Table S6. The final SNP (single nucleotide polymorphisms) dataset for analyses only concerning desert bighorn sheep, including number of SNPs, mean depth of coverage, and the standard deviation of depth of coverage.

|  |  |  |  |
| --- | --- | --- | --- |
| Individuals | Missing SNPs | Mean Depth of Coverage | Standard Deviation of Depth of Coverage |
| AZ95099 | 0.140163419 | 14.02891263 | 8.706941543 |
| AZ95100 | 0.247265871 | 10.94217473 | 7.025130009 |
| AZ014430 | 0.213702074 | 12.01671904 | 6.811654661 |
| AZ014431 | 0.16052797 | 13.38152106 | 7.911958048 |
| AZ014434 | 0.162916405 | 13.44173476 | 6.792367147 |
| AZ02008 | 0.182778127 | 12.95411691 | 6.938106455 |
| AZ02009 | 0.206411062 | 12.47215588 | 6.851495825 |
| AZ02010 | 0.142174733 | 14.22690132 | 8.543072568 |
| SAE138 | 0.318038969 | 10.25631678 | 6.382931276 |
| SAE140 | 0.103959774 | 13.89252043 | 6.967552089 |
| NV98001 | 0.155625393 | 12.27039598 | 7.440142314 |
| NV98002 | 0.172721559 | 12.93614079 | 8.716698615 |
| NV98003 | 0.209176618 | 12.24802011 | 7.604652113 |
| NV98004 | 0.054556882 | 15.77963545 | 6.226940876 |
| NV98005 | 0.109993715 | 16.09528598 | 8.587154487 |
| NV98006 | 0.145694532 | 12.68233815 | 6.275987145 |
| NV98007 | 0.052796983 | 20.27052168 | 11.00583792 |
| NV98008 | 0.169956003 | 13.29101194 | 7.75603383 |
| NV98011 | 0.108988058 | 14.25870522 | 6.832633912 |
| NV98012 | 0.112507857 | 13.30571967 | 5.867496865 |
| NV98013 | 0.150471402 | 14.76656191 | 8.834603952 |
| NV98014 | 0.178881207 | 12.72256442 | 9.217298921 |
| NV98015 | 0.188560654 | 12.46775613 | 6.399966992 |
| NV98016 | 0.169578881 | 12.89666876 | 7.510474303 |
| NV98017 | 0.120553111 | 14.98516656 | 7.64206042 |
| NV98018 | 0.095411691 | 15.28007542 | 7.1778477 |
| NV98019 | 0.083595223 | 15.34820867 | 7.948804174 |
| NV98009 | 0.36052797 | 9.660213702 | 6.20396101 |
| NV98010 | 0.230295412 | 11.86913891 | 12.28058509 |
| NV94001 | 0.096543055 | 15.98252671 | 8.383282657 |
| NV94008 | 0.10584538 | 15.61093652 | 8.009304751 |
| NV94009 | 0.266876179 | 11.14292898 | 5.989561049 |
| NV94010 | 0.257573853 | 11.17800126 | 5.838880526 |
| NV94014 | 0.350597109 | 9.674292898 | 5.073449614 |
| NV94015 | 0.125078567 | 14.14368322 | 7.133755423 |
| NV94016 | 0.168196103 | 13.92809554 | 7.543711116 |
| NV94020 | 0.203771213 | 12.87932118 | 8.496801957 |
| NV95001 | 0.097423004 | 14.37762414 | 7.027118142 |
| NV95002 | 0.188937775 | 12.57950974 | 7.121652592 |
| NV95003 | 0.335386549 | 9.982778127 | 5.919634447 |
| NV95005 | 0.129855437 | 13.35386549 | 7.506956531 |
| NV95006 | 0.107102451 | 15.21646763 | 7.235463284 |
| NV95008 | 0.067881835 | 17.17133878 | 8.064795003 |
| NV95009 | 0.447014456 | 8.943808925 | 6.21573719 |
| NV95011 | 0.095537398 | 18.75813953 | 10.12043805 |
