**A**

**Sample-level filtering**

Initial sample

n = 487'409

Ambiguous sex

n = 85

SNPs after removing duplicates

p = 728'005

Sample after ambiguous sex filtering

n = 487'324

Inclusion criteria

n = 57’450

SNPs after call-rate filtering

p = 728'005

Sample after filtering based on UK Biobank data-fields

n = 429'874

Call-rate < 95%

n = 0

SNPs after LD pruning, MAF and HWE filtering

p = 62’737

Sample after call-rate filtering

n = 429'874

**B**

**SNP-level filtering**

MAF < 1%

r2 < 0.04

HWE > 10-6

p = 665’268

Duplicates

p = 2'145

Call-rate < 95%

p = 0

Initial SNPs

p = 730’150