

Table S7. Comparison of transcriptome results for late genes in *S. mutans*, *S. pneumoniae*, and *S. thermophilus*. Late genes (red) as determined for *S. mutans* UA159 in this study, and for *S. pneumoniae* Rx (1) and *S. thermophilus* LMD-9 (2). *S. pneumoniae* delayed genes are in blue. Orthologue identification and gene names as in MBGD (3).

	<i>S. mutans</i>	<i>S. pneumoniae</i>	<i>S. thermophilus</i>	Gene
Late genes common to all (1 to 20) or only to <i>S. mutans</i> and <i>S. pneumoniae</i> (21 to 25)				
1	SMU_325	SP_0021	STER_1804	<i>dut</i>
2	SMU_498	SP_2208	STER_0406	<i>comFA</i>
3	SMU_499	SP_2207	STER_0407	<i>comFC</i>
4	SMU_500	SP_2206	STER_0408	<i>raiA</i>
5	SMU_625	SP_0954	STER_1521	<i>comEA</i>
6	SMU_626	SP_0955	STER_1520	<i>comEC</i>
7	SMU_645	SP_0979	STER_0489	<i>pepB</i>
8	SMU_1001	SP_1266	STER_0922	<i>smf</i>
9	SMU_1055	SP_1088	STER_1430	<i>radC</i>
10	SMU_1967	SP_1908	STER_1821	<i>ssb2</i>
11	SMU_1979C	SP_2045	STER_1835	
12	SMU_1980C	SP_2047	STER_1836	
13	SMU_1981C	SP_2048	STER_1837	<i>comYD</i>
14	SMU_1982C	SP_2049	STER_1838	
15	SMU_1983	SP_2050	STER_1839	<i>comYD</i>
16	SMU_1984	SP_2051	STER_1840	<i>comYC</i>
17	SMU_1985	SP_2052	STER_1841	<i>comYB</i>
18	SMU_1987	SP_2053	STER_1842	<i>comYA</i>
19	SMU_2085	SP_1940	STER_0077	<i>recA</i>
20	SMU_2086	SP_1941	STER_0076	<i>cinA</i>
21	SMU_354	SP_1981	STER_1767	<i>ccs50</i>
22	SMU_355	SP_1980	STER_1766	<i>cbf</i>
23	SMU_539C	SP_1808	STER_0766	<i>pilD</i>
24	SMU_769	SP_0782	STER_0728	
25	SMU_837	SP_1478	STER_1326	
Late genes only in <i>S. mutans</i> (with orthologues in <i>S. pneumoniae</i>)				
1	SMU_109	SP_0379 SP_0145	-	<i>labT</i>
2	SMU_168	SP_1423	-	
3	SMU_326	SP_1745	-	
4	SMU_352	SP_1983	STER_1769	<i>rpe</i>
5	SMU_353	SP_1982	STER_1768	
6	SMU_356	SP_1979	STER_1765	<i>purR</i>

7	SMU_400	SP_1448	STER_1629	
8	SMU_505	SP_1431	-	<i>spnIM</i>
9	SMU_507	SP_2168	STER_0444	<i>fcsR</i>
10	SMU_646	SP_2064	-	
11	SMU_838	SP_0784	STER_0447	<i>gor</i>
12	SMU_1003	SP_0943	STER_0927	<i>gid</i>
13	SMU_1400C	SP_1786	STER_1473	
14	SMU_1916	SP_0527	STER_1650	<i>blpH</i>
15	SMU_1917	SP_2235 SP_0526	STER_1649	<i>comE</i>

Late genes only in *S. mutans* (without orthologues in *S. pneumoniae*)

1	SMU_166	-	-	
2	SMU_167	-	-	
3	SMU_506	-	-	
4	SMU_508	-	PL203 ST754	
5	SMU_627	-	STER_0275	
6	SMU_772	-	-	<i>bglB1</i>
7	SMU_836 *	-	-	
8	SMU_927	-	-	
9	SMU_928	-	PL405 (STER_1115)	
10	SMU_1374	-	-	
11	SMU_1964C	-	-	
12	SMU_1965C	-	-	
13	SMU_1966C	-	-	<i>rbsB</i>
14	SMU_2076C	-	-	