| NV95012 | 0.279698303 | 10.26737901 | 5.345967356 |
| NV95013 | 0.085229415 | 17.80691389 | 8.534223282 |
| NV95014 | 0.122438718 | 13.08724073 | 6.329219639 |
| NV95015 | 0.05204274 | 17.45983658 | 7.539202029 |
| NV95016 | 0.060087995 | 16.37624136 | 7.196136036 |
| NV95017 | 0.117410434 | 17.2177247 | 9.572499722 |
| NV95018 | 0.096668762 | 15.28120679 | 7.065055118 |
| NV95019 | 0.220490258 | 11.28610937 | 6.070004976 |
| NV95020 | 0.109490886 | 13.90458831 | 6.464041293 |
| NV95021 | 0.2654934 | 10.45958517 | 5.264320443 |
| NV95022 | 0.26637335 | 10.4867379 | 6.105325553 |
| AZ95046 | 0.328346952 | 9.608045255 | 5.368866531 |
| AZ95047 | 0.154996857 | 12.73475801 | 6.654786849 |
| AZ95048 | 0.197485858 | 11.94820867 | 6.584689975 |
| AZ95049 | 0.068510371 | 15.86436204 | 7.83465226 |
| AZ95050 | 0.248900063 | 11.09214331 | 5.900391209 |
| YAQUI1 | 0.296417348 | 10.63746072 | 6.173813362 |
| YAQUI2 | 0.141546197 | 13.79962288 | 8.199797912 |
| YAQUI3 | 0.05769956 | 17.62162162 | 8.138364377 |
| YAQUI4 | 0.159145192 | 13.34946574 | 7.099427541 |
| YAQUI5 | 0.230295412 | 12.21206788 | 8.707330614 |
| TK200911 | 0.084726587 | 16.81433061 | 8.868630009 |
| TK249257 | 0.004399749 | 28.66964173 | 10.83284324 |
| TK249258 | 0.022627278 | 36.33777498 | 14.21028801 |
| TK249259 | 0.020113136 | 25.0779384 | 9.75305912 |
| TK249260 | 0.011062225 | 32.127467 | 12.14050438 |
| TK249261 | 0.00565682 | 35.05103708 | 12.01152576 |
| TK249262 | 0.017724701 | 29.99836581 | 12.09266137 |
| TK249263 | 0.005405405 | 28.96203646 | 11.94355667 |
| TK249264 | 0.004399749 | 31.66876179 | 11.05532858 |
| TK249265 | 0.002765556 | 35.33048397 | 13.62168986 |
| TK249266 | 0.00867379 | 29.92545569 | 11.39931046 |
| TK249267 | 0.002388435 | 36.65380264 | 14.04153727 |
| TK249268 | 0.005279698 | 26.85556254 | 10.14897234 |
| TK249269 | 0.021747329 | 31.13412948 | 15.17078156 |
| TK249270 | 0.013324953 | 25.59723444 | 9.757852354 |
| TK249271 | 0.006159648 | 36.09440603 | 13.16989285 |
| TK249272 | 0.014707731 | 23.20452546 | 9.241855769 |
| TK249273 | 0.002388435 | 30.5610308 | 10.87704801 |
| TK249274 | 0.017850409 | 23.69981144 | 9.798877344 |
| TK249275 | 0.006285355 | 27.76568196 | 10.72708293 |
| TK249276 | 0.003645506 | 31.09465745 | 10.76758447 |
| TK249277 | 0.010307982 | 26.95562539 | 10.40375104 |
| TK249278 | 0.01433061 | 24.11074796 | 9.539361906 |
| TK249279 | 0.007919547 | 26.18805783 | 10.183288 |
| TK249280 | 0.012067882 | 35.90421119 | 13.78358818 |
| TK249281 | 0.01822753 | 22.89151477 | 9.755622076 |
| TK249282 | 0.01910748 | 24.18013828 | 9.925387109 |
| TK249283 | 0.010559397 | 24.20603394 | 9.339093701 |
| TK249284 | 0.024261471 | 35.52897549 | 16.08711696 |
| TK249285 | 0.037460717 | 31.63783784 | 15.26695486 |
