Table 1: Table showing the source of variation and number of transcripts for each category for the four populations.

|  |  |
| --- | --- |
| Source of variation | Number of genes with padj ≤ 0.05 |
| Genotype | 22146 |
| Population | 15252 |
| Genotype:Population | 22869 |

Table 2: Table showing the number of transcripts, number of SNP sites and average number of SNPs calculated for all SNPs in the study, biallelic and multiallelic SNPs.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Population |  | All SNPs | biallelic SNPs | Multiallelic SNPs |
| Pop.G | Number of transcripts | 1369 | 1259 | 110 |
| Number of SNP sites | 34525 | 34320 | 205 |
| Average number of SNPs | 25.21 | 27.25 | 1.86 |
| Pop.J | Number of transcripts | 1203 | 1101 | 102 |
| Number of SNP sites | 28252 | 28078 | 174 |
| Average number of SNPs | 23.48 | 25.5 | 1.71 |
| Pop.LC | Number of transcripts | 1548 | 1487 | 61 |
| Number of SNP sites | 49451 | 49342 | 109 |
| Average number of SNPs | 31.94 | 33.18 | 1.78 |
| Pop.M | Number of transcripts | 1087 | 992 | 95 |
| Number of SNP sites | 36772 | 36598 | 174 |
| Average number of SNPs | 33.82 | 36.89 | 1.83 |
| NonDEG | Number of transcripts | 9473 | 8758 | 715 |
| Number of SNP sites | 265546 | 264081 | 1465 |
| Average number of SNPs | 28.03 | 30.15 | 2.04 |
| Total | Number of transcripts | 14680 | 13597 | 1083 |
| Number of SNP sites | 414546 | 412419 | 2127 |
| Average number of SNPs | 28.23 | 30.33 | 1.96 |

Table 3: Table showing the number of Transitions (A <>G and C< >T) and transversions (A<>C,A<>T,G<>C,T<>G) and their ratio for each of the four populations.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Samples | A<>G | C<>T | **Ts** | A<>C | A<>T | G<>C | T<>G | **Tv** | **Ts/Tv** |
| Pop.G | 138855 | 146963 | 285818 | 43146 | 52822 | 28824 | 40509 | 165301 | 1.72908 |
| Pop.J | 124771 | 130556 | 255327 | 38942 | 47868 | 25897 | 36231 | 148938 | 1.71432 |
| Pop.LC | 129137 | 135000 | 264137 | 40024 | 49365 | 26710 | 37573 | 153672 | 1.71884 |
| Pop.M | 119505 | 126732 | 246237 | 38096 | 46073 | 24983 | 35523 | 144675 | 1.702 |

**Table 4: Number of transcripts in each population that showed significant Tajima’s D value**

|  |  |  |  |
| --- | --- | --- | --- |
| **Population** | **D < 0** | **D > 0** | **Total** |
| **Pop G** | **3961** | **157** | **4118** |
| **Pop J** | **3813** | **147** | **3960** |
| **Pop LC** | **4192** | **87** | **4279** |
| **Pop M** | **3848** | **164** | **4012** |