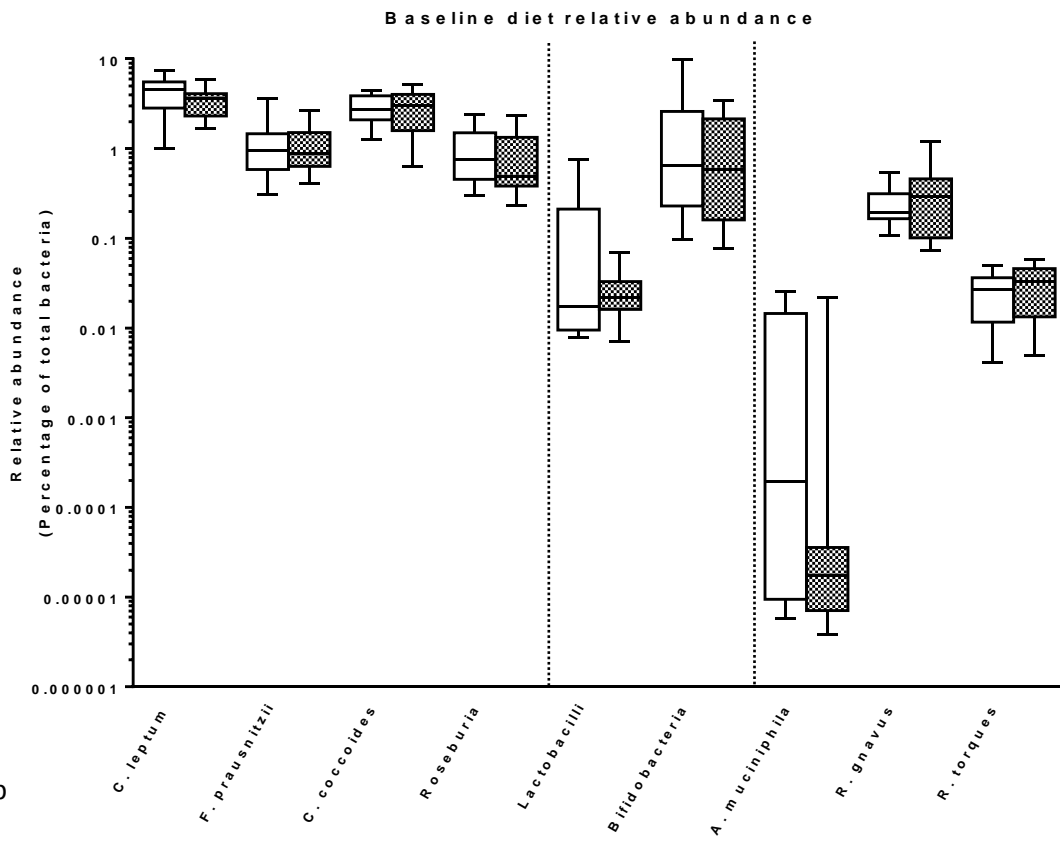
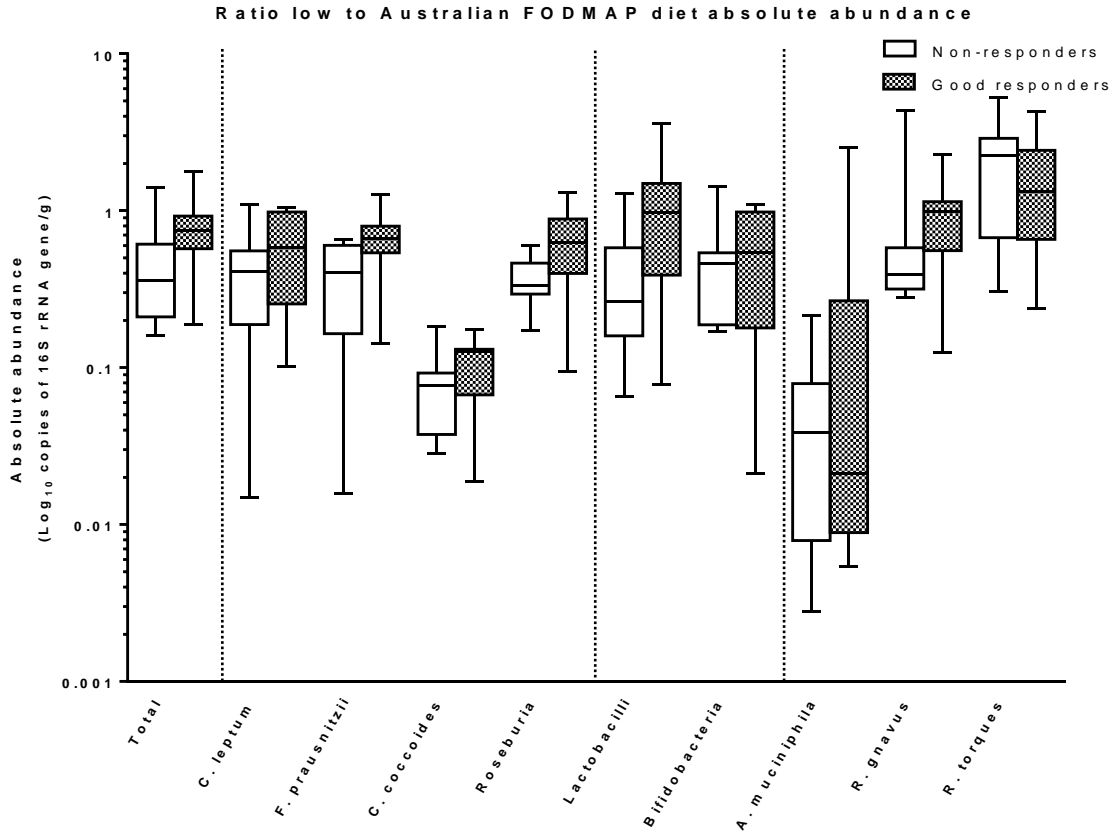


