGATTATCATACATATCAAATGTTGAATAATTTAGAACTGAATTAGTTTTTCAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1174
Candidatus Carsonella ruddii strain BT chromosome...	(90322)	90322	90332	90343	90354	90365	90376	90387	90398
	(90322)	TTAGAATCATATGGAATGAAAAAATGTTAAGAAGATCACCAATTAATAATATTTTTGATATTATTTTATATTTATC							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1175
Candidatus Carsonella ruddii strain BT chromosome...	(90399)	90399	90409	90420	90431	90442	90453	90464	90475
	(90399)	TTTATTTAGACCAGGACCTATTCAATCAGGATGTGTTAATATTTTTTTAAATAGAAAAATAATTTATTAAAACTT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1176
Candidatus Carsonella ruddii strain BT chromosome...	(90476)	90476	90486	90497	90508	90519	90530	90541	90552
	(90476)	TTTTTCCATATGAAAATAACAATTATTATTTTTTAAAAATTTTTTATCATATACACATGGTATAATGATATTTCAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

SARS-CoV-2 & Bakterien.apr

		Section 1177							
Candidatus Carsonella ruddii strain BT chromosome...	(90553)	90553	90563	90574	90585	90596	90607	90618	90629
	(90553)	GAACAAATAATATTGATTATACATACCTTTTTTTGAATGTACAATATATGATTCTGAAAAAATTTTAAATTCAATGAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1178							
Candidatus Carsonella ruddii strain BT chromosome...	(90630)	90630	90640	90651	90662	90673	90684	90695	90706
	(90630)	TTCTAATTCTATTAAAGAATTAAATATTCTCAATAAAATTTTAAAAAAAAAATGTTTAAATTTAATTTATCTGATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1179							
Candidatus Carsonella ruddii strain BT chromosome...	(90707)	90707	90717	90728	90739	90750	90761	90772	90783
	(90707)	ATGAATCTAATGAATTATTTTATTTAATTGTAACCTTTTGCATGTTATAGTTTTAATAGAACTCATGCACATTCATAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1180							
Candidatus Carsonella ruddii strain BT chromosome...	(90784)	90784	90794	90805	90816	90827	90838	90849	90860
	(90784)	GCTAAAAATTGTTTATCAAACAGCTTTTTTAAAGCAAATTATTTATTAGAATTTTGTGTTAGCAAATATTTATGTTGA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1181							
Candidatus Carsonella ruddii strain BT chromosome...	(90861)	90861	90871	90882	90893	90904	90915	90926	90937
	(90861)	TCAATTATTAGGATTTGATTTAGATAGAATTATTTTAAATTTAAAAATTATAGGTGTTTATTTTACAAACCAGACA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1182							
Candidatus Carsonella ruddii strain BT chromosome...	(90938)	90938	90948	90959	90970	90981	90992	91003	91014
	(90938)	TTAATATTTCTGATGAAATTTTAAATTTATAAAAAAGGTATTTTATTTGGTTTTCTGTAGTTAAATTTATAGAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

									Section 1183
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(91015)	91015	91025	91036	91047	91058	91069	91080	91091
	(91015)	GATTATTTTATAGATAGAATCTTATATTATAGAAATAAAATATTTTTTTATAATAGTTTTGAAATATTTTGTA							
	(1)	-----							
	(1)	-----							
									Section 1184
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(91092)	91092	91102	91113	91124	91135	91146	91157	91168
	(91092)	ATTTAGTATATTTAAAAATTAATAAATAAAAAAGTAATAGAAAATTTAATTTTTTGTGGTTTTTTTGATTGTTATAGAA							
	(1)	-----							
	(1)	-----							
									Section 1185
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(91169)	91169	91179	91190	91201	91212	91223	91234	91245
	(91169)	TTAATAGAATATATTTATTTATTAATTTTCAATTTTATATGAAAAATCATTTTATTAAAAAAGAATATAATAGA							
	(1)	-----							
	(1)	-----							
									Section 1186
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(91246)	91246	91256	91267	91278	91289	91300	91311	91322
	(91246)	TCGTTAATTTATAAATTAATAGAATATATTGATTATTCTAAATTATCTATTATAAAATTTAAATTTTAAATGTATA							
	(1)	-----							
	(1)	-----							
									Section 1187
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(91323)	91323	91333	91344	91355	91366	91377	91388	91399
	(91323)	TTATTTAGATTTATTAAATATAGAAAAAAATTTATTAATTTTTCGTTTCTAATCAACCATCTGATTTTTTTATTT							
	(1)	-----							
	(1)	-----							
									Section 1188
Candidatus Carsonella ruddii strain BT chromosome... Candidatus Carsonella 135557 - 167442nt SARS-CoV-2 Reference Genome NC_045512.2	(91400)	91400	91410	91421	91432	91443	91454	91465	91476
	(91400)	CAAAATTTATAGGTCATAATTTATATAATTCAATAAATAGAGTTGAAAAAAAAAAAAATTAATATTTTAATTTCTACA							
	(1)	-----							
	(1)	-----							

									Section 1189
Candidatus Carsonella ruddii strain BT chromosome...	(91477)	91477	91487	91498	91509	91520	91531	91542	91553
	(91477)	CCTAAAAAAAAA CTTTTTTTTT GAAAAACATGTAAATATTTT TAGAATAATTAATAATAATAAAATTAAAGTTTTAGA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1190
Candidatus Carsonella ruddii strain BT chromosome...	(91554)	91554	91564	91575	91586	91597	91608	91619	91630
	(91554)	TGTTTTTCTAGATTTTATACCTTTACCTGATATTGAAATACCTTTTAGTTTTTATTATTATATAATAATGAAACAA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1191
Candidatus Carsonella ruddii strain BT chromosome...	(91631)	91631	91641	91652	91663	91674	91685	91696	91707
	(91631)	AAACTAATCAAATTATTAAATGTTATAATATAAAATCATTCTGTTATTCCATAGGATGTGTTTATTATATATATATA							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1192
Candidatus Carsonella ruddii strain BT chromosome...	(91708)	91708	91718	91729	91740	91751	91762	91773	91784
	(91708)	AAAAATACTTTAAATTTAAAAAATATTATTTATTTGTTATTTAATAATTTTAAATTTTATCGGTAGCAAAGTTTATAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1193
Candidatus Carsonella ruddii strain BT chromosome...	(91785)	91785	91795	91806	91817	91828	91839	91850	91861
	(91785)	TAAATATAAAAAATAAAATTTTTTCATCGAAAATTTGTGTTTAAATGGATGAAAAAATAATGTTACATTTAAATTTAT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								
									Section 1194
Candidatus Carsonella ruddii strain BT chromosome...	(91862)	91862	91872	91883	91894	91905	91916	91927	91938
	(91862)	TTGATATTACTAAATAGTTTGTGTTTACATGTATTAAATGAAAAATTTATTTTAAATAAAAAATATTTATTTATATT							
	(1)	-----							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)								
SARS-CoV-2 Reference Genome NC_045512.2	(1)								

SARS-CoV-2 & Bakterien.apr

		Section 1195							
Candidatus Carsonella ruddii strain BT chromosome...	(91939)	91939	91949	91960	91971	91982	91993	92004	92015
	(91939)	TTTCATTTGGTAAAGATAGTTATTATTCATTATTTAATTTTTTTTATAAAAAAAAAAAAAATTATTTTTTACAATTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1196							
Candidatus Carsonella ruddii strain BT chromosome...	(92016)	92016	92026	92037	92048	92059	92070	92081	92092
	(92016)	AATAAAAAAAAAATATTTTTAAAAAATAAATACAAATTCCTTTTATTTTTTTATAAAAAATTTTCTAAAAATGAATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1197							
Candidatus Carsonella ruddii strain BT chromosome...	(92093)	92093	92103	92114	92125	92136	92147	92158	92169
	(92093)	ATTATTAAGAAGAAGACTAGATTTTTTAATCAAAAAAAAAAATATTTTTTTTATAAAAAATCATCATTTAATAGATAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1198							
Candidatus Carsonella ruddii strain BT chromosome...	(92170)	92170	92180	92191	92202	92213	92224	92235	92246
	(92170)	TTGAATTTTTAATTTTTTAAATTTTTTAAAAAAAAAATTTTTTTTAAATTATAATAATATATGGATTAAATAAAAAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1199							
Candidatus Carsonella ruddii strain BT chromosome...	(92247)	92247	92257	92268	92279	92290	92301	92312	92323
	(92247)	TTTTTAATTAAACCTTTTATAAATAAATTTATAAAAAAATATATTAATATTAATGATAAACTAATAAGTTTATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1200							
Candidatus Carsonella ruddii strain BT chromosome...	(92324)	92324	92334	92345	92356	92367	92378	92389	92400
	(92324)	AATAAGTAGAAATTTTATAAGATGTTTGATAAGTAAATTTTTTATAAAAGAAATATTTTTTAAATAATAACAATAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1201						
Candidatus Carsonella ruddii strain BT chromosome...	(92401)	92401	92411	92422	92433	92444	92455	92466 92477
	(92401)	ATTATGATAAACTCTTATTGTATAAATTCACCAAATATTGGAAAATATAGAGAATTAAAAAAATATACTGAAAAATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1202						
Candidatus Carsonella ruddii strain BT chromosome...	(92478)	92478	92488	92499	92510	92521	92532	92543 92554
	(92478)	TTGGAAAATCAAAACGTAGAAAATTTAAAAAATTAATAATGATATCTAAAAAATTAATTTGAAAAATTTTAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1203						
Candidatus Carsonella ruddii strain BT chromosome...	(92555)	92555	92565	92576	92587	92598	92609	92620 92631
	(92555)	ATCAAACAAATAATAATTTTTTATATATTAATTTTGGAGATTTTAGTTTTATGATTATGTTTTGACATAAGTTGT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1204						
Candidatus Carsonella ruddii strain BT chromosome...	(92632)	92632	92642	92653	92664	92675	92686	92697 92708
	(92632)	TTAATAAATTCTTTTAATAATAATTCTATTATAAATATTAAAAAATATTTTTCATTATTAGAGGTACAAATTATAC						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1205						
Candidatus Carsonella ruddii strain BT chromosome...	(92709)	92709	92719	92730	92741	92752	92763	92774 92785
	(92709)	TTTACCTTGTAATGACAAAATTTTTTGATACCAATTATCATTACATTATTCCTTATGATTAAATAATTTAAAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1206						
Candidatus Carsonella ruddii strain BT chromosome...	(92786)	92786	92796	92807	92818	92829	92840	92851 92862
	(92786)	TATTAAATAATTTTTTTTTTAAATGATTTAAAAAATAATTAAATAGGTATTTTACCTACACCTATAATATTAGGT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

Section 1207									
Candidatus Carsonella ruddii strain BT chromosome...	(92863)	92863	92873	92884	92895	92906	92917	92928	92939
Candidatus Carsonella 135557 - 167442nt	(92863)	CCTTTAAGTTATTTGTTTTATGTATAAAACAACAAAAATACTTTAAAAAATTATTTGAAATTTATATATTAATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1208									
Candidatus Carsonella ruddii strain BT chromosome...	(92940)	92940	92950	92961	92972	92983	92994	93005	93016
Candidatus Carsonella 135557 - 167442nt	(92940)	TAAAAAATAAAAAAATAATATACAAGAAATTTTTTTTGATGAACCAATATTATGTTGTAAAATAAATTCAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1209									
Candidatus Carsonella ruddii strain BT chromosome...	(93017)	93017	93027	93038	93049	93060	93071	93082	93093
Candidatus Carsonella 135557 - 167442nt	(93017)	GGAAAAAATTATTCAATTTATTTTATAATAAACTAAAAAATAATTAAAAATAATTATAATTTCTTCATTTAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1210									
Candidatus Carsonella ruddii strain BT chromosome...	(93094)	93094	93104	93115	93126	93137	93148	93159	93170
Candidatus Carsonella 135557 - 167442nt	(93094)	AATAAAAAATAATTTTGATATTTTAAATAATTTTGAATATAATTTAAATTTAGAAATTTAAAAAATAATTTATTAGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1211									
Candidatus Carsonella ruddii strain BT chromosome...	(93171)	93171	93181	93192	93203	93214	93225	93236	93247
Candidatus Carsonella 135557 - 167442nt	(93171)	ATTTATAAAAAAATAATTTTAATATTATACAAAAATAATTTAAATAAACTAATATTTTATTTTATTTAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1212									
Candidatus Carsonella ruddii strain BT chromosome...	(93248)	93248	93258	93269	93280	93291	93302	93313	93324
Candidatus Carsonella 135557 - 167442nt	(93248)	TTATAAATAAAAAATATTGTTTCAATCACAAGTAATTTAAATACATACCTTATAATTTATATAGAAAATTTTGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1213						
Candidatus Carsonella ruddii strain BT chromosome...	(93325)	93325	93335	93346	93357	93368	93379	93390 93401
	(93325)	AACAAAAATATTTATCTTTTTTTTTTCAAAAAATAAATGAATTAAAAATTAATAAAAAGAAATTTTAAATAAAAAATTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1214						
Candidatus Carsonella ruddii strain BT chromosome...	(93402)	93402	93412	93423	93434	93445	93456	93467 93478
	(93402)	AAATAGTTATAACTTATTATATTTAATTAATTTTAAAAATTTATAATAAAAACTTATTATAAATAACAAATTTAATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1215						
Candidatus Carsonella ruddii strain BT chromosome...	(93479)	93479	93489	93500	93511	93522	93533	93544 93555
	(93479)	AAATTTTAAAAAAAAGCAATAAATTAATAAAAAATTTATTAATAAATAATACTATAGGATCTTTTCCACAAAATAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1216						
Candidatus Carsonella ruddii strain BT chromosome...	(93556)	93556	93566	93577	93588	93599	93610	93621 93632
	(93556)	GAAATTAAAATTTCTAGAAAACAAAAAATTTTTTTTTTATTAAATGAAAAAGAATATAATAATATTTTAAAAGAAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1217						
Candidatus Carsonella ruddii strain BT chromosome...	(93633)	93633	93643	93654	93665	93676	93687	93698 93709
	(93633)	TATTTATTTATGTTTTATTAAACAAATAAAATTAACATCAAAATTTTAGTTAACGGTGAATTTGAAAGAACAGATA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1218						
Candidatus Carsonella ruddii strain BT chromosome...	(93710)	93710	93720	93731	93742	93753	93764	93775 93786
	(93710)	TGGTAGAATTTTTTGCAAAAAATATAAAAGGAATTAATGTTACTAAAAATGGATGGGTACAAAGTTATGGAAGTAGA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1219							
Candidatus Carsonella ruddii strain BT chromosome...	(93787)	93787	93797	93808	93819	93830	93841	93852	93863
	(93787)	TATGTTAAACCTCCTATAATATTAAATATCGAAAAATAGTTTAAATATAACTAATAATTGGTATATTTTACTAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1220							
Candidatus Carsonella ruddii strain BT chromosome...	(93864)	93864	93874	93885	93896	93907	93918	93929	93940
	(93864)	AATAACAAAAAAAAAATTAAATTTATTGTTTCAGGACCTATAACAATGTTAAAAATGGTCTTTTTTGATAATAATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1221							
Candidatus Carsonella ruddii strain BT chromosome...	(93941)	93941	93951	93962	93973	93984	93995	94006	94017
	(93941)	AAATTAAATTTTTATTTTGTGTTTAAATTATCAGAAATAATTAGTTTAGAATTATTTAAATTACAAAATAATGGTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1222							
Candidatus Carsonella ruddii strain BT chromosome...	(94018)	94018	94028	94039	94050	94061	94072	94083	94094
	(94018)	AAAATATTTCAAATAGATGAACCTACTATAAAAGAATGTTTAAATATAAACAAAAAGTATTGGAAATATGAAATAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1223							
Candidatus Carsonella ruddii strain BT chromosome...	(94095)	94095	94105	94116	94127	94138	94149	94160	94171
	(94095)	TAATTTTTTGTTCGTGTTTAAATAATTGTACTAAATTTATTAAAAAAATAATGAAATACATTACATGTTTGTTATT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1224							
Candidatus Carsonella ruddii strain BT chromosome...	(94172)	94172	94182	94193	94204	94215	94226	94237	94248
	(94172)	CTATTTTTTAACGATATAATAAAATTTATTGAAAAATAAATATTGATATATTATCTATAGAATCTACTAGAGAAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1225							
Candidatus Carsonella ruddii strain BT chromosome...	(94249)	94249	94259	94270	94281	94292	94303	94314	94325
	(94249)	ATGGAAAATTTAAATATATTTAAAAAACTAAATTAAATTTAGGTGCTGGAATTTATGATGTTTCATTCTCCAATTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1226							
Candidatus Carsonella ruddii strain BT chromosome...	(94326)	94326	94336	94347	94358	94369	94380	94391	94402
	(94326)	ACCATATAAAAAAAAAAATAAAAAAAAAATATTTTTTTTTTGTAAATAAAATTAATTTTTTAAAAATTTTAATTAATC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1227							
Candidatus Carsonella ruddii strain BT chromosome...	(94403)	94403	94413	94424	94435	94446	94457	94468	94479
	(94403)	CTGATTGTGGATTAAAACTAGAAATTGGTACGAATTAAATTTTACTTTTTTAAATATTAATAATATATTAAATTAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1228							
Candidatus Carsonella ruddii strain BT chromosome...	(94480)	94480	94490	94501	94512	94523	94534	94545	94556
	(94480)	ATAAAAAATTTTTATTATTAAACGAAATTGTTTTCTTTAAATCCAGAAATTTTTCTCTTCTTATAAAATTCTTTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1229							
Candidatus Carsonella ruddii strain BT chromosome...	(94557)	94557	94567	94578	94589	94600	94611	94622	94633
	(94557)	TATTTCAAATAAGAAATATTATTAAATATAATAAATATTATTATATGATATAATAGATCACAAATTTCTTTTATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1230							
Candidatus Carsonella ruddii strain BT chromosome...	(94634)	94634	94644	94655	94666	94677	94688	94699	94710
	(94634)	AAAAATATCTATTATAACAATTTTTTAATAAATAATATTTATTTAAAGAAATATAAATTTCAAATATTTCTTCAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1231						
Candidatus Carsonella ruddii strain BT chromosome...	(94711)	94711	94721	94732	94743	94754	94765	94776 94787
	(94711)	ATTTTTTTAAATAAAAAATTCAAAATTATTTAATAATATATATTTTGAGTAAGATTACTTACTATGAATTTATTTTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1232						
Candidatus Carsonella ruddii strain BT chromosome...	(94788)	94788	94798	94809	94820	94831	94842	94853 94864
	(94788)	TATAATTTTTATTATTTTTTTAATCATGAATAAAATATATTTTAATTGTATTTGTAATGAAAAATATTATTTGTTTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1233						
Candidatus Carsonella ruddii strain BT chromosome...	(94865)	94865	94875	94886	94897	94908	94919	94930 94941
	(94865)	CTTTTTTTAAAAAAATATAAATATAAATATTTGTGTTAATTGTCATCCTTTTTATACAAAAAAAAAAAAATTTATTT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1234						
Candidatus Carsonella ruddii strain BT chromosome...	(94942)	94942	94952	94963	94974	94985	94996	95007 95018
	(94942)	GATAATTCTAAAAGAGCTAAAAATTTTAATAATAAATATGCAATTTTTTTTAAAAAATAAATTTATATATGGAGATT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1235						
Candidatus Carsonella ruddii strain BT chromosome...	(95019)	95019	95029	95040	95051	95062	95073	95084 95095
	(95019)	CATGTTTCAGGTAAACTTATATATATAAAAAAATAAACTTAATAAATTTGATACTGATTATTATTTAAATATAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1236						
Candidatus Carsonella ruddii strain BT chromosome...	(95096)	95096	95106	95117	95128	95139	95150	95161 95172
	(95096)	AAAATTATTTTAAATATGAATTTTTTTTTTAGAATTATTGAAATAAAAAATTTATTATTAATTTTAAATTAAAAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1237							
Candidatus Carsonella ruddii strain BT chromosome...	(95173)	95173	95183	95194	95205	95216	95227	95238	95249
	(95173)	ATATTTTTTTTTTAGGAGGTGGTTTAATTGTTAAAAATTGTTTTTAATATATAAAAAACAATTCTATAATTGATCAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1238							
Candidatus Carsonella ruddii strain BT chromosome...	(95250)	95250	95260	95271	95282	95293	95304	95315	95326
	(95250)	AAAAAGATTAATATTAAATAATTTTAATCGTCCAACATTAAAAATAATTTTTCTAAAAATAAGATTTTGTATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1239							
Candidatus Carsonella ruddii strain BT chromosome...	(95327)	95327	95337	95348	95359	95370	95381	95392	95403
	(95327)	AGAAAAAATTTTATATAAAAAATTTATAACATTTGTATTACAAAATGTTTAAATGTAATTTTTATTATTATGATA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1240							
Candidatus Carsonella ruddii strain BT chromosome...	(95404)	95404	95414	95425	95436	95447	95458	95469	95480
	(95404)	TTAATAAAAAATTAAAAAAATATATAACAAATATATATATTAGTAATTCTTATAAAAAAATTTATAATTTTTTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1241							
Candidatus Carsonella ruddii strain BT chromosome...	(95481)	95481	95491	95502	95513	95524	95535	95546	95557
	(95481)	CAAAAAAATATTTTTTAATTTTGATTATAATATATATTTTTTATTTTTTAAATTTATTAAATTTAATTTTAAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1242							
Candidatus Carsonella ruddii strain BT chromosome...	(95558)	95558	95568	95579	95590	95601	95612	95623	95634
	(95558)	ATTATAAATTTATTATTCTTCCTTATGGAGAAAAATGTTAAAAATATTAATTCTTTAAAAATAATTTGGAAATATATG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1243									
Candidatus Carsonella ruddii strain BT chromosome...	(95635)	95635	95645	95656	95667	95678	95689	95700	95711
Candidatus Carsonella 135557 - 167442nt	(95635)	ATTAATAATCAAATAAATAAAAAATTATAATAC TTTTATAATAGGAGGTGGAGTAATAGGAGATTTAGTTAGTTATGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1244									
Candidatus Carsonella ruddii strain BT chromosome...	(95712)	95712	95722	95733	95744	95755	95766	95777	95788
Candidatus Carsonella 135557 - 167442nt	(95712)	TTGTTCTTCATATTTTAGAGGAATAAATTATTGTTTGTTACCTACATCTTTATTATCTCAAATAGATTCTTCTATAG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1245									
Candidatus Carsonella ruddii strain BT chromosome...	(95789)	95789	95799	95810	95821	95832	95843	95854	95865
Candidatus Carsonella 135557 - 167442nt	(95789)	GTGGAAAAAATGCAATAAATTTTTTTTCAAAAAATAC TTTAGGAATTATTAATTGTCCTATTTTATATTTATTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1246									
Candidatus Carsonella ruddii strain BT chromosome...	(95866)	95866	95876	95887	95898	95909	95920	95931	95942
Candidatus Carsonella 135557 - 167442nt	(95866)	TATTTAATTATTTTTTACATGAAAAAAAAAGAATTTAAAGATGGATATGCAGAAATAATTAAATATTCTTTATTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1247									
Candidatus Carsonella ruddii strain BT chromosome...	(95943)	95943	95953	95964	95975	95986	95997	96008	96019
Candidatus Carsonella 135557 - 167442nt	(95943)	TAATAAAAAATTTTTTTTCTATTTGTTTAAAAAAAAAAAAATAAAAAATAATAAGATCATGTTATATTAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1248									
Candidatus Carsonella ruddii strain BT chromosome...	(96020)	96020	96030	96041	96052	96063	96074	96085	96096
Candidatus Carsonella 135557 - 167442nt	(96020)	GTAAATAAATTTCTCAAGATTATAAAGAAATAAATTTTAGATCTGTTTTAAATTTAGGACATACTTATGCTCATTGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1249						
Candidatus Carsonella ruddii strain BT chromosome...	(96097)	96097	96107	96118	96129	96140	96151	96162 96173
	(96097)	ATAGAAAATAATAAAATAAAAAATTTTCACATGGTGAATCTGTTACTATCGGTACTATTTTGTGTATTTTATC						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1250						
Candidatus Carsonella ruddii strain BT chromosome...	(96174)	96174	96184	96195	96206	96217	96228	96239 96250
	(96174)	AAGTTTTTTTTATTTTTTTGTAAATAAAATTATTAAAAAAATTTGAATTTATTTTAAAAATTAATTTTTTTATTA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1251						
Candidatus Carsonella ruddii strain BT chromosome...	(96251)	96251	96261	96272	96283	96294	96305	96316 96327
	(96251)	AAAATAAGATAAAAATTTCTAAAAAAATGATTAATAAAATTATTTTAGATAAAAAATTTGATAATAAAATAAATTAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1252						
Candidatus Carsonella ruddii strain BT chromosome...	(96328)	96328	96338	96349	96360	96371	96382	96393 96404
	(96328)	ATTATAATGAGAAAAATTGGTTTTTGTATAAAAAAAAAATTAATAAAAAATTTTAAATTATATTTTAAAAAAATT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1253						
Candidatus Carsonella ruddii strain BT chromosome...	(96405)	96405	96415	96426	96437	96448	96459	96470 96481
	(96405)	TTATGAAATCTAAATTAATAACTAAATGGCCAGAAAAAGCTTCAAATAGATCAATGTTAAGAGCTGTAGGCTACACT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1254						
Candidatus Carsonella ruddii strain BT chromosome...	(96482)	96482	96492	96503	96514	96525	96536	96547 96558
	(96482)	GATTATGATTTTAATAAATTTCAAGTAGGAATAGCATCAACATGGAGTAATATAACTCCATGTAATAATCATATAAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

Section 1255									
Candidatus Carsonella ruddii strain BT chromosome...	(96559)	96559	96569	96580	96591	96602	96613	96624	96635
Candidatus Carsonella 135557 - 167442nt	(96559)	TGTATTATCTAAAGCAGTAGAATTTGGAGTTAATAAATTTTGTAATCTACAATATTTAATACAATTACTGTATCTG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1256									
Candidatus Carsonella ruddii strain BT chromosome...	(96636)	96636	96646	96657	96668	96679	96690	96701	96712
Candidatus Carsonella 135557 - 167442nt	(96636)	ATGGTATTTCAAATGGAAATTTAGGTATGAAATTTTCTTTATTATCAAGAGAAATAATTTCTTCTTCTATTGAAACA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1257									
Candidatus Carsonella ruddii strain BT chromosome...	(96713)	96713	96723	96734	96745	96756	96767	96778	96789
Candidatus Carsonella 135557 - 167442nt	(96713)	GTTTGTAATGCTCAAAGTTTTGATGGTTTAGTTAGTATCGGAGGATGTGATAAAAATATACCAGGTTGTATATTAGG							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1258									
Candidatus Carsonella ruddii strain BT chromosome...	(96790)	96790	96800	96811	96822	96833	96844	96855	96866
Candidatus Carsonella 135557 - 167442nt	(96790)	TATGTGTAGATTAAATATACCATCTATATTTATTTATGGAGGTACTATTTTGCCAGGAAAAAATAGAACAGATATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1259									
Candidatus Carsonella ruddii strain BT chromosome...	(96867)	96867	96877	96888	96899	96910	96921	96932	96943
Candidatus Carsonella 135557 - 167442nt	(96867)	TATCTGTTTTTGAATCATTAGGTAAATTTTTTCTAAAAAAATAAATGAAAAAGAATTATTAGAAATAGAAAAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1260									
Candidatus Carsonella ruddii strain BT chromosome...	(96944)	96944	96954	96965	96976	96987	96998	97009	97020
Candidatus Carsonella 135557 - 167442nt	(96944)	TCTATCATTGGATCTGGATCATGTAGTGGTATGTATACAGCAAATTC AATGGCAATTGTTGCTGAAGTTCTTGGAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1261							
Candidatus Carsonella ruddii strain BT chromosome...	(97021)	97021	97031	97042	97053	97064	97075	97086	97097
	(97021)	TAGTTTACCAAATTCTTCTATTCAAATGCACAATCAATTAATAAAATAATAAATTGTTTAAATTCTGGTAAATTAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1262							
Candidatus Carsonella ruddii strain BT chromosome...	(97098)	97098	97108	97119	97130	97141	97152	97163	97174
	(97098)	TTTTTAATTTATTAATAAATAATATTAAACCTAAAAATATAATAAATATAAATTCTATAAAAAATGCAATTAAAGTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1263							
Candidatus Carsonella ruddii strain BT chromosome...	(97175)	97175	97185	97196	97207	97218	97229	97240	97251
	(97175)	ATATCTTTTTTAGGTGGTCTACCAATTGTATTCTTCATATATTAAGTTTTATAGATTGTTTAAAAATAAATTTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1264							
Candidatus Carsonella ruddii strain BT chromosome...	(97252)	97252	97262	97273	97284	97295	97306	97317	97328
	(97252)	TTTACAACAAATAAAAGAATTTTCAAATAATTTACCAATATTTCTGATTTAAACCAAGTGGAATAATTTTATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1265							
Candidatus Carsonella ruddii strain BT chromosome...	(97329)	97329	97339	97350	97361	97372	97383	97394	97405
	(97329)	CTGATTTAATAAATTCTGGAGGAATACAAAAATTTTAAAAATTTTAAATAGAAAGAAAAATATTATTGATGGTAATACT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1266							
Candidatus Carsonella ruddii strain BT chromosome...	(97406)	97406	97416	97427	97438	97449	97460	97471	97482
	(97406)	TTAACCATTACTGGTTATTCATTAAAGAAAAATTTAAAAATTTATAAAAAACAAATTATATTAATAAATTATTAAATG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1267							
Candidatus Carsonella ruddii strain BT chromosome...	(97483)	97483	97493	97504	97515	97526	97537	97548	97559
	(97483)	TTTAAATTTTCCTATAAAAAAACAAATCAAATAAAAAATTTTATTTGGAAATTTAGCACAAAAGGGTTGTGTTGCAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1268							
Candidatus Carsonella ruddii strain BT chromosome...	(97560)	97560	97570	97581	97592	97603	97614	97625	97636
	(97560)	AAATTTTCAGGTAAAGAAGGTGAACTTTTTTAGGAAAAACAAAAGTTTTTAATTCAGAAGAAGAATCAGTAGAATTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1269							
Candidatus Carsonella ruddii strain BT chromosome...	(97637)	97637	97647	97658	97669	97680	97691	97702	97713
	(97637)	ATTTACAAAAACAAAATTTATTCAAAAAACAATAATAATTATAAGATTTGAAGGAGTTAAAGGTGGTCTCTGGAATGAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1270							
Candidatus Carsonella ruddii strain BT chromosome...	(97714)	97714	97724	97735	97746	97757	97768	97779	97790
	(97714)	AGAAATGCTTACACCTACTTCTGCTTTAATAGGTGTTGGAGTAAAAAAAATATTGCTTTAATTACAGATGGGAGAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1271							
Candidatus Carsonella ruddii strain BT chromosome...	(97791)	97791	97801	97812	97823	97834	97845	97856	97867
	(97791)	TTTCTGGTGGAAGTCATGGATTTGTTGTTGGACACGTATCTCCTGAAGCGTATGAAAAAGGAGAAATATCACTTGTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1272							
Candidatus Carsonella ruddii strain BT chromosome...	(97868)	97868	97878	97889	97900	97911	97922	97933	97944
	(97868)	AAAGATAATGAAATTATTATTATTGATTCAATTAATAATAATTTAATATTTTTTATAAATAAAAAAAATTTGTTAAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1273									
Candidatus Carsonella ruddii strain BT chromosome...	(97945)	97945	97955	97966	97977	97988	97999	98010	98021
Candidatus Carsonella 135557 - 167442nt	(97945)	AAGAAAACAAAATTTTATAAATTATAGTAAAATATCTTTTGGTATATTAAATTTATATAGAAAAATGTCCTTTAGATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1274									
Candidatus Carsonella ruddii strain BT chromosome...	(98022)	98022	98032	98043	98054	98065	98076	98087	98098
Candidatus Carsonella 135557 - 167442nt	(98022)	CTTCTAAAGGTTTCAGGTTTAAATTATTAAAAAACTAATAAAATTAATTTAGTTATATTTTTTTTTTTGAAAATGT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1275									
Candidatus Carsonella ruddii strain BT chromosome...	(98099)	98099	98109	98120	98131	98142	98153	98164	98175
Candidatus Carsonella 135557 - 167442nt	(98099)	TAAAATTTTTAAGATTAAAAATTAATTTAAAAAATAAAGAAGTTTAAATATAGAAAAATTTGATATAAAAAATATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1276									
Candidatus Carsonella ruddii strain BT chromosome...	(98176)	98176	98186	98197	98208	98219	98230	98241	98252
Candidatus Carsonella 135557 - 167442nt	(98176)	ATTAAAAAATTAATTAAAAATTAATTTATAACAAAAAATAAATAAAAAATGAATAAAAAAATGAATAAAAAAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1277									
Candidatus Carsonella ruddii strain BT chromosome...	(98253)	98253	98263	98274	98285	98296	98307	98318	98329
Candidatus Carsonella 135557 - 167442nt	(98253)	TAATGTTAAAAAAGAAATTACAATTTCAATATTATTTTTTAAAAATTTAATTTTAGAAATAAATAAATGTTGAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1278									
Candidatus Carsonella ruddii strain BT chromosome...	(98330)	98330	98340	98351	98362	98373	98384	98395	98406
Candidatus Carsonella 135557 - 167442nt	(98330)	TTATTAATAAATAATATCATAGATAATTTAAAAATATTTTTTTCATTGTCCTTTTTTAAAAATTTATTTTTTAATTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

Section 1279									
Candidatus Carsonella ruddii strain BT chromosome...	(98407)	98407	98417	98428	98439	98450	98461	98472	98483
Candidatus Carsonella 135557 - 167442nt	(98407)	AAATGAAAATAAAAAATGAAATTAAAGAATATGTATTTTTTTCTATAATAATGTTATTTATGATTATAATAAAATCAC							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1280									
Candidatus Carsonella ruddii strain BT chromosome...	(98484)	98484	98494	98505	98516	98527	98538	98549	98560
Candidatus Carsonella 135557 - 167442nt	(98484)	TTTTATTTGTTAAAAATTATTATAAATTATTTAAAAATAAAAAAAAAAACATAATTAAAAATATTAAAAATAACATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1281									
Candidatus Carsonella ruddii strain BT chromosome...	(98561)	98561	98571	98582	98593	98604	98615	98626	98637
Candidatus Carsonella 135557 - 167442nt	(98561)	TTATTTATAAAAAATTTTACTTTTATTTTGATAGAAAATTTATATGTTTTATTTCTTTTTTTATAAATTATTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1282									
Candidatus Carsonella ruddii strain BT chromosome...	(98638)	98638	98648	98659	98670	98681	98692	98703	98714
Candidatus Carsonella 135557 - 167442nt	(98638)	ATTTTTTTTTAAATAAATTTATTATTTTTATTTATTTTTTATTTATAAAAAACATTTTTTTGTATAAAATTAATAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1283									
Candidatus Carsonella ruddii strain BT chromosome...	(98715)	98715	98725	98736	98747	98758	98769	98780	98791
Candidatus Carsonella 135557 - 167442nt	(98715)	TTTCAATTTTAAATATAAATTGAAAATTTTTTTATTGTTTTATTAGAAATTTTAAATAAAAAATTTAATTAATTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							
Section 1284									
Candidatus Carsonella ruddii strain BT chromosome...	(98792)	98792	98802	98813	98824	98835	98846	98857	98868
Candidatus Carsonella 135557 - 167442nt	(98792)	AAAAAATTATTGTATTTTGAAATAAAATTTTGTTGTTTTTATCAAATTTAATTTAAAAATGAATTTTTATAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1285							
Candidatus Carsonella ruddii strain BT chromosome...	(98869)	98869	98879	98890	98901	98912	98923	98934	98945
	(98869)	ATAAATTTAATTAAGTTAGAATCTATAAAACAAGAAAAACATTAAATTTAATTGCTTCTGAAAATTACTCAAGTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1286							
Candidatus Carsonella ruddii strain BT chromosome...	(98946)	98946	98956	98967	98978	98989	99000	99011	99022
	(98946)	ATCAACAATAATTTATTCATCTTCTTGTTATATAAATAAATATACAGAAGGTTATCCCAAAAATAGATATTATTCTG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1287							
Candidatus Carsonella ruddii strain BT chromosome...	(99023)	99023	99033	99044	99055	99066	99077	99088	99099
	(99023)	GTTGTAAATATTTGATATTTTTGAAAACAAAAGTATAATTGAATCTCAATTATTATTTTCTTCATTATTTTCAAAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1288							
Candidatus Carsonella ruddii strain BT chromosome...	(99100)	99100	99110	99121	99132	99143	99154	99165	99176
	(99100)	GTACAACCACATTCTGGAGCACAAAGCAAATTTTGCTGTTTTCCAACTTTATTAAACAAAAATGATAAAATTCTTTC							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1289							
Candidatus Carsonella ruddii strain BT chromosome...	(99177)	99177	99187	99198	99209	99220	99231	99242	99253
	(99177)	TTTAGATTTAAATCAGGAGGACATTTAACACATGGTTTTATTAAGAATTTTCTGCTAAATCTTTAATATTATAA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1290							
Candidatus Carsonella ruddii strain BT chromosome...	(99254)	99254	99264	99275	99286	99297	99308	99319	99330
	(99254)	ATTATTGTTTAGATAAAAAATAATTTAATTGATAATAACTATATTAATTTAATAATTAAAAAGAAAAACCAAATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1291						
Candidatus Carsonella ruddii strain BT chromosome...	(99331)	99331	99341	99352	99363	99374	99385	99396 99407
	(99331)	TTAATTTTAGGATATTCTTCTTATCAAGAGTTAATAGATTGGAAAAAATTAAATATTATTTCTAAAAAAATAATTG						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1292						
Candidatus Carsonella ruddii strain BT chromosome...	(99408)	99408	99418	99429	99440	99451	99462	99473 99484
	(99408)	TTATATATTATCTGATATTAGTCATATTTCTGGTTTTATATGTTCTGGTTTAATAAAAAATCCTATTAATTATTCAG						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1293						
Candidatus Carsonella ruddii strain BT chromosome...	(99485)	99485	99495	99506	99517	99528	99539	99550 99561
	(99485)	ATGTTGTTTCTTCAACAACCTATAAAACCTTAAGAGGTATTAAAGGAGGAATACTTTTAAGTAACAATAAAAAATATT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1294						
Candidatus Carsonella ruddii strain BT chromosome...	(99562)	99562	99572	99583	99594	99605	99616	99627 99638
	(99562)	TTTAATAAAATTAATTCATCTGTTTTTCCAGGTCAACAAGGTGGTTCATAAGTAATAATATTATTAGTAAATATGT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1295						
Candidatus Carsonella ruddii strain BT chromosome...	(99639)	99639	99649	99660	99671	99682	99693	99704 99715
	(99639)	TTCTTTTAAAGAAGCAAATAATTTTAATTTTATAAAATATACAAAACAAATTTTAATAAATTCATAAAATAATGTTAA						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1296						
Candidatus Carsonella ruddii strain BT chromosome...	(99716)	99716	99726	99737	99748	99759	99770	99781 99792
	(99716)	AAACTTTTTTTTATAGAGGTTATAAATCTTCTACAAAAGAAACAATAAATCATATGTTTTTAATAAATTTATTAAAT						
	(1)	-----						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1297							
Candidatus Carsonella ruddii strain BT chromosome...	(99793)	99793	99803	99814	99825	99836	99847	99858	99869
	(99793)	AAATGTACTTTATTAATTGAAAAAATATTAGAAAAAATGGAATCCTTTTAAACAGGAATTTTTTTCCTAATGATAT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1298							
Candidatus Carsonella ruddii strain BT chromosome...	(99870)	99870	99880	99891	99902	99913	99924	99935	99946
	(99870)	TAAATTTTCTAAAAATCCAAGTGCGATTAGAATCGGATTATCGTCTGTTACAACAAGAAAAATTAAAAAATTTAGAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1299							
Candidatus Carsonella ruddii strain BT chromosome...	(99947)	99947	99957	99968	99979	99990	100001	100012	100023
	(99947)	TTGAATTAATTTCTAACTATATTTGTGATATAATTGAAAAATTATAAAAAAATTATAAAAAATCAAATAAAAAATATTA							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1300							
Candidatus Carsonella ruddii strain BT chromosome...	(100024)	100024	100034	100045	100056	100067	100078	100089	100100
	(100024)	TGTTTAAAAATTTCCAATTTATAAATAAATTTTTTTATTAATAAAAAAATAATAAAATTTATTTATAAATATTATATTTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1301							
Candidatus Carsonella ruddii strain BT chromosome...	(100101)	100101	100111	100122	100133	100144	100155	100166	100177
	(100101)	TATTATAAGTATATTAATATTTTTTTTATTAATAAAAAATAATAAAATTTATTTATAAATATTATATTTTTTTATTATAAG							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
		Section 1302							
Candidatus Carsonella ruddii strain BT chromosome...	(100178)	100178	100188	100199	100210	100221	100232	100243	100254
	(100178)	TATATTAATATTTTTTTTATTAATAAAAAATAATAAAATTTATTTATAAATATTATTTCTATTAATAAATTTTGTATTTT							
	(1)	-----							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1303						
	(100255)	100255	100265	100276	100287	100298	100309	100320 100331
Candidatus Carsonella ruddii strain BT chromosome...	(100255)	TAAACAAATATAAATTTTAAATCTGAATTATTAATGATGTTATTTTATTATAAAAAAAAAAATAAATATCATTATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1304						
	(100332)	100332	100342	100353	100364	100375	100386	100397 100408
Candidatus Carsonella ruddii strain BT chromosome...	(100332)	GAATCTGATATAAAAAATTTTTTTTCATTTTAAATTTTAAATGAGTTTAAAAATTTTATTATTTTAAATATTTATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1305						
	(100409)	100409	100419	100430	100441	100452	100463	100474 100485
Candidatus Carsonella ruddii strain BT chromosome...	(100409)	TTTTATATTTGAACAAAATAAATAATTTTATATATTTTAAATTTATTATATAATATATAATAATTAGTTGAAGTTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1306						
	(100486)	100486	100496	100507	100518	100529	100540	100551 100562
Candidatus Carsonella ruddii strain BT chromosome...	(100486)	AAACTATATTTTTTTTTTATTATTTTCATAAAAAATTATAATTGTAAAAAATTTTTTTTAAATAATTAAAAATTATTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1307						
	(100563)	100563	100573	100584	100595	100606	100617	100628 100639
Candidatus Carsonella ruddii strain BT chromosome...	(100563)	ATTTTTTTTAATTTTTTAAAAAAAAAAAAATTAATAATTTTAAATAACAAAAATTATTTATTATAATTTTTTCATATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1308						
	(100640)	100640	100650	100661	100672	100683	100694	100705 100716
Candidatus Carsonella ruddii strain BT chromosome...	(100640)	ATAATAAAAAAATTATTTATTTTTTTTTTTTTTAAAAATTAAAAATTTTAAATTTATATAATAATAAACCCCATAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1309						
	(100717)	100717	100727	100738	100749	100760	100771	100782 100793
Candidatus Carsonella ruddii strain BT chromosome...	(100717)	AATCACTATCACAATTTACGATTGTATTATCATAATCAAAAAATAATTTTATCATGTTTTTAAATTTATTAATAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1310						
	(100794)	100794	100804	100815	100826	100837	100848	100859 100870
Candidatus Carsonella ruddii strain BT chromosome...	(100794)	ATTAATTATTTTTTTTTTAAATATTTATAAAAAAAAAAATAAAAAAAAAATTTAAATAAATTTATTTTACAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1311						
	(100871)	100871	100881	100892	100903	100914	100925	100936 100947
Candidatus Carsonella ruddii strain BT chromosome...	(100871)	TAAAAATTTATACAAATTAATAAACAAATTATGAATTTATCTATAATTGGATTACAATGGGGTGATGAAGGAAAGGG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1312						
	(100948)	100948	100958	100969	100980	100991	101002	101013 101024
Candidatus Carsonella ruddii strain BT chromosome...	(100948)	TAAAATTATAGATTTATTGTCTAATTATTCAGATTTAAATATTAGATATAATGGAGGACACAATGCTGGACATATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1313						
	(101025)	101025	101035	101046	101057	101068	101079	101090 101101
Candidatus Carsonella ruddii strain BT chromosome...	(101025)	TATATGTTAAAAACAAAAAAAAAAGTATTAGAATATTGCCATCTGGCATATTTAAAAAAATGTTTATGTTTATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1314						
	(101102)	101102	101112	101123	101134	101145	101156	101167 101178
Candidatus Carsonella ruddii strain BT chromosome...	(101102)	TCTAATAATGCTTTGTTATCATTATTTAATTTATTAAAAAGAATTAAAAAATATAAAAAATAATTTAATAATTTTCTAGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1315						
	(101179)	101179	101189	101200	101211	101222	101233	101244 101255
Candidatus Carsonella ruddii strain BT chromosome...	(101179)	AAATGTATATATTATTAATAAACTTGATGAATTTATTGATTATTTAATTGATAAAATTATTAATATAGGAACAACCTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1316						
	(101256)	101256	101266	101277	101288	101299	101310	101321 101332
Candidatus Carsonella ruddii strain BT chromosome...	(101256)	ATAGTGGTATAAGTATTTGTTATTTAAAAAATATATAAAATGTTGTTTAAATATAAGAAATGTTTATAAAATAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1317						
	(101333)	101333	101343	101354	101365	101376	101387	101398 101409
Candidatus Carsonella ruddii strain BT chromosome...	(101333)	TATTTTAATTTAATAAAAAAAAAATATTTTTTTTTTATAATTTATTTTTTATTTTTTTTAAATATAAAATATAAAATAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1318						
	(101410)	101410	101420	101431	101442	101453	101464	101475 101486
Candidatus Carsonella ruddii strain BT chromosome...	(101410)	TTTTTATTTTTTTTTCAAAAAATATTAAAAAATGATTTTTTTTTTTAAAGAAAAAATAATTAAAAATGATATATTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1319						
	(101487)	101487	101497	101508	101519	101530	101541	101552 101563
Candidatus Carsonella ruddii strain BT chromosome...	(101487)	TAAATAATAAAAAATAATAAATTTTTGAAAGTTCACAAGGAACCTTTATTAGATTTTGATTTAGGTACTTATCCTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1320						
	(101564)	101564	101574	101585	101596	101607	101618	101629 101640
Candidatus Carsonella ruddii strain BT chromosome...	(101564)	GTTACTTGTTCAAATACAGTTAATAAATCAATTTTTATAAATTCAAATTTTTTTTTTAAAAAATAAAATTTATTGG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1321						
	(101641)	101641	101651	101662	101673	101684	101695	101706 101717
Candidatus Carsonella ruddii strain BT chromosome...	(101641)	TATAATAAAATCATATATTACTAGAGTTGGAAACGGTTATTTAATATCTAAAATTAAAAAATTCAAAAATAATTTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1322						
	(101718)	101718	101728	101739	101750	101761	101772	101783 101794
Candidatus Carsonella ruddii strain BT chromosome...	(101718)	TTTCTATATTAAGTAAAGAAATTTGGAACAAATTCATTGAGATTAAGAAAAACAGGTTGGTTGGATTATTTTCTTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1323						
	(101795)	101795	101805	101816	101827	101838	101849	101860 101871
Candidatus Carsonella ruddii strain BT chromosome...	(101795)	ATTAATATGATAAAAAATAAATAATATTTCAAATATTATTTTAACAAAAATGGATTCATTTATGTTTATTAAATATAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1324						
	(101872)	101872	101882	101893	101904	101915	101926	101937 101948
Candidatus Carsonella ruddii strain BT chromosome...	(101872)	AAAAATAGTAATAAATTATAAATCAAAAAATATTTTAAATAATTATAAAAAATAATTTATTTTGTAAGAAAAATATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1325						
	(101949)	101949	101959	101970	101981	101992	102003	102014 102025
Candidatus Carsonella ruddii strain BT chromosome...	(101949)	TATTTTTTTTTTCTTGGAAGAAAGTACATTTAAATATTTTAAATGAAAAAATTTTCATTTTATATTAGATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1326						
	(102026)	102026	102036	102047	102058	102069	102080	102091 102102
Candidatus Carsonella ruddii strain BT chromosome...	(102026)	ATTGAAAAAATTATAAATACTCCTATTTCAATTATTTCTATAGGTAAAAATAATAAGATATTATTATTTTATGAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1327						
	(102103)	102103	102113	102124	102135	102146	102157	102168 102179
Candidatus Carsonella ruddii strain BT chromosome...	(102103)	AAATTTAATTATTATAGTATAATAAATTCATATCAAATAGAAGAAAAATTTTGTGAAAATTTAATAAAAGAAATTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1328						
	(102180)	102180	102190	102201	102212	102223	102234	102245 102256
Candidatus Carsonella ruddii strain BT chromosome...	(102180)	ACGTGTAATAATGAACCAATTTGGATGCTTTCATTAGATTAAATTCCTTTAATTTTTTGAAAAAATTAAATTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1329						
	(102257)	102257	102267	102278	102289	102300	102311	102322 102333
Candidatus Carsonella ruddii strain BT chromosome...	(102257)	CAAATTGGGGAAATTTTTTTTTTAAAAAAATTTTACTTTATAATTCTTGTTATTATAGTTTTTCATGATAATAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1330						
	(102334)	102334	102344	102355	102366	102377	102388	102399 102410
Candidatus Carsonella ruddii strain BT chromosome...	(102334)	AATTATTCTATTAAAAAACTTTTCAAAAATTTATTAATAAAAAACCAATAGATTTTATTATAATTCTATATC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1331						
	(102411)	102411	102421	102432	102443	102454	102465	102476 102487
Candidatus Carsonella ruddii strain BT chromosome...	(102411)	AATTAAACTACTATGAAAAAAATTTATTTAATAAAGGAATTATTTTTTGTTCATTTAATGAAGCAATAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1332						
	(102488)	102488	102498	102509	102520	102531	102542	102553 102564
Candidatus Carsonella ruddii strain BT chromosome...	(102488)	TTAAACATATTATTTTAAAATATTTAGGAAGTGTGTAAAACCATATGATAATTTTTTTTCTTGTTTAAATTCTTCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

Section 1333								
Candidatus Carsonella ruddii strain BT chromosome...	(102565)	102565	102575	102586	102597	102608	102619	102630 102641
Candidatus Carsonella 135557 - 167442nt	(102565)	ATTTTGTAGTGATGGAAC TTTTGTTTATATTCC TAAAAATACTATATGTCCTATAGAATTATCATCTTATTTTAGAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1334								
Candidatus Carsonella ruddii strain BT chromosome...	(102642)	102642	102652	102663	102674	102685	102696	102707 102718
Candidatus Carsonella 135557 - 167442nt	(102642)	AAATGATGAGGTTGGGCAATTTGAAAGAACATTAATAATATGTGAAGAGAATTCATCAGTTTCTTATTTAGAAGGTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1335								
Candidatus Carsonella ruddii strain BT chromosome...	(102719)	102719	102729	102740	102751	102762	102773	102784 102795
Candidatus Carsonella 135557 - 167442nt	(102719)	GTACAGCTTCTATTAAAAAATAATCAATTACATACAGCTATTGTTGAAATTATTATTAAAAAACTCAACTGTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1336								
Candidatus Carsonella ruddii strain BT chromosome...	(102796)	102796	102806	102817	102828	102839	102850	102861 102872
Candidatus Carsonella 135557 - 167442nt	(102796)	AAATATTCAACTGTTCAAATTTGGTATTCAGGAAATAAATTTAATTTAAATGGAATTTATAATTTTGTAACAAAAAG						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1337								
Candidatus Carsonella ruddii strain BT chromosome...	(102873)	102873	102883	102894	102905	102916	102927	102938 102949
Candidatus Carsonella 135557 - 167442nt	(102873)	AGGAATTTGCTATGGAAATAATTCAAATTTAATTTGGATTCAAATAGAACTGGATCTTCTATTACTTGGAAATATC						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1338								
Candidatus Carsonella ruddii strain BT chromosome...	(102950)	102950	102960	102971	102982	102993	103004	103015 103026
Candidatus Carsonella 135557 - 167442nt	(102950)	CTTCTTCTATTTTAAAAGGTAATTTTACAAATAGTGAATTTTATTCTATAAGTATAAGCAATAATTATCAACAAATA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1339						
	(103027)	103027	103037	103048	103059	103070	103081	103092 103103
Candidatus Carsonella ruddii strain BT chromosome...	(103027)	GATACTGGAACAAAAATGTATTATTTAGGAAATAACGCTAATTCTTATATTAATTCTAAAAGTATATCATTAAATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1340						
	(103104)	103104	103114	103125	103136	103147	103158	103169 103180
Candidatus Carsonella ruddii strain BT chromosome...	(103104)	TTCTATACAAACTTATAGAGGATATATAAAAGTTTGGAAAAATCTAAAAATTCTAAAAATTATACTTCTTGTGATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1341						
	(103181)	103181	103191	103202	103213	103224	103235	103246 103257
Candidatus Carsonella ruddii strain BT chromosome...	(103181)	CGATAATTATGGATAATGGTAAAATTTTACGTTTCCAATAAATTCTATTTTAAATTATAATTCAATTATAGAACAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1342						
	(103258)	103258	103268	103279	103290	103301	103312	103323 103334
Candidatus Carsonella ruddii strain BT chromosome...	(103258)	GAAGCTAGTGTTACTAAAATTTTCATTAAATGAAATTATTTTATTAAAAAGTAAAGGATTATGGAATCATCAATGTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1343						
	(103335)	103335	103345	103356	103367	103378	103389	103400 103411
Candidatus Carsonella ruddii strain BT chromosome...	(103335)	TAATATGTTAATTAATAATTTTGTACAGTATTATTAAAAACTTCCTTTAGAAATTTTTTCTGAAATTAATGATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1344						
	(103412)	103412	103422	103433	103444	103455	103466	103477 103488
Candidatus Carsonella ruddii strain BT chromosome...	(103412)	TAATAAGTTCTATAATAAATTATTCTATAATATGATTAAAAATTATTAATTTATCAATAAAATGTGAAAATTTTTTCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

							Section 1345
	(103489)	103489	103499	103510	103521	103532	103543 103554 103565
Candidatus Carsonella ruddii strain BT chromosome...	(103489)	TTTTTAAAAATATTAATTTTTTAATAAATAAAAAATAAAATTTATGTTATTATTGGAAATAATGGAATAGGAAATCT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1346
	(103566)	103566	103576	103587	103598	103609	103620 103631 103642
Candidatus Carsonella ruddii strain BT chromosome...	(103566)	ACTTTGTTAAAAATCTTTTATAAAAGATGAAAATTATTTTTTTAGTGGAAAAATTATTTTTAATAAAATTAATATTTT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1347
	(103643)	103643	103653	103664	103675	103686	103697 103708 103719
Candidatus Carsonella ruddii strain BT chromosome...	(103643)	AAATTATAAAACAGATTATATTTCTAGATTTGGTATTTTTTATTCTTTTCAAATTTCTATAGAAATTTATAATATTA					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1348
	(103720)	103720	103730	103741	103752	103763	103774 103785 103796
Candidatus Carsonella ruddii strain BT chromosome...	(103720)	AAAATATTTTTTTTTTAAAACTTGTTATAATATTTAATTTAAATAATATTTTTTTTTTTAAATTATTAAAAATTT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1349
	(103797)	103797	103807	103818	103829	103840	103851 103862 103873
Candidatus Carsonella ruddii strain BT chromosome...	(103797)	TATCAAGAAAAAATAAATTTTAAAAAAAACTTTTTTTAGAAGTTATAATTATGGTTTTCTGGTGGTGAAAAAAA					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1350
	(103874)	103874	103884	103895	103906	103917	103928 103939 103950
Candidatus Carsonella ruddii strain BT chromosome...	(103874)	AAAAAATGATTTTTTGTGTTTTAATAATAATTAATCCATGTTTTATTTTATTAGATGAAATAGATTGAGGATTAGATT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					

SARS-CoV-2 & Bakterien.apr

		Section 1351						
	(103951)	103951	103961	103972	103983	103994	104005	104016 104027
Candidatus Carsonella ruddii strain BT chromosome...	(103951)	ATCAATCTTTTTTATTTATTGTTAATTACTTAAATTTAATAAAAAAAAAATAAATTTATAATTTTAATTACTCATAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1352						
	(104028)	104028	104038	104049	104060	104071	104082	104093 104104
Candidatus Carsonella ruddii strain BT chromosome...	(104028)	AAAAATATTGGACAATTTTAAATTGTTGATTTTTTATATTAATTAATAATAATATTAATATATTATCATGTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1353						
	(104105)	104105	104115	104126	104137	104148	104159	104170 104181
Candidatus Carsonella ruddii strain BT chromosome...	(104105)	AAAAAATATTTATTAAAAAACCTTTTTTTATATTTTAAAAAATTTTATCATAAAAAATAAGTACTTAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1354						
	(104182)	104182	104192	104203	104214	104225	104236	104247 104258
Candidatus Carsonella ruddii strain BT chromosome...	(104182)	TTTTTTTTTATAAAATTTTAAAAAGAATTTTTTTTAAAAAATTAATAATTTAAATTGTATAATTATTAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1355						
	(104259)	104259	104269	104280	104291	104302	104313	104324 104335
Candidatus Carsonella ruddii strain BT chromosome...	(104259)	ATTTTACAAATAAAATTTTAAATTATTTTTTTTAAAAAGAAATAAAAAATAATTTAAAAAATAATATTTTAAATATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1356						
	(104336)	104336	104346	104357	104368	104379	104390	104401 104412
Candidatus Carsonella ruddii strain BT chromosome...	(104336)	TTATTTTTTAATATTTAATATTAATTATTTATTACTGTTAGTTAAAAATCTTTTTTATATATAAAAAATTTTAAACAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1357						
	(104413)	104413	104423	104434	104445	104456	104467	104478 104489
Candidatus Carsonella ruddii strain BT chromosome...	(104413)	TATTAAAATTGAATTTTTTTTTTATTTTTTCAAAAATTTTATTTTATTAACAATAATAAAAAATATTTTTTTTTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1358						
	(104490)	104490	104500	104511	104522	104533	104544	104555 104566
Candidatus Carsonella ruddii strain BT chromosome...	(104490)	TAAATATAATCATGTATTTAAAAAATTTTTTTAAAAAATAATAAATTTTAAACAATATTTTTTTTATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1359						
	(104567)	104567	104577	104588	104599	104610	104621	104632 104643
Candidatus Carsonella ruddii strain BT chromosome...	(104567)	CTAGAAAATAATTTTTATATATATATATATTTAAAAATTTAAACATTTATTTATTTTTTAAATAAAAAATTCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1360						
	(104644)	104644	104654	104665	104676	104687	104698	104709 104720
Candidatus Carsonella ruddii strain BT chromosome...	(104644)	AATTTATGAAAAAAAAAATTTTTATATTGAATTTTTTTAATAAAAGGATATTTTATTTTTCTTTAATATATAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1361						
	(104721)	104721	104731	104742	104753	104764	104775	104786 104797
Candidatus Carsonella ruddii strain BT chromosome...	(104721)	AAATATATATTAAAAAATTTAAAAATATATTTATTTATCAAAATGCAGAATTTATATTTAACAAATATAGTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1362						
	(104798)	104798	104808	104819	104830	104841	104852	104863 104874
Candidatus Carsonella ruddii strain BT chromosome...	(104798)	TCTATAATTAACTTAAATATTAATTTATATACTAAAAAATTTTTGCAAACATAAAATTTCTTTTTATTGTTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1363						
	(104875)	104875	104885	104896	104907	104918	104929	104940 104951
Candidatus Carsonella ruddii strain BT chromosome...	(104875)	TAAAAAATTTTTTTTATTAAAAATAAATTAATAAATAAAATATAATGTTTTTTTTTAAATAAAATATAAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1364						
	(104952)	104952	104962	104973	104984	104995	105006	105017 105028
Candidatus Carsonella ruddii strain BT chromosome...	(104952)	TATTTATTTTGATAATTCTTCTACAAATCAAAAACCTAATATTTTATTTAAATCTACTATTAATATTTTACAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1365						
	(105029)	105029	105039	105050	105061	105072	105083	105094 105105
Candidatus Carsonella ruddii strain BT chromosome...	(105029)	AAAATTTTAATATAAATAAAGGAAATTATAATTTATTAGATAAAAAATTAATTTTATTCAAAAAATTAAATTTATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1366						
	(105106)	105106	105116	105127	105138	105149	105160	105171 105182
Candidatus Carsonella ruddii strain BT chromosome...	(105106)	ATAAAAAAATATTACAATGTAATTTTATAGAAGAAATTATTTTTTTTTTAAATCTACTTTTTCTATTAATTTTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1367						
	(105183)	105183	105193	105204	105215	105226	105237	105248 105259
Candidatus Carsonella ruddii strain BT chromosome...	(105183)	TTTTTTAAATTTAATAAATTTTATTAAATTAACAAATGAAATTTTAATTTCAAATAAAGAACATAATTCAATATTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1368						
	(105260)	105260	105270	105281	105292	105303	105314	105325 105336
Candidatus Carsonella ruddii strain BT chromosome...	(105260)	TTTCTTTATTACAATTATTTAAATTTAAAAAATTAAAAACAATAATTTTCCAATTTAAACAAAAAATTTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

							Section 1369
	(105337)	105337	105347	105358	105369	105380	105391 105402 105413
Candidatus Carsonella ruddii strain BT chromosome...	(105337)	AATATTTTTTTGTAATTATATTAATAATACTTTTTGTTGTATAATAAATCAAATTTCAAATAATTATGGAATTTTAAA					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1370
	(105414)	105414	105424	105435	105446	105457	105468 105479 105490
Candidatus Carsonella ruddii strain BT chromosome...	(105414)	TCATATTAAACATTTAATAAAAAATTTGTAATTATAACAATATAATTACAATATTAGATTGTACACAATCTATTTCTT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1371
	(105491)	105491	105501	105512	105523	105534	105545 105556 105567
Candidatus Carsonella ruddii strain BT chromosome...	(105491)	TTAATAATATAAATATAAAAAAATAAAACCAACTTTTTTATTTTTTCTTTACACAAATTATATTCTTTAACAGGT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1372
	(105568)	105568	105578	105589	105600	105611	105622 105633 105644
Candidatus Carsonella ruddii strain BT chromosome...	(105568)	ATTTCAATTTTATACTATAATATTAATTTTTTATCAAAAATTAAACCGATTTTTGTAGGTGGTGGTTCATCTTATAT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1373
	(105645)	105645	105655	105666	105677	105688	105699 105710 105721
Candidatus Carsonella ruddii strain BT chromosome...	(105645)	TAATAATTATTTAATCAAATATAAAAAATTTAATGAAAAATTTTATTTTGGAAACACAAAAATTTTTTTCTTTATTAT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1374
	(105722)	105722	105732	105743	105754	105765	105776 105787 105798
Candidatus Carsonella ruddii strain BT chromosome...	(105722)	CTAGTTATTATTCATTAAAAATGGTTTTTAAAAAATAAAAAATTTATATTTTATATTAATTATTATTTAAAAAAAAT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					

SARS-CoV-2 & Bakterien.apr

		Section 1375						
	(105799)	105799	105809	105820	105831	105842	105853	105864 105875
Candidatus Carsonella ruddii strain BT chromosome...	(105799)	ATTTTTTTTTTATTTTTTAAAAAAAAAAAAATTATTTTTCAAATACTTTATTATTAAAAAATAAAAAATATAGAAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1376						
	(105876)	105876	105886	105897	105908	105919	105930	105941 105952
Candidatus Carsonella ruddii strain BT chromosome...	(105876)	TAATAATTATTTAGATATTAATAAAATAATTTTAAGATGTGATAATTTATGTAATTTTATGAAAAATATGTTTATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1377						
	(105953)	105953	105963	105974	105985	105996	106007	106018 106029
Candidatus Carsonella ruddii strain BT chromosome...	(105953)	ACAAAAAAAAAAATTGTAGAATTTCTTTTAAATTTTTTAAATAAATTAAAAGAAATTTTAAAAATAAAATTTTTTAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1378						
	(106030)	106030	106040	106051	106062	106073	106084	106095 106106
Candidatus Carsonella ruddii strain BT chromosome...	(106030)	TTTTTTTATAATTTTAGAATTAAAAATTGCTAAATCATTATAAAATAATAATATATTTTTTTCTAAATATTTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1379						
	(106107)	106107	106117	106128	106139	106150	106161	106172 106183
Candidatus Carsonella ruddii strain BT chromosome...	(106107)	TTTTATAAAAAACAACAAATTTTTTATTTTTTAAATTTTATTAATTTTCCTATTATTTTAATACTTTGAGATTTTGTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1380						
	(106184)	106184	106194	106205	106216	106227	106238	106249 106260
Candidatus Carsonella ruddii strain BT chromosome...	(106184)	TTTAAAAAATATTTATATTATTACATAAAAAATTAAATTTTAAATTTTAAAAAATAAATTTTTATTTTTTATAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

									Section 1381
	(106261)	106261	106271	106282	106293	106304	106315	106326	106337
Candidatus Carsonella ruddii strain BT chromosome...	(106261)	ATAAATATTATTTTTTTTTTATTTTAATAATTTTAAAAAAAAATAATTTTTTTTCTAAATTTAAATAATTTTTTAGTTT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 1382
	(106338)	106338	106348	106359	106370	106381	106392	106403	106414
Candidatus Carsonella ruddii strain BT chromosome...	(106338)	TTAAATATTAAAAATCATTTTATTTTCTAATATAAAAAATAAAAAGTTTTTTTTTATTTTTAAATTTAAACAAATA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 1383
	(106415)	106415	106425	106436	106447	106458	106469	106480	106491
Candidatus Carsonella ruddii strain BT chromosome...	(106415)	CCTGTAGTACTTTTTTTTATTTTGCATAAAAAATTATTTTTAAATTTAAAAAATTAATATAAAATTTATTATAATA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 1384
	(106492)	106492	106502	106513	106524	106535	106546	106557	106568
Candidatus Carsonella ruddii strain BT chromosome...	(106492)	ACCTATAAAAGAATAAATATTATTTTTTAAATTTAAAAAAAAAATTTGATCTTTTTTTTGTATCATTTGAAGAAATAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 1385
	(106569)	106569	106579	106590	106601	106612	106623	106634	106645
Candidatus Carsonella ruddii strain BT chromosome...	(106569)	AAAATTTTTTTTATTTTTTTTAAAAATAATGACCAGTAAATATAATTTTTTTTTTATAAATTTTTTTAATTAAATAAATT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
									Section 1386
	(106646)	106646	106656	106667	106678	106689	106700	106711	106722
Candidatus Carsonella ruddii strain BT chromosome...	(106646)	TTAATTAATTTATTACAATAAAAAATCTATATTTATATTTTTTAAAAATAAAATAATTTAAATTTTTTTTATATTCTAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

