Table S5. The final SNP (single nucleotide polymorphisms) datasets for analyses only concerning bighorn sheep, including number of SNPs, mean depth of coverage, and the standard deviation of depth of coverage.

|  |  |  |  |
| --- | --- | --- | --- |
| Indviduals | Missing SNPs | Mean Depth of Coverage | Standard Deviation of Depth of Coverage |
| AZ95099 | 0.14545 | 13.93691 | 8.548203 |
| AZ95100 | 0.247871 | 10.92806 | 6.867127 |
| AZ014430 | 0.21952 | 11.95518 | 6.779752 |
| AZ014431 | 0.166069 | 13.30592 | 7.900244 |
| AZ014434 | 0.167078 | 13.36195 | 6.833566 |
| AZ02008 | 0.193187 | 12.82497 | 6.957683 |
| AZ02009 | 0.209883 | 12.39836 | 6.763473 |
| AZ02010 | 0.146907 | 14.13335 | 8.433703 |
| SAE138 | 0.322501 | 10.20899 | 6.323078 |
| SAE140 | 0.106679 | 13.85937 | 6.941572 |
| NV98001 | 0.155984 | 12.27241 | 7.320819 |
| NV98002 | 0.17918 | 12.83729 | 8.558281 |
| NV98003 | 0.217727 | 12.15912 | 7.583153 |
| NV98004 | 0.055805 | 15.74126 | 6.26244 |
| NV98005 | 0.113178 | 15.95787 | 8.48268 |
| NV98006 | 0.15139 | 12.60354 | 6.262867 |
| NV98007 | 0.054908 | 20.06555 | 10.95453 |
| NV98008 | 0.177499 | 13.18501 | 7.688573 |
| NV98011 | 0.108472 | 14.21437 | 6.737559 |
| NV98012 | 0.113738 | 13.27342 | 5.892428 |
| NV98013 | 0.154527 | 14.67257 | 8.691413 |
| NV98014 | 0.183998 | 12.64881 | 8.951232 |
| NV98015 | 0.192627 | 12.37797 | 6.299931 |
| NV98016 | 0.175146 | 12.79975 | 7.416865 |
| NV98017 | 0.12472 | 14.87181 | 7.581433 |
| NV98018 | 0.098723 | 15.17727 | 7.273861 |
| NV98019 | 0.085388 | 15.26771 | 7.817768 |
| NV98009 | 0.365643 | 9.599843 | 6.085314 |
| NV98010 | 0.234984 | 11.78944 | 11.96888 |
| NV94001 | 0.10074 | 15.89332 | 8.393871 |
| NV94008 | 0.10948 | 15.50403 | 7.958883 |
| NV94009 | 0.269722 | 11.08662 | 5.958465 |
| NV94010 | 0.266136 | 11.08068 | 5.808112 |
| NV94014 | 0.35948 | 9.600179 | 5.02103 |
| NV94015 | 0.132228 | 14.02645 | 7.118486 |
| NV94016 | 0.173241 | 13.81309 | 7.473801 |
| NV94020 | 0.207194 | 12.79337 | 8.365937 |
| NV95001 | 0.09861 | 14.33102 | 6.907274 |
| NV95002 | 0.192963 | 12.48835 | 7.000503 |
| NV95003 | 0.338525 | 9.954505 | 5.927723 |
| NV95005 | 0.129987 | 13.35455 | 7.374458 |
| NV95006 | 0.112281 | 15.09715 | 7.199988 |
| NV95008 | 0.070708 | 17.03205 | 7.947807 |
| NV95009 | 0.448342 | 8.92537 | 6.117314 |
| NV95011 | 0.09805 | 18.65374 | 10.08768 |
| NV95012 | 0.280704 | 10.24003 | 5.269046 |
| NV95013 | 0.087293 | 17.64086 | 8.501484 |
| NV95014 | 0.120462 | 13.09065 | 6.274776 |
| NV95015 | 0.054236 | 17.36833 | 7.452523 |
| NV95016 | 0.062528 | 16.2686 | 7.178994 |
| NV95017 | 0.120574 | 17.03115 | 9.416933 |
| NV95018 | 0.099171 | 15.16865 | 6.994908 |
| NV95019 | 0.221313 | 11.27017 | 6.030477 |
| NV95020 | 0.108696 | 13.88727 | 6.440171 |
| NV95021 | 0.267817 | 10.4043 | 5.212113 |
| NV95022 | 0.264904 | 10.48162 | 6.047535 |