| TK249286 | 0.019358894 | 28.90383407 | 12.73278805 |
| BeachesTK249287 | 0.014079195 | 29.18554368 | 19.49762607 |
| BeachesTK249288 | 0.033815211 | 21.7185418 | 9.57512555 |
| BeachesTK249289 | 0.024261471 | 22.73324953 | 10.6510706 |
| BeachesTK249290 | 0.015839095 | 32.67467002 | 15.27861292 |
| BeachesTK249291 | 0.018478944 | 23.71011942 | 10.63305211 |
| BeachesTK249292 | 0.016216216 | 27.42790698 | 12.86889366 |
| BeachesTK249293 | 0.004651163 | 30.15801383 | 12.92641004 |
| BeachesTK249294 | 0.003771213 | 33.74934004 | 13.96590637 |
| BeachesTK249295 | 0.014456317 | 24.81797612 | 10.4702389 |
| BeachesTK249296 | 0.014204903 | 26.06071653 | 11.75822822 |
| TK249297 | 0.017724701 | 24.16530484 | 10.51772469 |
| TK249298 | 0.046385921 | 25.29164048 | 13.46047863 |
| TK249299 | 0.008925204 | 28.47140163 | 11.92036397 |
| TK249300 | 0.010810811 | 27.73940918 | 11.92834821 |
| TK249302 | 0.030169705 | 34.58365808 | 21.55269978 |
| TK249303 | 0.005405405 | 28.4779384 | 12.02325129 |
| TK249304 | 0.004022627 | 33.44839723 | 16.53157982 |
| TK249305 | 0.002765556 | 33.75361408 | 14.03430315 |
| TK249306 | 0.013953488 | 26.48208674 | 11.84563673 |
| TK249307\_Nov2016 | 0.002514142 | 35.42463859 | 14.42077352 |
| TK256543 | 0.497925833 | 15.06059082 | 24.1074589 |
| TK256544 | 0.011313639 | 28.254934 | 10.02864262 |
| TK256545 | 0.006913891 | 30.34041483 | 11.45374841 |
| TK256546 | 0.012319296 | 29.2991829 | 12.20966542 |
| TK256547 | 0.088120679 | 19.53966059 | 16.35025787 |
| TK256548 | 0.004274041 | 29.52470145 | 9.751552207 |
| TK256549 | 0.021118793 | 43.96304211 | 20.56682667 |
| TK256550 | 0.006662476 | 25.63796354 | 9.368985524 |
| TK256551 | 0.008296669 | 27.68233815 | 10.21774667 |
| TK256552 | 0.016593338 | 28.30521684 | 11.16491761 |
| TK256553 | 0.00955374 | 26.65505971 | 10.40668802 |
| TK256554 | 0.014582024 | 25.59484601 | 9.86330503 |
| TK256555 | 0.009679447 | 27.58705217 | 10.51613979 |
| TK256556 | 0.006913891 | 27.37925833 | 10.52113775 |
| TK256558 | 0.022878693 | 28.67353865 | 12.18821459 |
| TK256559 | 0.001257071 | 42.40565682 | 12.77985171 |
| TK256560 | 0.006536769 | 36.17624136 | 13.19320707 |
| TK256561 | 0.17221873 | 13.92495286 | 6.980487522 |
| TK256564 | 0.143306097 | 14.73337524 | 7.460881883 |
| TK256573 | 0.002137021 | 44.9964802 | 15.88100038 |
| TK256574 | 0.202514142 | 12.60540541 | 6.144643738 |
| TK256575 | 0.001885607 | 43.35034569 | 14.90768925 |
| TK256576 | 0.001257071 | 32.95512256 | 10.68913484 |
| TK256577 | 0.146323067 | 14.76216216 | 7.713795534 |
| TK256578 | 0.149968573 | 18.01583909 | 18.0199998 |
| TK256582 | 0.045254557 | 21.41445632 | 14.59433232 |
| TK256583 | 0.01043369 | 28.35813953 | 16.80207168 |
| TK256585 | 0.019987429 | 25.72847266 | 15.17576803 |
| TK256609 | 0.065116279 | 20.05782527 | 15.95873088 |
