

Supplementary table S1. Eigenvalues and percentage of variance explained by each principal component for ventral and dorsal anchors

Ventral anchors	Eigenvalues	% Variance	Cumulative %
PC 1	0.02682284	49.802	49.802
PC 2	0.01544668	28.680	78.482
PC 3	0.00638345	11.852	90.335
PC 4	0.00259704	4.822	95.156
PC 5	0.00105603	1.961	97.117
PC 6	0.00075425	1.400	98.518
PC 7	0.00051746	0.961	99.478
PC 8	0.00014575	0.271	99.749
PC 9	0.00013515	0.251	100.000

Dorsal anchors	Eigenvalues	% Variance	Cumulative %
PC 1	0.02275024	58.642	58.642
PC 2	0.00763765	19.687	78.329
PC 3	0.00507226	13.074	91.403
PC 4	0.00191043	4.924	96.328
PC 5	0.00055055	1.419	97.747
PC 6	0.00032501	0.838	98.585
PC 7	0.00024599	0.634	99.219
PC 8	0.00019878	0.512	99.731
PC 9	0.00010430	0.269	100.000