



**Suppl. Figure 8. Statistical power to detect associations between host genetics and faecal metabolites. A.** Power to detect associations dependent on sample size ( $\alpha = 3.14e^{-10}$ , variance explained by genetic effect ( $h^2$ ) = 0.08). **B.** Sample size to detect associations dependent on  $h^2$  considering different degrees of missingness from 10%–100% across all samples ( $\alpha = 3.14e^{-10}$ , power = 0.8).