

a) Sample ID

SM-07*	SM-09*	SM-10	SM-13	SM-14	SM-15	SM-16	SM-17	SM-18	SM-19	SM-20	SM-21	SM-22	SM-23	SM-24	SM-25	SM-26	SM-27	SM-28	SM-29	SM-30	SM-31	SM-32	SM-33	SM-35	SM-36	SM-37	Tick	
Nucleotide similarity (%)																												
SM-07*	92.7	95.7	95.0	94.0	93.8	93.9	93.9	94.6	94.2	94.5	94.5	94.0	94.6	94.6	94.3	94.6	94.1	94.5	94.3	95.1	93.9	94.9	94.5	93.7	93.6	94.2	93.5	
SM-09*	93.4	93.9	93.0	93.3	93.5	93.2	93.2	94.0	95.3	94.3	93.9	93.9	94.1	93.6	93.5	93.5	93.6	93.9	93.8	93.4	94.7	95.5	93.1	93.3	93.5	93.3		
SM-10	96.1	95.0	97.8	96.5	96.4	95.6	95.6	96.3	96.3	96.6	96.3	96.0	96.3	96.4	96.2	96.7	96.3	96.0	96.1	96.9	95.7	96.1	95.9	95.4	95.4	95.8	95.3	
SM-13	96.2	94.3	98.6	96.5	96.4	95.3	95.3	96.0	96.1	96.6	95.8	95.7	96.0	96.0	95.7	95.9	95.5	95.8	95.7	95.5	95.5	95.6	95.5	95.2	95.2	95.4	95.1	
SM-14	95.8	94.7	98.1	98.2	98.3	95.4	95.4	96.1	96.1	96.4	95.9	95.8	96.0	96.1	95.7	96.0	95.6	96.0	95.7	95.6	95.5	95.9	95.6	95.0	95.1	95.5	95.1	
SM-15	95.8	94.6	98.1	98.3	99.2	95.4	95.4	95.9	96.7	96.9	95.8	95.7	95.9	95.9	95.6	95.8	95.5	95.9	95.6	95.5	95.4	95.6	95.4	95.0	95.0	95.3	95.6	
SM-16	96.2	94.7	97.9	98.0	98.1	98.3	100.0	97.8	97.0	97.0	95.7	95.5	95.8	96.0	95.7	95.7	95.5	95.6	95.5	95.8	95.5	95.5	95.3	95.0	95.1	95.4	95.4	
SM-17	96.2	94.7	97.9	98.0	98.1	98.3	100.0	97.8	97.0	97.0	95.7	95.5	95.8	96.0	95.7	95.7	95.5	95.6	95.5	95.8	95.5	95.5	95.3	95.0	95.1	95.4	95.4	
SM-18	96.3	95.0	98.3	98.2	98.4	98.4	98.9	98.9	97.3	97.2	96.6	96.4	97.9	97.3	96.4	96.4	96.4	96.7	96.4	96.4	96.8	96.9	96.8	95.7	95.9	97.0	95.6	
SM-19	95.9	95.5	98.2	98.2	98.3	98.5	98.9	98.9	98.9	97.9	97.3	96.5	96.9	97.0	96.6	96.4	96.5	96.5	96.4	96.2	96.2	96.8	96.7	95.8	95.8	96.2	96.5	
SM-20	96.3	95.1	98.2	98.2	98.3	98.5	98.9	98.9	98.8	99.1	96.7	96.8	97.1	97.1	96.6	96.6	96.5	96.6	96.5	96.4	96.4	96.6	96.4	95.9	95.9	96.3	97.7	
SM-21	96.3	94.9	98.0	97.9	98.1	98.2	98.3	98.3	98.9	98.9	98.4	96.4	96.8	96.9	96.3	96.5	96.3	96.2	96.1	96.0	96.5	96.2	95.4	95.5	95.9	95.4		
SM-22	96.1	94.8	98.1	97.9	98.1	98.1	98.1	98.7	98.5	98.6	98.4	98.5	96.6	96.4	96.1	96.3	96.2	96.0	95.8	95.9	96.2	96.1	95.3	95.6	95.9	95.3		
SM-23	96.2	94.8	98.0	97.9	98.1	98.1	98.3	98.3	99.3	98.7	98.7	98.6	99.4	97.5	96.7	96.3	96.6	96.6	96.3	96.1	96.7	97.0	97.0	95.7	95.9	96.9	95.5	
SM-24	96.4	95.0	98.1	98.0	98.2	98.3	98.5	98.5	99.1	98.8	98.7	98.8	98.7	99.1	96.7	96.3	96.6	96.5	96.3	96.2	96.4	96.9	96.8	95.6	95.8	96.6	95.7	
SM-25	96.3	94.9	98.0	97.9	98.2	98.2	98.3	98.3	98.7	98.7	98.5	98.6	98.7	98.7	98.7	96.3	96.5	96.1	96.0	96.0	95.8	96.3	96.0	95.4	95.5	95.8	95.3	
SM-26	96.2	94.7	98.2	98.0	98.2	98.2	98.4	98.4	98.7	98.4	98.4	98.3	98.4	98.5	98.5	98.4	98.9	97.2	96.2	96.0	96.4	95.9	96.0	95.7	95.5	95.5	95.8	95.4
SM-27	96.1	94.8	98.1	97.8	98.1	98.1	98.2	98.2	98.9	98.5	98.5	98.5	98.6	98.7	98.8	98.6	98.9	95.9	95.9	96.3	95.7	96.2	95.9	95.3	95.3	95.6	95.2	
SM-28	96.3	94.6	97.9	97.9	98.2	98.2	98.1	98.1	98.6	98.5	98.4	98.3	98.4	98.4	98.4	98.3	98.4	98.3	96.0	95.7	96.0	96.2	96.0	95.4	95.7	96.1	95.4	
SM-29	96.1	95.1	98.0	97.9	98.1	98.1	98.1	98.6	98.4	98.4	98.3	98.4	98.5	98.4	98.4	98.4	98.4	98.2	95.9	95.9	96.0	95.9	95.5	95.5	95.9	95.4		
SM-30	96.4	94.9	98.4	97.8	98.0	98.1	98.3	98.3	98.6	98.5	98.4	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.2	98.2	95.7	95.9	95.6	95.3	95.2	95.7	95.3	
SM-31	95.8	94.3	97.7	97.7	97.8	97.9	98.0	98.0	98.8	98.4	98.3	98.1	98.2	98.5	98.3	98.0	98.2	98.2	98.1	98.1	98.1	96.2	96.5	95.2	95.5	96.2	95.3	
SM-32	96.4	95.1	97.9	97.8	98.1	98.1	98.3	98.3	99.0	98.7	98.5	98.5	98.5	98.9	98.8	98.5	98.3	98.5	98.3	98.3	98.2	98.4	98.1	95.4	95.6	96.2	95.3	
SM-33	96.4	95.1	97.9	97.9	98.0	98.1	98.2	98.2	99.0	98.7	98.5	98.5	98.5	98.9	98.7	98.5	98.3	98.5	98.3	98.2	98.3	98.6	99.4	95.2	95.4	96.1	95.1	
SM-35	96.1	94.6	97.6	97.7	97.6	97.7	97.9	97.9	98.3	98.1	98.1	97.8	97.9	98.0	98.0	97.9	97.9	98.0	98.0	97.8	97.7	98.0	98.0	98.3	96.5	96.0		
SM-36	96.1	94.5	97.5	97.5	97.6	97.6	97.8	97.8	98.3	98.0	98.0	97.8	97.9	98.0	98.0	97.8	97.9	97.9	98.0	97.7	97.7	98.0	98.0	99.3	96.6	95.9		
SM-37	96.3	94.5	97.7	97.7	97.9	97.9	98.1	98.1	98.8	98.3	98.2	98.1	98.2	98.5	98.4	98.2	98.2	98.2	98.2	98.2	98.0	98.2	98.5	98.5	98.3	98.3	98.6	
Tick	95.9	94.5	97.6	97.6	97.8	98.0	98.1	98.1	98.3	98.5	98.8	97.9	98.0	98.1	98.0	98.0	98.0	98.0	97.9	97.9	97.8	98.0	98.0	98.1	98.0	99.4	98.6	
Amino acid similarity (%)																												

