

**Table S8. Analysis of changes in the VDJ rearrangement pattern distribution by entropy in the young adults.**

isotypes	correlation	p-value
IgA1	0.05655	0.89419
IgA2	0.10641	0.80198
IgD	-0.24102	0.56528
IgE	0.59089	0.40911
IgG1	-0.28189	0.49879
IgG2	-0.05481	0.89744
IgG3	-0.22140	0.59825
IgG4	-0.07953	0.88096
IgM	-0.58855	0.12482