Late genes in *S. pneumoniae* not induced in *S. mutans*

1	SMU_121	SP_1939	-	<i>dinF</i>
2	SMU_328	SP_0024	STER_1800	
3	SMU_538	SP_1811	STER_1548	<i>trpA</i>
4	SMU_623C	SP_1479	PL1417 (STER_1523)	<i>pgdA</i>
5	SMU_647	SP_0980	STER_0491	
6	SMU_648	SP_0981	STER_0492	<i>prsA</i>
7	SMU_651C	SP_2197	-	
8	SMU_653C	SP_2198	-	
9	SMU_797	SP_1092	-	
10	SMU_823	SP_1074	STER_1447	
11	SMU_828	SP_0957	STER_1434	<i>rgpD</i>
12	SMU_878	SP_1897	-	<i>msmE</i>
13	SMU_1043C	SP_1100	STER_1420	<i>eutD</i>
14	SMU_1044C	SP_1099	STER_1421	
15	SMU_1045C	SP_1098	STER_1422	<i>ppnK</i>

16	SMU_1046C	SP_1097	STER_1423	
17	SMU_1048	SP_1096	STER_1424	
18	SMU_1050	SP_1095	STER_1425	<i>prs</i>
19	SMU_1051	SP_1094	STER_1426	
20	SMU_1412C SMU_864	SP_2013 SP_0787	PL497	
21	SMU_2075C	SP_0201 SP_0200	STER_1941	<i>ccs4</i>
22	SMU_2112 SMU_1004 SMU_1005 SMU_910 SMU_772	SP_1937 SP_0667 SP_0965 SP_1573 SP_2201 SP_0377 SP_0378 SP_0391 SP_0069 SP_0930 SP_2136 SP_0117 SP_2190	STER_0495 ST62	<i>lytA</i>

Late genes only in *S. pneumoniae* (with no orthologues in *S. mutans*)

1	-	SP_0022	-	
2	-	SP_0025	PL815	
3	-	SP_0026	-	
4	-	SP_0029	-	
5	-	SP_0030	-	
6	-	SP_0031 SP_1480	-	
7	-	SP_0124	-	
8	-	SP_0125	-	
9	-	SP_0956	-	
10	-	SP_0958	-	
11	-	SP_1065	PL1816	
12	-	SP_1264	-	
13	-	SP_1809	-	
14	-	SP_1810	-	
15	-	SP_2016	-	
16	-	SP_2017	-	
17	-	SP_2196	-	
18	-	SP_2199	-	
19	-	SP_2200	-	

Delayed genes in *S. pneumoniae*

1	SMU_80	SP_0515	STER_0161	<i>hrcA</i>
2	SMU_81	SP_0516	STER_0162	<i>grpE</i>
3	SMU_82	SP_0517	STER_0163	<i>dnaK</i>
4	SMU_83	SP_0519	STER_0164	<i>dnaJ</i>
5	SMU_788	SP_1029	STER_0702	<i>rumA-2</i>
6	SMU_862	SP_0785	STER_0563	<i>acrA</i>
7	SMU_863	SP_0786	-	<i>salX</i>
8	SMU_864 SMU_1412C	SP_0787 SP_2013	PL495	
9	SMU_864	SP_0787	PL496	
10	SMU_956	SP_0338	STER_1578	<i>clpL</i>
11	SMU_1042	SP_1380	STER_1677	
12	SMU_1111C	SP_1027	STER_1253	
13	SMU_1128	SP_0799	PL758	<i>ciaH</i>
14	SMU_1129	SP_0798	PL755 PS1040	<i>ciaR</i>
15	SMU_1193	SP_1714	STER_1402	
16	SMU_1194	SP_1715	STER_1403	
17	SMU_1195	SP_1715	STER_1404	
18	SMU_1954	SP_1906	STER_0253	<i>groEL</i>
19	SMU_1955	SP_1907	STER_0252	<i>groES</i>
20	SMU_2164	SP_2239	STER_2002	<i>htrA</i>
21	SMU_2165	SP_2240	STER_2003	<i>spo0J</i>

-, no orthologue.

References

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