

### **Supplemental Table S3: Summarization of Eigen values in the Principal Component Analysis**

PCs	F1	F2	F3	F4	F5	F6	F7
Eigenvalue	5.102	2.333	1.678	1.415	1.389	1.070	0.869
Variability (%)	30.011	13.725	9.873	8.321	8.170	6.293	5.111
Cumulative (%)	30.011	43.736	53.609	61.930	70.100	76.394	81.505