Supplementary material

Table S1. Multiple comparisons of $\delta^{13}C$ between individuals of the scalloped hammerhead *Sphyrna lewini* obtained from the application of the Dunn's test.

Individuals	SL1	SL2	SL3	SL4	SL5	SL6	SL7	SL8	SL9	SL10	SL11	SL12	SL13	SL14	SL15	SL16
SL1	–															
SL2	0.81	–														
SL3	0.06	0.07	–													
SL4	0.73	0.53	**0.01**	–												
SL5	0.45	0.59	0.18	0.21	–											
SL6	0.52	0.67	0.16	0.27	0.92	–										
SL7	0.63	0.80	0.11	0.36	0.77	0.85	–									
SL8	0.72	0.51	**0.008**	0.99	0.19	0.25	0.34	–								
SL9	0.32	0.43	0.32	0.14	0.77	0.70	0.57	0.12	–							
SL10	0.61	0.79	0.09	0.34	0.77	0.85	0.99	0.31	0.56	–						
SL11	**0.03**	0.50	0.77	**0.006**	0.11	0.10	0.07	**0.004**	0.21	0.06	–					
SL12	0.67	0.47	**0.008**	0.92	0.18	0.23	0.31	0.92	0.11	0.29	**0.004**	–				
SL13	0.06	0.80	0.98	**0.01**	0.18	0.17	0.12	**0.008**	0.33	0.10	0.75	**0.008**	–			
SL14	0.31	0.41	0.30	0.12	0.75	0.69	0.55	0.11	0.99	0.54	0.19	0.10	0.31	–		
SL15	0.34	0.20	**0.001**	0.51	0.05	0.07	**0.11**	0.49	**0.03**	0.89	**0.000**	0.57	**0.000**	**0.02**	–	
SL16	0.40	0.53	0.21	0.18	0.92	0.85	0.70	0.16	0.84	0.69	0.13	0.15	0.22	0.83	**0.04**	–

Values in bold represent significative differences

Table S2. Multiple comparisons of $\delta^{15}N$ between individuals of the scalloped hammerhead *Sphyrna lewini* obtained from the application of the Dunn's test.

Individuals	SL1	SL2	SL3	SL4	SL5	SL6	SL7	SL8	SL9	SL10	SL11	SL12	SL13	SL14	SL15	SL16
SL1	–															
SL2	0.81	–														
SL3	0.06	0.08	–													
SL4	0.73	0.53	0.10	–												
SL5	0.45	0.59	0.18	0.21	–											
SL6	0.52	0.67	0.16	0.27	0.92	–										
SL7	0.63	0.80	0.11	0.36	0.77	0.85	–									
SL8	0.72	0.51	**0.01**	0.99	0.19	0.25	0.34	–								
SL9	0.32	0.43	0.32	0.14	0.77	0.70	0.57	0.12	–							
SL10	0.61	0.79	0.10	0.33	0.77	0.85	0.99	0.31	0.56	–						
SL11	**0.04**	0.05	0.77	**0.01**	0.11	0.10	0.07	**0.00**	0.21	0.06	–					
SL12	0.66	0.47	**0.01**	0.92	0.18	0.23	0.31	0.92	0.11	0.29	**0.00**	–				
SL13	0.06	0.08	0.98	0.01	0.18	0.17	0.12	**0.01**	0.33	0.10	0.75	**0.01**	–			
SL14	0.31	0.41	0.30	0.12	0.75	0.69	0.55	0.11	0.99	0.54	0.19	0.10	0.31	–		
SL15	0.35	0.20	**0.01**	0.51	0.05	0.07	0.11	0.49	**0.03**	0.09	**0.00**	0.57	**0.00**	**0.02**	–	
SL16	0.40	0.53	0.21	0.18	0.92	0.85	0.70	0.16	0.84	0.69	0.13	0.15	0.22	0.83	**0.04**	–

