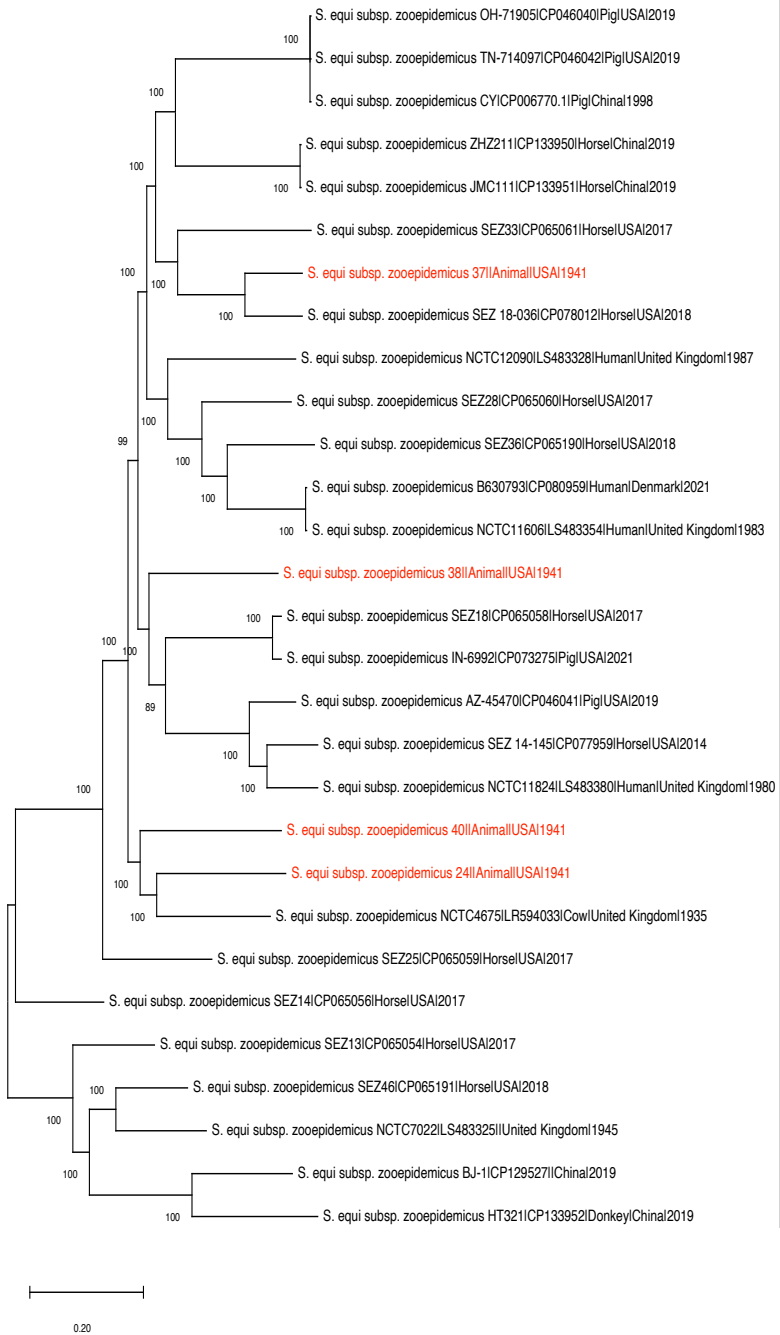

	CP046040	CP046042	CP006770	CP133950	CP133951	CP065061	37	CP078012	LS483328	CP065060	CP065190	CP080959	LS483354	38	CP065058	CP073275	CP046041	CP077959	LS483380	40	24	LR594033	CP065059	CP065056	CP065054	CP065191	LS483325	CP129527	CP133952
CP046040		100	98.95	45.39	45.39	44.21	43.84	45.37	44.77	44.12	43.85	45.02	45.13	45.3	45.6	45.75	45.12	43.75	44.18	44.12	44.78	45.87	45.29	41.46	36.48	35.32	36.52	32.54	32.33
CP046042	100		98.95	45.4	45.39	44.21	43.83	45.37	44.76	44.12	43.85	45.02	45.13	45.3	45.6	45.75	45.12	43.75	44.18	44.12	44.78	45.86	45.29	41.46	36.48	35.32	36.53	32.54	32.33
CP006770	98.95	98.95		45.64	45.64	44.46	44.06	45.62	44.93	44.35	44.07	45.27	45.38	45.53	45.83	45.99	45.31	43.98	44.39	44.31	44.73	46.06	45.53	41.66	36.67	35.5	36.66	32.72	32.45
CP133950	45.39	45.4	45.64		99.99	44.7	45.7	46.74	44.31	45.21	46.72	45.79	45.92	46.88	45.89	45.98	46.22	45.5	46.17	44.31	44.56	45.88	46.42	42.08	37.23	36.13	37.06	32.75	32.94
CP133951	45.39	45.39	45.64	99.99		44.69	45.7	46.73	44.31	45.21	46.71	45.79	45.91	46.88	45.89	45.98	46.21	45.5	46.17	44.3	44.56	45.88	46.42	42.08	37.23	36.13	37.06	32.75	32.94
CP065061	44.21	44.21	44.46	44.7	44.69		47.84	44.46	44.66	46.34	44.62	44.72	44.85	43.69	44.98	45.22	45.57	46.21	46.19	44.14	44.79	45.45	45.87	40.91	37.82	36.55	37.78	33.95	33.08
37	43.84	43.83	44.06	45.7	45.7	47.84		63.89	45.38	45.25	43.63	43.57	43.65	47.58	44.6	44.5	44.45	43.9	44.15	43.63	45.08	45.33	44.73	40.86	37.02	36.65	37.14	33.21	32.15
CP078012	45.37	45.37	45.62	46.74	46.73	44.46	63.89		44.91	45.33	46.36	45.53	45.61	47.71	46.78	46.69	45.19	45.28	45.1	45.4	46.2	46.56	48.32	43.71	36.67	36.31	37.3	32.37	31.99
LS483328	44.77	44.76	44.93	44.31	44.31	44.66	45.38	44.91		48.83	46.23	47.42	47.53	46.99	46.1	46.19	45.04	45.9	44.91	44.57	45.23	45.97	45.13	41.39	38.85	36.64	37.15	33.8	31.87