| AZ95046 | 0.329673 | 9.600852 | 5.328019 |
| AZ95047 | 0.157553 | 12.70439 | 6.637203 |
| AZ95048 | 0.199238 | 11.90117 | 6.499501 |
| AZ95049 | 0.07082 | 15.7519 | 7.705078 |
| AZ95050 | 0.254146 | 11.04908 | 5.85229 |
| YAQUI1 | 0.301883 | 10.5883 | 6.109735 |
| YAQUI2 | 0.150269 | 13.67022 | 8.040275 |
| YAQUI3 | 0.061183 | 17.50717 | 8.159528 |
| YAQUI4 | 0.163716 | 13.28989 | 7.08406 |
| YAQUI5 | 0.238682 | 12.07362 | 8.477423 |
| TK200911 | 0.0855 | 16.79886 | 8.764044 |
| TK249257 | 0.004482 | 28.51132 | 10.81463 |
| TK249258 | 0.019498 | 36.13234 | 14.04351 |
| TK249259 | 0.017481 | 24.97411 | 9.605936 |
| TK249260 | 0.010421 | 31.86957 | 12.13681 |
| TK249261 | 0.005379 | 34.85421 | 11.97708 |
| TK249262 | 0.016921 | 29.89523 | 11.99738 |
| TK249263 | 0.005267 | 28.96493 | 11.85214 |
| TK249264 | 0.00437 | 31.58079 | 11.06306 |
| TK249265 | 0.002577 | 35.17178 | 13.58535 |
| TK249266 | 0.00762 | 29.80536 | 11.36107 |
| TK249267 | 0.002465 | 36.39825 | 13.99625 |
| TK249268 | 0.005939 | 26.70697 | 10.07432 |
| TK249269 | 0.022411 | 31.08886 | 15.19495 |
| TK249270 | 0.01255 | 25.47624 | 9.726058 |
| TK249271 | 0.005603 | 35.89814 | 13.15522 |
| TK249272 | 0.014904 | 23.0799 | 9.125668 |
| TK249273 | 0.002129 | 30.42212 | 10.77825 |
| TK249274 | 0.017145 | 23.60623 | 9.709026 |
| TK249275 | 0.006051 | 27.68277 | 10.6706 |
| TK249276 | 0.00325 | 31.03944 | 10.76391 |
| TK249277 | 0.009637 | 26.95652 | 10.32061 |
| TK249278 | 0.014119 | 24.01927 | 9.482572 |
| TK249279 | 0.008068 | 26.0623 | 10.12907 |
| TK249280 | 0.010982 | 35.65688 | 13.70182 |
| TK249281 | 0.018265 | 22.76333 | 9.656931 |
| TK249282 | 0.018041 | 24.04023 | 9.856044 |
| TK249283 | 0.011206 | 24.06656 | 9.294637 |
| TK249284 | 0.020955 | 35.3727 | 16.0168 |
| TK249285 | 0.034402 | 31.68422 | 15.13232 |
| TK249286 | 0.017257 | 28.76502 | 12.68572 |
| TK249287 | 0.013223 | 29.08841 | 18.67479 |
| TK249288 | 0.032609 | 21.67212 | 9.500011 |
| TK249289 | 0.025325 | 22.61284 | 10.5741 |
| TK249290 | 0.015352 | 32.68366 | 15.29416 |
| TK249291 | 0.018153 | 23.67066 | 10.54552 |
| TK249292 | 0.017033 | 27.31746 | 12.84412 |
| TK249293 | 0.005043 | 29.98308 | 12.90743 |
| TK249294 | 0.00381 | 33.61665 | 13.97957 |
| TK249295 | 0.014231 | 24.75359 | 10.47455 |
| TK249296 | 0.015128 | 25.98017 | 11.69836 |
| TK249297 | 0.017593 | 24.08292 | 10.4986 |
| TK249298 | 0.046056 | 25.22434 | 13.41271 |
| TK249299 | 0.008292 | 28.41999 | 11.89425 |
| TK249300 | 0.01087 | 27.62954 | 11.93273 |
| TK249302 | 0.031376 | 34.4396 | 21.53447 |
| TK249303 | 0.005939 | 28.42963 | 12.07952 |
| TK249304 | 0.003586 | 33.25952 | 16.24371 |
| TK249305 | 0.002801 | 33.68108 | 14.1043 |
| TK249306 | 0.013559 | 26.43422 | 11.86466 |
| TK249307\_Nov2016 | 0.002689 | 35.26468 | 14.35981 |
| TK256543 | 0.496078 | 15.26793 | 24.21772 |
| TK256544 | 0.010645 | 28.15766 | 9.987862 |
