

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Cohort descriptives for participants included in analyses from UK Biobank, All of Us and TOPMed

File Name: Supplementary Data 2

Description: List of known SNPs used for adjustment in association analyses

File Name: Supplementary Data 3

Description: Novel single variants associated with height identified in discovery analysis of UK Biobank

File Name: Supplementary Data 4

Description: Genome annotations of novel single variants associated with height

File Name: Supplementary Data 5

Description: Replication results from All of Us and TOPMed of novel height-associated single variants

File Name: Supplementary Data 6

Description: Coding aggregate associations identified in UK Biobank discovery analysis of height

File Name: Supplementary Data 7

Description: Non-coding aggregate associations identified in UK Biobank discovery analysis of height

File Name: Supplementary Data 8

Description: Single variant associations ($MAC \geq 5$) contributing to the *HMGAI* upstream non-coding aggregate association

File Name: Supplementary Data 9

Description: Single variant associations ($MAC \geq 5$) contributing to the *C17orf49* downstream non-coding aggregate association

File Name: Supplementary Data 10

Description: Association statistics for non-coding aggregates in the *C17orf49* locus

File Name: Supplementary Data 11

Description: Single variant associations ($MAC \geq 5$) contributing to the *GHI* upstream non-coding aggregate association

File Name: Supplementary Data 12

Description: Replication results from All of Us and TOPMed of the *C17orf49* and *GHI* aggregate associations

File Name: Supplementary Data 13

Description: A full list of genomic annotations tested as aggregates