Supplementary File S1. Descriptions of prior settings for all parameters used in the DIY-ABC.

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| Parameters | Prior distributions |
| **Divergence model** | |
| HN group | Uniform[1E1–1E4] |
| IC group | Uniform[1E1–1E4] |
| t | Uniform[1E1–1E4] |
| **Demographic history model** | |
| HN group | |
| Ne | Uniform[1E1–1E4] |
| t2 | Uniform[1E1–9E3] |
| NB | Uniform[1E3–1E5] |
| t1 | Uniform[1E3–1E5] |
| NA | Uniform[1E1–9E3] |
| IC group | |
| Ne | Uniform[1E1–1E4] |
| t2 | Uniform[1E1–5E3] |
| NB | Uniform[1E2–1E4] |
| t1 | Uniform[1E1–9E3] |
| NA | Uniform[1E1–9E3] |