								Section 1387	
	(106723)	106723	106733	106744	106755	106766	106777	106788	106799
Candidatus Carsonella ruddii strain BT chromosome...	(106723)	TTTTAAATTAATTGAAAATAATTTTTTATTTAAATTTTAAATATTTAAAATTGAATATTTTTTATCAATATAATTAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1388	
	(106800)	106800	106810	106821	106832	106843	106854	106865	106876
Candidatus Carsonella ruddii strain BT chromosome...	(106800)	TACAATTGTTAATTTTTATAAATAAATTATAATGATTAAAATTATAACAACAAAAATTTGAATCTTTTCCTCCAGAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1389	
	(106877)	106877	106887	106898	106909	106920	106931	106942	106953
Candidatus Carsonella ruddii strain BT chromosome...	(106877)	ATTAACAATATATTATACATTATAATCTATGTATAATTCTTCCTTTAGTTAAATCATAATAAGAAATTAAAATTTTA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1390	
	(106954)	106954	106964	106975	106986	106997	107008	107019	107030
Candidatus Carsonella ruddii strain BT chromosome...	(106954)	ACTCTATCTCCTATCATTATTTTTATAAAATTTTTTCTAATTTTCTGAAATATAAGAATTTATTA AAAAACCAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1391	
	(107031)	107031	107041	107052	107063	107074	107085	107096	107107
Candidatus Carsonella ruddii strain BT chromosome...	(107031)	TTCTAATTTTACTTTAAAGTAGCATTAGGCATTGTATTGATAACAACACCTTCCATTTCAAATACATTATTATTC							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1392	
	(107108)	107108	107118	107129	107140	107151	107162	107173	107184
Candidatus Carsonella ruddii strain BT chromosome...	(107108)	TTTTAAAAATAAATTATATATTAAATATGTCTCGTTCGTCTATAGGTAGGACCTTGCTCTTTCACGGCGAAAAAAG							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

							Section 1393
	(107185)	107185	107195	107206	107217	107228	107239 107250 107261
Candidatus Carsonella ruddii strain BT chromosome...	(107185)	GGTTTCGAATCCCTTACGAGATAGCGAAAGTATCTTAATGGTAAAGTATCACCTTGCCATGGTGAAAGTTGCGAGTTC					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1394
	(107262)	107262	107272	107283	107294	107305	107316 107327 107338
Candidatus Carsonella ruddii strain BT chromosome...	(107262)	AATTCTCGTCTTTTCGCTAGAGATATGTCTGAGCGGTTTAAAGAATATGCTTGGAAAGCATAGAAAGCTTTTGCTTTC					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1395
	(107339)	107339	107349	107360	107371	107382	107393 107404 107415
Candidatus Carsonella ruddii strain BT chromosome...	(107339)	ATGGGGTTCGAATCCCATTATCTCTTAAATAAAAAATATTTCTTTTAAATATCTTTAATTGAAACCAAACCATTTAA					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1396
	(107416)	107416	107426	107437	107448	107459	107470 107481 107492
Candidatus Carsonella ruddii strain BT chromosome...	(107416)	TATTATTTTATTTTAAAAATCAAAAATAATAGTAGGAATTACTCTAATTCCCTAATTCAATAGAAATATTTTGTATGAT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1397
	(107493)	107493	107503	107514	107525	107536	107547 107558 107569
Candidatus Carsonella ruddii strain BT chromosome...	(107493)	AATCAATATTTATTTAAAAAAAATAATATATTTATTTTTTTTTTCAATTTTTTTTTTAATTTTTTTTTTAATATATTACAA					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
							Section 1398
	(107570)	107570	107580	107591	107602	107613	107624 107635 107646
Candidatus Carsonella ruddii strain BT chromosome...	(107570)	GGACTACACCAATTTGCTGTAAAACTAAAAATTTTTTTTTTTATTGTTTATTTTTTTTAATATATTATTTTAAACAAT					
Candidatus Carsonella 135557 - 167442nt	(1)	-----					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					

SARS-CoV-2 & Bakterien.apr

Section 1399							
Candidatus Carsonella ruddii strain BT chromosome...	(107647)	107647	107657	107668	107679	107690	107701
Candidatus Carsonella 135557 - 167442nt	(107647)	TATCATATAAAATTTTATAAAATGATTACCAAATAATTTCTTTCAAATTGAATTAATTTAAATTTGTAATTTCTATA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
Section 1400							
Candidatus Carsonella ruddii strain BT chromosome...	(107724)	107724	107734	107745	107756	107767	107778
Candidatus Carsonella 135557 - 167442nt	(107724)	ATAAATAATTAATAAAAAATTGTAACAAGATAAAATATTAATAATTAACAAATTTAATTTTAATAAAATAGTAATAA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
Section 1401							
Candidatus Carsonella ruddii strain BT chromosome...	(107801)	107801	107811	107822	107833	107844	107855
Candidatus Carsonella 135557 - 167442nt	(107801)	TTTTTTTAATTAAATGAATTTTTTTTTTAAATAAAATAAAAAATATTTTATTAAAAAAAAGTTTTTTTTTAAATTTAAC					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
Section 1402							
Candidatus Carsonella ruddii strain BT chromosome...	(107878)	107878	107888	107899	107910	107921	107932
Candidatus Carsonella 135557 - 167442nt	(107878)	AAATAAAATAATATATTAGAATCAATTATACAACGTGTTAAATAAGTTTTTATTAAATTAGAAAAATTAATTTTCCA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
Section 1403							
Candidatus Carsonella ruddii strain BT chromosome...	(107955)	107955	107965	107976	107987	107998	108009
Candidatus Carsonella 135557 - 167442nt	(107955)	ATTATATTTTTTTTGAAATTTTTATTAAATTGATTGAAACCTTGAATATAACATAATAATTTAGAAATAAAAAAAACAT					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					
Section 1404							
Candidatus Carsonella ruddii strain BT chromosome...	(108032)	108032	108042	108053	108064	108075	108086
Candidatus Carsonella 135557 - 167442nt	(108032)	TTTTTATCATTTCTAAAAATATTGATATTTTAATTTTAATTTTATATTATTATTATATTTTAATATATTTCTTAA					
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----					

SARS-CoV-2 & Bakterien.apr

		Section 1405						
	(108109)	108109	108119	108130	108141	108152	108163	108174 108185
Candidatus Carsonella ruddii strain BT chromosome...	(108109)	AAAATATTTTTAGATATAATTCTTATTATTAATGCTTCAAAAATTGAATTAATATTAATATTATTTTTAATTGAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1406						
	(108186)	108186	108196	108207	108218	108229	108240	108251 108262
Candidatus Carsonella ruddii strain BT chromosome...	(108186)	TAATACTGTATTACTTCCTGTACCTTTATGATCAATAATATCATTAATATATAATTTTTTTTTTTATTAAAAATATTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1407						
	(108263)	108263	108273	108284	108295	108306	108317	108328 108339
Candidatus Carsonella ruddii strain BT chromosome...	(108263)	ATAATATTTTTAATAAATAACAAGAAAAATCAGTTTTATTCCAATTTATTAATATATTAATTATTTTTTTTTTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1408						
	(108340)	108340	108350	108361	108372	108383	108394	108405 108416
Candidatus Carsonella ruddii strain BT chromosome...	(108340)	ATTATAAAAACTTTTAATATATAATATATTTCTGATATTAATTGTAATATTCCATATTCAATTCCATTATGAATCAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1409						
	(108417)	108417	108427	108438	108449	108460	108471	108482 108493
Candidatus Carsonella ruddii strain BT chromosome...	(108417)	TTTAATAAAATGAGAACTAGCAAAACCTAAGGTTATACAACAACCTAAATCTTTTTTTTTTTAAAAAAAATGTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1410						
	(108494)	108494	108504	108515	108526	108537	108548	108559 108570
Candidatus Carsonella ruddii strain BT chromosome...	(108494)	TTAATAAAAAAATAATTTTTTATAATCTTTATTAAACAATCTATCATACAACACAAACCATTAAAGCTCCTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1411						
	(108571)	108571	108581	108592	108603	108614	108625	108636 108647
Candidatus Carsonella ruddii strain BT chromosome...	(108571)	CATCCACCTGATATTCCAGAAGAAATAAAAAATAAATTTTTTGTAGTAATTTTATAAATTTAAAAATGTTTCTTTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1412						
	(108648)	108648	108658	108669	108680	108691	108702	108713 108724
Candidatus Carsonella ruddii strain BT chromosome...	(108648)	AAAAGAATTTCCAAAATCAATAACAATATCATTTTTAGATAATTTATATTTTAATCTTAAAAATTATTTTTTTAATAG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1413						
	(108725)	108725	108735	108746	108757	108768	108779	108790 108801
Candidatus Carsonella ruddii strain BT chromosome...	(108725)	GTTTTCTGTGTTTAAATTAATAAAAAATAAATTTTTTTAATGGTAAAGAAAAAGAAATTTTTTAAACAATTAGTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1414						
	(108802)	108802	108812	108823	108834	108845	108856	108867 108878
Candidatus Carsonella ruddii strain BT chromosome...	(108802)	ATTATTTGTATATTATATATTTTTAAATTTAAAAATAATTTTTTCTTTATTAAAAATTGAAATAATATTATCTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1415						
	(108879)	108879	108889	108900	108911	108922	108933	108944 108955
Candidatus Carsonella ruddii strain BT chromosome...	(108879)	AATAAGATTAATAGTAATATTTTTGGACATTGATCCATAACCTATTATTCCAATATGATTTTTCATAAATTTAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1416						
	(108956)	108956	108966	108977	108988	108999	109010	109021 109032
Candidatus Carsonella ruddii strain BT chromosome...	(108956)	AATTTTAATATTTAAAAAATTTAAAATAAATTCATTCGTAAACAAATTTGTAAAAAATTTTTTTGTTTAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1417						
	(109033)	109033	109043	109054	109065	109076	109087	109098 109109
Candidatus Carsonella ruddii strain BT chromosome...	(109033)	AACAAAATATTATTTTTGTATCAAATTATTTAATAATAAATATATTTTTTAATAATATATATATATAATAATAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1418						
	(109110)	109110	109120	109131	109142	109153	109164	109175 109186
Candidatus Carsonella ruddii strain BT chromosome...	(109110)	AAAACATAATATCTAATAATATTAATCATTATATTAAAAAAAAAATTACAACAATAAAAAAAAAATTTAGATTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1419						
	(109187)	109187	109197	109208	109219	109230	109241	109252 109263
Candidatus Carsonella ruddii strain BT chromosome...	(109187)	ATTTTCCTTTTTTAATTTTATTAATTTTAAATTTTTTAAAAAAAAATTTAAAAAGTATAAAAAATATAAAAAATTTGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1420						
	(109264)	109264	109274	109285	109296	109307	109318	109329 109340
Candidatus Carsonella ruddii strain BT chromosome...	(109264)	TTTTTTTTCCAAAAAATGTTTTTTTTTTAAAAAAAAAATAAAATTATTTATTTATTTAGTATTATTAAAAATAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1421						
	(109341)	109341	109351	109362	109373	109384	109395	109406 109417
Candidatus Carsonella ruddii strain BT chromosome...	(109341)	ACAATTTTAATATTTTTTCAAATTTTAAATTTTTTTTTTATTGAAAAATAAAAAATCTTTTTTAAATAAAAAATGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1422						
	(109418)	109418	109428	109439	109450	109461	109472	109483 109494
Candidatus Carsonella ruddii strain BT chromosome...	(109418)	TATTAAAAAATATTAATATTAATTTTTTTATTAAAAAATAATTTTTTTTAAAAATATTTGTAAAAATAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1423						
	(109495)	109495	109505	109516	109527	109538	109549	109560 109571
Candidatus Carsonella ruddii strain BT chromosome...	(109495)	ATATTAATATAGGAAATTTAATTCAATGTGTAATTTCTAACATTTTAATAATAAAGAATTTAAAAAATAAAAAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1424						
	(109572)	109572	109582	109593	109604	109615	109626	109637 109648
Candidatus Carsonella ruddii strain BT chromosome...	(109572)	ATTAATAAAACATATTATAATTTTTATTAAATTATAAAAAATTAATAATATTATTAAATTCCTGAATTTTAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1425						
	(109649)	109649	109659	109670	109681	109692	109703	109714 109725
Candidatus Carsonella ruddii strain BT chromosome...	(109649)	AAGAAAAGAAAACAATAAATATTATACAAAACCAATAGCAGGAACAACAGATACTAATTTTAATTTTTTAAAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1426						
	(109726)	109726	109736	109747	109758	109769	109780	109791 109802
Candidatus Carsonella ruddii strain BT chromosome...	(109726)	TAAAAAATAAAAAAGAATTATCAGAACATTTAATGTTATTAGATTTAAGTTTAAATGATGTTTTTAAAAATAATATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1427						
	(109803)	109803	109813	109824	109835	109846	109857	109868 109879
Candidatus Carsonella ruddii strain BT chromosome...	(109803)	AAATTATTTTTTTTTAAAAAAATGTTTTATTGTGAAAAAATAAAAGTTTAACTCATATTATATCTGAAATATTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1428						
	(109880)	109880	109890	109901	109912	109923	109934	109945 109956
Candidatus Carsonella ruddii strain BT chromosome...	(109880)	TAAAAATTATAAAAAAATAATTTATTTTTATTAGAAAAATTTTTCCCAGCTGGTACTTTATCTGGTACTCCTAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1429						
	(109957)	109957	109967	109978	109989	110000	110011	110022 110033
Candidatus Carsonella ruddii strain BT chromosome...	(109957)	ATGATTGTATAAAAAATAATCAATATAATAGAAAAACAAAATAGATTTTATATGGTGGTGTTTTAAATTTTTTTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1430						
	(110034)	110034	110044	110055	110066	110077	110088	110099 110110
Candidatus Carsonella ruddii strain BT chromosome...	(110034)	AAAAATCATATAGAATCTTGTTATTTTAATAAGAATAAAAAATTTTTTTTTTAAACAATATTTATTAGAAATCAGGTGC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1431						
	(110111)	110111	110121	110132	110143	110154	110165	110176 110187
Candidatus Carsonella ruddii strain BT chromosome...	(110111)	AGGATTAATTAATAAATCAATAAATTTTTTAGAATGGTTAGAACTATAATTAAAAACAATTTTTTTTAAATGAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1432						
	(110188)	110188	110198	110209	110220	110231	110242	110253 110264
Candidatus Carsonella ruddii strain BT chromosome...	(110188)	TTTATTTTTAGATAATTTTGATAGTTTTTCAAATAATATAATAAAAAAAAAATAATTTTAAAAAAAAATAAAATTAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1433						
	(110265)	110265	110275	110286	110297	110308	110319	110330 110341
Candidatus Carsonella ruddii strain BT chromosome...	(110265)	GTTTTACTTTAAATATAAAAAAAAAATTATATAAATTTAATAATTGAAAAATAATAATTTTAGGCCCCAGGTCCAAAC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1434						
	(110342)	110342	110352	110363	110374	110385	110396	110407 110418
Candidatus Carsonella ruddii strain BT chromosome...	(110342)	AATATAATTAATAGTAATTTAAATACTATTGTTTTAGATAAATTTATAGGTAAAAAAATTAATAGGAATATGTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1435						
	(110419)	110419	110429	110440	110451	110462	110473	110484 110495
Candidatus Carsonella ruddii strain BT chromosome...	(110419)	GGGCCATCAAATAATATCTTGTTATTTAAATTATAAAATTTTAAATTAAATAATGTTTTTCACGGTCAACTTAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1436						
	(110496)	110496	110506	110517	110528	110539	110550	110561 110572
Candidatus Carsonella ruddii strain BT chromosome...	(110496)	AAATTATTATTTTTTTAAACAAATATAAAATTTTATAATTAAAAAATAATTTTTTATAATTCTTTATCATGTATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1437						
	(110573)	110573	110583	110594	110605	110616	110627	110638 110649
Candidatus Carsonella ruddii strain BT chromosome...	(110573)	GGTTATTATAGAACAATATTATTAGTAAAAATAGATTAGAATTATATATATTAAACAATAATAATTTAAATATGAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1438						
	(110650)	110650	110660	110671	110682	110693	110704	110715 110726
Candidatus Carsonella ruddii strain BT chromosome...	(110650)	AAGTTTTCAATTTTCATTCAGAATCTATTTTATCAAATAAAAAATTTTTTTATATGATTAAAAATAAATTAAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1439						
	(110727)	110727	110737	110748	110759	110770	110781	110792 110803
Candidatus Carsonella ruddii strain BT chromosome...	(110727)	TATATCTAATAATATTTTTATTAATAATAAATATTTATTTAAATTATTTTTTGTAACAAAAACATTTTTCTAATC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1440						
	(110804)	110804	110814	110825	110836	110847	110858	110869 110880
Candidatus Carsonella ruddii strain BT chromosome...	(110804)	AAAAAAATTTTTTTTATAAAATTTTAATAAATTTAGAAATTATTAAAAAAATTTATTAATTAAAAAAATATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1441						
	(110881)	110881	110891	110902	110913	110924	110935	110946 110957
Candidatus Carsonella ruddii strain BT chromosome...	(110881)	AATAATTTAAACATTTGTGGAAGTGGTGGTGATAATAATAATTTTACCAAATATATCAACTTCAGATTGTTTAATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1442						
	(110958)	110958	110968	110979	110990	111001	111012	111023 111034
Candidatus Carsonella ruddii strain BT chromosome...	(110958)	TTATTTTTTAAAAAAAATTTAATTAAAAATTCCTGGAAATTCATTTTTATTAAAAAATGGAAGTATAGATTACTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1443						
	(111035)	111035	111045	111056	111067	111078	111089	111100 111111
Candidatus Carsonella ruddii strain BT chromosome...	(111035)	ATAAATTTAAATTTTTTAAATAATTATATTTTAAAAAAAAAAAAACAAATATTTTTTTATATATTAAAAATTTTACAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1444						
	(111112)	111112	111122	111133	111144	111155	111166	111177 111188
Candidatus Carsonella ruddii strain BT chromosome...	(111112)	TATAATTTTAATTTTAGAAAAAAATTAAATTAAATAATATTTTAAATATACTTAATTCTATATTAAATATTTTATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1445						
	(111189)	111189	111199	111210	111221	111232	111243	111254 111265
Candidatus Carsonella ruddii strain BT chromosome...	(111189)	AAATATTAAAAATATAATAGGAATTTATTCAATAAAAAATAATTTTTTTATATAAATTTTAAATATTAATAATTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1446						
	(111266)	111266	111276	111287	111298	111309	111320	111331 111342
Candidatus Carsonella ruddii strain BT chromosome...	(111266)	TAATTTTTTAATAATAAAAAGTGATGATATTATTCAAAATAAAGAAATTTTTTTTTTGAAAAAAAATATTTTTTTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1447						
Candidatus Carsonella ruddii strain BT chromosome...	(111343)	111343	111353	111364	111375	111386	111397	111408 111419
Candidatus Carsonella 135557 - 167442nt	(1)	AATAATAATCAATATAATTTACATAATTTTTTTTTTAAATAAAAAATTTTTTTTGAATAATTTAAATTTCAATTATT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1448						
Candidatus Carsonella ruddii strain BT chromosome...	(111420)	111420	111430	111441	111452	111463	111474	111485 111496
Candidatus Carsonella 135557 - 167442nt	(1)	TAATATAAAATTAAAAATAATTTTTTTATTTATAGTAAAAATAATATTATTAATAATTTTTTTATTTATTAACAAAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1449						
Candidatus Carsonella ruddii strain BT chromosome...	(111497)	111497	111507	111518	111529	111540	111551	111562 111573
Candidatus Carsonella 135557 - 167442nt	(1)	AAAAACCATTTTTTTTATTTTTATTTATTAATAAAATAATTACTTTTACATTTTTTTAAAAAAAATAATTAAAAAAAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1450						
Candidatus Carsonella ruddii strain BT chromosome...	(111574)	111574	111584	111595	111606	111617	111628	111639 111650
Candidatus Carsonella 135557 - 167442nt	(1)	AATGAATAAAATTTTATTTAACAAAAAAAATATAAATTTTTTTATAATTTTATTATAAATAATTTTAATATTAAAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1451						
Candidatus Carsonella ruddii strain BT chromosome...	(111651)	111651	111661	111672	111683	111694	111705	111716 111727
Candidatus Carsonella 135557 - 167442nt	(1)	AAAATATTTTTTAAAAAGAAATTTTAAAAAATTTAAAAAAAACAACATTTCTTTTATTTAGAAATATAAAAAACAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1452						
Candidatus Carsonella ruddii strain BT chromosome...	(111728)	111728	111738	111749	111760	111771	111782	111793 111804
Candidatus Carsonella 135557 - 167442nt	(1)	TCTCCATATAAAGGTTTATATAAAAAAATATTTTAAACAAATTAATAAATATGAAATTTTAGGTTGTATATGTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1453						
Candidatus Carsonella ruddii strain BT chromosome...	(111805)	111805	111815	111826	111837	111848	111859	111870 111881
Candidatus Carsonella 135557 - 167442nt	(111805)	ATCAATATTAAACGAATGTGTTTCATTTTAAATGTAATTATATTGATTTTTTATTATATAAAAAAAAAATACCAATCTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1454						
Candidatus Carsonella ruddii strain BT chromosome...	(111882)	111882	111892	111903	111914	111925	111936	111947 111958
Candidatus Carsonella 135557 - 167442nt	(111882)	GTATTCTTAAAAAGATTTTATTTTAAATGAATTTCAAGTAATTCATTCTTATATACTAGGTTATAATATAATTTTG						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1455						
Candidatus Carsonella ruddii strain BT chromosome...	(111959)	111959	111969	111980	111991	112002	112013	112024 112035
Candidatus Carsonella 135557 - 167442nt	(111959)	TTATTATCTAGTATTAAATTACACATATTACAAAAATATATTTTATTTGTAAAAAATTAAAAATTTTATTATTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1456						
Candidatus Carsonella ruddii strain BT chromosome...	(112036)	112036	112046	112057	112068	112079	112090	112101 112112
Candidatus Carsonella 135557 - 167442nt	(112036)	AGAAATTAATAATTTAAAGAAATAAAAAAATAAAAAATATAAAACCATTATTTTATAGGAATAAATTGTAGAAATT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1457						
Candidatus Carsonella ruddii strain BT chromosome...	(112113)	112113	112123	112134	112145	112156	112167	112178 112189
Candidatus Carsonella 135557 - 167442nt	(112113)	TAAAAAATTTAATAATAAACAAAAAAAAAATAAATTATTAATTAAAAAATACCAAAAAATTGTTTTATAATTGCA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1458						
Candidatus Carsonella ruddii strain BT chromosome...	(112190)	112190	112200	112211	112222	112233	112244	112255 112266
Candidatus Carsonella 135557 - 167442nt	(112190)	GAATCAGGTATTGTAGATTATAATGAATTATTTTTTTTTATTGATAACAATATTAGAATATTTTAAATAGGTGATTA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1459						
	(112267)	112267	112277	112288	112299	112310	112321	112332 112343
Candidatus Carsonella ruddii strain BT chromosome...	(112267)	TTTTTTAAATAAAATAAATTGTTTTAAATATTATTTTAAATTATTAAATTAATTTTCCTTGGTAGCTCAGTTGGTAGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1460						
	(112344)	112344	112354	112365	112376	112387	112398	112409 112420
Candidatus Carsonella ruddii strain BT chromosome...	(112344)	GCAAGTGACTGTTAATCATTGGTTCACAGGTTCAAGTCCTGTCTAAGGAGTAGTTATATCCTGATTCTGAACAGGAGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1461						
	(112421)	112421	112431	112442	112453	112464	112475	112486 112497
Candidatus Carsonella ruddii strain BT chromosome...	(112421)	CCTAATCATCATGAATGATTTGCTCTACCAACTAAGCTATATAACCAACAAAAATATACAAATTTTATAAAAAAATG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1462						
	(112498)	112498	112508	112519	112530	112541	112552	112563 112574
Candidatus Carsonella ruddii strain BT chromosome...	(112498)	TCAAATTTTGTAAAAAATAATTTATTTTTTTTTTTTTAAAAAAGAAAAAAGAAAAATTTTTTTCAGAATAAAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1463						
	(112575)	112575	112585	112596	112607	112618	112629	112640 112651
Candidatus Carsonella ruddii strain BT chromosome...	(112575)	TTTTTTTAAAAATAATATTTAAATTTATTGATCTAGGATAAAAAATTGTTATTAATAAAATTTATTGTTTTTATATTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1464						
	(112652)	112652	112662	112673	112684	112695	112706	112717 112728
Candidatus Carsonella ruddii strain BT chromosome...	(112652)	TTTATATTATTGTTTTTATAATAAATTTTAAATTTTTTTTTTAAACGTTTCTAATATAAAATATTTAATTTTATTATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1465						
	(112729)	112729	112739	112750	112761	112772	112783	112794 112805
Candidatus Carsonella ruddii strain BT chromosome...	(112729)	TATAGTAGAATATACTACTTTTTTAATAAAAGTAAAAATAAATTTTATTTAACAAAACAACAATTAAAAAATTATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1466						
	(112806)	112806	112816	112827	112838	112849	112860	112871 112882
Candidatus Carsonella ruddii strain BT chromosome...	(112806)	TTAATATTTTTTTTTAAATAGTTATTATTAAATGTATAAATATTAATAATTTTATTATTATTATATAAAATCTCCAAGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1467						
	(112883)	112883	112893	112904	112915	112926	112937	112948 112959
Candidatus Carsonella ruddii strain BT chromosome...	(112883)	ATAATTTTATTATTATTTTTTTATTTTATTAAAAATTTTAATTTTATATTTAAATTTTCATATTTTTCTAATATAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1468						
	(112960)	112960	112970	112981	112992	113003	113014	113025 113036
Candidatus Carsonella ruddii strain BT chromosome...	(112960)	TTTTAATTTCTTCTATAAATAAATATTTAGTAGTTATAATTTTAATTTTATCATTAAAAATAATTAAAAATTAATAGTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1469						
	(113037)	113037	113047	113058	113069	113080	113091	113102 113113
Candidatus Carsonella ruddii strain BT chromosome...	(113037)	TCTGTTACTATTAATTTATTTATTTTAGAATTATAAATTTTATAAAAAGATTTTTCAGAAAAATAGAATGAGTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1470						
	(113114)	113114	113124	113135	113146	113157	113168	113179 113190
Candidatus Carsonella ruddii strain BT chromosome...	(113114)	ATAAACAATTACAGTATTTATTTTATTAAAAAATAAAAAATTAGTAACTTCTATTATAGAATTTCCAGTATCAATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1471						
	(113191)	113191	113201	113212	113223	113234	113245	113256 113267
Candidatus Carsonella ruddii strain BT chromosome...	(113191)	TATCATCAACAACAATACATTTTTTAAATTCTACATTTCCAATAATACAAAAATTTTATATAATTTGAAATTGGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1472						
	(113268)	113268	113278	113289	113300	113311	113322	113333 113344
Candidatus Carsonella ruddii strain BT chromosome...	(113268)	CTTCTTTTATCAATTATCACTAATTCTAAATTTAAATAATTTGCTAAATTTTCGCTCTTAAACTCCACCTATATC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1473						
	(113345)	113345	113355	113366	113377	113388	113399	113410 113421
Candidatus Carsonella ruddii strain BT chromosome...	(113345)	AGGTGAAACAATAATATCAAACTAATATTATTTTAAACAATATCATTAACAAATAAAGATGTAGATTTTAAATATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1474						
	(113422)	113422	113432	113443	113454	113465	113476	113487 113498
Candidatus Carsonella ruddii strain BT chromosome...	(113422)	TTAAAGGTGTATTAAACAACATTCAAATTACTAGAAATGTGGATCTAATGTAATAATTTTGTTTACATTAAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1475						
	(113499)	113499	113509	113520	113531	113542	113553	113564 113575
Candidatus Carsonella ruddii strain BT chromosome...	(113499)	TCAAATAAATTAGAAATTAATTTAATAGAAATAGAAGATTTTCGTTAAATATTTTGTCTTGCCCTAGAATAACAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1476						
	(113576)	113576	113586	113597	113608	113619	113630	113641 113652
Candidatus Carsonella ruddii strain BT chromosome...	(113576)	ATAAGGTATTATTAAATATATTTTTTTTAAATACATATTTTTTTTAAAGAATCAATTATTAAAAATAAATTTATTAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1477						
	(113653)	113653	113663	113674	113685	113696	113707	113718 113729
Candidatus Carsonella ruddii strain BT chromosome...	(113653)	TATCATGAATAGGATTAGATAAACTTTGTAAATAAAAAATAATTTTTTCATTAAATTTTTTTAAAAATTGAATTTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1478						
	(113730)	113730	113740	113751	113762	113773	113784	113795 113806
Candidatus Carsonella ruddii strain BT chromosome...	(113730)	TATTCATTATCTTTAAATTTTTCAATTTTAATATAATTTATTTTATATTAATAATTTTAGCAAACCTTTTAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1479						
	(113807)	113807	113817	113828	113839	113850	113861	113872 113883
Candidatus Carsonella ruddii strain BT chromosome...	(113807)	ATTTAAGTTTGAATCTCCAAATATAATATTTGGTTTTGAAATTTTCATATGAAAAATAATTTAATTTTAGAAATTAG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1480						
	(113884)	113884	113894	113905	113916	113927	113938	113949 113960
Candidatus Carsonella ruddii strain BT chromosome...	(113884)	ACAAGGAATAGGAGGAGATGAATCCATCCTTTTTTTAAAAGATTTAAATAAAATGTATATTAAATTTTTTCAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1481						
	(113961)	113961	113971	113982	113993	114004	114015	114026 114037
Candidatus Carsonella ruddii strain BT chromosome...	(113961)	AAAAAATTAAATTTAATATATTTTTTAAAAAATAATAAGAAATTTATTTATTAATAATAGAAAAATAATAATTATTCTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1482						
	(114038)	114038	114048	114059	114070	114081	114092	114103 114114
Candidatus Carsonella ruddii strain BT chromosome...	(114038)	TTTTTTTTTAAATGAATCTGGAATTCATAGAGTTCAAAGAATACCAAAAAATGAAACACAAGGTAAAATACATACATC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1483						
	(114115)	114115	114125	114136	114147	114158	114169	114180 114191
Candidatus Carsonella ruddii strain BT chromosome...	(114115)	CACTTGTAGTGTTTTGTTTCTAATGAAACAGATATAAAACATATTATTTTAGAAAATCAAGATTAAAAATAGAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1484						
	(114192)	114192	114202	114213	114224	114235	114246	114257 114268
Candidatus Carsonella ruddii strain BT chromosome...	(114192)	CTTGTAATCAAGTGGATCAGGTGGACAACATGTAAATACAACAAATTCTTCTATTAAAAATTACACATTTACCTACA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1485						
	(114269)	114269	114279	114290	114301	114312	114323	114334 114345
Candidatus Carsonella ruddii strain BT chromosome...	(114269)	AATATTTTATGTTGAATGTAGTGATGAACGTTCACAATTTTTAAATAAAAAATAAGCTTTAGAAATTTTAAATATAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1486						
	(114346)	114346	114356	114367	114378	114389	114400	114411 114422
Candidatus Carsonella ruddii strain BT chromosome...	(114346)	ATTAAATAAATTAAAAAATGAAAAATTCAATAATGAATTAAATTTTATTAGAAAAAATATTATTTCTAAATCAGAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1487						
	(114423)	114423	114433	114444	114455	114466	114477	114488 114499
Candidatus Carsonella ruddii strain BT chromosome...	(114423)	GATCAAAAAAATAAGAACATATAATTTTCCAAATAATAAAATAATAGATCATGTTAAAAATAATTGTTATTTTCAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1488						
	(114500)	114500	114510	114521	114532	114543	114554	114565 114576
Candidatus Carsonella ruddii strain BT chromosome...	(114500)	TTAAATAAAATTTTAAATGGTGATTTAGATATTATGTTTAAAAATTAAAAATAAACAAATTTTTTATTTTAAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1489						
	(114577)	114577	114587	114598	114609	114620	114631	114642 114653
Candidatus Carsonella ruddii strain BT chromosome...	(114577)	ATTTTTTTAAATAAATTTAATTTTAAAAAGAAAAAAAAATTTTTTTTATTTTATATATAAAAAATAAATATATTATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1490						
	(114654)	114654	114664	114675	114686	114697	114708	114719 114730
Candidatus Carsonella ruddii strain BT chromosome...	(114654)	ATAAAAAAAAAAATTTATTTAAAAAATATTTATTTTATTAATAATGTTTATTATTAATTTTATATTTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1491						
	(114731)	114731	114741	114752	114763	114774	114785	114796 114807
Candidatus Carsonella ruddii strain BT chromosome...	(114731)	TAGGAAATTTTTTAAAAAATAACCAATTTTTTTTTTTTTTAAAAATTATTTCAAATCAAATTTATAATATAACCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1492						
	(114808)	114808	114818	114829	114840	114851	114862	114873 114884
Candidatus Carsonella ruddii strain BT chromosome...	(114808)	ATATCATAATCAATAAAATAATTATAATTTTTTGAAAAACATTTTTTCTTAATTTAGATGTATAATTAATATTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1493						
	(114885)	114885	114895	114906	114917	114928	114939	114950 114961
Candidatus Carsonella ruddii strain BT chromosome...	(114885)	ATTTCTAGTTTGTGATAATAAATTATTTTTTTTTTCTAAATTTATTATTTTCTAAAAATTTTCATATTTTATAGATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1494						
	(114962)	114962	114972	114983	114994	115005	115016	115027 115038
Candidatus Carsonella ruddii strain BT chromosome...	(114962)	TCTTAATATTTTCATATGAATTTAAATTTTAAATTTCTGTTTTTTTACTTTTTTAAATTTAAATTTATTTAAACA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1495						
Candidatus Carsonella ruddii strain BT chromosome...	(115039)	115039	115049	115060	115071	115082	115093	115104 115115
Candidatus Carsonella 135557 - 167442nt	(115039)	GAAATATTTTAAATCAATACGCATTTCTCCTAAATGCATTTTAAATTAGAAATTTTATGTTTAAATAAATTTTTTTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1496						
Candidatus Carsonella ruddii strain BT chromosome...	(115116)	115116	115126	115137	115148	115159	115170	115181 115192
Candidatus Carsonella 135557 - 167442nt	(115116)	TATTTTTTTTTAAGAAAAATATAAACAAATTAAAAATTTGAAAAATTTGGTTCAGTAACTAATTCAAATAAACCATTTTC						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1497						
Candidatus Carsonella ruddii strain BT chromosome...	(115193)	115193	115203	115214	115225	115236	115247	115258 115269
Candidatus Carsonella 135557 - 167442nt	(115193)	CACTTCTTTTATAATTTATTTTTTAAAAAATTACTTTCTTTTTTAGAAGAAGCAGCATCTTCTTCTAAATGAATTTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1498						
Candidatus Carsonella ruddii strain BT chromosome...	(115270)	115270	115280	115291	115302	115313	115324	115335 115346
Candidatus Carsonella 135557 - 167442nt	(115270)	TTAATAACAATTTTTTTTTTTTACATTTATTATTAACTAAATTAATAAATGTTGAAAATTATTTTGAGTTAATTG						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1499						
Candidatus Carsonella ruddii strain BT chromosome...	(115347)	115347	115357	115368	115379	115390	115401	115412 115423
Candidatus Carsonella 135557 - 167442nt	(115347)	ATAATTTTTTGATAAATCATAATAAAAAATAATTTTTCTTTCAATAATAGATAGTAAAAACAACGACTTATTAATA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1500						
Candidatus Carsonella ruddii strain BT chromosome...	(115424)	115424	115434	115445	115456	115467	115478	115489 115500
Candidatus Carsonella 135557 - 167442nt	(115424)	TTTTATTTATTAAAAATATTAAATTAATAATTTTAATGTTAAATATTGGTAATTTTCTGGATATGCAATATCATAT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1501						
	(115501)	115501	115511	115522	115533	115544	115555	115566 115577
Candidatus Carsonella ruddii strain BT chromosome...	(115501)	AAATTAAATTATTATTAGAAAAATTTTATTATTAACTTATATGTATTTACAAACCTATAAATATTTTATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1502						
	(115578)	115578	115588	115599	115610	115621	115632	115643 115654
Candidatus Carsonella ruddii strain BT chromosome...	(115578)	ATATTTTTTAATTAAAAACATAATTTTTTAAATTTAAAGATTTCGTATAAAATTGATAATTCTAATAAATCTAAATCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1503						
	(115655)	115655	115665	115676	115687	115698	115709	115720 115731
Candidatus Carsonella ruddii strain BT chromosome...	(115655)	TTATTTTTTATTACAAATTATTTGAAATCCTATAGGTGAATGATTAATAAATCCTATTCTTAAATTAATAGTAGGAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1504						
	(115732)	115732	115742	115753	115764	115775	115786	115797 115808
Candidatus Carsonella ruddii strain BT chromosome...	(115732)	ACCTAAAATATTAGATATCATTGTAAATAAATCAACATATTCTGAATAAATATTATTTTTTTTTTCAAAAATATCTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1505						
	(115809)	115809	115819	115830	115841	115852	115863	115874 115885
Candidatus Carsonella ruddii strain BT chromosome...	(115809)	AATTCGTTGGTAATAATATAAAATTTGATTTTCAAAACAATTTTGAAAAATTTTTCAATTTTTTAATTTCTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1506						
	(115886)	115886	115896	115907	115918	115929	115940	115951 115962
Candidatus Carsonella ruddii strain BT chromosome...	(115886)	ATATTAAATTTTTTTTAAATATAAAAAAATTATTACCTTTAATAATTTTATTTTACAATCTTTAGAAAATATTCT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1507						
	(115963)	115963	115973	115984	115995	116006	116017	116028 116039
Candidatus Carsonella ruddii strain BT chromosome...	(115963)	ATTTAATTTTATAAAATCATTATATTTTTATAAAAAAATTATTAATCCGTACTTTATACCATCAAATTTACATG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1508						
	(116040)	116040	116050	116061	116072	116083	116094	116105 116116
Candidatus Carsonella ruddii strain BT chromosome...	(116040)	TATTTGAAAAAATCTTTAGATGAAATTGAATTATATAAATTTAAAAAAGAACAAAAATTTATATTTTCATTAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1509						
	(116117)	116117	116127	116138	116149	116160	116171	116182 116193
Candidatus Carsonella ruddii strain BT chromosome...	(116117)	ATATTAAATTTAATTCTTCAAATTTTAAATAATTTTTTCAAATATTATTTTAATTCATTTGAAGAAAAAATTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1510						
	(116194)	116194	116204	116215	116226	116237	116248	116259 116270
Candidatus Carsonella ruddii strain BT chromosome...	(116194)	TTTGTAATTTAAATTAATAATTTTTTTTTTTTTTTTAAATTAATAAATGTTTTTTAATATTAGAAAATAAATCTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1511						
	(116271)	116271	116281	116292	116303	116314	116325	116336 116347
Candidatus Carsonella ruddii strain BT chromosome...	(116271)	AATTTTTATATCTTAAATATTAAATAAAAAATTACAATCTTCTGCATAATTTGTTATAATAGAACAAATTATCTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1512						
	(116348)	116348	116358	116369	116380	116391	116402	116413 116424
Candidatus Carsonella ruddii strain BT chromosome...	(116348)	AATGATGAATAAGGAATCATACCGTTTCTTGTAATAAATACCGTTTGTAGGTTTAAATCCTATTATATTAGAAAATGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

			Section 1513						
	(116425)	116425	116435	116446	116457	116468	116479	116490	116501
Candidatus Carsonella ruddii strain BT chromosome...	(116425)	TGAAGGAGTTCTACTCGAACCACCTGTATCACTTCCTAATGATAATAAATTACAACCATAAGAAATATTTAAACAAG							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
			Section 1514						
	(116502)	116502	116512	116523	116534	116545	116556	116567	116578
Candidatus Carsonella ruddii strain BT chromosome...	(116502)	AACCAGTTGATGATCCACCAATTATATTTTTTTTATTAAATAAATTTTTAAATTTAAGTTATTTATTCCATCACTA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
			Section 1515						
	(116579)	116579	116589	116600	116611	116622	116633	116644	116655
Candidatus Carsonella ruddii strain BT chromosome...	(116579)	CCTAAACAAAATTCATCTAATAAATCTATTGATAAAATATTAAATTTATTTATTTTTAAATTTTTTACAATATCTGA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
			Section 1516						
	(116656)	116656	116666	116677	116688	116699	116710	116721	116732
Candidatus Carsonella ruddii strain BT chromosome...	(116656)	ATTATATTTTGAATTATGTTTTTTTAAATATTTGAATTTGATGTTAATTTTTTGTTTTTAATTGAAAAAATATTTT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
			Section 1517						
	(116733)	116733	116743	116754	116765	116776	116787	116798	116809
Candidatus Carsonella ruddii strain BT chromosome...	(116733)	TTAATGATATAGGTATAGCAAATGTTTTTTTATTATCTAATTGTTTAGCAAAATTTAATGATTCTTTATAAAAAAAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
			Section 1518						
	(116810)	116810	116820	116831	116842	116853	116864	116875	116886
Candidatus Carsonella ruddii strain BT chromosome...	(116810)	TCAATAATAAAATTATTTTTTTTATTAAATTTTATTAAATTATTTAAACAACATTTAGTTAATTCATAATTAGATAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 1519						
	(116887)	116887	116897	116908	116919	116930	116941	116952 116963
Candidatus Carsonella ruddii strain BT chromosome...	(116887)	TATTTTATTTTTTAACAGTAAAAATATTTTTTTAATAACCAATTTTACACAAAAAATTCATTTTTTTTATATTTTTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1520						
	(116964)	116964	116974	116985	116996	117007	117018	117029 117040
Candidatus Carsonella ruddii strain BT chromosome...	(116964)	TTATATTTTTTATATATTTTTTATTTTATAAAAAATTTTAAATAAATTTTTTTATTATAATTATTTATAAAAAATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1521						
	(117041)	117041	117051	117062	117073	117084	117095	117106 117117
Candidatus Carsonella ruddii strain BT chromosome...	(117041)	CTTTAAAGATTTTATGTTAAAATTATTAAAAATTTATGATTTTAGAACTATTGTTTAAATTTTGAATATAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1522						
	(117118)	117118	117128	117139	117150	117161	117172	117183 117194
Candidatus Carsonella ruddii strain BT chromosome...	(117118)	ATTTAATGATATTCATATCTATTCCAAAAGGTAGAAATTTTTGTTTTTCATTATTAATATTAAAAAAATAAAAAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1523						
	(117195)	117195	117205	117216	117227	117238	117249	117260 117271
Candidatus Carsonella ruddii strain BT chromosome...	(117195)	ATTTTATTAGAAATTATATATAGAAAAATAATATTAAAAACAAATAGAAAAAATATTTTATAATTATTTTAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1524						
	(117272)	117272	117282	117293	117304	117315	117326	117337 117348
Candidatus Carsonella ruddii strain BT chromosome...	(117272)	TAAAGATTTACAAAAAATATTAAATTATGGTTTAAACAAATTTAAGTATTATTGGTTCAGATTTATTAATAAATAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1525						
	(117349)	117349	117359	117370	117381	117392	117403	117414 117425
Candidatus Carsonella ruddii strain BT chromosome...	(117349)	ATAAAAAAAAATAATAAAATTAAAAAAAAATAATAGTTATTTGTTTTAAATAATAATAATATTATTGTGACTAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1526						
	(117426)	117426	117436	117447	117458	117469	117480	117491 117502
Candidatus Carsonella ruddii strain BT chromosome...	(117426)	TTTAATTTGTGTAATTATTATAATATAAAAAAATTTAATTTAAAAATTAAATGGAGTTTTAGAATTTTTTTCTAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1527						
	(117503)	117503	117513	117524	117535	117546	117557	117568 117579
Candidatus Carsonella ruddii strain BT chromosome...	(117503)	TAAAAATTATGGATTATTGGATATAACAGAACTAATAAACTCTTTATGAAAATAAATTATTTCTAAAAAATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1528						
	(117580)	117580	117590	117601	117612	117623	117634	117645 117656
Candidatus Carsonella ruddii strain BT chromosome...	(117580)	TACAAAAAATAAATTTATTTATAATTTTAAAAAATTTAAAAAATAATAATAAATAATTAATAAAAAATGTTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1529						
	(117657)	117657	117667	117678	117689	117700	117711	117722 117733
Candidatus Carsonella ruddii strain BT chromosome...	(117657)	AATTTTAGATAATATTATTTTATAAAAAAATATTTTAAAAATTAAAGATAAAGTAAAAATAATTATTAAAGACA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1530						
	(117734)	117734	117744	117755	117766	117777	117788	117799 117810
Candidatus Carsonella ruddii strain BT chromosome...	(117734)	TTAAAAAATATACAGAAATGCATTAATTTATTATATTAAAAAATAGATGGTATTTGTTTAAATAATATTAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1531						
	(117811)	117811	117821	117832	117843	117854	117865	117876 117887
Candidatus Carsonella ruddii strain BT chromosome...	(117811)	ATAATATTAAATAATAATGTATTAAAAAACATATAAAAAATTAATATTTATAAAAAAAATATTAAAGAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1532						
	(117888)	117888	117898	117909	117920	117931	117942	117953 117964
Candidatus Carsonella ruddii strain BT chromosome...	(117888)	ATATATAAGGCTTAAAGGTATCATTTTCATAATTTTATTAATTCATGGCAAATAAATAACAAAAAGATATTATAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1533						
	(117965)	117965	117975	117986	117997	118008	118019	118030 118041
Candidatus Carsonella ruddii strain BT chromosome...	(117965)	ATGGTCAAAAATAAATTGTATTGAAAAATTTGTATTTATGTTCTGGTGGAATACAATTTATCCATCTTCAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1534						
	(118042)	118042	118052	118063	118074	118085	118096	118107 118118
Candidatus Carsonella ruddii strain BT chromosome...	(118042)	TTTATGAATTGTTCTCCATCTTTAATATATAAACCAAAAAATAATTTTATGATCTCTCCAATAAAAAATGGTTTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1535						
	(118119)	118119	118129	118140	118151	118162	118173	118184 118195
Candidatus Carsonella ruddii strain BT chromosome...	(118119)	TTCAAATTTAATTTTATCTATTTTCATATTTAAATAATATAAAAAATAATTTTTTCAGGTGGTGTTTCATACTTTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1536						
	(118196)	118196	118206	118217	118228	118239	118250	118261 118272
Candidatus Carsonella ruddii strain BT chromosome...	(118196)	CTTGTGTTGTATTTCGGAACAAAAATATAATAAAAGTTGATAAAATAACTGGTCCTGGAAATTATTTTGTTACAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1537						
	(118273)	118273	118283	118294	118305	118316	118327	118338 118349
Candidatus Carsonella ruddii strain BT chromosome...	(118273)	GCTAAAAAAATATTTTTTGGTAATATTGGTATAGATATGCTTGCTGGACCATCAGAATTAATAATAGTTTGTGACTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1538						
	(118350)	118350	118360	118371	118382	118393	118404	118415 118426
Candidatus Carsonella ruddii strain BT chromosome...	(118350)	TAATATTCATCCATATATAATATCTTTAGATTTTTTTCTCAATTAGAACATGATATTTATGCATCTTGATTGTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1539						
	(118427)	118427	118437	118448	118459	118470	118481	118492 118503
Candidatus Carsonella ruddii strain BT chromosome...	(118427)	TATCTAATAATAAAAAATATTTAAATTTATTATATAAAACTATATATAAATTATTAAAAATTCAAAAAATAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1540						
	(118504)	118504	118514	118525	118536	118547	118558	118569 118580
Candidatus Carsonella ruddii strain BT chromosome...	(118504)	ATAATTTTTAAATCTTTAAAAAATAGTTTTTTATTATTTAAAAAAATAATAAATATAATTGAAATAATAAATTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1541						
	(118581)	118581	118591	118602	118613	118624	118635	118646 118657
Candidatus Carsonella ruddii strain BT chromosome...	(118581)	TTCTCCTGAACATTTAATGTTATGTATTAAAAATTCAAATAAAATATTAAAAATATTTAAAAATTGTGGAGCAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1542						
	(118658)	118658	118668	118679	118690	118701	118712	118723 118734
Candidatus Carsonella ruddii strain BT chromosome...	(118658)	TTTTAAACTATAATACAAGCGAACTTATGGTGATTATATGATAGGACCAAGTCACGTTATTCCAACATAATAAACA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1543						
	(118735)	118735	118745	118756	118767	118778	118789	118800 118811
Candidatus Carsonella ruddii strain BT chromosome...	(118735)	TCTAAATTTTTTCTTCATTAAATATTAATGATTTTGTAAAAAATAGGAATTATTAAAAATTATTAATAACAATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1544						
	(118812)	118812	118822	118833	118844	118855	118866	118877 118888
Candidatus Carsonella ruddii strain BT chromosome...	(118812)	TTCAAAAAATATCTTCATTTATTTCAAAAAATAGAACATTTCTTTCTCATTTCATATTCTTCTATAATTAGAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1545						
	(118889)	118889	118899	118910	118921	118932	118943	118954 118965
Candidatus Carsonella ruddii strain BT chromosome...	(118889)	GATTTTAATAAATTGTAAAAATAAAATTTTAGGAAGGATAAGTTCAATAATTAGTAACTTATAATTAATTTTAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1546						
	(118966)	118966	118976	118987	118998	119009	119020	119031 119042
Candidatus Carsonella ruddii strain BT chromosome...	(118966)	TTTTTAAAAAATTTTTTTTTTTTTTTTATTTAATGTTAATTATATTTTAATTAAAAAATCATTTTTTTTCACAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1547						
	(119043)	119043	119053	119064	119075	119086	119097	119108 119119
Candidatus Carsonella ruddii strain BT chromosome...	(119043)	TCTGGTTATATAGGTAATGAAAAATTAAAAAATAATTTACAAATTTAAAAAATGTATTTTGAATGTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1548						
	(119120)	119120	119130	119141	119152	119163	119174	119185 119196
Candidatus Carsonella ruddii strain BT chromosome...	(119120)	ACCTAAAAACAAAAAAGAATATTTCTTATGAAAAAATATTTTATTTTGAAAACAAAATTATATGAAATATATATC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1549						
	(119197)	119197	119207	119218	119229	119240	119251	119262 119273
Candidatus Carsonella ruddii strain BT chromosome...	(119197)	ATTTTCTAAAAAAAAAACTTCTAGAAAGTAAAGTAATTATGAAATTTGGAATTGGAATTATTTTAATAAATAATAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1550						
	(119274)	119274	119284	119295	119306	119317	119328	119339 119350
Candidatus Carsonella ruddii strain BT chromosome...	(119274)	CAATTTTAGATTATTTTGGAAAAAATTTTAATAATAATATAATTATATTTTCCTTTATTAATATCAAATTTAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1551						
	(119351)	119351	119361	119372	119383	119394	119405	119416 119427
Candidatus Carsonella ruddii strain BT chromosome...	(119351)	TTTAATTTTTTAATAAAAAGTAAAAGGAGGTGGAAAAAATTCACAAATATTTTGTATTAAAATTTCTATTTGTAAATG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1552						
	(119428)	119428	119438	119449	119460	119471	119482	119493 119504
Candidatus Carsonella ruddii strain BT chromosome...	(119428)	TATATTATTATTTAATTATAAACTAAAAAAAAAATTTAGAAAATTAAATTTTTTTCTGTAGATGATAGAATTGTGG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1553						
	(119505)	119505	119515	119526	119537	119548	119559	119570 119581
Candidatus Carsonella ruddii strain BT chromosome...	(119505)	AAAGAAAAAATATGGTAAAAAATCAAGAAAACTGAACAATATTCAAAAAGATAATTTTTTTTTTATTAATATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1554						
	(119582)	119582	119592	119603	119614	119625	119636	119647 119658
Candidatus Carsonella ruddii strain BT chromosome...	(119582)	TAATATATGTATTACATAATATAGGAAAGTTAAAAAATTTATTTTAAACAGAAAAAATTTTTTTTAATAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1555						
	(119659)	119659	119669	119680	119691	119702	119713	119724 119735
Candidatus Carsonella ruddii strain BT chromosome...	(119659)	GAAAAAAAAAAAAAAAAATACTTAAAATTGGTTAGTTTAAAAAGATAAAATTTTAACTTAATTTAACTTATGAATATGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1556						
	(119736)	119736	119746	119757	119768	119779	119790	119801 119812
Candidatus Carsonella ruddii strain BT chromosome...	(119736)	TAAATAAACATATAACTTTTTTGGCTAATAAAATTTAATAAAAAATATAAAATGTATTGATTGACGTTTGGTTTTGGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1557						
	(119813)	119813	119823	119834	119845	119856	119867	119878 119889
Candidatus Carsonella ruddii strain BT chromosome...	(119813)	GGGTATAATTTTATTTTATAATATTTACAATTTAATTTCAATAGATAAAAAATTTATCTTCTATATTAATTTCTAGAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1558						
	(119890)	119890	119900	119911	119922	119933	119944	119955 119966
Candidatus Carsonella ruddii strain BT chromosome...	(119890)	AATATTTAAGAAAAATTTTTTTTATTTTTTAATATAAAAAATAAAAAATTTTTTTTTTATATTAAAAAAATTTAATTTCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1559						
	(119967)	119967	119977	119988	119999	120010	120021	120032 120043
Candidatus Carsonella ruddii strain BT chromosome...	(119967)	AAAAAAGCAACTTATTAATTTATGATCAAGGTTTTAATAGTTGTGAAATAAAAAATTTTTTTTATTATTTTAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1560						
	(120044)	120044	120054	120065	120076	120087	120098	120109 120120
Candidatus Carsonella ruddii strain BT chromosome...	(120044)	AAAAAATATAATTTTGAAAAAATAAAATAAATAAATTTATATTTTATATTTTATAAAATTATTTTATATTTAGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1561						
	(120121)	120121	120131	120142	120153	120164	120175	120186 120197
Candidatus Carsonella ruddii strain BT chromosome...	(120121)	AAAAAAAAATTTTTATTGCATTATCAGTTTTTAATTTTACGATTATTATAAAACAATATTATTATATAAAAAAATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1562						
	(120198)	120198	120208	120219	120230	120241	120252	120263 120274
Candidatus Carsonella ruddii strain BT chromosome...	(120198)	AAATTTTTAAATTTAAATTTTTAAATTTAAATTTGTTTGAAAAAAGTTAAATAACGGAATTAATAATTCATTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1563						
	(120275)	120275	120285	120296	120307	120318	120329	120340 120351
Candidatus Carsonella ruddii strain BT chromosome...	(120275)	ATTATTTTATATGTTTAAAAAATAATTAAGTTAAATTTATTTTATTTAATAAAATCATTAATAATATTAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1564						
	(120352)	120352	120362	120373	120384	120395	120406	120417 120428
Candidatus Carsonella ruddii strain BT chromosome...	(120352)	AAAAAAAAAATTTCAATTTTAGGTCCAATTGGAAATTACAGTTATAATATTTTATGTAAAAAATAAGTAAAAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1565						
	(120429)	120429	120439	120450	120461	120472	120483	120494 120505
Candidatus Carsonella ruddii strain BT chromosome...	(120429)	AATCTATTTCTTTAATAAATATTAAATCTTGAAAAATAAAAAAATATAAATAATACCATATGAAAAATAACAACGG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1566						
	(120506)	120506	120516	120527	120538	120549	120560	120571 120582
Candidatus Carsonella ruddii strain BT chromosome...	(120506)	TGGTATTGTAAGAGATTGTTTGAATTATTATTTAAAAAAGATATTTATAAATAAAATAGTTATAAATAATATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1567						
	(120583)	120583	120593	120604	120615	120626	120637	120648 120659
Candidatus Carsonella ruddii strain BT chromosome...	(120583)	AACATAATTTTTTTTTTATATAAAAAAAAAAAAAAGTTTTTTTTTTTACATAAACAGTCATATAAACAAATAAAAAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1568						
	(120660)	120660	120670	120681	120692	120703	120714	120725 120736
Candidatus Carsonella ruddii strain BT chromosome...	(120660)	TTAATTTTATTTTTTAAAAAATTAAAAATCATATTTAATAATTCTAATTCAAATATTAGTAATGGTATAAATATATG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1569						
	(120737)	120737	120747	120758	120769	120780	120791	120802 120813
Candidatus Carsonella ruddii strain BT chromosome...	(120737)	TAATTATAACACAAAAAAATATTTCCATATAAATATAAAAAATATAAATTTAAAAGATAATTTTATAAATAAAACAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1570						
	(120814)	120814	120824	120835	120846	120857	120868	120879 120890
Candidatus Carsonella ruddii strain BT chromosome...	(120814)	AATTTATTATAAATAAAAAATTCCTTTTGTAAAAAAATATTAAGTTTTTTTGTAAATAATTATTTTTTTTTTTGAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1571						
	(120891)	120891	120901	120912	120923	120934	120945	120956 120967
Candidatus Carsonella ruddii strain BT chromosome...	(120891)	AAAAAATAACAATATATAAAAAAAAAAAAAATTATTTTATTTTGAAATATTTATTAATAGTTATAGAAAACTTTATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1572						
	(120968)	120968	120978	120989	121000	121011	121022	121033 121044
Candidatus Carsonella ruddii strain BT chromosome...	(120968)	TTCAATGAAAAATATTAAAAATAAAATTTTGTGTTACAGGTTTTTATAATATATTATGAAATCATATTTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1573						
	(121045)	121045	121055	121066	121077	121088	121099	121110 121121
Candidatus Carsonella ruddii strain BT chromosome...	(121045)	AATAAAAAATATAAATATAAAAAAAATTTTTAAATTCTGGAGATAAAATCAATTTCTCATAGATCCATTATTTATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1574						
	(121122)	121122	121132	121143	121154	121165	121176	121187 121198
Candidatus Carsonella ruddii strain BT chromosome...	(121122)	CATTAATTAAAAATTGTATAATAGAAATTAATAATTTATTAGAAATCTTTTGATATAATATCAACAATAAATTTATGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1575						
	(121199)	121199	121209	121220	121231	121242	121253	121264 121275
Candidatus Carsonella ruddii strain BT chromosome...	(121199)	AAAAATTTAGGAATTTATATTTATGGACCAATAAATTCTTACGTTTTAATTTCTTCTTTAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1576						
	(121276)	121276	121286	121297	121308	121319	121330	121341 121352
Candidatus Carsonella ruddii strain BT chromosome...	(121276)	AAATAAAATTAATTTTATAGGTAATTCAGGAACAACAATAAGAATAAGTTTATCTTTGTTAATAACTAATAATATCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1577						
	(121353)	121353	121363	121374	121385	121396	121407	121418 121429
Candidatus Carsonella ruddii strain BT chromosome...	(121353)	TTTTAGGTGATAAATCTTTAAATAAGAGAACAATGTATAGAATAATTAACCATTAACTTTATTAGGTTTTATTATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1578						
	(121430)	121430	121440	121451	121462	121473	121484	121495 121506
Candidatus Carsonella ruddii strain BT chromosome...	(121430)	CAATGTAAAAAAATTTCTTTTCTCCTATAATAATTTTAAAAAAATAATTTAGGATTAAATATAATCTTGTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1579						
	(121507)	121507	121517	121528	121539	121550	121561	121572 121583
Candidatus Carsonella ruddii strain BT chromosome...	(121507)	CGCAAGTTCTCAAATAAAATCTTGTTTAAATTTTATCATCAATTAATTCTTTTATAAATATATATATAAAAGAAAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1580						
	(121584)	121584	121594	121605	121616	121627	121638	121649 121660
Candidatus Carsonella ruddii strain BT chromosome...	(121584)	AAAAACAAGAGATCATAGTGAAAGATTTTAAATATTTTAATTAAAAAATGATTTTTTAATAAAAAATATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1581						
	(121661)	121661	121671	121682	121693	121704	121715	121726 121737
Candidatus Carsonella ruddii strain BT chromosome...	(121661)	AATGATTTTTCATCATTTTTCATTTATAATTAGTTATTATTATTTAATTAAAAAATTTTATTTTAAATTTTAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1582						
	(121738)	121738	121748	121759	121770	121781	121792	121803 121814
Candidatus Carsonella ruddii strain BT chromosome...	(121738)	TAATAAATTAAGAATAGGTTTTTTTTGAATATTTAATAAAAAATAGGATTTTTTTTTTATATTATTAAAAAATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1583						
	(121815)	121815	121825	121836	121847	121858	121869	121880 121891
Candidatus Carsonella ruddii strain BT chromosome...	(121815)	TTAATAATGAACATTATGTAAAAATTTTAATTTTAAATAAAAAATAGTATAATTTATTCAAAAAACAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1584						
	(121892)	121892	121902	121913	121924	121935	121946	121957 121968
Candidatus Carsonella ruddii strain BT chromosome...	(121892)	TCTAAATTAATCGATGAAATTCAGTTTTAATTTCTTTAATTATAAAATATAAAACAAAAATTTATGGTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1585						
	(121969)	121969	121979	121990	122001	122012	122023	122034 122045
Candidatus Carsonella ruddii strain BT chromosome...	(121969)	AGAAGAATTAAATTTAAAGAATCTAATAGATATAATAGTATGTATTATAATTTATTATTATTAGGTATAAAAAATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1586						
	(122046)	122046	122056	122067	122078	122089	122100	122111 122122
Candidatus Carsonella ruddii strain BT chromosome...	(122046)	TAAAAAAAAAAAAATTATTTAATTTTTAAAAATAATAAAATTCATCCAAATTTAATTTTTCTCAATCAGATCACAGA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1587						
	(122123)	122123	122133	122144	122155	122166	122177	122188 122199
Candidatus Carsonella ruddii strain BT chromosome...	(122123)	TTATTTTATGTCATTTTATATAATTAATTTAAAAAATTTAAAAATTTCAAATCCTGAAAACACATTATCTTCTTTTCC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1588						
	(122200)	122200	122210	122221	122232	122243	122254	122265 122276
Candidatus Carsonella ruddii strain BT chromosome...	(122200)	TAATTTTTTTAAATATTTTAATAATAAAAAACAATAAATTATATGTATTTAATTAATAATTTTATTAAAAGTAATATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1589						
	(122277)	122277	122287	122298	122309	122320	122331	122342 122353
Candidatus Carsonella ruddii strain BT chromosome...	(122277)	ATAATTTTTTTTGAAAATTTTTTAATAACAAATTTTTTAAAAACAATATTGATAGAAAAAATTTCTAAAAATTTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1590						
	(122354)	122354	122364	122375	122386	122397	122408	122419 122430
Candidatus Carsonella ruddii strain BT chromosome...	(122354)	AAAAAAAAATGTAATTTTTTTCAAGAAAAAGAAATTATTATAAATAATTATTTTTTTAGTTTTTTAACAAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1591							
Candidatus Carsonella ruddii strain BT chromosome...	(122431)	122431	122441	122452	122463	122474	122485	122496	122507
Candidatus Carsonella 135557 - 167442nt	(122431)	TAAAATTTGGTTATTTTATAAATAATAACTTTAATATATTTTTACCTAATCATTATTATAAATACTAAAAAATAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1592									
Candidatus Carsonella ruddii strain BT chromosome...	(122508)	122508	122518	122529	122540	122551	122562	122573	122584
Candidatus Carsonella 135557 - 167442nt	(122508)	TTTCCTAAAAAATTTTTTATTTTGAAATTTTATTTAAAAAATTTAATATAGAAAAAATTTTTGTTAGTAGAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1593									
Candidatus Carsonella ruddii strain BT chromosome...	(122585)	122585	122595	122606	122617	122628	122639	122650	122661
Candidatus Carsonella 135557 - 167442nt	(122585)	ATTTAATTTTAAAAAAAAAAAAAAAAAATTATATTTAAATATAATATAAATTTATTTAGGAATTATTTAAAAATGTAATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1594									
Candidatus Carsonella ruddii strain BT chromosome...	(122662)	122662	122672	122683	122694	122705	122716	122727	122738
Candidatus Carsonella 135557 - 167442nt	(122662)	ATTACGGAATTTTTATTGATATTGGACAAGCAGATGGATTACTTCATGTTTCAGATATTCCATTTTTTAAGAAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1595									
Candidatus Carsonella ruddii strain BT chromosome...	(122739)	122739	122749	122760	122771	122782	122793	122804	122815
Candidatus Carsonella 135557 - 167442nt	(122739)	TATAATAAATTGATAACAAAAAATATTATTTCTATTAAAGTAATAAAATTTGATAAAAAATTAAAAAAGTATCTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
Section 1596									
Candidatus Carsonella ruddii strain BT chromosome...	(122816)	122816	122826	122837	122848	122859	122870	122881	122892
Candidatus Carsonella 135557 - 167442nt	(122816)	AAGTTTAAAAAATTTATAAAAAAATTATGAAAAATTTTCAATTTAAATATAATAAAATGTTATGCTAAACAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

