

Supplementary Table 10: Phylotypes which were differently distributed between sai

	OAX/OAH	SAX/SAH
Phy24_Actinomyces	ns	ns
Phy116_Actinomyces	ns	ns
Phy173_Corynebacterium	ns	ns
Phy51_Corynebacterium_tuberculostearicum	ns	ns
Phy187_Dermacoccus_nishinomiyaensis	ns	ns
Phy130_Micrococcusluteus	ns	ns
Phy89_Rothia_dentocariosa	ns	ns
Phy8_Rothia_mucilaginosa	ns	ns
Phy18_Propionobacterium_acnes	0.00544	ns
Phy79_Actinomycetales	ns	ns
Phy216_Olsenella	ns	ns
Phy225_Tannerella_forsythia	ns	ns
Phy579_Porphyromonadaceae	ns	ns
Phy43_Alloprevotella	ns	ns
Phy59_Prevotella	ns	ns
Phy326_Prevotella	ns	ns
Phy62_Prevotella_oris	0.02680	ns
Phy316_Prevotella_oulorum	ns	ns
Phy23_Gemella	ns	ns
Phy20_Gemella_haemolysans	ns	ns
Phy7_Gemella_sanguinis	ns	ns
Phy159_Staphylococcus	ns	ns
Phy103_Staphylococcus_aureus	ns	ns
Phy45_Staphylococcus_epidermidis	ns	ns
Phy15_Granulicatella	ns	ns
Phy29_Granulicatella	ns	ns
Phy127_Granulicatella	ns	ns
Phy2_Streptococcus	ns	ns
Phy11_Streptococcus	ns	ns
Phy48_Streptococcus	ns	ns
Phy26_Streptococcus_parasanguinis	ns	ns
Phy12_Streptococcus_parasanguinis	ns	ns
Phy40_Streptococcus_parasanguinis	ns	ns
Phy3_Streptococcus_salivarius_or_vestibularis	ns	ns
Phy31_Parvimonas_micra	ns	ns
Phy84_Solobacterium_moorei	ns	ns
Phy44_Fusobacterium	ns	ns
Phy76_Fusobacterium_nucleatum	ns	ns
Phy53_Fusobacterium_nucleatum	ns	ns
Phy160_Fusobacterium_nucleatum	ns	ns
Phy100_Leptotrichia	ns	ns
Phy113_Brevundimonas	ns	ns
Phy64_Paracoccus_marinus	ns	ns

Phy78_Rhodobacteraceae	ns	ns
Phy465_Schlegelella_thermodepolymerans	ns	ns
Phy49_Campylobacter	ns	ns
Phy80_Campylobacter_conciscus	ns	0.04440
Phy269_Campylobacter_gracilis	ns	ns
Phy1_Helicobacter_pylori	ns	0.00080
Phy25_Haemophilus	0.01504	0.01504
Phy58_Haemophilus	ns	ns
Phy37_Haemophilus_parainfluenzae	ns	ns
Phy105_Haemophilus_sputorum	ns	ns
Phy451_Acinetobacter	ns	ns
Phy83_Enhydrobacter	ns	ns
Phy280_Enhydrobacter	ns	ns
Phy304_Enhydrobacter	ns	ns
Phy28_Enhydrobacter_aerosaccus	ns	ns
Phy6_Pseudomonas	ns	ns

