

Supplementary Information, Table S7 The inferred tree topologies under different migration rates

migration	Tree 1*	Tree 2	Tree 3	Tree 4	Tree 5
0	100	0	0	0	0
1	100	0	0	0	0
5	100	0	0	0	0
10	100	0	0	0	0
50	100	0	0	0	0
100	0	0	99	1	0

Tree 1: (((pop3,pop2),pop4),pop1); the simulated true topology

Tree 2: (((pop3,pop4),pop2),pop1);

Tree 3: (((pop3,pop2),pop1),pop4);

Tree 4: ((pop3,(pop2,pop1)),pop4);

Tree 5: ((pop3,pop4),(pop2,pop1));