

680 Figure S1 Genetic relationships between the 74 *S. mutans* amplitypes from 60 subjects.

681 Figure S2 Genetic relationships between 27 *S. mutans* amplitypes from subjects who harbored
682 more than 1 distinct *S. mutans* amplitype.

683 Figure S3 Susceptibility of *S. mutans* in caries-active versus caries-free subjects: analysis of all
684 strains from subjects. (A) HNP-1; (B) HNP-2; (C) HNP-3; (D) HBD-2; (E) HBD-3; (F) LL-37.

685 Figure S4 Effect of AMP combinations. Isobolograms of each peptide combination are shown.
686 (A) HNP-1 and HNP-2; (B) HNP-1 and HNP-3; (C) HNP-2 and HNP-3; (D) HNP-1 and HBD-2;
687 (E) HNP-1 and HBD-3; (F) HNP-2 and HBD-2; (G) HNP-2 and HBD-3; (H) HNP-3 and HBD-
688 2; (I) HNP-3 and HBD-3; (J) HNP-1 and LL-37; (K) HNP-2 and LL-37; (L) HNP-3 and LL-37;
689 (M) HBD-2 and HBD-3; (N) HBD-2 and LL-37 and (O) HBD-3 and LL-37. Dotted line,
690 expected result for additive interaction. Experiments were repeated two times with similar
691 results. Results shown are from a representative experiment.

692 Fig. S5 Relationships between the salivary AMP levels. Only significant correlations are shown.
693 (A) HNP-1-3 and LL-37; (B) HNP-1-3 relative to total protein and LL-37 relative to total
694 protein; (C) HBD-2 and HBD-3; (D) HBD-2 relative to total protein and HBD-3 relative to total
695 protein; (E) HNP-1-3 and HBD-2; (F) LL-37 relative to total protein and HBD-3 relative to total
696 protein

697 Figure S6 Relationship between levels of HNP-1-3 in saliva and MS count in dental plaque
698 (p=0.03).

699 Fig. S7 Relationship between levels of HNP-1-3 in saliva and the susceptibility profiles of *S.*
700 *mutans* to HNP-1 (p=0.04).

701 Table S1 Correlations between pairs of susceptibility profiles of *S. mutans* to different peptides.

Susceptibility to the peptide pair	Correlation coefficients	P-values
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HNP-1 and HNP-2	0.94	<0.0001*
HNP-1 and HNP-3	0.69	<0.0001*
HNP-2 and HNP-3	0.78	<0.0001*
HNP-1 and HBD-2	0.01	0.9005
HNP-1 and HBD-3	-0.09	0.4702
HNP-1 and LL-37	0.18	0.165
HNP-2 and HBD-2	-0.01	0.9653
HNP-2 and HBD-3	-0.01	0.9193
HNP-2 and LL-37	0.15	0.2687
HNP-3 and HBD-2	0.05	0.6958
HNP-3 and HBD-3	-0.01	0.9754
HNP-3 and LL-37	0.07	0.5861
HBD-2 and HBD-3	0.56	<0.0001*
HBD-2 and LL-37	0.6	<0.0001*
HBD-3 and LL-37	0.53	<0.0001*

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703 [Figure legends]

704 **Fig. 1 Susceptibility of *S. mutans* from caries-active versus caries-free subjects: analysis of**

705 **predominant strains from subjects. (A) HNP-1; (B) HNP-2; (C) HNP-3; (D) HBD-2; (E)**

706 **HBD-3; (F) LL-37. White bars represent caries-free subjects. Black bars represent caries-active**

707 **subjects. Asterisks indicate statistically significant differences in viabilities between both groups**

708 **(p<0.05).**

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