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| --- | --- | --- | --- | --- |
| Table 3S. Relative abundance of microbial species by caries experience, subgingival of posterior teeth | | | | |
| Species | Caries free  Median TPC (LQ, UQ)d | 1-2 carious lesions  Median TPC (LQ, UQ) | 3+ carious lesions  Median TPC (LQ, UQ) | Overall  Median TPC (LQ, UQ) |
| *Ac. israelii* | 3.9 (2.5 ,5.8) | 3.9 (2.3, 5.7) | 3.2 (2.3, 5.0) | 3.7 (2.4, 5.6) |
| *Ac. naeslundii* | 4.9 (2.8, 6.8) | 4.8 (2.8, 6.7) | 4.3 (2.8, 6.4) | 4.8 (2.8, 6.7) |
| *V. parvula* | 3.5(1.1, 6.4) | 4.0 (1.0, 6.6) | 3.7 (1.1, 6.1) | 3.7 (1.1, 6.4) |
| *S. gordonii* | 1.5 (0.9, 2.3) | 1.5 (0.9, 2.5) | 1.8 (1.1, 2.6) | 1.5 (0.9, 2.5) |
| *S. intermedius* | 1.7 (1.0, 2.7) | 1.7 (1.0, 2.6) | 1.9 (1.1, 2.7) | 1.7 (1.1, 2.7) |
| *S. mitis* I | **2.1 (1.3, 3.1)** | **2.1 (1.1, 3.2)** | **2.5 (1.4, 3.5)a** | 2.2 (1.3, 3.3) |
| *S. mitis* II | **1.4 (0.8, 2.4)** | **1.3 (0.8, 2.6)** | **1.8 (0.9, 2.9)a** | 1.5 (0.8, 2.5) |
| *S. oralis* | 1.8 (0.9, 3.1) | 1.8 (0.9, 3.2) | 1.9 (1.0, 3.0) | 1.8 (0.9, 3.1) |
| *A. actinomycetemcomitans* | 3.6 (2.2, 4.9) | 3.8 (2.4, 5.1) | 3.7 (2.4, 5.1) | 3.7 (2.3, 5.0) |
| *Cap. gingivalis* | 6.1 (4.8, 8.2) | 6.0 (4.5, 7.9) | 5.6 (4.5, 7.4) | 6.0 (4.7, 7.8) |
| *E. corrodens* | 5.3 (4.0, 6.6) | 5.3 (4.3, 6.8) | 5.1 (3.8, 6.3) | 5.3 (4.1, 6.6) |
| *C. rectus* | **3.8 (2.5, 4.9)** | **3.7 (2.7, 5.0)** | **4.3 (3.3, 5.3)b** | 3.9 (2.8, 5.0) |
| *Pr. nigrescens/intermedia* | 6.6 (5.2, 9.0) | 6.9 (5.2, 9.4) | 6.4 (5.2, 8.7) | 6.6 (5.2,9.0) |
| *M. micros* | **1.3 (0.8, 2.5)** | **1.2 (0.7, 2.6)** | **2.0 (1.0, 3.1)c** | 1.4 (0.8, 2.7) |
| *P. gingivalis* | 1.4 (0.9, 2.9) | 1.4 (0.7, 2.9) | 1.6 (0.9, 3.3) | 1.4 (0.8, 3.0) |
| *T. forsythia* | 1.5 (0.9, 2.7) | 1.3 (0.9, 2.4) | 1.8 (0.9, 2.7) | 1.5 (0.9, 2.6) |
| *Tr. denticola* | 4.4 (2.8, 5.5) | 4.2 (2.5, 5.4) | 4.4 (3.1, 5.4) | 4.3 (2.8, 5.4) |
| *C. matruchotii* | **3.3 (1.6, 5.1)** | **2.9 (1.4, 4.6)** | **2.6 (1.2, 4.3)a** | 3.0 (1.4, 4.7) |
| *G. morbillorum* | 2.9 (1.5, 4.4) | 3.1 (1.5, 4.7) | 3.5 (2.0, 4.6) | 3.2 (1.6, 4.6) |
| *H. parainfluenzae* | 0.5 (0.3, 0.9) | 0.5 (0.3, 1.1) | 0.5 (0.3, 0.8) | 0.5 (0.3, 1.0) |
| *L. fermentum* | **1.7 (0.9, 2.9)** | **1.8 (0.8, 3.1)** | **2.2 (1.1, 3.4)b** | 1.8 (0.9, 3.1) |
| *L. rhamnosus* | 2.0 (1.1, 3.4) | 1.9 (1.0, 3.4) | 2.2 (1.2, 3.7) | 2.0 (1.1, 3.6) |
| *L. plantarum* | **1.8 (0.9, 3.2)** | **1.8 (0.9, 3.2)** | **2.5 (1.3, 3.5)a** | 1.9 (0.9, 3.3) |
| *Lep. buccalis* | 5.3 (3.8, 7.4) | 5.5 (3.7, 7.6) | 5.2 (3.9, 7.0) | 5.3 (3.8, 7.3) |
| *Pep. asaccharolyticus* | 6.5 (4.2, 8.7) | 6.7 (4.5, 8.7) | 6.1 (4.2, 8.5) | 6.5 (4.3, 8.7) |
| *R. dentocariosa* | 2.3 (1.3, 3.7) | 2.3 (1.1, 3.4) | 2.1 (1.2, 3.4) | 2.2 (1.2, 3.6) |
| *Sel. noxia* | 1.5 (0.8, 2.9) | 1.4 (0.7, 3.1) | 1.6 (0.8, 3.3) | 1.5 (0.8, 3.0) |
| *S. mutans* | 1.5 (0.8, 4.2) | 1.4 (0.7, 4.4) | 1.6 (0.8, 4.1) | 1.5 (0.7, 4.2) |
| *S. sobrinus* | 0.8 (0.5, 1.6) | 0.8 (0.6, 1.5) | 0.9 (0.5, 1.8) | 0.8 (0.5, 1.6) |
| *S. vestibularis* | 1.9 (1.0, 3.6) | 2.0 (1.0, 3.5) | 2.0 (1.2, 3.7) | 2.0 (1.0, 3.6) |

a P<0.05, b P<0.01, c P<0.001 d %TPC=percent total probe count, LQ=lower quartile, UQ=upper quartile