CP065060	44.12	44.12	44.35	45.21	45.21	46.34	45.25	45.33	48.83		52.55	55.1	55.17	46.72	47.28	46.81	46.21	45.97	45.74	45.56	45.18	46.41	46	41.17	38.99	36.81	37.58	33.88	32.55
CP065190	43.85	43.85	44.07	46.72	46.71	44.62	43.63	46.36	46.23	52.55		57.15	57.34	45.07	45.98	46.36	46.17	45.77	45.16	45.55	45.04	46.47	46.18	41.68	37.29	35.7	37.47	33.35	32.65
CP080959	45.02	45.02	45.27	45.79	45.79	44.72	43.57	45.53	47.42	55.1	57.15		98.04	45.01	46.44	46.42	46.55	46.24	44.96	44.78	45.2	46.21	45.08	41.48	37.49	36.56	36.8	34.1	33.38
LS483354	45.13	45.13	45.38	45.92	45.91	44.85	43.65	45.61	47.53	55.17	57.34	98.04		45.11	46.48	46.47	46.7	46.22	45.1	44.97	45.27	46.39	45.16	41.75	37.96	36.76	36.93	34.22	33.49
38	45.3	45.3	45.53	46.88	46.88	43.69	47.58	47.71	46.99	46.72	45.07	45.01	45.11		47.87	47.4	45.64	45.48	45.66	44.53	45.38	45.69	45.89	42.6	38.02	35.29	37.66	32.76	31.91
CP065058	45.6	45.6	45.83	45.89	45.89	44.98	44.6	46.78	46.1	47.28	45.98	46.44	46.48	47.87		90.84	47.09	47.14	47.3	45.88	46.57	46.08	48.56	41.99	38.1	36.14	38.24	32.24	32.21
CP073275	45.75	45.75	45.99	45.98	45.98	45.22	44.5	46.69	46.19	46.81	46.36	46.42	46.47	47.4	90.84		47.36	47.25	47.07	46.01	46.29	45.9	48.33	41.82	37.77	35.99	37.98	32.51	32.38
CP046041	45.12	45.12	45.31	46.22	46.21	45.57	44.45	45.19	45.04	46.21	46.17	46.55	46.7	45.64	47.09	47.36		67.19	68.27	44.66	45.64	48.85	46.46	41.7	38.46	36.37	37.07	34.32	33.81
CP077959	43.75	43.75	43.98	45.5	45.5	46.21	43.9	45.28	45.9	45.97	45.77	46.24	46.22	45.48	47.14	47.25	67.19		68.6	44.99	44.43	46.07	46.69	41.57	38.32	35.92	37.81	33.91	32.91
LS483380	44.18	44.18	44.39	46.17	46.17	46.19	44.15	45.1	44.91	45.74	45.16	44.96	45.1	45.66	47.3	47.07	68.27	68.6		44.87	44.61	46.68	46.86	42.38	38.69	36.05	37.38	33.87	33.05
