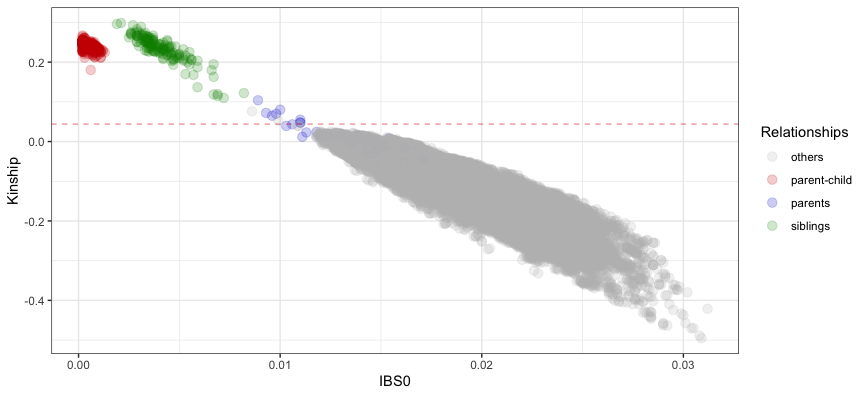


**Figure S1:** **Co-morbidities of Autism**. Frequency of co-occurrence of phenotypes in individuals with ASD



**Figure S2: Pairwise relationship of individuals.** Related parents are in blue and above the threshold of kinship (>0.044) (dashed red line).

Chart, scatter chart

Description automatically generated

**Figure S3: Inbreeding coefficient (F).** Per sample estimate of inbreeding of all individuals included. Individuals from inbred families are in blue.

Chart

Description automatically generated

**Figure S4: Sanger Sequencing.** Validation of de novo variants