		Section 1597						
	(122893)	122893	122903	122914	122925	122936	122947	122958 122969
Candidatus Carsonella ruddii strain BT chromosome...	(122893)	TTATTAATAATGGAGTAATTTGTTACAACAATTTAAGTAAAAAAATTATTTTATTTAATAAATTTATAAAATTTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1598						
	(122970)	122970	122980	122991	123002	123013	123024	123035 123046
Candidatus Carsonella ruddii strain BT chromosome...	(122970)	AAAAAGATACTTTAATTGCTTATTTTTTAAAAAAACAGAAAAATTTATATATTTAAATTTTAATTATAAAATTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1599						
	(123047)	123047	123057	123068	123079	123090	123101	123112 123123
Candidatus Carsonella ruddii strain BT chromosome...	(123047)	AAAAACAATTTAAAATATCAAAAATTAATAATAAAATATAAATTTAATAATTTTTTTTTATTATCTTGTAAGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1600						
	(123124)	123124	123134	123145	123156	123167	123178	123189 123200
Candidatus Carsonella ruddii strain BT chromosome...	(123124)	TAAAAATTTTATATAAAAAAATAATTTTTAATATTAAAAATTAATAATTTTATAAATTTTATATTTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1601						
	(123201)	123201	123211	123222	123233	123244	123255	123266 123277
Candidatus Carsonella ruddii strain BT chromosome...	(123201)	TTAATTAATAATAATTTAATAAAATTGTTTTTATAAATAATAACTATTATTTAAAAACAACAATTATTATTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1602						
	(123278)	123278	123288	123299	123310	123321	123332	123343 123354
Candidatus Carsonella ruddii strain BT chromosome...	(123278)	ATTAAAAATAAAAAAATTTTTTTTTTAAACATGTCAAAAATTTTAATATTTAAAAAAATTTTTTGTGTTTATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1603						
	(123355)	123355	123365	123376	123387	123398	123409	123420 123431
Candidatus Carsonella ruddii strain BT chromosome...	(123355)	GAAAAATATTAATTTTTTTGTTTCATCAAAATCTGCAATCATAGCTTCTGTTGTGATTAATAATCCTCCTATTGATCCT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1604						
	(123432)	123432	123442	123453	123464	123475	123486	123497 123508
Candidatus Carsonella ruddii strain BT chromosome...	(123432)	GCTGATTGTAAAGCACTTCTTGTAACCTTAAACAGGATCTATTATTTCCCATTTTAAACATATCACCATAAAATCCTGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1605						
	(123509)	123509	123519	123530	123541	123552	123563	123574 123585
Candidatus Carsonella ruddii strain BT chromosome...	(123509)	TGCAGCGTTATAACCAAAATTTTTTGAAGAAGATTTAATATTATTTAAACTATTGATGGTTCTTCACCAGAATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1606						
	(123586)	123586	123596	123607	123618	123629	123640	123651 123662
Candidatus Carsonella ruddii strain BT chromosome...	(123586)	TTACTATTTGTTTTAATGGAGTTTCCAAAGATTTAAGAGCGATATAAATACCATAATTTTGATCGTTGTTTTCTCCT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1607						
	(123663)	123663	123673	123684	123695	123706	123717	123728 123739
Candidatus Carsonella ruddii strain BT chromosome...	(123663)	TTTAAATTTTTTAATTTTCTAAAATTCTAACTAAAGCAACTCCTCCACCAATTACTACTCCTTCTTCAACTGCTGC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1608						
	(123740)	123740	123750	123761	123772	123783	123794	123805 123816
Candidatus Carsonella ruddii strain BT chromosome...	(123740)	TCTAGTTGAATGTAAAGCATCTTCAATTCTTGCTTTTTTTCTTTCATTTCAATTTTCAGTAGCAGCACCTACTCTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1609						
	(123817)	123817	123827	123838	123849	123860	123871	123882 123893
Candidatus Carsonella ruddii strain BT chromosome...	(123817)	TTACAGCAACTCCACCAGATAATTTAGCCATTCTTTCTTGTAATTTTCTTTATCATAATCAGAAGTTGATTCTGAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1610						
	(123894)	123894	123904	123915	123926	123937	123948	123959 123970
Candidatus Carsonella ruddii strain BT chromosome...	(123894)	ATTTGTTTTTTAATATTTTTAATTCTTTCTTTAATTTTAAATTCATTACCCGATCCTCCAACATAAATAGTGTTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1611						
	(123971)	123971	123981	123992	124003	124014	124025	124036 124047
Candidatus Carsonella ruddii strain BT chromosome...	(123971)	TTTATTTGATGTAATTTTTTTAGCAAATCCTAAATCTTCAATTTTAATTTTATCTAATTGTATTCCAATTCATCTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1612						
	(124048)	124048	124058	124069	124080	124091	124102	124113 124124
Candidatus Carsonella ruddii strain BT chromosome...	(124048)	TAATAAAATTAGCACCAGTTAAAATTGAAATATCTTTTAAATATCTTTTCTTCTATCACCAAAACCAGGTGCTTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1613						
	(124125)	124125	124135	124146	124157	124168	124179	124190 124201
Candidatus Carsonella ruddii strain BT chromosome...	(124125)	ACAGCACCTAATTTTATTATTCCTCTAATATTATTATAACTAATGTAGCTAAAGCTTCACCTTCTATATCTTCAGC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1614						
	(124202)	124202	124212	124223	124234	124245	124256	124267 124278
Candidatus Carsonella ruddii strain BT chromosome...	(124202)	AATAATAAAAAGTGATTTATTTTTTTTTTGAATTAATTCTAAATATTAACATATCTCTAATATTATTTATTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1615						
	(124279)	124279	124289	124300	124311	124322	124333	124344 124355
Candidatus Carsonella ruddii strain BT chromosome...	(124279)	TATCTGTTATTAAACAAAACAATTTTCTAAGATTAAAGACATATTTTCTTGATTATTAATAAAATAAGGAGAAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1616						
	(124356)	124356	124366	124377	124388	124399	124410	124421 124432
Candidatus Carsonella ruddii strain BT chromosome...	(124356)	TAACCTCTATCAAATTGCATACCTTCTACTACTTCTAATTCATCTTCAATTCCTTTTCCTTCATCAACTGTAATTAC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1617						
	(124433)	124433	124443	124454	124465	124476	124487	124498 124509
Candidatus Carsonella ruddii strain BT chromosome...	(124433)	TCCATTTTTTCCAACCTCTATTCATAGCATCAGAAATAATTTTTCCAATTATTTTTTCTCCATTAGCAGAAATTGTTTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1618						
	(124510)	124510	124520	124531	124542	124553	124564	124575 124586
Candidatus Carsonella ruddii strain BT chromosome...	(124510)	CTACTTGTGAAATTGATAAAGTATCTAAACATGGAATAGAAATTTTTTTTAATTCTAAAACAGCATGATAAATTGCT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1619						
	(124587)	124587	124597	124608	124619	124630	124641	124652 124663
Candidatus Carsonella ruddii strain BT chromosome...	(124587)	TTATCAATGCCTCTTTTTAAATCCATCGGATTCATTCCGGATATAACAGCTTTTATACCTTCATTTACTATTGATTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1620						
	(124664)	124664	124674	124685	124696	124707	124718	124729 124740
Candidatus Carsonella ruddii strain BT chromosome...	(124664)	TGCTAAAACTGTAGCAGTTGTTGTTCCATCTCCTGCAACATCAGAAGTTTTAGATGCAACTTCTTTAACCATTGAG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1621						
Candidatus Carsonella ruddii strain BT chromosome...	(124741)	124741	124751	124762	124773	124784	124795	124806 124817
Candidatus Carsonella 135557 - 167442nt	(124741)	CTCCCATATTTTCAAATTTATCTTTTAATTCTATTTCTTTTGCAACAGAAACTCCATCTTTAGTTACTAATGGAGAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1622						
Candidatus Carsonella ruddii strain BT chromosome...	(124818)	124818	124828	124839	124850	124861	124872	124883 124894
Candidatus Carsonella 135557 - 167442nt	(124818)	CTAAAATTTTATCTAAAATAACATTTCTTCCTTTTGACCAAGAGTAGTTTAAACCGCATTTGCTAATAAATTTAC						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1623						
Candidatus Carsonella ruddii strain BT chromosome...	(124895)	124895	124905	124916	124927	124938	124949	124960 124971
Candidatus Carsonella 135557 - 167442nt	(124895)	ACCATTTGCTAAATTTTTCTAGCTTCATCACCAAATTTAATTTTTTAAACCCATTTTATTTGATAATAGAAATT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1624						
Candidatus Carsonella ruddii strain BT chromosome...	(124972)	124972	124982	124993	125004	125015	125026	125037 125048
Candidatus Carsonella 135557 - 167442nt	(124972)	ATATCATTTTCTTTAAGAAAAAATACTCTTTTTCATTTACTTTATATTTTTCTATATTATAACTATCTTTAAAAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1625						
Candidatus Carsonella ruddii strain BT chromosome...	(125049)	125049	125059	125070	125081	125092	125103	125114 125125
Candidatus Carsonella 135557 - 167442nt	(125049)	TATTATATCTCCAATATTAACAATTAATGGTTTTAAACTCCATTTTCTAATAGTTTTCCACATCCAATTTTATTA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1626						
Candidatus Carsonella ruddii strain BT chromosome...	(125126)	125126	125136	125147	125158	125169	125180	125191 125202
Candidatus Carsonella 135557 - 167442nt	(125126)	TTTTTCCTTTTAAATATTATTTTCATTTTGTAGGTATATAAATACTTCCTATTTTATTTTCTTCATCTAATTTTATT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1627						
	(125203)	125203	125213	125224	125235	125246	125257	125268 125279
Candidatus Carsonella ruddii strain BT chromosome...	(125203)	ACAACAATTTTATCATATAAAGGTATAAAATCCATTTTTTTTAAAAAAAAAATATTTTTTAAATAATTAAAAATTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1628						
	(125280)	125280	125290	125301	125312	125323	125334	125345 125356
Candidatus Carsonella ruddii strain BT chromosome...	(125280)	AAAAAATAACAGATATTTTCAATAATAACGTTATTTTTTAATTTTTATTATTTTGACATATTATGAAAAATTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1629						
	(125357)	125357	125367	125378	125389	125400	125411	125422 125433
Candidatus Carsonella ruddii strain BT chromosome...	(125357)	AAGAAATTAAAATAGGTAATTAACTCAATAGGTAGAGTATCAGTTTACATACTGAAAGTTACAAGTTCAAATCTTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1630						
	(125434)	125434	125444	125455	125466	125477	125488	125499 125510
Candidatus Carsonella ruddii strain BT chromosome...	(125434)	TATTACCTATTTTTGGATTGATAGTTTAGTTGGTTAAATGTTGGCCTGTCACGCTGAATATCACGGGTTCAAATCC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1631						
	(125511)	125511	125521	125532	125543	125554	125565	125576 125587
Candidatus Carsonella ruddii strain BT chromosome...	(125511)	CGTTCAATCCGTAATTTATTTAAAAAATAATATAATAATTATAAATTTTAGAAAAATTTAAAAAAAATAAAAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1632						
	(125588)	125588	125598	125609	125620	125631	125642	125653 125664
Candidatus Carsonella ruddii strain BT chromosome...	(125588)	TAATTAAATTAAAAATTAAATTTTTTTTTTTTAAATTTATTTTTTAAAAAAAATACTTTTTAAAAAATAATTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1633						
	(125665)	125665	125675	125686	125697	125708	125719	125730 125741
Candidatus Carsonella ruddii strain BT chromosome...	(125665)	TGTATTTTTTTTAAAAATAAAATAAGAAAAAAATTTTTTAATAAAAAATTATGTAGTTTTATTTTATTAAAAAATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1634						
	(125742)	125742	125752	125763	125774	125785	125796	125807 125818
Candidatus Carsonella ruddii strain BT chromosome...	(125742)	CGGAAATTTATATTTCATGTATAAGAAGCTTGTTATATATATAATATAATACCTGTTTTAAATTATAAAAAAATAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1635						
	(125819)	125819	125829	125840	125851	125862	125873	125884 125895
Candidatus Carsonella ruddii strain BT chromosome...	(125819)	TAATAAATTCCTTATTTTAAATAATATTTTATTTATAAAAAATATTTATTTTTTTACAAAATATATAAAAAATAAAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1636						
	(125896)	125896	125906	125917	125928	125939	125950	125961 125972
Candidatus Carsonella ruddii strain BT chromosome...	(125896)	ATTATAAGTTTAAACAATTAATTCAAAACTTTATTAAAAAAATAGTTTTAAAAATTAAATTTATTATTTTTATAGG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1637						
	(125973)	125973	125983	125994	126005	126016	126027	126038 126049
Candidatus Carsonella ruddii strain BT chromosome...	(125973)	AAATGAAAAAAATCATTGTCTAAAAAATACCTTAAAAAAGTGATATTTTACTTAAATTAATACTTATAGAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1638						
	(126050)	126050	126060	126071	126082	126093	126104	126115 126126
Candidatus Carsonella ruddii strain BT chromosome...	(126050)	AAAGTTTAAATGTTAATGTTGTTAATGGAATTATATTAAATTTTTTAAATGAATAAATATAATATATATATAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1639						
	(126127)	126127	126137	126148	126159	126170	126181	126192 126203
Candidatus Carsonella ruddii strain BT chromosome...	(126127)	TTGAAAAAAAAAAAAATAGATTCATATTCAAATTTCTTAAAAAGTTTTCTTCTTTTTTTTTTAAGATCAAAAAGTAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1640						
	(126204)	126204	126214	126225	126236	126247	126258	126269 126280
Candidatus Carsonella ruddii strain BT chromosome...	(126204)	ATTTTAAAAATTTTAGATTTTGGTAATTATTTTGTAAATAAAAAATAAAAAAGAATTTTTTTTTTAGAAATAAATTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1641						
	(126281)	126281	126291	126302	126313	126324	126335	126346 126357
Candidatus Carsonella ruddii strain BT chromosome...	(126281)	TAAAAAAAAAAGTATTAAACAAAATACCTAAACTTTTAAAAACAAAAAAGAATTAATAATTTTTTTTTTAATTTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1642						
	(126358)	126358	126368	126379	126390	126401	126412	126423 126434
Candidatus Carsonella ruddii strain BT chromosome...	(126358)	AAAATAATATAAACAAATATTTATTAAATATATTTTTTTTAAAAAATATATTTCAAAAAATTTTAGATTAAATCT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1643						
	(126435)	126435	126445	126456	126467	126478	126489	126500 126511
Candidatus Carsonella ruddii strain BT chromosome...	(126435)	TCTATTTTAACTAAAATAAAATATAGTAAACATAATTATTATTCAAAAATAATAAAAAATTTAAAAATAATAAATAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1644						
	(126512)	126512	126522	126533	126544	126555	126566	126577 126588
Candidatus Carsonella ruddii strain BT chromosome...	(126512)	TATACCAATTAATTATATTTTTTACATAAAAAAATAAATTTTTATTATGATAAATAATATTTCTACATTAAGTTCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

Section 1645								
Candidatus Carsonella ruddii strain BT chromosome...	(126589)	126589	126599	126610	126621	126632	126643	126654 126665
Candidatus Carsonella 135557 - 167442nt	(126589)	GAATTTATTATAATAAACTTTATATTTAGTAATTTAAAAATTATCAAAAAATGTATTTGATATTTTAAAAGAAAATGA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1646								
Candidatus Carsonella ruddii strain BT chromosome...	(126666)	126666	126676	126687	126698	126709	126720	126731 126742
Candidatus Carsonella 135557 - 167442nt	(126666)	TTTTTTTTTATGAAACAACATAAAGAATATTTTTTAAAAAAAAAATTTATTTTATAAAATAAAATTTATTGATGAAAAAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1647								
Candidatus Carsonella ruddii strain BT chromosome...	(126743)	126743	126753	126764	126775	126786	126797	126808 126819
Candidatus Carsonella 135557 - 167442nt	(126743)	TTATTTTTTCTAATTTAAAAAATTTATTAGAAAAATCTAAAAAAGAAAAATGTTAAAAATTTTATTTAATATTTCT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1648								
Candidatus Carsonella ruddii strain BT chromosome...	(126820)	126820	126830	126841	126852	126863	126874	126885 126896
Candidatus Carsonella 135557 - 167442nt	(126820)	TTTGAATTGATTTTTTAATGAACATATAGATGAAAAAATTTTGAAAAAATTAATTTTTTACAAAATTTTAAAAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1649								
Candidatus Carsonella ruddii strain BT chromosome...	(126897)	126897	126907	126918	126929	126940	126951	126962 126973
Candidatus Carsonella 135557 - 167442nt	(126897)	TAATCTTTTTGTTAAAAAATAAATTATGTAAATTTATTTAAAGAAATATTTTTTCAAAAAAAGAAATTAATTTTATTTA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1650								
Candidatus Carsonella ruddii strain BT chromosome...	(126974)	126974	126984	126995	127006	127017	127028	127039 127050
Candidatus Carsonella 135557 - 167442nt	(126974)	CTGGTTATAAAATTTTGATATTTTATTAAATGGATTACAAAAAGGAAATTTAATTGTATTGGCAGGAAGACCTTCT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1651						
	(127051)	127051	127061	127072	127083	127094	127105	127116 127127
Candidatus Carsonella ruddii strain BT chromosome...	(127051)	ATAGGTAAAACCTCATTTTCTTTAAATATAATAAAAAATTTAATTTTATTAAATAAAAAATAATAATTTTTCATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1652						
	(127128)	127128	127138	127149	127160	127171	127182	127193 127204
Candidatus Carsonella ruddii strain BT chromosome...	(127128)	AGAAATGACGACTATACAAATTTATATTAGATTAATGTCTATTATATTAGAAATTAATCAAAATAACTTTATTAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1653						
	(127205)	127205	127215	127226	127237	127248	127259	127270 127281
Candidatus Carsonella ruddii strain BT chromosome...	(127205)	ATAATTTTAATAAAAAATGATATGAAAAAATTTTCATTTTTTATAAAAAATATAAATTTTGATTCTTTAATAATAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1654						
	(127282)	127282	127292	127303	127314	127325	127336	127347 127358
Candidatus Carsonella ruddii strain BT chromosome...	(127282)	GATTGTTCTAATTTATCTTCAAATGATATAGAATCTCAATTAGAGTATTATAAAAAAATAATATAAATATAGAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1655						
	(127359)	127359	127369	127380	127391	127402	127413	127424 127435
Candidatus Carsonella ruddii strain BT chromosome...	(127359)	AATAGTTATAGATTATATTCAATTAATGAAATCTGAATTTTATTCAAATAATAGAGTATTGGAAATTTCTGATATAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1656						
	(127436)	127436	127446	127457	127468	127479	127490	127501 127512
Candidatus Carsonella ruddii strain BT chromosome...	(127436)	CTAGATCATTTAAATTAATAGCTAAACATTTTAATTGTGTAGTAATTGCTTTATCTCAATTAATAGATTAATAGAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

								Section 1657	
	(127513)	127513	127523	127534	127545	127556	127567	127578	127589
Candidatus Carsonella ruddii strain BT chromosome...	(127513)	TATAGAGTTGAAAAAATTCCTATGCTTTTCAGATTTAAGAGATTCAGGATCAATAGAGCAAGATGCTGATATAGTTAT							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1658	
	(127590)	127590	127600	127611	127622	127633	127644	127655	127666
Candidatus Carsonella ruddii strain BT chromosome...	(127590)	AATTTTACATAAAAAAATTTTAATTTTATAGATGTTTTAATTCTTAAAAATAGAAATGGTCCTTTAGGTGTTATTA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1659	
	(127667)	127667	127677	127688	127699	127710	127721	127732	127743
Candidatus Carsonella ruddii strain BT chromosome...	(127667)	ATTTTATTTTAAAAATGAATATACAAAATTTATACAAATTTAAAAAATTTGGACAAAATTATTTAATTTTTAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1660	
	(127744)	127744	127754	127765	127776	127787	127798	127809	127820
Candidatus Carsonella ruddii strain BT chromosome...	(127744)	TTTAAATTTTAAATTTGATTTATGTTTCAGGTTATAATTATTTTAAATATTTTAAATAATGAATTAGATTTTTTAAAAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1661	
	(127821)	127821	127831	127842	127853	127864	127875	127886	127897
Candidatus Carsonella ruddii strain BT chromosome...	(127821)	GCAAGTTTTTAAATAATAAAATTTATTTATTTAAAAAATAAAAAATTTATATTTAAATTTTTTATATTTTAAATTTTAA							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							
								Section 1662	
	(127898)	127898	127908	127919	127930	127941	127952	127963	127974
Candidatus Carsonella ruddii strain BT chromosome...	(127898)	ATTTTAAATTAATAAATATAAATTTACCTTTTAAATATTATAAAAAATTTTTTTAAAAAATAAAAAAATAAAAAAG							
Candidatus Carsonella 135557 - 167442nt	(1)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 1663						
	(127975)	127975	127985	127996	128007	128018	128029	128040 128051
Candidatus Carsonella ruddii strain BT chromosome...	(127975)	ATTTTTTTTTTAAAATAATTGTTAATTTTATAAATTTTAAATTTTAAAAAAAAAATATTAATTTTAAAAAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1664						
	(128052)	128052	128062	128073	128084	128095	128106	128117 128128
Candidatus Carsonella ruddii strain BT chromosome...	(128052)	TTTTTTTAAAAAAAAATTTTTTCCCTTATCCTAAAAATTAATATAATAAAAAATTTATTTTAAAAAAAAAAAAAAAAATAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1665						
	(128129)	128129	128139	128150	128161	128172	128183	128194 128205
Candidatus Carsonella ruddii strain BT chromosome...	(128129)	AGTATTAATTTTTTTTTTAAATATTATTAAATTAAAAACAAAATAAATCAGAAATAACAAAGTTTTTGTAAAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1666						
	(128206)	128206	128216	128227	128238	128249	128260	128271 128282
Candidatus Carsonella ruddii strain BT chromosome...	(128206)	AATTTTAATAATTAAAAAAATGTTTTTTTCTATTAGATTTAAAAAAGAAAAATTTTGATTTTTTTTTAAAAAGATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1667						
	(128283)	128283	128293	128304	128315	128326	128337	128348 128359
Candidatus Carsonella ruddii strain BT chromosome...	(128283)	AAAAAAATATTGAAAAACAAAATAAAATTTGTAAAAAAGAAAAAAAAAAAAATTTTAAATAAAATAAAAAATGAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1668						
	(128360)	128360	128370	128381	128392	128403	128414	128425 128436
Candidatus Carsonella ruddii strain BT chromosome...	(128360)	TTAAAATGTCCATTTTCACAATGATAATAATGCATCTTTTTCTATAAGAAAAAATAAATTTATTTGTTATGGATGTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

Section 1669								
Candidatus Carsonella ruddii strain BT chromosome...	(128437)	128437	128447	128458	128469	128480	128491	128502 128513
Candidatus Carsonella 135557 - 167442nt	(128437)	TTTATATGGTTTTGTTAAAAATTCATTTAAAAATTAAAAAATTTGATTGTTTTTTTAATAAAAAAATTATATTATATT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1670								
Candidatus Carsonella ruddii strain BT chromosome...	(128514)	128514	128524	128535	128546	128557	128568	128579 128590
Candidatus Carsonella 135557 - 167442nt	(128514)	CAAAAAGAAATTTATATATTAAAAAAATTTTGGTTAAAAATTTTATTATTAAAGAAATATAAATATGAATACATCA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1671								
Candidatus Carsonella ruddii strain BT chromosome...	(128591)	128591	128601	128612	128623	128634	128645	128656 128667
Candidatus Carsonella 135557 - 167442nt	(128591)	TTAAAATTTAATTTAGGTGTATTAAATTTTACTCAAAAAAAGTAAATAACATTATTTTAAATAGATTAAATTTTTC						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1672								
Candidatus Carsonella ruddii strain BT chromosome...	(128668)	128668	128678	128689	128700	128711	128722	128733 128744
Candidatus Carsonella 135557 - 167442nt	(128668)	AATACTAAATGATAAAAAATATATTGTTAGGTATAGGTTTAAAAACAAACAATAAAAAAAATAAATATATAAATTTAT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1673								
Candidatus Carsonella ruddii strain BT chromosome...	(128745)	128745	128755	128766	128777	128788	128799	128810 128821
Candidatus Carsonella 135557 - 167442nt	(128745)	TAAAAACAACATTAATGAAAATGTTTTTTTTGGTTATTAATAATATAAAAAATTTTAATTTTATAATTGTAGTAGAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
Section 1674								
Candidatus Carsonella ruddii strain BT chromosome...	(128822)	128822	128832	128843	128854	128865	128876	128887 128898
Candidatus Carsonella 135557 - 167442nt	(128822)	GGTTACTTTGATTTATTAAGTATTTATAAAAAATAATTTTTTAAATGTAATTTCTATATTAGGTTGTAATATTAATTA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1675						
	(128899)	128899	128909	128920	128931	128942	128953	128964 128975
Candidatus Carsonella ruddii strain BT chromosome...	(128899)	TGAAAAAATAAATTTTTTATTGTTTAAATTTAAAAAAATTTATTTTGTGTTAGATGGAGATTATTCTGGTTATAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1676						
	(128976)	128976	128986	128997	129008	129019	129030	129041 129052
Candidatus Carsonella ruddii strain BT chromosome...	(128976)	CTTCTGAAAAAATTAAAAAATATTTAAAAATTATTATAAAAAAAGAATTTTATTAAAAATATGCCATTTAATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1677						
	(129053)	129053	129063	129074	129085	129096	129107	129118 129129
Candidatus Carsonella ruddii strain BT chromosome...	(129053)	GATCCTGATAGTTTTATAAATTTTTATGGAATTAAATCTTTTTTAAATTTTAAATAAAATGAATATATTTTTTTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1678						
	(129130)	129130	129140	129151	129162	129173	129184	129195 129206
Candidatus Carsonella ruddii strain BT chromosome...	(129130)	TTTTTAAACAAAAATTTGTTTCCTTTTTTAAAAATTATAAAAAAATTTTATATTTTTTAAAAACAAAAATAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1679						
	(129207)	129207	129217	129228	129239	129250	129261	129272 129283
Candidatus Carsonella ruddii strain BT chromosome...	(129207)	AAAAAAATTAATATTAAAAATAATTTTTTTTTTTTTTTTAAAAAAATAAATAAAAAAATTTATTTAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1680						
	(129284)	129284	129294	129305	129316	129327	129338	129349 129360
Candidatus Carsonella ruddii strain BT chromosome...	(129284)	TAATTATTATTAAATTTAATAAATCTTTTTTTTTTAAATATTTATTTAATCAAAAATTTATTTTGAAAATTTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1681						
	(129361)	129361	129371	129382	129393	129404	129415	129426 129437
Candidatus Carsonella ruddii strain BT chromosome...	(129361)	TATTTTCGATTTTTTTTTTACAAAAAAAAAATTTTATAAAAAAAAAATTTTAATTTTATAAAAAAAAAAATTAAATAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1682						
	(129438)	129438	129448	129459	129470	129481	129492	129503 129514
Candidatus Carsonella ruddii strain BT chromosome...	(129438)	AAATTTTTTAAATCATATTGAAAATAAAATTTCTATATAAATAAAAAATTTAATATTAATTAATAAATAAAAAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1683						
	(129515)	129515	129525	129536	129547	129558	129569	129580 129591
Candidatus Carsonella ruddii strain BT chromosome...	(129515)	ATATAGAACAATTAATAAACATAAATTTAATTAAAAACAATTATTTATCTTTCATTTATAAAAAAAAAAATAAATGAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1684						
	(129592)	129592	129602	129613	129624	129635	129646	129657 129668
Candidatus Carsonella ruddii strain BT chromosome...	(129592)	AATATTTTAAAAAATAATATAAAAAATTTTAAAAAAATTTTAAAAAAATATAAAAAATAAACAAATTTACAATGATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1685						
	(129669)	129669	129679	129690	129701	129712	129723	129734 129745
Candidatus Carsonella ruddii strain BT chromosome...	(129669)	ATATCAAGAATGTTATTATGAATTTAAAAATGTAATTTTGTATAATAATTATTGTAATAATAATTTTATAAATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1686						
	(129746)	129746	129756	129767	129778	129789	129800	129811 129822
Candidatus Carsonella ruddii strain BT chromosome...	(129746)	GTTATTGGAATATTAAAAAAATGATAAGCATAATAAATTTTAAAAAAATAATTTTAAAAATCAAATTTTATCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1687						
	(129823)	129823	129833	129844	129855	129866	129877	129888 129899
Candidatus Carsonella ruddii strain BT chromosome...	(129823)	ATTGATAAACCTTTATTTTATCATTCTTTAAATATTTTATATCAGAAAATGATAGATCGTTTCTTTAGAAATATAC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1688						
	(129900)	129900	129910	129921	129932	129943	129954	129965 129976
Candidatus Carsonella ruddii strain BT chromosome...	(129900)	AAGAAATTCTTTAAAAAATTTAATAAGAGAATTAATTTCTAGTTTACCTCAAAGAGAACAAAAATAATAAGATTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1689						
	(129977)	129977	129987	129998	130009	130020	130031	130042 130053
Candidatus Carsonella ruddii strain BT chromosome...	(129977)	GATTTGGAATAGGTCACCAAAATATTATACTCTTGAAGAAATAGGAATTTTACATTATTTAACAAAAGAAAGAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1690						
	(130054)	130054	130064	130075	130086	130097	130108	130119 130130
Candidatus Carsonella ruddii strain BT chromosome...	(130054)	AGACAAATTGAGTTAGCTATCATATTAAAAATAAGAAACCTTTAATAATTGAATTATTAAAACCTTATGTAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1691						
	(130131)	130131	130141	130152	130163	130174	130185	130196 130207
Candidatus Carsonella ruddii strain BT chromosome...	(130131)	ATTTAAAGCTTTAGAATAATGGGGTTATAATTTAACTGGTAAATATTTGCTTTGCAAGCAAAAATAAAGGGTTCAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1692						
	(130208)	130208	130218	130229	130240	130251	130262	130273 130284
Candidatus Carsonella ruddii strain BT chromosome...	(130208)	TTCCCTTTAACTCCATTTTTTTAAATTATTTAAATTTATTTTAAATATTTTATATTTTGAACTGTTATTCTTAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1693						
	(130285)	130285	130295	130306	130317	130328	130339	130350 130361
Candidatus Carsonella ruddii strain BT chromosome...	(130285)	TGTTATTTTTTAAAATATCTAAAAAAAAAATTTTTTTTTTTAAAAAAATAAAAAATCTATTTTTTTTTTTAAACAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1694						
	(130362)	130362	130372	130383	130394	130405	130416	130427 130438
Candidatus Carsonella ruddii strain BT chromosome...	(130362)	ATAAAATTTCTTTTTGTTTTTTTTTAAAAATAAAATAATAATTTAAATAATTGATTTTTTGTATATTTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1695						
	(130439)	130439	130449	130460	130471	130482	130493	130504 130515
Candidatus Carsonella ruddii strain BT chromosome...	(130439)	AAATAAAAAATGTTTATCTTTTAAACATTCAATAGATATAGAATTTGATACAATATCTATTGTATAAGAATTAAAC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1696						
	(130516)	130516	130526	130537	130548	130559	130570	130581 130592
Candidatus Carsonella ruddii strain BT chromosome...	(130516)	ATTGTTTTAAATATTTAATTTTATTAATTATTTTTTTATTTGAAAAATATTAATCCTATTCTTATTCCAGCAATACTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1697						
	(130593)	130593	130603	130614	130625	130636	130647	130658 130669
Candidatus Carsonella ruddii strain BT chromosome...	(130593)	AAAGCTTTAGATAATGTATTTATAATAATTAAATTATTTTAAATTTTAAATTTTTTTTTTAAACCTAAATTATAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1698						
	(130670)	130670	130680	130691	130702	130713	130724	130735 130746
Candidatus Carsonella ruddii strain BT chromosome...	(130670)	TTCTGAATAAGCTTCATCTATAATTAAAAATTTTTTTTTTTATCTTTTTATTAAAAAAATTTTTAAAAAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1699						
	(130747)	130747	130757	130768	130779	130790	130801	130812 130823
Candidatus Carsonella ruddii strain BT chromosome...	(130747)	CACCAGAAGGTGAATTTGGGTTTGGAAAAATTATATTTTATATTTTAAAAATATTTTATATTTAACTTCTTTTGTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1700						
	(130824)	130824	130834	130845	130856	130867	130878	130889 130900
Candidatus Carsonella ruddii strain BT chromosome...	(130824)	TATATTTTAAAAAATTAGAAATATATTTTATAAAAAAGGATAACTTTGTTTAGGAATTTTATTTTAAAAATTTTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1701						
	(130901)	130901	130911	130922	130933	130944	130955	130966 130977
Candidatus Carsonella ruddii strain BT chromosome...	(130901)	CAAAAAAATAAAAAAATAACCCCTTCATCTGAACCATTAGATATAAATATATTATTTTATTTAAATTATATATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1702						
	(130978)	130978	130988	130999	131010	131021	131032	131043 131054
Candidatus Carsonella ruddii strain BT chromosome...	(130978)	TACTAATAATTTTGTAAATGTAAATTTTCAGAATTTGGGTAAAAATTTAAATTTATTAAAAATTTTAGAAATAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1703						
	(131055)	131055	131065	131076	131087	131098	131109	131120 131131
Candidatus Carsonella ruddii strain BT chromosome...	(131055)	TTTAATAAAAAAAAACAGTTTTTACTTGAAGAATAAATATTTTCATTAGTATTTAATTTATAGCCTTTATAACACCT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1704						
	(131132)	131132	131142	131153	131164	131175	131186	131197 131208
Candidatus Carsonella ruddii strain BT chromosome...	(131132)	TTCACCAGGTATATATTTTTTCATATTAATTTTATATATTTTTTAAAAATAATTAGGTACTAAATAATTAAATGAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1705						
	(131209)	131209	131219	131230	131241	131252	131263	131274 131285
Candidatus Carsonella ruddii strain BT chromosome...	(131209)	AACACTAGCAATTAAAAAACTATTAATATTACAATATTTATAAAATATAATAAATATCATTATACCTTCCTAAACCAC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1706						
	(131286)	131286	131296	131307	131318	131329	131340	131351 131362
Candidatus Carsonella ruddii strain BT chromosome...	(131286)	CAGATATAATTATAGAAATATCTATATTTTTTTTAAACATAAAATAATAGATTTAATATCATATCCTTTTTTTTAAACCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1707						
	(131363)	131363	131373	131384	131395	131406	131417	131428 131439
Candidatus Carsonella ruddii strain BT chromosome...	(131363)	TCATTTTCAATAGATGTAATTAATATTTCTCCACAACCTATTTTTTTAACTATTATAACCCAATCTAGTAATTTAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1708						
	(131440)	131440	131450	131461	131472	131483	131494	131505 131516
Candidatus Carsonella ruddii strain BT chromosome...	(131440)	ATTAGTTTTAATAAAAACCACCTGTTTTTATAAGTAAAAAAAAAATGTTTTTAAAAAATATATCAATAGAAACAATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1709						
	(131517)	131517	131527	131538	131549	131560	131571	131582 131593
Candidatus Carsonella ruddii strain BT chromosome...	(131517)	ATGCTTGAGATCCATATAAATTTGAAATCTTTTTTAAAAATACTATGTTATTATAACAAGAAGAATTTAAACAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1710						
	(131594)	131594	131604	131615	131626	131637	131648	131659 131670
Candidatus Carsonella ruddii strain BT chromosome...	(131594)	CTGTCAGCTCCTAATTTAAATAATTTAGAAATTTTATTTAAATTTTTTATACCTCCTCCAATAGAAATAGGAATATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1711						
	(131671)	131671	131681	131692	131703	131714	131725	131736 131747
Candidatus Carsonella ruddii strain BT chromosome...	(131671)	AATATTTTATAGAAATTAATTTTATATTTTATAAGATAGACTTTTATAGTATAATTAGAAGTTATATCTAAATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1712						
	(131748)	131748	131758	131769	131780	131791	131802	131813 131824
Candidatus Carsonella ruddii strain BT chromosome...	(131748)	TAATTTTCATCAGTTTTATAAAATTCATATTTTACATAATAAATAAGGATAATTAATAATTTTAAATTTTAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1713						
	(131825)	131825	131835	131846	131857	131868	131879	131890 131901
Candidatus Carsonella ruddii strain BT chromosome...	(131825)	CTTATACCTTTTACAACATAAATTATTTTAAATATCTAAACAACCTTATAATTCTAATCATAAATTTTATTTTAATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1714						
	(131902)	131902	131912	131923	131934	131945	131956	131967 131978
Candidatus Carsonella ruddii strain BT chromosome...	(131902)	CTAAATTTATATAAAGACAATCCTATTATAAATTTAAATTTGCATTTTATTAATTTTAAATATCATCTATATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1715						
	(131979)	131979	131989	132000	132011	132022	132033	132044 132055
Candidatus Carsonella ruddii strain BT chromosome...	(131979)	TGATATACCTCCTGAGATAATAAAATTACATAAATTTTATTTAATATAAAACATAATTCTTCAATTTTATTC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1716						
	(132056)	132056	132066	132077	132088	132099	132110	132121 132132
Candidatus Carsonella ruddii strain BT chromosome...	(132056)	CAGACAAAGTACCATCTTTAATTATATTAGTGTATATTATTTTAAATATTTATATCAAATAAATATATAAAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1717						
	(132133)	132133	132143	132154	132165	132176	132187	132198 132209
Candidatus Carsonella ruddii strain BT chromosome...	(132133)	TTTTCAAAGAAATTTTGTGTTGAATAATCCAACCATTAATTGTGATAAAATTATTTAAACAATCTAAACTTATTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1718						
	(132210)	132210	132220	132231	132242	132253	132264	132275 132286
Candidatus Carsonella ruddii strain BT chromosome...	(132210)	TATTTTTTTTTTATAAAAAGATAAAATTTTTTAAATTCCTTTTTATTTGTAAACAAAATACTTCCTAAACAAATT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1719						
	(132287)	132287	132297	132308	132319	132330	132341	132352 132363
Candidatus Carsonella ruddii strain BT chromosome...	(132287)	TTACAAAATTTTGTGTTTAAAATAAAAATCTATTATTTTACATGAATAAATTCCTCCTCCAATTTGAGCATTTATATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1720						
	(132364)	132364	132374	132385	132396	132407	132418	132429 132440
Candidatus Carsonella ruddii strain BT chromosome...	(132364)	TTATTAATTTTAATTTTTTTTTTGTGTTTTTAAAAATATATTTATCTAATGAAACAATATGTATATTTTAAATATTTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1721						
	(132441)	132441	132451	132462	132473	132484	132495	132506 132517
Candidatus Carsonella ruddii strain BT chromosome...	(132441)	AAAATAATAAAATTCATATATTCAAGATAATATCCATAAAAAAACATTTATTAATATCTCCTTTATATAATCTAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1722						
	(132518)	132518	132528	132539	132550	132561	132572	132583 132594
Candidatus Carsonella ruddii strain BT chromosome...	(132518)	CAACTTTATTTTTATAAATATCTATTGATGATATTATCATAAATTTAAAAAATTATTTAATAATAATAATCCAATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1723						
Candidatus Carsonella ruddii strain BT chromosome...	(132595)	132595	132605	132616	132627	132638	132649	132660 132671
Candidatus Carsonella 135557 - 167442nt	(132595)	TACTACTTTTTTCTGGATGAAATTGAAATAAAAAATTTATTTTCTTTTATAATTATAGAATTAAAAATTATATTGTTA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1724						
Candidatus Carsonella ruddii strain BT chromosome...	(132672)	132672	132682	132693	132704	132715	132726	132737 132748
Candidatus Carsonella 135557 - 167442nt	(132672)	AAAATTGAAGTTGCATAAGAAAATTTTGTATTTTAAAAATAGAAGAATAACTATGCATAAAATATTGTTTAAAAATT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1725						
Candidatus Carsonella ruddii strain BT chromosome...	(132749)	132749	132759	132770	132781	132792	132803	132814 132825
Candidatus Carsonella 135557 - 167442nt	(132749)	TAATGGTAATTTTTTAAAAATTTTATGATTTTAAATAATATTAACATTATTCCAATTAATATTAGGATTTGAAGTAT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1726						
Candidatus Carsonella ruddii strain BT chromosome...	(132826)	132826	132836	132847	132858	132869	132880	132891 132902
Candidatus Carsonella 135557 - 167442nt	(132826)	TGTAACAGCAATTTTTTGCTATTAAATCAATATTTTCATTAATAATATTTAAACAATTAATTTTTTCATTTTCTATA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1727						
Candidatus Carsonella ruddii strain BT chromosome...	(132903)	132903	132913	132924	132935	132946	132957	132968 132979
Candidatus Carsonella 135557 - 167442nt	(132903)	CTTTTTTTAAAAAAATGTGGTATCCTATACATATTCCTAAAAATATAACTATTTGATAAAATAATTTTTTAAATAATA						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1728						
Candidatus Carsonella ruddii strain BT chromosome...	(132980)	132980	132990	133001	133012	133023	133034	133045 133056
Candidatus Carsonella 135557 - 167442nt	(132980)	AATTTTTTGATAAAATTTTATACAATTAGTTATGTGTCCTTGACCTGGAAAAATAATTTTATCGTAATGTTTTTTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1729						
	(133057)	133057	133067	133078	133089	133100	133111	133122 133133
Candidatus Carsonella ruddii strain BT chromosome...	(133057)	CAAAATTATTTATAAAAACCTTTATTTTTTTTACTTTTTTTAAAGCATTATAAATTGAATTTATATTACTTGTTCCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1730						
	(133134)	133134	133144	133155	133166	133177	133188	133199 133210
Candidatus Carsonella ruddii strain BT chromosome...	(133134)	TAATTAATTAATAAAATATTCATAAAAATCCTTTGTAGATTGTAAAAATATTACAATTTTGTAGATTATTAAAGATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1731						
	(133211)	133211	133221	133232	133243	133254	133265	133276 133287
Candidatus Carsonella ruddii strain BT chromosome...	(133211)	ATACCAAATAATTTAAAAATTGATTCAATTAAATGATGTTTATTAAAAATAATTAATATAATATAAAATAAAAAACAACA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1732						
	(133288)	133288	133298	133309	133320	133331	133342	133353 133364
Candidatus Carsonella ruddii strain BT chromosome...	(133288)	TTTATAATTTTTTGAAAAAGAAGAAAAAATTCTCTTATAATTTGTAAATCTAAATCTAAATTTAAAAAATTATCGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1733						
	(133365)	133365	133375	133386	133397	133408	133419	133430 133441
Candidatus Carsonella ruddii strain BT chromosome...	(133365)	AATAAAATATTCTATTACATGCATCAATACTCATTAAAAACAAAAGAATCATCCATACAAATATAATAACTATTATAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1734						
	(133442)	133442	133452	133463	133474	133485	133496	133507 133518
Candidatus Carsonella ruddii strain BT chromosome...	(133442)	CTATTTATTTTTTGTTTTTTTAATAATAAACTTAACTTATTGAAATATCTTCTATACAATGATGATTATCAATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1735						
	(133519)	133519	133529	133540	133551	133562	133573	133584 133595
Candidatus Carsonella ruddii strain BT chromosome...	(133519)	AAGGTCTGAATAACATCTTAAATAACAATCAAATAAACTATAATTTATAAAATTGTGATATAATATGATCAAAATAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1736						
	(133596)	133596	133606	133617	133628	133639	133650	133661 133672
Candidatus Carsonella ruddii strain BT chromosome...	(133596)	AAATTGAAGTTTTAATTTTAAAAATACCAATACCAAAAAAATTTAATTTAATTTCAATATCAGATTCTAATGATTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1737						
	(133673)	133673	133683	133694	133705	133716	133727	133738 133749
Candidatus Carsonella ruddii strain BT chromosome...	(133673)	CTTCTTAATTGGTAAATTTTCATATTTTAAGGCTAAATAGCTCAGTAGGCAGAGCAAAGGACTGAAAATCCTTGTTGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1738						
	(133750)	133750	133760	133771	133782	133793	133804	133815 133826
Candidatus Carsonella ruddii strain BT chromosome...	(133750)	CGGTGGTTTCGATTCCACCTTTAGCTATGAGATATAGCCAAGTGGTAAGGCATTGGTCTTTGACTCCAAAATCCTAGG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1739						
	(133827)	133827	133837	133848	133859	133870	133881	133892 133903
Candidatus Carsonella ruddii strain BT chromosome...	(133827)	TTCAATTCCTAGTATCTCAGAGCTTTTGTAGCTTAAAAGGTAAAGCTGTTGATTTGTAATCAGCTGTTCCGGGTTCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1740						
	(133904)	133904	133914	133925	133936	133947	133958	133969 133980
Candidatus Carsonella ruddii strain BT chromosome...	(133904)	ATTCCTGGCGAAAGTATTTTATTATGGAGATGATGGGAATTGAACCCATATCCGTTTTAAAAAATATAAAAAATATAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 1741						
	(133981)	133981	133991	134002	134013	134024	134035	134046 134057
Candidatus Carsonella ruddii strain BT chromosome...	(133981)	TACATGATTTATTAGTTAGATATTTTTATTATTTAATATTATATTTTTTTAGTATGATTTACAATTTTTTTTTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1742						
	(134058)	134058	134068	134079	134090	134101	134112	134123 134134
Candidatus Carsonella ruddii strain BT chromosome...	(134058)	TCATGTCAAAAAATTCATTCTTCATAACGTCACACCTTTCATCCCCTTGATTTTTTTTTTACTAAAGAAATTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1743						
	(134135)	134135	134145	134156	134167	134178	134189	134200 134211
Candidatus Carsonella ruddii strain BT chromosome...	(134135)	ATTTTAAAAAAGATTTTATCTTAAATAAAAAAATAGGAATACATTATAATTTTTATTTTTTAAACGTTTAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1744						
	(134212)	134212	134222	134233	134244	134255	134266	134277 134288
Candidatus Carsonella ruddii strain BT chromosome...	(134212)	AAAAAAAATTTCTTTTTTATTTAATAAAAGAAATCTATTATTATTATTAAAAACAAAAACAAACGTTATTGTTATCTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1745						
	(134289)	134289	134299	134310	134321	134332	134343	134354 134365
Candidatus Carsonella ruddii strain BT chromosome...	(134289)	TTTTAATAAACTTGAATTAAATTTAATTTATTAAATTTAATAATATTTATGTCTTTTTTATTTAATTTTATACCA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1746						
	(134366)	134366	134376	134387	134398	134409	134420	134431 134442
Candidatus Carsonella ruddii strain BT chromosome...	(134366)	GAAATAAAATTTTTTACAAAATAATACTTATCTAAAAAAATTTACTTATTTTATACATATGGAAAAAGAATTTTCG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1747						
	(134443)	134443	134453	134464	134475	134486	134497	134508 134519
Candidatus Carsonella ruddii strain BT chromosome...	(134443)	TTGTTAAATTTTTTAGAAAGAGTAACAATATTAGAAGAAAAATTCTTCTTCTTTATAACAAATGCAAAAAAATTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1748						
	(134520)	134520	134530	134541	134552	134563	134574	134585 134596
Candidatus Carsonella ruddii strain BT chromosome...	(134520)	TAAACATAATTTAGAAGAATTCAATAATCTTAAAGAATCTTTAATAAATAATATATTATCAGAATTGATACCAATTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1749						
	(134597)	134597	134607	134618	134629	134640	134651	134662 134673
Candidatus Carsonella ruddii strain BT chromosome...	(134597)	CTGATACGTTAGAAATGTTTTCAAAAAATTTTACTTCAAATCAAAATAATGAAATTGAAATTTTAGTATTAATTTTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1750						
	(134674)	134674	134684	134695	134706	134717	134728	134739 134750
Candidatus Carsonella ruddii strain BT chromosome...	(134674)	AAATTAATAAAAAAATTTTTTTTAAATTTAATATAAAACAAATTTCAAAAAATTGGTATTTTATTTAATCCTGAAAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1751						
	(134751)	134751	134761	134772	134783	134794	134805	134816 134827
Candidatus Carsonella ruddii strain BT chromosome...	(134751)	ACATGAAGCAATAGGAATTTATCCTACAGAAAGTAACAAAAAAGGTATTATTAAAGTATTTACAAACAGGATATA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1752						
	(134828)	134828	134838	134849	134860	134871	134882	134893 134904
Candidatus Carsonella ruddii strain BT chromosome...	(134828)	CAAAGAATGGTATTCTTATTAGACCTGCTTTAGTTGTTATTTACAATTAAACAATAACAATTGAAAATAAGAAAAA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1753						
	(134905)	134905	134915	134926	134937	134948	134959	134970 134981
Candidatus Carsonella ruddii strain BT chromosome...	(134905)	AAAAAATATAATTATATTAAAAAATATGAGTAAAAATAATTGGAATAGATTTAGGAACAACAAATTCTTGTTAGCTG						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1754						
	(134982)	134982	134992	135003	135014	135025	135036	135047 135058
Candidatus Carsonella ruddii strain BT chromosome...	(134982)	TTTTAAACAATGGTAAACCACAAGTAATTGAAAAATTCAGAAGGAGGACGTACAACACCGTCAGTAGTAGGATATACA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1755						
	(135059)	135059	135069	135080	135091	135102	135113	135124 135135
Candidatus Carsonella ruddii strain BT chromosome...	(135059)	GATGATAATAGAATTATTGTTGGATTACCAGCAAAAAGACAAGCTATAACTAATCCTAAAAATACTTTATATGCTAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1756						
	(135136)	135136	135146	135157	135168	135179	135190	135201 135212
Candidatus Carsonella ruddii strain BT chromosome...	(135136)	TAAAAGATTAATAGGAAGAAAATATACAGATGATATAGTACAAAAAGATATTAAAATGGTACCATATAATATTATAT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1757						
	(135213)	135213	135223	135234	135245	135256	135267	135278 135289
Candidatus Carsonella ruddii strain BT chromosome...	(135213)	CATCTGAAAACGGGGATGCATGGGTTGAAGTAAAAGATAAAAAATTAGCTCCACCACAAATAAGTGCAGAAATTTTA						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1758						
	(135290)	135290	135300	135311	135322	135333	135344	135355 135366
Candidatus Carsonella ruddii strain BT chromosome...	(135290)	AAAAAATGAAATTAACAGCTGAATCATATTTAAATGAAAAAATTTATAAAGCAGTAATTACTGTACCAGCATATTT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						

		Section 1759						
	(135367)	135367	135377	135388	135399	135410	135421	135432 135443
Candidatus Carsonella ruddii strain BT chromosome...	(135367)	TAATGATTTCGCAAAGACAAGCAACAAAAGATGCTGGAAAAATAGCAGGATTAGATGTACTAAGAATAATAAATGAAC						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1760						
	(135444)	135444	135454	135465	135476	135487	135498	135509 135520
Candidatus Carsonella ruddii strain BT chromosome...	(135444)	CAACTGCTGCAGCATTAGCATATGGTTTAGATAAAAAAAAAAGAGATAGAATTATAGTAGTATATGATTTAGGAGGT						
Candidatus Carsonella 135557 - 167442nt	(1)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	-----						
		Section 1761						
	(135521)	135521	135531	135542	135553	135564	135575	135586 135597
Candidatus Carsonella ruddii strain BT chromosome...	(135521)	GGAAC TTTTGATATTTCTATTATTGAAATTGCTAAT GTTGAAGGAGAACTCAATTTGAAGTTTATCCACAAATGG						
Candidatus Carsonella 135557 - 167442nt	(1)	----- GTTGAAGGAGAACTCAATTTGAAGTTTATCCACAAATGG						
SARS-CoV-2 Reference Genome NC_045512.2	(1)	----- ATTAAAGGTTTATACG--TTCCCAGGTA----ACAAA CCA						
		Section 1762						
	(135598)	135598	135608	135619	135630	135641	135652	135663 135674
Candidatus Carsonella ruddii strain BT chromosome...	(135598)	AGATACTTTT TAGGAGGTGAAGATTTTGATATGAGAA TAA TTAATCATTTAATTTATGAATTTAAAAATGAAAATG						
Candidatus Carsonella 135557 - 167442nt	(42)	AGATACTTTT TAGGAGGTGAAGATTTTGATATGAGAA TAA TTAATCATTTAATTTATGAATTTAAAAATGAAAATG						
SARS-CoV-2 Reference Genome NC_045512.2	(35)	ACCAACTTTTCG-ATCTCT TGTAGATCT-GTCTC-----TAAACGAAAC-TTTAAATCTGTGT----GGCTGTCACTC						
		Section 1763						
	(135675)	135675	135685	135696	135707	135718	135729	135740 135751
Candidatus Carsonella ruddii strain BT chromosome...	(135675)	GAATTGATT-TAAGTGGAGATTCTCTAGCAATGCAAAGATTAAAAGAAT-CTGCTGAAAAAGCAAAAATAG-AAATTA						
Candidatus Carsonella 135557 - 167442nt	(119)	GAATTGATT-TAAGTGGAGATTCTCTAGCAATGCAAAGATTAAAAGAAT-CTGCTGAAAAAGCAAAAATAG-AAATTA						
SARS-CoV-2 Reference Genome NC_045512.2	(101)	GGCTGCAATGCTTAGTGCA--CTCAC--GCAGTATAA TTAATAA CTAATTACTGTCGTTGACAGGACACGAGTAACTC						
		Section 1764						
	(135752)	135752	135762	135773	135784	135795	135806	135817 135828
Candidatus Carsonella ruddii strain BT chromosome...	(135749)	TCAAATACAGAACAAACTGACATTAA TTTACCATATATTACAGCTGATAAAAACGGTCCTAAACATTTAAATATTAA						
Candidatus Carsonella 135557 - 167442nt	(193)	TCAAATACAGAACAAACTGACATTAA TTTACCATATATTACAGCTGATAAAAACGGTCCTAAACATTTAAATATTAA						
SARS-CoV-2 Reference Genome NC_045512.2	(174)	GTCTATCTTCTG CAGGCTGCTTACGGTTT CGTCCGTGTTGCAGCCGATCATCA-GCAGATCTAGGTTT CGTCCGGGT						

		Section 1765							
		(135829)	135829	135839	135850	135861	135872	135883	135894 135905
Candidatus Carsonella ruddii strain BT chromosome...	(135826)	AATAACTAGATCTAAATTAGAATCTTTAGTAGAAGATTTAATTATTAAATCAT---TAAACCATGTGAAATGCTT							
Candidatus Carsonella 135557 - 167442nt	(270)	AATAACTAGATCTAAATTAGAATCTTTAGTAGAAGATTTAATTATTAAATCAT---TAAACCATGTGAAATGCTT							
SARS-CoV-2 Reference Genome NC_045512.2	(250)	GTGACGAAAGGTAAAGATGAGAGCCTTGTCCCTGGTTTCAACGAGAAACAACACGTCCAACTCAGTTTGCCGTGTTT							
		Section 1766							
		(135906)	135906	135916	135927	135938	135949	135960	135971 135982
Candidatus Carsonella ruddii strain BT chromosome...	(135900)	TAAATGATGC AAAAATAGACAAAAC TAAATTTGATGAAATTATTTTAGTAGGAGGACAAACAAGAATGCCACTTGTTG							
Candidatus Carsonella 135557 - 167442nt	(344)	TAAATGATGC AAAAATAGACAAAAC TAAATTTGATGAAATTATTTTAGTAGGAGGACAAACAAGAATGCCACTTGTTG							
SARS-CoV-2 Reference Genome NC_045512.2	(327)	TACAGGTTTCGCGACGTGCTCGTACGTGGCTTTG--GAGACTCCGT--GGAGGAGGTCTTATCAGA--GGCACGTCAA							
		Section 1767							
		(135983)	135983	135993	136004	136015	136026	136037	136048 136059
Candidatus Carsonella ruddii strain BT chromosome...	(135977)	CA----AAAAATGGTAAGTGATTTT TTTGAAAAGAAGTTAAAAAGATATTAATCCAGATGAAGCAGTAGCAGTAG							
Candidatus Carsonella 135557 - 167442nt	(421)	CA----AAAAATGGTAAGTGATTTT TTTGAAAAGAAGTTAAAAAGATATTAATCCAGATGAAGCAGTAGCAGTAG							
SARS-CoV-2 Reference Genome NC_045512.2	(398)	CATCTTAAAGATGGCACTGTGGCTT----AGTAGAAGTTGAAAAAGGCGTTTGTGCCCTCAACTTG--ACAGCCAT							
		Section 1768							
		(136060)	136060	136070	136081	136092	136103	136114	136125 136136
Candidatus Carsonella ruddii strain BT chromosome...	(136050)	GCG--CATCA---GTAC--AAGCTGGAGTTTAAAGT---GGTGTAGTTAAAGATGTTTTATTATTAGATGTT-CTC							
Candidatus Carsonella 135557 - 167442nt	(494)	GCG--CATCA---GTAC--AAGCTGGAGTTTAAAGT---GGTGTAGTTAAAGATGTTTTATTATTAGATGTT-CTC							
SARS-CoV-2 Reference Genome NC_045512.2	(470)	GTGTTTATCAAAACGTTCCGATGCTCGAACCTGCACCTCATGGTCATGTTATGTTAGCTGGTAGCAGAACTCGAAGG							
		Section 1769							
		(136137)	136137	136147	136158	136169	136180	136191	136202 136213
Candidatus Carsonella ruddii strain BT chromosome...	(136116)	CATTAA---CGTTAG--GTATAGAAACAATGGGTGGAATAATGACACCTTTAATAGAAAAAACACAACATAACCTA							
Candidatus Carsonella 135557 - 167442nt	(560)	CATTAA---CGTTAG--GTATAGAAACAATGGGTGGAATAATGACACCTTTAATAGAAAAAACACAACATAACCTA							
SARS-CoV-2 Reference Genome NC_045512.2	(547)	CATTCAAGTACGGTCGTAGTGGTGAACACTTGGTGTCCTTGTCCCTCATGTGGGCAGAA--A-----TACC--A							
		Section 1770							
		(136214)	136214	136224	136235	136246	136257	136268	136279 136290
Candidatus Carsonella ruddii strain BT chromosome...	(136188)	CAAGAAAAACTCAAGTTT TTTCTACTGCAGAA--GATAATCAAAC TGCAGTTACAATTATACACTCTTCAAGGAGAAAG							
Candidatus Carsonella 135557 - 167442nt	(632)	CAAGAAAAACTCAAGTTT TTTCTACTGCAGAA--GATAATCAAAC TGCAGTTACAATTATACACTCTTCAAGGAGAAAG							
SARS-CoV-2 Reference Genome NC_045512.2	(611)	GTGGCTTACGCAAGGTTCTTCTTCTGTAAGAACGGTAATAA---GAGCTGGTGGCCATAGT-TACGGCCCGATC							

SARS-CoV-2 & Bakterien.apr

Section 1771									
	(136291)	136291	136301	136312	136323	136334	136345	136356	136367
Candidatus Carsonella ruddii strain BT chromosome...	(136264)	AAAAAAAGCTTCACAAAATAAATCATTAGGAAAAATTTGATTTAAATGATATTTCTCCAGCACCAAGAGGTTGTTCTCTC							
Candidatus Carsonella 135557 - 167442nt	(708)	AAAAAAAGCTTCACAAAATAAATCATTAGGAAAAATTTGATTTAAATGATATTTCTCCAGCACCAAGAGGTTGTTCTCTC							
SARS-CoV-2 Reference Genome NC_045512.2	(684)	TAAAGTCATTTGACTTAGGCGACGAGCTTGGCACT--GATCCTTATGAGATTTCAGAA--AACTGGAAACAATAA							
Section 1772									
	(136368)	136368	136378	136389	136400	136411	136422	136433	136444
Candidatus Carsonella ruddii strain BT chromosome...	(136341)	AAATAGAGTTTCTTTTGATTTAGACGCTAATGGTATTTTAAACGTTACAGCTAAAGATAAAAAACAGGAAAAGAA							
Candidatus Carsonella 135557 - 167442nt	(785)	AAATAGAGTTTCTTTTGATTTAGACGCTAATGGTATTTTAAACGTTACAGCTAAAGATAAAAAACAGGAAAAGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(757)	ACATAGCAGTG-----GTGTTACCCTGTA--C---T-CATGCGTG--AGCTTAACTGAG-----GGGCATACAA							
Section 1773									
	(136445)	136445	136455	136466	136477	136488	136499	136510	136521
Candidatus Carsonella ruddii strain BT chromosome...	(136418)	CAATCTATAATTATAAAATCTTCTGGAGGATTATCTGAATTGAATTTGAAAAATATGATAAAAGATGTCAGAGCTAA							
Candidatus Carsonella 135557 - 167442nt	(862)	CAATCTATAATTATAAAATCTTCTGGAGGATTATCTGAATTGAATTTGAAAAATATGATAAAAGATGTCAGAGCTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(813)	CTCGCTATGTCGATAAACAACTTCTGTGGC---CCTGATGGCTACCTCTTTGAGTGCATTAAAGACCTTCTAGCACG							
Section 1774									
	(136522)	136522	136532	136543	136554	136565	136576	136587	136598
Candidatus Carsonella ruddii strain BT chromosome...	(136495)	TTCTGAATTGGATAAAA--ACTTTGAA-GAATTAGTAAATGTAA--AAATGAAGCTGATAGTACAATTTCAATAGT							
Candidatus Carsonella 135557 - 167442nt	(939)	TTCTGAATTGGATAAAA--ACTTTGAA-GAATTAGTAAATGTAA--AAATGAAGCTGATAGTACAATTTCAATAGT							
SARS-CoV-2 Reference Genome NC_045512.2	(886)	TGCTGTGTAAGCTTTCATGCACTTTGTCCGAACAACTGGACTTTATTGACACTAAGAGGGGTGTATCTGTG-CTGCCGT							
Section 1775									
	(136599)	136599	136609	136620	136631	136642	136653	136664	136675
Candidatus Carsonella ruddii strain BT chromosome...	(136567)	AAGAAAAAATTTAAAAATGATGAAAAACAAAAATAAGTGATGAAGAAAAAGAATCAATTGAAAAATCAATATCAAATT							
Candidatus Carsonella 135557 - 167442nt	(1011)	AAGAAAAAATTTAAAAATGATGAAAAACAAAAATAAGTGATGAAGAAAAAGAATCAATTGAAAAATCAATATCAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(962)	GAACATGAGCATGAAATTGCTTGGTACACGGA-ACGTCTTGAA-AAAGAGCTATGAATTGCAGACACCTTTTGAAATT							
Section 1776									
	(136676)	136676	136686	136697	136708	136719	136730	136741	136752
Candidatus Carsonella ruddii strain BT chromosome...	(136644)	TAGAATTATTAATAAAAGGTGATGATTTAACATCAATTAATAAAG--CAAATGAAG-ATTTACTAAAAATAGTGAA							
Candidatus Carsonella 135557 - 167442nt	(1088)	TAGAATTATTAATAAAAGGTGATGATTTAACATCAATTAATAAAG--CAAATGAAG-ATTTACTAAAAATAGTGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1037)	AA--ATTGGCAAGAAATTTGAC-----ACCTCAATGGGGAAATGTCCAAATTTTGTATTTCCCTTAAAT---TCCA							

SARS-CoV-2 & Bakterien.apr

		Section 1777							
		(136753)	136753	136763	136774	136785	136796	136807	136818 136829
Candidatus Carsonella ruddii strain BT chromosome...	(136718)	AATATAATTAAAAACAATAAAAAATAATAAAAGCGCTATCGTTAATGTTTAAACGATAGCGTAATAAATTAATGATT							
Candidatus Carsonella 135557 - 167442nt	(1162)	AATATAATTAAAAACAATAAAAAATAATAAAAGCGCTATCGTTAATGTTTAAACGATAGCGTAATAAATTAATGATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1104)	TA-ATCAAGACTATTCAACCAGGGTTGAAAAAGAAAGCTTGATGGCTTTATGGGTAG-----AATT--CGATC							
		Section 1778							
		(136830)	136830	136840	136851	136862	136873	136884	136895 136906
Candidatus Carsonella ruddii strain BT chromosome...	(136795)	AAAAATATTTATTTTGAATAACAGGAATAATGGGAAATCAATTTTAAATTTTTTAAATTAATATAAATTTTAA							
Candidatus Carsonella 135557 - 167442nt	(1239)	AAAAATATTTATTTTGAATAACAGGAATAATGGGAAATCAATTTTAAATTTTTTAAATTAATATAAATTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1171)	TGTCATCCAGTTGCG---TCACCAATGAAATGC---AACCAATGTGCCTTTC---AACTCTCATGAAGTGTGA--							
		Section 1779							
		(136907)	136907	136917	136928	136939	136950	136961	136972 136983
Candidatus Carsonella ruddii strain BT chromosome...	(136872)	TTTATTAGGTGGAATAAATAAAAAAAATTCCTTTAAATTTATTTAAAAATAAATATAATTTAATTTTAAAAACATGA							
Candidatus Carsonella 135557 - 167442nt	(1316)	TTTATTAGGTGGAATAAATAAAAAAAATTCCTTTAAATTTATTTAAAAATAAATATAATTTAATTTTAAAAACATGA							
SARS-CoV-2 Reference Genome NC_045512.2	(1237)	-TCATT--GTGGTGAACCTTCATGGCAAGAGGGCGATTTTGTGTTAAAGCCACTTGCGA----ATTTTGTGGCAC-TGA							
		Section 1780							
		(136984)	136984	136994	137005	137016	137027	137038	137049 137060
Candidatus Carsonella ruddii strain BT chromosome...	(136949)	GTAAAAATAGTATATTAATAGATTTTTCAAATTTTAAATTTATTTAAAA-AAAATCTTTTAAATATCGTTTTTTTTAA							
Candidatus Carsonella 135557 - 167442nt	(1393)	GTAAAAATAGTATATTAATAGATTTTTCAAATTTTAAATTTATTTAAAA-AAAATCTTTTAAATATCGTTTTTTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1306)	G---AATTTGACTATA-AGAAGGTGCCACTACTTGTTGGTTACTTACCCCAAAATGCTGTTGTATAAAATTTATTGTCCA							
		Section 1781							
		(137061)	137061	137071	137082	137093	137104	137115	137126 137137
Candidatus Carsonella ruddii strain BT chromosome...	(137025)	AATTCCATTAAATAATTGGAACTACAGGATTAAATATAGTTTATTAAATATATATAAAATATGATCTTTATATGTTT							
Candidatus Carsonella 135557 - 167442nt	(1469)	AATTCCATTAAATAATTGGAACTACAGGATTAAATATAGTTTATTAAATATATATAAAATATGATCTTTATATGTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(1379)	GCA--GTCACATTCAGAAATAG-GACCTGAGCATAGTCTTGCCGAATACCATAA----TGAACTCTG-----GCTT							
		Section 1782							
		(137138)	137138	137148	137159	137170	137181	137192	137203 137214
Candidatus Carsonella ruddii strain BT chromosome...	(137102)	CAATATTATTATCTTATAATATGAGTATTGGTTTAAATTTAAATTAATTATTTTATCAAAATTTAAATATTTATTTA							
Candidatus Carsonella 135557 - 167442nt	(1546)	CAATATTATTATCTTATAATATGAGTATTGGTTTAAATTTAAATTAATTATTTTATCAAAATTTAAATATTTATTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(1444)	GAAACCATTCT----TCGTAGGGTGGTCGCACTATGCGCTTTGGAGGCTGTGTGTCTCTTT--ATGTTGGTTGC							

