

Table S5 Genetic diversity information of *E. sibiricus* populations in the margin of NEQTP

| Population | Number | Number of alleles per locus (Na) | Number of effective alleles (Ne) | Shannon information polymorphism index (I) | Nei's genetic diversity index (H) | Percentage of polymorphic sites (PP) |
|-------------------|---------------|---|---|---|--|---|
| XH01 | 10 | 0.72 | 1.13 | 0.11 | 0.07 | 20.95% |
| XH02 | 10 | 0.72 | 1.13 | 0.11 | 0.07 | 20.95% |
| XH03 | 10 | 0.80 | 1.11 | 0.10 | 0.07 | 21.90% |
| XH04 | 10 | 0.93 | 1.13 | 0.12 | 0.08 | 24.76% |
| XH05 | 10 | 1.04 | 1.16 | 0.15 | 0.10 | 32.38% |
| ZN01 | 10 | 0.85 | 1.11 | 0.10 | 0.06 | 20.00% |
| ZN02 | 10 | 1.08 | 1.21 | 0.20 | 0.13 | 40.00% |
| ZN03 | 10 | 0.76 | 1.13 | 0.12 | 0.08 | 20.95% |
| ZN04 | 10 | 0.82 | 1.15 | 0.13 | 0.09 | 24.76% |
| ZN05 | 10 | 0.95 | 1.16 | 0.14 | 0.09 | 33.33% |
| LQ01 | 10 | 0.91 | 1.16 | 0.13 | 0.09 | 23.81% |
| LQ02 | 10 | 0.85 | 1.16 | 0.13 | 0.09 | 20.95% |
| LQ03 | 10 | 0.77 | 1.18 | 0.14 | 0.10 | 22.86% |
| LQ04 | 10 | 1.09 | 1.25 | 0.22 | 0.15 | 41.90% |
| LQ05 | 10 | 1.20 | 1.29 | 0.26 | 0.17 | 49.52% |
| LQ06 | 10 | 0.78 | 1.12 | 0.11 | 0.07 | 22.86% |
| TZ01 | 10 | 1.04 | 1.19 | 0.18 | 0.11 | 39.05% |
| TZ02 | 10 | 0.93 | 1.13 | 0.13 | 0.08 | 31.43% |
| TZ03 | 10 | 0.51 | 1.03 | 0.03 | 0.02 | 7.62% |
| HZ01 | 10 | 0.77 | 1.11 | 0.09 | 0.06 | 19.05% |
| Average | 10 | 0.88 | 1.15 | 0.13 | 0.09 | 26.95% |