Supplementary Table 5. Percentage of *S. furcifera* individuals assigned to each reference population in 2012 and the mean assignment log-likelihood for individuals from each geographic population to probable source population

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| --- | --- | --- | --- |
| Country | Population | Method1 | Potential source (reference) population |
| B1 | B2 | B3 | B4 | V | TH | NE | SA1 | LA |
| Bangladesh | B1 | Assignment2Exclusion3-LOG(L)4 | 7.5 (3)12.5(5)13.04 | 95(38)65(26)22.75 | 65(26)32.5(13)**20.63** | 95(38)85(34)22.47 | 100(40)97.5(39)25.24 | 100(40)100(40)24.94 | 100(40)95(38)22.11 | 97.5(39)92.5(27)23.06 | 77.5(31)42.5(17)21.32 |
|  | B2 | AssignmentExclusion-LOG(L) | 100(37)100(37)24.21 | 5.4(2)5.4(2)15.48 | 70.3(26)45.9(17)**21.19** | 100(37)100(37)26.34 | 100(37)97.3(36)23.34 | 100(37)97.3(36)24.84 | 100(37)97.3(36)22.84 | 97.3(36)78.4(29)22.90 | 83.8(31)62.2(23)21.94 |
|  | B3 | AssignmentExclusion-LOG(L) | 100(41)100(41)25.88 | 95.1(40)82.9(34)23.86 | 7.3(3)7.3(3)17.80 | 95.1(39)80.5(33)22.73 | 97.6(40)95.1(39)24.18 | 100(41)100(41)25.18 | 100(41)100(41)22.90 | 92.7(38)85.4(35)22.43 | 80.5(33)31.8(13)**21.48** |
|  | B4 | AssignmentExclusion-LOG(L) | 100(39)100(39)24.40 | 100(39)94.9(37)26.73 | 76.9(30)41.7(19)**20.96** | 5.1(2)7.7(3)16.08 | 100(39)100(39)26.66 | 100(39)100(39)27.74 | 100(39)100(39)23.46 | 100(39)94.9(37)24.86 | 79.5(31)41(16)21.04 |
| Vietnam | V | AssignmentExclusion-LOG(L) | 100(40)100(40)26.61 | 92.5(37)60(24)20.07 | 65(26)35(14)19.70 | 100(40)95(38)24.50 | 5(2)7.5(3)12.99 | 100(40)100(40)27.31 | 92.5(37)75(30)**18.77** | 70(28)50(20)20.00 | 40(16)17.5(7)19.08 |
| Thailand | TH | AssignmentExclusion-LOG(L) | 100(40)100(40)26.78 | 100(40)92.5(37)22.94 | 80(32)42.5(17)21.41 | 100(40)97.5(39)25.23 | 100(40)100(40)27.72 | 5(2)7.5(3)14.16 | 100(40)100(40)23.52 | 70(28)47.5(19)**19.76** | 100(40)97.5(39)25.67 |
| Nepal | NE | AssignmentExclusion-LOG(L) | 100(39)100(39)22.45 | 87.2(34)61.5(24)21.38 | 35.9(14)12.8(5)18.77 | 84.6(33)56.4(22)20.38 | 92.3(36)76.9(30)20.63 | 100(39)97.4(38)24.04 | 5.1(2)12.8(5)13.39 | 71.8(28)48.7(19)19.45 | 35.9(14)15.4(6)**18.02** |
| Korea | SA1 | AssignmentExclusion-LOG(L) | 100(40)100(40)26.71 | 100(40)92.5(37)24.19 | 82.5(33)52.5(21)**21.19** | 100(40)100(40)24.12 | 100(40)95(38)23.29 | 100(40)95(38)23.04 | 97.5(39)95(38)22.48 | 7.5(3)7.5(3)16.28 | 95(38)62.5(25)23.00 |
| Laos | LA | AssignmentExclusion-LOG(L) | 100(39)100(39)24.57 | 87.2(34)84.6(33)22.65 | 51.3(20)25.6(10)**19.75** | 92.3(36)76.9(30)22.79 | 100(39)97.4(38)22.61 | 100(39)100(39)26.29 | 97.4(38)92.3(36)20.29 | 87.2(34)69.2(27)22.04 | 5.1(2)5.1(2)16.32 |

1 The assignment test was conducted using the direct approach without possibility computation (Cornuet *et al*., 1999). Applied the Bayesian statistical approach explained by Rannala & Mountain (1997). The simulation method developed by Paetkau *et al*. (2004) was used in the exclusion test.

2 The number of individuals assigned to the most related population is described in parentheses.

3The number of individuals excluded from the reference population for *a*=0.01 is shown in parenthese.

4 Mean assignment –log likelihood (*L*) value for individuals from a sample population. Bold means the value the most similar and related to the sample population which means the most likely originated population.