Values in bold represent significative differences

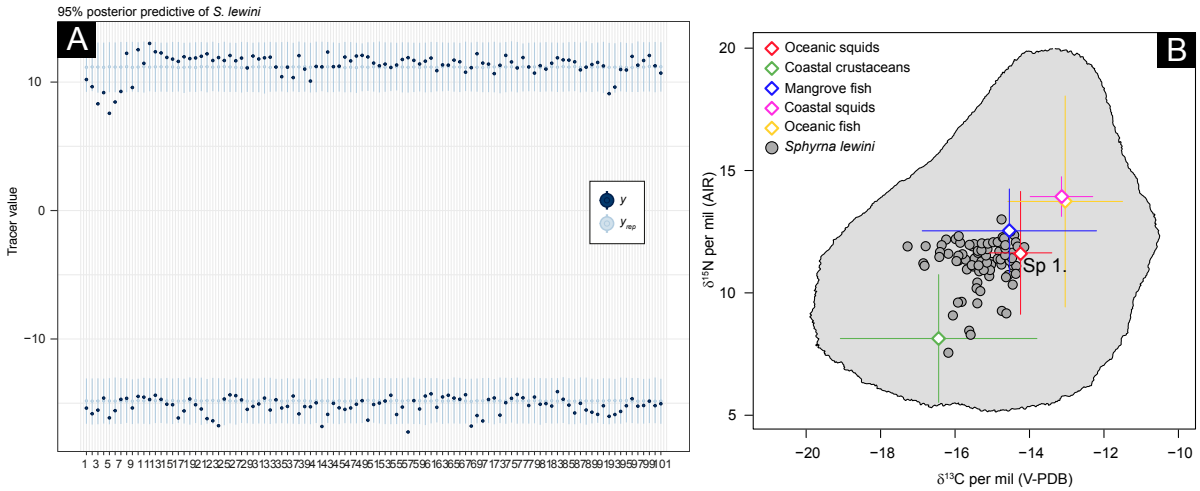

Fig. S1. A. The fit model with a 95% posterior predictive. **B.** Isotopic values of *Sphyrna lewini* within the mixing polygon at 1% (black line and grey area) generated from the multiple mixing polygons, adjusted according to five groups of prey (oceanic squid, coastal crustaceans, mangrove fish species, coastal squid and oceanic fish species) and the specific trophic discrimination factor for vertebrates obtained from the lemon shark ($\Delta^{13}C = 3.75 \pm 0.44‰$ and $\Delta^{15}N = 1.45 \pm 0.61‰$; Hussey et al. 2010).

