

Supplementary Table 1. Predominant organisms by HOMIM.

Taxon(a) targeted by HOMIM probe	Avg. HOMIM score	Prevalence
<i>Streptococcus</i> genus HOT-All probe-Q65	4.4 ± 0.7	100%
<i>Streptococcus anginosus-S. intermedius</i> HOT-543-644 probe-Q62	4.1 ± 0.7	100%
<i>Veillonella atypica</i> HOT-524 probe-W88	4.1 ± 1.2	100%
<i>Streptococcus oralis</i> HOT-707 probe-F46	3.9 ± 0.9	100%
<i>Streptococcus salivarius-S. sanguinis-S. vestibularis-S. spp.</i> HOT-021-064-071-755-758 probe Q59	3.6 ± 1.4	100%
<i>Haemophilus parainfluenzae</i> HOT-718 probe-W79	3.6 ± 1.0	100%
<i>Fusobacterium</i> Cluster HOT-200-201-202-203-205-370-420-689-698 probe-AE01	3.5 ± 1.3	100%
<i>Campylobacter gracilis</i> HOT-623 probe-X34	3.5 ± 0.8	100%
<i>Veillonella dispar</i> HOT-160 probe-AD63	3.5 ± 1.1	100%
<i>Gemella haemolysans</i> HOT-626 probe-K63	3.2 ± 1.0	100%
<i>Leptotrichiaceae-Leptotrichia-Sneathia</i> Cluster HOT-210-212-213-214-215-217-218-219-220-221-222-223-224-225-392-462-463-498-563-837-844-847-879 probe-AA45	3.0 ± 1.0	100%
<i>Streptococcus anginosus-S. gordonii</i> HOT-543-622 probe-F49	2.8 ± 1.3	100%
<i>Streptococcus constellatus-S. intermedius</i> HOT-576-644 probe-AB77	3.6 ± 1.1	98%
<i>Streptococcus constellatus-S. intermedius</i> HOT-576-644 probe-F48	3.6 ± 1.2	98%
<i>Gemella morbillorum</i> HOT-046 probe-K64	3.5 ± 0.9	98%
<i>Campylobacter concisus-C. rectus</i> HOT-575-748 probe-T86	3.3 ± 1.3	98%
<i>Capnocytophaga granulosa-C. sp.</i> HOT-325-326 probe-AA89	3.8 ± 1.1	97%
<i>Campylobacter gracilis</i> HOT-623 probe-Q04	3.4 ± 1.4	97%
<i>Veillonella dispar-V.parvula</i> HOT-160-161 probe-AC37	2.9 ± 1.4	97%
<i>Campylobacter concisus-C. rectus</i> HOT-575-748 probe-T86	2.5 ± 1.5	95%
<i>Streptococcus cristatus</i> HOT-578 probe-AA47	2.2 ± 1.2	95%
<i>Streptococcus anginosus-S. intermedius</i> HOT-543-644 probe-AB82	2.7 ± 1.1	93%
<i>Granulicatella elegans</i> HOT-596 probe-AB29	2.4 ± 1.5	93%
<i>Streptococcus sanguinis-S. sp</i> HOT-058-758 probe-AB78	2.7 ± 1.0	90%
<i>Streptococcus mitis</i> bv 2 HOT-398 probe-Q64	2.1 ± 1.2	90%
<i>Streptococcus sanguinis-S. sp</i> HOT-058-758 probe-AB75	2.7 ± 1.4	86%
<i>Campylobacter showae</i> HOT-763 probe-X35	2.2 ± 1.5	83%
<i>Parvimonas micra</i> HOT-111 probe-L97	2.1 ± 1.5	83%
<i>Dialister invisus</i> HOT-118 probe-P73	2.0 ± 0.9	79%
<i>Eubacterium yurii-Peptostreptococcaceae [XI][G-7] sp.</i> HOT-106-377 probe-W84	2.0 ± 1.2	76%