

Table S2: AMOVA results of all population structure scenarios tested, considering all sampling localities, compared to scenarios proposed previously.

Population structure hypotheses	$\Phi_{CT}$	P
<i>2 populations</i>		
AR+UR+RS+SC / PR+SP+RJ+ES	0.13	0.004
AR+UR+RS / SC+PR+SP+RJ+ES <sup>a</sup>	0.13	0.02
AR+UR+RS+SC+PR+SP+RJS / RJN+ES	<b>0.44</b>	10 <sup>-5</sup>
AR+UR+RS+SC+PR+SP / RJ+ES	0.40	10 <sup>-5</sup>
<i>3 populations</i>		
AR+UR+RS+SC / PR+SP+RJS / RJN+ES	0.31	10 <sup>-5</sup>
AR+UR+RS / SC+PR+SP+RJS / RJN+ES	0.34	10 <sup>-5</sup>
AR+UR+RS+SC+PR+SP+RJS / RJN / ES	0.40	10 <sup>-5</sup>
AR+UR+RS+SC+PR+SP / RJ / ES	0.40	10 <sup>-5</sup>
AR+UR+RS+SC+PR+SPS+SPC / SPN+RJS / RJN+ES	0.41	10 <sup>-5</sup>
AR+UR+RS / SC+PR+SP+RJ / ES	0.25	10 <sup>-5</sup>
<i>4 populations</i>		
AR / UR+RS / SC+PR+SP / RJ+ES <sup>b</sup>	0.26	10 <sup>-5</sup>
AR / UR+RS / SC+PR+SP+RJS / RJN+ES	0.28	10 <sup>-5</sup>
AR+UR+RS / SC+PR+SP+RJS / RJN / ES	0.35	10 <sup>-5</sup>
AR+UR+RS+SC / PR+SP+RJS / RJN / ES	0.32	10 <sup>-5</sup>
AR / UR+RS / SC+PR+SP+RJ / ES	0.15	0.01
AR / UR+RS+SC / PR+SP+RJS / RJN+ES	0.22	10 <sup>-5</sup>
AR+UR+RS+SC+PR+SPS+SPC / SPN+RJS / RJN / ES	0.40	10 <sup>-5</sup>
<i>5 populations</i>		
AR / UR+RS / SC+PR+SP+RJS / RJN / ES	0.29	10 <sup>-5</sup>
AR+UR / RS+SC / PR+SP+RJS / RJN / ES	0.27	10 <sup>-5</sup>
AR / UR+RS+SC / PR+SP+RJS / RJN / ES	0.23	10 <sup>-5</sup>
AR / UR+RS / SC+PR / SP+RJS / RJN+ES	0.23	10 <sup>-5</sup>
AR+UR+RS / SC+PR+SPS+SPC / SPN+RJS / RJN / ES	0.36	10 <sup>-5</sup>
AR+UR+RS / SC+PR+SPS / SPC+SPN+RJS / RJN / ES	0.35	10 <sup>-5</sup>
AR+UR+RS+SC / PR+SPS+SPC / SPN+RJS / RJN / ES	0.33	10 <sup>-5</sup>
<i>6 populations</i>		
AR / UR+RS / SC+PR / SP+RJS / RJN / ES	0.24	10 <sup>-5</sup>
AR+UR+RS / SC+PR / SPS+SPC / SPN+RJS / RJN / ES	0.34	10 <sup>-5</sup>
AR / UR+RS / SC+PR+SPS+SPC / SPN+RJS / RJN / ES	0.32	10 <sup>-5</sup>
AR+UR+RS / SC / PR+SPS+SPC / SPN+RJS / RJN / ES	0.33	10 <sup>-5</sup>
AR+UR+RS / SC+PR / SPS / SPC+SPN+RJS / RJN / ES	0.37	10 <sup>-5</sup>
AR / UR+RS / SC+PR+SPS / SPC+SPN+RJS / RJN / ES	0.30	10 <sup>-5</sup>
<i>7 populations</i>		
AR / UR+RS / SC+PR / SPS+SPC / SPN+RJS / RJN / ES	0.28	10 <sup>-5</sup>

Population structure hypotheses proposed previously:

<sup>a</sup> Pinedo (1991) and Secchi *et al.* (1998).

<sup>b</sup> Secchi *et al.* (2003). See text for explanation.