SARS-CoV-2 & Bakterien.apr

										Section 1783
	(137215)	137215	137225	137236	137247	137258	137269	137280	137291	
Candidatus Carsonella ruddii strain BT chromosome...	(137179)	AAAATTTTATAATTTTAAATTTCTTTTATTTT	AGACATTCATCATGATAAAAAA	TAGATTCT--	CCAT-	CAGGTACATC				
Candidatus Carsonella 135557 - 167442nt	(1623)	AAAATTTTATAATTTTAAATTTCTTTTATTTT	AGACATTCATCATGATAAAAAA	TAGATTCT--	CCAT-	CAGGTACATC				
SARS-CoV-2 Reference Genome NC_045512.2	(1514)	CATA---ACAAAGTGTGTC--CTATTGGGTT	CCACGTGC-TAGCGCTAA	CA---TAGGTTGTAA	CCATACAGGTG--TT					
										Section 1784
	(137292)	137292	137302	137313	137324	137335	137346	137357	137368	
Candidatus Carsonella ruddii strain BT chromosome...	(137253)	TTTAATGATTTTCTTAAATTAATAATTTAAT	AAAAATATTTT	AGTATAAGAATTAAAAATATAAT	AGGAAACC					
Candidatus Carsonella 135557 - 167442nt	(1697)	TTTAATGATTTTCTTAAATTAATAATTTAAT	AAAAATATTTT	AGTATAAGAATTAAAAATATAAT	AGGAAACC					
SARS-CoV-2 Reference Genome NC_045512.2	(1580)	GTTGGAAGAGGTTCTCGAAAGGTC-----	TTAATGACAACTTCTTGAAATACTC--	CAAAAAAGAGAA-AGTCAAC-						
										Section 1785
	(137369)	137369	137379	137390	137401	137412	137423	137434	137445	
Candidatus Carsonella ruddii strain BT chromosome...	(137330)	ATGTTATTTATTTAATTTCTAATAATGAAATTAT	TAAATAGAACATTTAATATTAATAGAAATAT	TTTTTATATTG						
Candidatus Carsonella 135557 - 167442nt	(1774)	ATGTTATTTATTTAATTTCTAATAATGAAATTAT	TAAATAGAACATTTAATATTAATAGAAATAT	TTTTTATATTG						
SARS-CoV-2 Reference Genome NC_045512.2	(1646)	-----ATCAATATGTGTTGGTGACTTTAAAC	TTAATGAAAG-AGATC----	GCCATTA	TTTGTGCATCTTTTTCTGCT-					
										Section 1786
	(137446)	137446	137456	137467	137478	137489	137500	137511	137522	
Candidatus Carsonella ruddii strain BT chromosome...	(137407)	GGAATATTTTATTTCAATATTATGGTTATTGA	ATAAAAAAAGCTTGTTTTC	AATGATATTTATTTTATG						
Candidatus Carsonella 135557 - 167442nt	(1851)	GGAATATTTTATTTCAATATTATGGTTATTGA	ATAAAAAAAGCTTGTTTTC	AATGATATTTATTTTATG						
SARS-CoV-2 Reference Genome NC_045512.2	(1712)	-----TCCACAGTGTGCTTTTGTGGAA	ACTGTGAAAGGTTTG	GATTATAAAGCATTC	AAACAATTGTT---					
										Section 1787
	(137523)	137523	137533	137544	137555	137566	137577	137588	137599	
Candidatus Carsonella ruddii strain BT chromosome...	(137484)	TTAATAATAGAAAGTGGTTATTTTTTTTAAAT	GC AAAATTTGTTAATTA	AAAAAAAGTTGTGGTGAATTAATTTTAA						
Candidatus Carsonella 135557 - 167442nt	(1928)	TTAATAATAGAAAGTGGTTATTTTTTTTAAAT	GC AAAATTTGTTAATTA	AAAAAAAGTTGTGGTGAATTAATTTTAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1775)	-GAATCCT-----GTGGTAATTTT---	AAAGTTACAAAGGAAAGCTAAAAA	GTTGCC--TGGAATATTGGTGAA						
										Section 1788
	(137600)	137600	137610	137621	137632	137643	137654	137665	137676	
Candidatus Carsonella ruddii strain BT chromosome...	(137561)	TTCTTCAAATTACGGATA-----TAATGAA	ATTATATCAGATCCATCATATAAATCACA	ATTTTTAATCTTCTCTAA						
Candidatus Carsonella 135557 - 167442nt	(2005)	TTCTTCAAATTACGGATA-----TAATGAA	ATTATATCAGATCCATCATATAAATCACA	ATTTTTAATCTTCTCTAA						
SARS-CoV-2 Reference Genome NC_045512.2	(1841)	CAGAAATCAATACGTGTCCTCTTTATG	CATTTGCATCAGAGGCTGCTCGTGT	TGTACGAT---CAATTTCTC---						

		Section 1789							
		(137677)	137677	137687	137698	137709	137720	137731	137742 137753
Candidatus Carsonella ruddii strain BT chromosome...	(137633)	TCCACA-TATTGGAAATGTTGGAATAATAGAACAGATTTCGAATTATTTAAATATAAATAAATGCAATTATAAATT							
Candidatus Carsonella 135557 - 167442nt	(2077)	TCCACA-TATTGGAAATGTTGGAATAATAGAACAGATTTCGAATTATTTAAATATAAATAAATGCAATTATAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(1912)	-CCGCACTCTTGAAAC TGCTCAAAATTCTGTGCGTGT TTTACAGAAGGCCGCTATAACAATA---CTAGATGG AATT							
		Section 1790							
		(137754)	137754	137764	137775	137786	137797	137808	137819 137830
Candidatus Carsonella ruddii strain BT chromosome...	(137709)	AAAAATTATTCAATATCTAGTAATTTTAGAAGTAATTTTAAATAA-ATACTTTT TTAATAATTCAAAAAATAA							
Candidatus Carsonella 135557 - 167442nt	(2153)	AAAAATTATTCAATATCTAGTAATTTTAGAAGTAATTTTAAATAA-ATACTTTT TTAATAATTCAAAAAATAA							
SARS-CoV-2 Reference Genome NC_045512.2	(1985)	TCAACAGTATTCACTGAG-AC TCATTGATGCTATGATGTTCACTCTGATTGGCTACTAAACAATCTAGTTGT AATGG							
		Section 1791							
		(137831)	137831	137841	137852	137863	137874	137885	137896 137907
Candidatus Carsonella ruddii strain BT chromosome...	(137785)	TTTTAATTGGAATTGATACTAGATATTTAATTTCA-AGTG--TAA GAAACAT TGGTGTTCAATTCGCAATTATTATT							
Candidatus Carsonella 135557 - 167442nt	(2229)	TTTTAATTGGAATTGATACTAGATATTTAATTTCA-AGTG--TAA GAAACAT TGGTGTTCAATTCGCAATTATTATT							
SARS-CoV-2 Reference Genome NC_045512.2	(2061)	CCTACATTACAGG TGGTGTGTTCAGTTGAC TTCGCAGTGGCTAACTAACATCT-----TTGCACTGT TTATG							
		Section 1792							
		(137908)	137908	137918	137929	137940	137951	137962	137973 137984
Candidatus Carsonella ruddii strain BT chromosome...	(137859)	AAAAATATTGATAAATAAAAAATATTATTATTAAATATTTAAGATT TTTAAACAAATCAAAAAA-TGTATTAT-GATTAA							
Candidatus Carsonella 135557 - 167442nt	(2303)	AAAAATATTGATAAATAAAAAATATTATTATTAAATATTTAAGATT TTTAAACAAATCAAAAAA-TGTATTAT-GATTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(2130)	AAAAAC-----TCAACCCCGTCCCT-TGATTGGCTTGAAAGAGAAGTTTAA GGAAGGTGTAGAGTTTCTTAGAGACGGT							
		Section 1793							
		(137985)	137985	137995	138006	138017	138028	138039	138050 138061
Candidatus Carsonella ruddii strain BT chromosome...	(137934)	TATTTTATTAAATAAATTTAGGATGTAAAC TTGGTATTTT TAAAC TTTAAT TAAAAATAATTGTTTATT TACGAAT							
Candidatus Carsonella 135557 - 167442nt	(2378)	TATTTTATTAAATAAATTTAGGATGTAAAC TTGGTATTTT TAAAC TTTAAT TAAAAATAATTGTTTATT TACGAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(2201)	TGGGAAATTGT TAAATTTA---TCTCAACCTGTGCTTGTGAAAT TGT CGGTGGACA--AATTGTCACCTGTGC AAAAG							
		Section 1794							
		(138062)	138062	138072	138083	138094	138105	138116	138127 138138
Candidatus Carsonella ruddii strain BT chromosome...	(138011)	TAAAAAAACAAACAAATGTAAAAATT-TTAAAAAAATAGATGGAGTATTTATTTT CGAATGGGCCAGGTAATCCTTT							
Candidatus Carsonella 135557 - 167442nt	(2455)	TAAAAAAACAAACAAATGTAAAAATT-TTAAAAAAATAGATGGAGTATTTATTTT CGAATGGGCCAGGTAATCCTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(2273)	GAAATTAA GGAAGAGTGTTCAGACATTC TTTAA GCTTGTAATAAATTTTGGCTTGTGTGCTGACTCTATCAT TAT							

SARS-CoV-2 & Bakterien.apr

		Section 1795							
		(138139)	138139	138149	138160	138171	138182	138193	138204 138215
Candidatus Carsonella ruddii strain BT chromosome...	(138087)	TAAATATTCTAAATTTTATAATGTGATATTATTTTAAATATATATTAAAGTTCCAACCTATTAGTATTTGTTTAGGTC							
Candidatus Carsonella 135557 - 167442nt	(2531)	TAAATATTCTAAATTTTATAATGTGATATTATTTTAAATATATATTAAAGTTCCAACCTATTAGTATTTGTTTAGGTC							
SARS-CoV-2 Reference Genome NC_045512.2	(2350)	TGGTGGAGCTAAACCTTAAGCCTTGAATTTAGGTGAACATTTGTC---A---CGCCTCAAAGGGAATTGTACAG---							
		Section 1796							
		(138216)	138216	138226	138237	138248	138259	138270	138281 138292
Candidatus Carsonella ruddii strain BT chromosome...	(138164)	ATCAAATATTAGGTATTTTAAATAAATTTTCATTTTCTTAACTTAAAAATGGACATCATGGTGTAAATCATCTATT							
Candidatus Carsonella 135557 - 167442nt	(2608)	ATCAAATATTAGGTATTTTAAATAAATTTTCATTTTCTTAACTTAAAAATGGACATCATGGTGTAAATCATCTATT							
SARS-CoV-2 Reference Genome NC_045512.2	(2419)	AAGGTGTGTTAAATCCAGAGAAAGAACGGCCATCTCATGCCTCTAAAAAGCCCAAAAG-----AAATATCTTCTTT							
		Section 1797							
		(138293)	138293	138303	138314	138325	138336	138347	138358 138369
Candidatus Carsonella ruddii strain BT chromosome...	(138241)	TATAATAAATAATAATAAAAAAATTTTTATAAGTTTACAGAAATCATAAATTTTAAATTTAAAAAATAATAAAAAA							
Candidatus Carsonella 135557 - 167442nt	(2685)	TATAATAAATAATAATAAAAAAATTTTTATAAGTTTACAGAAATCATAAATTTTAAATTTAAAAAATAATAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(2491)	AGAGGGAGAAACACTTCCCACAG-----AGTGTTAACAGAGG---AAGTTGTCCTGAAAACTGGTGAATTTACAAACA							
		Section 1798							
		(138370)	138370	138380	138391	138402	138413	138424	138435 138446
Candidatus Carsonella ruddii strain BT chromosome...	(138318)	TTTTAATAAATCTTATTATTTCATTATTTGATAATACTATTCAAAGCATTAACTCGGTTTTTCAACCACTATTTAGTT							
Candidatus Carsonella 135557 - 167442nt	(2762)	TTTTAATAAATCTTATTATTTCATTATTTGATAATACTATTCAAAGCATTAACTCGGTTTTTCAACCACTATTTAGTT							
SARS-CoV-2 Reference Genome NC_045512.2	(2561)	TTAGAAACAA--CCTACTAGTGA--AGCTGTGAGCTC-----CATT-----GGTTGGTACACCAAGTTTGTA-TT							
		Section 1799							
		(138447)	138447	138457	138468	138479	138490	138501	138512 138523
Candidatus Carsonella ruddii strain BT chromosome...	(138395)	TTCAGGGTCATCCTGAAGGATGTGCGGGTCCAAATGATTTAATTTTCATTTTAAATTTTATAATAAAATTTATGAA							
Candidatus Carsonella 135557 - 167442nt	(2839)	TTCAGGGTCATCCTGAAGGATGTGCGGGTCCAAATGATTTAATTTTCATTTTAAATTTTATAATAAAATTTATGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(2621)	AACGGGCTTATGTGCTCGAATCAAAACACAGAAAGTACTGTGCCCTTGCACTTAATATGATGGTAACAAACAA							
		Section 1800							
		(138524)	138524	138534	138545	138556	138567	138578	138589 138600
Candidatus Carsonella ruddii strain BT chromosome...	(138472)	TAAATTTTAGTAATAGGTGCAGGACCAATAAATTTGTTGGACAAGCT--TGCGAATTTGATTA---TTCAGGAACACA							
Candidatus Carsonella 135557 - 167442nt	(2916)	TAAATTTTAGTAATAGGTGCAGGACCAATAAATTTGTTGGACAAGCT--TGCGAATTTGATTA---TTCAGGAACACA							
SARS-CoV-2 Reference Genome NC_045512.2	(2698)	TACCTTCACACTCAAGGCAGTGCACCAACAAAGTTACTTTTGGTGAAGACACTGTGATAGAAGTCAAGGTTACA							

SARS-CoV-2 & Bakterien.apr

Section 1801											
	(138601)	138601	138611	138622	138633	138644	138655	138666	138677		
Candidatus Carsonella ruddii strain BT chromosome...	(138544)	AGCTTGTAAA	----	ACTTTAAAAGAA	GAAAAATATCAT	TGTTATTTTATT	TAAATCTAATC	----	CTGCA----ACAATT		
Candidatus Carsonella 135557 - 167442nt	(2988)	AGCTTGTAAA	----	ACTTTAAAAGAA	GAAAAATATCAT	TGTTATTTTATT	TAAATCTAATC	----	CTGCA----ACAATT		
SARS-CoV-2 Reference Genome NC_045512.2	(2775)	AGAGTGTGAA	TATC	ACTTTTGAA	CTTGATGAA	AGGATTGATAA	AGTACTTAAT	GAGAA	GTGCTCTGCTATACAGTT		
Section 1802											
	(138678)	138678	138688	138699	138710	138721	138732	138743	138754		
Candidatus Carsonella ruddii strain BT chromosome...	(138611)	ATGACTGATTAT	GAAATAGCAGATT	CAATCTATATTGAA	----	CAAATAAA	----	TAAAGATAAATTTAAT	AAAAATAATTTTA		
Candidatus Carsonella 135557 - 167442nt	(3055)	ATGACTGATTAT	GAAATAGCAGATT	CAATCTATATTGAA	----	CAAATAAA	----	TAAAGATAAATTTAAT	AAAAATAATTTTA		
SARS-CoV-2 Reference Genome NC_045512.2	(2852)	GAACCTCGGT	ACAGAA	GTAAATGAGTT	TCGCTGTGTTG	TGGCAGATGCTGT	CATAA	AAACCTT	TGCAAACAGTATCTGA		
Section 1803											
	(138755)	138755	138765	138776	138787	138798	138809	138820	138831		
Candidatus Carsonella ruddii strain BT chromosome...	(138686)	AT-AGAAAAACCA	AATTTTATT	TTACCAACT	TATGGGTGGT	CAAACTGCTTT	TAAATTTGATTTT	TATGATTTTA	----	TGAAT	
Candidatus Carsonella 135557 - 167442nt	(3130)	AT-AGAAAAACCA	AATTTTATT	TTACCAACT	TATGGGTGGT	CAAACTGCTTT	TAAATTTGATTTT	TATGATTTTA	----	TGAAT	
SARS-CoV-2 Reference Genome NC_045512.2	(2929)	ATTACTTAC	ACCACTGGGC	ATTGATTTAGAT	GAGTGGAGT	ATGGCTACAT	ACTATCTATTT	GATGAGT	CTGG	TGAGT	
Section 1804											
	(138832)	138832	138842	138853	138864	138875	138886	138897	138908		
Candidatus Carsonella ruddii strain BT chromosome...	(138761)	TCAAATTTT	TATTTTC	CAAAAGAAAA	TATTTTAGGAATAAA	TAAAAAACATTAATTAAT	GCTGAAAGTAGAAATTC	----	----		
Candidatus Carsonella 135557 - 167442nt	(3205)	TCAAATTTT	TATTTTC	CAAAAGAAAA	TATTTTAGGAATAAA	TAAAAAACATTAATTAAT	GCTGAAAGTAGAAATTC	----	----		
SARS-CoV-2 Reference Genome NC_045512.2	(3006)	TTAAATT	GG--C	TTCA	CATATG----	TATTGTT-----	CTTCTACCCTCC	AGATGAGGATGAA	GAAGAA	GGTG	
Section 1805											
	(138909)	138909	138919	138930	138941	138952	138963	138974	138985		
Candidatus Carsonella ruddii strain BT chromosome...	(138838)	TTTTTATAATTT	AATAAAAAA	ATTGGATTAA	AATGTCCAGAT	TCAACTAT	TATAAATAATATTA	ATAATAGTAACT	----		
Candidatus Carsonella 135557 - 167442nt	(3282)	TTTTTATAATTT	AATAAAAAA	ATTGGATTAA	AATGTCCAGAT	TCAACTAT	TATAAATAATATTA	ATAATAGTAACT	----		
SARS-CoV-2 Reference Genome NC_045512.2	(3069)	ATTGTG-----	AA	GAA	GAA	GAGTTTGA	GCCATCAACTCA	ATATGAGTATGGTA	CTGAA	GATGATTACCA---AGG	
Section 1806											
	(138986)	138986	138996	139007	139018	139029	139040	139051	139062		
Candidatus Carsonella ruddii strain BT chromosome...	(138915)	TTAATCAT	AAAATAGAATTT	CCTTGTGTTAT	AAGACCATCTTT	TACATTAGGTGGACT	AGGAAGTGGTATTG	CATAT	----		
Candidatus Carsonella 135557 - 167442nt	(3359)	TTAATCAT	AAAATAGAATTT	CCTTGTGTTAT	AAGACCATCTTT	TACATTAGGTGGACT	AGGAAGTGGTATTG	CATAT	----		
SARS-CoV-2 Reference Genome NC_045512.2	(3136)	TAAACCTT----	TG	GAATTTGGT	-GCCACTTCTG	CTGCTGCTCTT	CAACCTGA	AGAA	GAGCAAGAAG	AAG-ATTG	GTTAG

SARS-CoV-2 & Bakterien.apr

			Section 1807							
			(139063)	139063	139073	139084	139095	139106	139117	139128 139139
Candidatus Carsonella ruddii strain BT chromosome...	(138992)		AAATAAAAAA	---	AAATTTTTTT	TTTAATTATA	AAAAAATGCTTT	TTCTTTT	TCAAACGAAAT	TACTATAGATAAAATCTA
Candidatus Carsonella 135557 - 167442nt	(3436)		AAATAAAAAA	---	AAATTTTTTT	TTTAATTATA	AAAAAATGCTTT	TTCTTTT	TCAAACGAAAT	TACTATAGATAAAATCTA
SARS-CoV-2 Reference Genome NC_045512.2	(3207)		ATGATGATAGTC	AA	CAAAC	TGTTGGTCAAC	AA	GACGCGAGT	GAGGACAA	TCAGAC--AACTACTATTC
			Section 1808							
			(139140)	139140	139150	139161	139172	139183	139194	139205 139216
Candidatus Carsonella ruddii strain BT chromosome...	(139065)		TAATAGGATGGAAAG	-	AATACGAATTAGAATT	TATTAATAGATAAT	TATTATAATATTATT	GTAATATGTTGTATTGA		
Candidatus Carsonella 135557 - 167442nt	(3509)		TAATAGGATGGAAAG	-	AATACGAATTAGAATT	TATTAATAGATAAT	TATTATAATATTATT	GTAATATGTTGTATTGA		
SARS-CoV-2 Reference Genome NC_045512.2	(3282)		TTG-AGGTTCACCTC	AATTA	GAGATGGAAC	TACACCAGTTGTTCAG	---	ACTATTGAAAGTGAATA	GTTT	TAGTGG
			Section 1809							
			(139217)	139217	139227	139238	139249	139260	139271	139282 139293
Candidatus Carsonella ruddii strain BT chromosome...	(139141)		AAATTTAGATCCTGTGGAATTCATACAGGTGATTC	TATTACATTAAACACCTTCACAAACTTTATCTGA	---	CAAAGA				
Candidatus Carsonella 135557 - 167442nt	(3585)		AAATTTAGATCCTGTGGAATTCATACAGGTGATTC	TATTACATTAAACACCTTCACAAACTTTATCTGA	---	CAAAGA				
SARS-CoV-2 Reference Genome NC_045512.2	(3355)		TTATTTAAACCTTAC	TG-----ACA-----ATGTAT-ACATTAA-AAA	TGCA	CAATTGTGGAA	GAGCT	AAAA		
			Section 1810							
			(139294)	139294	139304	139315	139326	139337	139348	139359 139370
Candidatus Carsonella ruddii strain BT chromosome...	(139216)		ATATGAAAACATAAGAGATTGTTCTTTTATTATTTTAA	AATCTGTAGGTTTAAAA-GGAGGAGGTGC	AAAAATATACAA					
Candidatus Carsonella 135557 - 167442nt	(3660)		ATATGAAAACATAAGAGATTGTTCTTTTATTATTTTAA	AATCTGTAGGTTTAAAA-GGAGGAGGTGC	AAAAATATACAA					
SARS-CoV-2 Reference Genome NC_045512.2	(3417)		AGGTAAAAACAACAGTGGTTGTTAA	TGCA	GCC-----AATGTTTACCCTTAAACAT	GGAGGAGGTGT---	TGCAGGA			
			Section 1811							
			(139371)	139371	139381	139392	139403	139414	139425	139436 139447
Candidatus Carsonella ruddii strain BT chromosome...	(139292)		TTTGCTATTAAATCCTATTAA	TGGAGATATAATTATAATAGAAATGAATCCTAG	AATTTCTAGATCTGCTGCTTTAGC					
Candidatus Carsonella 135557 - 167442nt	(3736)		TTTGCTATTAAATCCTATTAA	TGGAGATATAATTATAATAGAAATGAATCCTAG	AATTTCTAGATCTGCTGCTTTAGC					
SARS-CoV-2 Reference Genome NC_045512.2	(3485)		GCCTTAATAAAGGCTAAC	C-----AATGCCATGCAAGTGAATCTGATGATTAG-ATAGCTACTAA	TGGACC					
			Section 1812							
			(139448)	139448	139458	139469	139480	139491	139502	139513 139524
Candidatus Carsonella ruddii strain BT chromosome...	(139369)		TTCAAAAGCTACCGGATATCCTATAGCAAAAAATATCTAC	AAATTTATCTATTGGTTATAAATTTAATAAATTTACTTA						
Candidatus Carsonella 135557 - 167442nt	(3813)		TTCAAAAGCTACCGGATATCCTATAGCAAAAAATATCTAC	AAATTTATCTATTGGTTATAAATTTAATAAATTTACTTA						
SARS-CoV-2 Reference Genome NC_045512.2	(3553)		ACTTAAAGTGGGTGGTAGT	TGTGTTTAA	GCGGAC--ACAA	TCCTTG-CTAACAC	TGCTT	CATGT	TGTCGGC	CAA

SARS-CoV-2 & Bakterien.apr

	(139525)	139525	139535	139546	139557	139568	139579	139590	139601	Section 1813
Candidatus Carsonella ruddii strain BT chromosome...	(139446)	ATGATATTACATGTGGAAATTTACCAGCTTCATTTGAACCGTCAATTGATTATATTGTTTTGAAATTTCTTAATTT								
Candidatus Carsonella 135557 - 167442nt	(3890)	ATGATATTACATGTGGAAATTTACCAGCTTCATTTGAACCGTCAATTGATTATATTGTTTTGAAATTTCTTAATTT								
SARS-CoV-2 Reference Genome NC_045512.2	(3627)	ATGTTAACAAGAAGGTGAAGACATTTC-ACTTCTTAAAGAG-----TGCTTATGAAAAATTTAAATCAGCACGAGGTT								
	(139602)	139602	139612	139623	139634	139645	139656	139667	139678	Section 1814
Candidatus Carsonella ruddii strain BT chromosome...	(139523)	AATTTTGAAAAATTTAATAAGTATAAAATATTTTAAATACTGTAAATGAAATCTATCGGAGAAATTATGAGTTTAGG---								
Candidatus Carsonella 135557 - 167442nt	(3967)	AATTTTGAAAAATTTAATAAGTATAAAATATTTTAAATACTGTAAATGAAATCTATCGGAGAAATTATGAGTTTAGG---								
SARS-CoV-2 Reference Genome NC_045512.2	(3695)	CTACTTGCAACCATT-ATTATCAGCTGGTATTTT---GTTGC TGA CC-CTATAC-ATTCTTTAAGAGTTTGTGTAG								
	(139679)	139679	139689	139700	139711	139722	139733	139744	139755	Section 1815
Candidatus Carsonella ruddii strain BT chromosome...	(139597)	ATCTTCTTTTCAAGAATCTTTTATAAAAGCAAATTTATTCAATAACACAGAACACAGAAACAA--TTCCTTCTTTTATAAA								
Candidatus Carsonella 135557 - 167442nt	(4041)	ATCTTCTTTTCAAGAATCTTTTATAAAAGCAAATTTATTCAATAACACAGAACACAGAAACAA--TTCCTTCTTTTATAAA								
SARS-CoV-2 Reference Genome NC_045512.2	(3765)	ATACTGFTCGACAAATGTCTACTTAGCTGTCTTTGATAAATCTCTATGACAAACTTGT TTC AAG CTTTTTGGAA								
	(139756)	139756	139766	139777	139788	139799	139810	139821	139832	Section 1816
Candidatus Carsonella ruddii strain BT chromosome...	(139672)	GCGAAAATATTATAATAATTTATAAAATTTAAAAATATTAAAAAAATATTAAATCCCTAATAGTAAAAGAATATTTTATA								
Candidatus Carsonella 135557 - 167442nt	(4116)	GCGAAAATATTATAATAATTTATAAAATTTAAAAATATTAAAAAAATATTAAATCCCTAATAGTAAAAGAATATTTTATA								
SARS-CoV-2 Reference Genome NC_045512.2	(3842)	ATGAAAGAGTGAAAGGCAAGGTGAA---CAAAA GATCGCTGAGATTCC TAAAGAGGAA-- GTTAA GCC ATTTATAACT								
	(139833)	139833	139843	139854	139865	139876	139887	139898	139909	Section 1817
Candidatus Carsonella ruddii strain BT chromosome...	(139749)	TAA TAGATGCTTTTAGATTAAATTTTAA CAT AAAATTAATTTTTGTTTATCAAAAATTGATCCTTGGTTTTGTAT								
Candidatus Carsonella 135557 - 167442nt	(4193)	TAA TAGATGCTTTTAGATTAAATTTTAA CAT AAAATTAATTTTTGTTTATCAAAAATTGATCCTTGGTTTTGTAT								
SARS-CoV-2 Reference Genome NC_045512.2	(3914)	GAAAGTAAAGCTTCAGTTGAA CAGAG AA AACAA GATGA --- TAA -GAAAATCAAA GC TTG ----- TGTTGAAG								
	(139910)	139910	139920	139931	139942	139953	139964	139975	139986	Section 1818
Candidatus Carsonella ruddii strain BT chromosome...	(139826)	TATATAAAAGAAATTTATTGATTATGAAAAAAATTTTATTATTATTATAAAATAAAAAAAAAAATTATATTAAAACAAAT								
Candidatus Carsonella 135557 - 167442nt	(4270)	TATATAAAAGAAATTTATTGATTATGAAAAAAATTTTATTATTATTATAAAATAAAAAAAAAAATTATATTAAAACAAAT								
SARS-CoV-2 Reference Genome NC_045512.2	(3978)	AAGTACAA CAAC TC-----TGGAAGAACTAAGTTCCTCACAGAAA- ACTTGTTACTTTATATTGACATTAAAT								

SARS-CoV-2 & Bakterien.apr

		Section 1819							
		(139987)	139987	139997	140008	140019	140030	140041	140052 140063
Candidatus Carsonella ruddii strain BT chromosome...	(139903)		AG-ATTCTTGTTC	TAATGAATTTGTTAGTC	CAACTTCCTTATTTATATTCTTCTAAT	TATTTTTATAATGAAATTAGA			
Candidatus Carsonella 135557 - 167442nt	(4347)		AG-ATTCTTGTTC	TAATGAATTTGTTAGTC	CAACTTCCTTATTTATATTCTTCTAAT	TATTTTTATAATGAAATTAGA			
SARS-CoV-2 Reference Genome NC_045512.2	(4046)		GGC	AATCTTCA	TCCA--GATTC	TGCCAC	TC---TTGTTAGT	GACATTG---ACATCA	CTTTCTTAAAGAAA---GA
		Section 1820							
		(140064)	140064	140074	140085	140096	140107	140118	140129 140140
Candidatus Carsonella ruddii strain BT chromosome...	(139979)		TATAC	TATTAATAAAAAAATATTAATTTTAGGAAGT	GTGTTTAAATAGAAATAGG	---ACAAAGTATAGAAATTGATT			
Candidatus Carsonella 135557 - 167442nt	(4423)		TATAC	TATTAATAAAAAAATATTAATTTTAGGAAGT	GTGTTTAAATAGAAATAGG	---ACAAAGTATAGAAATTGATT			
SARS-CoV-2 Reference Genome NC_045512.2	(4111)		TGCTC	ATATATA	GTGGGTGATGTTGTTC	AAGAGGGT	GTTTTAACTGCTGTGG	TTATACCTACTA	AAAGGC
		Section 1821							
		(140141)	140141	140151	140162	140173	140184	140195	140206 140217
Candidatus Carsonella ruddii strain BT chromosome...	(140052)		ACTGTTGTACAAAAGCT	-GCTAAATTTTATTAAAAAAATAGG	TTTTGATTCAATAATCATAAATTGT	TAATCCAGAAAC			
Candidatus Carsonella 135557 - 167442nt	(4496)		ACTGTTGTACAAAAGCT	-GCTAAATTTTATTAAAAAAATAGG	TTTTGATTCAATAATCATAAATTGT	TAATCCAGAAAC			
SARS-CoV-2 Reference Genome NC_045512.2	(4188)		GCAC	TACTG-AAA	TGCTAGCG	AAAGC	TTTGAGAAAA	GT--GCCAAC	AGCAAT
		Section 1822							
		(140218)	140218	140228	140239	140250	140261	140272	140283 140294
Candidatus Carsonella ruddii strain BT chromosome...	(140128)		AGTTTCTACAGATTATGATTCTAGTT	----CACAAATTATTTT	TGACCCCTATTACTATTACTTATTTAAATAAATTTA				
Candidatus Carsonella 135557 - 167442nt	(4572)		AGTTTCTACAGATTATGATTCTAGTT	----CACAAATTATTTT	TGACCCCTATTACTATTACTTATTTAAATAAATTTA				
SARS-CoV-2 Reference Genome NC_045512.2	(4260)		AGGG	TTTAAATGG	TTACACTGTAG	AGGAGG	CAAGACAGT	GCTTAA	AAAGTGTA
		Section 1823							
		(140295)	140295	140305	140316	140327	140338	140349	140360 140371
Candidatus Carsonella ruddii strain BT chromosome...	(140201)		ATTTTATAATTTTAAACCAATTTTAAATAATTGTC	--AATTAGGTGGTC	-AATTACGTTTAAATATTTAAGATTTAA				
Candidatus Carsonella 135557 - 167442nt	(4645)		ATTTTATAATTTTAAACCAATTTTAAATAATTGTC	--AATTAGGTGGTC	-AATTACGTTTAAATATTTAAGATTTAA				
SARS-CoV-2 Reference Genome NC_045512.2	(4336)		ATC	TATTATCTCTAA	TGAGAAGCAAGAA	ATTCTTGGAACTGTTTCTTGG	AATTTGGGAGAAATGCTT	GCACATGC	AG
		Section 1824							
		(140372)	140372	140382	140393	140404	140415	140426	140437 140448
Candidatus Carsonella ruddii strain BT chromosome...	(140275)		TAATAATAAAAAATAATAATAAAATTTTAGGAATAAA	TAAAA	TTAATAATAAATATTTGTGGATC	-TAAAAATAAAATTT			
Candidatus Carsonella 135557 - 167442nt	(4719)		TAATAATAAAAAATAATAATAAAATTTTAGGAATAAA	TAAAA	TTAATAATAAATATTTGTGGATC	-TAAAAATAAAATTT			
SARS-CoV-2 Reference Genome NC_045512.2	(4413)		AAGAAA	CACGC	AAATTAAT	GCCTGTCTGTGTGG	AACTAAAGCC	ATAGTTTC	ACTATACAGCGT

SARS-CoV-2 & Bakterien.apr

			Section 1825							
	(140449)	140449	140459	140470	140481	140492	140503	140514	140525	
Candidatus Carsonella ruddii strain BT chromosome...	(140351)	AATAAAATATTAAAAATATAAAATTTAAACATTTTAAATAATTTTCTAAAAATATAAATGATTTAATATTTTA								
Candidatus Carsonella 135557 - 167442nt	(4795)	AATAAAATATTAAAAATATAAAATTTAAACATTTTAAATAATTTTCTAAAAATATAAATGATTTAATATTTTA								
SARS-CoV-2 Reference Genome NC_045512.2	(4490)	ATTAAAAATACAGAGGGGTGGTGGATTATGGTGCATGATTTTACCTTTACCCAGTAAAAACAACGTGATGCGTCACT								
			Section 1826							
	(140526)	140526	140536	140547	140558	140569	140580	140591	140602	
Candidatus Carsonella ruddii strain BT chromosome...	(140428)	TTCAAATATAATTAATAAACCTATAATATTAAAGACCATCATATATTATGGAGGAAGCAATATTAAATATATTAATAA								
Candidatus Carsonella 135557 - 167442nt	(4872)	TTCAAATATAATTAATAAACCTATAATATTAAAGACCATCATATATTATGGAGGAAGCAATATTAAATATATTAATAA								
SARS-CoV-2 Reference Genome NC_045512.2	(4567)	TATCAAACACCTTAAACGATC---TAA-ATGAAACTCTTGTACA--ATGCCACTTGCTATGT-AAACATGGCTTA								
			Section 1827							
	(140603)	140603	140613	140624	140635	140646	140657	140668	140679	
Candidatus Carsonella ruddii strain BT chromosome...	(140505)	ACAATA-ATGATTTAATAAAAAATATATAAATAATTTTAAAAAATAATTTTATATATTTTATAGAAAAATTTTAA								
Candidatus Carsonella 135557 - 167442nt	(4949)	ACAATA-ATGATTTAATAAAAAATATATAAATAATTTTAAAAAATAATTTTATATATTTTATAGAAAAATTTTAA								
SARS-CoV-2 Reference Genome NC_045512.2	(4637)	AATTGGGAAGAAGCTGCTCGGTATATGAGATCTCTCAAAATGCCCAGCTACAGTTTCTGTTCTTCACTCTGCTG-								
			Section 1828							
	(140680)	140680	140690	140701	140712	140723	140734	140745	140756	
Candidatus Carsonella ruddii strain BT chromosome...	(140580)	TTAATGCAAAAGAATTTGATTTAGATTTATTAGTAGAAAAAGGAAAAAATAATAAATTTTATATAATTGAACATATA								
Candidatus Carsonella 135557 - 167442nt	(5024)	TTAATGCAAAAGAATTTGATTTAGATTTATTAGTAGAAAAAGGAAAAAATAATAAATTTTATATAATTGAACATATA								
SARS-CoV-2 Reference Genome NC_045512.2	(4713)	TTACAGCGTATAATGGTTATCTT-ACCTCTCTCTAAAA---CACTGAAAGAACATTT---ATTGAACACCATC								
			Section 1829							
	(140757)	140757	140767	140778	140789	140800	140811	140822	140833	
Candidatus Carsonella ruddii strain BT chromosome...	(140657)	GAAATGCTGGTATACATTCAGGA-GATTCCTATGATGATTTATCTACTTTTACTATTAATAAAAAATATTAAAAAGA								
Candidatus Carsonella 135557 - 167442nt	(5101)	GAAATGCTGGTATACATTCAGGA-GATTCCTATGATGATTTATCTACTTTTACTATTAATAAAAAATATTAAAAAGA								
SARS-CoV-2 Reference Genome NC_045512.2	(4781)	TCACTTGCTGGTTCCCTATAAAGATTGTCCTATTCFGACAAATC-TACACA-ACTAGGTATAGAAATTCCTTAAGAGA								
			Section 1830							
	(140834)	140834	140844	140855	140866	140877	140888	140899	140910	
Candidatus Carsonella ruddii strain BT chromosome...	(140733)	AA--ATTATATTTTATATATCTTTAATA-TGTTATAA-ATTAAAAATTAATGG---AATTATAAATTTTCAAATTTG								
Candidatus Carsonella 135557 - 167442nt	(5177)	AA--ATTATATTTTATATATCTTTAATA-TGTTATAA-ATTAAAAATTAATGG---AATTATAAATTTTCAAATTTG								
SARS-CoV-2 Reference Genome NC_045512.2	(4856)	GGTGATAAAGTGATATTAACATAGTAATCCATCCACATTCCACCTAGATGGTGAAGTTATCACTTTGACA---								

		Section 1831							
		(140911)	140911	140921	140932	140943	140954	140965	140976 140987
Candidatus Carsonella ruddii strain BT chromosome...	(140803)		TTTTAAAAA	TTTTATATA	ATAGAA	TGCAATCCT	AGAGTT	CAAGAACA	TACCATTTGTTTCTAAATCTTCTA
Candidatus Carsonella 135557 - 167442nt	(5247)		TTTTAAAAA	TTTTATATA	ATAGAA	TGCAATCCT	AGAGTT	CAAGAACA	TACCATTTGTTTCTAAATCTTCTA
SARS-CoV-2 Reference Genome NC_045512.2	(4930)		TCTTAA	GACACTTC	TTTTCTT	TGAGAGAA	GTGAGGAC	CT--A--	TTAAGGTGTTTACAAACAGTAGACAACAT---TA
		Section 1832							
		(140988)	140988	140998	141009	141020	141031	141042	141053 141064
Candidatus Carsonella ruddii strain BT chromosome...	(140880)		AATTTCTAT	GATATATA	ATTATATATCAAT	TTTTTTAGGAT	TATAATATTTT	TTATAAAGAAAAA	TTAATAATTTT
Candidatus Carsonella 135557 - 167442nt	(5324)		AATTTCTAT	GATATATA	ATTATATATCAAT	TTTTTTAGGAT	TATAATATTTT	TTATAAAGAAAAA	TTAATAATTTT
SARS-CoV-2 Reference Genome NC_045512.2	(4998)		ACCTC	CACACG	CAAGT	TGTGG	ACATG	TCAATGACAT	TATGGACA--ACAGTTTGGTCCAACTTATTTGGATGGAGCTG
		Section 1833							
		(141065)	141065	141075	141086	141097	141108	141119	141130 141141
Candidatus Carsonella ruddii strain BT chromosome...	(140957)		TATTTTTT	TAAAAGAATCTAT	TATTACCAACAAAT	AAATTTAAAA	TAGGTTTAT	TATCACCTGAA	-ATGAAA-TCTAC-
Candidatus Carsonella 135557 - 167442nt	(5401)		TATTTTTT	TAAAAGAATCTAT	TATTACCAACAAAT	AAATTTAAAA	TAGGTTTAT	TATCACCTGAA	-ATGAAA-TCTAC-
SARS-CoV-2 Reference Genome NC_045512.2	(5073)		ATGTT	ACAAAA	TAAACC	TCA	TAAATT	-CACATGAA	GGTAAAACATTTATGTTTACCTAATGATGACCTCTACG
		Section 1834							
		(141142)	141142	141152	141163	141174	141185	141196	141207 141218
Candidatus Carsonella ruddii strain BT chromosome...	(141031)		TGGAGAACTAT	-GAGTATAGGG	CTAACAAAT	CAAGAATGTTTTA	-----	AAAAATCT	CAAAATATAAAATCAAAAA
Candidatus Carsonella 135557 - 167442nt	(5475)		TGGAGAACTAT	-GAGTATAGGG	CTAACAAAT	CAAGAATGTTTTA	-----	AAAAATCT	CAAAATATAAAATCAAAAA
SARS-CoV-2 Reference Genome NC_045512.2	(5149)		TGTTGA	GGCTTT	TGAGTA	CTAC-CAC	ACAACTGATCCTA	GTTTTCTGGGT	AGGTACATGTCAGCATTAAATCACACT
		Section 1835							
		(141219)	141219	141229	141240	141251	141262	141273	141284 141295
Candidatus Carsonella ruddii strain BT chromosome...	(141102)		CAATATTT	TATTAATAC	TAAAAA	---AAT--	TTTTAGAT	TATTAAAT	ATTTAAAAAATATAAAAAATATTAAACTA
Candidatus Carsonella 135557 - 167442nt	(5546)		CAATATTT	TATTAATAC	TAAAAA	---AAT--	TTTTAGAT	TATTAAAT	ATTTAAAAAATATAAAAAATATTAAACTA
SARS-CoV-2 Reference Genome NC_045512.2	(5225)		-AAA	AAGT	GGA	AATAC	CCACAA	GTTAAT	GGTTTAACTCTATTAAATGGGCAAGATAACA
		Section 1836							
		(141296)	141296	141306	141317	141328	141339	141350	141361 141372
Candidatus Carsonella ruddii strain BT chromosome...	(141174)		-ATAGTT	TTTTA	-TAAAAA	AATTTTTT	TGATCCTTCAT	TTTGTTCATATGTT	TAGTAAAAAATAATACATGTA
Candidatus Carsonella 135557 - 167442nt	(5618)		-ATAGTT	TTTTA	-TAAAAA	AATTTTTT	TGATCCTTCAT	TTTGTTCATATGTT	TAGTAAAAAATAATACATGTA
SARS-CoV-2 Reference Genome NC_045512.2	(5301)		CATT	GTTA	ACCTCC	AA	CAAT	AGAGTTGA	-----AGTTTAA

SARS-CoV-2 & Bakterien.apr

			Section 1837							
	(141373)	141373	141383	141394	141405	141416	141427	141438	141449	
Candidatus Carsonella ruddii strain BT chromosome...	(141249)	TTTTATCAAAATAAAATAAATAATATTTGTAATAATTATACTTATTCAACTA-ATTCATCCATTAAATTATTTTATC								
Candidatus Carsonella 135557 - 167442nt	(5693)	TTTTATCAAAATAAAATAAATAATATTTGTAATAATTATACTTATTCAACTA-ATTCATCCATTAAATTATTTTATC								
SARS-CoV-2 Reference Genome NC_045512.2	(5373)	GGG---CTGGTGGAAGCTGCTAACTTTTGTGC-ACCTTAT-CTTAGCCTACTGTATAAAGACAGTAGGTGAGTTAGGTG								
			Section 1838							
	(141450)	141450	141460	141471	141482	141493	141504	141515	141526	
Candidatus Carsonella ruddii strain BT chromosome...	(141325)	ATCTTTTAATAAAAAATTA-----TTATATAATAAGAAAAATAAATAATATTAAACCGAAATGGTGAAA-TGGTATA								
Candidatus Carsonella 135557 - 167442nt	(5769)	ATCTTTTAATAAAAAATTA-----TTATATAATAAGAAAAATAAATAATATTAAACCGAAATGGTGAAA-TGGTATA								
SARS-CoV-2 Reference Genome NC_045512.2	(5445)	ATGTTAGAGAAACAAATGAGTTTACTTTGTTTCAACATGCCAATTTAGATTCTTGCAGAAAGAG-TCTTGAAACGTGGTGTG								
			Section 1839							
	(141527)	141527	141537	141548	141559	141570	141581	141592	141603	
Candidatus Carsonella ruddii strain BT chromosome...	(141396)	CACCTTTACTTTGAGAGAGTAATGGATTTTTTATCCATACGGGTTCAATTCCCGTTTTCGGTAAAAAAAATATGAAAA								
Candidatus Carsonella 135557 - 167442nt	(5840)	CACCTTTACTTTGAGAGAGTAATGGATTTTTTATCCATACGGGTTCAATTCCCGTTTTCGGTAAAAAAAATATGAAAA								
SARS-CoV-2 Reference Genome NC_045512.2	(5521)	TAAA--ACTTGTGGACAACAGCAGACA-----ACCCCTAAGGGTGTAGAAGCTGTTAT--GTACA-----TGGGCACA								
			Section 1840							
	(141604)	141604	141614	141625	141636	141647	141658	141669	141680	
Candidatus Carsonella ruddii strain BT chromosome...	(141473)	ATTTTTATATCAATGAGATAAATTCTATTAAAGAAATATCTGAAATAATAGGAATAAGCAAATAGATTTTAATAAAA								
Candidatus Carsonella 135557 - 167442nt	(5917)	ATTTTTATATCAATGAGATAAATTCTATTAAAGAAATATCTGAAATAATAGGAATAAGCAAATAGATTTTAATAAAA								
SARS-CoV-2 Reference Genome NC_045512.2	(5585)	CTTTC-T-T-----ATGA-ACAATT--TAAGAAAGG-TGTTTCAGATACCTTG----TACGTGTGGTAACAAGCTACAA								
			Section 1841							
	(141681)	141681	141691	141702	141713	141724	141735	141746	141757	
Candidatus Carsonella ruddii strain BT chromosome...	(141550)	AATTTTTTTTTTTAA-AGGTATAATAAATTAAAAAAATGAATTTTTTAAATTTTCAACAGTAAAGATTTATG-TAAA								
Candidatus Carsonella 135557 - 167442nt	(5994)	AATTTTTTTTTTTAA-AGGTATAATAAATTAAAAAAATGAATTTTTTAAATTTTCAACAGTAAAGATTTATG-TAAA								
SARS-CoV-2 Reference Genome NC_045512.2	(5649)	AATATCTAGTACAAACAGGAGTCACTTTTGTTATGATGTCAGCACCACTTGCAGTATGAACTTAAGCATGGTACA								
			Section 1842							
	(141758)	141758	141768	141779	141790	141801	141812	141823	141834	
Candidatus Carsonella ruddii strain BT chromosome...	(141625)	AATATTTTTTAAATA-TAAATATTTTAAAAA--AAGAAAAACAAATTTTAAATAATACCATCTTTAAATAATTTTTT								
Candidatus Carsonella 135557 - 167442nt	(6069)	AATATTTTTTAAATA-TAAATATTTTAAAAA--AAGAAAAACAAATTTTAAATAATACCATCTTTAAATAATTTTTT								
SARS-CoV-2 Reference Genome NC_045512.2	(5726)	TTTACTTGTGCTAGTGAAGTACACTGGTAAATACCAAGTGTGGTCACTATAAACATATAACTCTTAAGAAACCTTTGTA								

SARS-CoV-2 & Bakterien.apr

		Section 1843									
		(141835)	141835	141845	141856	141867	141878	141889	141900	141911	
Candidatus Carsonella ruddii strain BT chromosome...	(141699)	TTATATTTCTATAAAGGAAATGTTAATTC-TGGTAAACAACTTTAATAGATTTTATATTTAAAAAAAATATTTCT									
Candidatus Carsonella 135557 - 167442nt	(6143)	TTATATTTCTATAAAGGAAATGTTAATTC-TGGTAAACAACTTTAATAGATTTTATATTTAAAAAAAATATTTCT									
SARS-CoV-2 Reference Genome NC_045512.2	(5803)	TTGCATAGACGGTGCTTTACTTACAAAGTCTCAGAAATACAAAGGTCCATTACGGATGTTTCTTACAAAGAAACA									
		Section 1844									
		(141912)	141912	141922	141933	141944	141955	141966	141977	141988	
Candidatus Carsonella ruddii strain BT chromosome...	(141775)	TTTAATGAATTTGGTAAAATTACACAATTTGTTCAATTTTGAAACTTTTATTAATAAAAAAATATTTTATTTT									
Candidatus Carsonella 135557 - 167442nt	(6219)	TTTAATGAATTTGGTAAAATTACACAATTTGTTCAATTTTGAAACTTTTATTAATAAAAAAATATTTTATTTT									
SARS-CoV-2 Reference Genome NC_045512.2	(5880)	GTTACACAAACA----ACCATAAACAGTTACTTATAAATTGGATGGTGTGTGTTGTACAGAGAAATGACCCTAAGTT									
		Section 1845									
		(141989)	141989	141999	142010	142021	142032	142043	142054	142065	
Candidatus Carsonella ruddii strain BT chromosome...	(141852)	CGATTTACCTGGTCACAAAATATTTAATAAAAAATAAATAAACTTTTATTAAATAAGTAAT-ATTTTATTTT-TAAT									
Candidatus Carsonella 135557 - 167442nt	(6296)	CGATTTACCTGGTCACAAAATATTTAATAAAAAATAAATAAACTTTTATTAAATAAGTAAT-ATTTTATTTT-TAAT									
SARS-CoV-2 Reference Genome NC_045512.2	(5953)	GGA-----CAA-----TTATTTATAGAAAGACAAATCTTATTTCACAGAGCAACCAATTGATCTTGTAAC									
		Section 1846									
		(142066)	142066	142076	142087	142098	142109	142120	142131	142142	
Candidatus Carsonella ruddii strain BT chromosome...	(141927)	AAT-----ATCTTCAGAAATCAGATAATGATAATGTATATGATAATATATTAGAA-ATAAAAAAACAAAATAATATT									
Candidatus Carsonella 135557 - 167442nt	(6371)	AAT-----ATCTTCAGAAATCAGATAATGATAATGTATATGATAATATATTAGAA-ATAAAAAAACAAAATAATATT									
SARS-CoV-2 Reference Genome NC_045512.2	(6013)	AAACCAACCATAATCCAAACGCAAGCTTCGATAAATT-TAAGTTGTGTATGTATTAATATCAAAATTTGCTGATGATTTA									
		Section 1847									
		(142143)	142143	142153	142164	142175	142186	142197	142208	142219	
Candidatus Carsonella ruddii strain BT chromosome...	(141997)	AATATTATTATTTGTTTAAACAAAATAGATAAAAAAATAAAAAATTTTATTTAAAAGAAAACAAAATTTTAAAAAT									
Candidatus Carsonella 135557 - 167442nt	(6441)	AATATTATTATTTGTTTAAACAAAATAGATAAAAAAATAAAAAATTTTATTTAAAAGAAAACAAAATTTTAAAAAT									
SARS-CoV-2 Reference Genome NC_045512.2	(6089)	AAACCAAGTTAATGTTTATAAAGAAACCTGCTTCAGAGAGGCTTAAAGTTACATTTTCCCTGACTTAAATGGTGTGT									
		Section 1848									
		(142220)	142220	142230	142241	142252	142263	142274	142285	142296	
Candidatus Carsonella ruddii strain BT chromosome...	(142074)	TTCTGCTAAAAATGGATTAAATATTAAAAAAC---TTTTAAATAGAACTCTATTAATTCTTTTAATTTAATTAAAAATA									
Candidatus Carsonella 135557 - 167442nt	(6518)	TTCTGCTAAAAATGGATTAAATATTAAAAAAC---TTTTAAATAGAACTCTATTAATTCTTTTAATTTAATTAAAAATA									
SARS-CoV-2 Reference Genome NC_045512.2	(6166)	GGTGCTATTGATTA--TAAACACTACACCTCTCTTTTAAAGAAAGGAGCTAATTG-----TTACAATAAACCTA									

SARS-CoV-2 & Bakterien.apr

		Section 1849								
		(142297)	142297	142307	142318	142329	142340	142351	142362	142373
Candidatus Carsonella ruddii strain BT chromosome...	(142148)	TTAATTTTAATGGAAGAAGATTATAATGGAATTATTGTAATAAGTTATTTGTAATAAATAATTTTTTTTATACAACTTTA								
Candidatus Carsonella 135557 - 167442nt	(6592)	TTAATTTTAATGGAAGAAGATTATAATGGAATTATTGTAATAAGTTATTTGTAATAAATAATTTTTTTTATACAACTTTA								
SARS-CoV-2 Reference Genome NC_045512.2	(6234)	TTG-TTT---GGCA--TGTTAAACAATGCAACTAATAAAGCCACGTATAAACCAAATACCCTGGTGT-ATACGT-TGTC								
		Section 1850								
		(142374)	142374	142384	142395	142406	142417	142428	142439	142450
Candidatus Carsonella ruddii strain BT chromosome...	(142225)	TTTTTTATTA-AAAGGTATTTTAAAAGTTAA--TAATTTTATTTATTTTAAAAAATAAAAAAATATTAATTGATAATAT								
Candidatus Carsonella 135557 - 167442nt	(6669)	TTTTTTATTA-AAAGGTATTTTAAAAGTTAA--TAATTTTATTTATTTTAAAAAATAAAAAAATATTAATTGATAATAT								
SARS-CoV-2 Reference Genome NC_045512.2	(6303)	TTTGGAGCACAAAACCAAGTTGAAACATCAATTCGTTTGATGACTG---AAGTCAGAGGACGCGCAGGGGATGGAT								
		Section 1851								
		(142451)	142451	142461	142472	142483	142494	142505	142516	142527
Candidatus Carsonella ruddii strain BT chromosome...	(142299)	AATGTGTTAACCAATTTTAATGTAAAAAGAATGTGTTTCTCCTGTGATATTTTGTAGTTAAAAATATTAGTTTCCCAATTG								
Candidatus Carsonella 135557 - 167442nt	(6743)	AATGTGTTAACCAATTTTAATGTAAAAAGAATGTGTTTCTCCTGTGATATTTTGTAGTTAAAAATATTAGTTTCCCAATTG								
SARS-CoV-2 Reference Genome NC_045512.2	(6377)	AATC-TTGCCTGCGAAGATCTAAAAACAG----T-CTC--TGAGAGAG--TAGTGGAAAATCCATCCATACAGAAAG								
		Section 1852								
		(142528)	142528	142538	142549	142560	142571	142582	142593	142604
Candidatus Carsonella ruddii strain BT chromosome...	(142376)	ATTTTATTTTGTAGTTTAAAAAAATAATGATATTTTATATCTGAAGATATTTATAAAGAAAAATATCATATTTT								
Candidatus Carsonella 135557 - 167442nt	(6820)	ATTTTATTTTGTAGTTTAAAAAAATAATGATATTTTATATCTGAAGATATTTATAAAGAAAAATATCATATTTT								
SARS-CoV-2 Reference Genome NC_045512.2	(6444)	ACGTTCTTGAGTGTAACTGTGAAAACTACCAGAGTTGT---AGGAGACATATATCTTAAACCAAGCAATATAAGTTT-								
		Section 1853								
		(142605)	142605	142615	142626	142637	142648	142659	142670	142681
Candidatus Carsonella ruddii strain BT chromosome...	(142453)	GATAACTTATATATAAAATCAGATAATCATACTATTTCTGTGCTATAGAAGATTATTATAATAATTTAAATTTTAA								
Candidatus Carsonella 135557 - 167442nt	(6897)	GATAACTTATATATAAAATCAGATAATCATACTATTTCTGTGCTATAGAAGATTATTATAATAATTTAAATTTTAA								
SARS-CoV-2 Reference Genome NC_045512.2	(6517)	-AAAAATTACAGAGAGGTTTGCCACAAGATCTAATGCTGCTTATGTAGACAATTCTAGTCT--TTACTATTAAAG								
		Section 1854								
		(142682)	142682	142692	142703	142714	142725	142736	142747	142758
Candidatus Carsonella ruddii strain BT chromosome...	(142530)	TAATAAATTAACTTATTAAAAATTTCTTTAGGTAATTTTACAAATATCTGATTTTAAATATTGTTTAAATTTTAAAT								
Candidatus Carsonella 135557 - 167442nt	(6974)	TAATAAATTAACTTATTAAAAATTTCTTTAGGTAATTTTACAAATATCTGATTTTAAATATTGTTTAAATTTTAAAT								
SARS-CoV-2 Reference Genome NC_045512.2	(6590)	AAACCTAATGAA-TTATCTAGAGT---ATTAGGT----TTGAAACCT--TGCTAATCTATGTTTAACTGCTGCTT-								

		Section 1855																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	(142759)	142759	142769	142780	142791	142802	142813	142824	142835																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Candidatus Carsonella ruddii strain BT chromosome...	(142607)	GTAA	AATAT	TATTA	ATTGGT	TGTTGA	ATTAGAT	TATAT	CATAAAAAAAGAAATTGTTAAAA	AAAAATATTTT	TTTAT	AAAA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Candidatus Carsonella 135557 - 167442nt	(7051)	GTAA	AATAT	TATTA	ATTGGT	TGTTGA	ATTAGAT	TATAT	CATAAAAAAAGAAATTGTTAAAA	AAAAATATTTT	TTTAT	AAAA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SARS-CoV-2 Reference Genome NC_045512.2	(6656)	----	AATA	G	TG	TCCC	T	TGGG	GAT	ACT	AT-	AGCT	AAT----	TA	TGCT	AAG	CCT	TT	TC	T	TAA	C	AAAG	T	TG	TT	AG	T	A	C	A	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		Section 1856																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	(142836)	142836	142846	142857	142868	142879	142890	142901	142912																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Candidatus Carsonella ruddii strain BT chromosome...	(142684)	GA	ATT	TAA	ATTA	-AT	GAT	TGT--	AAT	CGAT	TTTTT	T	TAA	TAA	AAAT	T	TATA	ATT	TG	TAA	TAA	ATT	T	AG	AA	T	A	ATT	T	A	C	A	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Candidatus Carsonella 135557 - 167442nt	(7128)	GA	ATT	TAA	ATTA	-AT	GAT	TGT--	AAT	CGAT	TTTTT	T	TAA	TAA	AAAT	T	TATA	ATT	TG	TAA	TAA	ATT	T	AG	AA	T	A	ATT	T	A	C	A	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
SARS-CoV-2 Reference Genome NC_045512.2	(6724)	T	A	C--	TAA	C	A	T	A	G	T	T	A	C	A	G	T	T	T	G	T	A	C	TAA	---	T	T	A	T	A	T	G	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Section 1857																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	(142913)	142913	142923	142934	142945	142956	142967	142978	142989																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Candidatus Carsonella ruddii strain BT chromosome...	(142758)	T	G	G	A	G	A	A	T	T	A	A	T	T	A	T	A	A	A	G	A	T	T	T	T	C	C	A	T	G	T	G	G	T	A	A	A	A	A	G	G	T	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Candidatus Carsonella 135557 - 167442nt	(7202)	T	G	G	A	G	A	A	T	T	A	A	T	T	A	T	A	A	A	G	A	T	T	T	T	C	C	A	T	G	T	G	G	T	A	A	A	A	A	A	G	G	T	T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SARS-CoV-2 Reference Genome NC_045512.2	(6795)	T--	A	C	A	A	T	G	T	G	T	A	C	T	T	T	T	A	C	T	A	G	A	G	T	A	C	A	A	T	T	C	A	G	A	A	T	T	A	A	A	G	A	A	T	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Section 1858																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	(142990)	142990	143000	143011	143022	143033	143044	143055	143066																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Candidatus Carsonella ruddii strain BT chromosome...	(142835)	A	T	T	T	A	G	A	A	A	T	T	G	A	A	A	A	T	A	T	A	A	A	T	A	T	A	A	A	A	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

SARS-CoV-2 & Bakterien.apr

		Section 1861								
		(143221)	143221	143231	143242	143253	143264	143275	143286	143297
Candidatus Carsonella ruddii strain BT chromosome...	(143065)	AAAAAGTTCAAAATTATTTTTTAATAAAAAAATTAAAAAAAATAAAAATTTTCATTTTTTTAAATAACAAAAAAGATTTAA								
Candidatus Carsonella 135557 - 167442nt	(7509)	AAAAAGTTCAAAATTATTTTTTAATAAAAAAATTAAAAAAAATAAAAATTTTCATTTTTTTAAATAACAAAAAAGATTTAA								
SARS-CoV-2 Reference Genome NC_045512.2	(7086)	CTAAATGTCATATTGCAACCTACTGTACTGGTTCTATACCTTGTAGTGT--TTGTCCTTAGT-----GTTTAG								
		Section 1862								
		(143298)	143298	143308	143319	143330	143341	143352	143363	143374
Candidatus Carsonella ruddii strain BT chromosome...	(143142)	AATGTAAAATTAAATATAAATAAATAAATTTTAAAAATTAAAAAAAATATTAATTT-TATGAAAAATTTATTATAATT								
Candidatus Carsonella 135557 - 167442nt	(7586)	AATGTAAAATTAAATATAAATAAATAAATTTTAAAAATTAAAAAAAATATTAATTT-TATGAAAAATTTATTATAATT								
SARS-CoV-2 Reference Genome NC_045512.2	(7152)	ATTCT-----TTAGACACCTATCCCTTCCTTAGAACT-ATACAAATTAACCATTTCACTCTTTAAATGGGATTTAAC								
		Section 1863								
		(143375)	143375	143385	143396	143407	143418	143429	143440	143451
Candidatus Carsonella ruddii strain BT chromosome...	(143218)	TTTTTATGTTTTTTTTTAAAAAATAATTTAAAAAATATTGGATTTTTTAAATTTTAAAAAATAAAATAATTAATTT								
Candidatus Carsonella 135557 - 167442nt	(7662)	TTTTTATGTTTTTTTTTAAAAAATAATTTAAAAAATATTGGATTTTTTAAATTTTAAAAAATAAAATAATTAATTT								
SARS-CoV-2 Reference Genome NC_045512.2	(7223)	GCTTTTGGCTTAGTTGCAGAGTGGTTTTTTGGCATA--TATTCTTTTACATAGGTTTTCCTATG---TACTTTGGATT-								
		Section 1864								
		(143452)	143452	143462	143473	143484	143495	143506	143517	143528
Candidatus Carsonella ruddii strain BT chromosome...	(143295)	GGTATTGATCCTACATTT-TACTCAATTCATTTAGGTCATTTTTTTATTATAAATTTTTTTTTTTATTTGTTAAAAA								
Candidatus Carsonella 135557 - 167442nt	(7739)	GGTATTGATCCTACATTT-TACTCAATTCATTTAGGTCATTTTTTTATTATAAATTTTTTTTTTTATTTGTTAAAAA								
SARS-CoV-2 Reference Genome NC_045512.2	(7294)	GGCTGCAATCATGCAATTTGTTTTTCAGCTATTTTGCAGTACATTTTATTAGTAATTCTTGGCTTATGTGGTTAAATAA								
		Section 1865								
		(143529)	143529	143539	143550	143561	143572	143583	143594	143605
Candidatus Carsonella ruddii strain BT chromosome...	(143371)	AAAATTTTTTATTTGTAAATTATAATAGGTGATTTCACTACTATCTTAAAAAATAAATAAATCAG-ATATTAT								
Candidatus Carsonella 135557 - 167442nt	(7815)	AAAATTTTTTATTTGTAAATTATAATAGGTGATTTCACTACTATCTTAAAAAATAAATAAATCAG-ATATTAT								
SARS-CoV-2 Reference Genome NC_045512.2	(7371)	TTAATCTTGTAAC----AAATGGCCCCG---ATTTCA--GCTATGGTTAGAAATGTAACATCTTCTTTGCAATCATTAT								
		Section 1866								
		(143606)	143606	143616	143627	143638	143649	143660	143671	143682
Candidatus Carsonella ruddii strain BT chromosome...	(143447)	TTTAAATTCATTTGTTTAAAATCTCAATTTTATAATATATTAGGAGATGTTTATATTTTTTTAAATTCATATGGA								
Candidatus Carsonella 135557 - 167442nt	(7891)	TTTAAATTCATTTGTTTAAAATCTCAATTTTATAATATATTAGGAGATGTTTATATTTTTTTAAATTCATATGGA								
SARS-CoV-2 Reference Genome NC_045512.2	(7439)	TATGTATGGAAA-GTT----ATGTGCATGTTGTAG-ACGGTGTCAATTCATCAACTTGTATGATGTGTTACAACG								