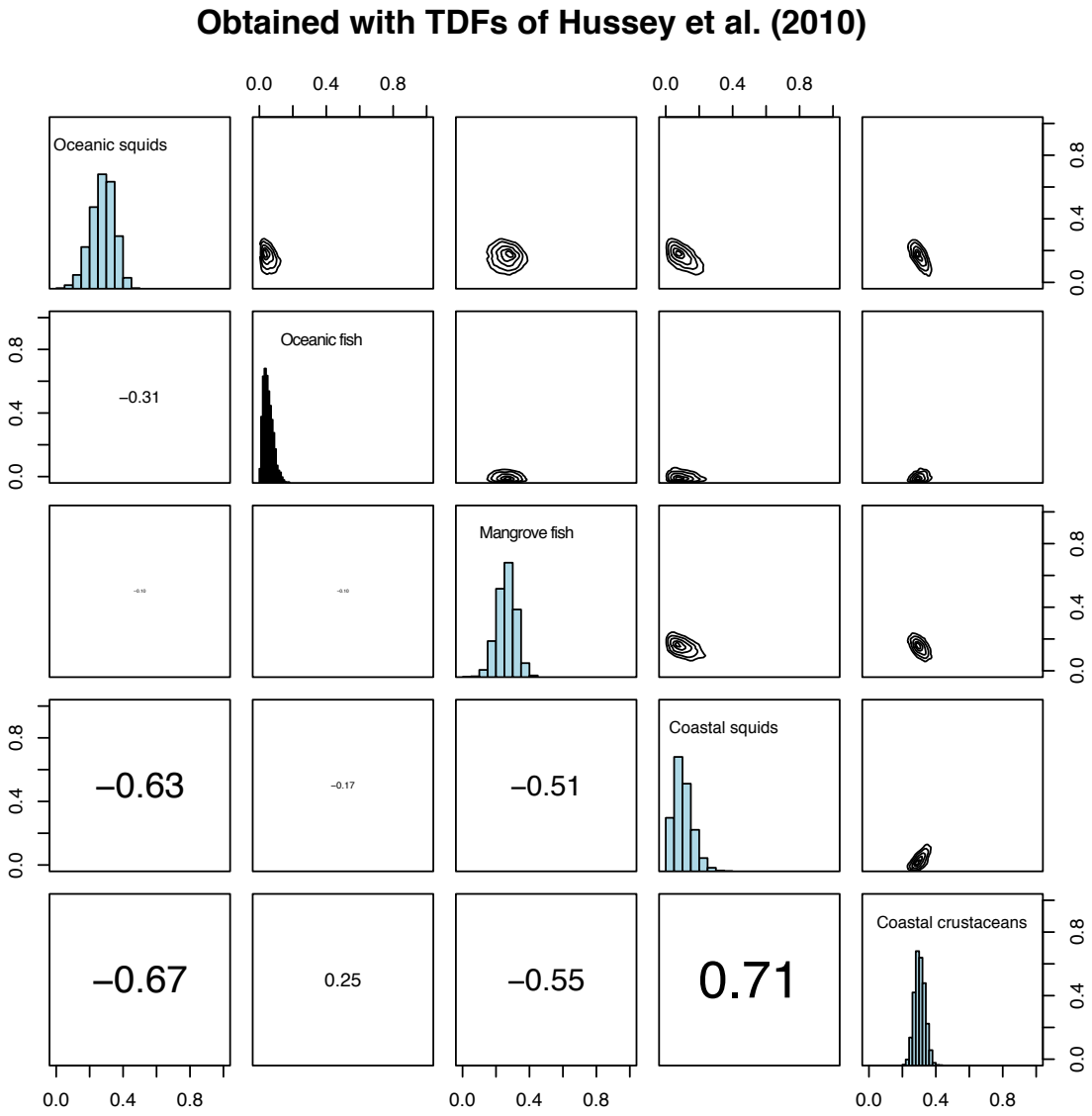

Fig. S2. Relationship and the correlation between the sources used in the application of mixing model for scalloped hammerhead shark *Sphyrna lewini* based on five groups of prey (oceanic squid, coastal crustaceans, mangrove fish species, coastal squid and oceanic fish species) and the specific trophic discrimination factor for vertebrates obtained from the lemon shark x*Negaprion brevirostris* ($\Delta^{13}C = 3.75 \pm 0.44‰$ and $\Delta^{15}N = 1.45 \pm 0.61‰$; Hussey et al. 2010).

