

Table S2. cgSNP distance matrix among the isolates.

	CHURS 943	CHURS 966	CHURS 170942	CHURS 171513	CHURS 175691	CHURS 175871	CHURS 180130	CHURS 180510	CHURS 182834	CHURS 183111	CHURS 183358	CHURS 183483	CHURS 183860	CHURS 196071	CHURS 196228	CHURS 196061	CHURS 196226	CHURS 201901	CHURS 202826	CHURS 231184	CHURS 231595	CHURS 231596
CHURS 943	0	25	40	42	24	26	27	23	28	49	73	31	123	28	35	46	49	49	49	33	37	38
CHURS 966	25	0	37	39	25	25	14	8	15	36	60	16	110	15	22	43	44	46	46	20	24	25
CHURS 170942	40	37	0	2	40	42	39	35	40	61	85	43	135	40	47	52	55	55	55	45	49	50
CHURS 171513	42	39	2	0	42	42	41	37	42	63	87	45	137	42	49	54	57	57	57	47	51	52
CHURS 175691	24	25	40	42	0	2	27	23	28	49	73	31	123	28	35	46	49	49	49	33	37	38
CHURS 175871	26	25	42	42	2	0	29	23	30	51	75	31	125	30	37	48	49	51	51	35	39	40
CHURS 180130	27	14	39	41	27	29	0	8	17	38	62	20	112	17	24	45	48	48	48	22	26	27
CHURS 180510	23	8	35	37	23	23	8	0	11	32	56	12	106	11	18	41	42	44	44	16	20	21
CHURS 182834	28	15	40	42	28	30	17	11	0	21	45	3	95	8	15	46	49	49	49	13	17	18
CHURS 183111	49	36	61	63	49	51	38	32	21	0	36	24	86	29	36	67	70	70	70	34	38	39
CHURS 183358	73	60	85	87	73	75	62	56	45	36	0	48	104	53	60	91	94	94	94	58	62	63
CHURS 183483	31	16	43	45	31	31	20	12	3	24	48	0	98	11	18	49	50	52	52	16	20	21
CHURS 183860	123	110	135	137	123	125	112	106	95	86	104	98	0	103	110	141	144	144	144	108	112	113
CHURS 196071	28	15	40	42	28	30	17	11	8	29	53	11	103	0	7	46	49	49	49	13	17	18
CHURS 196228	35	22	47	49	35	37	24	18	15	36	60	18	110	7	0	53	56	56	56	20	24	25
CHURS 196061	46	43	52	54	46	48	45	41	46	67	91	49	141	46	53	0	3	11	11	51	55	56
CHURS 196226	49	44	55	57	49	49	48	42	49	70	94	50	144	49	56	3	0	14	14	54	58	59
CHURS 201901	49	46	55	57	49	51	48	44	49	70	94	52	144	49	56	11	14	0	0	54	58	59
CHURS 202826	49	46	55	57	49	51	48	44	49	70	94	52	144	49	56	11	14	0	0	54	58	59
CHURS 231184	33	20	45	47	33	35	22	16	13	34	58	16	108	13	20	51	54	54	54	0	4	5
CHURS 231595	37	24	49	51	37	39	26	20	17	38	62	20	112	17	24	55	58	58	58	4	0	9
CHURS 231596	38	25	50	52	38	40	27	21	18	39	63	21	113	18	25	56	59	59	59	5	9	0

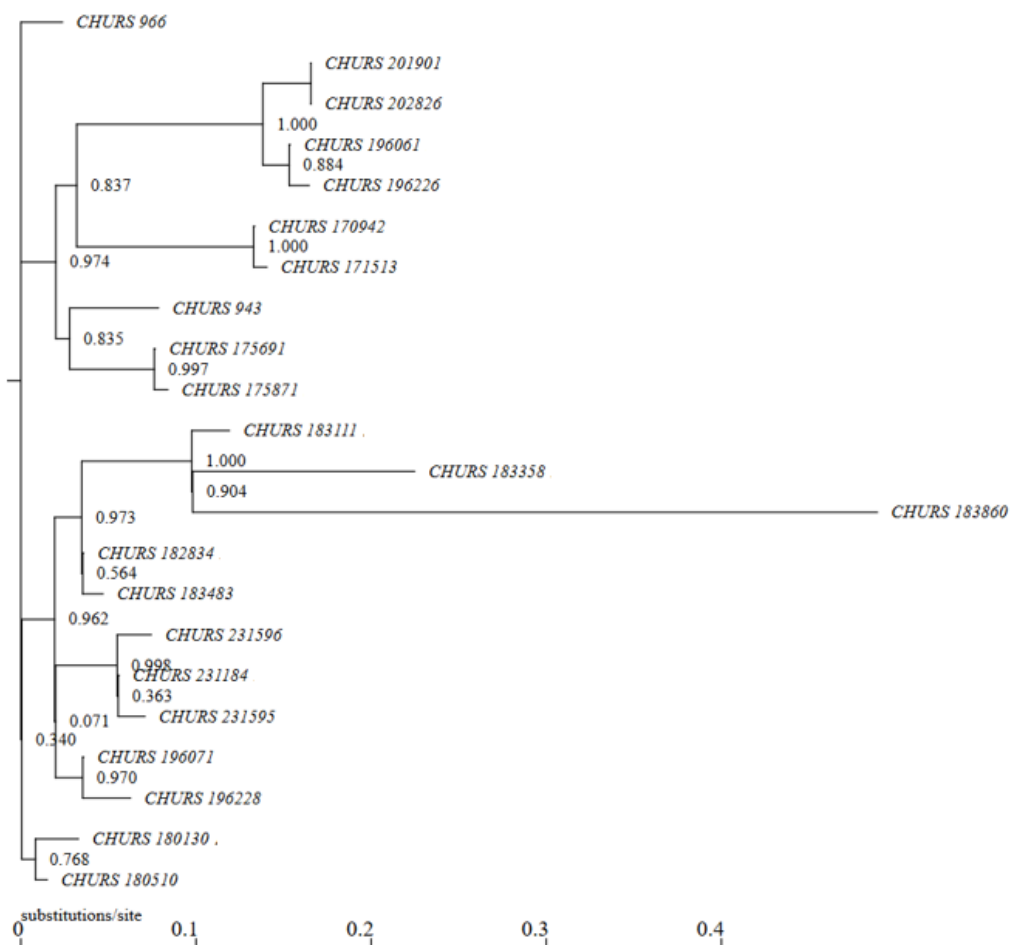


Figure S1. Phylogenetic tree obtained using CSIPhylogeny comprising all the 22 genomes from this study. The tree was generated with the distance method algorithm. Branch lengths are proportional to the number of evolutionary events.