

**Table S3.** The distribution of cumulative explained variance.

Female		Male	
Components number	Variance explained (%)	Components number	Variance explained (%)
1 comps	33.76	1 comps	28.23
2 comps	42.87	2 comps	50.06
3 comps	57.97	3 comps	62.14
8 comps	81.28	8 comps	80.52
18 comps	89.97	19 comps	89.82
19 comps	90.39	20 comps	90.56
33 comps	94.92	33 comps	94.96
34 comps	95.22	34 comps	95.14
39 comps	95.88	39 comps	95.85
40 comps	95.98	40 comps	95.95