| TK256610 | 0.016090509 | 25.75851666 | 16.08222801 |
| TK256621 | 0.020867379 | 23.70282841 | 13.27459685 |
| TK256622 | 0.015587681 | 36.33148963 | 13.51098633 |
| TK256623 | 0.006788184 | 39.36492772 | 14.08355225 |
| TK256624 | 0.00389692 | 33.89076053 | 12.62300341 |
| TK256625 | 0.009679447 | 35.57611565 | 15.9309417 |
| TK256630 | 0.009176618 | 36.86247643 | 13.80980741 |
| TK256633 | 0.005153991 | 35.0514142 | 15.29483098 |
| TK249450 | 0.026398492 | 23.45795097 | 11.855739 |
| TX001 | 0.125078567 | 14.53073539 | 6.981307302 |
| TX002 | 0.252419862 | 11.43570082 | 6.469866526 |
| TX003 | 0.0902577 | 15.3185418 | 6.931240432 |
| TX004 | 0.132495286 | 15.17536141 | 8.859053143 |
| TX005 | 0.065744815 | 16.96706474 | 7.987460085 |
| TX006 | 0.182526713 | 12.8495286 | 6.734623438 |
| TX007 | 0.211690761 | 12.65820239 | 9.112459537 |
| TX008 | 0.102702703 | 15.28346952 | 7.211205207 |
| TX009 | 0.20301697 | 12.83343809 | 7.34749658 |
| TX010 | 0.106473916 | 14.55424261 | 6.702329075 |
| TK249344 | 0.005782527 | 35.93551226 | 17.00856888 |
| TK249345 | 0.047014456 | 29.64299183 | 17.62224838 |
| TK249346 | 0.022250157 | 28.56128221 | 14.91751217 |
| TK249347 | 0.01345066 | 35.27655563 | 13.41488773 |
| TK249348 | 0.01822753 | 26.55776241 | 11.78539031 |
| TK249349 | 0.186675047 | 21.94054054 | 18.25992339 |
| TK249350 | 0.005405405 | 29.08170962 | 11.72068746 |
| TK249351 | 0.10672533 | 27.03343809 | 23.58023636 |
| TK249352 | 0.009930861 | 28.95700817 | 13.7359126 |
| TK249353 | 0.001508485 | 42.49076053 | 14.21225496 |
| TK249354 | 0.001382778 | 60.85694532 | 16.31828106 |
| TK249355 | 0.004022627 | 36.1859208 | 14.91737373 |
| TK249356 | 0.002388435 | 38.70911376 | 15.86809506 |
| TK249357 | 0.00565682 | 29.89453174 | 12.18633364 |
| TK249358 | 0.002891263 | 33.12771842 | 15.36115487 |
| TK249359 | 0.007919547 | 33.91389063 | 14.78129052 |
| TK249360 | 0.001885607 | 29.69428033 | 10.09919677 |
| TK249361 | 0.007416719 | 26.92331867 | 10.51187544 |
| TK249362 | 0.012067882 | 24.67140163 | 10.26851617 |
| TK249363 | 0.011816468 | 24.13375236 | 9.572951425 |
| TK249364 | 0.003771213 | 35.35361408 | 15.1893848 |
| TK249365 | 0.002011314 | 32.31615336 | 13.1704168 |
| TK249366 | 0.006662476 | 29.4602137 | 11.84096569 |
| TK249367 | 0.001508485 | 35.81797612 | 12.717578 |
| TK249368 | 0.015084852 | 24.8370836 | 10.37180844 |
| TK249369 | 0.004525456 | 28.02225016 | 10.81416075 |
| TK249370 | 0.015964802 | 36.96392206 | 14.98753419 |
| TK249371 | 0.004022627 | 30.23042112 | 11.54939669 |
| TK249372 | 0.004399749 | 34.70144563 | 15.00190221 |
| TK249373 | 0.008548083 | 29.53752357 | 11.17196794 |
| TK249374 | 0.005153991 | 29.28434947 | 11.55291312 |
| TK249375 | 0.015713388 | 28.36417348 | 12.19856044 |