SARS-CoV-2 & Bakterien.apr

		Section 1867									
	(143683)	143683	143693	143704	143715	143726	143737	143748	143759		
Candidatus Carsonella ruddii strain BT chromosome...	(143524)	TATATAAA	AAAAATTT	TTTTTT	TTTTTAA	AAATATTT	TAAT-T	TATTAAT	GTTAAT	AAATATAT	TC
Candidatus Carsonella 135557 - 167442nt	(7968)	TATATAAA	AAAAATTT	TTTTTT	TTTTTAA	AAATATTT	TAAT-T	TATTAAT	GTTAAT	AAATATAT	TC
SARS-CoV-2 Reference Genome NC_045512.2	(7510)	TA-ATA	GAGCAACAA	GAGT	CGAA	TGTAC	AACTAT	TGTTAAT	GGTGT	TTAAGAGG	TCC
		TTT-	TATG	TC	TAT	GCT	AAT	GG			
		Section 1868									
	(143760)	143760	143770	143781	143792	143803	143814	143825	143836		
Candidatus Carsonella ruddii strain BT chromosome...	(143600)	AAAAAT	TAGATAT	TTTTTG	CAAAA	AAATTAA	CATAA	ATAAT	TATTTAT	CCTTT	TATT
Candidatus Carsonella 135557 - 167442nt	(8044)	AAAAAT	TAGATAT	TTTTTG	CAAAA	AAATTAA	CATAA	ATAAT	TATTTAT	CCTTT	TATT
SARS-CoV-2 Reference Genome NC_045512.2	(7585)	AGGTAA	AAG---	GCTTTTG	CAAACT	ACAC	AA	TTGG	AAT	TGT	GTTA
		ATT	GT	GAT	AC	ATT	CT	GT	GCT	TGG	TAG
		TAC	ATT	T							
		Section 1869									
	(143837)	143837	143847	143858	143869	143880	143891	143902	143913		
Candidatus Carsonella ruddii strain BT chromosome...	(143677)	TTATTAAT	--GTT	TATAGAA	TAGGTGG	TATAGAT	CAATTG	TTGAAT	TG-T	TATT	TG
Candidatus Carsonella 135557 - 167442nt	(8121)	TTATTAAT	--GTT	TATAGAA	TAGGTGG	TATAGAT	CAATTG	TTGAAT	TG-T	TATT	TG
SARS-CoV-2 Reference Genome NC_045512.2	(7659)	TTAGT	GATGAA	GTTG	CGAGAG	ACT	TG	TCAC	TA	CAGT	TTAA
		AG	CA	AA	G	CC	AA	T	AA	A	T
		CC	TA	C	T	G	ACC	AG	T	C	T
		T	C	T	T	C	A	T	C		
		Section 1870									
	(143914)	143914	143924	143935	143946	143957	143968	143979	143990		
Candidatus Carsonella ruddii strain BT chromosome...	(143751)	ATTTT	TAAAAA	AAAAAC	AAATTT	TAATTT	GT	TTTT	TATT	TAGAAAA	AAAT
Candidatus Carsonella 135557 - 167442nt	(8195)	ATTTT	TAAAAA	AAAAAC	AAATTT	TAATTT	GT	TTTT	TATT	TAGAAAA	AAAT
SARS-CoV-2 Reference Genome NC_045512.2	(7736)	GTT	GAT	AGT	GAA	GAAT	GGT	CCA	T	CCAT	CTT
		AC	TT	T	GA	T	AAA	G	CT	GG	T
		CA	AAA	G	CT	TT	ATG	AA	G	CA	T
		TT	ATG	AA	G	CA	T				
		Section 1871									
	(143991)	143991	144001	144012	144023	144034	144045	144056	144067		
Candidatus Carsonella ruddii strain BT chromosome...	(143828)	AAGT	TTTT	----	TTTT	TATAA	TAAAA	AAATTT	TAGATT	TAAT	TTTAT
Candidatus Carsonella 135557 - 167442nt	(8272)	AAGT	TTTT	----	TTTT	TATAA	TAAAA	AAATTT	TAGATT	TAAT	TTTAT
SARS-CoV-2 Reference Genome NC_045512.2	(7813)	TTC	TCT	TCT	CA	TTTT	GT	TAA	CT	TAG	CA
		AA	CC	T	G	AG	GC	TA	AT	AA	CA
		CT	---	AAA	GG	TT	CA	TT	GC	CT	AT
		TAA	TGT	TA							
		Section 1872									
	(144068)	144068	144078	144089	144100	144111	144122	144133	144144		
Candidatus Carsonella ruddii strain BT chromosome...	(143901)	TT	TTTT	AAA	AGTT	TACAAAA	AAAA	----	AAAA	TTTAT	TTTT
Candidatus Carsonella 135557 - 167442nt	(8345)	TT	TTTT	AAA	AGTT	TACAAAA	AAAA	----	AAAA	TTTAT	TTTT
SARS-CoV-2 Reference Genome NC_045512.2	(7887)	TAG	TTTT	TG	AT	GTA	ATC	AAAA	TGTG	AA	GA

SARS-CoV-2 & Bakterien.apr

		Section 1873							
		(144145)	144145	144155	144166	144177	144188	144199	144210 144221
Candidatus Carsonella ruddii strain BT chromosome...	(143972)	TAAAAAATATTTTTTTTAAAAAAGAAATATTTAAGTTTATTATTTAAAAAATATTTTCAAAATAATAAAATT							
Candidatus Carsonella 135557 - 167442nt	(8416)	TAAAAAATATTTTTTTTAAAAAAGAAATATTTAAGTTTATTATTTAAAAAATATTTTCAAAATAATAAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(7964)	CAACCTATACGTTTAC TAGATCAGGCATTAGTGTCTGA-TGTTGGTGATAGTGCGGAAGTTGCAGTATA--AAA----							
		Section 1874							
		(144222)	144222	144232	144243	144254	144265	144276	144287 144298
Candidatus Carsonella ruddii strain BT chromosome...	(144049)	TGTTTAATAATAATATTTATAAAAAAATTATTTATTTT--TAAAAAATTAAATAAAAAAATTTTATTAAAA							
Candidatus Carsonella 135557 - 167442nt	(8493)	TGTTTAATAATAATATTTATAAAAAAATTATTTATTTT--TAAAAAATTAAATAAAAAAATTTTATTAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(8034)	TGTTTGATGCTTACGTTATA CGTTTTCATCACCTTTAACGTACCAA TGGAA AAACTCAAA CAC TAGTTGCAACT							
		Section 1875							
		(144299)	144299	144309	144320	144331	144342	144353	144364 144375
Candidatus Carsonella ruddii strain BT chromosome...	(144124)	AAAACAAATGTATAATTAAAAATTTTTTCATATTTATTTATATGATAAATAAAATTTTACTTTTTCTAAAAA							
Candidatus Carsonella 135557 - 167442nt	(8568)	AAAACAAATGTATAATTAAAAATTTTTTCATATTTATTTATATGATAAATAAAATTTTACTTTTTCTAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(8111)	GCAAGAGCTGAACCTTGC AAAGAATGTGCTAG-A CAATGCTATCTA CTTTATTTCA GCAGCTCGGC AAGGTT							
		Section 1876							
		(144376)	144376	144386	144397	144408	144419	144430	144441 144452
Candidatus Carsonella ruddii strain BT chromosome...	(144201)	ATCTTTTCTTAGGTTTC----CTCCAGATCCAAATGGATTTTTCATATAGGACATGTTTTAACATATTAATTAAT							
Candidatus Carsonella 135557 - 167442nt	(8645)	ATCTTTTCTTAGGTTTC----CTCCAGATCCAAATGGATTTTTCATATAGGACATGTTTTAACATATTAATTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(8187)	TTGTTGATTCAGATGTAGAAA CTAAAGATGTTGTGTAATGCTTAAATTTGTCACATCAATCTGACATAGAAGTTACT							
		Section 1877							
		(144453)	144453	144463	144474	144485	144496	144507	144518 144529
Candidatus Carsonella ruddii strain BT chromosome...	(144274)	TTTTATTTATCAATTAAATAAAAGGAAAATTTATATTAAGATTTTGATAACACAAATTTAAAAAATTATAATTATT							
Candidatus Carsonella 135557 - 167442nt	(8718)	TTTTATTTATCAATTAAATAAAAGGAAAATTTATATTAAGATTTTGATAACACAAATTTAAAAAATTATAATTATT							
SARS-CoV-2 Reference Genome NC_045512.2	(8264)	GGCGATAGTTGTATAAATAAT--GCTCACCTATATAACAA-AGTTGA AACA TGA---CA CCCCCGTGACCTTGGTGC							
		Section 1878							
		(144530)	144530	144540	144551	144562	144573	144584	144595 144606
Candidatus Carsonella ruddii strain BT chromosome...	(144351)	TTTTTATAAATTTTATACAATATGATTTATTTATGTTAGGTATAAAA TGGAA TAAAAATAATTATTTTAAATTATA							
Candidatus Carsonella 135557 - 167442nt	(8795)	TTTTTATAAATTTTATACAATATGATTTATTTATGTTAGGTATAAAA TGGAA TAAAAATAATTATTTTAAATTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(8335)	TTGTATTGACTGTAGTGCGCTCATAT-TAATGCGCAGGTAGC AAAA--AGTCA CAA CATTGCTTTGATATGGAACG							

		Section 1879							
	(144607)	144607	144617	144628	144639	144650	144661	144672	144683
Candidatus Carsonella ruddii strain BT chromosome...	(144428)	TAAATAAATTTTATTTTCATTTTGT	TTTTTATTTTAA	AAAAATTA	AAAAATTTATTTT	AAAAAAATTAATTTTAAT			
Candidatus Carsonella 135557 - 167442nt	(8872)	TAAATAAATTTTATTTTCATTTTGT	TTTTTATTTTAA	AAAAATTA	AAAAATTTATTTT	AAAAAAATTAATTTTAAT			
SARS-CoV-2 Reference Genome NC_045512.2	(8409)	TTAAAGATTTTCATGTCAT--TGTCTGAACAAC	TACGAAAACAAATACGTAGTGCTGCT	AAAAAGAA	TAACTTACCT				
		Section 1880							
	(144684)	144684	144694	144705	144716	144727	144738	144749	144760
Candidatus Carsonella ruddii strain BT chromosome...	(144505)	AGAATTAAATTTTAATTATTTAAATTA	AAAAAATAATTAATTTTATTTT	TTTAA	AAATGATTTTTTTTAA	AAAAA			
Candidatus Carsonella 135557 - 167442nt	(8949)	AGAATTAAATTTTAATTATTTAAATTA	AAAAAATAATTAATTTTATTTT	TTTAA	AAATGATTTTTTTTAA	AAAAA			
SARS-CoV-2 Reference Genome NC_045512.2	(8483)	T---TTAAGTTGACATGTGCAAC	TAC	TAGACAA	GTGTGTAACA	----ACAAAGAT	-----AGCACT		
		Section 1881							
	(144761)	144761	144771	144782	144793	144804	144815	144826	144837
Candidatus Carsonella ruddii strain BT chromosome...	(144582)	TTATTTTGT	TTTTTTTATTAA	AAAAAAATTAATTTT	TAGAA	TTAAAAA	AAATCAT	TGGAATATTTTT	CCTA
Candidatus Carsonella 135557 - 167442nt	(9026)	TTATTTTGT	TTTTTTTATTAA	AAAAAAATTAATTTT	TAGAA	TTAAAAA	AAATCAT	TGGAATATTTTT	CCTA
SARS-CoV-2 Reference Genome NC_045512.2	(8545)	TAAAGGGTGGTAAAA	TTGTTAA	T-----AAT	TGGTTGAAGCAG	TTAA	TTAAAGTTACA	-CTTGTGTTCC	TTTTTGTG
		Section 1882							
	(144838)	144838	144848	144859	144870	144881	144892	144903	144914
Candidatus Carsonella ruddii strain BT chromosome...	(144659)	CTTATGATTTACACAAAGTATTAATG	ATTATTTAATAATATAAATGTTT	CTATTTGTACAAAGAA	TTTTTAAAT				
Candidatus Carsonella 135557 - 167442nt	(9103)	CTTATGATTTACACAAAGTATTAATG	ATTATTTAATAATATAAATGTTT	CTATTTGTACAAAGAA	TTTTTAAAT				
SARS-CoV-2 Reference Genome NC_045512.2	(8616)	CTGCTATTTTCATTTTAA	TACACC	TGTTTCATGTCATAGTC	TAAACAT	---ACTGACTTTT	CAGTGAAATC	---AT	
		Section 1883							
	(144915)	144915	144925	144936	144947	144958	144969	144980	144991
Candidatus Carsonella ruddii strain BT chromosome...	(144736)	AATGTTAAATATATAACTATTTT	TTTAAATATTTAAAAA	AAATCTATCAATAGAA	TTTTCTAA	AAAAAATTT			
Candidatus Carsonella 135557 - 167442nt	(9180)	AATGTTAAATATATAACTATTTT	TTTAAATATTTAAAAA	AAATCTATCAATAGAA	TTTTCTAA	AAAAAATTT			
SARS-CoV-2 Reference Genome NC_045512.2	(8686)	AGGATACAAAGGCAT	TGATGGTGGTGTCACTCGTGACATA	GC--ATCTACAGATA	CTTGT	TTTGCTAA	CAACATGC		
		Section 1884							
	(144992)	144992	145002	145013	145024	145035	145046	145057	145068
Candidatus Carsonella ruddii strain BT chromosome...	(144813)	TAAAAAATATAAATTCTAA	AGAAAAATAAAAA	TATTTT	TTTAAATATATTTT	TATTTTAAAAA	ATAGGTT		
Candidatus Carsonella 135557 - 167442nt	(9257)	TAAAAAATATAAATTCTAA	AGAAAAATAAAAA	TATTTT	TTTAAATATATTTT	TATTTTAAAAA	ATAGGTT		
SARS-CoV-2 Reference Genome NC_045512.2	(8761)	TGATTTTGAACA	TGGTTTAGCC	-AGCGTGGTGGT	AGTATAC	TAAAGCAAGC	TTGCCCAT	TGATTGCTGCA	GTC

SARS-CoV-2 & Bakterien.apr

		Section 1885									
		(145069)	145069	145079	145090	145101	145112	145123	145134	145145	
Candidatus Carsonella ruddii strain BT chromosome...	(144890)	TTAAATCCAAAAAATTTTATTTTTTATGTAATATAAATGGTGTTTTCAAAAAATAATATCTTTTATTGATTATAAAAAA									
Candidatus Carsonella 135557 - 167442nt	(9334)	TTAAATCCAAAAAATTTTATTTTTTATGTAATATAAATGGTGTTTTCAAAAAATAATATCTTTTATTGATTATAAAAAA									
SARS-CoV-2 Reference Genome NC_045512.2	(8837)	ATAA--CAAAGAGAGTGGGTTTTGTTCG-----TGCCGGGTGTGCCGTCGACATAT----TACGCACAACTAATGG									
		Section 1886									
		(145146)	145146	145156	145167	145178	145189	145200	145211	145222	
Candidatus Carsonella ruddii strain BT chromosome...	(144967)	ATTATTTTATCATTGAAAATTGAAAATAAATTTTTTAGAAAAATGTTTTTTATTGTTAAAAATTATATTAAAAATTT									
Candidatus Carsonella 135557 - 167442nt	(9411)	ATTATTTTATCATTGAAAATTGAAAATAAATTTTTTAGAAAAATGTTTTTTATTGTTAAAAATTATATTAAAAATTT									
SARS-CoV-2 Reference Genome NC_045512.2	(8902)	TGACTTTTTTGCACTTCTTAACCTAGAG---GTTTTTAGTGCAGTTGGTAACATCTGTTACACCACT--CAAAACTTA									
		Section 1887									
		(145223)	145223	145233	145244	145255	145266	145277	145288	145299	
Candidatus Carsonella ruddii strain BT chromosome...	(145044)	AAAAAAAATTTAATAATTAGTATTTTGTAAATGAAAAAAATATTAATTTAAAAATTGAATAATTTTTTAATAAATA									
Candidatus Carsonella 135557 - 167442nt	(9488)	AAAAAAAATTTAATAATTAGTATTTTGTAAATGAAAAAAATATTAATTTAAAAATTGAATAATTTTTTAATAAATA									
SARS-CoV-2 Reference Genome NC_045512.2	(8973)	TAGAGTACACTGACTTTTGCAACATCAGCTTG--TG-----TTTGGCTGCTGAATGTACAAATTTTT----AAAGA									
		Section 1888									
		(145300)	145300	145310	145321	145332	145343	145354	145365	145376	
Candidatus Carsonella ruddii strain BT chromosome...	(145121)	AAATAATAAAAAAAGTTTAAATAAGTTTAAATTATTCAAATTTAAAAAAAATTTTATTATTTAAAAAAAATATTT									
Candidatus Carsonella 135557 - 167442nt	(9565)	AAATAATAAAAAAAGTTTAAATAAGTTTAAATTATTCAAATTTAAAAAAAATTTTATTATTTAAAAAAAATATTT									
SARS-CoV-2 Reference Genome NC_045512.2	(9037)	TGCTTCGGTAAAGCCAGTACCATAAT-TGTTATGATACCAATGTACTAGAAAGGTTCTGTGCTTATGAAAGTTTACGC									
		Section 1889									
		(145377)	145377	145387	145398	145409	145420	145431	145442	145453	
Candidatus Carsonella ruddii strain BT chromosome...	(145198)	TTTAATAATTTTATTTTAAACATAAATTTTATTATATTAAAAAGAAATATCAAAAAATAATAAAAAAATTTTAA									
Candidatus Carsonella 135557 - 167442nt	(9642)	TTTAATAATTTTATTTTAAACATAAATTTTATTATATTAAAAAGAAATATCAAAAAATAATAAAAAAATTTTAA									
SARS-CoV-2 Reference Genome NC_045512.2	(9113)	CCTGACACACGTTATGTGCTCATGGATGGCTCTATTATATC-----AATTTCCTAACACC-----TACCTTGAA									
		Section 1890									
		(145454)	145454	145464	145475	145486	145497	145508	145519	145530	
Candidatus Carsonella ruddii strain BT chromosome...	(145275)	TATTAAAAAAAACATGTGTTTATATGAAAAATATATTAAAAATTAAAAAAAATATCTTTAAATATAAATTAATAAAC									
Candidatus Carsonella 135557 - 167442nt	(9719)	TATTAAAAAAAACATGTGTTTATATGAAAAATATATTAAAAATTAAAAAAAATATCTTTAAATATAAATTAATAAAC									
SARS-CoV-2 Reference Genome NC_045512.2	(9176)	GGTTC-----TGTTAGAGTGGTAAACAACTTTTGATTCTGAGTAC-TGTAGGCACGGCACTTGTGAAAGATC									

SARS-CoV-2 & Bakterien.apr

		Section 1891										
	(145531)	145531	145541	145552	145563	145574	145585	145596	145607			
Candidatus Carsonella ruddii strain BT chromosome...	(145352)	GGAA	CATGGCGAAGTTTGGTATCGTATTTGCTTTGGGAGTAAGTGATCAAAGGTTCAAATCCTTTTGTTC	CCGAGCGT								
Candidatus Carsonella 135557 - 167442nt	(9796)	GGAA	CATGGCGAAGTTTGGTATCGTATTTGCTTTGGGAGTAAGTGATCAAAGGTTCAAATCCTTTTGTTC	CCGAGCGT								
SARS-CoV-2 Reference Genome NC_045512.2	(9241)	AGAA	GC	TGGTGT--TTGTGTATCTACTAGTGGTAGATGGGTACTTAACAAATGATTATTACAGATCTTTACCAGGAGT								
		Section 1892										
	(145608)	145608	145618	145629	145640	145651	145662	145673	145684			
Candidatus Carsonella ruddii strain BT chromosome...	(145429)	TTATAGCTCAATGGATAGAGCAATGATCTTCTAAGTCAAAGGTTGTAAGTTTCAATTCCTTACTAAACGTATGGTAAA										
Candidatus Carsonella 135557 - 167442nt	(9873)	TTATAGCTCAATGGATAGAGCAATGATCTTCTAAGTCAAAGGTTGTAAGTTTCAATTCCTTACTAAACGTATGGTAAA										
SARS-CoV-2 Reference Genome NC_045512.2	(9316)	TTTCTGTGGTGTTAGATGCTGTAA--ATTTACTTACTATAATATGTTTACACCACTAATTC AACCTATTGTGCTTTGGGA										
		Section 1893										
	(145685)	145685	145695	145706	145717	145728	145739	145750	145761			
Candidatus Carsonella ruddii strain BT chromosome...	(145505)	TATAACTCAGTTGGTAGAGTAATGAATTGTGGATTTCATATGTC AAGGGTTCAACCCCCCTTTATTTAC	CCTAATTATA									
Candidatus Carsonella 135557 - 167442nt	(9949)	TATAACTCAGTTGGTAGAGTAATGAATTGTGGATTTCATATGTC AAGGGTTCAACCCCCCTTTATTTAC	CCTAATTATA									
SARS-CoV-2 Reference Genome NC_045512.2	(9391)	CATA--TCAGCATCTATAGTAGC---TGGTGGTATTGTAGCT-ATCGTAGTAACATGCCCTTGCC	TACT--ATTTTA									
		Section 1894										
	(145762)	145762	145772	145783	145794	145805	145816	145827	145838			
Candidatus Carsonella ruddii strain BT chromosome...	(145582)	TAAAAATATAAAAAATGATATTTATTCCTACTGTTATAGACAAAAATATAAAAGGAGATAGATTTTTAGATT	TTATTTT									
Candidatus Carsonella 135557 - 167442nt	(10026)	TAAAAATATAAAAAATGATATTTATTCCTACTGTTATAGACAAAAATATAAAAGGAGATAGATTTTTAGATT	TTATTTT									
SARS-CoV-2 Reference Genome NC_045512.2	(9459)	TGAGGTTTAGAGAA-GCTTTTGGTGAA	TACAGTCATGTAGTTGCCCTTAA	TACTTTACT-ATTCC	TTATGTCATTCA							
		Section 1895										
	(145839)	145839	145849	145860	145871	145882	145893	145904	145915			
Candidatus Carsonella ruddii strain BT chromosome...	(145659)	CTAAAATGTTTAAAAGAAAGAGTAATTTTATTAATGGAGCTATAGATGATAATTTATCTGTTAT--AATAGTAGCTC										
Candidatus Carsonella 135557 - 167442nt	(10103)	CTAAAATGTTTAAAAGAAAGAGTAATTTTATTAATGGAGCTATAGATGATAATTTATCTGTTAT--AATAGTAGCTC										
SARS-CoV-2 Reference Genome NC_045512.2	(9534)	CTGTACTCTGTTTACACCAGT----	T-TACTCAT---	CT-TACC	TGGTGT	TTATCTGTTATTT	ACTTGTA	CTTG				
		Section 1896										
	(145916)	145916	145926	145937	145948	145959	145970	145981	145992			
Candidatus Carsonella ruddii strain BT chromosome...	(145734)	AATTATTATTTT	TAGATTCAGATAATAATAAAGATATAATTTTATATATTAATTCACCTGGAGGTGTAGTTTCTTCA									
Candidatus Carsonella 135557 - 167442nt	(10178)	AATTATTATTTT	TAGATTCAGATAATAATAAAGATATAATTTTATATATTAATTCACCTGGAGGTGTAGTTTCTTCA									
SARS-CoV-2 Reference Genome NC_045512.2	(9602)	ACATTTTATCTT-----AC--TAAT	GATG-TTCTTTTT	TAGCA	CATATTCA	G-TGGATGGT	TATGTTCA-CA					

SARS-CoV-2 & Bakterien.apr

		Section 1897									
		(145993)	145993	146003	146014	146025	146036	146047	146058	146069	
Candidatus Carsonella ruddii strain BT chromosome...	(145811)	GGATTAAAGTATATATGATACAATACAATTTATAAAATCAGATGTAGTTACTATTTGTATAGGTC AAGCAGCTAGTAT									
Candidatus Carsonella 135557 - 167442nt	(10255)	GGATTAAAGTATATATGATACAATACAATTTATAAAATCAGATGTAGTTACTATTTGTATAGGTC AAGCAGCTAGTAT									
SARS-CoV-2 Reference Genome NC_045512.2	(9665)	CC-TT TAGTA C C T-TTC TGGATAACAATTGCTTATATC--A-----TTGTATTTCAC A-----AAGCAT-TTC TAT									
		Section 1898									
		(146070)	146070	146080	146091	146102	146113	146124	146135	146146	
Candidatus Carsonella ruddii strain BT chromosome...	(145888)	GGGAGCTGTTTTATTATCATCTGGTAAAAAAGGGAAAAGATTTTCTTTTACAAAATTCTAGAATAATGATTCCATCAAC									
Candidatus Carsonella 135557 - 167442nt	(10332)	GGGAGCTGTTTTATTATCATCTGGTAAAAAAGGGAAAAGATTTTCTTTTACAAAATTCTAGAATAATGATTCCATCAAC									
SARS-CoV-2 Reference Genome NC_045512.2	(9728)	TGGTTCT--TTAGTAATTAACCT-----AAA--GAGACGTG-TAGTCTTTA-----A---TGGTGTTC-----									
		Section 1899									
		(146147)	146147	146157	146168	146179	146190	146201	146212	146223	
Candidatus Carsonella ruddii strain BT chromosome...	(145965)	CTTTAGGTTATGCCACAAGGACAAGCTACAGATGTAGAAATACATGCCAAGAGAAATGATTATTGTTAAAAATATATTTA									
Candidatus Carsonella 135557 - 167442nt	(10409)	CTTTAGGTTATGCCACAAGGACAAGCTACAGATGTAGAAATACATGCCAAGAGAAATGATTATTGTTAAAAATATATTTA									
SARS-CoV-2 Reference Genome NC_045512.2	(9778)	CTTTAG-----TAGTTTGTGAAGAAGCTGC-GCTGTGCA C C TTTTGT TTAATAAAA GAAATGTATCTAAA GTT GCGTAG									
		Section 1900									
		(146224)	146224	146234	146245	146256	146267	146278	146289	146300	
Candidatus Carsonella ruddii strain BT chromosome...	(146042)	TG TAGTATTTTATCTTCTCATACAA-ATAATAG-TGTTGAAAAAATTTTCAAAGATACCGATCGTGATAAATTTTATG									
Candidatus Carsonella 135557 - 167442nt	(10486)	TG TAGTATTTTATCTTCTCATACAA-ATAATAG-TGTTGAAAAAATTTTCAAAGATACCGATCGTGATAAATTTTATG									
SARS-CoV-2 Reference Genome NC_045512.2	(9850)	TGATGTGCTATTACCTCTTACGCAATATAATAGATAC TTAGCTCTTTATAATAAGTACAGTATT--TTAGTGGAG-G									
		Section 1901									
		(146301)	146301	146311	146322	146333	146344	146355	146366	146377	
Candidatus Carsonella ruddii strain BT chromosome...	(146117)	GATTGTAAACAATCATTAAAAATATGGAATAATAGATAATGTTTGTATAAAAAAT-AATTATATTAAATA--TTGATT									
Candidatus Carsonella 135557 - 167442nt	(10561)	GATTGTAAACAATCATTAAAAATATGGAATAATAGATAATGTTTGTATAAAAAAT-AATTATATTAAATA--TTGATT									
SARS-CoV-2 Reference Genome NC_045512.2	(9924)	CAATGGATACAACTAGCTACAGAGAAGCTGCTTGTGTGTCATCTCGCAAGGCTCTCAATGACTTCAGTAAC TCAGGT									
		Section 1902									
		(146378)	146378	146388	146399	146410	146421	146432	146443	146454	
Candidatus Carsonella ruddii strain BT chromosome...	(146191)	TTTTAAATTATTTAAACCCAATAAATATAAAAAATGAATTAGAT-AGATATATTATTG-GTCAAAATGAAACTAAAA									
Candidatus Carsonella 135557 - 167442nt	(10635)	TTTTAAATTATTTAAACCCAATAAATATAAAAAATGAATTAGAT-AGATATATTATTG-GTCAAAATGAAACTAAAA									
SARS-CoV-2 Reference Genome NC_045512.2	(10001)	TCTGATGTTCTTTA---CCAA CCA CCA CAAA CC-TCTATCA C C T CAGCTGT T TGCAGAGTGGTTTTAGAAAAA TGG									

Section 1903										
	(146455)	146455	146465	146476	146487	146498	146509	146520	146531	
Candidatus Carsonella ruddii strain BT chromosome...	(146266)	AAATAATATCTGTTGCTGTTTATAATC	--	ATTATAAAAGACTTTATCTTTTACAATCA	----	AAAAATATTTATTT				
Candidatus Carsonella 135557 - 167442nt	(10710)	AAATAATATCTGTTGCTGTTTATAATC	--	ATTATAAAAGACTTTATCTTTTACAATCA	----	AAAAATATTTATTT				
SARS-CoV-2 Reference Genome NC_045512.2	(10074)	CATTCCCATCTGGTAAAGTTGAGGGTTGTATGGTACAAGTAACCT	-	TGTGGTACAACTACACTTAA	CGGTCTTTGGCT					
Section 1904										
	(146532)	146532	146542	146553	146564	146575	146586	146597	146608	
Candidatus Carsonella ruddii strain BT chromosome...	(146336)	AGAAAAAGTAATATAATTTT	-	AATAGGTCCTA	-	CAGGATGTTGGTAAAACAT	TGATGGTTAAAACATTAGCTAAGAT			
Candidatus Carsonella 135557 - 167442nt	(10780)	AGAAAAAGTAATATAATTTT	-	AATAGGTCCTA	-	CAGGATGTTGGTAAAACAT	TGATGGTTAAAACATTAGCTAAGAT			
SARS-CoV-2 Reference Genome NC_045512.2	(10150)	TGATGAC-GTAGTTTACTGTCCAA	GACATGTGATCTGCACCTCTGAAGACAT	----	GCTTA	--	ACCTAATATGAA			
Section 1905										
	(146609)	146609	146619	146630	146641	146652	146663	146674	146685	
Candidatus Carsonella ruddii strain BT chromosome...	(146411)	AATTAACTCTCAATAATAGTTGTTGACGCTACTTCTTT	-	TACTGAAGCAGGTTATGTTGGAG	--	ATGATGTTGAAT				
Candidatus Carsonella 135557 - 167442nt	(10855)	AATTAACTCTCAATAATAGTTGTTGACGCTACTTCTTT	-	TACTGAAGCAGGTTATGTTGGAG	--	ATGATGTTGAAT				
SARS-CoV-2 Reference Genome NC_045512.2	(10220)	GATT--TACTC-ATTCTGTAAGTCTAATCATAATTCTTGGTACAG	--	GCTGGTAAATGTTCACTCAGGTTATTTGA						
Section 1906										
	(146686)	146686	146696	146707	146718	146729	146740	146751	146762	
Candidatus Carsonella ruddii strain BT chromosome...	(146485)	CAATTATTCAAAAATTGCTTCATGAATGTGAATATGATGTTGAATTAAC	TGAAAGATATAATATATATTGATGAA							
Candidatus Carsonella 135557 - 167442nt	(10929)	CAATTATTCAAAAATTGCTTCATGAATGTGAATATGATGTTGAATTAAC	TGAAAGATATAATATATATTGATGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(10292)	CATTCTATGCAAAAATTG	----	TGTA	CTTAAGCTTAAGGTTGAT	---	ACAGCCATCCTAAGACACC	TAGTATAG		
Section 1907										
	(146763)	146763	146773	146784	146795	146806	146817	146828	146839	
Candidatus Carsonella ruddii strain BT chromosome...	(146562)	ATTGATAAAATTTCTAAAAAACAGATTTTAT	----	TTCTGG	--	GTAAAGATGTTTCAGGAGAAGGAGTTCAACAAT				
Candidatus Carsonella 135557 - 167442nt	(11006)	ATTGATAAAATTTCTAAAAAACAGATTTTAT	----	TTCTGG	--	GTAAAGATGTTTCAGGAGAAGGAGTTCAACAAT				
SARS-CoV-2 Reference Genome NC_045512.2	(10361)	TTGTTCGCAATT-CACCAGGACAGAC	TTTT	TCAGTGT	TAGCTTGT	TACAATGTTCA	CCATCTGGT	TTTAC	CAAT	
Section 1908										
	(146840)	146840	146850	146861	146872	146883	146894	146905	146916	
Candidatus Carsonella ruddii strain BT chromosome...	(146632)	CTT-TATTAAAATTAATTGAAGGAATTAGCATTATG	--	TTACTTCATTAAATGATAAAAAAAAT	CCTCAACAAAAT					
Candidatus Carsonella 135557 - 167442nt	(11076)	CTT-TATTAAAATTAATTGAAGGAATTAGCATTATG	--	TTACTTCATTAAATGATAAAAAAAAT	CCTCAACAAAAT					
SARS-CoV-2 Reference Genome NC_045512.2	(10437)	GTGC	TATGAGGCCCAATTTC	ACTATTAGGGTT	CAT	TCC	TTAATGGTTCATGTGTG	TAGTGTGGT	TTTAA	CATAGAT

SARS-CoV-2 & Bakterien.apr

			Section 1909							
	(146917)	146917	146927	146938	146949	146960	146971	146982	146993	
Candidatus Carsonella ruddii strain BT chromosome...	(146706)	CCTCAA	GT	TTTTAATGTAGATACAACA	AATATATTATTTATAGCTGGTGGAGCTTTTTTCAGGTATAGAAAATTTTA					
Candidatus Carsonella 135557 - 167442nt	(11150)	CCTCAA	GT	TTTTAATGTAGATACAACA	AATATATTATTTATAGCTGGTGGAGCTTTTTTCAGGTATAGAAAATTTTA					
SARS-CoV-2 Reference Genome NC_045512.2	(10514)	TATGACTGTGTCCTTTTGT	TACA	TGCACC	ATATGGAA	TACCAAC	TGGAGT	CATGCTGGCAC	AGA--C----	
			Section 1910							
	(146994)	146994	147004	147015	147026	147037	147048	147059	147070	
Candidatus Carsonella ruddii strain BT chromosome...	(146782)	TTTAAATAGAA	TAGATAAAGA	AATATTCTTT	TTTAGATAAATAAGATAATAAAAAATATTATTGAAAAAACTGATACT					
Candidatus Carsonella 135557 - 167442nt	(11226)	TTTAAATAGAA	TAGATAAAGA	AATATTCTTT	TTTAGATAAATAAGATAATAAAAAATATTATTGAAAAAACTGATACT					
SARS-CoV-2 Reference Genome NC_045512.2	(10583)	-TTAGAA	GGTAA	CTTTTAT	TGGA	CCTTTT	TGTGACAGGCA	AAACAGCACAGCAGC	TGGTACGGAACAACTATTACA	
			Section 1911							
	(147071)	147071	147081	147092	147103	147114	147125	147136	147147	
Candidatus Carsonella ruddii strain BT chromosome...	(146859)	GAAGATT	TAAATAAATTT	PGGTATTATTCT	TGAATTTTAGGTAGATTACCTATTTTAGCTAAATTTAGAGAATT-AA					
Candidatus Carsonella 135557 - 167442nt	(11303)	GAAGATT	TAAATAAATTT	TGGTATTATTCT	TGAATTTTAGGTAGATTACCTATTTTAGCTAAATTTAGAGAATT-AA					
SARS-CoV-2 Reference Genome NC_045512.2	(10658)	GTTAAT	GT	TTT	TAGCT--	TGGT	TG	TACGCTGCTGTTATAA	TGGAG-ACAGGTGGTTTCTCAATCGATTTACCACAA	
			Section 1912							
	(147148)	147148	147158	147169	147180	147191	147202	147213	147224	
Candidatus Carsonella ruddii strain BT chromosome...	(146935)	CTGAATTTGA	ATTTATTTATATATTAATA	AAAAATCTAAAAATTCATTAT	TAAAACAATTTTGTTATTTATTTTTTAATA					
Candidatus Carsonella 135557 - 167442nt	(11379)	CTGAATTTGA	ATTTATTTATATATTAATA	AAAAATCTAAAAATTCATTAT	TAAAACAATTTTGTTATTTATTTTTTAATA					
SARS-CoV-2 Reference Genome NC_045512.2	(10731)	CTCTTAAT	TGAC	TTTAACTT	TGTGGCTAT	GAAGTACAA	TTTATGACCTC	TAAACAA	GAG--CCATGTTGACATAC	
			Section 1913							
	(147225)	147225	147235	147246	147257	147268	147279	147290	147301	
Candidatus Carsonella ruddii strain BT chromosome...	(147012)	GAGGAGT	TAAGTATTAAATTT	TACTTTTTCATCTATA	AAAAGAAATTGCTAAAATAGCTGT-TAATAAAAAAATTTGGAG					
Candidatus Carsonella 135557 - 167442nt	(11456)	GAGGAGT	TAAGTATTAAATTT	TACTTTTTCATCTATA	AAAAGAAATTGCTAAAATAGCTGT-TAATAAAAAAATTTGGAG					
SARS-CoV-2 Reference Genome NC_045512.2	(10805)	GGA	CCTCTT	CTTCTCAA	ACTTGGAA	TTGCGT	TTTAGATATGTG	TGCTTCATTAAA	GAACTTACTGCAAAATGTTAT	
			Section 1914							
	(147302)	147302	147312	147323	147334	147345	147356	147367	147378	
Candidatus Carsonella ruddii strain BT chromosome...	(147088)	CAAGAGGTTT	TAAAAATCAATATTA	GAAAAATGTTCTTTT	TAAATACAATGTTTTTATTTCCCTTCTAAAATTAATTTAAAA					
Candidatus Carsonella 135557 - 167442nt	(11532)	CAAGAGGTTT	TAAAAATCAATATTA	GAAAAATGTTCTTTT	TAAATACAATGTTTTTATTTCCCTTCTAAAATTAATTTAAAA					
SARS-CoV-2 Reference Genome NC_045512.2	(10882)	GAA	TG	GACGTA	---	CCATATT	GGGTAGTG	--	CTTTATTAGAAGATGAATTTACA-CCTTTTGATGTTGTTAGACAA	

SARS-CoV-2 & Bakterien.apr

	(147379)	147379	147389	147400	147411	147422	147433	147444	147455	Section 1915
Candidatus Carsonella ruddii strain BT chromosome...	(147165)	T TAGTAGTAATTTTATAAAGAAAGTTATTACAAAAAATAAAAAACC	AATATTTTATTTATAATTAATGTTTTTTGT	TTTG						
Candidatus Carsonella 135557 - 167442nt	(11609)	T TAGTAGTAATTTTATAAAGAAAGTTATTACAAAAAATAAAAAACC	AATATTTTATTTATAATTAATGTTTTTTGT	TTTG						
SARS-CoV-2 Reference Genome NC_045512.2	(10952)	T GCTCAGGTGGTTACTTTCCAAA---AGTGCAGTGA---AAA	GACAATCAAGGGTACACACCAC	TGTTGTTACT---						
	(147456)	147456	147466	147477	147488	147499	147510	147521	147532	Section 1916
Candidatus Carsonella ruddii strain BT chromosome...	(147242)	TTTCACACATTTTTTTTTATTTT	TTTTTTTTTTTTAAAAAATAAATATTTTTTTTATAATAATAAAAAAAAA							
Candidatus Carsonella 135557 - 167442nt	(11686)	TTTCACACATTTTTTTTTATTTT	TTTTTTTTTTTTAAAAAATAAATATTTTTTTTATAATAATAAAAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(11020)	----CACAA	TTTTGAC--TTCAC	TTTTAGTTT	TAGTCCAGAGTACT	CAATGGTCTTTGTTCTT----	TT-----			
	(147533)	147533	147543	147554	147565	147576	147587	147598	147609	Section 1917
Candidatus Carsonella ruddii strain BT chromosome...	(147319)	AAATTTT	TTTTAAAAATACAAATTTT---	TTTTTAAATGGTTATTT	TTTTTTTTTAAATTTATTTAAATCTATTTT	TTTA				
Candidatus Carsonella 135557 - 167442nt	(11763)	AAATTTT	TTTTAAAAATACAAATTTT---	TTTTTAAATGGTTATTT	TTTTTTTTTAAATTTATTTAAATCTATTTT	TTTA				
SARS-CoV-2 Reference Genome NC_045512.2	(11079)	--TTTTG	TATGAAAATGCC	TTTTACC	TTTTGCTATGGGTATT	ATTGCTATGTC	TGCTGCTTT	TGC	AATGATGTTG	TC
	(147610)	147610	147620	147631	147642	147653	147664	147675	147686	Section 1918
Candidatus Carsonella ruddii strain BT chromosome...	(147393)	TGCTAAAAAATATATTTT	TTTCCAATTTTATATTAATTA	AAAAATGATTTTTTAGG	AAAAAAATTTAT	AAATTTAT	TAA			
Candidatus Carsonella 135557 - 167442nt	(11837)	TGCTAAAAAATATATTTT	TTTCCAATTTTATATTAATTA	AAAAATGATTTTTTAGG	AAAAAAATTTAT	AAATTTAT	TAA			
SARS-CoV-2 Reference Genome NC_045512.2	(11154)	AAATAT	AAGCATGCATTTCT---	CTGTTTGTTT	TGTTTACCTTCTCT	TGCGCACTGT	AGCTTATTT	TAAAT	ATGGTC	TT
	(147687)	147687	147697	147708	147719	147730	147741	147752	147763	Section 1919
Candidatus Carsonella ruddii strain BT chromosome...	(147470)	AATATAAATCTATTTATGTATTATT	TATTTAATAATTGAT	AAAATGGTTCTTTAATTTTTTTT	TATTTTTTAAAA					
Candidatus Carsonella 135557 - 167442nt	(11914)	AATATAAATCTATTTATGTATTATT	TATTTAATAATTGAT	AAAATGGTTCTTTAATTTTTTTT	TATTTTTTAAAA					
SARS-CoV-2 Reference Genome NC_045512.2	(11226)	-ATATGCC	TGCTAGTTGGGTGAT	GCGTATT	ATGACATGTT	TGGATATGGTTGA	TACTAGTTTGTC	TGG	TTTTAG	GCT
	(147764)	147764	147774	147785	147796	147807	147818	147829	147840	Section 1920
Candidatus Carsonella ruddii strain BT chromosome...	(147547)	AATATTTT	TTTTATAAATTTATAAATAATAGTAAATTTTT	TGTTAAATATAAGAAATCATCA	AAAAAATTTGTTTATATAGA					
Candidatus Carsonella 135557 - 167442nt	(11991)	AATATTTT	TTTTATAAATTTATAAATAATAGTAAATTTTT	TGTTAAATATAAGAAATCATCA	AAAAAATTTGTTTATATAGA					
SARS-CoV-2 Reference Genome NC_045512.2	(11302)	AAAA	GACTGTGT-TATGTATGCAT	CAGCTGTAGT	GTTACTAATCCTTAT	GACAGC----	AAGAAC	TGTGTAT	GATGA	

SARS-CoV-2 & Bakterien.apr

		Section 1921							
		(147841)	147841	147851	147862	147873	147884	147895	147906 147917
Candidatus Carsonella ruddii strain BT chromosome...	(147624)		TAAATAAAATCTTGTGGATTGGAGGAAATAAATATTGGTATAGAATATTTAGGAATAGATTCTAATTTTGGGAATATGG-						
Candidatus Carsonella 135557 - 167442nt	(12068)		TAAATAAAATCTTGTGGATTGGAGGAAATAAATATTGGTATAGAATATTTAGGAATAGATTCTAATTTTGGGAATATGG-						
SARS-CoV-2 Reference Genome NC_045512.2	(11374)		TGGT----GCTAGGAGAGTGTGGACACTTATGAATGTCCTTGA-----CACTCGTTTATAAAGTTT-ATTATGGT						
		Section 1922							
		(147918)	147918	147928	147939	147950	147961	147972	147983 147994
Candidatus Carsonella ruddii strain BT chromosome...	(147700)		AATGATATTCATTGTAAATTAATAATGTTTATTTTAAATTATTTTAAAAAAATATTTACTTTTAAAAAATAATTT						
Candidatus Carsonella 135557 - 167442nt	(12144)		AATGATATTCATTGTAAATTAATAATGTTTATTTTAAATTATTTTAAAAAAATATTTACTTTTAAAAAATAATTT						
SARS-CoV-2 Reference Genome NC_045512.2	(11438)		AATGCTTTAGATCAAGCCATTTCCTA-TGTGGGCTCTTATATATCTCTG-----TTACTTCTAACTACTCAGGT						
		Section 1923							
		(147995)	147995	148005	148016	148027	148038	148049	148060 148071
Candidatus Carsonella ruddii strain BT chromosome...	(147777)		TACAATTAAAAAATGGAAATTTTTAAAAAATAAATTTTTTTTTGAAAAATTATATAAATTTATTTAATGTTTTTAAAT						
Candidatus Carsonella 135557 - 167442nt	(12221)		TACAATTAAAAAATGGAAATTTTTAAAAAATAAATTTTTTTTTGAAAAATTATATAAATTTATTTAATGTTTTTAAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(11504)		GT-AGTTACAACTGTCATGTTTTTGGCCAGAGGTATTGTTTTT-----ATGTGTGTTGAGTATTGCCCTAT						
		Section 1924							
		(148072)	148072	148082	148093	148104	148115	148126	148137 148148
Candidatus Carsonella ruddii strain BT chromosome...	(147854)		TAAATTTTAAAAAATAATAATAATTTCTCCTTATATAATTTTAGATTTAATAATTAATTTTATTTAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(12298)		TAAATTTTAAAAAATAATAATAATTTCTCCTTATATAATTTTAGATTTAATAATTAATTTTATTTAAAAAA						
SARS-CoV-2 Reference Genome NC_045512.2	(11569)		TTTCCTTCAATAAC-----TGGTAATACACT-TCAGTGTATAATGCTAG-TTTATTGTTTCTTAGGCTTATTTTGTGAC						
		Section 1925							
		(148149)	148149	148159	148170	148181	148192	148203	148214 148225
Candidatus Carsonella ruddii strain BT chromosome...	(147931)		TTAAAAATACATACATATATATATATATGTAAACATATAAATCAGATAAATTTATATATACAAAATAGTTCGTTTATTTT						
Candidatus Carsonella 135557 - 167442nt	(12375)		TTAAAAATACATACATATATATATATATGTAAACATATAAATCAGATAAATTTATATATACAAAATAGTTCGTTTATTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(11638)		TTGTTACTTTGGCTCT-TTGTGTTTACTCAACCGCTACTTTAGACTGACTCTTGGTGTGTTATGATTAC--TTAGTTT						
		Section 1926							
		(148226)	148226	148236	148247	148258	148269	148280	148291 148302
Candidatus Carsonella ruddii strain BT chromosome...	(148008)		TTTAAAAATTTTGAATAAATATAAATAAATAATTTATTTTAAAAAAGGTTTTCATAGAAAAATTTATATTA						
Candidatus Carsonella 135557 - 167442nt	(12452)		TTTAAAAATTTTGAATAAATATAAATAAATAATTTATTTTAAAAAAGGTTTTCATAGAAAAATTTATATTA						
SARS-CoV-2 Reference Genome NC_045512.2	(11712)		CTACACAGGAGTTTAGATATATGAATTCAACAGGGACTACTCCCACCCAAGAAATA--GCATAGATGCCCTTCAAACTC						

SARS-CoV-2 & Bakterien.apr

												Section 1927																	
	(148303)	148303	148313	148324	148335	148346	148357	148368	148379																				
Candidatus Carsonella ruddii strain BT chromosome...	(148085)	TAGAT	-AATTTT	TTTTTT	TTAGGATCAA	AATAATTTT	TGACAATAGATCT	TATTTATATTAATAA	AGAATGTTT	GTTTTG																			
Candidatus Carsonella 135557 - 167442nt	(12529)	TAGAT	-AATTTT	TTTTTT	TTAGGATCAA	AATAATTTT	TGACAATAGATCT	TATTTATATTAATAA	AGAATGTTT	GTTTTG																			
SARS-CoV-2 Reference Genome NC_045512.2	(11786)	AACAT	TAAATT	GTTGGGT	GTTGGTGGC	AAACC	TTGTATCAA	AGTAGCC	ACTG-TAC-AGTCT	AAAATGTCAGAT	GTA																		
												Section 1928																	
	(148380)	148380	148390	148401	148412	148423	148434	148445	148456																				
Candidatus Carsonella ruddii strain BT chromosome...	(148161)	CTTT	TTTGATA	AAAAA	-TATTA	AAAAAA	CTTTT	TTTAAAAAA	ATTAAAA	TTTATATTTT	TACATTAA	TACAAAAA																	
Candidatus Carsonella 135557 - 167442nt	(12605)	CTTT	TTTGATA	AAAAA	-TATTA	AAAAAA	CTTTT	TTTAAAAAA	ATTAAAA	TTTATATTTT	TACATTAA	TACAAAAA																	
SARS-CoV-2 Reference Genome NC_045512.2	(11861)	AAGT	GCACAT	CAGTAG	TCTTA	CTCTC	AGTTTT	GCAACA	CTCAGAG	TAGAA	TATCATCT	TAAATTGTGGGCTC	AAATG																
												Section 1929																	
	(148457)	148457	148467	148478	148489	148500	148511	148522	148533																				
Candidatus Carsonella ruddii strain BT chromosome...	(148237)	AAA	--ATTT	TTTTT	TATAAA	ATTTATTT	TATATA	TAATTT	CAATGAA	ATTTATTA	ACAAAAC																		
Candidatus Carsonella 135557 - 167442nt	(12681)	AAA	--ATTT	TTTTT	TATAAA	ATTTATTT	TATATA	TAATTT	CAATGAA	ATTTATTA	ACAAAAC																		
SARS-CoV-2 Reference Genome NC_045512.2	(11938)	TGTCC	AGTT	ACACA	ATGAC	ATTCTCTTA	GC	TAAAGAT	ACTACTGAA	GCCTTTGAAAA	AATGGTTTCACTA	CTTTCTG																	
												Section 1930																	
	(148534)	148534	148544	148555	148566	148577	148588	148599	148610																				
Candidatus Carsonella ruddii strain BT chromosome...	(148312)	ATTT	TTTTT	TATTT	TTTTAGTG	TTATTA	AAAAA	ATAAA	AAATAGG	AAAAA	ATTTATTT	TAAATTTG	TATTAT	TAAA															
Candidatus Carsonella 135557 - 167442nt	(12756)	ATTT	TTTTT	TATTT	TTTTAGTG	TTATTA	AAAAA	ATAAA	AAATAGG	AAAAA	ATTTATTT	TAAATTTG	TATTAT	TAAA															
SARS-CoV-2 Reference Genome NC_045512.2	(12015)	TTTT	GC	TTT	CCA	TGC	AGG	GTG	C	TGT--A	GACATAAA	C	AA	G-----C	TTTG	TGA	GA	AA	TG	CTGG	AC	AA	C						
												Section 1931																	
	(148611)	148611	148621	148632	148643	148654	148665	148676	148687																				
Candidatus Carsonella ruddii strain BT chromosome...	(148389)	AAAA	AAAAA	TTAA	TTTTATA	ATAAA	AAATTTTA	TTTAA	AAAAATAAA	CCATC	TTAATAG	GCTATTT	TATTT	TTTTAA															
Candidatus Carsonella 135557 - 167442nt	(12833)	AAAA	AAAAA	TTAA	TTTTATA	ATAAA	AAATTTTA	TTTAA	AAAAATAAA	CCATC	TTAATAG	GCTATTT	TATTT	TTTTAA															
SARS-CoV-2 Reference Genome NC_045512.2	(12077)	AGGGC	AA	CC	TTA	CA	AGC	TATA	GCCTC	AG	AGTTTA	GTT	CCCTT	-----	CCATC	A	TATGC	AG	CTTT	GCT	TAC	TGC	TCA						
												Section 1932																	
	(148688)	148688	148698	148709	148720	148731	148742	148753	148764																				
Candidatus Carsonella ruddii strain BT chromosome...	(148466)	AAAT	GAAAC	CAAT	TTTTATT	TATAT	TCGAA	ATTT	TGTTATT	TATAAA	ATTAAT	TAAGTT	TAAAA	AT	TATTT	TATATA													
Candidatus Carsonella 135557 - 167442nt	(12910)	AAAT	GAAAC	CAAT	TTTTATT	TATAT	TCGAA	ATTT	TGTTATT	TATAAA	ATTAAT	TAAGTT	TAAAA	AT	TATTT	TATATA													
SARS-CoV-2 Reference Genome NC_045512.2	(12148)	A	--	GAA	G	CTT	AT	GAG	CAGG	CTG	TT	GCT	AAT	GT	GATT	CT	GAA	GT	GTTC	TTAA	A	AAGTT	GAA	GAA	G	TCTTT	GA	AT	G

SARS-CoV-2 & Bakterien.apr

		Section 1933									
		(148765)	148765	148775	148786	148797	148808	148819	148830	148841	
Candidatus Carsonella ruddii strain BT chromosome...	(148543)	AAAAATAAATCAAATATTTTATATTTTATAAAAAATTTTTTTTTCATTAAATTTTGTGA--AATGGATGTTCCAA									
Candidatus Carsonella 135557 - 167442nt	(12987)	AAAAATAAATCAAATATTTTATATTTTATAAAAAATTTTTTTTTCATTAAATTTTGTGA--AATGGATGTTCCAA									
SARS-CoV-2 Reference Genome NC_045512.2	(12222)	TGGCTAAATCTGATTTGACCGTGAATGCAAGCCATGCAACGTAAAGTTGGAAAAAGATGGCTGATCAAGCTATGACCCAA									
		Section 1934									
		(148842)	148842	148852	148863	148874	148885	148896	148907	148918	
Candidatus Carsonella ruddii strain BT chromosome...	(148618)	CTATAGTAAATTATTCTAAATCTGTTCAAAACAATTTTTAATTATTAATAAAAAAATGAATTTTCT									
Candidatus Carsonella 135557 - 167442nt	(13062)	CTATAGTAAATTATTCTAAATCTGTTCAAAACAATTTTTAATTATTAATAAAAAAATGAATTTTCT									
SARS-CoV-2 Reference Genome NC_045512.2	(12299)	ATGTA-TAAAC-AGGCTAGATCTGAGGACAAAGAGGGCAAAAGTTACTAGTGTCTATGCAGACAA-TGCTTTTCTAT									
		Section 1935									
		(148919)	148919	148929	148940	148951	148962	148973	148984	148995	
Candidatus Carsonella ruddii strain BT chromosome...	(148695)	CTTTCACAATCTCCACAATGTATTAAACAATATTATATGTTTAAATAACGTTAAAAAATATTTTAAATAAATTAAATTG									
Candidatus Carsonella 135557 - 167442nt	(13139)	CTTTCACAATCTCCACAATGTATTAAACAATATTATATGTTTAAATAACGTTAAAAAATATTTTAAATAAATTAAATTG									
SARS-CoV-2 Reference Genome NC_045512.2	(12373)	GCTTAGAAGGTGGATTAATGATGCACTCAACA--ACATTAATCAACAAATGC-AGAGATGGTTGTGTTCCCTTGAACA									
		Section 1936									
		(148996)	148996	149006	149017	149028	149039	149050	149061	149072	
Candidatus Carsonella ruddii strain BT chromosome...	(148772)	TTTTAGAGATGAAGATGAAAG---ATCTAACAGATTAAAGGAATTTACTCAATTAGATATAGAAATGTGTTTGTGTTG									
Candidatus Carsonella 135557 - 167442nt	(13216)	TTTTAGAGATGAAGATGAAAG---ATCTAACAGATTAAAGGAATTTACTCAATTAGATATAGAAATGTGTTTGTGTTG									
SARS-CoV-2 Reference Genome NC_045512.2	(12447)	TAATACTCTTACAACAGCAGCCAACCTAAATGG-TTGTCTATACAGACTATAACACATATAAAAATACGTGTGATGG									
		Section 1937									
		(149073)	149073	149083	149094	149105	149116	149127	149138	149149	
Candidatus Carsonella ruddii strain BT chromosome...	(148846)	AATTTTTAAATTAATAAAAAATTAATTAACTATTTATTAAAAATCTATATTTTATTAATTTTAAATAAAAAAATTTT									
Candidatus Carsonella 135557 - 167442nt	(13290)	AATTTTTAAATTAATAAAAAATTAATTAACTATTTATTAAAAATCTATATTTTATTAATTTTAAATAAAAAAATTTT									
SARS-CoV-2 Reference Genome NC_045512.2	(12523)	TAC----AACATTTACTTA-TGCATCAGCATGTGGGAAATCCAAACAGGTTGTAGATGCAG--ATAGTAAAATTGTT									
		Section 1938									
		(149150)	149150	149160	149171	149182	149193	149204	149215	149226	
Candidatus Carsonella ruddii strain BT chromosome...	(148923)	TTTTTAACCTTTAAATATATAATATATAAAAAATTTTTTTTGTGAAAAAATTTTAAATAAACCATATATTTATAA									
Candidatus Carsonella 135557 - 167442nt	(13367)	TTTTTAACCTTTAAATATATAATATATAAAAAATTTTTTTTGTGAAAAAATTTTAAATAAACCATATATTTATAA									
SARS-CoV-2 Reference Genome NC_045512.2	(12593)	----CAACTTAGTGAATTAGTATGGACAA-----TT---CACTAA----T-TTAGCATGGCTCTTATTGTAA									

SARS-CoV-2 & Bakterien.apr

Section 1939									
	(149227)	149227	149237	149248	149259	149270	149281	149292	149303
Candidatus Carsonella ruddii strain BT chromosome...	(149000)	AAAAATTAATATAAAATTTTATAATTTATTTGTTTAAATATAAATTATTATAAATTTTTTAAAGAAAAAAATTTT							
Candidatus Carsonella 135557 - 167442nt	(13444)	AAAAATTAATATAAAATTTTATAATTTATTTGTTTAAATATAAATTATTATAAATTTTTTAAAGAAAAAAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(12651)	CAGCTTTAAAGGGCCA--ATTCTGCTGTCAAAATTACAGAAATAATGAGCTTAGTCCGTGTTGCACACTACGACAGATGTCTT							
Section 1940									
	(149304)	149304	149314	149325	149336	149347	149358	149369	149380
Candidatus Carsonella ruddii strain BT chromosome...	(149077)	TTTTTTATAAATTAAAAAATATATTTTAA--TAATATCAAAAAAAAAAATTGATTTTAAATTTATGTTATTATTTTGA							
Candidatus Carsonella 135557 - 167442nt	(13521)	TTTTTTATAAATTAAAAAATATATTTTAA--TAATATCAAAAAAAAAAATTGATTTTAAATTTATGTTATTATTTTGA							
SARS-CoV-2 Reference Genome NC_045512.2	(12726)	GTGCTGCCGGTACTACACAAACATGCTTGCACATGATGACAAATGCGTTAGCTTACTACAAACACACAACAAAGGGAGGTAGG							
Section 1941									
	(149381)	149381	149391	149402	149413	149424	149435	149446	149457
Candidatus Carsonella ruddii strain BT chromosome...	(149153)	TTTTTGTTTAAAAATATTTAAATATTATTAATAATA--AAATAAATTTTTTTTGGTACGT--TAATTTTTTTTATTTTAA							
Candidatus Carsonella 135557 - 167442nt	(13597)	TTTTTGTTTAAAAATATTTAAATATTATTAATAATA--AAATAAATTTTTTTTGGTACGT--TAATTTTTTTTATTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(12803)	TTTTGTACTTGCACTGTTATCCGATTTACAGGATTTTGAAATGGGCAGATTCCCTAAGAGTGATGGAACTGGTACTAT							
Section 1942									
	(149458)	149458	149468	149479	149490	149501	149512	149523	149534
Candidatus Carsonella ruddii strain BT chromosome...	(149228)	AAAAAAAAAAATA--AATCATCATCAATTTTCATCATATAAAAAAATATTTTACTTCAATTTATAAATCTAAATCTTTA							
Candidatus Carsonella 135557 - 167442nt	(13672)	AAAAAAAAAAATA--AATCATCATCAATTTTCATCATATAAAAAAATATTTTACTTCAATTTATAAATCTAAATCTTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(12880)	CTATACAGAACTGGAAACCACTTGTAGGTTTGTACAGACACAC-----CTAAAGGTCCCTAAAGTGAAGTATTTA							
Section 1943									
	(149535)	149535	149545	149556	149567	149578	149589	149600	149611
Candidatus Carsonella ruddii strain BT chromosome...	(149304)	TCATATGATATAAATTATAAATGGAAATGGAATAGGAGGAGGATCTATTAGAAATTTAAATTTTAAATTACAAAAAA							
Candidatus Carsonella 135557 - 167442nt	(13748)	TCATATGATATAAATTATAAATGGAAATGGAATAGGAGGAGGATCTATTAGAAATTTAAATTTTAAATTACAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(12950)	TACTTTATTAAGGATTAAAC--AACTTAAATAGAGGTATGTTAC--TTGGTAGTTTAGCTGCCACAGTACGTCTACA							
Section 1944									
	(149612)	149612	149622	149633	149644	149655	149666	149677	149688
Candidatus Carsonella ruddii strain BT chromosome...	(149381)	AAATTTTTTTTATCAAAAGAAAATAAATCTAATTTTTTAAATTTTTTTAAAAAAGTATTCCACAACATTGTGGTA							
Candidatus Carsonella 135557 - 167442nt	(13825)	AAATTTTTTTTATCAAAAGAAAATAAATCTAATTTTTTAAATTTTTTTAAAAAAGTATTCCACAACATTGTGGTA							
SARS-CoV-2 Reference Genome NC_045512.2	(13024)	AGCTGGTAAAT---GCAACAGAAATGCGCTGCAATT---CAACTGTATTA-----TCTTTC-----TGTGCTT							

SARS-CoV-2 & Bakterien.apr

			Section 1945																													
	(149689)	149689	149699	149710	149721	149732	149743	149754	149765																							
Candidatus Carsonella ruddii strain BT chromosome...	(149458)	TTGCAATAGGTTT	TAGATAGATTATTTT	TATTAATATTTTAAACAAATATTA	AAAAATATAATTACATATCAAAAATAT																											
Candidatus Carsonella 135557 - 167442nt	(13902)	TTGCAATAGGTTT	TAGATAGATTATTTT	TATTAATATTTTAAACAAATATTA	AAAAATATAATTACATATCAAAAATAT																											
SARS-CoV-2 Reference Genome NC_045512.2	(13080)	TTGCTGTAGATGCTGCTA	-----	AA	GCTT	---A	CAAA	GATTATCTAGCTAGTGGGGG	ACAA	CC	AATCA																					
			Section 1946																													
	(149766)	149766	149776	149787	149798	149809	149820	149831	149842																							
Candidatus Carsonella ruddii strain BT chromosome...	(149535)	AAAAAATTAATAAAATCAA	---	TAAACATTATGATATTAAT	TGAAAAAATATCAACAATAAATTTAATTTTAA																											
Candidatus Carsonella 135557 - 167442nt	(13979)	AAAAAATTAATAAAATCAA	---	TAAACATTATGATATTAAT	TGAAAAAATATCAACAATAAATTTAATTTTAA																											
SARS-CoV-2 Reference Genome NC_045512.2	(13140)	CTAATTGTGT	TAAAGATGTTGTG	TACACAC	ACTG	GTA	CTGGT	CAGGC	AA	TAA	CAGTTACA	CCGGAA	GCC	AATAT	TGGA																	
			Section 1947																													
	(149843)	149843	149853	149864	149875	149886	149897	149908	149919																							
Candidatus Carsonella ruddii strain BT chromosome...	(149609)	AAAAAATTAATAAGT	TAAATTAATAAATAATTTT	TATCTTTTTT	TTTAAATATTAATAAATAAATA																											
Candidatus Carsonella 135557 - 167442nt	(14053)	AAAAAATTAATAAGT	TAAATTAATAAATAATTTT	TATCTTTTTT	TTTAAATATTAATAAATAAATA																											
SARS-CoV-2 Reference Genome NC_045512.2	(13216)	TC	AA	GAATCCT	TTGGTGGT	-----	GC	AT	CGTGTGTCTGTAC	TGCCG	TTGCC	ACATAGAT	CA	TCC	AAATC																	
			Section 1948																													
	(149920)	149920	149930	149941	149952	149963	149974	149985	149996																							
Candidatus Carsonella ruddii strain BT chromosome...	(149686)	ATAAAAATCAAAAATTTT	TATACAAATAAATTT	---	TAAAAACAAAA	AAAAAAAAAATTTTTT	TTTTC	ACTTT	TTTTTT																							
Candidatus Carsonella 135557 - 167442nt	(14130)	ATAAAAATCAAAAATTTT	TATACAAATAAATTT	---	TAAAAACAAAA	AAAAAAAAAATTTTTT	TTTTC	ACTTT	TTTTTT																							
SARS-CoV-2 Reference Genome NC_045512.2	(13281)	C	TAA	AGG	-----	A	TTTT	GT	GC	AC	TT	AAA	GGT	AAG	TATGT	AC	AAA	T	ACCT	ACA	ACT	TT	GT	GC	TAA	T	GA	CC	CT	GT	GGG	TT
			Section 1949																													
	(149997)	149997	150007	150018	150029	150040	150051	150062	150073																							
Candidatus Carsonella ruddii strain BT chromosome...	(149761)	ATTTTAAATAACATAAAAA	TAAAAA	AAATTTTTT	TATTTTATTTTATTTTCAAA	TAT	TATATT	TATTAGGAAAGATGGTA																								
Candidatus Carsonella 135557 - 167442nt	(14205)	ATTTTAAATAACATAAAAA	TAAAAA	AAATTTTTT	TATTTTATTTTATTTTCAAA	TAT	TATATT	TATTAGGAAAGATGGTA																								
SARS-CoV-2 Reference Genome NC_045512.2	(13353)	---	TT	---	ACA	-----	CT	TAAAAA	CA	AG	T	CT	GT	-----	ACCG	T	CT	GC	GG	TAT	GT	GGAAAG	G	TAT	G							
			Section 1950																													
	(150074)	150074	150084	150095	150106	150117	150128	150139	150150																							
Candidatus Carsonella ruddii strain BT chromosome...	(149838)	GA	GT	GGTT	TAATACATCGGT	CTT	TGAAAA	CCG	AAAAAGTTAATTCTTT	CCAGGG	TTC	GAATCC	CTGTCTTT	TCC	CAAAA																	
Candidatus Carsonella 135557 - 167442nt	(14282)	GA	GT	GGTT	TAATACATCGGT	CTT	TGAAAA	CCG	AAAAAGTTAATTCTTT	CCAGGG	TTC	GAATCC	CTGTCTTT	TCC	CAAAA																	
SARS-CoV-2 Reference Genome NC_045512.2	(13404)	G	CT	GT	AGTT	-----	GT	GAT	CAA	CT	CCG	CG	AA	C	-----	CCA	T	G	CTT	C	AGT	CAG	CTG	A	---	TGC	---	ACAA				

