

**Table S9. Analysis of changes in the VDJ rearrangement pattern distribution by entropy in the elderly.**

<b>isotypes</b>	<b>correlation</b>	<b>p-value</b>
IgA1	-0.74272	0.09077
IgA2	-0.64811	0.16395
IgD	0.94074	0.00516
IgE	-0.67353	0.32647
IgG1	-0.31234	0.54673
IgG2	-0.92320	0.00862
IgG3	-0.40495	0.42578
IgG4	NA	NA
IgM	0.84451	0.03439