* partial genomes

b) Sample ID

SM-07*	SM-09*	SM-10	SM-13	SM-14	SM-15	SM-16	SM-17	SM-18	SM-19	SM-20	SM-21	SM-22	SM-23	SM-24	SM-25	SM-26	SM-27	SM-28	SM-29	SM-30	SM-31	SM-32	SM-33	SM-35	SM-36	SM-37	Tick
Nucleotide differences																											
SM-07*	345	289	331	398	412	405	405	360	385	365	365	397	362	361	378	361	390	366	377	326	402	339	365	415	427	386	432
SM-09*	98	627	715	695	667	695	695	627	492	588	632	632	633	607	661	675	670	664	628	644	679	552	471	713	691	666	685
SM-10	83	163	384	602	617	763	763	647	637	586	642	684	646	630	659	580	633	686	666	530	733	673	708	789	793	731	806
SM-13	82	191	79	596	611	791	791	691	669	590	720	731	687	678	731	694	760	708	733	769	763	746	767	823	815	776	831
SM-14	90	176	107	101	286	785	785	681	666	617	696	716	681	669	725	691	742	689	731	753	764	707	751	846	835	770	839
SM-15	90	180	105	97	48	776	776	705	571	533	717	734	705	698	749	715	766	705	753	771	788	742	777	850	849	793	755
SM-16	83	176	116	113	107	95	0	387	513	513	736	771	711	687	737	728	761	756	771	717	772	759	798	851	842	775	777
SM-17	83	176	116	113	107	95	0	387	513	513	736	771	711	687	737	728	761	756	771	717	772	759	798	851	842	775	777
SM-18	80	166	97	101	89	89	65	65	473	494	595	619	370	475	615	630	614	578	628	625	555	538	560	735	703	526	751
SM-19	89	152	102	104	97	84	63	63	60	360	461	594	539	521	584	622	606	603	626	658	644	554	571	724	715	648	599
SM-20	80	165	100	102	98	83	64	64	66	53	561	544	501	506	583	582	594	582	601	614	609	591	624	697	703	633	400
SM-21	80	171	114	120	108	103	95	95	65	65	88	616	555	523	533	630	585	635	650	663	678	593	645	783	775	695	784
SM-22	85	172	108	120	107	108	105	105	72	85	81	88	255	576	616	664	632	649	678	706	693	641	663	792	755	705	793
SM-23	82	174	112	117	105	105	95	95	37	76	74	77	35	430	568	629	587	589	625	663	564	508	510	742	711		