SARS-CoV-2 & Bakterien.apr

			Section 1951									
			(150151)	150151	150161	150172	150183	150194	150205	150216	150227	
Candidatus Carsonella ruddii strain BT chromosome...	(149914)		AAA	TTTTA	ATTTCTAT	TTTATCTAT	TAAAAA	AGAATTT	TTTAAAA	AAAAAT	TACTAATTAAAA	TAAATTATAAGTAATTTT
Candidatus Carsonella 135557 - 167442nt	(14358)		AAA	TTTTA	ATTTCTAT	TTTATCTAT	TAAAAA	AGAATTT	TTTAAAA	AAAAAT	TACTAATTAAAA	TAAATTATAAGTAATTTT
SARS-CoV-2 Reference Genome NC_045512.2	(13457)		TCG	TTTTT	TA	AACGGG	TTT	GCGGT	GT	TA	AGTGC	AGCCCGTCTTACACCG-TGCGG--CACAAGGCAC
			Section 1952									
			(150228)	150228	150238	150249	150260	150271	150282	150293	150304	
Candidatus Carsonella ruddii strain BT chromosome...	(149991)		T	TATATTAT	CATATAGAT	TTTAATGAAT	TTCAAT	TATGTTAA	TAA	TGAT	TCGTTTTGT	---ATTAATGAAATTTTATT
Candidatus Carsonella 135557 - 167442nt	(14435)		T	TATATTAT	CATATAGAT	TTTAATGAAT	TTCAAT	TATGTTAA	TAA	TGAT	TCGTTTTGT	---ATTAATGAAATTTTATT
SARS-CoV-2 Reference Genome NC_045512.2	(13531)		G	TAT	-----	ACAGGG	GCTTT	TGACAT	CT	TACAAT	GAT	----AAAGTAGCTGGTTTTGCTAAATTCC
			Section 1953									
			(150305)	150305	150315	150326	150337	150348	150359	150370	150381	
Candidatus Carsonella ruddii strain BT chromosome...	(150065)		T	TTAATAA	TTTATGTT	AAAAAAT	TTTTTT	AAATAT	ATAAAAT	AGAAT	TACATTTAAT	TGAATAAAATATTTAAATATAAAAA
Candidatus Carsonella 135557 - 167442nt	(14509)		T	TTAATAA	TTTATGTT	AAAAAAT	TTTTTT	AAATAT	ATAAAAT	AGAAT	TACATTTAAT	TGAATAAAATATTTAAATATAAAAA
SARS-CoV-2 Reference Genome NC_045512.2	(13598)		G	TT	GTCGC	TT	C----	C	AA	GAAA	AGGACG	AA
			Section 1954									
			(150382)	150382	150392	150403	150414	150425	150436	150447	150458	
Candidatus Carsonella ruddii strain BT chromosome...	(150142)		A	TAAAA	TAAAAA	AAATTTT	TCATTT	TGAAAA	TAATTTT	T	TAGGAAAA	AAATTTAACCAATTGGTTATAAATTTTGTGTGG
Candidatus Carsonella 135557 - 167442nt	(14586)		A	TAAAA	TAAAAA	AAATTTT	TCATTT	TGAAAA	TAATTTT	T	TAGGAAAA	AAATTTAACCAATTGGTTATAAATTTTGTGTGG
SARS-CoV-2 Reference Genome NC_045512.2	(13662)		A	CACACT	TTCTCT	TA	ACT	TACCA	ACAT	GAA	GAAAC	AATTTATA---ATTTACTTAAAGGATTGTCCAGC----
			Section 1955									
			(150459)	150459	150469	150480	150491	150502	150513	150524	150535	
Candidatus Carsonella ruddii strain BT chromosome...	(150219)		T	ATAAT	TATATTTT	TTTTAAAA	AAAAAATTTATT	AATAAT	GTCTGTG	TTACCTGG	ATT	TGGTAATCAAAAAATTTTAA
Candidatus Carsonella 135557 - 167442nt	(14663)		T	ATAAT	TATATTTT	TTTTAAAA	AAAAAATTTATT	AATAAT	GTCTGTG	TTACCTGG	ATT	TGGTAATCAAAAAATTTTAA
SARS-CoV-2 Reference Genome NC_045512.2	(13731)		TA	-AA	CAT	GAC	TTCTTA	-----	AGTT	TAG	AAATA--	GACGGTG--ACATGG--TACCACATATATCACTCAACG
			Section 1956									
			(150536)	150536	150546	150557	150568	150579	150590	150601	150612	
Candidatus Carsonella ruddii strain BT chromosome...	(150296)		A	AAAA	ACTAAAT	ACATATAT	TATTA	AAAAATCA	AAAAATAT	AGATGGT	GGCATT	---AATAAAATAATTTATAAATTTTAA
Candidatus Carsonella 135557 - 167442nt	(14740)		A	AAAA	ACTAAAT	ACATATAT	TATTA	AAAAATCA	AAAAATAT	AGATGGT	GGCATT	---AATAAAATAATTTATAAATTTTAA
SARS-CoV-2 Reference Genome NC_045512.2	(13794)		T	CTT	ACTAAAT	AC	A-AT	GGCA	GA	CC	TC	GTC-TATGCTTAAAGGCATTTTGATGAAGGTAATTTGTGACACATTAA

SARS-CoV-2 & Bakterien.apr

		Section 1957							
		(150613)	150613	150623	150634	150645	150656	150667	150678 150689
Candidatus Carsonella ruddii strain BT chromosome...	(150370)	AAAAATTATTTTAATAAAATAAATTATAGGGTCTAATATTATAAATTTTAAAAAAATAAATTCGTTTTTTTTATAAAT							
Candidatus Carsonella 135557 - 167442nt	(14814)	AAAAATTATTTTAATAAAATAAATTATAGGGTCTAATATTATAAATTTTAAAAAAATAAATTCGTTTTTTTTATAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(13869)	AGAAATACTTGTCACATACAAATTGTTGTGATGATGATTAT----TTCAAATAAAAGGACTGGTATGATT-----T							
		Section 1958							
		(150690)	150690	150700	150711	150722	150733	150744	150755 150766
Candidatus Carsonella ruddii strain BT chromosome...	(150447)	TTTATAAAAAATGAATATTTAAATTAAATAAAAAATTTTATTTTAA-GTATTAACTA---TTTAAATAATTCATATTT							
Candidatus Carsonella 135557 - 167442nt	(14891)	TTTATAAAAAATGAATATTTAAATTAAATAAAAAATTTTATTTTAA-GTATTAACTA---TTTAAATAATTCATATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(13935)	TGTAAGAAAACCCAGATATATTACGCGTATACGCCAACCTTAGGTGAACGTGTACGGCAAGC---TTTGTAA--AACAGT							
		Section 1959							
		(150767)	150767	150777	150788	150799	150810	150821	150832 150843
Candidatus Carsonella ruddii strain BT chromosome...	(150520)	ACCTCCTTGAGCTGCAATATTTATTGTTACTGTTTTCATTATTAATGAATTAAATATAATTACCACTCTCTGCTT							
Candidatus Carsonella 135557 - 167442nt	(14964)	ACCTCCTTGAGCTGCAATATTTATTGTTACTGTTTTCATTATTAATGAATTAAATATAATTACCACTCTCTGCTT							
SARS-CoV-2 Reference Genome NC_045512.2	(14010)	ACAAATTCGTGATGCCATGCCGAATGCTGGTATTGTTGG---TGTACTGACATAGATAATCAAGATCTCAA--T							
		Section 1960							
		(150844)	150844	150854	150865	150876	150887	150898	150909 150920
Candidatus Carsonella ruddii strain BT chromosome...	(150597)	TTGGTCCAGTACCAGATAAATTACATCCACCAAAAGGTTGCATACCACCAATTGGCTCCTATAGTATTTCTATTTATA							
Candidatus Carsonella 135557 - 167442nt	(15041)	TTGGTCCAGTACCAGATAAATTACATCCACCAAAAGGTTGCATACCACCAATTGGCTCCTATAGTATTTCTATTTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(14080)	G-----GTAACCTGGTA--TGATTTCGGT-----GATTTCATACAAACCAACGCCAGGTAGTGGAGTTCTGTTGTA							
		Section 1961							
		(150921)	150921	150931	150942	150953	150964	150975	150986 150997
Candidatus Carsonella ruddii strain BT chromosome...	(150674)	TAAATATTTCTATATTTAATTTATTAGCTAAATATTTATAAAAAGATTTCATTTCTACTATGAATTCCTAAAGTTA-							
Candidatus Carsonella 135557 - 167442nt	(15118)	TAAATATTTCTATATTTAATTTATTAGCTAAATATTTATAAAAAGATTTCATTTCTACTATGAATTCCTAAAGTTA-							
SARS-CoV-2 Reference Genome NC_045512.2	(14143)	GA-----TTCCTATTATTATT-----GTTAATGCCATATATTAACTTGACCAAGGGCTTTAACTGC--AGAGTCAAC							
		Section 1962							
		(150998)	150998	151008	151019	151030	151041	151052	151063 151074
Candidatus Carsonella ruddii strain BT chromosome...	(150750)	ATCCATATTCTACATTATTAATATCTTTTATTATATCATTTAATTTGTCGTTTTTATAAATTGCTACATGCAATATA							
Candidatus Carsonella 135557 - 167442nt	(15194)	ATCCATATTCTACATTATTAATATCTTTTATTATATCATTTAATTTGTCGTTTTTATAAATTGCTACATGCAATATA							
SARS-CoV-2 Reference Genome NC_045512.2	(14207)	ATGTTGACACTGACTTAACAAAGCCTTA-----CATTAAAGTGGGATTGTTAAATATGACTTCAAGGAAGAGA							

SARS-CoV-2 & Bakterien.apr

			Section 1963											
			(151075)	151075	151085	151096	151107	151118	151129	151140	151151			
Candidatus Carsonella ruddii strain BT chromosome...	(150827)			GGACCAAACTGTT	CAGATT	TTAAAT	CAATTTATT	CCATT	TACTCTAATA	AATGTAGGTTT	TATAAAATTTCCATT	TAT		
Candidatus Carsonella 135557 - 167442nt	(15271)			GGACCAAACTGTT	CAGATT	TTAAAT	CAATTTATT	CCATT	TACTCTAATA	AATGTAGGTTT	TATAAAATTTCCATT	TAT		
SARS-CoV-2 Reference Genome NC_045512.2	(14276)			GGTTAAAACTC	TTTGACCG	TTA	TTTAAATATT	GGGATC	GAGACAT	ACCACCCAAAT	TGTGTAACTG	TTTGGAATGAC		
			Section 1964											
			(151152)	151152	151162	151173	151184	151195	151206	151217	151228			
Candidatus Carsonella ruddii strain BT chromosome...	(150904)			TGGTA-ATTCTGT	TATTATTAAAT	TTTTTATCAT	TTTTTTTAT	---	ACTTTT	-----	TAAATATTTTTTTTAAAT	TATT		
Candidatus Carsonella 135557 - 167442nt	(15348)			TGGTA-ATTCTGT	TATTATTAAAT	TTTTTATCAT	TTTTTTTAT	---	ACTTTT	-----	TAAATATTTTTTTTAAAT	TATT		
SARS-CoV-2 Reference Genome NC_045512.2	(14353)			AGATGCA	ATTCTGCATT	GTGCAAC	TTTAATGT	TTTTATTCT	CTACAG	TGTTCCCACT	TACAAGTTTT	GGACCACTAGT		
			Section 1965											
			(151229)	151229	151239	151250	151261	151272	151283	151294	151305			
Candidatus Carsonella ruddii strain BT chromosome...	(150970)			TAAATTTCT	TATTTGTTATAAT	TGGACCAAT	TATCAGTTT	CAGATCCAAC	GGATCTCCT	ATTTTTTAAAT	TATTTTAAAC			
Candidatus Carsonella 135557 - 167442nt	(15414)			TAAATTTCT	TATTTGTTATAAT	TGGACCAAT	TATCAGTTT	CAGATCCAAC	GGATCTCCT	ATTTTTTAAAT	TATTTTAAAC			
SARS-CoV-2 Reference Genome NC_045512.2	(14430)			GAGAAAAA	TATTTGTT	GATGGT	TGTTCCAT	TGTAGTTT	CAGCTGGAT	ACC-ACTTC	AGAGAGCTAGG	TGTGTGTA	CAT	
			Section 1966											
			(151306)	151306	151316	151327	151338	151349	151360	151371	151382			
Candidatus Carsonella ruddii strain BT chromosome...	(151047)			ATTCA--	AATAAAATTT	TAATAGTT	TGTTAAAT	TAAATGATT	CATTTAAAT	TATAAAAGTCT	TAAAGCTGAACAT	-CTT		
Candidatus Carsonella 135557 - 167442nt	(15491)			ATTCA--	AATAAAATTT	TAATAGTT	TGTTAAAT	TAAATGATT	CATTTAAAT	TATAAAAGTCT	TAAAGCTGAACAT	-CTT		
SARS-CoV-2 Reference Genome NC_045512.2	(14506)			AA	TCAGGATGT	AAAC	TTACATAGCT	CTAGACT	---	TAGTTT	TAAAGGAATTA	CTTGTGTATGCT-GCTGAC	CCCTGCTA	
			Section 1967											
			(151383)	151383	151393	151404	151415	151426	151437	151448	151459			
Candidatus Carsonella ruddii strain BT chromosome...	(151121)			TGACCACAAC	TTT	TAAAGAAGATT	-CAAGAATAT	CTATTACTAAT	TGTTCTATT	AATGTAGAAGAA	ATCAGCTAT	CA		
Candidatus Carsonella 135557 - 167442nt	(15565)			TGACCACAAC	TTT	TAAAGAAGATT	-CAAGAATAT	CTATTACTAAT	TGTTCTATT	AATGTAGAAGAA	ATCAGCTAT	CA		
SARS-CoV-2 Reference Genome NC_045512.2	(14579)			TGCA	GGTGCTTCT	TGGTAATCT	ATTACTAG	ATAAACG	--CACTAC	GTG--CTTTTCA	-GTAGCTGCA	CTTACTAACA		
			Section 1968											
			(151460)	151460	151470	151481	151492	151503	151514	151525	151536			
Candidatus Carsonella ruddii strain BT chromosome...	(151197)			TTGTGTTT	TAATCCTCC	AGTTTCTG	CTATTAAATTT	ATGTATAGG	--TCTATTATCT--	CTCATAATAAGATTT	TTATT			
Candidatus Carsonella 135557 - 167442nt	(15641)			TTGTGTTT	TAATCCTCC	AGTTTCTG	CTATTAAATTT	ATGTATAGG	--TCTATTATCT--	CTCATAATAAGATTT	TTATT			
SARS-CoV-2 Reference Genome NC_045512.2	(14651)			ATGT	TGCTTT	TCAAAC	TGTCAAAC	CCGGTAATTT	TAACAAG	ACTTCTAT	GACTTGT	CTGTGTC	TAAGGGTT---	TC

SARS-CoV-2 & Bakterien.apr

		Section 1969							
		(151537)	151537	151547	151558	151569	151580	151591	151602 151613
Candidatus Carsonella ruddii strain BT chromosome...	(151270)		TATAAGATTAGCAATTTTATTAGAACCAGTAAATATAACACCATATATATCTTTATGAAATGATATTAATTACCAA						
Candidatus Carsonella 135557 - 167442nt	(15714)		TATAAGATTAGCAATTTTATTAGAACCAGTAAATATAACACCATATATATCTTTATGAAATGATATTAATTACCAA						
SARS-CoV-2 Reference Genome NC_045512.2	(14725)		TTTAAGGAAGGAAGTTCTGTTG-----AATTAAACAC-----TCTCTCTTTGCTCAG-GATGGTAAATGCTGCTA						
		Section 1970							
		(151614)	151614	151624	151635	151646	151657	151668	151679 151690
Candidatus Carsonella ruddii strain BT chromosome...	(151347)		TAAAAGATCCTTTTCTCTAAATTAATTGACAAACACTAACAGGAATACCAGATTT-ATATAATAATTGTATTATTTT						
Candidatus Carsonella 135557 - 167442nt	(15791)		TAAAAGATCCTTTTCTCTAAATTAATTGACAAACACTAACAGGAATACCAGATTT-ATATAATAATTGTATTATTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(14789)		TCAGCGAT--TATGACTACTATCGTT----ATAATCTACCAACAAATGTGTGATATCAGACAACTACTAT-TTGTAGT						
		Section 1971							
		(151691)	151691	151701	151712	151723	151734	151745	151756 151767
Candidatus Carsonella ruddii strain BT chromosome...	(151423)		AAAAGCTATTAAATGATGTACTTTCTGCAGGTTTAGCTAACACAACTTTCCTGTAAATTAATGCAGATATAGT--TTG						
Candidatus Carsonella 135557 - 167442nt	(15867)		AAAAGCTATTAAATGATGTACTTTCTGCAGGTTTAGCTAACACAACTTTCCTGTAAATTAATGCAGATATAGT--TTG						
SARS-CoV-2 Reference Genome NC_045512.2	(14859)		TGAAGTTGTTGATAA-GTACTTT--GATTGTT-----ACGATGGTGGCTGTAA-TTAATGCTAACCAAGTCAATCG						
		Section 1972							
		(151768)	151768	151778	151789	151800	151811	151822	151833 151844
Candidatus Carsonella ruddii strain BT chromosome...	(151498)		ACCACAAAAAATTGCAATTGGAAAAATT--CCAAGGACTAATTGTAGAAATTATACCTTTTCTTCTATAAAAATAAAT						
Candidatus Carsonella 135557 - 167442nt	(15942)		ACCACAAAAAATTGCAATTGGAAAAATT--CCAAGGACTAATTGTAGAAATTATACCTTTTCTTCTATAAAAATAAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(14924)		TCACACAACTAGACAATAAGCTGGTTTCCATTTAATAATGGGTAAAGGCTAGACTTTTATTATGATTCAATGAGT						
		Section 1973							
		(151845)	151845	151855	151866	151877	151888	151899	151910 151921
Candidatus Carsonella ruddii strain BT chromosome...	(151573)		ATTGTTTTCTCCTGTATAATTAGGTAAATAAGAAATTTTGCAAATATTATATGCTTGATTGTATATAATTATTGCAAA						
Candidatus Carsonella 135557 - 167442nt	(16017)		ATTGTTTTCTCCTGTATAATTAGGTAAATAAGAAATTTTGCAAATATTATATGCTTGATTGTATATAATTATTGCAAA						
SARS-CoV-2 Reference Genome NC_045512.2	(15001)		TATGA-----GGATCAGATGCACTTTTCGCATATACAAAAAGTAATGT-CATCCCTACTATAAATCAAAATGAA						
		Section 1974							
		(151922)	151922	151932	151943	151954	151965	151976	151987 151998
Candidatus Carsonella ruddii strain BT chromosome...	(151650)		AATCTATTGCTTCTTTAATATCAGAACTGAATCTAAAAATTGTTTTCTTGCTTCTTTACAACATAAAAAATTATTAAT						
Candidatus Carsonella 135557 - 167442nt	(16094)		AATCTATTGCTTCTTTAATATCAGAACTGAATCTAAAAATTGTTTTCTTGCTTCTTTACAACATAAAAAATTATTAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(15069)		TCTTAAGTATGCCATTAGTGC-CAAGAATAGAGCTCGCAACCGTAGCTGGTGTCTCTATCTG--TAGTACTATGAC-						

SARS-CoV-2 & Bakterien.apr

			Section 1975							
			151999	152009	152020	152031	152042	152053	152064	152075
Candidatus Carsonella ruddii strain BT chromosome...	(151999)	(151727)	TCAATAAAATTTT	TTGTAAAT	AAATGAAATAAA	TTTTT	TAATAAATATAACT	TTTTTATCAATGCTAATTAATTTCCA		
Candidatus Carsonella 135557 - 167442nt	(16171)		TCAATAAAATTTT	TTGTAAAT	AAATGAAATAAA	TTTTT	TAATAAATATAACT	TTTTTATCAATGCTAATTAATTTCCA		
SARS-CoV-2 Reference Genome NC_045512.2	(15141)		-CAATA	GACAGTTT	CATC	AAA	AATTA	TTGAAA	----	TC
			Section 1976							
			152076	152086	152097	152108	152119	152130	152141	152152
Candidatus Carsonella ruddii strain BT chromosome...	(152076)	(151804)	AAATTTAAAGATTG	TTTAATAT	TTTTATTGAATTAT	TTATACA	-TTTATCATGGTATACAAATACCATTAATAAAAA			
Candidatus Carsonella 135557 - 167442nt	(16248)		AAATTTAAAGATTG	TTTAATAT	TTTTATTGAATTAT	TTATACA	-TTTATCATGGTATACAAATACCATTAATAAAAA			
SARS-CoV-2 Reference Genome NC_045512.2	(15211)		ACA	---	AGCA	AATTC	TA	TGGTGG	TTGGC	CAACATG
			Section 1977							
			152153	152163	152174	152185	152196	152207	152218	152229
Candidatus Carsonella ruddii strain BT chromosome...	(152153)	(151880)	AAATTTATTAGAAGGTG	ATATTGAAAT	TATTTT	TTTATTTT	TATTA	AAAGAA	TTAGCA	ATATAATTTTTTTTATC
Candidatus Carsonella 135557 - 167442nt	(16324)		AAATTTATTAGAAGGTG	ATATTGAAAT	TATTTT	TTTATTTT	TATTA	AAAGAA	TTAGCA	ATATAATTTTTTTTATC
SARS-CoV-2 Reference Genome NC_045512.2	(15281)		-----	TTA	TGGG	TG	GGATT	ATCC	TAA	ATGTA
			Section 1978							
			152230	152240	152251	152262	152273	152284	152295	152306
Candidatus Carsonella ruddii strain BT chromosome...	(152230)	(151957)	AAAAATTATTATTT	TTTTT	TTAAAAA	ATACATAAAAA	TGACAAGAAATGTTTAAAT	TTATAAAAA	ATTAAAAA	TATCTCTTT
Candidatus Carsonella 135557 - 167442nt	(16401)		AAAAATTATTATTT	TTTTT	TTAAAAA	ATACATAAAAA	TGACAAGAAATGTTTAAAT	TTATAAAAA	ATTAAAAA	TATCTCTTT
SARS-CoV-2 Reference Genome NC_045512.2	(15342)		CTC	ACTTGTTT	CTTGC	TCGC	AAAC	ATACA	ACGTGT	TGTAGCTTGT
			Section 1979							
			152307	152317	152328	152339	152350	152361	152372	152383
Candidatus Carsonella ruddii strain BT chromosome...	(152307)	(152034)	TACCTCCAAATAAAT	CTATAGAAATG	-GTAATTTT	TATATATTT	---	ATCATT	TTTAAATAA	-ATAATGAATTAA
Candidatus Carsonella 135557 - 167442nt	(16478)		TACCTCCAAATAAAT	CTATAGAAATG	-GTAATTTT	TATATATTT	---	ATCATT	TTTAAATAA	-ATAATGAATTAA
SARS-CoV-2 Reference Genome NC_045512.2	(15418)		GCT	CAAGT	ATTG	AGTGA	AATG	GTCATG	TGTGGCGG	TTCACTATATG
			Section 1980							
			152384	152394	152405	152416	152427	152438	152449	152460
Candidatus Carsonella ruddii strain BT chromosome...	(152384)	(152106)	TTAATATTTT	TTTCATAT	TAGTAT	TTTTTA	TTTACCACT	TTTGT	TTACAAA	AAGATGAATTTGCACCATTTTCTAATAAT
Candidatus Carsonella 135557 - 167442nt	(16550)		TTAATATTTT	TTTCATAT	TAGTAT	TTTTTA	TTTACCACT	TTTGT	TTACAAA	AAGATGAATTTGCACCATTTTCTAATAAT
SARS-CoV-2 Reference Genome NC_045512.2	(15495)		CAC	AAC	TGC	TTAT	GCTA	AAGT	TTTTTA	----

Section 1981									
	(152461)	152461	152471	152482	152493	152504	152515	152526	152537
Candidatus Carsonella ruddii strain BT chromosome...	(152183)	CTTCTTACTAAATAAGGTAAT	TAATTCCTTTATATTTT	CCTATAGGAGCATATTTCT	TCTACATACATATA	---	ACTTTT	-TA	
Candidatus Carsonella 135557 - 167442nt	(16627)	CTTCTTACTAAATAAGGTAAT	TAATTCCTTTATATTTT	CCTATAGGAGCATATTTCT	TCTACATACATATA	---	ACTTTT	-TA	
SARS-CoV-2 Reference Genome NC_045512.2	(15559)	CTTTTATCTACTGATGGTAA	CAA-----	AATTGCCGATA	--	AGTATGTCGCCAATT	TACAAC	CAGACTTTT	ATG
Section 1982									
	(152538)	152538	152548	152559	152570	152581	152592	152603	152614
Candidatus Carsonella ruddii strain BT chromosome...	(152256)	ATTTTCTTAATGAGTTATAAA	CTACATCAGCCATAC	CATATAATTTT	TGAAATCTAATTTTCT	ATCTTTT	CTAAA		
Candidatus Carsonella 135557 - 167442nt	(16700)	ATTTTCTTAATGAGTTATAAA	CTACATCAGCCATAC	CATATAATTTT	TGAAATCTAATTTTCT	ATCTTTT	CTAAA		
SARS-CoV-2 Reference Genome NC_045512.2	(15626)	AGTGTCTCTAT	-AGAAATAGAGATGTT	GACACAGAC-----	TTTGTGAA	-TGAGTTT	TACGCATA	TTT	TGCGTAAA
Section 1983									
	(152615)	152615	152625	152636	152647	152658	152669	152680	152691
Candidatus Carsonella ruddii strain BT chromosome...	(152333)	ATTGTAATAA--	ATGAAATTGTTTGAATATT	TGAGTTGCAAAC	TGAGGTAAATATTGTT	TTTTACAAC	CATTTTGAT		
Candidatus Carsonella 135557 - 167442nt	(16777)	ATTGTAATAA--	ATGAAATTGTTTGAATATT	TGAGTTGCAAAC	TGAGGTAAATATTGTT	TTTTACAAC	CATTTTGAT		
SARS-CoV-2 Reference Genome NC_045512.2	(15694)	CATTCTCTCAA	TGATGATCTCTCTGA	CGATGCTG--	TTG-----	TGTGTTTC	AAATGCAC	TTATG--	CATCTCAAG
Section 1984									
	(152692)	152692	152702	152713	152724	152735	152746	152757	152768
Candidatus Carsonella ruddii strain BT chromosome...	(152408)	AATAAATACATTGAAC	AAAATAAATATGATAAA	TCAGTGC	AAAATTTT	TTAATATAAACT	TGGATACATATTT	AAAATT	
Candidatus Carsonella 135557 - 167442nt	(16852)	AATAAATACATTGAAC	AAAATAAATATGATAAA	TCAGTGC	AAAATTTT	TTAATATAAACT	TGGATACATATTT	AAAATT	
SARS-CoV-2 Reference Genome NC_045512.2	(15761)	GTCTAGTGGCTAGCAT	AAAGAACTT----	TAAATCAGTT	CTTTATTAT	CAAAA--	ACAATGTTT	TTTATGTTCT	GAAAGC
Section 1985									
	(152769)	152769	152779	152790	152801	152812	152823	152834	152845
Candidatus Carsonella ruddii strain BT chromosome...	(152485)	TAAAAATTGTGC--	ATTTTAACTTCATAAT	TCCCAATAAGCA	CCCTTTAA--	CTAATCTTACA--	GGTATTTTTT	---	GT
Candidatus Carsonella 135557 - 167442nt	(16929)	TAAAAATTGTGC--	ATTTTAACTTCATAAT	TCCCAATAAGCA	CCCTTTAA--	CTAATCTTACA--	GGTATTTTTT	---	GT
SARS-CoV-2 Reference Genome NC_045512.2	(15831)	AAAA	TGTTG	ACTGAGACTGAC	CTTAC	TAAAGGACCT	CATGAATTTT	GCTCTCAAC	ATACATGCTAGTTAAACAGG
Section 1986									
	(152846)	152846	152856	152867	152878	152889	152900	152911	152922
Candidatus Carsonella ruddii strain BT chromosome...	(152554)	TGTGTTTATCATAAGCAATTTT	TATTAATCCAAATATAAAG	CAGGTAAAG	GCTCTTTT	TAGAATAAGCTT	GAAATTACCAACC		
Candidatus Carsonella 135557 - 167442nt	(16998)	TGTGTTTATCATAAGCAATTTT	TATTAATCCAAATATAAAG	CAGGTAAAG	GCTCTTTT	TAGAATAAGCTT	GAAATTACCAACC		
SARS-CoV-2 Reference Genome NC_045512.2	(15908)	GTGATGATATATGT	GTACCTTCC	TTA--CC	CAGATCCAT	CAAG--AA--	TCC--TAG	GGGCCG	GCTGTTTGTAGATG

SARS-CoV-2 & Bakterien.apr

										Section 1987															
										152923	152933	152944	152955	152966	152977	152988	152999								
Candidatus Carsonella ruddii strain BT chromosome...	(152631)	(152923)	CAAAAC	TATTCCA	ATATAA	CAATATTT	TGTAT	AAAATATT	TCACT	TAAATAAA	TATAAAT	TTAATT	CCATT	CTAT	CA										
Candidatus Carsonella 135557 - 167442nt	(17075)	(152923)	CAAAAC	TATTCCA	ATATAA	CAATATTT	TGTAT	AAAATATT	TCACT	TAAATAAA	TATAAAT	TTAATT	CCATT	CTAT	CA										
SARS-CoV-2 Reference Genome NC_045512.2	(15977)	(152923)	AT	TCGTA	AAAAC	AGAT	GGTAC	AC	TTAT	GAT	TGAA	CGGTT	CGTGT	CTTT	TAGC	TATAGAT	GCTTAC	CCAC	TTAC	TAA					
										Section 1988															
										153000	153010	153021	153032	153043	153054	153065	153076								
Candidatus Carsonella ruddii strain BT chromosome...	(152708)	(153000)	CAT	TCT	TCAG	CATCTAT	TGTT	TAAAGAT	GAA	TTTGCT	TTTTT	TAAACAC	CTAT	TAC	TAAAATTTT	TAAAATAGGA	ATTAA								
Candidatus Carsonella 135557 - 167442nt	(17152)	(153000)	CAT	TCT	TCAG	CATCTAT	TGTT	TAAAGAT	GAA	TTTGCT	TTTTT	TAAACAC	CTAT	TAC	TAAAATTTT	TAAAATAGGA	ATTAA								
SARS-CoV-2 Reference Genome NC_045512.2	(16053)	(153000)	ACAT	TCCT	TAAT	TCAGGAG	TA--	TGCT	GATG	TC	TTT	-CAT	TTTGTA	CTTA	CAAT	ACA	TAA	GAA	AGC	TAC	AT	GT	AT	GAG	TTAA
										Section 1989															
										153077	153087	153098	153109	153120	153131	153142	153153								
Candidatus Carsonella ruddii strain BT chromosome...	(152785)	(153077)	ATCTCT	TATAT	ACTA	TATTG	CT	TATTAG	AAAAAG	CAATAT	TTAGGAT	TTAAAGCT	GATAAT	TTAATAG	AAACAG	TTG	GAA								
Candidatus Carsonella 135557 - 167442nt	(17229)	(153077)	ATCTCT	TATAT	ACTA	TATTG	CT	TATTAG	AAAAAG	CAATAT	TTAGGAT	TTAAAGCT	GATAAT	TTAATAG	AAACAG	TTG	GAA								
SARS-CoV-2 Reference Genome NC_045512.2	(16127)	(153077)	CAGGAC	ACAT	GT	TAGACA	TG	TATT	CTGTT	AT	GCT	TAC	TAA	TGAT	--AA	CACT	TC-AA	GGTA	TTGG	GAA	CTGA	GTTT			
										Section 1990															
										153154	153164	153175	153186	153197	153208	153219	153230								
Candidatus Carsonella ruddii strain BT chromosome...	(152862)	(153154)	TAC	GAT	-CTAT	ATTTAA	ACCTAA	ATAACT	ATTACT	TAATAT	TATTA	AATTAT	TTT	TAAATAT	TGAT	TAAAAA	ATTTTT								
Candidatus Carsonella 135557 - 167442nt	(17306)	(153154)	TAC	GAT	-CTAT	ATTTAA	ACCTAA	ATAACT	ATTACT	TAATAT	TATTA	AATTAT	TTT	TAAATAT	TGAT	TAAAAA	ATTTTT								
SARS-CoV-2 Reference Genome NC_045512.2	(16201)	(153154)	TAT	GAGG	CTAT	GTAC	ACACC	GCA	TACAG	TC	TTAC	--AG	GC	TGTT	GGGGC	TTG	TGTTCT	TTTGC	AATTC	ACAGAC	TT--				
										Section 1991															
										153231	153241	153252	153263	153274	153285	153296	153307								
Candidatus Carsonella ruddii strain BT chromosome...	(152938)	(153231)	TG	CAT	CATAA	TATG	TAA	TG	CTGCTT	CACCTAA	CATATCA	AAAAGA	ATAA	TATTT	TATCTG	ATAA	AGATTTT	TTTA							
Candidatus Carsonella 135557 - 167442nt	(17382)	(153231)	TG	CAT	CATAA	TATG	TAA	TG	CTGCTT	CACCTAA	CATATCA	AAAAGA	ATAA	TATTT	TATCTG	ATAA	AGATTTT	TTTA							
SARS-CoV-2 Reference Genome NC_045512.2	(16274)	(153231)	--CAT	--TAA	GATG	----	TG	TGCTT	G-----	CATA	CGT	AGACC	AT-----	TCTTAT	GTTG	TAA--	ATGC	TGTTA							
										Section 1992															
										153308	153318	153329	153340	153351	153362	153373	153384								
Candidatus Carsonella ruddii strain BT chromosome...	(153015)	(153308)	TAG	CTGA	AATTT	TCATTT	TGA	GA	AATAA	CAAAAT	TTTTT	TTCC	TATAT	TTTTC	ATAAC	CATAAT	TTGAAAA	AAAAA	CAATT						
Candidatus Carsonella 135557 - 167442nt	(17459)	(153308)	TAG	CTGA	AATTT	TCATTT	TGA	GA	AATAA	CAAAAT	TTTTT	TTCC	TATAT	TTTTC	ATAAC	CATAAT	TTGAAAA	AAAAA	CAATT						
SARS-CoV-2 Reference Genome NC_045512.2	(16329)	(153308)	CGA	CA--	TGTC	ATAT	CAAC	ATCA	CA	TAAATT	AGT	CTTG	CTG	TTAATC	----	CGTATG	TTTGC	AA	TGCTC	CAGGT					

SARS-CoV-2 & Bakterien.apr

		Section 1993							
		(153385)	153385	153395	153406	153417	153428	153439	153450 153461
Candidatus Carsonella ruddii strain BT chromosome...	(153092)		ATTTTCTAAAAACAAATATAATTAAATTATAATTA	-----	TTTACATTTT	TTTGTGTA	AAAAAATTTG	AAACAAAA	
Candidatus Carsonella 135557 - 167442nt	(17536)		ATTTTCTAAAAACAAATATAATTAAATTATAATTA	-----	TTTACATTTT	TTTGTGTA	AAAAAATTTG	AAACAAAA	
SARS-CoV-2 Reference Genome NC_045512.2	(16399)		TGTGATGTCA	---CAGATGTGAC	TCAACCTTAC	TTAGGAGGTA	TGAGCTATTAT	TTGTAAATC	ACATAAACCACCAT
		Section 1994							
		(153462)	153462	153472	153483	153494	153505	153516	153527 153538
Candidatus Carsonella ruddii strain BT chromosome...	(153164)		TCTATTATCATATTATAAAAAATAATTTTCCAATATTCTGAAGA	-ATAATAATA	TTTCCATTCTT	CAAAA	GATAATT		
Candidatus Carsonella 135557 - 167442nt	(17608)		TCTATTATCATATTATAAAAAATAATTTTCCAATATTCTGAAGA	-ATAATAATA	TTTCCATTCTT	CAAAA	GATAATT		
SARS-CoV-2 Reference Genome NC_045512.2	(16473)		TAGTTTTC	CATGTGTG----	TAATGGA	CAGTTT	TGTTTATATAA	AAATACATGTG	TTGGT--AGCGATAATG
		Section 1995							
		(153539)	153539	153549	153560	153571	153582	153593	153604 153615
Candidatus Carsonella ruddii strain BT chromosome...	(153240)		TATCTTTTATAAAAGAATTAGATGTAAATAATCTGGAA	TTCTTAATAA	--AGATTCT	GTCTAACAC	ATCATT	TGTA	
Candidatus Carsonella 135557 - 167442nt	(17684)		TATCTTTTATAAAAGAATTAGATGTAAATAATCTGGAA	TTCTTAATAA	--AGATTCT	GTCTAACAC	ATCATT	TGTA	
SARS-CoV-2 Reference Genome NC_045512.2	(16544)		TTACTGACTTT	AAATGCAATTG	CAACATGTG	ACTGGACAA	ATGCTGGTGA	TTACATT	TTAGCTAACACCTGTACTGAA
		Section 1996							
		(153616)	153616	153626	153637	153648	153659	153670	153681 153692
Candidatus Carsonella ruddii strain BT chromosome...	(153315)		TTCTTCCTTAGTACTTAAATTATAAATATTTAATA	-TATTTATCTAT	ATTATCTAAAT	---TTGTGT	TTTTTCTACT		
Candidatus Carsonella 135557 - 167442nt	(17759)		TTCTTCCTTAGTACTTAAATTATAAATATTTAATA	-TATTTATCTAT	ATTATCTAAAT	---TTGTGT	TTTTTCTACT		
SARS-CoV-2 Reference Genome NC_045512.2	(16621)		AGACT--CAAGC	TTTTTGCAGC	AGAAACGC	TCAAAGC	TACTGAGGAG	ACATTTAA	ACTGCTTTATGGTATTGCTACT
		Section 1997							
		(153693)	153693	153703	153714	153725	153736	153747	153758 153769
Candidatus Carsonella ruddii strain BT chromosome...	(153388)		TT-CATTAATTAAACTATAAGAAATGTTCTACATTATCG	AAAAAATCATTTG	AAAAAGAA	CAATTTTTT	TAAA-AT		
Candidatus Carsonella 135557 - 167442nt	(17832)		TT-CATTAATTAAACTATAAGAAATGTTCTACATTATCG	AAAAAATCATTTG	AAAAAGAA	CAATTTTTT	TAAA-AT		
SARS-CoV-2 Reference Genome NC_045512.2	(16696)		GACGTGAAGTGCTGT	CTGACAGAGAA	TTACATCTTT	CATCGGAA	GTGGTAA	-ACCTAGAC	CAACACTTAACCGAA
		Section 1998							
		(153770)	153770	153780	153791	153802	153813	153824	153835 153846
Candidatus Carsonella ruddii strain BT chromosome...	(153463)		ATTAAATAAATAGATATTTTCATCTATTAAAGTAATAT	TACTTACTAT	GTGTTTAA	AAAAAAT	TATAAG	TCATATTTT	
Candidatus Carsonella 135557 - 167442nt	(17907)		ATTAAATAAATAGATATTTTCATCTATTAAAGTAATAT	TACTTACTAT	GTGTTTAA	AAAAAAT	TATAAG	TCATATTTT	
SARS-CoV-2 Reference Genome NC_045512.2	(16772)		ATTATGTC	TTACTGGTTAT	CTGTGTA	ACTAAAA	CAGTAAG	TACAAATAGGA	GAGTACACCTTTGAAAAAGGTGAC

SARS-CoV-2 & Bakterien.apr

Section 1999									
	(153847)	153847	153857	153868	153879	153890	153901	153912	153923
Candidatus Carsonella ruddii strain BT chromosome...	(153540)	TTTAAAT	TATAATAAT	TGTTTAATTGGGTT	--AGTAATTATATATATAAAAGCTCCTATTTTTGTAAAGTGAAGATT	TGA			
Candidatus Carsonella 135557 - 167442nt	(17984)	TTTAAAT	TATAATAAT	TGTTTAATTGGGTT	--AGTAATTATATATATAAAAGCTCCTATTTTTGTAAAGTGAAGATT	TGA			
SARS-CoV-2 Reference Genome NC_045512.2	(16849)	TATGG-TGATGCTGT	TGTTTA	CCGAGGTACA	CAACCTTACA	AATTAATGTTGGT	TGATTAT-TTT	GTGCTGACATCA	
Section 2000									
	(153924)	153924	153934	153945	153956	153967	153978	153989	154000
Candidatus Carsonella ruddii strain BT chromosome...	(153615)	GAGATGGAAAT	CAATCTTTA	ATTAA	TGGATATGATAT	TAAAAA	AAATAGAAATTTGGAATATTCTTTTAAATATA		
Candidatus Carsonella 135557 - 167442nt	(18059)	GAGATGGAAAT	CAATCTTTA	ATTAA	TGGATATGATAT	TAAAAA	AAATAGAAATTTGGAATATTCTTTTAAATATA		
SARS-CoV-2 Reference Genome NC_045512.2	(16924)	CATACAGTAA	TGCC-----	ATTAA	GTGCACCTACACTA	GTGCCACAA	GAGCACTATGTTAGAA	TTACTGGCTTATA	
Section 2001									
	(154001)	154001	154011	154022	154033	154044	154055	154066	154077
Candidatus Carsonella ruddii strain BT chromosome...	(153692)	GGAATAAAACAA	-ATCGTTAT	TGGGTTTCCT	TCATCAAA	TAAACATGATTACA	ATTTTATAAAGTATTTAATTAATA		
Candidatus Carsonella 135557 - 167442nt	(18136)	GGAATAAAACAA	-ATCGTTAT	TGGGTTTCCT	TCATCAAA	TAAACATGATTACA	ATTTTATAAAGTATTTAATTAATA		
SARS-CoV-2 Reference Genome NC_045512.2	(16995)	CCCACACTCAA	TATCTCAGA	TGAGTTTCT	AGCAATGT	TGCAAA	TATCAAAAGGTTGGTATGCA--AAAGTATTC		
Section 2002									
	(154078)	154078	154088	154099	154110	154121	154132	154143	154154
Candidatus Carsonella ruddii strain BT chromosome...	(153768)	ATAAATTAATTA	AAAAAATA	TAAC	TGATCTGTAT	TAGTTCCAT-GTAAAAA	AAATCTTATAGATTTAAGTTTTAA		
Candidatus Carsonella 135557 - 167442nt	(18212)	ATAAATTAATTA	AAAAAATA	TAAC	TGATCTGTAT	TAGTTCCAT-GTAAAAA	AAATCTTATAGATTTAAGTTTTAA		
SARS-CoV-2 Reference Genome NC_045512.2	(17070)	TACACTCCAGG	ACCACCTGGTACTG	GTAAGAGT	CATTTTGTCTATT	TGGCCTAGCTCTCT	ACTACCCCTCTGCTCGCA		
Section 2003									
	(154155)	154155	154165	154176	154187	154198	154209	154220	154231
Candidatus Carsonella ruddii strain BT chromosome...	(153844)	TA-TGATTAAAA	TTTAGATAATGCAGTTT	TACATTTATATAAT	TCTGTATCTAAAAATCAAA	GAAAAAAGTATTT			
Candidatus Carsonella 135557 - 167442nt	(18288)	TA-TGATTAAAA	TTTAGATAATGCAGTTT	TACATTTATATAAT	TCTGTATCTAAAAATCAAA	GAAAAAAGTATTT			
SARS-CoV-2 Reference Genome NC_045512.2	(17147)	TAGTGTATACAGC	TTGCTCTCATGC	CGCTGT-----	TGATGCAC	TATGTGAGAA	G---GCATTAAA	ATATTT	
Section 2004									
	(154232)	154232	154242	154253	154264	154275	154286	154297	154308
Candidatus Carsonella ruddii strain BT chromosome...	(153920)	AAATTTAATA	AAAAA	AAACTTTGAAATTTT	CATTAGAAA	AGTA-TAAAA	TATACTATTTCAATTATA	AAAAAATA	
Candidatus Carsonella 135557 - 167442nt	(18364)	AAATTTAATA	AAAAA	AAACTTTGAAATTTT	CATTAGAAA	AGTA-TAAAA	TATACTATTTCAATTATA	AAAAAATA	
SARS-CoV-2 Reference Genome NC_045512.2	(17211)	GCCT--ATA	GATAAA	TGTAGTAGAA	TTATACCT--GCACGT	GCTCGTGTAGAG	TGTTT--TGATAAA	TTCAAAGT	

SARS-CoV-2 & Bakterien.apr

Section 2005																																															
	(154309)	154309	154319	154330	154341	154352	154363	154374	154385																																						
Candidatus Carsonella ruddii strain BT chromosome...	(153996)	AAAACATTCATT	TTCAAT	TATTCTC	-CTGAAAGTT	TTTTTCAGATAGTGAATTATTT	TTTTTC	AAAAAAA	ATTTCTTTT																																						
Candidatus Carsonella 135557 - 167442nt	(18440)	AAAACATTCATT	TTCAAT	TATTCTC	-CTGAAAGTT	TTTTTCAGATAGTGAATTATTT	TTTTTC	AAAAAAA	ATTTCTTTT																																						
SARS-CoV-2 Reference Genome NC_045512.2	(17280)	GAA	-----	TTCAA	CATTAGAA	CAGTATGTCTTTTGTACTGTAAATGCATTGCC	TGAGACG	ACAGCAGAT	TAT-A																																						
Section 2006																																															
	(154386)	154386	154396	154407	154418	154429	154440	154451	154462																																						
Candidatus Carsonella ruddii strain BT chromosome...	(154072)	TTTTTCTT	TATTTATGTTATTT	AAATAAA	-ATAAAATCTATTTTAAAT	-TTACCAATAACAG	TAGATAATATATTAC	C																																							
Candidatus Carsonella 135557 - 167442nt	(18516)	TTTTTCTT	TATTTATGTTATTT	AAATAAA	-ATAAAATCTATTTTAAAT	-TTACCAATAACAG	TAGATAATATATTAC	C																																							
SARS-CoV-2 Reference Genome NC_045512.2	(17347)	GTTGTCT	--TTGATG	AAATTTCAAT	GGCCACAAAT	TATGATTTGAGTGT	TTGTCAATGC	CAG	-----ATTACG																																						
Section 2007																																															
	(154463)	154463	154473	154484	154495	154506	154517	154528	154539																																						
Candidatus Carsonella ruddii strain BT chromosome...	(154147)	TAAATAAAT	TATTAATTCAATT	TAAATATATTA	TACAAAAACATAAAT	TTAATTC	TGTTTTATCTG	-CTCATAT	-ACATAA																																						
Candidatus Carsonella 135557 - 167442nt	(18591)	TAAATAAAT	TATTAATTCAATT	TAAATATATTA	TACAAAAACATAAAT	TTAATTC	TGTTTTATCTG	-CTCATAT	-ACATAA																																						
SARS-CoV-2 Reference Genome NC_045512.2	(17412)	TGCTAA	GCACTAT	TGTGTACATT	GGCGACCC	TGCTCAA	T-TACC	TGCACCA	CGCACAT	TGCTAACT	AGGGCACA	CTA																																			
Section 2008																																															
	(154540)	154540	154550	154561	154572	154583	154594	154605	154616																																						
Candidatus Carsonella ruddii strain BT chromosome...	(154222)	TGATAT	GGGTAAT	GCAATT	TCTAATTCAATT	TTATCATTAT	TATCTAGT	ATAAAAAGAAT	TAGAAGGGA	ACTATTT	--																																				
Candidatus Carsonella 135557 - 167442nt	(18666)	TGATAT	GGGTAAT	GCAATT	TCTAATTCAATT	TTATCATTAT	TATCTAGT	ATAAAAAGAAT	TAGAAGGGA	ACTATTT	--																																				
SARS-CoV-2 Reference Genome NC_045512.2	(17488)	GAA	CCAGAA	TATTTCAATT	CAGTGTGT	AGAC	TTATG	AAAAC	TATAG	-GTCCAG	ACATGT	TCCCTCGGA	ACTGTCGGC																																		
Section 2009																																															
	(154617)	154617	154627	154638	154649	154660	154671	154682	154693																																						
Candidatus Carsonella ruddii strain BT chromosome...	(154297)	-TGGT	AATG	GAGAAA	GAGCAG	GTAATGC	-ATCATT	TATTAATTAT	AGCTTTAAAT	TTATATAATTTAGGT	ATTAAATCC																																				
Candidatus Carsonella 135557 - 167442nt	(18741)	-TGGT	AATG	GAGAAA	GAGCAG	GTAATGC	-ATCATT	TATTAATTAT	AGCTTTAAAT	TTATATAATTTAGGT	ATTAAATCC																																				
SARS-CoV-2 Reference Genome NC_045512.2	(17564)	G	TGTCC	TGCT	GAAATTG	TTGACACTG	TGAGTGC	TTTGGT	TTATGATAA	TAAAGC	TTAAGCA	TAAGACA	AATC-																																		
Section 2010																																															
	(154694)	154694	154704	154715	154726	154737	154748	154759	154770																																						
Candidatus Carsonella ruddii strain BT chromosome...	(154372)	TAA	AAT	T	AAT	ATTTT	C	A	A	C	A	A	TTTAT	T	A	A	AT	T	TTT	TT	-	C	A	A	T	G	A	A	A	A	T	C	T	T	A	A	A	T	A	G	A	T	A	C	C	-	
Candidatus Carsonella 135557 - 167442nt	(18816)	TAA	AAT	T	AAT	ATTTT	C	A	A	C	A	A	TTTAT	T	A	A	AT	T	TTT	TT	-	C	A	A	T	G	A	A	A	A	A	T	C	T	T	A	A	A	T	A	G	A	T	A	C	C	-
SARS-CoV-2 Reference Genome NC_045512.2	(17640)	--	AGC	T	CAAT	GC	TTT	--	AAA	T	GT	TTTAT	AA	GGG	T	TTAT	CA	C	GC	ATGA	TG	TTTC	ATCT	GC	AA	T	AA	C	AG	GCC	AC	AA															

SARS-CoV-2 & Bakterien.apr

			Section 2011							
			154771	154781	154792	154803	154814	154825	154836	154847
Candidatus Carsonella ruddii strain BT chromosome...	(154771)	(154447)	-TTGGTTTAGTAGATTGAATTATT--CTGCTTTTCTGGTAGTCATCAAGATGCTATTTTAAATCATATTTTAAAA							
Candidatus Carsonella 135557 - 167442nt	(18891)		-TTGGTTTAGTAGATTGAATTATT--CTGCTTTTCTGGTAGTCATCAAGATGCTATTTTAAATCATATTTTAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(17713)		ATAGGCGTGTA-AGA GAATTCCCTTACACGTAAACCCTGCTTG GAGAAAGCTGTCTTTATTTCACCTTATTAATTCAC							
			Section 2012							
			154848	154858	154869	154880	154891	154902	154913	154924
Candidatus Carsonella ruddii strain BT chromosome...	(154848)	(154521)	AAAAATTTT TTTTATGGAAAGTATTATATATACCAA TAAATCCTAAAATTTTTCATTTTCTCATAAAAATATAATA							
Candidatus Carsonella 135557 - 167442nt	(18965)		AAAAATTTT TTTTATGGAAAGTATTATATATACCAA TAAATCCTAAAATTTTTCATTTTCTCATAAAAATATAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(17789)		AGAA TGC TGTAGCC TCAAA GATTTTGGGAC TACCAA-----CTCAAACTGTTGATT CATCA CAGGGCTC-AGAATA							
			Section 2013							
			154925	154935	154946	154957	154968	154979	154990	155001
Candidatus Carsonella ruddii strain BT chromosome...	(154925)	(154598)	AAAATAAATTCTCAATCAGGAAAAGGAGGTTTAAAAATTATTTTTGTGTAATAATTATAATTTATTGTTAAATAAATTT							
Candidatus Carsonella 135557 - 167442nt	(19042)		AAAATAAATTCTCAATCAGGAAAAGGAGGTTTAAAAATTATTTTTGTGTAATAATTATAATTTATTGTTAAATAAATTT							
SARS-CoV-2 Reference Genome NC_045512.2	(17859)		TGAC TATGT-CATATTCACCTC AAA CCA C-TGAACA GCTC ACTCTTG ---TAATGTAAACAGATT-----TAATGT							
			Section 2014							
			155002	155012	155023	155034	155045	155056	155067	155078
Candidatus Carsonella ruddii strain BT chromosome...	(155002)	(154675)	TATTTTATATAAAAAATATATAATATTATTCAAGATTTATCTGAAATTTTAATGTGTGAAATTTATAAAGAAATGATAT							
Candidatus Carsonella 135557 - 167442nt	(19119)		TATTTTATATAAAAAATATATAATATTATTCAAGATTTATCTGAAATTTTAATGTGTGAAATTTATAAAGAAATGATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(17925)		TGCTATTA CCA GA----GC AAAAGT A GGCAT-AC TTTG CATAA TGTCTGATA-GAGACC TTTATGACAGT TGCAT							
			Section 2015							
			155079	155089	155100	155111	155122	155133	155144	155155
Candidatus Carsonella ruddii strain BT chromosome...	(155079)	(154752)	TTTCTATATTTTATTTAAGATCAATAAATAT---AATTTTAAAAAAATTAAAA TAATAAATTTTATTATTCTTTT							
Candidatus Carsonella 135557 - 167442nt	(19196)		TTTCTATATTTTATTTAAGATCAATAAATAT---AATTTTAAAAAAATTAAAA TAATAAATTTTATTATTCTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(17996)		TTACAAGTCTTGA AATTCACGTAGGAATGTGGCAAC TTTACAA GCTGAAATGTAA CAGGAC TCTTTAAGATTGT							
			Section 2016							
			155156	155166	155177	155188	155199	155210	155221	155232
Candidatus Carsonella ruddii strain BT chromosome...	(155156)	(154826)	ATTTTCAATTTTAAAATTATCGTTTTAATAATAAAAAAAACAAAAAAATAATATAAATTAAAAA							
Candidatus Carsonella 135557 - 167442nt	(19270)		ATTTTCAATTTTAAAATTATCGTTTTAATAATAAAAAAAACAAAAAAATAATATAAATTAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(18073)		AGT---AAGGT--AA TCAC TGGGTTACATCC TACACA GGCACCTACAC CCTCAGTGTGAC-AC TA AATTCAAAA C							

SARS-CoV-2 & Bakterien.apr

Section 2017									
	(155233)	155233	155243	155254	155265	155276	155287	155298	155309
Candidatus Carsonella ruddii strain BT chromosome...	(154903)	TGAA	TAAT	ACTT	TATG	GAGAA	ATAAT	TAAAT	TTTCTACTTTTG
Candidatus Carsonella 135557 - 167442nt	(19347)	TGAA	TAAT	ACTT	TATG	GAGAA	ATAAT	TAAAT	TTTCTACTTTTG
SARS-CoV-2 Reference Genome NC_045512.2	(18144)	TGAA	GGT	TATG	TG	TTGA	CATACC	TGGCAT	ACCTAAGGACAT
	(155310)	155310	155320	155331	155342	155353	155364	155375	155386
Candidatus Carsonella ruddii strain BT chromosome...	(154979)	AGAT	TGGT	TATTT	TCACAA	TAAAT	TATTTTT	TGAAAA	AAACAAT
Candidatus Carsonella 135557 - 167442nt	(19423)	AGAT	TGGT	TATTT	TCACAA	TAAAT	TATTTTT	TGAAAA	AAACAAT
SARS-CoV-2 Reference Genome NC_045512.2	(18220)	AAAAT	GATGA	ATTAT	CAAGT	TAA	TGGT	TACCC	TAA
	(155387)	155387	155397	155408	155419	155430	155441	155452	155463
Candidatus Carsonella ruddii strain BT chromosome...	(155056)	CT	TTATTT	TCACACAA	AGAAAA	GAAT	TAGAT	TAAAGT	AAAAAT
Candidatus Carsonella 135557 - 167442nt	(19500)	CT	TTATTT	TCACACAA	AGAAAA	GAAT	TAGAT	TAAAGT	AAAAAT
SARS-CoV-2 Reference Genome NC_045512.2	(18296)	GGAT	TTGGC	TCGAT	GTGTCG	AGGGGT	GTCA	TGCT	AGT
	(155464)	155464	155474	155485	155496	155507	155518	155529	155540
Candidatus Carsonella ruddii strain BT chromosome...	(155132)	ATGT	CCGAT	ATTAAT	GTAA	TAAAAA	ATCAT	GTATAA	TAAAAAGTT
Candidatus Carsonella 135557 - 167442nt	(19576)	ATGT	CCGAT	ATTAAT	GTAA	TAAAAA	ATCAT	GTATAA	TAAAAAGTT
SARS-CoV-2 Reference Genome NC_045512.2	(18369)	TTT	TCTAC	AG--	GTGT	TAA	CCTAGT	TGCT	TG
	(155541)	155541	155551	155562	155573	155584	155595	155606	155617
Candidatus Carsonella ruddii strain BT chromosome...	(155209)	CAG	GACAT	TGCT	GATTT	AAC	-----	ATAT	CAATT
Candidatus Carsonella 135557 - 167442nt	(19653)	CAG	GACAT	TGCT	GATTT	AAC	-----	ATAT	CAATT
SARS-CoV-2 Reference Genome NC_045512.2	(18443)	GAG	TTAG	TGCT	AA	ACCA	AC	GCCT	TGG
	(155618)	155618	155628	155639	155650	155661	155672	155683	155694
Candidatus Carsonella ruddii strain BT chromosome...	(155275)	CTAG	TGCT	AGAG	AAAC	CGCT	TGTAG	AGTT	TGCT
Candidatus Carsonella 135557 - 167442nt	(19719)	CTAG	TGCT	AGAG	AAAC	CGCT	TGTAG	AGTT	TGCT
SARS-CoV-2 Reference Genome NC_045512.2	(18520)	G	TAG	TGCT	GT	AT	AAAA	--	GATT

SARS-CoV-2 & Bakterien.apr

		Section 2023									
		(155695)	155695	155705	155716	155727	155738	155749	155760	155771	
Candidatus Carsonella ruddii strain BT chromosome...	(155351)	AATAAGATCATATATAAAAAAATTTGGATTTTTAAAAATTAATTTTATTATTGGAAAAATATTATAAATAGATTTT									
Candidatus Carsonella 135557 - 167442nt	(19795)	AATAAGATCATATATAAAAAAATTTGGATTTTTAAAAATTAATTTTATTATTGGAAAAATATTATAAATAGATTTT									
SARS-CoV-2 Reference Genome NC_045512.2	(18591)	CTATATGGGCACATGGCTTTGAG--TTGACATCTATGAAATTTTGTGAAAATAGGACCTGAGCGCACTGTTGTCT									
		Section 2024									
		(155772)	155772	155782	155793	155804	155815	155826	155837	155848	
Candidatus Carsonella ruddii strain BT chromosome...	(155428)	TTGTAA-ATATTT-----ATTATATTAAAGAATTAAAAGAATATATTAATAATTTCAAAAATTCAA-GTAACTCATC									
Candidatus Carsonella 135557 - 167442nt	(19872)	TTGTAA-ATATTT-----ATTATATTAAAGAATTAAAAGAATATATTAATAATTTCAAAAATTCAA-GTAACTCATC									
SARS-CoV-2 Reference Genome NC_045512.2	(18666)	ATGTGATAGACGTGCCACATGCTTTTCCACTGCTTCAGACACTTATGCCCTGTGGCATCATTTCTATTGGATTGATT									
		Section 2025									
		(155849)	155849	155859	155870	155881	155892	155903	155914	155925	
Candidatus Carsonella ruddii strain BT chromosome...	(155498)	AAGTGCAGAAATAATAACAATAATTAATGGAATCAAAATGGTTTAGGTGATCCATTATATAAAAAAATTGATTCTA									
Candidatus Carsonella 135557 - 167442nt	(19942)	AAGTGCAGAAATAATAACAATAATTAATGGAATCAAAATGGTTTAGGTGATCCATTATATAAAAAAATTGATTCTA									
SARS-CoV-2 Reference Genome NC_045512.2	(18743)	ACGTCTATAATCCGTTT--ATGATTGATGTTCAACAAATGGGGTTTACAGGTAACTTACAAAGCAACCAATGATCTG									
		Section 2026									
		(155926)	155926	155936	155947	155958	155969	155980	155991	156002	
Candidatus Carsonella ruddii strain BT chromosome...	(155575)	TTATTTCTGATTATATTTTAAAGTATTAATGCTGTAAAAAGTATTTTGGAAATTAATTTTAAAAAATAAAAAATTCT									
Candidatus Carsonella 135557 - 167442nt	(20019)	TTATTTCTGATTATATTTTAAAGTATTAATGCTGTAAAAAGTATTTTGGAAATTAATTTTAAAAAATAAAAAATTCT									
SARS-CoV-2 Reference Genome NC_045512.2	(18817)	T-ATTGTCAAGTCCATGGTAA-TGCACATGTAGCTAGTTGTGATGCAATCATGACTAGGTGTCTAGCTGTCCACGAG									
		Section 2027									
		(156003)	156003	156013	156024	156035	156046	156057	156068	156079	
Candidatus Carsonella ruddii strain BT chromosome...	(155652)	TACAATATAAAAGATGAA-ATTTCAAAATTTGGTTTTTATCAAATAATAAT--AGTGAATTTTAGGTGGTAT-TA									
Candidatus Carsonella 135557 - 167442nt	(20096)	TACAATATAAAAGATGAA-ATTTCAAAATTTGGTTTTTATCAAATAATAAT--AGTGAATTTTAGGTGGTAT-TA									
SARS-CoV-2 Reference Genome NC_045512.2	(18892)	TGGTTTGTAAAGCGTGTGACTGGACTATTGAATATCCATAT-AAATGGTGATGAAGTGAAGATTAAATGCGGCTGTAT									
		Section 2028									
		(156080)	156080	156090	156101	156112	156123	156134	156145	156156	
Candidatus Carsonella ruddii strain BT chromosome...	(155725)	CCAATGGTCAACCAATAATATTAAAA-----ATTGTTTTTAAACCTACTTCTAGCACTTCAAAAAAATAAAAAACAA									
Candidatus Carsonella 135557 - 167442nt	(20169)	CCAATGGTCAACCAATAATATTAAAA-----ATTGTTTTTAAACCTACTTCTAGCACTTCAAAAAAATAAAAAACAA									
SARS-CoV-2 Reference Genome NC_045512.2	(18968)	GAAAGGTTCACACATGGTTGTTAAAGCTGCAATTATTAGCAGACAAATTCAGTTCTTCAAGACAT-TGGTAACCC									

SARS-CoV-2 & Bakterien.apr

			Section 2029							
			156157	156167	156178	156189	156200	156211	156222	156233
Candidatus Carsonella ruddii strain BT chromosome...	(156157)		TAAATCAAGATAATAAAGAAATAATTTCAAA	AAACTTATGGAAGACATGATCCATG	-TGTTG	-GTTTAAGAGCAATAC				
Candidatus Carsonella 135557 - 167442nt	(155797)		TAAATCAAGATAATAAAGAAATAATTTCAAA	AAACTTATGGAAGACATGATCCATG	-TGTTG	-GTTTAAGAGCAATAC				
SARS-CoV-2 Reference Genome NC_045512.2	(20241)		TAAAGCTA--TT--AAGTGTGTACC	TCAAGCTGATGTA	GAA	TGGAGTTCTATGATGCACAG	CCCTGTGTAGTGACA			
	(19044)									
			Section 2030							
			156234	156244	156255	156266	156277	156288	156299	156310
Candidatus Carsonella ruddii strain BT chromosome...	(156234)		CAATAATAGAATCAATGATTTCTACTATTTTAA	TAATAAAATAAAATTTTAAATAAATAAAATTTAT	GACTAATACTTTATA					
Candidatus Carsonella 135557 - 167442nt	(155872)		CAATAATAGAATCAATGATTTCTACTATTTTAA	TAATAAAATAAAATTTTAAATAAATAAAATTTAT	GACTAATACTTTATA					
SARS-CoV-2 Reference Genome NC_045512.2	(20316)		AGCTTATAAATAGAGATTATTCTATTCTTAT	GCCACACATTCTGACAAAT	-----T	CACAGATGGTGT				
	(19116)									
			Section 2031							
			156311	156321	156332	156343	156354	156365	156376	156387
Candidatus Carsonella ruddii strain BT chromosome...	(156311)		TGACAATATAATAAATAATCATATTGTTAATA	TTTATGATGATTTATATCTTTTATATATAGATA	AAAATTTTATTAC					
Candidatus Carsonella 135557 - 167442nt	(155949)		TGACAATATAATAAATAATCATATTGTTAATA	TTTATGATGATTTATATCTTTTATATATAGATA	AAAATTTTATTAC					
SARS-CoV-2 Reference Genome NC_045512.2	(20393)		TGCCATTATTGGAAATG----	CAATGTCGATAGATAT	CCTGCT--AATTC	CAATGTTGTGTAGAT	-----TTG	CACT		
	(19183)									
			Section 2032							
			156388	156398	156409	156420	156431	156442	156453	156464
Candidatus Carsonella ruddii strain BT chromosome...	(156388)		ATGAAGTTACATCACCACAAGCTTTTAAATTTAT	TAATAAATAAATAAATTTATTTGGAATAAAGT	ATTTTAT----	C				
Candidatus Carsonella 135557 - 167442nt	(156026)		ATGAAGTTACATCACCACAAGCTTTTAAATTTAT	TAATAAATAAATAAATTTATTTGGAATAAAGT	ATTTTAT----	C				
SARS-CoV-2 Reference Genome NC_045512.2	(20470)		AGAGTGCTATCTAACCTTAACTTGCCCTGGTTG	TGATGGTGGCAGTTTGTATGTAAATAA	CAATGCATTCCACACAC					
	(19249)									
			Section 2033							
			156465	156475	156486	156497	156508	156519	156530	156541
Candidatus Carsonella ruddii strain BT chromosome...	(156465)		AACATCTGATCATAATGTATCAACTGATAAAAA	CAAAGATTTT-----	TAATAAAAAAATAAAACAATTAAATTGT					
Candidatus Carsonella 135557 - 167442nt	(156099)		AACATCTGATCATAATGTATCAACTGATAAAAA	CAAAGATTTT-----	TAATAAAAAAATAAAACAATTAAATTGT					
SARS-CoV-2 Reference Genome NC_045512.2	(20543)		AGCTTTTGATAAAGTGCTTTTGT	TAAATTTAAACAA	TTACCA	TTTTTCTATTACTCTGACAGTC	CATGTGAGTCTC			
	(19326)									
			Section 2034							
			156542	156552	156563	156574	156585	156596	156607	156618
Candidatus Carsonella ruddii strain BT chromosome...	(156542)		ATAAAAAAATAAAGAAAAATATTTTTTTAA	TATTATGATTTAAATAATCTAAACAAGGTATA	AATACATATTA					
Candidatus Carsonella 135557 - 167442nt	(156175)		ATAAAAAAATAAAGAAAAATATTTTTTTAA	TATTATGATTTAAATAATCTAAACAAGGTATA	AATACATATTA					
SARS-CoV-2 Reference Genome NC_045512.2	(20619)		ATGGAAACAAAGTAGTGTCTAGATAT-----	AGATTATGTACCACTAA	GTCTGCTACGTGTATA	ACAGTTGCA				
	(19403)									