| TK249376 | 0.026398492 | 20.56681332 | 7.953814686 |
| TK249377 | 0.048774356 | 23.34770585 | 11.74226748 |
| TK249378 | 0.031175361 | 20.06121936 | 8.385191652 |
| TK249379 | 0.051539912 | 18.50018856 | 8.09112321 |
| TK249380 | 0.026147077 | 20.81470773 | 8.817449035 |
| TK249381 | 0.015461974 | 28.10458831 | 11.97522263 |
| TK249382 | 0.038843495 | 19.32872407 | 8.533427493 |
| TK249383 | 0.021370207 | 21.97121307 | 8.926588591 |
| TK249384 | 0.006913891 | 28.06247643 | 11.07194084 |
| TK249385 | 0.013953488 | 22.91602766 | 8.643149687 |
| TK249386 | 0.013576367 | 25.49050911 | 10.09660425 |
| TK249387 | 0.04512885 | 18.76781898 | 8.128897484 |
| TK249388 | 0.028786926 | 19.64990572 | 7.768785885 |
| TK249389 | 0.00565682 | 26.61143935 | 9.753950342 |
| TK249390 | 0.007291012 | 23.78466373 | 8.561776346 |
| TK249391 | 0.005782527 | 26.57259585 | 9.776499265 |
| TK249392 | 0.007291012 | 27.11665619 | 10.13295909 |
| TK249393 | 0.011565053 | 23.61219359 | 9.343853372 |
| TK249394 | 0.069390321 | 17.3255814 | 7.595744943 |
| TK249395 | 0.063607794 | 20.94418605 | 10.48700489 |
| TK249396 | 0.034192332 | 19.60729101 | 8.230486459 |
| TK249397 | 0.039094909 | 22.86461345 | 10.51802092 |
| TK249398 | 0.063733501 | 21.25568825 | 10.7426986 |
| TK249399 | 0.009930861 | 24.52696417 | 9.425948209 |
| TK249400 | 0.001382778 | 39.12608422 | 12.0860138 |
| TK249401 | 0.007039598 | 26.51275927 | 9.61936808 |
| TK249402 | 0.00867379 | 25.82602137 | 9.631226543 |
| TK249403 | 0.004399749 | 30.03808925 | 10.7289476 |
| TK249404 | 0.002011314 | 31.64160905 | 10.62887568 |
| TK249405 | 0.009679447 | 36.90835952 | 16.91846246 |
| TK249406 | 0.001634192 | 35.69176618 | 11.71068238 |
| TK249407 | 0.002011314 | 30.1681961 | 10.59879912 |
| TK249408 | 0.002639849 | 29.39195475 | 9.832235481 |
| TK249409 | 0.019358894 | 23.65279698 | 8.892528961 |
| TK249410 | 0.031552483 | 20.87705845 | 8.597016657 |
| TK249411 | 0.00565682 | 28.38667505 | 9.733658204 |
| TK249412 | 0.00477687 | 30.12985544 | 10.08674259 |
| TK249413 | 0.005153991 | 27.2477687 | 9.497883304 |
| TK249414 | 0.011439346 | 23.61973602 | 8.856159958 |
| TK249416 | 0.015461974 | 25.00628536 | 10.97130739 |
| TK249417 | 0.002514142 | 31.7221873 | 10.71391784 |
| TK249418 | 0.010936518 | 24.52419862 | 9.230311681 |
| TK249419 | 0.006536769 | 29.97146449 | 10.29493726 |
| TK249420 | 0.02602137 | 24.81043369 | 9.966691661 |
| TK249421 | 0.016719045 | 25.8335638 | 10.23449991 |
| TK249422 | 0.038466373 | 19.67806411 | 8.548788542 |
| TK249423 | 0.01822753 | 22.20025141 | 8.68579573 |
| TK249424 | 0.009930861 | 26.64173476 | 9.812402696 |
| TK249425 | 0.01345066 | 21.94142049 | 8.299785223 |
| TK256684 | 0.008170962 | 29.00842238 | 12.34234467 |
| TK256685 | 0.018856065 | 28.83444375 | 14.26013292 |
