

S4 Table. Marginal log-likelihood (log mL) and log Bayes factors (LBF) values used to rank the models in Fig.7. The models were constructed considering 5, 3 and 1 populations evaluating from 1 to 14 combined parameters (Θ and M) using MIGRATE-N.

Model	n. of populations	n. of parameters	log mL	LBF	Rank
XIII	1 (panmixia)	1	-47467.4	0	1
XI	3	6	-331455	-283988	2
III	5	13	-721627	-674159	3
V	5	13	-756949	-709481	4
VII	5	12	-787236	-739768	5
II	5	14	-791710	-744242	6
IV	5	13	-819337	-771870	7
VI	5	12	-873472	-826004	8
X	4	10	-877141	-829674	9
IX	4	9	-969912	-922445	10
I	5	13	-984735	-937267	11
XII	3	7	-1180472	-1133005	12
VIII	5	11	-1858279	-1810811	13

n. of populations: 1 population: all areas considered as one population (panmixia); 3 populations: A1, A2+A3+A5, A4; 5 populations: A1, A2,A3, A4, A5. Model XIII reached the highest model probability (>99.99%) while the others models close to 0.