40	44.12	44.12	44.31	44.31	44.3	44.14	43.63	45.4	44.57	45.56	45.55	44.78	44.97	44.53	45.88	46.01	44.66	44.99	44.87		44.57	45.55	46.02	41.4	36.69	36.73	37.39	32.97	32.88
24	44.78	44.78	44.73	44.56	44.56	44.79	45.08	46.2	45.23	45.18	45.04	45.2	45.27	45.38	46.57	46.29	45.64	44.43	44.61	44.57		46.75	44.84	40.81	36.29	37.13	39.58	32.66	32.28
LR594033	45.87	45.86	46.06	45.88	45.88	45.45	45.33	46.56	45.97	46.41	46.47	46.21	46.39	45.69	46.08	45.9	48.85	46.07	46.68	45.55	46.75		46.38	42.93	40.29	36.46	37.49	32.45	32.36
CP065059	45.29	45.29	45.53	46.42	46.42	45.87	44.73	48.32	45.13	46	46.18	45.08	45.16	45.89	48.56	48.33	46.46	46.69	46.86	46.02	44.84	46.38		42.17	45.63	36.71	37.91	32.89	32.15
CP065056	41.46	41.46	41.66	42.08	42.08	40.91	40.86	43.71	41.39	41.17	41.68	41.48	41.75	42.6	41.99	41.82	41.7	41.57	42.38	41.4	40.81	42.93	42.17		45.69	47.41	47.4	36.12	35.26
CP065054	36.48	36.48	36.67	37.23	37.23	37.82	37.02	36.67	38.85	38.99	37.29	37.49	37.96	38.02	38.1	37.77	38.46	38.32	38.69	36.69	36.29	40.29	45.63	45.69		53.9	47.98	47.01	41.87
CP065191	35.32	35.32	35.5	36.13	36.13	36.55	36.65	36.31	36.64	36.81	35.7	36.56	36.76	35.29	36.14	35.99	36.37	35.92	36.05	36.73	37.13	36.46	36.71	47.41	53.9		56.9	42.5	42.98
LS483325	36.52	36.53	36.66	37.06	37.06	37.78	37.14	37.3	37.15	37.58	37.47	36.8	36.93	37.66	38.24	37.98	37.07	37.81	37.38	37.39	39.58	37.49	37.91	47.4	47.98	56.9		42.15	41.28
CP129527	32.54	32.54	32.72	32.75	32.75	33.95	33.21	32.37	33.8	33.88	33.35	34.1	34.22	32.76	32.24	32.51	34.32	33.91	33.87	32.97	32.66	32.45	32.89	36.12	47.01	42.5	42.15		51.42
CP133952	32.33	32.33	32.45	32.94	32.94	33.08	32.15	31.99	31.87	32.55	32.65	33.38	33.49	31.91	32.21	32.38	33.81	32.91	33.05	32.88	32.28	32.36	32.15	35.26	41.87	42.98	41.28	51.42	