**Supplementary figure 3:** Relationship between genetically-determined vitamin D and MS. **(a)** Leave one out analysis showing IVW estimates with each named SNP excluded from the analysis. **(b)** Funnel plot showing 1/SE and betas for each SNP included in the analysis.

**(c)** Scatter plot showing individual SNP associations (beta coefficients) with the exposure (natural-log-transformed vitamin D) and the outcome (MS risk).

