

## SUPPLEMENTARY MATERIAL S3

**TABLE S3** | Neutrality tests and mismatch distribution statistics of *Pseudobatos horkelii* and *P. percellens*, based on D-loop. Tajima (D), Fu's ( $F_s$ ), Sum of Square Deviation (SSD), Raggedness index (R).

Specie	Locality / Group AMOVA	Neutrality index				Mismatch distribution			
		D	p value	$F_s$	p value	SSD	p value	R	p value
<i>Pseudobatos horkelii</i>	AR	-0.2784	0.5830	0.4947	0.5830	0.0085	0.7400	0.0817	0.6900
	RS	1.3438	0.4670	-0.6266	0.4670	0.0157	0.0500	0.0418	0.0700
	SC	0.8400	0.9060	2.2793	0.9060	0.0114	0.6600	0.0517	0.6800
	PR	2.4080	0.9900	5.1626	0.9900	0.3121	0.1000	0.7866	0.0000
	SP3	1.1670	0.9770	3.7551	0.9770	0.1032	0.1400	0.2026	0.2600
	RJ	-0.5133	0.7510	1.0282	0.7510	0.0394	0.9900	0.1274	0.9900
	All samples	0.9929	0.7243	2.0155	0.7790	0.0817	0.4316	0.2153	0.44833
	AR, RS, SC, PR SP3, RJ	1.7818 2.6864	0.9050 0.9880	-0.5577 4.2981	0.5930 0.9910	0.0088 0.0623	0.6300 0.0400	0.0183 0.1033	0.8300 0.1100
<i>Pseudobatos percellens</i>	SC	1.4306	0.8620	1.8412	0.8620	0.0261	0.0900	0.2410	0.0900
	PR	-0.6982	0.1900	-0.2834	0.1900	0.0210	0.4800	0.1017	0.6800
	SP1	0.6608	0.5380	0.4145	0.5380	0.3190	0.1900	0.6020	0.0100
	SP2	1.0658	0.5980	1.0032	0.5980	0.1487	0.2100	0.5401	0.1600
	SP3	0.1521	0.1220	-1.2113	0.1220	0.2039	0.0800	0.3103	0.1080
	All samples	0.5222	0.6720	0.3528	0.4620	0.01785	0.2890	0.3890	0.2590
	SC, PR	-0.2332	0.4270	0.2740	0.5650	0.3202	0.2200	0.1946	0.7600
	SP1, SP2, SP3	0.6642	0.7800	-1.3377	0.2280	0.0134	0.0100	0.1311	0.0100



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