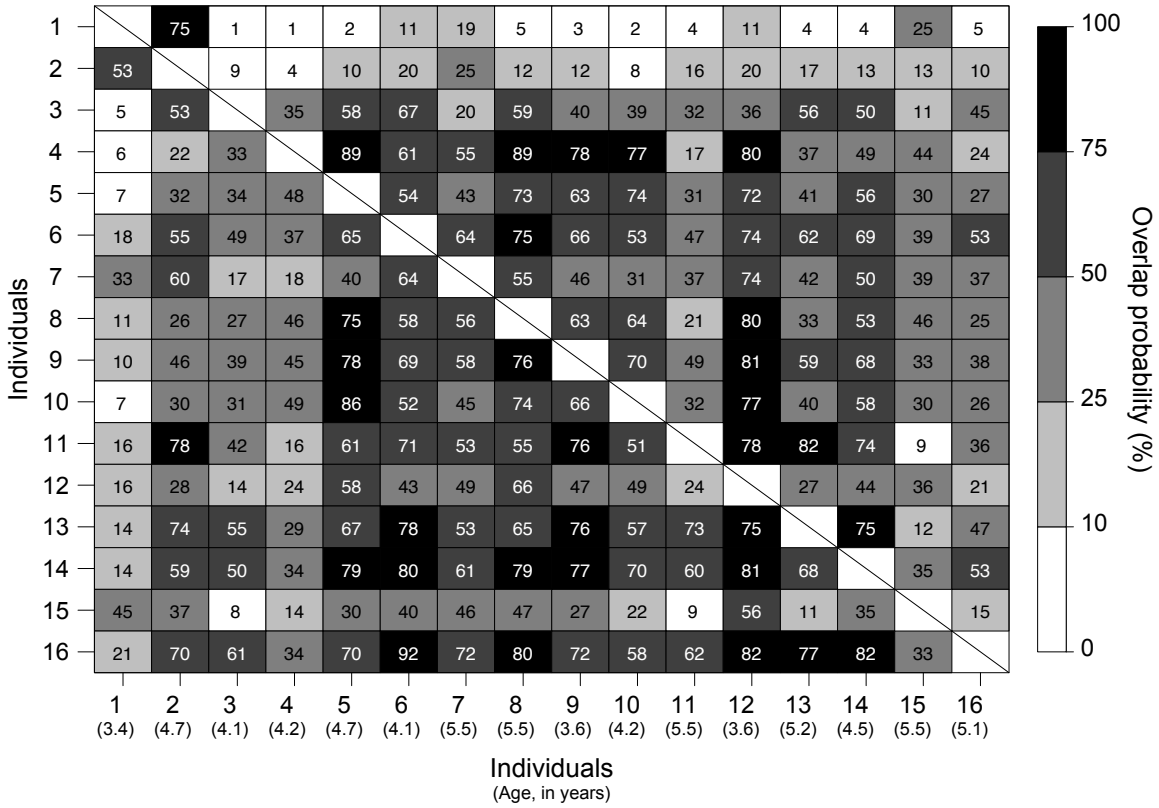

Figure S3. Isotopic overlap between individuals of the scalloped hammerhead shark *Sphyrna lewini* around Malpelo Island, represented in percentage values of overlap probability in a bidirectional manner (e.g., *x* vs *y* and *y* vs *x*).

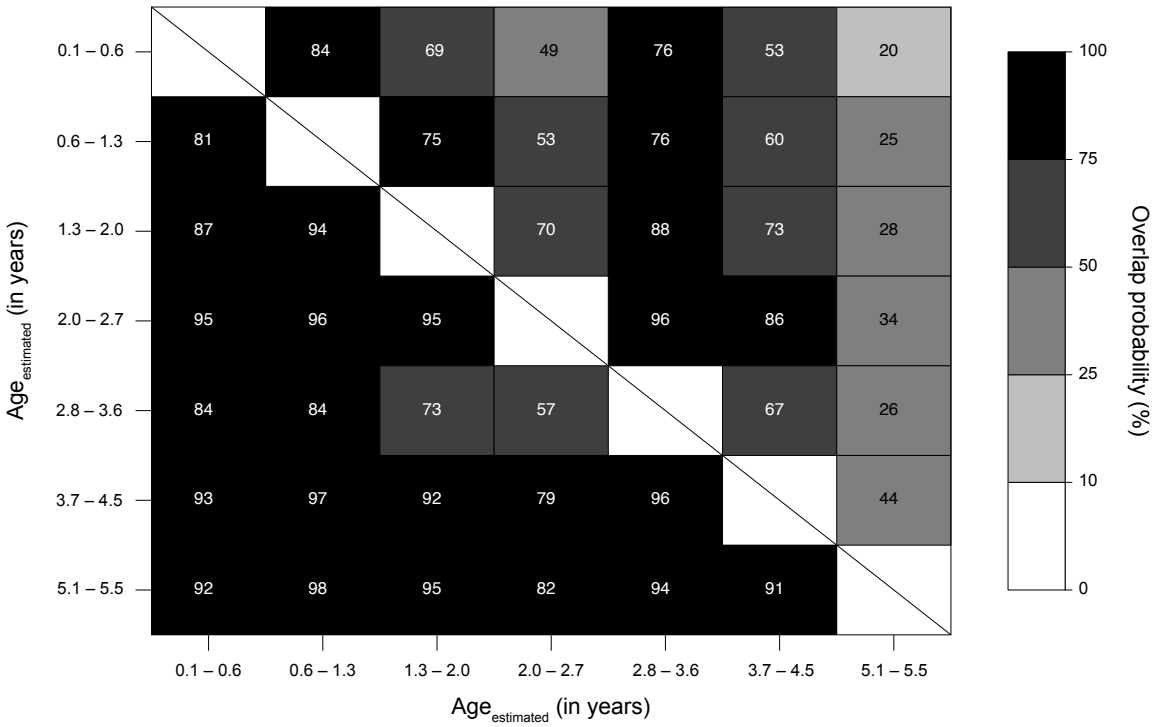

Figure S4. Isotopic overlap between estimated ages of the scalloped hammerhead shark *Sphyrna lewini* around Malpelo Island, represented in percentage values of overlap probability in a bidirectional manner (e.g., *x* vs *y* and *y* vs *x*).

LITERATURE CITED

Hussey NE, Brush J, McCarthy ID, Fisk AT (2010) $\delta^{15}N$ and $\delta^{13}C$ diet–tissue discrimination factors for large sharks under semi-controlled conditions. Comp Biochem Physiol A 155:445–453 https://doi.org/10.1016/j.cbpa.2009.09.023