Supplementary Figure S9

A)

SGF	Time Hours							
Correlation	0	0.25	0.5	0.75	1	2	3	4
K1 vs. K3	0.9999	0.9999	0.4715	0.2571	0.0989	0.017	0.0239	0.0949
K1 vs. K6	0.8508	0.3669	0.4205	0.9999	0.9999	0.3578	0.2351	0.4045
K1 vs. K9	0.9025	0.894	0.9921	0.9999	0.8428	0.2071	0.1126	0.173
K1 vs. K11	0.0749	0.1839	0.6017	0.5737	0.5187	0.0686	0.0701	0.069
K1 vs. K14	0.9999	0.8146	0.6906	0.8406	0.4327	0.0908	0.4767	0.6855
K1 vs. K22	0.4888	0.5492	0.7738	0.9894	0.9969	0.78	0.6355	0.7014
K1 vs. K24	0.4106	0.2501	0.3102	0.667	0.5173	0.6466	0.6244	0.5347
K1 vs. K26	0.8984	0.7684	0.5023	0.2909	0.1639	0.1128	0.2841	0.3975
K1 vs. K47	0.2447	0.1088	0.1095	0.1874	0.1846	0.0859	0.0318	0.1074
K1 vs. Control (sal 568) with acid	0.5406	0.1635	0.1081	0.3656	0.2958	0.2443	0.3733	0.0928
K1 vs. Control 568	0.1202	0.0254	0.0476	0.0829	0.207	0.1516	0.262	0.258
K3 vs. K6	0.8636	0.318	0.1679	0.4026	0.3545	0.1742	0.1198	0.0978
K3 vs. K9	0.8924	0.8569	0.7519	0.8676	0.7009	0.3269	0.2296	0.1181
K3 vs. K11	0.048	0.1751	0.1709	0.9999	0.9999	0.2801	0.9999	0.4903
K3 vs. K14	0.9999	0.9736	0.9999	0.6753	0.399	0.022	0.2165	0.2002
K3 vs. K22	0.4711	0.4925	0.5107	0.4169	0.27	0.1357	0.0991	0.0185
K3 vs. K24	0.3666	0.303	0.7167	0.5112	0.0672	0.2086	0.2642	0.2463
K3 vs. K26	0.9146	0.8549	0.7836	0.5127	0.3859	0.7792	0.9786	0.8881
K3 vs. K47	0.2109	0.1372	0.1429	0.3514	0.359	0.237	0.6233	0.7784
K3 vs. Control (sal 568) with acid	0.5454	0.2111	0.2391	0.87	0.9991	0.4403	0.9378	0.9345
K3 vs. Control 568	0.134	0.0326	0.0531	0.1146	0.2476	0.2192	0.3968	0.3998
K6 vs. K9	0.839	0.9997	0.9968	0.9993	0.9025	0.4718	0.0033	0.4086
K6 vs. K11	0.0251	0.2499	0.9516	0.5587	0.5246	0.1963	0.0003	0.1249
K6 vs. K14	0.994	0.1168	0.2273	0.8412	0.6949	0.8743	0.9995	0.9995
K6 vs. K22	0.4034	0.9569	0.9999	0.9999	0.9999	0.6719	0.9304	0.6764
K6 vs. K24	0.5213	0.0362	0.1379	0.7334	0.9132	0.3513	0.4612	0.381
K6 vs. K26	0.9981	0.4391	0.3044	0.253	0.1163	0.0839	0.4521	0.6961
K6 vs. K47	0.2829	0.0236	0.1048	0.1525	0.118	0.042	0.0161	0.1088
K6 vs. Control (sal 568) with acid	0.7894	0.0553	0.0636	0.3423	0.2963	0.4943	0.5775	0.178
K6 vs. Control 568	0.1669	0.002	0.0336	0.06	0.1814	0.1452	0.2952	0.2964
K9 vs. K11	0.9999	0.9999	0.9999	0.9248	0.9362	0.5453	0.0097	0.2081
K9 vs. K14	0.8796	0.7858	0.7999	0.9999	0.9999	0.6332	0.6	0.5042
