**Table S2**. Genomic relationship within and between Local Awassi flocks

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Flock No. | Number of sheep | Type of comparison | Number of pairs compared | Mean | Min | Max |
| 1 | 5 | Within flock | 10 | 0.14 | 0.13 | 0.17 |
| With other flocks | 95 | 0.13 | 0.10 | 0.23  |
| 2 | 4 | Within flock | 6 | 0.31 |  0.13 | 0.46 |
| With other flocks | 80 | 0.12 | 0.09 | 0.24 |
| 3 | 7 | Within flock | 21 | 0.26 | 0.11 | 0.64 |
| With other flocks | 119 | 0.13 | 0.09 | 0.34 |
| 4 | 2 | Within flock | 1 | 0.13 | 0.13 | 0.13  |
| With other flocks | 44 | 0.12 | 0.10 | 0.14 |
| 5 | 6 | Within flock | 15 | 0.15 | 0.08 | 0.44 |
| With other flocks |  108 | 0.13 | 0.09 | 0.34 |

Genomic relationship matrix (GRM) was created using Plink version 1.9 and the following options on the command line: --sheep --hwe 0.001 --geno --maf --make-rel.

The overall average coefficient value for within and between flocks genomic relationships were 0.20 and 0.13, respectively.