

S2 Table: **Microsatellite and mtDNA population genetic distances (F_{ST}) without suspected hybrids.**

Localities	GME_Faeroe I.	GME_Iberian P.	GMA_Canary I.	GMA_Azores I.	GMA_ F. Polynesia
GME_Faeroe I.	-	-0.0239	0.1601	0.1829	0.1160
GME_Iberian P.	0.0739	-	0.1713	0.1957	0.1425
GMA_Canary I.	0.9627	0.9284	-	0.0088	0.1028
GMA_Azores I.	0.9666	0.9273	-0.0221	-	0.0937
GMA_ F. Polynesia	0.9513	0.8900	0.3954	0.4017	-

Pairwise F_{ST} estimates based on mtDNA (below diagonal) and microsatellite loci (above diagonal). Significant P values are in bold. GME: *Globicephala melas*; GMA: *G. macrorhynchus*.