Table S3. The final SNP (single nucleotide polymorphisms) datasets, including number of SNPs, mean depth of coverage, and the standard deviation of depth of coverage.

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| --- | --- | --- | --- | --- |
| Dataset | Analyses | Number of SNPs | Mean Depth | Standard Deviation of Depth |
| Phylogenetic | Genetic diversity, RAxML (n = 5900), TreeMix (n = 7575) | 8032 | 24.65146752 | 8.156008778 |
| All Bighorn Sheep | F-statistics, genetic relatedness | 8924 | 24.55218349 | 8.089207995 |
| Only Desert Bighorn Sheep | PCA, ADMIXTURE | 7955 | 24.63932876 | 8.187048332 |
| Only Texas Bighorn Sheep | PCA, ADMIXTURE | 12677 | 26.57472324 | 6.639653148 |