K9 vs. K22	0.9999	0.9999	0.9983	0.986	0.7909	0.203	0.3347	0.1261
K9 vs. K24	0.7606	0.5945	0.5351	0.9997	0.9938	0.2339	0.3551	0.3159
K9 vs. K26	0.8094	0.6911	0.5065	0.3932	0.2407	0.1965	0.8261	0.9862
K9 vs. K47	0.7026	0.5025	0.3351	0.2931	0.1968	0.0794	0.0683	0.1068
K9 vs. Control (sal 568) with acid	0.7668	0.5646	0.4127	0.6932	0.6977	0.9999	0.9645	0.3173
K9 vs. Control 568	0.3183	0.1967	0.0278	0.04	0.1845	0.1619	0.3359	0.3311
K11 vs. K14	0.1072	0.0621	0.3054	0.9012	0.8788	0.0565	0.2773	0.0985
K11 vs. K22	0.6985	0.9999	0.9895	0.4917	0.4532	0.1327	0.1762	0.1471
K11 vs. K24	0.0185	0.0229	0.1853	0.8888	0.6593	0.2256	0.2783	0.151
K11 vs. K26	0.1923	0.3309	0.3704	0.5733	0.463	0.4	0.9756	0.477
K11 vs. K47	0.0191	0.0195	0.0838	0.3676	0.3485	0.1241	0.211	0.6001
K11 vs. Control (sal 568) with acid	0.061	0.0396	0.0647	0.9844	0.9997	0.7323	0.9346	0.8586
K11 vs. Control 568	0.0914	0.0012	0.0488	0.056	0.199	0.2006	0.3987	0.4806
K14 vs. K22	0.4404	0.4222	0.533	0.7316	0.5021	0.3748	0.9602	0.9887
K14 vs. K24	0.6305	0.2439	0.7277	0.9999	0.7917	0.3372	0.4166	0.3918
K14 vs. K26	0.9791	0.9566	0.7711	0.357	0.1853	0.1574	0.4913	0.637
K14 vs. K47	0.3907	0.0929	0.2128	0.2197	0.2023	0.0729	0.2183	0.1971
K14 vs. Control (sal 568) with acid	0.744	0.207	0.298	0.5675	0.5377	0.6618	0.6604	0.1504
K14 vs. Control 568	0.1099	0.0072	0.0321	0.0759	0.216	0.1734	0.2816	0.279
K22 vs. K24	0.3106	0.2975	0.3517	0.6557	0.7282	0.5091	0.4929	0.4492
K22 vs. K26	0.3501	0.3516	0.3334	0.2206	0.0991	0.055	0.3528	0.5387
K22 vs. K47	0.2549	0.2203	0.2607	0.1364	0.1156	0.0315	0.1326	0.0154
K22 vs. Control (sal 568) with acid	0.2869	0.2467	0.2892	0.3095	0.2313	0.2347	0.4888	0.1845
K22 vs. Control 568	0.0535	0.0901	0.0196	0.0473	0.187	0.1325	0.2728	0.2856
K24 vs. K26	0.9996	0.9892	0.9998	0.3806	0.2065	0.1386	0.2352	0.2218
K24 vs. K47	0.7972	0.3599	0.3731	0.2509	0.2199	0.1239	0.2559	0.2399
K24 vs. Control (sal 568) with acid	0.9999	0.9696	0.8511	0.5649	0.3943	0.2105	0.2471	0.1792
K24 vs. Control 568	0.1743	0.0001	0.0283	0.095	0.2165	0.062	0.1371	0.1404
K26 vs. K47	0.8914	0.7363	0.7364	0.9996	0.9854	0.4444	0.7776	0.781
K26 vs. Control (sal 568) with acid	0.9999	0.9537	0.9999	0.8165	0.4658	0.2768	0.9999	0.7638
K26 vs. Control 568	0.1041	0.1232	0.0297	0.0671	0.2728	0.2081	0.3436	0.3171
