Old

|  |  |  |
| --- | --- | --- |
|  | *Ho* ± SE | *He*± SE |
| Bod | 0.61 ± 0.04 | 0.81 ± 0.02 |
| Bos | 0.78 ± 0.04 | 0.81 ± 0.03 |
| Mig | 0.69 ± 0.06 | 0.73 ± 0.03 |
| Bel | 0.75 ± 0.05 | 0.80 ± 0.03 |

New

|  |  |  |
| --- | --- | --- |
|  | *Ho* ± SE | *He*± SE |
| Bod | 0.63 ± 0.03 | 0.81 ± 0.02 |
| Bos | 0.81 ± 0.04 | 0.83 ± 0.02 |
| Mig | 0.73 ± 0.04 | 0.75 ± 0.03 |
| Bel | 0.78 ± 0.04 | 0.80 ± 0.04 |

Old

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Population average | rub37b | rub02 | rub59 | rub30 | rub35 | rub60 | rub06 | rub55 | rub04 | rub72 | rub80 | rub73 |
| Number of alleles (*Na)* | Bod | 11.04 | 5.00 | 7.76 | 17.79 | 15.64 | 18.32 | 11.47 | 7.56 | 7.75 | 7.75 | 12.78 | 11.32 | 9.39 |
| Bos | 11.75 | 5.00 | 10.00 | 14.00 | 18.00 | 19.00 | 13.00 | 8.00 | 7.00 | 6.00 | 14.00 | 16.00 | 11.00 |
| Mig | 8.13 | 2.91 | 7.61 | 12.15 | 15.16 | 11.06 | 12.30 | 5.70 | 7.10 | 3.91 | 7.52 | 6.58 | 5.61 |
| Bel | 11.11 | 4.85 | 7.96 | 12.81 | 24.02 | 17.93 | 5.34 | 10.54 | 9.74 | 6.84 | 14.81 | 9.92 | 8.56 |
| Mean number of alleles per marker | | | 4.44 | 8.33 | 14.19 | 18.20 | 16.58 | 10.53 | 7.95 | 7.90 | 6.13 | 12.28 | 10.96 | 8.64 |
| Number of private alleles (*Np)* | Bod | 1.67 | 0.00 | 1.00 | 5.68 | 1.57 | 0.36 | 1.26 | 1.80 | 0.99 | 1.89 | 3.68 | 0.86 | 0.99 |
| Bos | 1.83 | 0.00 | 1.00 | 2.20 | 1.77 | 4.09 | 1.82 | 0.11 | 0.00 | 1.00 | 2.50 | 4.29 | 3.21 |
| Mig | 0.99 | 0.00 | 1.00 | 0.70 | 3.30 | 0.28 | 2.13 | 0.70 | 2.70 | 0.00 | 0.00 | 0.99 | 0.13 |
| Bel | 2.51 | 0.00 | 0.00 | 1.20 | 7.76 | 5.51 | 0.00 | 5.62 | 2.92 | 0.00 | 3.56 | 2.62 | 1.00 |
| Mean number of private alleles per marker | | | 0.00 | 0.75 | 2.44 | 3.60 | 2.56 | 1.30 | 2.06 | 1.65 | 0.72 | 2.43 | 2.19 | 1.33 |

New

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Population average | rub37b | rub02 | rub59 | rub30 | rub35 | rub60 | rub06 | rub55 | rub72 | rub80 | rub73 |
| Number of alleles (*Na)* | Bod | 11.34 | 5.00 | 7.76 | 17.79 | 15.64 | 18.32 | 11.47 | 7.56 | 7.75 | 12.78 | 11.32 | 9.39 |
| Bos | 12.27 | 5.00 | 10.00 | 14.00 | 18.00 | 19.00 | 13.00 | 8.00 | 7.00 | 14.00 | 16.00 | 11.00 |
| Mig | 8.52 | 2.91 | 7.61 | 12.15 | 15.16 | 11.06 | 12.30 | 5.70 | 7.10 | 7.52 | 6.58 | 5.61 |
| Bel | 11.50 | 4.85 | 7.96 | 12.81 | 24.02 | 17.93 | 5.34 | 10.54 | 9.74 | 14.81 | 9.92 | 8.56 |
| Mean number of alleles per marker | | | 4.44 | 8.33 | 14.19 | 18.20 | 16.58 | 10.53 | 7.95 | 7.90 | 12.28 | 10.96 | 8.64 |
| Number of private alleles (*Np)* | Bod | 1.65 | 0.00 | 1.00 | 5.68 | 1.57 | 0.36 | 1.26 | 1.80 | 0.99 | 3.68 | 0.86 | 0.99 |
| Bos | 1.91 | 0.00 | 1.00 | 2.20 | 1.77 | 4.09 | 1.82 | 0.11 | 0.00 | 2.50 | 4.29 | 3.21 |
| Mig | 1.08 | 0.00 | 1.00 | 0.70 | 3.30 | 0.28 | 2.13 | 0.70 | 2.70 | 0.00 | 0.99 | 0.13 |
| Bel | 2.74 | 0.00 | 0.00 | 1.20 | 7.76 | 5.51 | 0.00 | 5.62 | 2.92 | 3.56 | 2.62 | 1.00 |
| Mean number of private alleles per marker | | | 0.00 | 0.75 | 2.44 | 3.60 | 2.56 | 1.30 | 2.06 | 1.65 | 2.43 | 2.19 | 1.33 |

Old

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Set | 1 | | | | | 2 | | | | 3 | | |
|  | rub37b | rub02 | rub59 | rub30 | rub35 | rub60 | rub06 | rub55 | rub04 | rub72 | rub80 | rub73 |
| Bod | ns | \*\*\* | \*\* | \*\*\* | \* | \*\*\* | \* | ns | \*\*\* | ns | \*\*\* | \* |
| Bos | ns | ns | ns | ns | ns | ns | \*\*\* | ns | \*\*\* | ns | ns | \* |
| Mig | ns | ns | ns | \*\*\* | ns | ns | ns | ns | \*\* | ns | \*\*\* | \*\*\* |
| Bel | ns | ns | ns | \* | ns | ns | ns | ns | \*\*\* | ns | \*\*\* | \*\*\* |

New

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Set | 1 | | | | | 2 | | | 3 | | |
|  | rub37b | rub02 | rub59 | rub30 | rub35 | rub60 | rub06 | rub55 | rub72 | rub80 | rub73 |
| Bod | ns | \*\*\* | \*\* | \*\*\* | \* | \*\*\* | \* | ns | ns | \*\*\* | \* |
| Bos | ns | ns | ns | ns | ns | ns | \*\*\* | ns | ns | ns | \* |
| Mig | ns | ns | ns | \*\*\* | ns | ns | ns | ns | ns | \*\*\* | \*\*\* |
| Bel | ns | ns | ns | \* | ns | ns | ns | ns | ns | \*\*\* | \*\*\* |

Old

New