mpled sites. Abundances were compared by the Mann-Whitney test and phytotyp

DAX/DAH	SBX/SBH	DBX/DBH	OAX/SAX	SAX/DAX	SAX/SBX
ns	0.03600	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.00640	0.00640
ns	0.02800	ns	ns	0.00080	0.00047
ns	ns	ns	ns	0.03934	ns
ns	ns	ns	ns	ns	0.00320
ns	ns	ns	ns	ns	ns
ns	0.00800	ns	ns	ns	ns
ns	0.00360	ns	0.01520	0.00058	0.00007
ns	0.01440	ns	ns	0.00480	0.00055
ns	ns	ns	0.01280	ns	ns
ns	ns	ns	ns	ns	0.00320
ns	ns	ns	ns	ns	0.01280
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.01013	ns
ns	ns	ns	ns	ns	0.00640
ns	ns	ns	ns	0.02680	0.00800
ns	ns	ns	ns	0.01145	ns
ns	ns	ns	ns	ns	ns
ns	0.00320	ns	ns	ns	ns
ns	0.03733	ns	ns	ns	ns
ns	ns	ns	ns	0.00079	0.00079
0.03440	ns	ns	ns	0.00320	ns
ns	ns	ns	ns	0.01600	0.00014
ns	0.00030	ns	ns	ns	ns
ns	0.00160	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	0.01123	ns	ns	ns	ns
ns	0.00131	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	0.00160	ns	ns	ns	ns
ns	0.01440	ns	ns	ns	ns
ns	0.01280	ns	ns	ns	ns
ns	0.01440	ns	ns	ns	ns
ns	ns	ns	0.03440	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	0.00640	0.01760	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.01337	ns
ns	0.02027	ns	ns	0.00670	0.00160

ns	ns	0.05333	ns	0.00480	ns
ns	ns	ns	ns	ns	0.01920
ns	ns	ns	ns	0.04400	0.03600
ns	ns	ns	ns	0.04320	0.00127
ns	ns	0.05280	0.00053	0.00053	0.00012
0.00907	0.00080	ns	ns	ns	ns
ns	0.01504	ns	ns	0.03120	0.01504
ns	0.04320	ns	ns	ns	ns
ns	0.00160	ns	ns	ns	ns
ns	0.03120	ns	ns	ns	ns
ns	ns	ns	ns	0.03840	ns
ns	0.01333	ns	ns	ns	0.00020
ns	ns	ns	ns	ns	0.02240
ns	0.04320	ns	ns	ns	0.00158
ns	ns	ns	ns	0.00160	0.00020
ns	ns	ns	ns	0.00162	ns

es where the p-value in at least one of the given comparisons falls <0.05 are give

DAX/DBX	SBX/DBX	OAH/SAH	SAH/DAH	SAH/SBH	DAH/DBH
ns	ns	ns	ns	0.03600	ns
ns	ns	ns	ns	0.04960	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	0.02800	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.00320	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	0.00360	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	0.01520
0.04960	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.04480	ns
ns	ns	ns	0.01013	0.00960	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.02680	ns
ns	ns	ns	ns	0.01145	ns
ns	ns	ns	ns	0.03040	ns
ns	ns	ns	ns	0.01360	ns
ns	ns	ns	ns	0.00960	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.00249	ns
ns	ns	ns	ns	0.00400	ns
ns	ns	ns	ns	0.00480	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.01440	ns
ns	ns	ns	ns	0.00480	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.03440	ns
ns	ns	ns	ns	0.04960	ns
ns	ns	ns	ns	0.00320	ns
ns	ns	ns	ns	0.02720	ns
ns	ns	ns	ns	0.04480	ns
ns	ns	ns	ns	0.03200	ns
ns	ns	ns	ns	0.00960	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns

ns	0.01520	ns	ns	ns	ns
0.03627	ns	ns	ns	ns	ns
0.04053	ns	ns	ns	0.03600	ns
ns	ns	ns	ns	0.01157	ns
0.02240	ns	ns	ns	0.02240	ns
ns	ns	0.01680	ns	ns	ns
ns	ns	ns	ns	0.01504	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	0.00160	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
0.02840	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
ns	ns	ns	ns	ns	ns
0.01120	ns	ns	ns	ns	ns
0.00960	ns	ns	ns	ns	ns

ns	ns
ns	0.01920
ns	ns
ns	ns
ns	ns
0.03072	ns
ns	ns
ns	ns
ns	ns
ns	0.03120
ns	ns
ns	0.00720
ns	ns
ns	0.00160
ns	ns
ns	0.00240