

Supplementary Material

Applied Microbiology and Biotechnology

Distinct oral and fecal microbiota composition in preschool children with overweight/obesity: a cross-sectional study

Hanguo Feng^{1,2,3}, Xinyi Zeng⁴, Siyuan Yu^{1,2}, Qi Sun^{1,2}, Guiding Li^{1,2}, Yanhong Li^{1,2}, Juan Liu^{1,2*}, Nanquan Rao^{1,2*}

¹Yunnan Key Laboratory of Stomatology, School of Stomatology, Kunming Medical University, Kunming 650106, China

²Department of Pediatric Dentistry, The Affiliated Stomatology Hospital, Kunming Medical University, Kunming 650106, China

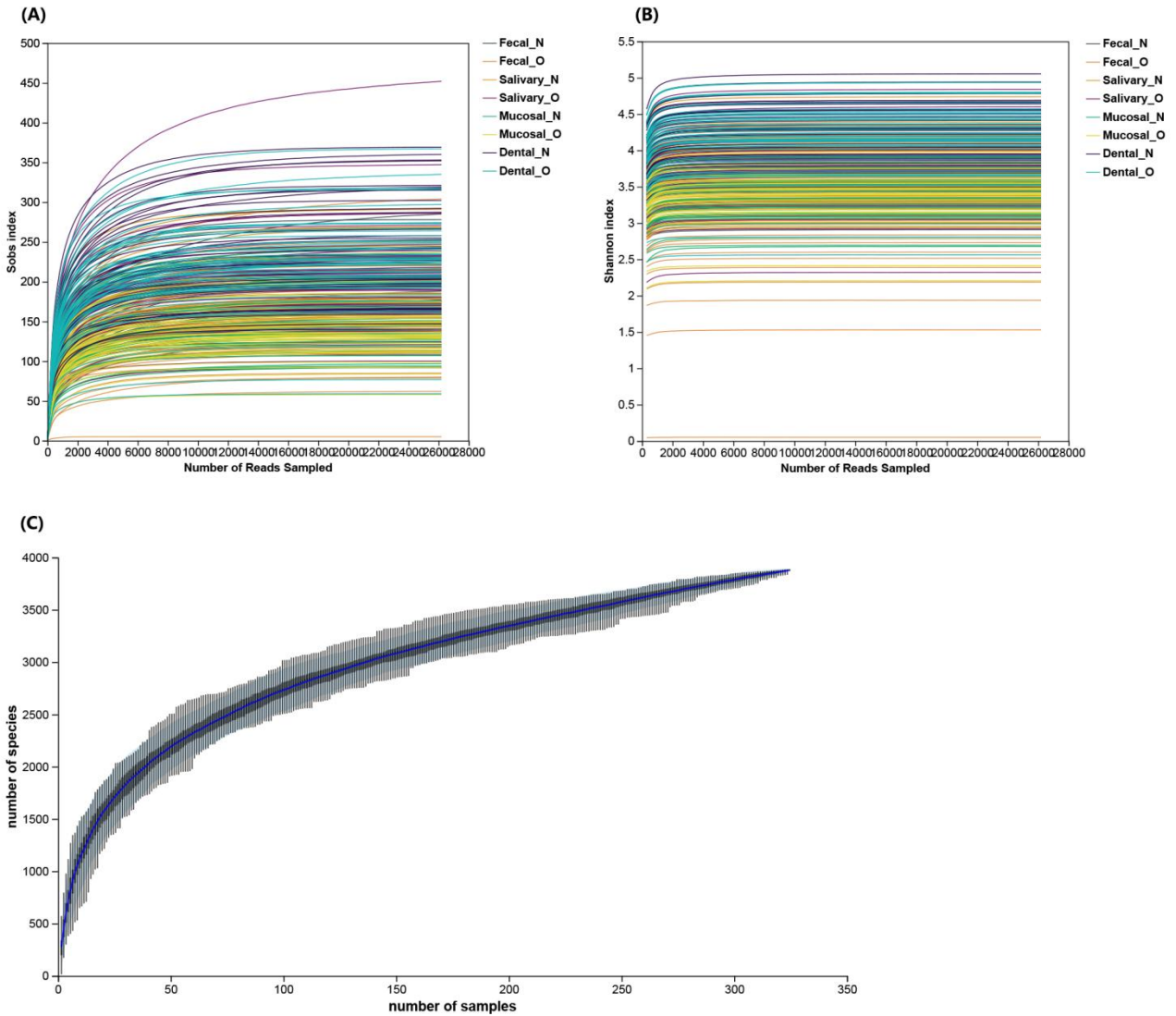
³Baoshan City People's Hospital, Baoshan 678000, Yunnan, China

⁴Anning Maternity and Child Care Hospital/ Anning City Maternal and Child Health Care & Family Planning Service Center, Kunming, Yunnan, China