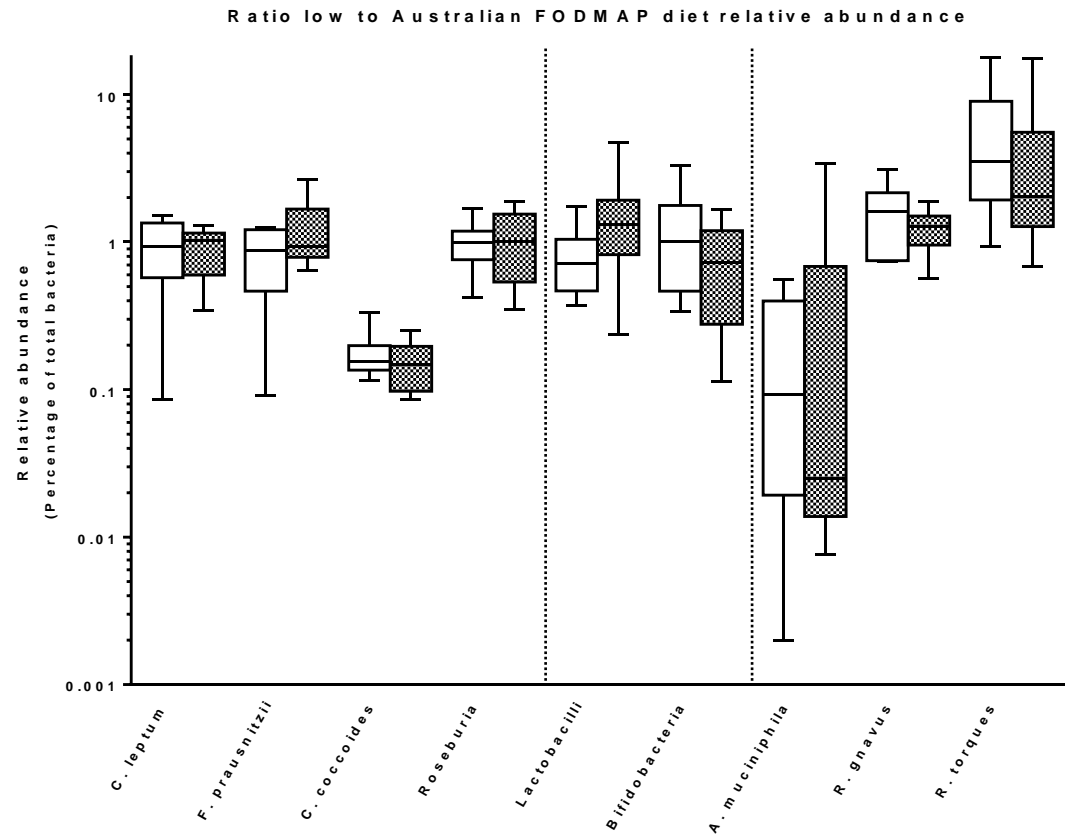
a



b



C



d

Supplement 3. Bacterial abundance of subjects with IBS categorised as non-responders and good responders based on mean overall gastrointestinal symptom scores over the last 14 days of each interventional diet measured by 100 mm visual analogue scale⁶. Non-responders were classified as less than 10 mm symptom score on low FODMAP diet below the typical Australian diet (n = 9) and good responders were arbitrarily defined as greater than 20 mm symptom score while on low FODMAP below the typical Australian diet (n = 11). Data are presented as absolute and relative bacterial abundance during baseline diet (a and b respectively) and change of absolute and relative abundance on provided low FODMAP and typical Australian diets (c and d respectively). There were no differences in bacterial abundance between non-responders and good responders (Mann-Whitney test with Bonferroni correction; $P \leq 0.005$ absolute and $P \leq 0.006$ relative bacterial abundance).