



Figure S2: Results from prior predictive checks of Normal, Student-T, and Dirichlet distributions for each food item. The box plots represent the empirical count of each ranking for each food item (n=89 total). The point intervals represent the 89% probability intervals of the prior distributions. The Normal and Student-T distributions that best match the empirical counts of each food item ranks are shown, and are used for each tooth metric for each food item, then compared using Leave One Out Cross Validation.