

Supplementary Table 3. Bacterial species that increase in numbers and prevalence comparing those with LAP to healthy subjects.

Taxon(a) targeted by HOMIM probe	Average HOMIM score health	Average HOMIM score LAP	Average HOMIM score change	Prevalence health	Prevalence LAP	Prevalence change
<i>Aggregatibacter actinomycetemcomitans</i> HOT-531 probe-P02	0.2 ± 0.8	1.2 ± 1.1	0.958	9%	64%	55%
<i>Aggregatibacter actinomycetemcomitans</i> HOT-531 probe-AA84	0.1 ± 0.5	0.9 ± 0.9	0.743	5%	57%	52%
<i>Filifactor alocis</i> HOT-539 probe AB95	0.7 ± 1.4	2.5 ± 2.0	1.89	22%	68%	46%
<i>Peptostreptococcaceae [XIII][G-1] sp.</i> HOT-113 probe-P72	0.2 ± 0.7	1.7 ± 1.9	1.452	9%	50%	41%
<i>Filifactor alocis</i> HOT-539 probe AB94	0.4 ± 1.0	1.6 ± 1.7	1.177	16%	57%	41%
<i>Filifactor alocis</i> HOT-539 probe-AA69	0.6 ± 1.2	2.3 ± 1.8	1.635	28%	68%	41%
<i>Lachnospiraceae [G-5] sp.</i> HOT-080 probe-AA65	0.1 ± 0.7	0.9 ± 1.1	0.743	5%	45%	40%
<i>Treponema socranskii</i> HOT-769 probe-AC38	0.4 ± 0.7	1.1 ± 0.9	0.712	26%	66%	40%
<i>Tannerella forsythia</i> HOT-613 probe-X56	0.5 ± 1.0	1.1 ± 1.1	0.534	29%	59%	30%
<i>Porphyromonas gingivalis</i> HOT-619 probe-AA93	0.5 ± 0.7	0.5 ± 0.8	0.362	7%	32%	25%
<i>Parvimonas micra</i> HOT-111 probe-V05	1.6 ± 1.6	2.7 ± 1.6	1.021	60%	84%	24%
<i>Treponema</i> Cluster: <i>Treponema</i> spp. HOT-250-251-252-253-254-256-508-517 probe-AC44	0.0 ± 0.3	0.4 ± 0.8	0.397	2%	25%	23%
<i>Peptostreptococcaceae [XIII][G-1] sp.</i> HOT-113 probe-AD07	0.0 ± 0.1	0.3 ± 0.6	0.324	2%	25%	23%
<i>Eubacterium [XI][G-6] nodatum</i> HOT-694 probe-Y46	0.1 ± 0.3	0.4 ± 0.8	0.346	7%	27%	20%
<i>Selenomonas sputigena-S. sp.</i> HOT-143-151 probe-AB04	0.4 ± 0.9	0.8 ± 1.0	0.255	26%	45%	20%
<i>Porphyromonas gingivalis</i> HOT-619 probe-X21	0.1 ± 0.6	1.0 ± 0.9	0.495	40%	59%	19%
<i>Treponema</i> Cluster: <i>Treponema</i> spp. HOT-250-251-252-253-254-255-256-508-517-518 probe-AC43	0.1 ± 0.3	0.3 ± 0.5	0.198	3%	23%	19%
<i>Prevotella intermedia</i> HOT-643 probe-AB92	0.2 ± 0.5	0.4 ± 0.7	0.254	10%	30%	19%
<i>Eubacterium [XI][G-1] infirmum</i> HOT-105 probe-Y45	0.5 ± 1.0	0.9 ± 1.2	0.346	24%	43%	19%
<i>Treponema</i> genus HOT-All probe-AA63	0.7 ± 0.8	1.3 ± 1.1	0.600	50%	68%	18%
<i>Eubacterium [XI][G-3] brachy</i> HOT-557 probe-O47	0.7 ± 0.9	0.9 ± 0.9	0.277	41%	59%	18%
<i>Desulfobulbus</i> sp. HOT-041 probe-K70	0.1 ± 0.3	0.5 ± 1.0	0.431	5%	23%	18%
<i>Dialister pneumosintes</i> HOT-736 probe-X78	0.6 ± 1.2	1.0 ± 1.3	0.351	26%	43%	17%
<i>Veillonellaceae [G-1] sp.</i> HOT-155 probe-AB59	0.4 ± 0.7	0.6 ± 0.8	0.223	29%	45%	16%
<i>Peptostreptococcaceae [XI][G-4] spp.</i> HOT-103-369 probe-AB49	0.1 ± 0.5	0.3 ± 0.7	0.215	5%	20%	15%
<i>Treponema</i> Cluster HOT-257-262-264-265-541 probe-AC41	0.2 ± 0.5	0.4 ± 0.7	0.237	14%	27%	13%
<i>Selenomonas</i> spp. HOT-138-146-892 probe-Q52	0.8 ± 1.0	1.0 ± 1.0	0.195	47%	59%	13%
<i>Anaeroglobus geminatus</i> HOT-121 probe-AA56	0.1 ± 0.3	0.4 ± 0.8	0.271	14%	25%	11%
<i>Dialister invisus</i> HOT-118 probe-AA94	1.0 ± 1.0	1.4 ± 1.2	0.404	55%	66%	11%
<i>Eubacterium yurii</i> - <i>Peptostreptococcaceae [XI][G-7] sp.</i> HOT-106-377 probe-W84	2.0 ± 1.5	2.5 ± 1.5	0.443	76%	86%	11%