

**Table S-1. Subject quality control.**

<b>Inclusion/exclusion step</b>	<b>N, subjects</b>
Initially available (genotyped on the EUR chip)	62,318
Excluded, ambiguous SNP-estimated sex	55
Excluded, subject call rate < 95%	0
Excluded, relatedness; $\pi$ -hat $\geq$ 0.20	16,457
Excluded, race not reported as "white" and/or European principal components not available	398
Excluded, PCA outliers	237
Remaining for inclusion in disease-specific analyses	45,171

Quality control steps were applied sequentially, in the order indicated from top to bottom.