

In silico assessment of virulence factors in strains of *Streptococcus oralis* and *Streptococcus mitis* isolated from patients with Infective Endocarditis

Rasmussen, Louise Hesselbjerg; Højholt, Katrine ; Dargis, Rimtas; Christensen, Jens Jørgen; Skovgaard, Ole; Justesen, Ulrik ; Rosenvinge, Flemming ; Moser, Claus; Lukjancenko, Oksana; Rasmussen, Simon; Nielsen, Xiaohui Chen

Published in:
Journal of Medical Microbiology

DOI:
[10.1099/jmm.0.000573](https://doi.org/10.1099/jmm.0.000573)

Publication date:
2017

Document Version
Other version

Citation for published version (APA):
Rasmussen, L. H., Højholt, K., Dargis, R., Christensen, J. J., Skovgaard, O., Justesen, U., Rosenvinge, F., Moser, C., Lukjancenko, O., Rasmussen, S., & Nielsen, X. C. (2017). In silico assessment of virulence factors in strains of *Streptococcus oralis* and *Streptococcus mitis* isolated from patients with Infective Endocarditis. *Journal of Medical Microbiology*, 66(9), 1316-1323. Article 000573. <https://doi.org/10.1099/jmm.0.000573>

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain.
- You may freely distribute the URL identifying the publication in the public portal.

Take down policy

If you believe that this document breaches copyright please contact rucforsk@kb.dk providing details, and we will remove access to the work immediately and investigate your claim.

Appendix A. Assembly characterisation of the 40 *S. mitis* and *S. oralis* genomes

Strain	Scaffold #	Genome size Mb	Longest sequence	G+C % content	N50	Functional profiles #
<i>S. mitis</i> B_009152_10	85	2.04	206423	39,71	56157	2083
<i>S. mitis</i> B_5756_13	27	1.89	626010	40,26	496399	1788
<i>S. mitis</i> OD_310347_11	57	2.00	157671	40,07	88752	2013
<i>S. mitis</i> OD_317805_11	60	2.07	221083	39,78	99788	2066
<i>S. mitis</i> RH_12363_08	21	1.99	660127	40,2	263920	1895
<i>S. mitis</i> RH_17024_08	20	1.82	907489	40,4	219622	1692
<i>S. mitis</i> RH_17439_08	33	1.91	352952	40,28	236463	1856
<i>S. mitis</i> RH_43861_09	23	1.85	499111	40,15	223515	1731
<i>S. mitis</i> RH_50275_09	26	2.06	431800	39,84	180092	2052
<i>S. mitis</i> RH_50738_11	29	1.97	414110	39,79	141370	1896
<i>S. mitis</i> RH_777_07	51	2.11	549421	39,81	153862	2059
<i>S. mitis</i> RH_8961_10	17	1.89	533911	40,18	202219	1792
<i>S. oralis</i> subsp. <i>dentisani</i> Y_052157_08	22	1.94	837285	41,13	415328	1855
<i>S. oralis</i> subsp. <i>dentisani</i> RH_13585_10	41	1.89	581876	41,29	429199	1842
<i>S. oralis</i> subsp. <i>dentisani</i> RH_55407_11	20	1.84	741061	41,42	416375	1734
<i>S. oralis</i> subsp. <i>dentisani</i> RH_70047_11	32	1.96	1041383	41,09	1041383	1938
<i>S. oralis</i> subsp. <i>dentisani</i> RH_9883_08	33	1.94	507900	41,16	176051	1884
<i>S. oralis</i> subsp. <i>dentisani</i> Y_5914_11	30	1.97	695852	40,75	346737	1888
<i>S. oralis</i> subsp. <i>oralis</i> OD_338919_11	24	2.03	482815	41,1	307315	2015
<i>S. oralis</i> subsp. <i>oralis</i> RH_5486_10	47	2.01	488984	41,05	265454	1952
<i>S. oralis</i> subsp. <i>oralis</i> B_007274_11	30	1.99	516894	41,16	348622	1981
<i>S. oralis</i> subsp. <i>oralis</i> B_19836_11	31	1.97	539634	41,27	481734	1943
<i>S. oralis</i> subsp. <i>oralis</i> OD_311844-09	10	1.95	1089449	41,12	1089449	1851
<i>S. oralis</i> subsp. <i>oralis</i> OD_321121_09	10	2.02	1643820	41,28	1643820	1901
<i>S. oralis</i> subsp. <i>oralis</i> OD_332610_07	9	1.95	846107	41,27	423471	1833
<i>S. oralis</i> subsp. <i>oralis</i> OD_336064_07	12	1.97	852929	41,27	404149	1815
<i>S. oralis</i> subsp. <i>oralis</i> RH_1735_08	11	2.00	1310494	41,03	1310494	1853
<i>S. oralis</i> subsp. <i>oralis</i> RH_34706_11	7	1.94	1254341	41,4	1254341	1808
<i>S. oralis</i> subsp. <i>oralis</i> RH_50443_09	8	1.92	1015364	41,5	1015364	1807
<i>S. oralis</i> subsp. <i>oralis</i> RH_57980_07	13	1.99	1332102	41,01	1332102	1912
<i>S. oralis</i> subsp. <i>oralis</i> RH_8610_08	18	1.99	806352	41,1	392938	1891

Strain	Scaffold #	Genome size Mb	Longest sequence	G+C % content	N50	Functional profiles #
<i>S. oralis</i> subsp. <i>oralis</i> Y_11577_11	25	2.00	790692	41,14	554763	1974
<i>S. oralis</i> subsp. <i>tigurinus</i> OD_311286_11	11	1.91	826180	41,15	397134	1807
<i>S. oralis</i> subsp. <i>tigurinus</i> OD_314165_09	18	1.95	957826	40,91	258376	1861
<i>S. oralis</i> subsp. <i>tigurinus</i> OD_326128_08	10	1.85	1140427	41,27	1140427	1774
<i>S. oralis</i> subsp. <i>tigurinus</i> B_003802_10	19	1.93	633186	40,9	597913	1871
<i>S. oralis</i> subsp. <i>tigurinus</i> OD_339823_10	47	2.09	569623	40,89	207394	2038
<i>S. oralis</i> subsp. <i>tigurinus</i> OD_348934_12	14	1.85	695452	41,35	361256	1837
<i>S. oralis</i> subsp. <i>tigurinus</i> RH_48720_11	9	1.93	908366	41,1	616797	1839
<i>S. oralis</i> subsp. <i>tigurinus</i> RH_49702_11	7	1.91	1450296	41,23	1450296	1822