

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Genetic loci associated with the mean of 79 longitudinal traits

File Name: Supplementary Data 2

Description: Genetic loci associated with the within-subject variability of 79 longitudinal traits

File Name: Supplementary Data 3

Description: Genetic loci exclusively identified by $SPA_{GRM(CCT)}$ compared with SPA_{GRM} that are associated with the mean and within-subject variability of three representative longitudinal traits

File Name: Supplementary Data 4

Description: Exact p values of power simulations corresponding to Supplementary Table 1

File Name: Supplementary Data 5

Description: Exact p values of power simulations corresponding to Supplementary Table 5