**Supplemental Material**

**OxCal Code for Scenario 1 Model Structure**

Plot()

{

Sequence()

{

Boundary("Start 1");

Phase("1")

{

R\_Simulate("Sim\_1", 1089, 25);

R\_Simulate("Sim\_2", 1163, 25);

R\_Simulate("Sim\_3", 1150, 25);

R\_Simulate("Sim\_4", 1034, 25);

R\_Simulate("Sim\_5", 1153, 25);

R\_Simulate("Sim\_6", 1091, 25);

R\_Simulate("Sim\_7", 1069, 25);

R\_Simulate("Sim\_8", 1132, 25);

R\_Simulate("Sim\_9", 1082, 25);

R\_Simulate("Sim\_10", 1123, 25);

R\_Simulate("Sim\_11", 1116, 25);

R\_Simulate("Sim\_12", 1097, 25);

R\_Simulate("Sim\_13", 1069, 25);

R\_Simulate("Sim\_14", 1071, 25);

R\_Simulate("Sim\_15", 1101, 25);

R\_Simulate("Sim\_16", 1109, 25);

R\_Simulate("Sim\_17", 1199, 25);

R\_Simulate("Sim\_18", 1009, 25);

R\_Simulate("Sim\_19", 1026, 25);

R\_Simulate("Sim\_20", 1124, 25);

};

Boundary("End 1");

};

};

**OxCal Code for Scenario 2 Model Structure**

Plot()

{

Sequence()

{

Boundary("Start 1");

Phase("1")

{

R\_Simulate("Sim\_1", 1503, 25);

R\_Simulate("Sim\_2", 1524, 25);

R\_Simulate("Sim\_3", 1452, 25);

R\_Simulate("Sim\_4", 1606, 25);

R\_Simulate("Sim\_5", 1553, 25);

R\_Simulate("Sim\_6", 1635, 25);

R\_Simulate("Sim\_7", 1473, 25);

R\_Simulate("Sim\_8", 1534, 25);

R\_Simulate("Sim\_9", 1492, 25);

R\_Simulate("Sim\_10", 1613, 25);

R\_Simulate("Sim\_11", 1637, 25);

R\_Simulate("Sim\_12", 1513, 25);

R\_Simulate("Sim\_13", 1559, 25);

R\_Simulate("Sim\_14", 1636, 25);

R\_Simulate("Sim\_15", 1516, 25);

R\_Simulate("Sim\_16", 1485, 25);

R\_Simulate("Sim\_17", 1524, 25);

R\_Simulate("Sim\_18", 1542, 25);

R\_Simulate("Sim\_19", 1479, 25);

R\_Simulate("Sim\_20", 1559, 25);

};

Boundary("End 1");

};

};

**OxCal Code for Scenario 3 Model Structure**

Plot()

{

Sequence()

{

Boundary("Start 1");

Phase("1")

{

R\_Simulate("t1Sim\_1", 915, 25);

R\_Simulate("t1Sim\_2", 907, 25);

R\_Simulate("t1Sim\_3", 983, 25);

R\_Simulate("t1Sim\_4", 986, 25);

R\_Simulate("t1Sim\_5", 926, 25);

R\_Simulate("t1Sim\_6", 940, 25);

R\_Simulate("t1Sim\_7", 995, 25);

R\_Simulate("t1Sim\_8", 969, 25);

R\_Simulate("t1Sim\_9", 953, 25);

R\_Simulate("t1Sim\_10", 995, 25);

};

Boundary("End 1");

Boundary("Start 2");

Phase("2")

{

R\_Simulate("t2Sim\_1", 1113, 25);

R\_Simulate("t2Sim\_2", 1196, 25);

R\_Simulate("t2Sim\_3", 1103, 25);

R\_Simulate("t2Sim\_4", 1150, 25);

R\_Simulate("t2Sim\_5", 1179, 25);

R\_Simulate("t2Sim\_6", 1141, 25);

R\_Simulate("t2Sim\_7", 1121, 25);

R\_Simulate("t2Sim\_8", 1194, 25);

R\_Simulate("t2Sim\_9", 1192, 25);

R\_Simulate("t2Sim\_10", 1149, 25);

};

Boundary("End 2");

};

Difference(“Gap Length”, “Start 2”, “End 1”);

};

**OxCal Code for Scenario 4 Model Structure**

Plot()

{

Sequence()

{

Boundary("Start 1");

Sequence("1")

{

Phase("VII")

{

R\_Simulate("SimVII\_4", 903, 25);

R\_Simulate("SimVII\_5", 932, 25);

};

Phase("VI")

{

R\_Simulate("SimVI\_3", 956, 25);

R\_Simulate("SimVI\_4", 950, 25);

R\_Simulate("SimVI\_5", 953, 25);

};

Phase("V")

{

R\_Simulate("SimV\_4", 995, 25);

R\_Simulate("SimV\_5", 981, 25);

};

Boundary();

Phase("III")

{

R\_Simulate("SimIII\_4", 1100, 25);

R\_Simulate("SimIII\_5", 1111, 25);

};

Phase("II")

{

R\_Simulate("SimII\_4", 1127, 25);

R\_Simulate("SimII\_5", 1134, 25);

};

Phase("I")

{

R\_Simulate("SimI\_4", 1196, 25);

R\_Simulate("SimI\_5", 1179, 25);

};

};

Boundary("End 1");

};

};