K47 vs. Control (sal 568) with acid	0.899	0.7096	0.4458	0.5532	0.3602	0.1292	0.7525	0.9993
K47 vs. Control 568	0.1838	0.0113	0.0972	0.0791	0.2858	0.2531	0.4272	0.4162
Control (sal 568) with acid vs. Control 568	0.1407	0.0225	0.0474	0.063	0.2269	0.1525	0.3226	0.416

B)

SIF	Time Hours					
Correlation	0	0.5	1	2	3	4
K1 vs. K3	0.9999	0.2348	0.1259	0.2978	0.8691	0.0819
K1 vs. K6	0.6328	0.907	0.5263	0.1543	0.9997	0.0399
K1 vs. K9	0.9409	0.285	0.0647	0.2797	0.9973	0.1054
K1 vs. K11	0.5624	0.0303	0.004	0.0841	0.0809	0.0942
K1 vs. K14	0.9999	0.2145	0.3073	0.6631	0.7937	0.8498
K1 vs. K22	0.7455	0.7647	0.9735	0.8699	0.6198	0.9847
K1 vs. K24	0.9999	0.8606	0.7347	0.9999	0.9968	0.9565
K1 vs. K26	0.9975	0.3321	0.207	0.7646	0.4515	0.3933
K1 vs. K47	0.4534	0.071	0.2893	0.4814	0.3937	0.1436
K1 vs. Control (sal 568) with acid	0.6509	0.1041	0.0139	0.0207	0.0095	0.017
K1 vs. Control 568	0.0852	0.0054	0.0367	0.021	0.0905	0.0971
K3 vs. K6	0.6917	0.3232	0.2113	0.9522	0.9822	0.1532
K3 vs. K9	0.9986	0.9999	0.9999	0.9999	0.9999	0.7363
K3 vs. K11	0.6375	0.0239	0.0122	0.049	0.0793	0.095
K3 vs. K14	0.9999	0.9999	0.9999	0.9999	0.9168	0.9999
K3 vs. K22	0.7817	0.2277	0.163	0.3543	0.9919	0.0727
K3 vs. K24	0.9999	0.9999	0.9999	0.9999	0.9992	0.9999
K3 vs. K26	0.9999	0.865	0.5436	0.4538	0.4783	0.519
K3 vs. K47	0.5401	0.0379	0.066	0.273	0.4128	0.1866
K3 vs. Control (sal 568) with acid	0.8848	0.0439	0.0194	0.0005	0.0074	0.0029
K3 vs. Control 568	0.1445	0.0035	0.0179	0.0052	0.0903	0.0994
K6 vs. K9	0.2245	0.2232	0.1063	0.8656	0.9999	0.2495
K6 vs. K11	0.9999	0.0137	0.002	0.0722	0.0811	0.0971
K6 vs. K14	0.7759	0.3038	0.4393	0.9999	0.8373	0.9787
K6 vs. K22	0.9709	0.3039	0.2718	0.4409	0.7712	0.2763
K6 vs. K24	0.9998	0.9472	0.8745	0.9999	0.9979	0.9967
K6 vs. K26	0.2619	0.3874	0.2884	0.5083	0.4608	0.4427
K6 vs. K47	0.783	0.0294	0.1219	0.3276	0.4005	0.1646
K6 vs. Control (sal 568) with acid	0.1203	0.1015	0.0117	0.0096	0.0095	0.0143
K6 vs. Control 568	0.024	0.0003	0.0364	0.0163	0.0906	0.0987
K9 vs. K11	0.1963	0.0367	0.0039	0.0487	0.0583	0.0921
K9 vs. K14	0.9997	0.9676	0.9999	0.9993	0.9124	0.9999
K9 vs. K22	0.3012	0.0001	0.0784	0.3351	0.9895	0.0976
K9 vs. K24	0.9999	0.9999	0.9999	0.9998	0.9989	0.9999
K9 vs. K26	0.9305	0.6858	0.4136	0.4397	0.4638	0.4923
K9 vs. K47	0.1899	0.0822	0.0344	0.2649	0.3988	0.1729