SARS-CoV-2 & Bakterien.apr

		Section 2035									
	(156619)	156619	156629	156640	156651	156662	156673	156684	156695		
Candidatus Carsonella ruddii strain BT chromosome...	(156251)	TAGCAACAGAATCTATGTTTTTATTTCAGGTA	TGATTACAGTTTGTGGTGATTCTCATACAACAACAAATGGAAG								
Candidatus Carsonella 135557 - 167442nt	(20695)	TAGCAACAGAATCTATGTTTTTATTTCAGGTA	TGATTACAGTTTGTGGTGATTCTCATACAACAACAAATGGAAG								
SARS-CoV-2 Reference Genome NC_045512.2	(19472)	ATTTAGGTGGTGCTGTCTGTAGACATCCTATGCTAATGAGTACAGATTGTATCTCGATGCTTATAACAT	-----G								
		Section 2036									
	(156696)	156696	156706	156717	156728	156739	156750	156761	156772		
Candidatus Carsonella ruddii strain BT chromosome...	(156327)	TTTATCATTATTAGCTATTGGTATTGGTACTTCAGATTTAAACATAGTTTATATCTACTCAA	-----TGTATAATACA								
Candidatus Carsonella 135557 - 167442nt	(20771)	TTTATCATTATTAGCTATTGGTATTGGTACTTCAGATTTAAACATAGTTTATATCTACTCAA	-----TGTATAATACA								
SARS-CoV-2 Reference Genome NC_045512.2	(19540)	ATGATCTCAGCTGGCTTTAGCTTGTGGGTTTACAACAATTTGATACCTTATACCTCTGGACACTTTTACAAAGACT									
		Section 2037									
	(156773)	156773	156783	156794	156805	156816	156827	156838	156849		
Candidatus Carsonella ruddii strain BT chromosome...	(156399)	AAAAAAATTAATAAATATGAATATTTTATTATATAAATAAAATTAATAAAATATTTCAAAGATTAA	TACTA	---							
Candidatus Carsonella 135557 - 167442nt	(20843)	AAAAAAATTAATAAATATGAATATTTTATTATATAAATAAAATTAATAAAATATTTCAAAGATTAA	TACTA	---							
SARS-CoV-2 Reference Genome NC_045512.2	(19617)	TCAGAGTTTGAAGAAATGTGGCT	TTTAAATGTGTAAATAAAGGACACTTGTATGGAACAAGGGTGAAGTACAGTT								
		Section 2038									
	(156850)	156850	156860	156871	156882	156893	156904	156915	156926		
Candidatus Carsonella ruddii strain BT chromosome...	(156472)	TATATAATAAAAAAATTTCTTCAAAAGGTGGTACAGGATATTGTATTGAATTAGTGGAATTTGTATTGAAAACCTT									
Candidatus Carsonella 135557 - 167442nt	(20916)	TATATAATAAAAAAATTTCTTCAAAAGGTGGTACAGGATATTGTATTGAATTAGTGGAATTTGTATTGAAAACCTT									
SARS-CoV-2 Reference Genome NC_045512.2	(19693)	TCATCATTAATAACACTGTTTACACAAAAGTTGATGGTGTGATGTAGAATTGTTTGAAAT	-----AAAAC								
		Section 2039									
	(156927)	156927	156937	156948	156959	156970	156981	156992	157003		
Candidatus Carsonella ruddii strain BT chromosome...	(156549)	ATCAATATCTGAAAAAATGACAATTTGTAATATGTCTATAGAAGCTGGTTCTAAATCTAGTTTAAATTTCCACCAGATA									
Candidatus Carsonella 135557 - 167442nt	(20993)	ATCAATATCTGAAAAAATGACAATTTGTAATATGTCTATAGAAGCTGGTTCTAAATCTAGTTTAAATTTCCACCAGATA									
SARS-CoV-2 Reference Genome NC_045512.2	(19761)	AACATTACCTGTTAAATGTAGCATTTGAGCTTTGGGCTA	----AGCGCAACA	TTAAACAGT	-----ACCAGAGG						
		Section 2040									
	(157004)	157004	157014	157025	157036	157047	157058	157069	157080		
Candidatus Carsonella ruddii strain BT chromosome...	(156626)	TAAAAATAATTAATTTTTTATAAAAAAATAATTATTGATATTAAAAAATTTTATTTTTTA	TAAATAAAATAAAATC								
Candidatus Carsonella 135557 - 167442nt	(21070)	TAAAAATAATTAATTTTTTATAAAAAAATAATTATTGATATTAAAAAATTTTATTTTTTA	TAAATAAAATAAAATC								
SARS-CoV-2 Reference Genome NC_045512.2	(19826)	TGAAAATACTCAATAATTGGGTGTGGACATTGCTGCTAATAC	-----TGTGATCTGGGAC	TACAAAAGAGATGCTC							

SARS-CoV-2 & Bakterien.apr

Section 2041									
	(157081)	157081	157091	157102	157113	157124	157135	157146	157157
Candidatus Carsonella ruddii strain BT chromosome...	(156702)	TAATAAAAAAT	TCTTTT	TATGAAAAACGTTAT	TATTTT	TGATGTATCT	TAAAAATAAAACCACACTT	AA	CATGGGGTACA
Candidatus Carsonella 135557 - 167442nt	(21146)	TAATAAAAAAT	TCTTTT	TATGAAAAACGTTAT	TATTTT	TGATGTATCT	TAAAAATAAAACCACACTT	AA	CATGGGGTACA
SARS-CoV-2 Reference Genome NC_045512.2	(19898)	CAGCACA	TATATCTACT	TATTG	GTGTTT	GTTCTAT	GACTGAC	TGACATAGC	CAAGA---AACCA-CTGAA-----ACG
Section 2042									
	(157158)	157158	157168	157179	157190	157201	157212	157223	157234
Candidatus Carsonella ruddii strain BT chromosome...	(156778)	AATTTAGATACAATAATTGA	ACTTGA	AAATATTAAAACTAAT	TGATATTA	TATATATTAAATT	TATATGAATTTAAA		
Candidatus Carsonella 135557 - 167442nt	(21222)	AATTTAGATACAATAATTGA	ACTTGA	AAATATTAAAACTAAT	TGATATTA	TATATATTAAATT	TATATGAATTTAAA		
SARS-CoV-2 Reference Genome NC_045512.2	(19963)	ATTTGTGCAC	CAC	TCTG	TTTTTGA	-----TG	GTA-----G	AGTTG	-----
Section 2043									
	(157235)	157235	157245	157256	157267	157278	157289	157300	157311
Candidatus Carsonella ruddii strain BT chromosome...	(156855)	AAATAATCAAAAAATTACTAATATTAAAAATTC	AAAAAATGTT	TTTAGGATCATGTAC	AAATTC	AAGATTTGAAGATT			
Candidatus Carsonella 135557 - 167442nt	(21299)	AAATAATCAAAAAATTACTAATATTAAAAATTC	AAAAAATGTT	TTTAGGATCATGTAC	AAATTC	AAGATTTGAAGATT			
SARS-CoV-2 Reference Genome NC_045512.2	(20003)	--ATGGTCAAGTA--G	ACTTATTTAG	AAATG	CCGT	AATGGTGT	TTCTTAT----	TACAGAAGGTAG	TGTTAAGGTT
Section 2044									
	(157312)	157312	157322	157333	157344	157355	157366	157377	157388
Candidatus Carsonella ruddii strain BT chromosome...	(156932)	TATTAATTTGTTGTTTATTGT	TATTAATAA	AAATTAAT	AAAAATGTTAT	TGGATTAATTG	TCCTGGA		
Candidatus Carsonella 135557 - 167442nt	(21376)	TATTAATTTGTTGTTTATTGT	TATTAATAA	AAATTAAT	AAAAATGTTAT	TGGATTAATTG	TCCTGGA		
SARS-CoV-2 Reference Genome NC_045512.2	(20072)	TACAA	CCATCT	-----GT-----	AGGTCCC	AAAC	AA	GC	TAGTCTTAATGGAGTCACATTAATTGGA---GAA
Section 2045									
	(157389)	157389	157399	157410	157421	157432	157443	157454	157465
Candidatus Carsonella ruddii strain BT chromosome...	(157009)	ACTGAATATATAAGAT	TAAAA	TCAGAA	TTTTATGGTAT	AAATAAAATTTT	TATTTT	TTTGGTTA	TAATTGGAAAAA
Candidatus Carsonella 135557 - 167442nt	(21453)	ACTGAATATATAAGAT	TAAAA	TCAGAA	TTTTATGGTAT	AAATAAAATTTT	TATTTT	TTTGGTTA	TAATTGGAAAAA
SARS-CoV-2 Reference Genome NC_045512.2	(20131)	GCG	-----TAAAA	ACA	CAGTT	CAT--TATT	ATAGAAAGTT	GATGGTGT	TGTCCAACAATTACCTGAA
Section 2046									
	(157466)	157466	157476	157487	157498	157509	157520	157531	157542
Candidatus Carsonella ruddii strain BT chromosome...	(157086)	TTCTGGTTGTTCTATGTGTTTAGCAAT	GAA	TGAA	GATAAAC	TTTTACCTGA	AGAAAGATGTGTTT	CTACATCTAATA	
Candidatus Carsonella 135557 - 167442nt	(21530)	TTCTGGTTGTTCTATGTGTTTAGCAAT	GAA	TGAA	GATAAAC	TTTTACCTGA	AGAAAGATGTGTTT	CTACATCTAATA	
SARS-CoV-2 Reference Genome NC_045512.2	(20194)	A-CTTACTTTACT	CAG	AGTAG	AAATTTAC	AGAA	TTTAAAC	-----CCAGGAGTC	AAATGGAAATGTGATTCTCT--TA

SARS-CoV-2 & Bakterien.apr

Section 2047									
	(157543)	157543	157553	157564	157575	157586	157597	157608	157619
Candidatus Carsonella ruddii strain BT chromosome...	(157163)	GAAATTTTATAGGAAGACAAGGTTATAAAAGTAGAACACATTTAGTAAGTCCTGTTTATAGCAATAATTATTTCTATT							
Candidatus Carsonella 135557 - 167442nt	(21607)	GAAATTTTATAGGAAGACAAGGTTATAAAAGTAGAACACATTTAGTAAGTCCTGTTTATAGCAATAATTATTTCTATT							
SARS-CoV-2 Reference Genome NC_045512.2	(20263)	GAA-TTAGCTATGGATGAATTCAATTGAA-CGGTATA-----AATTAGAAAGGCTATGCTTTCG-----AACATATCG-TT							
Section 2048									
	(157620)	157620	157630	157641	157652	157663	157674	157685	157696
Candidatus Carsonella ruddii strain BT chromosome...	(157240)	TATGGCGAATTTGTTAATTATAAATTTATATAAATAAATTAATAAATGAAATTAATTTCTAATTATATTTATTTTAAATA							
Candidatus Carsonella 135557 - 167442nt	(21684)	TATGGCGAATTTGTTAATTATAAATTTATATAAATAAATTAATAAATGAAATTAATTTCTAATTATATTTATTTTAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(20329)	TATGGAGATTTTAGTTCATAGTTCAGTTAGGTGGTTTACATCTAC-TGATTGGACTAGCTAAACGTTTAAAGGAATCAC							
Section 2049									
	(157697)	157697	157707	157718	157729	157740	157751	157762	157773
Candidatus Carsonella ruddii strain BT chromosome...	(157317)	TAGATAATATAGATACTGATATTATAATTCCTAAACAAATTTTAAATACCTTTGAAAAAAATGGTTTTCGAAAAATGT							
Candidatus Carsonella 135557 - 167442nt	(21761)	TAGATAATATAGATACTGATATTATAATTCCTAAACAAATTTTAAATACCTTTGAAAAAAATGGTTTTCGAAAAATGT							
SARS-CoV-2 Reference Genome NC_045512.2	(20405)	CTTTTGAATTAGAGATTTTATTCTTATGGACAGTACAGTTTAAACCTAATTTCAATACAGATGCG---CAAAACAGGT							
Section 2050									
	(157774)	157774	157784	157795	157806	157817	157828	157839	157850
Candidatus Carsonella ruddii strain BT chromosome...	(157394)	TTATTTTGTGATTTAAGATATTTTATAAATAACAAATATTTTATTATTAATAATGATTTTAAATTAATAAATAAAAAA							
Candidatus Carsonella 135557 - 167442nt	(21838)	TTATTTTGTGATTTAAGATATTTTATAAATAACAAATATTTTATTATTAATAATGATTTTAAATTAATAAATAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(20479)	TCACTTAAGTGTGTGTGTTCTGTTAT-----TGATTTATTACT---TGATGATTTTG-TTGAAATAATAAAAAT							
Section 2051									
	(157851)	157851	157861	157872	157883	157894	157905	157916	157927
Candidatus Carsonella ruddii strain BT chromosome...	(157471)	AACTAAAGTATTAATTTCAAAAAAAATTTTGGATGTGGAAGTTC-AGAGAACATGCAGTTTGGGCATTAAAAAAT							
Candidatus Carsonella 135557 - 167442nt	(21915)	AACTAAAGTATTAATTTCAAAAAAAATTTTGGATGTGGAAGTTC-AGAGAACATGCAGTTTGGGCATTAAAAAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(20543)	--CCCAGATTTATCTGTAGTTTCTAA-----GGTGTGCAAGTGACTATTGACTATACAGAAATTTTATTATATGC--							
Section 2052									
	(157928)	157928	157938	157949	157960	157971	157982	157993	158004
Candidatus Carsonella ruddii strain BT chromosome...	(157547)	TTTGGTTTTTAAATAATAATATCAGAAAGTTTATGTGATATATTTTATGATAATTCTATGAAAAATAATTTGTTTTT							
Candidatus Carsonella 135557 - 167442nt	(21991)	TTTGGTTTTTAAATAATAATATCAGAAAGTTTATGTGATATATTTTATGATAATTCTATGAAAAATAATTTGTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(20612)	TTTGGTGTAAAGATGGCCATGTAGAAACATTTTACCCAAA-----ATTACAAT-CTAGTCAAAG--C-----GTGGCA							

SARS-CoV-2 & Bakterien.apr

Section 2053									
	(158005)	158005	158015	158026	158037	158048	158059	158070	158081
Candidatus Carsonella ruddii strain BT chromosome...	(157624)	AATAGAAATTTACAAAAAACAAATTGAAAAAATTTTAAATTATTAATATATATATTTTAAATATAGAAAAACAATATA							
Candidatus Carsonella 135557 - 167442nt	(22068)	AATAGAAATTTACAAAAAACAAATTGAAAAAATTTTAAATTATTAATATATATATTTTAAATATAGAAAAACAATATA							
SARS-CoV-2 Reference Genome NC_045512.2	(20676)	ACCGGGTGTGTTGCTATGCCTAATCTTTTACAAAAATGCAAG----AATGCTAT-----TAGAAAAGTGTGACC							
Section 2054									
	(158082)	158082	158092	158103	158114	158125	158136	158147	158158
Candidatus Carsonella ruddii strain BT chromosome...	(157701)	TTAAATTTGATAAATTATATTATTATTTTTTAATTAATAAAATTATATATAAAATATTTTATATAAATAAATTTTATTATA							
Candidatus Carsonella 135557 - 167442nt	(22145)	TTAAATTTGATAAATTATATTATTATTTTTTAATTAATAAAATTATATATAAAATATTTTATATAAATAAATTTTATTATA							
SARS-CoV-2 Reference Genome NC_045512.2	(20738)	TTCAA-----AATTATGGTGTAGATGTGCAACATTACCTAAAGGCATAATGATGAATGTTCGCAAAATATACCTCA---							
Section 2055									
	(158159)	158159	158169	158180	158191	158202	158213	158224	158235
Candidatus Carsonella ruddii strain BT chromosome...	(157778)	ACTGATTTTATATTAAAGAAAAAAGAAATAATTTATTATTATAA-ATAAATGTTAAATATTTTGGTTTTACCTGG							
Candidatus Carsonella 135557 - 167442nt	(22222)	ACTGATTTTATATTAAAGAAAAAAGAAATAATTTATTATTATAA-ATAAATGTTAAATATTTTGGTTTTACCTGG							
SARS-CoV-2 Reference Genome NC_045512.2	(20805)	ACTGTGTCAATATTTA-AAACAATTAAATTAGCTGTACCTTATTAATATGAGATTATACATTTTGGT----GCTGG							
Section 2056									
	(158236)	158236	158246	158257	158268	158279	158290	158301	158312
Candidatus Carsonella ruddii strain BT chromosome...	(157854)	TGATGGTATAGGTCCAGAAATAATGAAACAAGCTATTAAAATTATTAAACATGTATTTATTAGGATATAAAATTA							
Candidatus Carsonella 135557 - 167442nt	(22298)	TGATGGTATAGGTCCAGAAATAATGAAACAAGCTATTAAAATTATTAAACATGTATTTATTAGGATATAAAATTA							
SARS-CoV-2 Reference Genome NC_045512.2	(20877)	TTCGTGATAAAGGAGTTGCCA--GGTACA-GCTGTT-----TTAAGACA-GTGGTTGCCACGGG-TACGCTTGC							
Section 2057									
	(158313)	158313	158323	158334	158345	158356	158367	158378	158389
Candidatus Carsonella ruddii strain BT chromosome...	(157931)	ATATTTATTATAATTATATTGGTGGTATATCTATTGATAAAAATAAAAAATCCTTTAACAGAAAAATACAAATTAAAATT							
Candidatus Carsonella 135557 - 167442nt	(22375)	ATATTTATTATAATTATATTGGTGGTATATCTATTGATAAAAATAAAAAATCCTTTAACAGAAAAATACAAATTAAAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(20942)	TGTTCGATTAGATCTTAATGACTTTGTCCTCT---GATGCAAGATTCAACTTTGATTGGTGAATTGTGCAACTGTACAT							
Section 2058									
	(158390)	158390	158400	158411	158422	158433	158444	158455	158466
Candidatus Carsonella ruddii strain BT chromosome...	(158008)	TGTTTAAATTCAGATGCTATCTTATTAGGT-TGTGTTGGAGGATATAAATGGAATAATTCTTTTTTAAAAACCTGAAC							
Candidatus Carsonella 135557 - 167442nt	(22452)	TGTTTAAATTCAGATGCTATCTTATTAGGT-TGTGTTGGAGGATATAAATGGAATAATTCTTTTTTAAAAACCTGAAC							
SARS-CoV-2 Reference Genome NC_045512.2	(21016)	ACAGCTAAT--AAATGGGATCTCATTATTAGTGATATGTACGACCTAA--GACTAAAAATGTTACAAAA-----							

SARS-CoV-2 & Bakterien.apr

Section 2059									
	(158467)	158467	158477	158488	158499	158510	158521	158532	158543
Candidatus Carsonella ruddii strain BT chromosome...	(158084)	AAGGTTTGTT	AAAATTAAGAAAAA	ATTAAATTTATT	TGCAAAATATTAGACCTATTAAATGTCT	TTTTTAAAAATATA			
Candidatus Carsonella 135557 - 167442nt	(22528)	AAGGTTTGTT	AAAATTAAGAAAAA	ATTAAATTTATT	TGCAAAATATTAGACCTATTAAATGTCT	TTTTTAAAAATATA			
SARS-CoV-2 Reference Genome NC_045512.2	(21082)	--G-----	AAAATGA	CTCTAAA	GAGGG--TTT	TTTCACTTACATTGTGGGT	TTA----	TACAAC--	AAAAGC
Section 2060									
	(158544)	158544	158554	158565	158576	158587	158598	158609	158620
Candidatus Carsonella ruddii strain BT chromosome...	(158161)	GATTTTTTAATTT	TAAAGAGAAT	TAAATGGAGGA	ATTTATTATG	GAAAACCAAAGGTATTTCTAAAC	CAAAATAATTA		
Candidatus Carsonella 135557 - 167442nt	(22605)	GATTTTTTAATTT	TAAAGAGAAT	TAAATGGAGGA	ATTTATTATG	GAAAACCAAAGGTATTTCTAAAC	CAAAATAATTA		
SARS-CoV-2 Reference Genome NC_045512.2	(21142)	GCTCTTGG	AGGTTCCGTG	GCTATAAAGAT	ACAGAACATTCT	TGGAA	TGCT---	GATCTTTA	TAAAGC---
Section 2061									
	(158621)	158621	158631	158642	158653	158664	158675	158686	158697
Candidatus Carsonella ruddii strain BT chromosome...	(158238)	TAATATACCA	ACTTGGTTTTCT	TATGATACAGAAATT	TATAATGAA	CAAGAATTAA	TAAGA-GTA	ATTAAATTAGGT	
Candidatus Carsonella 135557 - 167442nt	(22682)	TAATATACCA	ACTTGGTTTTCT	TATGATACAGAAATT	TATAATGAA	CAAGAATTAA	TAAGA-GTA	ATTAAATTAGGT	
SARS-CoV-2 Reference Genome NC_045512.2	(21213)	ACACTTCG	CATGGTGG	ACAGCCTT	TGTAC-----	TAATGTGAA	TGCGTCA	TCTCATCTGA	AGCATTTTTAATTGGA
Section 2062									
	(158698)	158698	158708	158719	158730	158741	158752	158763	158774
Candidatus Carsonella ruddii strain BT chromosome...	(158314)	TTTAATTTATCTATGA	ATAGAAAAA	AAAAATTA	CTTCTATAGAT	AAATCTAATGTATTAATTTCT	TTCTAAATTATG		
Candidatus Carsonella 135557 - 167442nt	(22758)	TTTAATTTATCTATGA	ATAGAAAAA	AAAAATTA	CTTCTATAGAT	AAATCTAATGTATTAATTTCT	TTCTAAATTATG		
SARS-CoV-2 Reference Genome NC_045512.2	(21283)	TGTAATT-	ATCTTGGCA	AAACCACGCG	AACAATAGAT	TGGTTATGTCTATG	CATGC	AAATTA	CATATTTGGAGGAATA
Section 2063									
	(158775)	158775	158785	158796	158807	158818	158829	158840	158851
Candidatus Carsonella ruddii strain BT chromosome...	(158391)	GAGAAAAATTGT	TAAATTATATTTCTA	ATTTT--TTAGCA	ATATTAAGGTTAATCATTTATATATTG	ACTATGCTAC			
Candidatus Carsonella 135557 - 167442nt	(22835)	GAGAAAAATTGT	TAAATTATATTTCTA	ATTTT--TTAGCA	ATATTAAGGTTAATCATTTATATATTG	ACTATGCTAC			
SARS-CoV-2 Reference Genome NC_045512.2	(21359)	CAAA	TCCAAT-TCAG	TTGTCTTCTAT	TCTTTATTTGAC	ATGAGTAAATTTCCC	CTTAAATTAAGGG	GTACTGCT	GT
Section 2064									
	(158852)	158852	158862	158873	158884	158895	158906	158917	158928
Candidatus Carsonella ruddii strain BT chromosome...	(158466)	AATTGAATTAATA	AAAAAATTATA	AATAATTTTGATAT	AATTTTAACT	TCAAATATATTTGGT	-GATATATTATCTGAT		
Candidatus Carsonella 135557 - 167442nt	(22910)	AATTGAATTAATA	AAAAAATTATA	AATAATTTTGATAT	AATTTTAACT	TCAAATATATTTGGT	-GATATATTATCTGAT		
SARS-CoV-2 Reference Genome NC_045512.2	(21435)	TATGTCT	TTAAAGAGG	TCAATCAA---	TGATATGATTTTA	TCTCTTCTAG	TAAAGGTAGACT	TAT	AATTAGAG

SARS-CoV-2 & Bakterien.apr

		Section 2065						
	(158929)	158929	158939	158950	158961	158972	158983	158994 159005
Candidatus Carsonella ruddii strain BT chromosome...	(158542)	CAATGTTCTTTATTAACTGGTTTCATTAGGAATGTTGCGCTTCAATTTCTATAAAATAATAAATCAATTTGTTTATTTGA						
Candidatus Carsonella 135557 - 167442nt	(22986)	CAATGTTCTTTATTAACTGGTTTCATTAGGAATGTTGCGCTTCAATTTCTATAAAATAATAAATCAATTTGTTTATTTGA						
SARS-CoV-2 Reference Genome NC_045512.2	(21509)	AAACA-----ACAGAGTTGTT-ATTTCCTAGTGATG--TTCT-TGTTAACAACCTAAACGAACAATGT-TTGTTTT-						
		Section 2066						
	(159006)	159006	159016	159027	159038	159049	159060	159071 159082
Candidatus Carsonella ruddii strain BT chromosome...	(158619)	ACCATGTCATGGAAGTGCGCCAGATATAGCTGGTAAAAACATAGCAAAATCCAATAGGGATTTTATTATCTTTAGTTA						
Candidatus Carsonella 135557 - 167442nt	(23063)	ACCATGTCATGGAAGTGCGCCAGATATAGCTGGTAAAAACATAGCAAAATCCAATAGGGATTTTATTATCTTTAGTTA						
SARS-CoV-2 Reference Genome NC_045512.2	(21575)	-CT-TGTTT--AT-TG--CCACTAGTCTCTAGTCAAGTGTGTTAATCTTACAAACCAAGAACTCAATTAACCCCTGCA-						
		Section 2067						
	(159083)	159083	159093	159104	159115	159126	159137	159148 159159
Candidatus Carsonella ruddii strain BT chromosome...	(158696)	TGTTATTTGAATATTTTATTAAATAATAAAAAATTATCTAATAAAATTTT-ATTCT-ATTTATAAAGTTTATCAT						
Candidatus Carsonella 135557 - 167442nt	(23140)	TGTTATTTGAATATTTTATTAAATAATAAAAAATTATCTAATAAAATTTT-ATTCT-ATTTATAAAGTTTATCAT						
SARS-CoV-2 Reference Genome NC_045512.2	(21644)	--TACACTAATCTTTTACACGTTGGTGTGTTATACCCTGACAAAGTTTTCAGATCCTCAGTTTATCAATCAACTCAG						
		Section 2068						
	(159160)	159160	159170	159181	159192	159203	159214	159225 159236
Candidatus Carsonella ruddii strain BT chromosome...	(158771)	TTGGTTTTTGTACAATTGATATGAAAAATTTTTTAAAAAAAAAAAAATAATTTCTACAGAGAATTTGGAGATTTA						
Candidatus Carsonella 135557 - 167442nt	(23215)	TTGGTTTTTGTACAATTGATATGAAAAATTTTTTAAAAAAAAAAAAATAATTTCTACAGAGAATTTGGAGATTTA						
SARS-CoV-2 Reference Genome NC_045512.2	(21719)	GACTTGTTCTTACCTTTCTTTCCAAATGTTACTTGGTTC----CA-----TGCTATACATGTCTCTGGGAGCCAA						
		Section 2069						
	(159237)	159237	159247	159258	159269	159280	159291	159302 159313
Candidatus Carsonella ruddii strain BT chromosome...	(158848)	GTAAATTATTATTTTTTATATGATTAAATTTAGGAATAATTGCTTGAGAGGTTTGTGGAAGTGTTTTAAATAAATA						
Candidatus Carsonella 135557 - 167442nt	(23292)	GTAAATTATTATTTTTTATATGATTAAATTTAGGAATAATTGCTTGAGAGGTTTGTGGAAGTGTTTTAAATAAATA						
SARS-CoV-2 Reference Genome NC_045512.2	(21784)	TGGTACTAGAGGTTTGATAACCTGTCTTCCATTAATGATGGTGTGTTATTTTGCTTCCACTG---AGAGGTCAT						
		Section 2070						
	(159314)	159314	159324	159335	159346	159357	159368	159379 159390
Candidatus Carsonella ruddii strain BT chromosome...	(158925)	GAATAAAAAATAGCTTTATTTATAAATATTGTAATATATATTTATTTCTACAAATAAATAAATAAATAAAAAATGAT						
Candidatus Carsonella 135557 - 167442nt	(23369)	GAATAAAAAATAGCTTTATTTATAAATATTGTAATATATATTTATTTCTACAAATAAATAAATAAATAAAAAATGAT						
SARS-CoV-2 Reference Genome NC_045512.2	(21858)	ACATAATAAAGAGGCTGGATTTT--G----GTACTA---CTTTAGATTCGAGAGCCAGTCCCTACTTAT---TGTT						

SARS-CoV-2 & Bakterien.apr

Section 2071									
	(159391)	159391	159401	159412	159423	159434	159445	159456	159467
Candidatus Carsonella ruddii strain BT chromosome...	(159002)	ATAAACGATGC	CATATAATAT	AAAAATTATTAAAA	AAATATGAATAT	TAATAATTTGT	TGTCAAGGAAGTA	ATTTTACAAA	
Candidatus Carsonella 135557 - 167442nt	(23446)	ATAAACGATGC	CATATAATAT	AAAAATTATTAAAA	AAATATGAATAT	TAATAATTTGT	TGTCAAGGAAGTA	ATTTTACAAA	
SARS-CoV-2 Reference Genome NC_045512.2	(21923)	AATACGC	TAC---	TAATGT	TG--TTATTAAAA	GTC	TGTGAATT	TCA-ATTTTGT	----AATGATCCATTTTGGGTG
Section 2072									
	(159468)	159468	159478	159489	159500	159511	159522	159533	159544
Candidatus Carsonella ruddii strain BT chromosome...	(159079)	AAAAATTTTAA	AAAAAATA	AAAAATTTTAT	TGGAAAGGTTAT	TGGATAGATGCT	TTCTAGTT	TTTTTAAGAAT	GAATA
Candidatus Carsonella 135557 - 167442nt	(23523)	AAAAATTTTAA	AAAAAATA	AAAAATTTTAT	TGGAAAGGTTAT	TGGATAGATGCT	TTCTAGTT	TTTTTAAGAAT	GAATA
SARS-CoV-2 Reference Genome NC_045512.2	(21990)	TTTA	-TTACCAC	AAAAA	CAACAAAGTT	GGA	TGGAAAG	-TGAGTT	CAAGAGTTTATTCTAGTGC-----GAAT-AAT
Section 2073									
	(159545)	159545	159555	159566	159577	159588	159599	159610	159621
Candidatus Carsonella ruddii strain BT chromosome...	(159156)	ACGAATGTTCT	TTAATATTAGAT	CTTTTAAATAAAGAT	TGATTAAATAAAAA	AAATTAATATATT	AAATTTTCT		
Candidatus Carsonella 135557 - 167442nt	(23600)	ACGAATGTTCT	TTAATATTAGAT	CTTTTAAATAAAGAT	TGATTAAATAAAAA	AAATTAATATATT	AAATTTTCT		
SARS-CoV-2 Reference Genome NC_045512.2	(22059)	GCACTTTTGAA	TATGTCCTC	AGCCTTTTCT	TATGGA	CC-TTGAA	GGAAAA	CA	GGGTAAATTTCAA
Section 2074									
	(159622)	159622	159632	159643	159654	159665	159676	159687	159698
Candidatus Carsonella ruddii strain BT chromosome...	(159233)	GGAGCTAATT	GTACTGTTAG	TTTAGCTTTA	ATTTTATTAAAAAT	TTATTAAAA	TTAACTTAATAG	AATGGATTTC	
Candidatus Carsonella 135557 - 167442nt	(23677)	GGAGCTAATT	GTACTGTTAG	TTTAGCTTTA	ATTTTATTAAAAAT	TTATTAAAA	TTAACTTAATAG	AATGGATTTC	
SARS-CoV-2 Reference Genome NC_045512.2	(22130)	--AGGG	AATT	TGTGTT	TAAGAA	TA--TTGA	TGGTTATT	TTAAAA	TATTCTAAGCACACGCCTATT
Section 2075									
	(159699)	159699	159709	159720	159731	159742	159753	159764	159775
Candidatus Carsonella ruddii strain BT chromosome...	(159310)	CACATCTAGT	TATCAAGCTAT	ATCTGGAGCAG	GTTCAAAAT	TAGTAACAAA	ATTATTAA	TATTAATTTAT	CAT
Candidatus Carsonella 135557 - 167442nt	(23754)	CACATCTAGT	TATCAAGCTAT	ATCTGGAGCAG	GTTCAAAAT	TAGTAACAAA	ATTATTAA	TATTAATTTAT	CAT
SARS-CoV-2 Reference Genome NC_045512.2	(22203)	GTGATCT	CCC	T--CAG	GGTTTTC	GGCTTTAG	AAC	CATTGGTAG	ATTTGCCAATAGGTAATTAACATCACTAGGTTC
Section 2076									
	(159776)	159776	159786	159797	159808	159819	159830	159841	159852
Candidatus Carsonella ruddii strain BT chromosome...	(159387)	ATAATTTAGAAA	TAAATTTATTAAAA	ATTGAAAAAA	TATTAATTTT	TTTAA	AAAAAAATA	-ATCCAAT	TATTATA
Candidatus Carsonella 135557 - 167442nt	(23831)	ATAATTTAGAAA	TAAATTTATTAAAA	ATTGAAAAAA	TATTAATTTT	TTTAA	AAAAAAATA	-ATCCAAT	TATTATA
SARS-CoV-2 Reference Genome NC_045512.2	(22278)	AAAC	TTTA	---CT	TGCTTTA	CATAGAA	GTTATTTG	ACTCC	TGGTGATTCTTCTTCAGGTTGGACAGCTGGTGC

SARS-CoV-2 & Bakterien.apr

		Section 2077							
		(159853)	159853	159863	159874	159885	159896	159907	159918 159929
Candidatus Carsonella ruddii strain BT chromosome...	(159463)	TAATGCTATACCTTGGATAGATAAAAAAGTAAATTT-TAGTCAAACCAAAAGAAGATGGAAATCATCTTCTGAAGCT							
Candidatus Carsonella 135557 - 167442nt	(23907)	TAATGCTATACCTTGGATAGATAAAAAAGTAAATTT-TAGTCAAACCAAAAGAAGATGGAAATCATCTTCTGAAGCT							
SARS-CoV-2 Reference Genome NC_045512.2	(22352)	GCTTATATGTGGGTTATCTTCAACTAGGACTTTTCATTAAAAATATAATGAAATGGAAAC-CAT-TACAGATGCT							
		Section 2078							
		(159930)	159930	159940	159951	159962	159973	159984	159995 160006
Candidatus Carsonella ruddii strain BT chromosome...	(159539)	TCTAAAAATATTAAATAAAAAATTATAATTGATTCAAAATTGTGTAAGAATAGCATCTTTAAGATGTCATTTCACAGTA							
Candidatus Carsonella 135557 - 167442nt	(23983)	TCTAAAAATATTAAATAAAAAATTATAATTGATTCAAAATTGTGTAAGAATAGCATCTTTAAGATGTCATTTCACAGTA							
SARS-CoV-2 Reference Genome NC_045512.2	(22427)	G-TAGACGTGTCACCTTGACCTCTCTCA--GAAACAA--GTGTA-----GGTT--GAAATCTTCACAGTA							
		Section 2079							
		(160007)	160007	160017	160028	160039	160050	160061	160072 160083
Candidatus Carsonella ruddii strain BT chromosome...	(159616)	TTTTTTAATAAAATTTAATAAAAAATATTAAATTTAATAATATATATGAAATTATACATCATAAATTTGTTTATATAG							
Candidatus Carsonella 135557 - 167442nt	(24060)	TTTTTTAATAAAATTTAATAAAAAATATTAAATTTAATAATATATATGAAATTATACATCATAAATTTGTTTATATAG							
SARS-CoV-2 Reference Genome NC_045512.2	(22487)	G----A AAAAGGAATCTATCAAACTTC TAA C-TT TAGAGTCCACCAACA GAATCTATGTTAGATTTCCTA-ATA T							
		Section 2080							
		(160084)	160084	160094	160105	160116	160127	160138	160149 160160
Candidatus Carsonella ruddii strain BT chromosome...	(159693)	TTAAAAATTAATGAAAAAATTCTAATTTAATTTTAAACACCATATTAATGTTATCTGGAAAAATTAAAAATTTTGTAGGT							
Candidatus Carsonella 135557 - 167442nt	(24137)	TTAAAAATTAATGAAAAAATTCTAATTTAATTTTAAACACCATATTAATGTTATCTGGAAAAATTAAAAATTTTGTAGGT							
SARS-CoV-2 Reference Genome NC_045512.2	(22558)	TACAAACTTGTGCCCTTTTGGTG AAGTTT TTAACGC CACCA GATT-TGCATCTG-----TTTATGCTTGGAAACAGGA							
		Section 2081							
		(160161)	160161	160171	160182	160193	160204	160215	160226 160237
Candidatus Carsonella ruddii strain BT chromosome...	(159770)	AGA--ATTAAAAAAGTTTAAATTAATAATAAAATTTTACAAATGTTTAGCATAGGAGATCAATTATT-GTGGGGTGC							
Candidatus Carsonella 135557 - 167442nt	(24214)	AGA--ATTAAAAAAGTTTAAATTAATAATAAAATTTTACAAATGTTTAGCATAGGAGATCAATTATT-GTGGGGTGC							
SARS-CoV-2 Reference Genome NC_045512.2	(22629)	AGAGAATCAGCAACTGTGTGCTGATTATTCTGTCCCT-ATA TAAATCCGCATCATTTTCACCTTTTAAAGTGTTATGG							
		Section 2082							
		(160238)	160238	160248	160259	160270	160281	160292	160303 160314
Candidatus Carsonella ruddii strain BT chromosome...	(159844)	AGCTGAACCTATTAAAAAGATTTTGTAGAAATATTAAATAAGTAATATATTATGAAATTTAAATTTTGTGGTGTAAAAAA							
Candidatus Carsonella 135557 - 167442nt	(24288)	AGCTGAACCTATTAAAAAGATTTTGTAGAAATATTAAATAAGTAATATATTATGAAATTTAAATTTTGTGGTGTAAAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(22705)	AGTGTCTCCTAC TAAA---TTAAATGATCTCTGCTTAC TAATGTCT-ATGCA GATTCA--TTTGTAA--TTAGAGG							

SARS-CoV-2 & Bakterien.apr

Section 2083									
	(160315)	160315	160325	160336	160347	160358	160369	160380	160391
Candidatus Carsonella ruddii strain BT chromosome...	(159921)	TAAAAAAGATATTTAAAAAGCTATTTTATGTAATGCTAATTTTATAGGTTTAAATTTTATAAAAAATAGTAAAGAT							
Candidatus Carsonella 135557 - 167442nt	(24365)	TAAAAAAGATATTTAAAAAGCTATTTTATGTAATGCTAATTTTATAGGTTTAAATTTTATAAAAAATAGTAAAGAT							
SARS-CoV-2 Reference Genome NC_045512.2	(22774)	TGATGAAGTCAGACAAATCGCTCCAGGGCAAACCTGGAAGATTGCTGATTATAATTAT----	AAATTACCAGATGAT						
Section 2084									
	(160392)	160392	160402	160413	160424	160435	160446	160457	160468
Candidatus Carsonella ruddii strain BT chromosome...	(159998)	TTTACAAAGATA-GTTTFA--TTCCATTAAATTAAAT--GATTCC-----TTCTTATATTTATAA--AGTTGCTTT							
Candidatus Carsonella 135557 - 167442nt	(24442)	TTTACAAAGATA-GTTTFA--TTCCATTAAATTAAAT--GATTCC-----TTCTTATATTTATAA--AGTTGCTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(22847)	TTT-ACAGGCTGCGGTTATAGCTTGGGAATTCTTAACAATCTTGATTCTAAGGTGGTGGTATTATATAATTACC	TGTTATTA						
Section 2085									
	(160469)	160469	160479	160490	160501	160512	160523	160534	160545
Candidatus Carsonella ruddii strain BT chromosome...	(160062)	ATTTGTTAATGAAGAAATATAATATAATTAATAAAAATTAAAAATTATTTTGATTTAATTCATTTTCATGGAACGAA							
Candidatus Carsonella 135557 - 167442nt	(24506)	ATTTGTTAATGAAGAAATATAATATAATTAATAAAAATTAAAAATTATTTTGATTTAATTCATTTTCATGGAACGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(22923)	GATTGTTTAGGAAG--TCTAATCTCAAACTTTTGAGAGAGAT-ATTTCAACTGAAATCTATCAGGCCG	GTAAGCA						
Section 2086									
	(160546)	160546	160556	160567	160578	160589	160600	160611	160622
Candidatus Carsonella ruddii strain BT chromosome...	(160139)	GTTTTTTTTTTTGT-GAATTATTTAATAAAAAATATA--TTAAAACTATAAGGTTAAATAAAAAAACAGATTTTAA							
Candidatus Carsonella 135557 - 167442nt	(24583)	GTTTTTTTTTTTGT-GAATTATTTAATAAAAAATATA--TTAAAACTATAAGGTTAAATAAAAAAACAGATTTTAA							
SARS-CoV-2 Reference Genome NC_045512.2	(22997)	CCTTGTAA	TGGTGTGAA	GGTTTAAAT	TGTTACTTTCCCTTACAAATCATATGGTTTC--CAACCACTAAT	GGTGT			
Section 2087									
	(160623)	160623	160633	160644	160655	160666	160677	160688	160699
Candidatus Carsonella ruddii strain BT chromosome...	(160213)	ATTTTTTTATT-ATTCAAA-TAATTTTTTTTCTTTTTTAATTGATAAAAAAATATTAATTATGGTGGT	TTTGGTGAA						
Candidatus Carsonella 135557 - 167442nt	(24657)	ATTTTTTTATT-ATTCAAA-TAATTTTTTTTCTTTTTTAATTGATAAAAAAATATTAATTATGGTGGT	TTTGGTGAA						
SARS-CoV-2 Reference Genome NC_045512.2	(23072)	GGTTACCA	ACCATACAGAGTAGTAGTAC	TTTCTTTTGAACTTC	TACATGCACCAAGCAAC--TGTTTGTGGACC	TAA			
Section 2088									
	(160700)	160700	160710	160721	160732	160743	160754	160765	160776
Candidatus Carsonella ruddii strain BT chromosome...	(160288)	CAATATAAAAAATTTAAATTTAATAAAAAAATTCATGTTTATTTTC--TGGT-----GGAATTAATTTATTTAAT							
Candidatus Carsonella 135557 - 167442nt	(24732)	CAATATAAAAAATTTAAATTTAATAAAAAAATTCATGTTTATTTTC--TGGT-----GGAATTAATTTATTTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(23147)	AAGTCTACTAA--TTTGGTTA	AAACAAATGTGTCAATTTCAACTTC	AATGGTTTAAACA	GGCACAGGTGTTC	TACT			

SARS-CoV-2 & Bakterien.apr

Section 2089																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	(160777)	160777	160787	160798	160809	160820	160831	160842	160853																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Candidatus Carsonella ruddii strain BT chromosome...	(160357)	TA	---	TAAAA	AAAAA	--	TTCT	TAT	TTTT	TCAA	ATTGTTT	TTTA	TA	TAGAT	TATT	TGT	AGTAGT	TTT	TAGA	ATAT	TAA	CA	ATTA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Candidatus Carsonella 135557 - 167442nt	(24801)	TA	---	TAAAA	AAAAA	--	TTCT	TAT	TTTT	TCAA	ATTGTTT	TTTA	TA	TAGAT	TATT	TGT	AGTAGT	TTT	TAGA	ATAT	TAA	CA	ATTA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
SARS-CoV-2 Reference Genome NC_045512.2	(23222)	GA	GTC	TAA	C	AAAAA	GT	TTCT	GCC	TTT	C	CAA	CA	--	A	TTT	GGC	A	G	AGA	C	ATT	GCT	G	TGAC	ACT	ACT	GA	TGCT	T	GT	GC	T	GT	GAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Section 2090																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	(160854)	160854	160864	160875	160886	160897	160908	160919	160930																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Candidatus Carsonella ruddii strain BT chromosome...	(160429)	AAAAA	TAT	TAAAAA	AAT	GAT	AA	ATT	TTT	TAT	ATA	T	AA	TG	TTT	TAT	TAA	AT	AAAA	TAT	T	TAA	G	AAAA	AAT	AAAA	A	TAA	AT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Candidatus Carsonella 135557 - 167442nt	(24873)	AAAAA	TAT	TAAAAA	AAT	GAT	AA	ATT	TTT	TAT	ATA	T	AA	TG	TTT	TAT	TAA	AT	AAAA	TAT	T	TAA	G	AAAA	AAT	AAAA	A	TAA	AT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
SARS-CoV-2 Reference Genome NC_045512.2	(23297)	CC	A	C	A	G	A	C	A	CTT	G	A	G	A	T	C	T	T	G	A	C	A	T	T	A	C	AT	G	T	T	C	AT	G	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T

SARS-CoV-2 & Bakterien.apr

Section 2095									
	(161239)	161239	161249	161260	161271	161282	161293	161304	161315
Candidatus Carsonella ruddii strain BT chromosome...	(160807)	TTTACGAAGAAATAACTATACCTTTATTTATAAAATTATTCAAATTTATTATATTTCAGGACAAATACCTAAATTTTAT							
Candidatus Carsonella 135557 - 167442nt	(25251)	TTTACGAAGAAATAACTATACCTTTATTTATAAAATTATTCAAATTTATTATATTTCAGGACAAATACCTAAATTTTAT							
SARS-CoV-2 Reference Genome NC_045512.2	(23659)	TGGT-GCAGAAA-----ATTTCAGTTGCTTA--C-----TCTAATAA-ACTCTATT---GCCATACCACAAATTTTAC							
Section 2096									
	(161316)	161316	161326	161337	161348	161359	161370	161381	161392
Candidatus Carsonella ruddii strain BT chromosome...	(160884)	AATAATTTATTTAAATAGAAAAAATTAATTCTTTTTTAATTCCAACCTCAGAAGTAATTTTAAATTGTTTATCTTT							
Candidatus Carsonella 135557 - 167442nt	(25328)	AATAATTTATTTAAATAGAAAAAATTAATTCTTTTTTAATTCCAACCTCAGAAGTAATTTTAAATTGTTTATCTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(23719)	TATTAGTGTG--TTACCACAGAAATTCACCAGTGTCTATGACCAAGACATCAGTAG--ATTGTACAAATGTACATTGT							
Section 2097									
	(161393)	161393	161403	161414	161425	161436	161447	161458	161469
Candidatus Carsonella ruddii strain BT chromosome...	(160961)	TTTTATAAAAAATAATTTTTTACCAATAAAATTAATATGTAATAGTTATTGTTTTAGAAAAAGAAATAGGTAATCTTT							
Candidatus Carsonella 135557 - 167442nt	(25405)	TTTTATAAAAAATAATTTTTTACCAATAAAATTAATATGTAATAGTTATTGTTTTAGAAAAAGAAATAGGTAATCTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(23792)	GGTGATTCAACTGAATG-----CAGCAAATCTTTTGTGTGCAATA-TGGCAGTTTTTGTAACAATAAACCCTGCTT							
Section 2098									
	(161470)	161470	161480	161491	161502	161513	161524	161535	161546
Candidatus Carsonella ruddii strain BT chromosome...	(161038)	GTAAAAATAATTTAGGTATAAAAAGACAAACAACAATTTAAAAAATTGAAATTTTTCAATTTTTTAAAAAAAATGAA							
Candidatus Carsonella 135557 - 167442nt	(25482)	GTAAAAATAATTTAGGTATAAAAAGACAAACAACAATTTAAAAAATTGAAATTTTTCAATTTTTTAAAAAAAATGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(23862)	-TAACTGGAAATAGCTGTGAAACAAGACAAACAACCCAGAAAGTTTGTGCAACAGTCAACACAAATTTACAAAACACC							
Section 2099									
	(161547)	161547	161557	161568	161579	161590	161601	161612	161623
Candidatus Carsonella ruddii strain BT chromosome...	(161115)	TCCTTTTGAAGATTTTATTCTATATGTTCTAATAATAATTTATATATTA--AAATTATTAGAAATAAAATTTAGAATA							
Candidatus Carsonella 135557 - 167442nt	(25559)	TCCTTTTGAAGATTTTATTCTATATGTTCTAATAATAATTTATATATTA--AAATTATTAGAAATAAAATTTAGAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(23938)	ACCAATTAAAGATTTTGGT-----GTTTAAATTCTTCACAAATATTA--CCAGATCCATCAAAACCAAGCAAGAGGTC							
Section 2100									
	(161624)	161624	161634	161645	161656	161667	161678	161689	161700
Candidatus Carsonella ruddii strain BT chromosome...	(161190)	ATAAAATTAAATTCT---TATGAATTAAATTTAAATTTCTTTTAAACCTTTGATTTTGAAATTTGGAG-TTATATTG							
Candidatus Carsonella 135557 - 167442nt	(25634)	ATAAAATTAAATTCT---TATGAATTAAATTTAAATTTCTTTTAAACCTTTGATTTTGAAATTTGGAG-TTATATTG							
SARS-CoV-2 Reference Genome NC_045512.2	(24010)	ATTTATTGAAATCTACTTTTCACAAAGTGACACTTGACAGATGCTGGCTTCATCAAACAAATATGGTGATTGCCTTG							

SARS-CoV-2 & Bakterien.apr

			Section 2101							
			161701	161711	161722	161733	161744	161755	161766	161777
Candidatus Carsonella ruddii strain BT chromosome...	(161701)	(161263)	ATAATCTTG	GATAGAAATTTCTTCTTTGTCGTTATGTTTAA	----	TAAATCTTTTAATATTTT	TTTAA	AAAAA	AAAAA	AAAAA
Candidatus Carsonella 135557 - 167442nt	(25707)	(25707)	ATAATCTTG	GATAGAAATTTCTTCTTTGTCGTTATGTTTAA	----	TAAATCTTTTAATATTTT	TTTAA	AAAAA	AAAAA	AAAAA
SARS-CoV-2 Reference Genome NC_045512.2	(24087)	(24087)	GTGATATGCTGCTAGAGACC	TCATTGTGTCACAA	AGTTTAA	CGGCC	TACTGTTTT	GCCACC	TTTGCTCA	CAGAT
			Section 2102							
			161778	161788	161799	161810	161821	161832	161843	161854
Candidatus Carsonella ruddii strain BT chromosome...	(161778)	(161335)	AAAATATTTATTTAATAAATGCTTCCTGCTCCCTTTAGGAAGATTAAATATATATTATTTTATAC	TTTGA	ATT	TTTGA	ATT	TTTGA	ATT	TTTGA
Candidatus Carsonella 135557 - 167442nt	(25779)	(25779)	AAAATATTTATTTAATAAATGCTTCCTGCTCCCTTTAGGAAGATTAAATATATATTATTTTATAC	TTTGA	ATT	TTTGA	ATT	TTTGA	ATT	TTTGA
SARS-CoV-2 Reference Genome NC_045512.2	(24164)	(24164)	GAAATGATTGCTCAATACA	CTTC	TGCA	CTGTAG	CGGGTACA	AATC	ACTTCTGGTTGGAC	CTTTGGT
			Section 2103							
			161855	161865	161876	161887	161898	161909	161920	161931
Candidatus Carsonella ruddii strain BT chromosome...	(161855)	(161412)	AGTAATGTTTTATTAAATTCCTAAAAAATTAATAAAATTTTAACCGATCTGTGAAATGGTAAACAAACAAGAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA
Candidatus Carsonella 135557 - 167442nt	(25856)	(25856)	AGTAATGTTTTATTAAATTCCTAAAAAATTAATAAAATTTTAACCGATCTGTGAAATGGTAAACAAACAAGAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA
SARS-CoV-2 Reference Genome NC_045512.2	(24230)	(24230)	GCAGGTGCTGCATTACAA	-----	ATA	CCATTTG	-----	CTATGC	AAATGG	-----CTTATAGGTT
			Section 2104							
			161932	161942	161953	161964	161975	161986	161997	162008
Candidatus Carsonella ruddii strain BT chromosome...	(161932)	(161489)	TTAGAATCTTGTGCTTATGCATAGGGGTTCAAAATCCCTGTTCGGTAAAAAAATATATGAAAAATTTTAAATTA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA
Candidatus Carsonella 135557 - 167442nt	(25933)	(25933)	TTAGAATCTTGTGCTTATGCATAGGGGTTCAAAATCCCTGTTCGGTAAAAAAATATATGAAAAATTTTAAATTA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA	AAAA
SARS-CoV-2 Reference Genome NC_045512.2	(24280)	(24280)	TAA	TGGTATTG	GAGTTACA	CAGAAATGTT	-----	C	TCTATGAGAACCA	AAAAATGATTGCAACCAATTTAAT--A
			Section 2105							
			162009	162019	162030	162041	162052	162063	162074	162085
Candidatus Carsonella ruddii strain BT chromosome...	(162009)	(161566)	AATTAGATATGGTATTAATAATGAGAAATTTTATTATTAATTAATAAATACTAAAAAAGAAAAATATTTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
Candidatus Carsonella 135557 - 167442nt	(26010)	(26010)	AATTAGATATGGTATTAATAATGAGAAATTTTATTATTAATTAATAAATACTAAAAAAGAAAAATATTTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT
SARS-CoV-2 Reference Genome NC_045512.2	(24348)	(24348)	-G	TGCTAT	TGGCAAAATTC	AGACTCAC	TTTTCTTCCACAG	---CAA	GTGC	ACTTGGAAAACTTCAAGATGTGGTC-
			Section 2106							
			162086	162096	162107	162118	162129	162140	162151	162162
Candidatus Carsonella ruddii strain BT chromosome...	(162086)	(161643)	TTATAATAATTATTATAAATAACAATTTTACATA	---	TAA	TATAAATTA	AAAAA	AATTTT	TTTTTA	TGCAAAAAT
Candidatus Carsonella 135557 - 167442nt	(26087)	(26087)	TTATAATAATTATTATAAATAACAATTTTACATA	---	TAA	TATAAATTA	AAAAA	AATTTT	TTTTTA	TGCAAAAAT
SARS-CoV-2 Reference Genome NC_045512.2	(24419)	(24419)	-----	AA	CCAAAATGC	ACAA	GCTTTAAACA	CGCTGT	TAAACA	CTTAGCTCCAAATTTTGG----TGCAA----T

SARS-CoV-2 & Bakterien.apr

		Section 2107							
		(162163)	162163	162173	162184	162195	162206	162217	162228 162239
Candidatus Carsonella ruddii strain BT chromosome...	(161718)	ATTTATTTTAAAATATATTAATATGTGG-TGGAGATGGAAGTATTATAAATAGTTTAAATATTTTATAATAG							
Candidatus Carsonella 135557 - 167442nt	(26162)	ATTTATTTTAAAATATATTAATATGTGG-TGGAGATGGAAGTATTATAAATAGTTTAAATATTTTATAATAG							
SARS-CoV-2 Reference Genome NC_045512.2	(24481)	TTCAGTGTGTTTAAATGATATCCTTTCACGTC TTGACAAAGTTGAGGCTGAAGTGCAAAATGATAGGTTGATCAG							
		Section 2108							
		(162240)	162240	162250	162261	162272	162283	162294	162305 162316
Candidatus Carsonella ruddii strain BT chromosome...	(161794)	AAAAATATTTATTAAAAATTTAAATTTTGTAATTTAGGATTTTAAACAAATAATAATATTAAAAAAAATTTT---							
Candidatus Carsonella 135557 - 167442nt	(26238)	AAAAATATTTATTAAAAATTTAAATTTTGTAATTTAGGATTTTAAACAAATAATAATATTAAAAAAAATTTT---							
SARS-CoV-2 Reference Genome NC_045512.2	(24558)	GCAGAC-----TTCAAAGTTTGACAGCATATGTGACTCAACAAATAATTAAGAGCTGCAGAAATCAGAGCT							
		Section 2109							
		(162317)	162317	162327	162338	162349	162360	162371	162382 162393
Candidatus Carsonella ruddii strain BT chromosome...	(161868)	TATTAAAATCTTG-TATTGGTAATATATTAA--TTTCTAGTAAAAATATTAATTTTTCTTTATTATTTTTGAATGAA							
Candidatus Carsonella 135557 - 167442nt	(26312)	TATTAAAATCTTG-TATTGGTAATATATTAA--TTTCTAGTAAAAATATTAATTTTTCTTTATTATTTTTGAATGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(24623)	TCTGCTAATCTTGCTGCTACTAAATGTCAGAGTGTGTACTTGGACAAATCAAAGAGTTGATTTTGTGGAAAGGG							
		Section 2110							
		(162394)	162394	162404	162415	162426	162437	162448	162459 162470
Candidatus Carsonella ruddii strain BT chromosome...	(161942)	ATATTAAATAAAAATAAAAGTTTAAAAATAAAATTAATAAAACAAATTTTCTTATCTGATTTAATTTTAATATCATT							
Candidatus Carsonella 135557 - 167442nt	(26386)	ATATTAAATAAAAATAAAAGTTTAAAAATAAAATTAATAAAACAAATTTTCTTATCTGATTTAATTTTAATATCATT							
SARS-CoV-2 Reference Genome NC_045512.2	(24700)	CTATCATCTTATATGTCCTTCCCCTCAGTCAGCACTCATGGTGTAGTCTTCTTGCATGTGACTTA--TGTCCCTGCA							
		Section 2111							
		(162471)	162471	162481	162492	162503	162514	162525	162536 162547
Candidatus Carsonella ruddii strain BT chromosome...	(162019)	AGATAATGGAT---CAACAGGATATATGTTTTCTAATAAT---AAAATACAATTTAAAGGTAATTATTTAACATTTT							
Candidatus Carsonella 135557 - 167442nt	(26463)	AGATAATGGAT---CAACAGGATATATGTTTTCTAATAAT---AAAATACAATTTAAAGGTAATTATTTAACATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(24775)	AGAAAAGAACTTCACAACTGCTCCTGCCATTTGTCTATGATGGAAGGACACACTTTCTCTGTGAAGGTGTC---TTTG							
		Section 2112							
		(162548)	162548	162558	162569	162580	162591	162602	162613 162624
Candidatus Carsonella ruddii strain BT chromosome...	(162090)	TATTAAATAAGATCTCATACAAATAAAAAATTTATTTTTTTTTTTAAAAAATAAAAAATTAAAAATTAAATTCATAAATA							
Candidatus Carsonella 135557 - 167442nt	(26534)	TATTAAATAAGATCTCATACAAATAAAAAATTTATTTTTTTTTTTAAAAAATAAAAAATTAAAAATTAAATTCATAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(24849)	TTTCAAATGCGACACACTGGTTTGTAAACAAAGGAAATTTTATGAAACCACAATCATTACTACAGACAACAATTT							

SARS-CoV-2 & Bakterien.apr

Section 2113									
	(162625)	162625	162635	162646	162657	162668	162679	162690	162701
Candidatus Carsonella ruddii strain BT chromosome...	(162167)	AAATTTAATT	TTAGATT	TATGTT	CAAAAAATTTT	TTTAA	AACAATATTT	TAATAATTTT	TATTAAAAA
Candidatus Carsonella 135557 - 167442nt	(26611)	AAATTTAATT	TTAGATT	TATGTT	CAAAAAATTTT	TTTAA	AACAATATTT	TAATAATTTT	TATTAAAAA
SARS-CoV-2 Reference Genome NC_045512.2	(24926)	GTG	TCTGG	TAAC	TG	ATGTT	GT	AA	TAGGAA
Section 2114									
	(162702)	162702	162712	162723	162734	162745	162756	162767	162778
Candidatus Carsonella ruddii strain BT chromosome...	(162744)	TTTTTTAA	--	ATGATTTT	AAAAAT	AAAAAT	TATGATAAA	ATAAAAT	AAAAAAGTT
Candidatus Carsonella 135557 - 167442nt	(26688)	TTTTTTAA	--	ATGATTTT	AAAAAT	AAAAAT	TATGATAAA	ATAAAAT	AAAAAAGTT
SARS-CoV-2 Reference Genome NC_045512.2	(25001)	TCATTC	AA	GG	AG	GA	TTA	GATA	AA
Section 2115									
	(162779)	162779	162789	162800	162811	162822	162833	162844	162855
Candidatus Carsonella ruddii strain BT chromosome...	(162319)	AAAATATTT	TATAAT	TTTTTAAT	TAAAA	TAGGAAT	AC	AAAAA	AAATTT
Candidatus Carsonella 135557 - 167442nt	(26763)	AAAATATTT	TATAAT	TTTTTAAT	TAAAA	TAGGAAT	AC	AAAAA	AAATTT
SARS-CoV-2 Reference Genome NC_045512.2	(25077)	TTAAT	GCT	CAGT	T	G	TAAAC	ATT	C
Section 2116									
	(162856)	162856	162866	162877	162888	162899	162910	162921	162932
Candidatus Carsonella ruddii strain BT chromosome...	(162394)	ATTGTTT	TAATAA	ACTTGG	ATAAA	--	ATTATTA	AAAAA	ATTTT
Candidatus Carsonella 135557 - 167442nt	(26838)	ATTGTTT	TAATAA	ACTTGG	ATAAA	--	ATTATTA	AAAAA	ATTTT
SARS-CoV-2 Reference Genome NC_045512.2	(25154)	ATC	GAT	CTCC	AA	GA	ACTTGG	AA	GTA
Section 2117									
	(162933)	162933	162943	162954	162965	162976	162987	162998	163009
Candidatus Carsonella ruddii strain BT chromosome...	(162469)	TTTTAT	CTGG	AATAAT	AAAAAT	ATTTT	TTTAA	TATTAAT	AAAAAT
Candidatus Carsonella 135557 - 167442nt	(26913)	TTTTAT	CTGG	AATAAT	AAAAAT	ATTTT	TTTAA	TATTAAT	AAAAAT
SARS-CoV-2 Reference Genome NC_045512.2	(25221)	TTATA	G	CTGG	CT	T	GATT	GCC	ATA
Section 2118									
	(163010)	163010	163020	163031	163042	163053	163064	163075	163086
Candidatus Carsonella ruddii strain BT chromosome...	(162546)	TTTAATAT	TTT	TAAAAAT	TTT	TAAAAAT	TTGAAAA	AAAAAT	TAA
Candidatus Carsonella 135557 - 167442nt	(26990)	TTTAATAT	TTT	TAAAAAT	TTT	TAAAAAT	TTGAAAA	AAAAAT	TAA
SARS-CoV-2 Reference Genome NC_045512.2	(25289)	T	----	G	T	C	T	AA	GGGC

SARS-CoV-2 & Bakterien.apr

Section 2119									
	(163087)	163087	163097	163108	163119	163130	163141	163152	163163
Candidatus Carsonella ruddii strain BT chromosome...	(162623)	TTATATATATAAATTTTATAAATAAATAATTAACAACTTATTAAATTATA-ATGACAA-CTAAATAAATTT-AATAAA							
Candidatus Carsonella 135557 - 167442nt	(27067)	TTATATATATAAATTTTATAAATAAATAATTAACAACTTATTAAATTATA-ATGACAA-CTAAATAAATTT-AATAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(25361)	GGAGTCAA-----TTACATTACACA--TAAACGAACCTTATGGATTGTTTATGAGAACTTCACTCAATTGGAACTGT							
Section 2120									
	(163164)	163164	163174	163185	163196	163207	163218	163229	163240
Candidatus Carsonella ruddii strain BT chromosome...	(162697)	AATTATATAAATATAAATGAA-TCTATATCACCAATCAAAAAATATTTTTTTTATAAATTTGAATATTATTAGATAAATAT							
Candidatus Carsonella 135557 - 167442nt	(27141)	AATTATATAAATATAAATGAA-TCTATATCACCAATCAAAAAATATTTTTTTTATAAATTTGAATATTATTAGATAAATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(25431)	AACTTTGAAACAAGGTGAATCAAGGATGCTACTCCTTCAGATTTTTGTTTCGCGCTACTGCAACGATACCGATACAG							
Section 2121									
	(163241)	163241	163251	163262	163273	163284	163295	163306	163317
Candidatus Carsonella ruddii strain BT chromosome...	(162773)	CCTTTTCTCCAAAAAATTAATTTACTTCTTAGACCAATAACAAGGTTTTTTTATAAAAAAAGATTCAATAAAAACAAAA							
Candidatus Carsonella 135557 - 167442nt	(27217)	CCTTTTCTCCAAAAAATTAATTTACTTCTTAGACCAATAACAAGGTTTTTTTATAAAAAAAGATTCAATAAAAACAAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(25508)	CCTCACTCCCTTTCGGATTGGCTTA-TTGTGGCGTTGCACTTCTTGCCTGCTTTTTCAGAGCGCTTC-----CAAAA							
Section 2122									
	(163318)	163318	163328	163339	163350	163361	163372	163383	163394
Candidatus Carsonella ruddii strain BT chromosome...	(162850)	TTTATTAATCCAAACTAAAGATAAAATTTT-TTTTATTTAAAAAATTTTGTAAATATTATAGGAAATAAATTTTTTTTCC							
Candidatus Carsonella 135557 - 167442nt	(27294)	TTTATTAATCCAAACTAAAGATAAAATTTT-TTTTATTTAAAAAATTTTGTAAATATTATAGGAAATAAATTTTTTTTCC							
SARS-CoV-2 Reference Genome NC_045512.2	(25577)	TC-ATAACCCTCAAAGAGATGGCACTA-----GCACTCTCCAAGGTGTTCACTTTGTTTG							
Section 2123									
	(163395)	163395	163405	163416	163427	163438	163449	163460	163471
Candidatus Carsonella ruddii strain BT chromosome...	(162927)	AAATAACTAAAAATAATTTTATAAAAAAATAATTATTCATTTAATTTTATAAATTTTATTAAATTTATTTTTTTTAAA							
Candidatus Carsonella 135557 - 167442nt	(27371)	AAATAACTAAAAATAATTTTATAAAAAAATAATTATTCATTTAATTTTATAAATTTTATTAAATTTATTTTTTTTAAA							
SARS-CoV-2 Reference Genome NC_045512.2	(25636)	AACTTGC-----TGTGTGTTGTTTGTAAAGTTTACFACACCTTTTGCTCGTTGCTGCTGGCCTT--G-----AAG							
Section 2124									
	(163472)	163472	163482	163493	163504	163515	163526	163537	163548
Candidatus Carsonella ruddii strain BT chromosome...	(163004)	AATTTTATAAACAAATTTATTAAAGTTTTTAAAGATAAAATTACAATTTACACAATCTCCATAAAAAAATAAACATA							
Candidatus Carsonella 135557 - 167442nt	(27448)	AATTTTATAAACAAATTTATTAAAGTTTTTAAAGATAAAATTACAATTTACACAATCTCCATAAAAAAATAAACATA							
SARS-CoV-2 Reference Genome NC_045512.2	(25700)	CCCCTTTCTCTATCTTTAT-----GCTTTAGTCTACTTCTTGCAAGAGTATAAATTTGTA-AGAAATAAATGAGG							