| TK256686 | 0.028912634 | 26.7912005 | 12.39794742 |
| TK256687 | 0.017724701 | 28.89088624 | 13.75105221 |
| TK256688 | 0.02212445 | 29.37184161 | 15.06764603 |
| TK256689 | 0.01043369 | 28.22916405 | 11.47415257 |
| TK256690 | 0.21345066 | 17.56781898 | 13.1123468 |
| TK256691 | 0.407416719 | 10.94594595 | 8.666514195 |
| TK256692 | 0.018856065 | 30.49000629 | 14.47068758 |
| TK256693 | 0.365933375 | 11.92482715 | 9.142029142 |
| TK256694 | 0.053174104 | 20.8584538 | 16.62145135 |
| TK256695 | 0.490509114 | 12.58969202 | 16.57703785 |
| TK256696 | 0.057950974 | 26.27064739 | 14.77975214 |
| TK256697 | 0.019987429 | 31.82589566 | 15.16496277 |
| TK256698 | 0.005405405 | 27.5485858 | 10.91486457 |
| TK256699 | 0.201759899 | 17.82401006 | 13.07022297 |
| TK256700 | 0.025769956 | 24.98089252 | 15.63766196 |
| TK256721 | 0.211816468 | 17.59899434 | 13.41039415 |
| TK256722 | 0.350471402 | 12.8742929 | 10.3519915 |
| TK256723 | 0.093526084 | 25.44550597 | 15.73509779 |
| TK256724 | 0.619736015 | 7.198491515 | 6.209784693 |
| TK256725 | 0.311250786 | 14.31225644 | 11.36242254 |
| TK256726 | 0.320301697 | 13.48573224 | 10.29834759 |
| TK256727 | 0.012067882 | 28.16354494 | 12.06992986 |
| TK256728 | 0.006411062 | 29.93526084 | 11.75666696 |
| TK256729 | 0.004902577 | 28.92331867 | 11.64750934 |
| TK256730 | 0.014204903 | 28.17649277 | 12.41009005 |
| TK256731 | 0.007919547 | 30.97976116 | 12.73723207 |
| TK256732 | 0.011565053 | 26.06310497 | 9.978530645 |
| TK256733 | 0.008296669 | 28.09666876 | 10.90913082 |
| TK256734 | 0.01345066 | 25.42174733 | 10.38677496 |
| TK256735 | 0.048522942 | 20.2319296 | 38.09634553 |
| TK256736 | 0.025392835 | 29.45543683 | 13.79857503 |
| TK256737 | 0.001508485 | 34.56895035 | 12.70755237 |
| TK256738 | 0.006285355 | 31.93475801 | 13.35954293 |
| TK256739 | 0.43557511 | 17.50006285 | 25.40858659 |
| TK256740 | 0.006285355 | 29.13463231 | 11.98194942 |
| TK256741 | 0.029289755 | 31.64135764 | 17.03689954 |
| TK256742 | 0.412696417 | 16.50559397 | 20.91116699 |
| TK256743 | 0.007416719 | 33.61609051 | 14.15975138 |
| TK256744 | 0.06247643 | 26.63104965 | 15.68930859 |
| TK256745 | 0.009050911 | 29.2972973 | 12.52886981 |
| TK256746 | 0.012193589 | 26.91627907 | 11.9214186 |
| TK256747 | 0.00565682 | 30.71879321 | 15.22598168 |
| TK256748 | 0.023632935 | 31.39761157 | 16.39975282 |
| TK256749 | 0.017724701 | 25.49956003 | 10.69756333 |
| TK256750 | 0.010056568 | 29.43419233 | 12.9331189 |
| TK256751 | 0.080829667 | 28.08409805 | 18.91751459 |
| TK256752 | 0.006033941 | 30.4760528 | 12.76560013 |
| TK256753 | 0.013324953 | 25.31489629 | 10.9114097 |
| TK256754 | 0.014204903 | 25.99308611 | 11.08239775 |
| TK256755 | 0.122690132 | 24.61018228 | 17.17506692 |
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