

Supplementary Information, Table S6 Simulated histories testing BPP/G-PhoCS

Case ID	Ancestral population	PopA	PopB	Migration rate (4Nm)
1_default	$4N_e\mu=0.0017$	$4N_e\mu=0.00201$	$4N_e\mu=0.00105$	0
2	-	-	-	0.1
3	-	-	-	1.0
4	-	-	-	10.0
5	bottleneck	-	-	-
6	-	bottleneck	-	-
7	-	-	bottleneck	-
8	B+G	-	-	-
9	-	B+G	-	-
10	-	-	B+G	-
The ms code for the 10 cases				
<p>1) ms 8 1000 -T -t 1.05 -I 2 4 4 -n 1 1.0 -n 2 0.5714286 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238</p> <p>2) ms 8 1000 -T -t 1.05 -I 2 4 4 0.1 -n 1 1.0 -n 2 0.5714286 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238 -eM 0.03457163 0</p> <p>3) ms 8 1000 -T -t 1.05 -I 2 4 4 1.0 -n 1 1.0 -n 2 0.5714286 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238 -eM 0.03457163 0</p> <p>4) ms 8 1000 -T -t 1.05 -I 2 4 4 10 -n 1 1.0 -n 2 0.5714286 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238 -eM 0.03457163 0</p> <p>5) ms 8 1000 -T -t 1.05 -I 2 4 4 -n 1 1.0 -n 2 0.5714286 -en 0.0293335 1 0.5 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238</p> <p>6) ms 8 1000 -T -t 1.05 -I 2 4 4 -n 1 1.0 -n 2 0.5714286 -en 0.0293335 2 0.2857143 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238</p> <p>7) ms 8 1000 -T -t 1.05 -I 2 4 4 -n 1 1.0 -n 2 0.5714286 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238 -en 0.06390514 1 0.4047619 -en 0.06914326 1 0.8095238</p> <p>8) ms 8 1000 -T -t 1.05 -I 2 4 4 -n 1 1.0 -n 2 0.5714286 -g 1 20.0496 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238</p> <p>9) ms 8 1000 -T -t 1.05 -I 2 4 4 -n 1 1.0 -n 2 0.5714286 -g 2 20.0496 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238</p> <p>10) ms 8 1000 -T -t 1.05 -I 2 4 4 -n 1 1.0 -n 2 0.5714286 -ej 0.03457163 2 1 -en 0.03457163 1 0.8095238 -eg 0.03457163 1 20.0496 -eg 0.06914326 1 0 -en 0.06914326 1 0.8095238</p>				