

Table S2. Effects of different antibiotics on taxa in the salivary microbiome. Only genera or higher taxon present in at least 20% of the samples are shown. The colored cells indicate the time points at which a significant difference in the relative abundance of the taxon was observed in the antibiotic group compared to the respective placebo group. Red – decrease, green – increase compared to the placebo (Mann-Whitney test, $p < 0.005$). Only taxa in the dark-colored cells remained significant after Bonferroni correction for multiple comparisons. BL – baseline, W1 – week 1, M1 – month 1, M2 – month 2, M4 – month 4, M12 – month 12. Mean - average relative abundance of each taxon per study.

Taxon	KI study										HP study								Mean (%)					
	Ciprofloxacin					Clindamycin					Amoxicillin				Minocycline				KI	HP				
	BL	W1	M1	M2	M4	BL	W1	M1	M2	M4	BL	W1	M1	M2	M4	BL	W1	M1			M2	M4	M12	
Actinobacteria	Actinobacteria;Actinomycetales;Actinomycetaceae;Actinobaculum																						0.02	0.02
	Actinobacteria;Actinomycetales;Actinomycetaceae;Actinomyces																						2.89	2.78
	Actinobacteria;Corynebacteriales;Corynebacteriaceae;Corynebacterium																						0.09	0.22
	Actinobacteria;Micrococcales;Micrococcaceae;Rothia																						2.00	8.23
	Actinobacteria;Micrococcales;Other;Other																						0.05	0.21
	Coriobacteria;Coriobacteriales;Coriobacteriaceae;Atopobium																						0.13	0.17
Bacteroidetes	Bacteroidia;Bacteroidales;Porphyromonadaceae;Paludibacter																						0.02	0.06
	Bacteroidia;Bacteroidales;Porphyromonadaceae;Porphyromonas																						2.3	2.3
	Bacteroidia;Bacteroidales;Porphyromonadaceae;Tannerella																						0.04	0.1
	Bacteroidia;Bacteroidales;Prevotellaceae;Other																						0.05	0.06
	Bacteroidia;Bacteroidales;Prevotellaceae;Prevotella																						36.19	17.77
	Bacteroidia;Bacteroidales;Prevotellaceae;Xylanibacter																						0.00	0.08
	Bacteroidia;Bacteroidales;Rikenellaceae;Rc9_gut_group																						0.02	0.02
	Flavobacteria;Flavobacteriales;Flavobacteriaceae;Bergeyella																						0.25	0.48
	Flavobacteria;Flavobacteriales;Flavobacteriaceae;Capnocytophaga																						0.3	0.7
	Candidate_division_sr1;Uncultured_bacterium_x112																						0.1	0.08
TM7	Candidate_division_tm7;Tm7_phylum_sp_oral_clone_cw040																						0.1	0.06
	Candidate_division_tm7;Tm7_phylum_sp_oral_clone_dr034																						0.29	0.32
	Candidate_division_tm7;Tm7_phylum_sp_oral_clone_fr058																						0.08	0.11
	Candidate_division_tm7;Uncultured_candidate_division_tm7_bacterium																						0.01	0.07
Firmicutes	Firmicutes;Bacilli;Bacillales;Family_xi_incertae_sedis;Gemella																						1.00	1.54
	Firmicutes;Bacilli;Lactobacillales;Aerococcaceae;Abiotrophia																						0.03	0.07
	Firmicutes;Bacilli;Lactobacillales;Streptococcaceae;Streptococcus																						17.2	29.31
	Firmicutes;Clostridia;Clostridiales;Family_xi_incertae_sedis;Parvimonas																						0.1	0.19
	Firmicutes;Clostridia;Clostridiales;Family_xiii_incertae_sedis;Incertae_sedis																						0.23	0.24
	Firmicutes;Clostridia;Clostridiales;Family_xiii_incertae_sedis;Mogibacterium																						0.09	0.09
	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Butyrivibrio																						0.03	0.02
	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Catonella																						0.12	0.14
	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Johnsonella																						0.45	0.43
	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Moryella																						0.15	0.15
	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Oribacterium																						0.80	0.73
	Firmicutes;Clostridia;Clostridiales;Lachnospiraceae;Shuttleworthia																						0.01	0.02
	Firmicutes;Clostridia;Clostridiales;Peptostreptococcaceae;Fillifactor																						0.01	0.11
	Firmicutes;Clostridia;Clostridiales;Peptostreptococcaceae;Incertae_sedis																						0.01	0.03
	Firmicutes;Clostridia;Clostridiales;Peptostreptococcaceae;Peptostreptococcus																						0.14	0.10
	Firmicutes;Clostridia;Clostridiales;Ruminococcaceae;Uncultured																						0.13	0.16
	Firmicutes;Clostridia;Clostridiales;Veillonellaceae;Dialister																						0.05	0.10
	Firmicutes;Clostridia;Clostridiales;Veillonellaceae;Megasphaera																						0.62	0.67
	Firmicutes;Clostridia;Clostridiales;Veillonellaceae;Other																						0.65	0.32
	Firmicutes;Clostridia;Clostridiales;Veillonellaceae;Selenomonas																						0.0	0.08
Firmicutes;Clostridia;Clostridiales;Veillonellaceae;Veillonella																						15.99	12.38	
Firmicutes;Erysipelotrichi;Erysipelotrichales;Erysipelotrichaceae;Solobacterium																						0.24	0.29	
Fusobacteria	Fusobacteria;Fusobacteriales;Fusobacteriaceae;Fusobacterium																						1.41	1.57
	Fusobacteria;Fusobacteriales;Leptotrichiaceae;Leptotrichia																						1.21	1.36
	Fusobacteria;Fusobacteriales;Leptotrichiaceae;Uncultured																						0.00	0.06
Proteobacteria	Betaproteobacteria;Burkholderiales;Alcaligenaceae;Derxia																						0.05	0.20
	Betaproteobacteria;Neisseriales;Neisseriaceae;Neisseria																						5.17	9.40
	Epsilonproteobacteria;Campylobacteriales;Campylobacteraceae;Campylobacter																						0.37	0.28
	Gammaproteobacteria;Cardiobacteriales;Cardiobacteriaceae;Cardiobacterium																						0.02	0.06
	Gammaproteobacteria;Pasteurellales;Pasteurellaceae;Actinobacillus																						1.59	0.82
	Gammaproteobacteria;Pasteurellales;Pasteurellaceae;Haemophilus																						6.78	4.09
Spirochaetes;Spirochaetales;Spirochaetaceae;Treponema																						0.06	0.19	
Tenericutes;Mollicutes;Mycoplasmatales;Mycoplasmataceae;Mycoplasma																						0.01	0.06	
Unclassified Bacteria																						0.02	0.13	