

Resource Summary Report

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expanded Human Oral Microbiome Database

RRID:SCR_025964

Type: Tool

Proper Citation

expanded Human Oral Microbiome Database (RRID:SCR_025964)

Resource Information

URL: <https://www.homd.org/>

Proper Citation: expanded Human Oral Microbiome Database (RRID:SCR_025964)

Description: Provides comprehensive curated information on bacteria in human mouth and aerodigestive tract, including pharynx, nasal passages, sinuses and esophagus. eHOMD taxonomy provides provisional naming scheme for currently unnamed taxa, based on 16S rRNA sequence phylogeny, so that strain, clone and probe data from any laboratory can be directly linked to a stably named reference scheme.

Abbreviations: eHOMD

Resource Type: data or information resource, database

Keywords: curated information, bacteria in human mouth and aerodigestive tract, bacteria, human mouth, aerodigestive tract, pharynx, nasal passages, sinuses, esophagus,

Funding: NIDCR RO1 DE016937

Availability: Free, Freely available,

Resource Name: expanded Human Oral Microbiome Database

Resource ID: SCR_025964

Record Creation Time: 20241023T053303+0000

Record Last Update: 20260811T043800+0000

Ratings and Alerts

No rating or validation information has been found for expanded Human Oral Microbiome Database.

No alerts have been found for expanded Human Oral Microbiome Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 70 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Rajan N, et al. (2026) Characterizing the salivary RNA landscape to identify potential diagnostic, prognostic, and follow-up biomarkers for breast cancer. *Molecular oncology*, 20(2), 282.

Ozkul C, et al. (2026) Oral-Gut Microbiome Axis in Crohn's Disease: A Potential Role of Ectopic Colonization. *Microorganisms*, 14(4).

Giacomini JJ, et al. (2026) Spatial ecology of the *Capnocytophaga* genus in the human oral cavity. *Microbiology spectrum*, 14(6), e0362625.

Zhai Y, et al. (2026) Analysis of salivary metabolites and microbial characteristics in patients with dental fluorosis. *Clinical oral investigations*, 30(6).

Kommedal Ø, et al. (2026) *Fusobacterium abscessus* sp. nov., associated with brain abscess in humans. *International journal of systematic and evolutionary microbiology*, 76(6).

Murmu M, et al. (2026) Comparative Analysis of Oral Microbiome in Indian Type 2 Diabetes Mellitus (T2DM) and Periodontitis Cohorts. *Diseases (Basel, Switzerland)*, 14(2).

Theodorea CF, et al. (2026) The role of *Veillonella* species in oral carcinogenesis: is prevalence linked to oral squamous cell carcinoma? *Frontiers in oral health*, 7, 1740043.

Bujaldón R, et al. (2026) Subgingival microbiome and adjunctive use of probiotics in the treatment of periodontitis in patients with diabetes: a secondary analysis of a randomized clinical trial. *Journal of oral microbiology*, 18(1), 2624894.

Kawano A, et al. (2026) Effects of Initial Periodontal Therapy on Intraoral Bacterial Flora in Patients With Oral Contraceptive-Related Severe Gingivitis. *Case reports in dentistry*, 2026, 5078642.

Wang Q, et al. (2026) Assessing links between dental fluorosis and oral/systemic health via salivary microbiome in Chinese young adults. *International dental journal*, 76(3), 109461.

Mulay SA, et al. (2025) BONCAT-Live for isolation and cultivation of active environmental bacteria. *mBio*, 16(11), e0238925.

Mulay SA, et al. (2025) BONCAT-Live for isolation and cultivation of active environmental microbes. *bioRxiv : the preprint server for biology*.

Zang T, et al. (2025) Structural and functional changes in the oral microbiome of patients with craniofacial microsomia. *Scientific reports*, 15(1), 5400.

Zhu B, et al. (2025) Microbial hallmarks of the respiratory tract in lung cancer: a meta-analysis. *Frontiers in microbiomes*, 4, 1589686.

Ordaz-Robles ER, et al. (2025) Differential Oral Microbiota and Serum Cytokine Signatures in Age-Grouped Patients with Marfan Syndrome. *Biomedicines*, 13(2).

Sheehan DH, et al. (2025) Altered Bacteria Abundance Is Associated With Outcomes in Head and Neck Squamous Cell Carcinoma. *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*, 173(2), 420.

Dhaked HP, et al. (2025) Complete genome sequence of *Rothia mucilaginosa* D1, a genetically amenable strain. *Microbiology resource announcements*, 14(11), e0056425.

Olate P, et al. (2025) The Infant Oral Microbiome: Developmental Dynamics, Modulating Factors, and Implications for Oral and Systemic Health. *International journal of molecular sciences*, 26(16).

Franco-Duarte R, et al. (2025) Oral-associated bacteria in the gut microbiome of individuals with type 2 diabetes: a secondary analysis of metagenomic data. *BMC oral health*, 25(1), 1915.

Vásquez-Toasa P, et al. (2025) Oral Microbiome and Edentulism During Pregnancy: 16S rRNA Gene Analysis of an Indigenous Community-A Pilot Study. *Microorganisms*, 13(9).