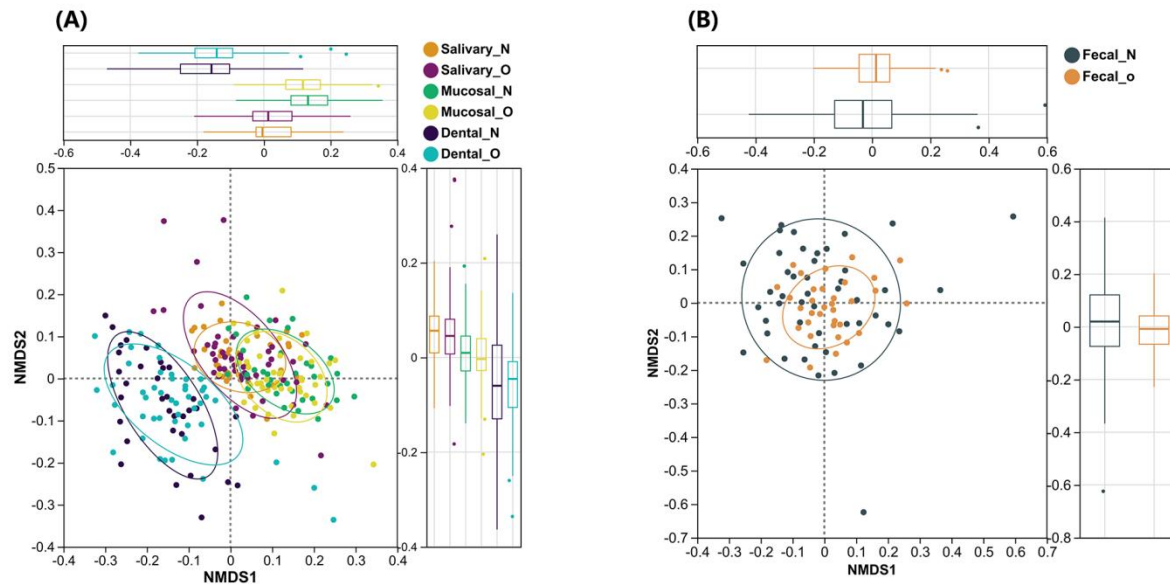
*** Correspondence:**

Juan Liu; Nanquan Rao

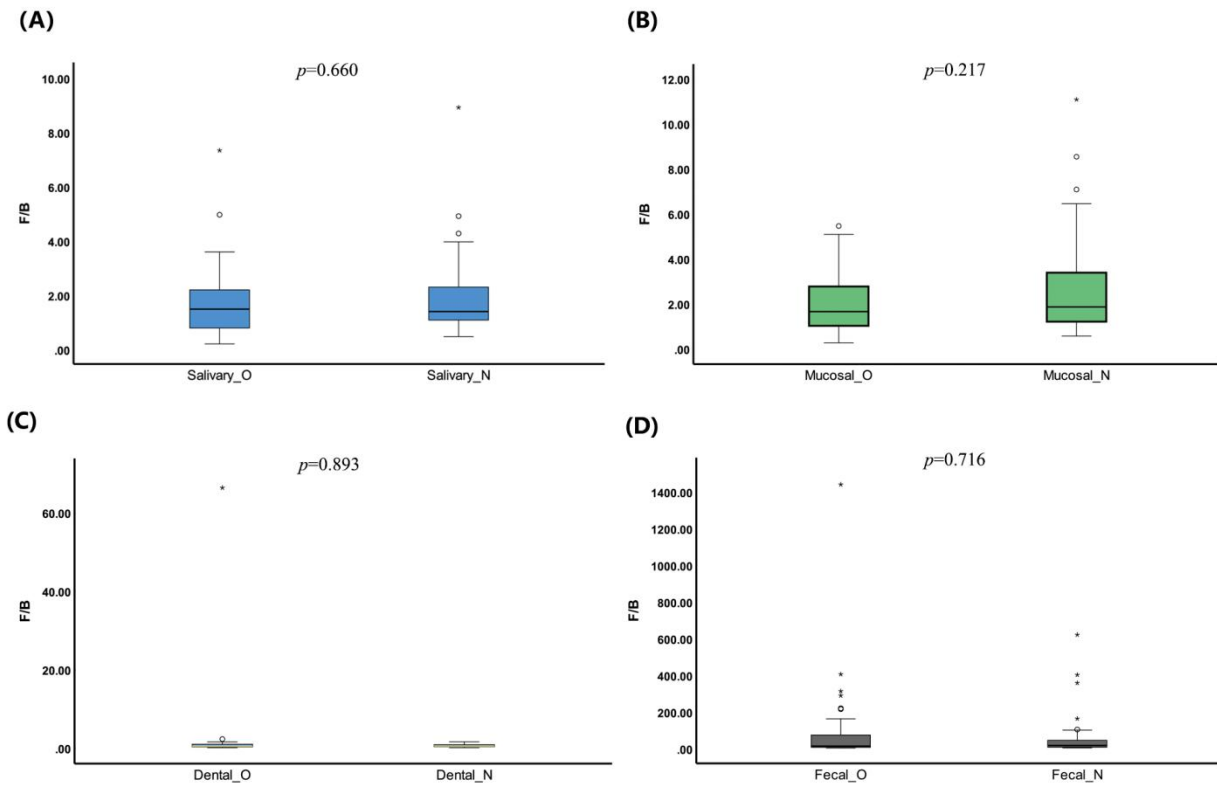
raonanquan@kmmu.edu.cn; liujuan@kmmu.edu.cn



Supplemental Fig. S1 Rarefaction curves based on the Sobs index (A), Shannon curves based on the Shannon index (B), and species accumulation curves (C) between the obesity/overweight group and the control group.



Supplemental Fig. S2 Non-metric multidimensional scaling (NMDS) based on unweighted UniFrac distances at ASV level of oral samples (A) and fecal samples (B).



Supplemental Fig. S3 The *Firmicutes/Bacteroidetes* (F/B) ratio comparison between the obesity/overweight group and the control group in saliva samples (A), oral mucosal samples (B), dental samples (C), and fecal samples (D) based on Mann-Whitney *U*-test.