

S7 Table. Mean-standardized root-mean-square error (SRMSE) of parameter estimation for the spatial coalescent model.

| | Mean-standardized root mean square error (SRMSE) |
|----------------------------------|---|
| CARCAP1 (North) | 72.52% |
| CARCAP2 (Central) | 64.44% |
| CARCAP3 (South) | 9.91% |
| COORD_SOURCE_1 ^a | 0.28% |
| COORD_SOURCE_1_LONG ^a | 3.60% |
| COORD_SOURCE_2 ^b | 0.28% |
| COORD_SOURCE_2_LONG ^b | 4.76% |
| GAMMA | 11.38% |
| MID.ALT | 57.69% |
| MUTRATE | 5.04% |
| SOURCE1.Ne ^a | 42.97% |
| SOURCE2.Ne ^b | 50.31% |
| GROWTHRATE | 78.51% |
| MIGRATIONRATE | 23.45% |
| PLAIN.F.COEF.VAL | 63.68% |
| SOMMIT.F.COEF.VAL | 82.67% |

^a South population

^b North population