K9 vs. Control (sal 568) with acid	0.9026	0.1186	0.0139	0.0005	0.0007	0.0029
K9 vs. Control 568	0.0249	0.0207	0.026	0.0052	0.0841	0.0985
K11 vs. K14	0.7274	0.0293	0.062	0.0169	0.0231	0.1838
K11 vs. K22	0.833	0.0822	0.0001	0.0207	0.0771	0.0711
K11 vs. K24	0.9992	0.2484	0.1495	0.1673	0.2459	0.3689
K11 vs. K26	0.2232	0.0121	0.017	0.0293	0.0757	0.4933
K11 vs. K47	0.9227	0.099	0.0062	0.0232	0.0988	0.1049
K11 vs. Control (sal 568) with acid	0.1007	0.1715	0.975	0.5362	0.1558	0.081
K11 vs. Control 568	0.0237	0.0116	0.1076	0.0197	0.1149	0.1185
K14 vs. K22	0.8531	0.228	0.31	0.5105	0.9757	0.8256
K14 vs. K24	0.9999	0.9997	0.9999	0.9999	0.9999	0.9999
K14 vs. K26	0.9999	0.7161	0.8054	0.4988	0.5699	0.5989
K14 vs. K47	0.6287	0.0454	0.1909	0.2718	0.4563	0.5153
K14 vs. Control (sal 568) with acid	0.9454	0.0436	0.0685	0.0112	0.0079	0.1161
K14 vs. Control 568	0.1927	0.0061	0.0106	0.001	0.061	0.0332
K22 vs. K24	0.9999	0.7215	0.692	0.9963	0.9998	0.945
K22 vs. K26	0.1214	0.2002	0.0834	0.9881	0.4971	0.3825
K22 vs. K47	0.2573	0.1308	0.3599	0.7155	0.4258	0.1072
K22 vs. Control (sal 568) with acid	0.0449	0.2284	0.0029	0.0117	0.0056	0.0004
K22 vs. Control 568	0.0236	0.0207	0.0475	0.0014	0.0898	0.092
K24 vs. K26	0.9999	0.9999	0.9987	0.9657	0.9706	0.7943
K24 vs. K47	0.9948	0.3519	0.5469	0.8734	0.8978	0.776
K24 vs. Control (sal 568) with acid	0.9972	0.359	0.1523	0.1739	0.1917	0.2044
K24 vs. Control 568	0.5871	0.1181	0.033	0.0837	0.0614	0.078
K26 vs. K47	0.0465	0.02	0.133	0.9963	0.9994	0.9999
K26 vs. Control (sal 568) with acid	0.2151	0.0609	0.0087	0.0517	0.073	0.1891
K26 vs. Control 568	0.0377	0.0003	0.0402	0.0114	0.0318	0.0578
K47 vs. Control (sal 568) with acid	0.0217	0.997	0.0157	0.0354	0.0876	0.032
K47 vs. Control 568	0.0305	0.0067	0.0403	0.0054	0.0326	0.0879
Control (sal 568) with acid vs. Control 568	0.0147	0.021	0.1112	0.0304	0.2549	0.3914

Supplementary Figure S9. P-values of phage control of bacterial growth in SGF and SIF. A) P-values of phage titres between phages at a given time-point in SGF. **B)** P-values of phage titres between phages at a given time-point in SIF. The colour intensity correlates with the P value; deep red represents a high P-value, while white represents a low P-value. Highlighted cells with a black border indicates significant P-values.