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| Table 1S. Relative abundance of microbial species by caries experience, supragingival of anterior 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* | 4.1 (3.2, 5.3) | 4.2 (3.1, 5.6) | 4.1 (3.1, 5.1) | 4.1 (3.2, 5.4) |
| *Ac. naeslundii* | 4.3 (3.2, 5.9) | 4.5 (2.9, 5.7) | 4.4 (3.2, 5.6) | 4.4 (3.2, 5.7) |
| *V. parvula* | 4.1 (1.7, 5.6) | 4.6 (2.1, 5.9) | 4.0 (2.3, 5.7) | 4.2 (2.0, 5.8) |
| *S. gordonii* | 3.0 (2.1, 4.0) | 3.1 (2.0, 4.0) | 3.0 (1.9, 4.0) | 3.0 (2.0, 4.0) |
| *S. intermedius* | 2.7 (1.8, 3.4) | 2.7 (1.9, 3.4) | 2.9 (1.9, 3.5) | 2.8 (1.8, 3.4) |
| *S. mitis* I | 4.2 (2.9, 5.9) | 4.0 (3.0, 5.7) | 4.0 (3.0, 5.2) | 4.1 (3.0, 5.6) |
| *S. mitis* II | 2.5 (1.4, 3.3) | 2.5 (1.3, 3.3) | 2.6 (1.8, 3.3) | 2.5 (1.4, 3.3) |
| *S. oralis* | 3.5 (2.3, 4.6) | 3.5 (2.5, 4.7) | 3.4 (2.6, 4.6) | 3.5 (2.4, 4.6) |
| *A. actinomycetemcomitans* | 3.7 (2.6, 4.7) | 3.8 (2.8, 4.8) | 3.6 (2.8, 4.6) | 3.7 (2.7, 4.7) |
| *Cap. gingivalis* | 4.7 (3.7, 6.1) | 4.6 (3.5, 6.2) | 4.6 (3.7, 5.5) | 4.6 (3.6, 5.9) |
| *E. corrodens* | 4.3 (3.3, 5.5) | 4.3 (3.6, 5.2) | 4.1 (3.2, 5.0) | 4.3 (3.4, 5.3) |
| *C. rectus* | 3.3 (2.2, 4.1) | 3.4 (2.3, 4.1) | 3.4 (2.5, 4.0) | 3.4 (2.3, 4.1) |
| *Pr. nigrescens/intermedia* | 4.4 (3.3, 5.8) | 4.6 (3.6, 5.9) | 4.5 (3.5, 5.6) | 4.5 (3.4, 5.7) |
| *M. micros* | **2.2 (1.2, 3.2)** | **2.1 (1.0, 3.1)** | **2.7 (1.5, 3.8)c** | 2.3 (1.2, 3.3) |
| *P. gingivalis* | 1.3 (0.7, 2.4) | 1.4 (0.8, 2.5) | 1.3 (0.9, 2.5) | 1.3 (0.8, 2.5) |
| *T. forsythia* | **2.3 (1.3, 3.1)** | **2.4 (1.4, 3.2)** | **2.6 (1.7, 3.4)b** | 2.5 (1.4, 3.2) |
| *Tr. denticola* | 3.8 (2.6, 4.8) | 3.7 (2.7, 4.6) | 3.6 (2.9, 4.4) | 3.7 (2.7, 4.7) |
| *C. matruchotii* | 2.3 (0.9, 3.7) | 2.5 (1.0, 3.8) | 2.2 (0.9, 3.8) | 2.3 (0.9, 3.7) |
| *G. morbillorum* | 3.3 (2.0, 4.2) | 3.3 (2.0, 4.3) | 3.4 (1.9, 4.2) | 3.3 (2.0, 4.2) |
| *H. parainfluenzae* | 1.0 (0.5, 1.8) | 1.2 (0.5, 2.0) | 1.1 (0.5, 1.8) | 1.0 (0.5, 1.9) |
| *L. fermentum* | 2.1 (1.2, 3.0) | 1.9 (1.1, 3.1) | 2.4 (1.1, 3.2) | 2.1 (1.1, 3.1) |
| *L. rhamnosus* | 2.4 (1.3, 3.4) | 2.3 (1.1, 3.5) | 2.6 (1.5, 3.6) | 2.4 (1.3, 3.5) |
| *L. plantarum* | 2.3 (1.0, 3.3) | 2.3 (1.1, 3.3) | 2.5 (1.2, 3.4) | 2.3 (1.1, 3.3) |
| *Lep. buccalis* | 4.2 (3.1, 5.5) | 4.3 (3.4, 5.7) | 4.3 (3.4, 5.4) | 4.3 (3.3, 5.6) |
| *Pep. asaccharolyticus* | 5.2 (3.8, 6.8) | 5.1 (3.8, 6.5) | 5.1 (3.9, 6.4) | 5.2 (3.8, 6.7) |
| *R. dentocariosa* | 3.6 (2.2, 4.9) | 3.5 (2.1, 4.6) | 3.5 (2.2, 4.4) | 3.5 (2.2, 4.7) |
| *Sel. noxia* | 1.6 (0.8, 3.0) | 1.8 (0.7, 3.3) | 1.4 (0.7, 2.8) | 1.6 (0.7, 3.0) |
| *S. mutans* | 2.3 (1.1, 4.1) | 2.2 (1.2, 4.2) | 2.7 (1.5, 4.2) | 2.4 (1.2, 4.1) |
| *S. sobrinus* | 1.2 (0.7, 2.0) | 1.2 (0.7, 2.2) | 1.6 (0.8, 2.3) | 1.2 (0.7, 2.2) |
| *S. vestibularis* | 3.2 (2.3, 4.2) | 3.2 (2.1, 4.2) | 3.2 (2.4, 4.0) | 3.2 (2.3, 4.2) |

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