Supplementary material

The contribution of mate-choice, couple convergence and confounding to assortative mating: supplementary information

Diagram

Description automatically generated

**Supplementary Figure 1:** Flow chart shows a summary of the couple determination and selection in the UKBB.

Chart, scatter chart

Description automatically generated

**Supplementary Figure 2:** Scatter plot shows Spearman correlation versus Pearson correlation for each trait considered (n = 1278), color coded according to variable type. Consistent correlation estimates were obtained regardless of variable type.

Diagram

Description automatically generated

**Supplementary Figure 3:** Flow chart shows a summary of the phenotype selection included in the pipeline, resulting in 118 phenotypes for analysis. SGG refers to the Statistical Genetics Group, data was used from the corresponding internal UKBB database under application number #16389.

Supplementary Table Descriptions

**Supplementary Table 6:** Cross trait associations are pruned such that pair A-B and C-D and if max(corr(A,C)\*corr(B,D),corr(A,D)\*corr(B,C)) > 0.8 then one pair is dropped, prioritized by lower .