

Supplemental Table S5. *Streptococcus* pangenomes from 29 ANI 95% clusters with ≥10 genomes.

Group	Species	No. of Genomes	mean ANI%	No. of CDSs	No. of Genes	% pseudo	No. of Core genes	No. of core CDSs	No. of pan genes	α
MG_4	<i>S. agalactiae</i>	224	98.86	1,895	1,994	5.0	1,037	433	6,361	0.80
MG_69	<i>S. anginosus</i>	57	95.94	1,730	1,832	5.6	1,184	979	5,393	0.79
MG_34	<i>S. constellatus</i>	16	97.96	1,674	1,785	6.2	1,348	1,117	3,418	0.67
MG_37	<i>S. cristatus</i>	12	95.62	1,800	1,892	4.9	1,460	1,364	3,375	0.65
MG_2	<i>S. dysgalactiae</i>	41	98.17	1,865	1,959	4.8	1,396	1,124	4,620	0.75
MG_114	<i>S. equi</i>	23	97.37	1,755	1,846	4.9	1,398	1,201	3,467	0.73
MG_8	<i>S. equinus</i>	23	97.72	1,649	1,718	4.0	1,286	975	3,410	0.62
MG_23	<i>S. equinus</i>	11	96.65	1,723	1,806	4.6	1,396	1,257	3,088	0.64
MG_29	<i>S. gallolyticus</i>	36	96.54	1,914	2,048	6.5	1,165	836	6,206	0.76
MG_32	<i>S. gordonii</i>	42	96.17	1,940	2,026	4.3	1,534	1,239	4,051	0.75
MG_101	<i>S. iniae</i>	12	99.63	1,836	1,928	4.7	1,551	1,400	2,854	0.81
MG_150	<i>S. intermedius</i>	30	98.37	1,726	1,820	5.2	1,412	1,151	3,643	0.81
MG_33	<i>S. mitis</i>	20	95.36	1,776	1,900	6.5	1,229	929	4,335	0.74
MG_43	<i>S. mitis</i>	14	95.76	1,696	1,773	4.3	1,352	1,139	3,034	0.80
MG_156	<i>S. mutans</i>	84	98.84	1,744	1,837	5.0	1,206	914	3,385	0.89
MG_18	<i>S. oralis subsp. oralis</i>	54	95.19	1,774	1,849	4.1	1,323	1085	4,805	0.71
MG_143	<i>S. oralis subsp. tigurinus</i>	10	95.91	1,752	1,815	3.5	1,464	1,393	2,799	0.71
MG_13	<i>S. parasanguinis</i>	33	95.38	1,864	1,951	4.5	1,343	1,105	4,267	0.82
MG_12	<i>S. parasanguinis</i>	10	96.92	1,863	1,949	4.4	1,448	1,274	3,132	0.78
MG_55	<i>S. parauberis</i>	14	99.08	1,882	1,980	4.9	1,520	1,311	3,749	0.60
MG_27	<i>S. pneumoniae</i>	997	98.50	1,857	1,992	6.8	840	195	6,457	0.84
MG_75	<i>S. pseudopneumoniae</i>	44	97.31	1,877	2,020	7.1	1,498	1,211	3,223	0.91
MG_1	<i>S. pyogenes</i>	441	98.78	1,590	1,656	4.0	1,249	761	4,246	0.85
MG_7	<i>S. salivarius</i>	53	95.78	1,880	1,968	4.5	1,323	1,083	4,657	0.81
MG_16	<i>S. sanguinis</i>	47	95.41	2,135	2,212	3.5	1,641	1,460	4,549	0.87
MG_41	<i>S. sobrinus</i>	21	98.82	1,702	1,900	10.4	1,529	614	2,577	1.04
MG_11	<i>S. suis</i>	321	95.51	1,952	2,061	5.3	989	648	9,947	0.82
MG_21	<i>S. thermophilus</i>	33	98.80	1,491	1,711	12.9	1,273	956	3,028	0.73
MG_66	<i>S. uberis</i>	17	99.07	1,746	1,804	3.2	1,463	1,391	3,132	0.59