		Section 1215						
	(163549)	163549	163559	163570	163581	163592	163603	163614 163625
Candidatus Carsonella ruddii strain BT chromosome...	(163081)	ATGTTTTTTTATTAAAAATTAAATAATTTATTTTAAATAAACCATTTGTGTAAAAATTAATTTTTTATTATTATTATATAA						
Candidatus Carsonella 135557 - 167442nt	(27525)	ATGTTTTTTTATTAAAAATTAAATAATTTATTTTAAATAAACCATTTGTGTAAAAATTAATTTTTTATTATTATTATATAA						
SARS-CoV-2 Reference Genome NC_045512.2	(25771)	CTTTGGCTTTGCTGGAA-----A-----TGCCGTTCCAAAAAACCCATT-----ACT-TTATGATGCCAACATTTTCTTT						
		Section 1216						
	(163626)	163626	163636	163647	163658	163669	163680	163691 163702
Candidatus Carsonella ruddii strain BT chromosome...	(163158)	TAAAGTAAAAAAATTATTTTACTTAGTATTTTATTTTCTAAAAATAAATTGTAAAAAGAATTGGTGAATTAAATTAT						
Candidatus Carsonella 135557 - 167442nt	(27602)	TAAAGTAAAAAAATTATTTTACTTAGTATTTTATTTTCTAAAAATAAATTGTAAAAAGAATTGGTGAATTAAATTAT						
SARS-CoV-2 Reference Genome NC_045512.2	(25835)	GCTGGCATACTAATTGT--TACG-ACATTGTATAC-CTTACAAATAG---TGTAAC-----TTCTTC AATTG-TCAT						
		Section 1217						
	(163703)	163703	163713	163724	163735	163746	163757	163768 163779
Candidatus Carsonella ruddii strain BT chromosome...	(163235)	TAATTTTTTTTATAATGTATACAAGTATTATTTTAAAAAACATAAACTTAAATATCTATTAAAAATGTTTATTCTCTT						
Candidatus Carsonella 135557 - 167442nt	(27679)	TAATTTTTTTTATAATGTATACAAGTATTATTTTAAAAAACATAAACTTAAATATCTATTAAAAATGTTTATTCTCTT						
SARS-CoV-2 Reference Genome NC_045512.2	(25899)	TACTTCAGGTG-ATGGCAC-ACAAGTCCATTTT-----CTGAACATGACTACCAAGATTGGTGGTTATAC						
		Section 1218						
	(163780)	163780	163790	163801	163812	163823	163834	163845 163856
Candidatus Carsonella ruddii strain BT chromosome...	(163312)	TTATTTTTTATAAATTT--ATTAAAAATATTTTTTTTATTAAGTTGAATAATATATTTTGTGTTTGTAAAAAACATT-T						
Candidatus Carsonella 135557 - 167442nt	(27756)	TTATTTTTTATAAATTT--ATTAAAAATATTTTTTTTATTAAGTTGAATAATATATTTTGTGTTTGTAAAAAACATT-T						
SARS-CoV-2 Reference Genome NC_045512.2	(25962)	TGAAAAATGGGAATCTGGAGTAAAAACGCTGTTGTTGTATTACACAGTTACTTCACCTTCAGACTATTACCAAGCTGTACT						
		Section 1219						
	(163857)	163857	163867	163878	163889	163900	163911	163922 163933
Candidatus Carsonella ruddii strain BT chromosome...	(163386)	C--CTTTATTTTATTAATAAAATTT-TATAAATCATTTTATTTTCTTGT-TATTATATAAATATTATTAACAAGAAT						
Candidatus Carsonella 135557 - 167442nt	(27830)	C--CTTTATTTTATTAATAAAATTT-TATAAATCATTTTATTTTCTTGT-TATTATATAAATATTATTAACAAGAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(26039)	CAACTCAATTGAGTACAGACCTGGTGTGTGAACATGTTACCTTCTTCATCTACAATAAAATGTTTGAT-----GAGC						
		Section 12130						
	(163934)	163934	163944	163955	163966	163977	163988	163999 164010
Candidatus Carsonella ruddii strain BT chromosome...	(163459)	CAGTTAAATAAATATTATAATTATATATTTTAAACAATATACA-TAAAAATTAAATCATTTTTTTATCAAAAAAACCC						
Candidatus Carsonella 135557 - 167442nt	(27903)	CAGTTAAATAAATATTATAATTATATATTTTAAACAATATACA-TAAAAATTAAATCATTTTTTTATCAAAAAAACCC						
SARS-CoV-2 Reference Genome NC_045512.2	(26111)	CTG--AAGAACATGTCCAATTAC-----ACAATCGACGGTTCATCCGGAAGTTGTTAATCCAGTAAATGGAACCA						

SARS-CoV-2 & Bakterien.apr

			Section 2131							
			164011	164021	164032	164043	164054	164065	164076	164087
Candidatus Carsonella ruddii strain BT chromosome...	(164011)	(163535)	ATTTT	TATAAT	TAAAAT	AGAAAG	CAACCA	AGCAT	CTAAT	ATTGCTGAATGGT
Candidatus Carsonella 135557 - 167442nt	(27979)		ATTTT	TATAAT	TAAAAT	AGAAAG	CAACCA	AGCAT	CTAAT	ATTGCTGAATGGT
SARS-CoV-2 Reference Genome NC_045512.2	(26179)		ATTTT	--ATG	ATGAA	CCGACG	ACGACTA	CTAGCG	TGCCTT	TGTAAGCA
			Section 2132							
			164088	164098	164109	164120	164131	164142	164153	164164
Candidatus Carsonella ruddii strain BT chromosome...	(164088)	(163612)	TTCAT	ATCTTT	TACATA	ATGAAT	CTAAAT	CATT	CCCTTT	TCTAGGAT
Candidatus Carsonella 135557 - 167442nt	(28056)		TTCAT	ATCTTT	TACATA	ATGAAT	CTAAAT	CATT	CCCTTT	TCTAGGAT
SARS-CoV-2 Reference Genome NC_045512.2	(26251)		T-CAT	TCGTTT	CGGAAG	AGACAGG	TACGTT	AAATAG	TTAAATAG	CGTACTT
			Section 2133							
			164165	164175	164186	164197	164208	164219	164230	164241
Candidatus Carsonella ruddii strain BT chromosome...	(164165)	(163689)	AAAAA	TAAACAT	TATAGA	ATATAA	ACGACT	CATAC	TTCCAC	CTGAATA
Candidatus Carsonella 135557 - 167442nt	(28133)		AAAAA	TAAACAT	TATAGA	ATATAA	ACGACT	CATAC	TTCCAC	CTGAATA
SARS-CoV-2 Reference Genome NC_045512.2	(26325)		GCTAG	TTACA	-----	CTAGC	CATC	CTTAC	TGCGCTTCG	ATTGTGTG
			Section 2134							
			164242	164252	164263	164274	164285	164296	164307	164318
Candidatus Carsonella ruddii strain BT chromosome...	(164242)	(163766)	AATTT	TAGCATT	TATGAG	CTATAA	TATAGA	ATTTT	ACAAAAC	CTAAAAAT
Candidatus Carsonella 135557 - 167442nt	(28210)		AATTT	TAGCATT	TATGAG	CTATAA	TATAGA	ATTTT	ACAAAAC	CTAAAAAT
SARS-CoV-2 Reference Genome NC_045512.2	(26387)		ACGTG	AGTC	TTGT-AA	-----	AA--CC	TTCTTT	-----	TTACGTT
			Section 2135							
			164319	164329	164340	164351	164362	164373	164384	164395
Candidatus Carsonella ruddii strain BT chromosome...	(164319)	(163843)	TTTAT	TTTTTA	AGAAAA	TTATT	TTTTAT	ACCAT	GTATAT	TAAAAGCT
Candidatus Carsonella 135557 - 167442nt	(28287)		TTTAT	TTTTTA	AGAAAA	TTATT	TTTTAT	ACCAT	GTATAT	TAAAAGCT
SARS-CoV-2 Reference Genome NC_045512.2	(26441)		ATTC	TTCTAG	AGTTCC	TGATCT	CTTGGT	CTAAACGA	ACTAAA	---TAT
			Section 2136							
			164396	164406	164417	164428	164439	164450	164461	164472
Candidatus Carsonella ruddii strain BT chromosome...	(164396)	(163916)	AAATA	AGAATG	AAAAAT	TCTAC	CTGTAA	TAAAAC	CTTAAT	TACTTCA
Candidatus Carsonella 135557 - 167442nt	(28360)		AAATA	AGAATG	AAAAAT	TCTAC	CTGTAA	TAAAAC	CTTAAT	TACTTCA
SARS-CoV-2 Reference Genome NC_045512.2	(26515)		TTT	TAGCC	ATG	GCAG	ATTCCA	AGG	GTAC	TATTACCG

SARS-CoV-2 & Bakterien.apr

		Section 2137							
		(164473)	164473	164483	164494	164505	164516	164527	164538 164549
Candidatus Carsonella ruddii strain BT chromosome...	(163993)		TTTATGTGGAGATAATCCAGTTGTTTCAACATCTAAAAAACATGCTTTTCATATATTTATTTTATATTAAATTT						
Candidatus Carsonella 135557 - 167442nt	(28437)		TTTATGTGGAGATAATCCAGTTGTTTCAACATCTAAAAAACATGCTTTTCATATATTTATTTTATATTAAATTT						
SARS-CoV-2 Reference Genome NC_045512.2	(26587)		-T-----AG-TAAT--AG--GTTTCCTATTCCTTACATGGATTGTCCTC-TACAATT-TGCCATATGCCAACAGG						
		Section 2138							
		(164550)	164550	164560	164571	164582	164593	164604	164615 164626
Candidatus Carsonella ruddii strain BT chromosome...	(164070)		AAAATATTTTTTTTAAAGATAAACAAATTTATATTTTATTTTACACAGGAAATTAACATTTCATTTATTTTTT						
Candidatus Carsonella 135557 - 167442nt	(28514)		AAAATATTTTTTTTAAAGATAAACAAATTTATATTTTATTTTACACAGGAAATTAACATTTCATTTATTTTTT						
SARS-CoV-2 Reference Genome NC_045512.2	(26649)		AATAGGTTTTTGTATATATTAAGTTAATTT-TCCCTGGCTGTTAT---GGCCAGTAACTTTAGC--TTGTTTTGT						
		Section 2139							
		(164627)	164627	164637	164648	164659	164670	164681	164692 164703
Candidatus Carsonella ruddii strain BT chromosome...	(164147)		TTTTATTAAAAAAATTTTTTTTAAAAAAATTTTATTATAAATTTAAAAATATAATTTAAATAATTTATTTAAAAAT						
Candidatus Carsonella 135557 - 167442nt	(28591)		TTTTATTAAAAAAATTTTTTTTAAAAAAATTTTATTATAAATTTAAAAATATAATTTAAATAATTTATTTAAAAAT						
SARS-CoV-2 Reference Genome NC_045512.2	(26720)		GCTT-----GCTGCTGTTTACAGAAATAAATTGGATCACCGGTGGAAATGCTATCGCAATGGCTTGTCTTG-TA						
		Section 2140							
		(164704)	164704	164714	164725	164736	164747	164758	164769 164780
Candidatus Carsonella ruddii strain BT chromosome...	(164224)		ATTTTATTATTTTATC-GATATTTTTTTATTATAAAAAAAATTTTTTTTATATTTTTTAAATAAAAATTCAAATATTT						
Candidatus Carsonella 135557 - 167442nt	(28668)		ATTTTATTATTTTATC-GATATTTTTTTATTATAAAAAAAATTTTTTTTATATTTTTTAAATAAAAATTCAAATATTT						
SARS-CoV-2 Reference Genome NC_045512.2	(26787)		GGCTTGATGTGGCTCAGTACATTCAATTGCTTCTTTTCAGACTGTTTGCGCGTACGCGTTCCATGTGGT-CA-----TT						
		Section 2141							
		(164781)	164781	164791	164802	164813	164824	164835	164846 164857
Candidatus Carsonella ruddii strain BT chromosome...	(164300)		TTTTATTTAAAAATTTTTTTTATTAAATATAAAACCTAAATAATAAATTTTATGTTTTTAAAAATGAAAAATATT						
Candidatus Carsonella 135557 - 167442nt	(28744)		TTTTATTTAAAAATTTTTTTTATTAAATATAAAACCTAAATAATAAATTTTATGTTTTTAAAAATGAAAAATATT						
SARS-CoV-2 Reference Genome NC_045512.2	(26858)		CAATCCAGAAACTACATTCTTCACGTCGCCA--CTCCATGGCAC-TATTCTGACCAGACCGCTTCTAGAAAGTGTG						
		Section 2142							
		(164858)	164858	164868	164879	164890	164901	164912	164923 164934
Candidatus Carsonella ruddii strain BT chromosome...	(164377)		TTTTTTTTTATAATAATTAAAAATATTCAAAAATATATTTTA-ATTCATAAAAAAATTTAAAAATTTCTTTTTTTACTT						
Candidatus Carsonella 135557 - 167442nt	(28821)		TTTTTTTTTATAATAATTAAAAATATTCAAAAATATATTTTA-ATTCATAAAAAAATTTAAAAATTTCTTTTTTTACTT						
SARS-CoV-2 Reference Genome NC_045512.2	(26932)		AACTCGTAAATCGGAGCTGTGATCCCTTCGTGGACATCTTCGTATTGCTGGACACCATCTAGGACG-----CTG						

SARS-CoV-2 & Bakterien.apr

										Section 2143
	(164935)	164935	164945	164956	164967	164978	164989	165000	165011	
Candidatus Carsonella ruddii strain BT chromosome...	(164453)	T T A A A T A A T T T A A T T T A T T T A A A A A A A C T A T T T T T T T T T T A T T T A A A C A A T T T T C A A T T T C T A A A A A A T T A T A A T T T								
Candidatus Carsonella 135557 - 167442nt	(28897)	T T A A A T A A T T T A A T T T A T T T A A A A A A A C T A T T T T T T T T T T A T T T A A A C A A T T T T C A A T T T C T A A A A A A T T A T A A T T T								
SARS-CoV-2 Reference Genome NC_045512.2	(26999)	T G A C A T C A A G G A C C T G C C T - A A A G A A A T C A C T G T T G C T A C A T C A C G A A C G C T T T C - - T T A - T T A C A A A T T G G G A G C T								
										Section 2144
	(165012)	165012	165022	165033	165044	165055	165066	165077	165088	
Candidatus Carsonella ruddii strain BT chromosome...	(164530)	T T A A T T A T A T T A T T T A A A T T T T T A A A T A A T T T A T C T T A A T A A A A A T A T T T T T - - A T T A A A A T T T A T T A T T T T A T T T								
Candidatus Carsonella 135557 - 167442nt	(28974)	T T A A T T A T A T T A T T T T A A A T T T T T A A A T A A T T T A T C T T A A T A A A A A T A T T T T T - - A T T A A A A T T T A T T A T T T T A T T T								
SARS-CoV-2 Reference Genome NC_045512.2	(27072)	T - - - - C G C A G C G T G T A G C A G G T G A C T C A G G T T T G C T G C A T A C A G T C G C T A C A G G A T T G G C A A C T A T A A A T T A A A C A								
										Section 2145
	(165089)	165089	165099	165110	165121	165132	165143	165154	165165	
Candidatus Carsonella ruddii strain BT chromosome...	(164605)	T T T G T T T T T A A A T T A G A A A A T A A A A A A T T A - T T T G T T T T T T A T A A A A A T T T A A A A A A A A A A T T A A T T T - - T T A A A T A								
Candidatus Carsonella 135557 - 167442nt	(29049)	T T T G T T T T T A A A T T A G A A A A T A A A A A A T T A - T T T G T T T T T T A T A A A A A T T T A A A A A A A A A A T T A A T T T - - T T A A A T A								
SARS-CoV-2 Reference Genome NC_045512.2	(27145)	C A G A C C A T T C C A G T A G C A G T G A C A A T A T T G C T T T G C T T G T A C A G T A A G T G A C A A C A G A T G T T T C A T C T C G T T G A C T T								
										Section 2146
	(165166)	165166	165176	165187	165198	165209	165220	165231	165242	
Candidatus Carsonella ruddii strain BT chromosome...	(164679)	T C T T T T T A A T A A A A A A A - A T T T T T T T T T T T A T A A T A A A A T T T A T A A A A T T T T T T T T T T T T A A T - A T T A A A A C T								
Candidatus Carsonella 135557 - 167442nt	(29123)	T C T T T T T A A T A A A A A A A - A T T T T T T T T T T T A T A A T A A A A T T T A T A A A A T T T T T T T T T T T T A A T - A T T A A A A C T								
SARS-CoV-2 Reference Genome NC_045512.2	(27222)	T C A G G T T A C T A T A G C A G A G A T A T T A C T A A T T A T T A T G A G G A C T T T T A A A G T T T C C A T T T G G A A T C T T G A T T A C A T C A								
										Section 2147
	(165243)	165243	165253	165264	165275	165286	165297	165308	165319	
Candidatus Carsonella ruddii strain BT chromosome...	(164754)	A A A C C A A T A T G G A G T A A A A T A T G A A A A A T A T T T T T T T T T T T A A T A A A T A C A A A A C C T A T T A A A T T T A T T T T T A T T T								
Candidatus Carsonella 135557 - 167442nt	(29198)	A A A C C A A T A T G G A G T A A A A T A T G A A A A A T A T T T T T T T T T T T A A T A A A T A C A A A A C C T A T T A A A T T T A T T T T T A T T T								
SARS-CoV-2 Reference Genome NC_045512.2	(27299)	T A A A C C T C A T A - A T T A A A A A T T A T A T C T A A G T C A C T A A C T G A G A A A T A A A T T T C - - T C A A T T A G A T G A A G A G C A A C C A								
										Section 2148
	(165320)	165320	165330	165341	165352	165363	165374	165385	165396	
Candidatus Carsonella ruddii strain BT chromosome...	(164831)	T A G A A T A A A A A C A A A C T T T A A T T T A A A T A A T G T T T T T T T T T A - - T A A A A A A T T T T T T T T G T G T A A T A T T T A T A A								
Candidatus Carsonella 135557 - 167442nt	(29275)	T A G A A T A A A A A C A A A C T T T A A T T T A A A T A A T G T T T T T T T T T A - - T A A A A A A T T T T T T T T G T G T A A T A T T T A T A A								
SARS-CoV-2 Reference Genome NC_045512.2	(27373)	A T G G A G A T T G A T T A A A C G A A C A T G A A A A T A T T C T T T T C T T G G C A C T G A T A A C A C T C G C T A C T T G T G A G C T T T A T C A								

SARS-CoV-2 & Bakterien.apr

			Section 2149							
	(165397)	165397	165407	165418	165429	165440	165451	165462	165473	
Candidatus Carsonella ruddii strain BT chromosome...	(164906)	AATTTTTTAAATTTTATTTTGAATAAATAATTTTAAATTTAAATTTGATTTAAAAAA								
Candidatus Carsonella 135557 - 167442nt	(29350)	AATTTTTTAAATTTTATTTTGAATAAATAATTTTAAATTTAAATTTGATTTAAAAAA								
SARS-CoV-2 Reference Genome NC_045512.2	(27450)	C-TACCAAGAGTGTGTAGAGGTACAAAGTACTTTTA--A-----AAGAACTT-TGCTCT--TCTGGAAAT								
			Section 2150							
	(165474)	165474	165484	165495	165506	165517	165528	165539	165550	
Candidatus Carsonella ruddii strain BT chromosome...	(164983)	ATAATTTCTTTTATTTTAAATTAATATAATAGTTTAAAAATATATATTTTTTTTAAAAAATTTT								
Candidatus Carsonella 135557 - 167442nt	(29427)	ATAATTTCTTTTATTTTAAATTAATATAATAGTTTAAAAATATATATTTTTTTTAAAAAATTTT								
SARS-CoV-2 Reference Genome NC_045512.2	(27512)	ACGAGGGCAAATTCACC---ATTTCAATCCTCTAGCTGATAACAATTTGCACCTGACTTGCCTTAGCACTCAATTTGCT								
			Section 2151							
	(165551)	165551	165561	165572	165583	165594	165605	165616	165627	
Candidatus Carsonella ruddii strain BT chromosome...	(165060)	TAAAAAAAAAATAAAAAAAAAAAAAATATCTTTTAAATTAATAAAAAAAAAATAAATTTTAAATTTT								
Candidatus Carsonella 135557 - 167442nt	(29504)	TAAAAAAAAAATAAAAAAAAAAAAAATATCTTTTAAATTAATAAAAAAAAAATAAATTTTAAATTTT								
SARS-CoV-2 Reference Genome NC_045512.2	(27586)	TTTGCTTGTCCT-TGACGGCGTAAAAACGTCCTAT--CAGTTACGTGCCAGATCAGTTTCACCTA-AACTGTTCAATCA								
			Section 2152							
	(165628)	165628	165638	165649	165660	165671	165682	165693	165704	
Candidatus Carsonella ruddii strain BT chromosome...	(165137)	AAAAATAATTATTAATAATATTTTGTAAATTTTGTGTGTTTAAATAATAACAAAAATTTCAAAAAA								
Candidatus Carsonella 135557 - 167442nt	(29581)	AAAAATAATTATTAATAATATTTTGTAAATTTTGTGTGTTTAAATAATAACAAAAATTTCAAAAAA								
SARS-CoV-2 Reference Genome NC_045512.2	(27659)	GACAAAGAGGAAGTTCAGAACTTTACTCTCCAAATTTTCTTATTGTTGCGGCATAATG-----TTT-----A-								
			Section 2153							
	(165705)	165705	165715	165726	165737	165748	165759	165770	165781	
Candidatus Carsonella ruddii strain BT chromosome...	(165214)	AATAAATATTTTGAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA								
Candidatus Carsonella 135557 - 167442nt	(29658)	AATAAATATTTTGAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA								
SARS-CoV-2 Reference Genome NC_045512.2	(27722)	--TAAACATTTGCTTTCACATCAAAAGAAAGACGAATGATTGAACTTTCAATAATTGACTTCTATTGTGCTTTT								
			Section 2154							
	(165782)	165782	165792	165803	165814	165825	165836	165847	165858	
Candidatus Carsonella ruddii strain BT chromosome...	(165289)	ATTTTAAATATGATTTTATTTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA								
Candidatus Carsonella 135557 - 167442nt	(29733)	ATTTTAAATATGATTTTATTTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA								
SARS-CoV-2 Reference Genome NC_045512.2	(27797)	AGCCTTCTGCTATTCCTTGTTTAAATATGCTTATTATCTTTGGTCTCACTGAACTGCAAGA-TCATAAATGA								

SARS-CoV-2 & Bakterien.apr

		Section 2155									
	(165859)	165859	165869	165880	165891	165902	165913	165924	165935		
Candidatus Carsonella ruddii strain BT chromosome...	(165364)	ATTTATTTTA--TTATTTAATAAAATATTTT	TATTTATCAAAACCATACCCAGCTAATTCATCCATTCTAATTTATT								
Candidatus Carsonella 135557 - 167442nt	(29808)	ATTTATTTTA--TTATTTAATAAAATATTTT	TATTTATCAAAACCATACCCAGCTAATTCATCCATTCTAATTTATT								
SARS-CoV-2 Reference Genome NC_045512.2	(27873)	ACTTGTCACGCGCTAACGAAATGAAATTTCTGTTTTCCTTAGGA-ATCATCACAACTGTAGC--TGC--ATTT	CAC								
		Section 2156									
	(165936)	165936	165946	165957	165968	165979	165990	166001	166012		
Candidatus Carsonella ruddii strain BT chromosome...	(165439)	TAATATATCTATTTCAAAGAATTATTGTAAA---AGGAAATTTAGTTTTCTAATTTTAAAAAAAACCTTTT	TTTT								
Candidatus Carsonella 135557 - 167442nt	(29883)	TAATATATCTATTTCAAAGAATTATTGTAAA---AGGAAATTTAGTTTTCTAATTTTAAAAAAAACCTTTT	TTTT								
SARS-CoV-2 Reference Genome NC_045512.2	(27945)	CAAGA-ATGTAGTTTACAGTCACTGATCAACCATATGTAGTTGATGACCCGTGTCCTATTCACTTCTATT									
		Section 2157									
	(166013)	166013	166023	166034	166045	166056	166067	166078	166089		
Candidatus Carsonella ruddii strain BT chromosome...	(165513)	TTAAAGATTTAGAAAAAAATTCAATAAAAAATTCATAAATTTTATTTT	TTATTTATTTATTTATATAAAATCTATTTGATAA								
Candidatus Carsonella 135557 - 167442nt	(29957)	TTAAAGATTTAGAAAAAAATTCAATAAAAAATTCATAAATTTTATTTT	TTATTTATTTATTTATATAAAATCTATTTGATAA								
SARS-CoV-2 Reference Genome NC_045512.2	(28021)	CTAAATGGTATATTAGAGTAGGAGCTAGAAAATCAGCACTTTTAATTGAATTGTGCGTGGATGAGGCTGGTTCTAA									
		Section 2158									
	(166090)	166090	166100	166111	166122	166133	166144	166155	166166		
Candidatus Carsonella ruddii strain BT chromosome...	(165590)	AAACAAGGTAAATGTGTTT-TATCG-TAATCATTTT-TATAAACTTTACCTATATTAAAAAATAATTATTAGTAAAATA									
Candidatus Carsonella 135557 - 167442nt	(30034)	AAACAAGGTAAATGTGTTT-TATCG-TAATCATTTT-TATAAACTTTACCTATATTAAAAAATAATTATTAGTAAAATA									
SARS-CoV-2 Reference Genome NC_045512.2	(28098)	TCACCCATTCAGTACATCGATATCGGTAATTAATACAGTTTCTCTGTTTACCTTT-TACAAATAATTGCCAGGAACCTA									
		Section 2159									
	(166167)	166167	166177	166188	166199	166210	166221	166232	166243		
Candidatus Carsonella ruddii strain BT chromosome...	(165664)	ATTTTAAATAATCTATTTTGAAAACAAGAGTATGAGTTCTTAAAAATTTTATTTTAAAT-ATAAACTACCTTTT									
Candidatus Carsonella 135557 - 167442nt	(30108)	ATTTTAAATAATCTATTTTGAAAACAAGAGTATGAGTTCTTAAAAATTTTATTTTAAAT-ATAAACTACCTTTT									
SARS-CoV-2 Reference Genome NC_045512.2	(28174)	AATTGGG--TAGTCT----TGTAAGT---GCGTGTTCGTTCTATGAAAGACTTTTTAGAGTATCATGACGTTCTGTGTT									
		Section 2160									
	(166244)	166244	166254	166265	166276	166287	166298	166309	166320		
Candidatus Carsonella ruddii strain BT chromosome...	(165740)	ATATCTTTTAAATAATTTAATAATTTAAAAAT-TATAATTATTAATTTTCAAACTCAGTAGTATTTAATT-GTATA									
Candidatus Carsonella 135557 - 167442nt	(30184)	ATATCTTTTAAATAATTTAATAATTTAAAAAT-TATAATTATTAATTTTCAAACTCAGTAGTATTTAATT-GTATA									
SARS-CoV-2 Reference Genome NC_045512.2	(28242)	GTTTAGAATTTCACTAACGAAACAACAAAAATGTCGTGATAATGGACCCCAAAATCAGCGAAATGCACCCCGCAT									

SARS-CoV-2 & Bakterien.apr

		Section 2161							
		(166321)	166321	166331	166342	166353	166364	166375	166386 166397
Candidatus Carsonella ruddii strain BT chromosome...	(165815)	AAATTATTTCTTAAAAAA-ATTTTCTTTAGAAATTTACTATAAAATTTGAATAAAAAATTATTTT---							
Candidatus Carsonella 135557 - 167442nt	(30259)	AAATTATTTCTTAAAAAA-ATTTTCTTTAGAAATTTACTATAAAATTTGAATAAAAAATTATTTT---							
SARS-CoV-2 Reference Genome NC_045512.2	(28319)	ACGTTTGGTGGACCTCAGATTCAACTGGCAGTAACAGAA---TGAGAGAACGCAGTGGGGCGCGATCAAAAACAACG							
		Section 2162							
		(166398)	166398	166408	166419	166430	166441	166452	166463 166474
Candidatus Carsonella ruddii strain BT chromosome...	(165887)	TTTTTTTTTTTATTAAAAAATAAAATTTTATTATTTTTGTGTTTCTATAAAGTTAAATTTTATTAATAAAAAATA							
Candidatus Carsonella 135557 - 167442nt	(30331)	TTTTTTTTTTTATTAAAAAATAAAATTTTATTATTTTTGTGTTTCTATAAAGTTAAATTTTATTAATAAAAAATA							
SARS-CoV-2 Reference Genome NC_045512.2	(28393)	TCGGCCCCAAGGTTTACCCATAATACTGCGCTTGGTTCAACCGCTCTC--A-CTCAAC-----ATGGCAAGGAA							
		Section 2163							
		(166475)	166475	166485	166496	166507	166518	166529	166540 166551
Candidatus Carsonella ruddii strain BT chromosome...	(165964)	ATTTTAAATTTATTATATTACAATAATTTTCTTTTAAATAAAAAATACTAATTTATTATAAGAAAAACCAAAATATA-							
Candidatus Carsonella 135557 - 167442nt	(30408)	ATTTTAAATTTATTATATTACAATAATTTTCTTTTAAATAAAAAATACTAATTTATTATAAGAAAAACCAAAATATA-							
SARS-CoV-2 Reference Genome NC_045512.2	(28460)	GACCCTAAATTTCCCTCGAGGACAAAGGCGTTCCAACTAAACACCAATAGCAGTCCAGATGACCAAAATGGCTACTACCG							
		Section 2164							
		(166552)	166552	166562	166573	166584	166595	166606	166617 166628
Candidatus Carsonella ruddii strain BT chromosome...	(166040)	---ATCTAAAAATAAAATTAATTATAATTATTTTCTTAAATGAAAAAAATCTTTTCTTTAATTTTCTTC--CTATAT							
Candidatus Carsonella 135557 - 167442nt	(30484)	---ATCTAAAAATAAAATTAATTATAATTATTTTCTTAAATGAAAAAAATCTTTTCTTTAATTTTCTTC--CTATAT							
SARS-CoV-2 Reference Genome NC_045512.2	(28537)	AAGAGCTACCAGACGAATTCTGGTGGTGCAGGTAA--AAATGAAAGATCTCAGTCCAAGATGGTATTTCTACTACCT							
		Section 2165							
		(166629)	166629	166639	166650	166661	166672	166683	166694 166705
Candidatus Carsonella ruddii strain BT chromosome...	(166112)	A--ATTTTACATAAAGATTTTATATAGTATTGTT-TAGATAATTTAAAAACAATTTTTTTTACCAAAAAATCCT							
Candidatus Carsonella 135557 - 167442nt	(30556)	A--ATTTTACATAAAGATTTTATATAGTATTGTT-TAGATAATTTAAAAACAATTTTTTTTACCAAAAAATCCT							
SARS-CoV-2 Reference Genome NC_045512.2	(28612)	AGGAACATGGGCAGAAAGCTGGACTTCCCTATGTTGCTAACAAAACACGGCATCATATGGGTTGCAACTGAGGGAGCCT							
		Section 2166							
		(166706)	166706	166716	166727	166738	166749	166760	166771 166782
Candidatus Carsonella ruddii strain BT chromosome...	(166186)	TTTGATATAATTTAAATATTTTTTCTTTTCTTAAATTTGTAATGATTTTACAGATCTTGTCATAATATTTTTTAATT							
Candidatus Carsonella 135557 - 167442nt	(30630)	TTTGATATAATTTAAATATTTTTTCTTTTCTTAAATTTGTAATGATTTTACAGATCTTGTCATAATATTTTTTAATT							
SARS-CoV-2 Reference Genome NC_045512.2	(28689)	T--GAATACACCAAAAG-----ATCACATTTGGCACCCAGCAATCCTGCTACAAATGCTGC---AATCGTGTACAACT							

SARS-CoV-2 & Bakterien.apr

		Section 2167							
		(166783)	166783	166793	166804	166815	166826	166837	166848 166859
Candidatus Carsonella ruddii strain BT chromosome...	(166263)	TTTTTAAACAATTGAT-TTATTTAAATAAATTTTGTG-ATAAATTAAAACTTTTTTTATTAGAAAGATTATTAATTAAT							
Candidatus Carsonella 135557 - 167442nt	(30707)	TTTTTAAACAATTGAT-TTATTTAAATAAATTTTGTG-ATAAATTAAAACTTTTTTTATTAGAAAGATTATTAATTAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(28756)	TCCATCAAGGAACAACAATTGCCAAGGAGGCTTCTACGAGAGGAGGAGGCGGCAGTCAAGCCCTCTCTCGTTCCCT							
		Section 2168							
		(166860)	166860	166870	166881	166892	166903	166914	166925 166936
Candidatus Carsonella ruddii strain BT chromosome...	(166338)	AA--ATGATGTTTATTGCTTTTAATAAATTTATTTTTTTTTTAATTATTATT-CTTTTTTTTATAGATTTTATACT							
Candidatus Carsonella 135557 - 167442nt	(30782)	AA--ATGATGTTTATTGCTTTTAATAAATTTATTTTTTTTTTAATTATTATT-CTTTTTTTTATAGATTTTATACT							
SARS-CoV-2 Reference Genome NC_045512.2	(28833)	CATCACGTACGCAACAGTTCAAGAAATTCACCTCCAGGCAGCAGTAGGGGAACTTCTCTTGCATAGATGGCTGGC							
		Section 2169							
		(166937)	166937	166947	166958	166969	166980	166991	167002 167013
Candidatus Carsonella ruddii strain BT chromosome...	(166412)	TTTTTTTTTTTATTTTCAATTTTAAATTTTGGGTATAAAAAATAGAAAAATATATATTTTCCTTCAAAATTCCTATATCAGAA							
Candidatus Carsonella 135557 - 167442nt	(30856)	TTTTTTTTTTTATTTTCAATTTTAAATTTTGGGTATAAAAAATAGAAAAATATATATTTTCCTTCAAAATTCCTATATCAGAA							
SARS-CoV-2 Reference Genome NC_045512.2	(28910)	AATGGCGGTGATGCTGCTCTTGTCTTGCCTGCTTGAAC-AGATTGAAACAGCTTGAGAGCAAAATGCTTGGTAAAG							
		Section 2170							
		(167014)	167014	167024	167035	167046	167057	167068	167079 167090
Candidatus Carsonella ruddii strain BT chromosome...	(166489)	AATTTAAATAAACTCCTTTAATATTATTTTGAAATTTTAAAAATTAA-CTCAACACCTTTTTCTTTAAAAA--TAAT							
Candidatus Carsonella 135557 - 167442nt	(30933)	AATTTAAATAAACTCCTTTAATATTATTTTGAAATTTTAAAAATTAA-CTCAACACCTTTTTCTTTAAAAA--TAAT							
SARS-CoV-2 Reference Genome NC_045512.2	(28986)	GCCAACAAACAAGGCAACCTGTCTACTAAAGAAATCTGCTGCTGAGGCTTCTAAGAAGCCCTCGGCAAAAACGTACT							
		Section 2171							
		(167091)	167091	167101	167112	167123	167134	167145	167156 167167
Candidatus Carsonella ruddii strain BT chromosome...	(166563)	TTCTCTTC--CTTTAAAAATTACACAACTTTTAAAGTATAACCTTCTAATAAAAAAAATTAGCTTTTAAATTTT							
Candidatus Carsonella 135557 - 167442nt	(31007)	TTCTCTTC--CTTTAAAAATTACACAACTTTTAAAGTATAACCTTCTAATAAAAAAAATTAGCTTTTAAATTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(29063)	GCCACTAAAGCATACAAATGTAACACAACTTTTCGGCAGACGTGGTCCAGAACAAACCCAAAGGAATTTTGGGGACC-							
		Section 2172							
		(167168)	167168	167178	167189	167200	167211	167222	167233 167244
Candidatus Carsonella ruddii strain BT chromosome...	(166638)	AATATCATAATCTCTTTTATGAATATTTAAACCAATT-----CTAATTTCTTTTAAATCTACCTACTTTGGATTTTTT							
Candidatus Carsonella 135557 - 167442nt	(31082)	AATATCATAATCTCTTTTATGAATATTTAAACCAATT-----CTAATTTCTTTTAAATCTACCTACTTTGGATTTTTT							
SARS-CoV-2 Reference Genome NC_045512.2	(29139)	AGGAAC-TAATCAGACAAGGAACCTGATTACAAACATTGGCCGCAATTTGCA--CAATTTGCCCCAGCGCTTCAGCG							

SARS-CoV-2 & Bakterien.apr

		Section 2173									
		(167245)	167245	167255	167266	167277	167288	167299	167310	167321	
Candidatus Carsonella ruddii strain BT chromosome...	(166710)	TTTTCACAATTTTCTTTTTTCTATTATTTTAAAAAATTAAAAAATAATTGATTTTTTTTTTTGTAAAAAAAATAAAAG									
Candidatus Carsonella 135557 - 167442nt	(31154)	TTTTCACAATTTTCTTTTTTCTATTATTTTAAAAAATTAAAAAATAATTGATTTTTTTTTTTGTAAAAAAAATAAAAG									
SARS-CoV-2 Reference Genome NC_045512.2	(29213)	TTCCTCGGAATGTC----GCGCATTTGGCAATGGAAGTCAACACCTTCGGGAACGTGGTTGACCTACACAGGTGCCATCA									
		Section 2174									
		(167322)	167322	167332	167343	167354	167365	167376	167387	167398	
Candidatus Carsonella ruddii strain BT chromosome...	(166787)	AATACTTTTCTAGTTTTTTTAAAAAATAAATAAAAAATTTATTTTAAATAAATTGTATAAAAAAGTTTTTATTAAAAATT									
Candidatus Carsonella 135557 - 167442nt	(31231)	AATACTTTTCTAGTTTTTTTAAAAAATAAATAAAAAATTTATTTTAAATAAATTGTATAAAAAAGTTTTTATTAAAAATT									
SARS-CoV-2 Reference Genome NC_045512.2	(29286)	AATTGGATGACAAAGATCCAAAATTTCAAAGATCAAGTCAATTTTGCTGAAATAAGCATAATTGACGCATTACAAAACATTTC									
		Section 2175									
		(167399)	167399	167409	167420	167431	167442	167453	167464	167475	
Candidatus Carsonella ruddii strain BT chromosome...	(166864)	ATATTAAATTTTATTAAAAATTAA--AAAAGAAATTTTTTTTATACATTTATTAAATTATTAAAAATCAGATTTTGAAAT									
Candidatus Carsonella 135557 - 167442nt	(31308)	ATATTAAATTTTATTAAAAATTAA--AAAAGAAATTTTTTTTATACATTTATTAAATTATTAAAAATCAGATTTTGAAAT									
SARS-CoV-2 Reference Genome NC_045512.2	(29363)	CCACCACAGAGCCAAAAAGGACAAAAGAAAGAGGCATGATGAA--ACTCAGCCCTTACCG--CAGAGACAGAA									
		Section 2176									
		(167476)	167476	167486	167497	167508	167519	167530	167541	167552	
Candidatus Carsonella ruddii strain BT chromosome...	(166939)	CTGTTTTCAATTTTATACCAATTTATATTTTCTAAAAAATGCTATAAATATTGATTTTTATTGTTTAAATAATCTAA									
Candidatus Carsonella 135557 - 167442nt	(31383)	CTGTTTTCAATTTTATACCAATTTATATTTTCTAAAAAATGCTATAAATATTGATTTTTATTGTTTAAATAATCTAA									
SARS-CoV-2 Reference Genome NC_045512.2	(29436)	AACAGCAAACCTGTGACTC----TTCTTCCGTCTGCAGATTGATGATG--ATTTCCTCCAAACCAATTGCACCAATCBA-									
		Section 2177									
		(167553)	167553	167563	167574	167585	167596	167607	167618	167629	
Candidatus Carsonella ruddii strain BT chromosome...	(167016)	ATAATAAGAAATGTTTATGTAAATCAATACATATCAAAGGAACACGTGTTAAACACCTAAGTCTATTGAGAATAATG									
Candidatus Carsonella 135557 - 167442nt	(31460)	ATAATAAGAAATGTTTATGTAAATCAATACATATCAAAGGAACACGTGTTAAACACCTAAGTCTATTGAGAATAATG									
SARS-CoV-2 Reference Genome NC_045512.2	(29505)	-TGAGCAG--TGCTGACTCAACTCAGGCCTAAACTCATGACAGACACACAAAGGAGATG-GGCTAT-----ATAAAC									
		Section 2178									
		(167630)	167630	167640	167651	167662	167673	167684	167695	167706	
Candidatus Carsonella ruddii strain BT chromosome...	(167093)	GATTATTATTTTCATAAGTTTTTATCATACATAATCTATTATTGTTATACACTAACCATCCCAACCATTAATAATTT									
Candidatus Carsonella 135557 - 167442nt	(31537)	GATTATTATTTTCATAAGTTTTTATCATACATAATCTATTATTGTTATACACTAACCATCCCAACCATTAATAATTT									
SARS-CoV-2 Reference Genome NC_045512.2	(29573)	GTTTTCGCTTTTC-----CGTTTACGATATATAGTCTACTCTTGTG---CAGAAATGAATTCTCGTAACCTACATAGCA									

SARS-CoV-2 & Bakterien.apr

[illegible]

SARS-CoV-2 & Bakterien.apr

		Section 2185						
	(168169)	168169	168179	168190	168201	168212	168223	168234 168245
Candidatus Carsonella ruddii strain BT chromosome...	(167627)	CATAATTTTTTAAC TATTTTTTTGTAAAATTTACAACATATAATAAAAGTATTATGATTTTTATTCTTTTAATCTTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2186						
	(168246)	168246	168256	168267	168278	168289	168300	168311 168322
Candidatus Carsonella ruddii strain BT chromosome...	(167704)	GATAAAACAAAAGATATATTTTTTAAAGAAATTATTTTAAATATTTCTTTTTTATATTTAATGTTATTATACTTTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2187						
	(168323)	168323	168333	168344	168355	168366	168377	168388 168399
Candidatus Carsonella ruddii strain BT chromosome...	(167781)	AATATAATTATTATAATTAAATAATATTAATAAAAAAGTTAATTTATTTCCAAATTTAATATACATTAAACATGTTG						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2188						
	(168400)	168400	168410	168421	168432	168443	168454	168465 168476
Candidatus Carsonella ruddii strain BT chromosome...	(167858)	AATAATAATAAAAAAATTATTAAATTTAATTGTTTTTTTAAAAAAAAGAAGCTTTTTTTTATAATAATTAAATTTA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2189						
	(168477)	168477	168487	168498	168509	168520	168531	168542 168553
Candidatus Carsonella ruddii strain BT chromosome...	(167935)	TTTATTTTAAATTTTTTTTTTAAATATGTAAAAATTTATTAAATATAAAAAATATTCCTAAATTATAAATTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2190						
	(168554)	168554	168564	168575	168586	168597	168608	168619 168630
Candidatus Carsonella ruddii strain BT chromosome...	(168012)	AAATGTTAGAAATTCATTTTTAATTATATTTATTATTATTTTTTTACTTAAATAAAAAATTTGATAATTTTTGCATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

			Section 2191						
	(168631)	168631	168641	168652	168663	168674	168685	168696	168707
Candidatus Carsonella ruddii strain BT chromosome...	(168089)	ATTTGTTTACCATTATTTTGTGTTATTTATTAATTTTATTTTCTTGTTATATCACCCACCATAACATTTATCTAAAC							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2192						
	(168708)	168708	168718	168729	168740	168751	168762	168773	168784
Candidatus Carsonella ruddii strain BT chromosome...	(168166)	ATTTTTTTTATAAGAAAATATTTTTTTTGAAAATATTATTTTTTTTATATAAAAAATTTATATTTATATTAATTA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2193						
	(168785)	168785	168795	168806	168817	168828	168839	168850	168861
Candidatus Carsonella ruddii strain BT chromosome...	(168243)	AATTATTTTTTAATATTATTTTTTATTTTTTGAAAAATAAATAACAATTATTTATTAAATCATTTTCTATAATAAAA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2194						
	(168862)	168862	168872	168883	168894	168905	168916	168927	168938
Candidatus Carsonella ruddii strain BT chromosome...	(168320)	TTAAATTCTTCTATTATTTTATCATTTATAGAACTTTAATAAAAAAAGTTCACTTTTTAAAAAATGATGAAATTT							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2195						
	(168939)	168939	168949	168960	168971	168982	168993	169004	169015
Candidatus Carsonella ruddii strain BT chromosome...	(168397)	AAATTCATAAAATAAAAAACCATTTATTTTTTTATTTAAAAATTAATAAATTTATATAAATTTA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2196						
	(169016)	169016	169026	169037	169048	169059	169070	169081	169092
Candidatus Carsonella ruddii strain BT chromosome...	(168474)	TATAAAAAATAATAATTAATAAATTATCATATTTTTTTATTTTTATTTTATAATAATTAAATTAATAATATATTGT							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 2197						
	(169093)	169093	169103	169114	169125	169136	169147	169158 169169
Candidatus Carsonella ruddii strain BT chromosome...	(168551)	ATTATTAAAAAAATTTTTTTTAAAACATATAAAATTAATAATTACAATTTGTTTCATATTCAAAAAATTTTTTC						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2198						
	(169170)	169170	169180	169191	169202	169213	169224	169235 169246
Candidatus Carsonella ruddii strain BT chromosome...	(168628)	ATTAAAAATATTTATTATCCAAATATTTTTTTTATTAAATAAAAAAATATTATTGGATTGTTATCCAAAATTTAG						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2199						
	(169247)	169247	169257	169268	169279	169290	169301	169312 169323
Candidatus Carsonella ruddii strain BT chromosome...	(168705)	ATAAAATTTTCAATTTTTTAAAAAAATTTCACTATGTAAATTTCTATAAAACCTAAAAAAAACAATTACCAAAC						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2200						
	(169324)	169324	169334	169345	169356	169367	169378	169389 169400
Candidatus Carsonella ruddii strain BT chromosome...	(168782)	AAAATAGAATTTTTTCTCTCAAAAAAATAGAGTAATCATTTGTTTATTAAATTTAAATAAAAAAAATTATCTTTTAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2201						
	(169401)	169401	169411	169422	169433	169444	169455	169466 169477
Candidatus Carsonella ruddii strain BT chromosome...	(168859)	ATAAATAGTAAATATATATTAACATTAAATTTATAAAAAAAAAAATATTTTTTTTATTATAAAAAAAAAATATTTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2202						
	(169478)	169478	169488	169499	169510	169521	169532	169543 169554
Candidatus Carsonella ruddii strain BT chromosome...	(168936)	TTTTATCATAATTATTATCAATAATAAAAAAATGAATACAATTAATAAAAGTTTTTTTAAAGAAAAAATTTTTTGGT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 2203						
	(169555)	169555	169565	169576	169587	169598	169609	169620 169631
Candidatus Carsonella ruddii strain BT chromosome...	(169013)	AAAAAAATACCTATTTTAATAATTTTAATAAAATTATTATTTTATTTTAAAAATATCTTTAATATTAATTATACC						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2204						
	(169632)	169632	169642	169653	169664	169675	169686	169697 169708
Candidatus Carsonella ruddii strain BT chromosome...	(169090)	AGATAAAATTTTAACTATAATTATGTTTCCATATTTTAAATTATTCAAATATTCTAAAAATAAAATAACTTTTCTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2205						
	(169709)	169709	169719	169730	169741	169752	169763	169774 169785
Candidatus Carsonella ruddii strain BT chromosome...	(169167)	TTTTAAAAATAATTTTTTTTTTTTTAAAAAAATAAATTAAATTAAACCAATACTATATTTAGAAGAAATAAAAAAATT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2206						
	(169786)	169786	169796	169807	169818	169829	169840	169851 169862
Candidatus Carsonella ruddii strain BT chromosome...	(169244)	TTTTGTTTTTTATTAAATAATGATAATTTATTTTAAATTTTTTAAAAATTAATATAAATATCTATTTTATTAAAAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2207						
	(169863)	169863	169873	169884	169895	169906	169917	169928 169939
Candidatus Carsonella ruddii strain BT chromosome...	(169321)	AATAATAATAATTTTGTTAAATTTTTTAGACAAATTATAACAAAATAAAGTTTGTGGTTCTATACCTTTTAACACAT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2208						
	(169940)	169940	169950	169961	169972	169983	169994	170005 170016
Candidatus Carsonella ruddii strain BT chromosome...	(169398)	CTATTAATATTAAACATATTTCACTACAAATTATAGATTTATATATTTTCATTAATAAAATCAAAATGACCAGGACAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 2209						
	(170017)	170017	170027	170038	170049	170060	170071	170082 170093
Candidatus Carsonella ruddii strain BT chromosome...	(169475)	TCAATAAAGTTTATTATTTTTTTATTTATTAAAAACAGATAAATATTTAATTTTATAGTATAAAAAATAATTATTTAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2210						
	(170094)	170094	170104	170115	170126	170137	170148	170159 170170
Candidatus Carsonella ruddii strain BT chromosome...	(169552)	AAAGTAAATTTTTTTTTATAATTTAAAAATTTTTTACAAAAATTAATTAAAGAATTTAATAAAGTTGTTTTACCAT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2211						
	(170171)	170171	170181	170192	170203	170214	170225	170236 170247
Candidatus Carsonella ruddii strain BT chromosome...	(169629)	GATCAACATGAGCAATAATTGAAACATTATTTGCTAAATTCATTATTAATTTTATCAATTATTATTTTAAATATATT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2212						
	(170248)	170248	170258	170269	170280	170291	170302	170313 170324
Candidatus Carsonella ruddii strain BT chromosome...	(169706)	TACATTAATACAAGAATCTGTAATAGAAATATTTTTATAATAATTTTAAATTGATTGATTTCATATTCTAAATAAG						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2213						
	(170325)	170325	170335	170346	170357	170368	170379	170390 170401
Candidatus Carsonella ruddii strain BT chromosome...	(169783)	ATTCAAACATTAAACCATTTATATAAGATTTTAAATATTTAAATTGATTAAATATATTTTCAAAAATATAAATTTGA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2214						
	(170402)	170402	170412	170423	170434	170445	170456	170467 170478
Candidatus Carsonella ruddii strain BT chromosome...	(169860)	TTAATTGCATGTTTCATTGAATTAGAAATGAGAACAATCAATTATTAATGAATTTTAAATATTTTTTACAGTATTATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

		Section 2215						
	(170479)	170479	170489	170500	170511	170522	170533	170544 170555
Candidatus Carsonella ruddii strain BT chromosome...	(169937)	ATTATAATTAGGAACAATTCCACCTCTTAAAACAAATTGACAATTTTATTTCCTTTTGAAAATAAAATTTTGTAT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2216						
	(170556)	170556	170566	170577	170588	170599	170610	170621 170632
Candidatus Carsonella ruddii strain BT chromosome...	(170014)	TTTCAAAAAATGATAAAAAACAATGTTTATTTATAATAGATTTTAAAGAATCATTTAAAAAATAATATTTCCAGAT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2217						
	(170633)	170633	170643	170654	170665	170676	170687	170698 170709
Candidatus Carsonella ruddii strain BT chromosome...	(170091)	GAATCGTTTTTTTATTCCAATTATATTATTTATATTAGAACAAAATTCTCTATGAATTTGAGAATTCATTGTTCTAGC						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2218						
	(170710)	170710	170720	170731	170742	170753	170764	170775 170786
Candidatus Carsonella ruddii strain BT chromosome...	(170168)	ACCTATACATACCCATATTATGCAATCTATAAAATAATTTAAAAAATAAAAAATTAAACATTCTGTAGCTATATTAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2219						
	(170787)	170787	170797	170808	170819	170830	170841	170852 170863
Candidatus Carsonella ruddii strain BT chromosome...	(170245)	TTTTTATATTAATTAAATCCAATAAAAAATCTTCTTATAATATAAATTCATCTAAAAATACAGAACTATTATTAATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2220						
	(170864)	170864	170874	170885	170896	170907	170918	170929 170940
Candidatus Carsonella ruddii strain BT chromosome...	(170322)	TAAGGATCATAAACATAACCTTTCCAACCTATATTTGTTCTTGTTTTTCATAATAAACTCTAATTAAAAATTTCAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

			Section 2221						
	(170941)	170941	170951	170962	170973	170984	170995	171006	171017
Candidatus Carsonella ruddii strain BT chromosome...	(170399)	ATTATAAAAAAATTTTTTTATTTTATTTATATATAAAAAATAATTCTTTTATGTTACTAAGTGAACATGGACCTATTA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2222						
	(171018)	171018	171028	171039	171050	171061	171072	171083	171094
Candidatus Carsonella ruddii strain BT chromosome...	(170476)	TTATTATTAATTTTTTAAATTTTTTTTTTATTATTTCTTTGTAAATTTTAATGTTTAAACATTTTTATTAAACAAA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2223						
	(171095)	171095	171105	171116	171127	171138	171149	171160	171171
Candidatus Carsonella ruddii strain BT chromosome...	(170553)	TCTTTTTTTAATCTTTTTAAATTTATTATTTTATACATATATTTTTTATATTTTTATTTAAAAAAAATCATTTTTTT							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2224						
	(171172)	171172	171182	171193	171204	171215	171226	171237	171248
Candidatus Carsonella ruddii strain BT chromosome...	(170630)	AAAAAAATTTTTTTTTTATTTATTTTTTTTTTACTCTTGATTTACTTTTAGATTTTTTAGTTTTTTGAACCGCCATGTT							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2225						
	(171249)	171249	171259	171270	171281	171292	171303	171314	171325
Candidatus Carsonella ruddii strain BT chromosome...	(170707)	TGATAAAATAAATATTTTTATAAAAAACATTAGGATGCAACATAAATAATTTGGAATCTGAAAATTTTTTAAATTTTT							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2226						
	(171326)	171326	171336	171347	171358	171369	171380	171391	171402
Candidatus Carsonella ruddii strain BT chromosome...	(170784)	TAAAGTATTTTAAATAAAATTAATAAAAAAATTTTTTTAATTCAAATATATTAATTATTAATAGTTGTATTATAAGA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 2227						
	(171403)	171403	171413	171424	171435	171446	171457	171468 171479
Candidatus Carsonella ruddii strain BT chromosome...	(170861)	AAAAATCCACAAATTAAATTTTAAAGAATTAAAAAATGGACTTTTTTAAAAAATATAAAAAAGTATAATTTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2228						
	(171480)	171480	171490	171501	171512	171523	171534	171545 171556
Candidatus Carsonella ruddii strain BT chromosome...	(170938)	TTTAACTGGTTGTTTATCTGAATTTGAAAATTTTAAAAAATTAATTAATAAAAAATAGATATTATTATTAATTCTA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2229						
	(171557)	171557	171567	171578	171589	171600	171611	171622 171633
Candidatus Carsonella ruddii strain BT chromosome...	(171015)	ATTGTTACTTTTATTTAAAAAATAATATTATTTTATATTAAAAATAAAAAAATTTATTTTATAAAAAAACAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2230						
	(171634)	171634	171644	171655	171666	171677	171688	171699 171710
Candidatus Carsonella ruddii strain BT chromosome...	(171092)	AAAAAATTTTTTTTAAAAAATAAAATTAATAATTACTTTTTTAATAATGAAAGGATGTAATCATAATTGCTCATATTG						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2231						
	(171711)	171711	171721	171732	171743	171754	171765	171776 171787
Candidatus Carsonella ruddii strain BT chromosome...	(171169)	TGTAATACCTCAAATAAAAGGAAAAGAAGATTTTTTCTTACAAAAAATATTTTTTAATATTTTGAATAATATAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2232						
	(171788)	171788	171798	171809	171820	171831	171842	171853 171864
Candidatus Carsonella ruddii strain BT chromosome...	(171246)	AAACATTTTTTTGTGAAATAACTTTATTAGGTCAAAATGTAAATCTTATTATTATAAAAAATATTGATTTTAATTCT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

Section 2233							
Candidatus Carsonella ruddii strain BT chromosome...	(171865)	171865	171875	171886	171897	171908	171919
Candidatus Carsonella 135557 - 167442nt	(171323)	TTAATATTTAATTTATCAAAAATTAAAAATATTAAAAAGAATAAATTTTTTATCTTCAAATATAAAAAGATTTTAATAA					
SARS-CoV-2 Reference Genome NC_045512.2	(31887)	-----					
	(29904)	-----					
Section 2234							
Candidatus Carsonella ruddii strain BT chromosome...	(171942)	171942	171952	171963	171974	171985	171996
Candidatus Carsonella 135557 - 167442nt	(171400)	AAATTTTTTTTTCTTATATAAAAAATATTAATAAAATTCATCACATATTCATTTACCAGTTCAATCTGGATCTAATA					
SARS-CoV-2 Reference Genome NC_045512.2	(31887)	-----					
	(29904)	-----					
Section 2235							
Candidatus Carsonella ruddii strain BT chromosome...	(172019)	172019	172029	172040	172051	172062	172073
Candidatus Carsonella 135557 - 167442nt	(171477)	AAATTTTAAAAAAAATGAATAGAAAATATACTATTAATGAGTATTTATATTTTATAAAAAAATAAAAAAATAAAA					
SARS-CoV-2 Reference Genome NC_045512.2	(31887)	-----					
	(29904)	-----					
Section 2236							
Candidatus Carsonella ruddii strain BT chromosome...	(172096)	172096	172106	172117	172128	172139	172150
Candidatus Carsonella 135557 - 167442nt	(171554)	AAAACATCTTTTTCAACTGATATTATTATATCTTTTCCTTATGAAAAATTAATAGATTTTGATTATCAATTAAAAAT					
SARS-CoV-2 Reference Genome NC_045512.2	(31887)	-----					
	(29904)	-----					
Section 2237							
Candidatus Carsonella ruddii strain BT chromosome...	(172173)	172173	172183	172194	172205	172216	172227
Candidatus Carsonella 135557 - 167442nt	(171631)	AATAAAAAAATTAAATTTACAGATATTTTTTTTTTTCTTATTCAAAAAAGAATAAACACAATTTCTTTTAATTTTA					
SARS-CoV-2 Reference Genome NC_045512.2	(31887)	-----					
	(29904)	-----					
Section 2238							
Candidatus Carsonella ruddii strain BT chromosome...	(172250)	172250	172260	172271	172282	172293	172304
Candidatus Carsonella 135557 - 167442nt	(171708)	AAAAAAAAGATTTATTAAAAAATTTAAATTGAAAAATTTTCAAAAAATATTAAAAATAATTTTTTTTTTAATAAA					
SARS-CoV-2 Reference Genome NC_045512.2	(31887)	-----					
	(29904)	-----					

SARS-CoV-2 & Bakterien.apr

		Section 2239						
	(172327)	172327	172337	172348	172359	172370	172381	172392 172403
Candidatus Carsonella ruddii strain BT chromosome...	(171785)	AACGAAAGAGTATTAGTTATTGGATATTTAAAAAAATATTTTATAGGAAAACTGATAGTTTAAAAATAGTTTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2240						
	(172404)	172404	172414	172425	172436	172447	172458	172469 172480
Candidatus Carsonella ruddii strain BT chromosome...	(171862)	TTTTGAATATTTTAATTATAATATTATAGGAAAAATTTTATTAATAAAAAATAATAAATATTAAAAAAATTTTTTTT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2241						
	(172481)	172481	172491	172502	172513	172524	172535	172546 172557
Candidatus Carsonella ruddii strain BT chromosome...	(171939)	TAGGAATATATGAAAGTATATATTCAAATATATAGTTTTTACAAATTAAATTTTAAATAAAATTTAAACAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2242						
	(172558)	172558	172568	172579	172590	172601	172612	172623 172634
Candidatus Carsonella ruddii strain BT chromosome...	(172016)	TATTTTAAAAATAATTATAATTATTAAAAAAACCTTTAATTATTTTAATCATAAAAAATATTATTTTGTAATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2243						
	(172635)	172635	172645	172656	172667	172678	172689	172700 172711
Candidatus Carsonella ruddii strain BT chromosome...	(172093)	ATTATTATAAAAAAAATTAATAATGATAATTCATTTTGTAAATTTATTTTTTTTAAATCACAGTATAAAACAT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2244						
	(172712)	172712	172722	172733	172744	172755	172766	172777 172788
Candidatus Carsonella ruddii strain BT chromosome...	(172170)	TTTTTAAAAATTAATCATAAATCAATTATAGAAAAATAAATTAATGATATATTTAAAAATCCATTATTTATTGAAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 2245						
	(172789)	172789	172799	172810	172821	172832	172843	172854 172865
Candidatus Carsonella ruddii strain BT chromosome...	(172247)	ATAAAAATAAATAAAAAATTTAAAAATTATAAAAAATTGTAAAAAATTTTTTTGTTTACCTATGTTTCCGTATCCTAGT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2246						
	(172866)	172866	172876	172887	172898	172909	172920	172931 172942
Candidatus Carsonella ruddii strain BT chromosome...	(172324)	GGAAAATTACATTTAGGACACGTTAGAAATTATATTTTAAACAGATATAATTTCTAAAAATTAAAAATTTAGAAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2247						
	(172943)	172943	172953	172964	172975	172986	172997	173008 173019
Candidatus Carsonella ruddii strain BT chromosome...	(172401)	AACAGTAATACACCCTATGGGATGGGATTTCATTTGGATTACCTGCAGAAAATGCTTCTAAAAAATTAAATTTAAATT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2248						
	(173020)	173020	173030	173041	173052	173063	173074	173085 173096
Candidatus Carsonella ruddii strain BT chromosome...	(172478)	CTTTAAAAATGGACATTATCAAATATAAAATTAATGAAAAACCAATTAATAATTTTACAAATTAATTACTCTAAAAAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2249						
	(173097)	173097	173107	173118	173129	173140	173151	173162 173173
Candidatus Carsonella ruddii strain BT chromosome...	(172555)	TTAGAGTTTTTAACTTGTGATGTTAATTTTATAAATGGGAATTTTGGATATTGTTATATTTTATAAAAAACAAATT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2250						
	(173174)	173174	173184	173195	173206	173217	173228	173239 173250
Candidatus Carsonella ruddii strain BT chromosome...	(172632)	ATTATTAAAACAATATGATGAAATATATTGGGATAAAATTCACAATGTATTTTATCTAATGAACAAATAAATGATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

		Section 2251						
	(173251)	173251	173261	173272	173283	173294	173305	173316 173327
Candidatus Carsonella ruddii strain BT chromosome...	(172709)	ATTTATGTTGGAGATCTAATTGTAAACCCATCAAAATTAAAAATTTTACTTGGTTTATAAATATTAAAAAATATACA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2252						
	(173328)	173328	173338	173349	173360	173371	173382	173393 173404
Candidatus Carsonella ruddii strain BT chromosome...	(172786)	AAAAAATTAATTTTAAATTTAAAAAATATTAATTGGTCTAAAAAAATAAAAATATACAAAAAAATGGATAAATAT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2253						
	(173405)	173405	173415	173426	173437	173448	173459	173470 173481
Candidatus Carsonella ruddii strain BT chromosome...	(172863)	AAAATTTTATTAAATTAGAAATATAAAATTTTATTCAATTTATAATTATTATTATATTAATATTAATAATATTTAAAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2254						
	(173482)	173482	173492	173503	173514	173525	173536	173547 173558
Candidatus Carsonella ruddii strain BT chromosome...	(172940)	AAATAATAAATTTAAAAATATTATATTTATTAATTAAAAAATAAATTTTATTTAAAAAATAATTTTATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2255						
	(173559)	173559	173569	173580	173591	173602	173613	173624 173635
Candidatus Carsonella ruddii strain BT chromosome...	(173017)	AATGATAATTTATTAAAAATTAATAAATAAATTTTACTAATTTTAAATTTAAATTTAAATAAATAATTTTAAAGA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2256						
	(173636)	173636	173646	173657	173668	173679	173690	173701 173712
Candidatus Carsonella ruddii strain BT chromosome...	(173094)	AGAAATTAATTTTAAATTTGTAAAAAATAATTTTATATAAAAAACAAATATTAATAATTGGGCTTTTATAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						

SARS-CoV-2 & Bakterien.apr

			Section 2257						
	(173713)	173713	173723	173734	173745	173756	173767	173778	173789
Candidatus Carsonella ruddii strain BT chromosome...	(173171)	GACAACGTTTATGGGGATCTCCTTTTTTTTATAAAAAAATTAAAAACAAAAATTTTAAATCAAAATTGACAATTGAT							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2258						
	(173790)	173790	173800	173811	173822	173833	173844	173855	173866
Candidatus Carsonella ruddii strain BT chromosome...	(173248)	ACTTTTTTTCAATCTTCTTGGTATTATATTTATTTTAAAAATCATTAAATTTAACAAATAAATTTAAAAATGATTG							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2259						
	(173867)	173867	173877	173888	173899	173910	173921	173932	173943
Candidatus Carsonella ruddii strain BT chromosome...	(173325)	GTTTCCAATAAATATTTATGTTGGAGGAATAGAACATGCAAATTTACATTTACTTTATTTAAGAATAATAAATTTTA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2260						
	(173944)	173944	173954	173965	173976	173987	173998	174009	174020
Candidatus Carsonella ruddii strain BT chromosome...	(173402)	TATTTTATGATTTAAATATTATTGATAAAAAAATGTTATTTTAAATTTAATTAATCAAGGTTTTATAAATAATGAA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2261						
	(174021)	174021	174031	174042	174053	174064	174075	174086	174097
Candidatus Carsonella ruddii strain BT chromosome...	(173479)	GTTTATTTTAAATTTAAATTTTAAAAAATTTTTTGCAAAAAAATAAAAAAGCATTTTATAGGTGGAATTGAAAA							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							
			Section 2262						
	(174098)	174098	174108	174119	174130	174141	174152	174163	174174
Candidatus Carsonella ruddii strain BT chromosome...	(173556)	AATGTCAAAATCAAAAAAATGGAATAAACCCAATATATTTAATAAATAAATTTGGATCAGATATATTAAATTTAT							
Candidatus Carsonella 135557 - 167442nt	(31887)	-----							
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----							

SARS-CoV-2 & Bakterien.apr

		Section 2263						
	(174175)	174175	174185	174196	174207	174218	174229	174240 174251
Candidatus Carsonella ruddii strain BT chromosome...	(173633)	CTATTATTACAAATAAACCAATAGACAAAAATATAAATTGGGGAAATATAAATTTTTTTTCAATTAAAAAATTTATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2264						
	(174252)	174252	174262	174273	174284	174295	174306	174317 174328
Candidatus Carsonella ruddii strain BT chromosome...	(173710)	TTAAAAATTAATAATTTAATAGAAATAAAAATAATTAATATTAAAGAAATAATTAATATTAAAGAAATAATTAATAT						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2265						
	(174329)	174329	174339	174350	174361	174372	174383	174394 174405
Candidatus Carsonella ruddii strain BT chromosome...	(173787)	TAAAAAATACATAATGTAATTTCTTATATTAATAAAATTTTAATTTATAATAATTCAATAAAACAAATAGAAAATA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						
		Section 2266						
	(174406)	174406	174416	174427	174446			
Candidatus Carsonella ruddii strain BT chromosome...	(173864)	TTATTTTTTTGGTTGTTTCCAATTATACCAAATATTTCTAAA						
Candidatus Carsonella 135557 - 167442nt	(31887)	-----						
SARS-CoV-2 Reference Genome NC_045512.2	(29904)	-----						