



**Figure S4** Correlation of allele frequencies between replicates. The heat map shows the Pearson correlation coefficient for each pairwise contrast of the difference between baseline and evolved frequencies, for the six replicates, from zero (white) to 1 (black). All alleles that passed the QC cut-offs (minimum depth 150, Q30) were included. Clustering of these correlations confirms that the two pairs of diets for the same replicate are closer to one another than to the other diets, and that the two high calorie diets (high fat and high sugar) are more similar than the low sugar diet.