| TK256545 | 0.006387 | 30.22243 | 11.33084 |
| TK256546 | 0.011654 | 29.13581 | 12.05425 |
| TK256547 | 0.088749 | 19.4554 | 15.9811 |
| TK256548 | 0.00381 | 29.39545 | 9.734129 |
| TK256549 | 0.020058 | 43.78407 | 20.47801 |
| TK256550 | 0.007172 | 25.48454 | 9.325564 |
| TK256551 | 0.008965 | 27.51143 | 10.22734 |
| TK256552 | 0.015912 | 28.14343 | 11.12845 |
| TK256553 | 0.010645 | 26.45226 | 10.36123 |
| TK256554 | 0.014343 | 25.41775 | 9.81603 |
| TK256555 | 0.009077 | 27.43165 | 10.46318 |
| TK256556 | 0.006948 | 27.21795 | 10.44891 |
| TK256558 | 0.020843 | 28.62035 | 12.04499 |
| TK256559 | 0.001121 | 42.3011 | 12.75562 |
| TK256560 | 0.006163 | 36.00493 | 13.15244 |
| TK256561 | 0.171896 | 13.91685 | 6.955344 |
| TK256564 | 0.142313 | 14.73297 | 7.43096 |
| TK256573 | 0.002017 | 44.77051 | 15.86833 |
| TK256574 | 0.203832 | 12.58494 | 6.150277 |
| TK256575 | 0.001569 | 43.28418 | 14.74634 |
| TK256576 | 0.001233 | 32.78126 | 10.69567 |
| TK256577 | 0.146011 | 14.73599 | 7.616803 |
| TK256578 | 0.150381 | 17.92436 | 17.63965 |
| TK256582 | 0.048297 | 21.22501 | 14.20753 |
| TK256583 | 0.010421 | 28.14198 | 16.38327 |
| TK256585 | 0.021515 | 25.55681 | 14.87271 |
| TK256609 | 0.066114 | 19.94005 | 15.32641 |
| TK256610 | 0.017705 | 25.55704 | 15.67299 |
| TK256621 | 0.020843 | 23.54101 | 12.97124 |
| TK256622 | 0.014007 | 36.11598 | 13.49195 |
| TK256623 | 0.005715 | 39.11721 | 13.88493 |
| TK256624 | 0.00381 | 33.62102 | 12.56733 |
| TK256625 | 0.01087 | 35.289 | 15.99271 |
| TK256630 | 0.008068 | 36.6115 | 13.66601 |
| TK256633 | 0.004818 | 34.88066 | 15.04598 |
| TK249450 | 0.02723 | 23.44823 | 11.72877 |
| TX001 | 0.128978 | 14.42257 | 6.953082 |
| TX002 | 0.260533 | 11.34648 | 6.406481 |
| TX003 | 0.093792 | 15.17974 | 6.847695 |
| TX004 | 0.139848 | 15.05849 | 8.81208 |
| TX005 | 0.070596 | 16.82721 | 7.94887 |
| TX006 | 0.188144 | 12.80726 | 6.734777 |
| TX007 | 0.219184 | 12.52768 | 8.864971 |
| TX008 | 0.106679 | 15.1747 | 7.146744 |
| TX009 | 0.209547 | 12.76378 | 7.305689 |
| TX010 | 0.109032 | 14.45686 | 6.632324 |
| TK249344 | 0.005827 | 35.63481 | 17.05387 |
| TK249345 | 0.0474 | 29.44834 | 17.50404 |
| TK249346 | 0.022636 | 28.41954 | 14.8331 |
| TK249347 | 0.011878 | 35.12662 | 13.29726 |
| TK249348 | 0.018265 | 26.5297 | 11.73915 |
| TK249349 | 0.189265 | 22.01333 | 18.75101 |
| TK249350 | 0.005155 | 28.93893 | 11.67483 |
| TK249351 | 0.107687 | 27.15072 | 23.492 |
| TK249352 | 0.010197 | 28.78194 | 13.70488 |
| TK249353 | 0.001345 | 42.33214 | 14.1024 |
| TK249354 | 0.001345 | 60.56197 | 16.17898 |
| TK249355 | 0.00381 | 36.02297 | 14.87415 |
| TK249356 | 0.002353 | 38.46246 | 15.81332 |
| TK249357 | 0.005379 | 29.74429 | 12.17136 |
| TK249358 | 0.002689 | 32.92055 | 15.07836 |
| TK249359 | 0.008404 | 33.75067 | 14.78805 |
| TK249360 | 0.001681 | 29.50706 | 10.00838 |
| TK249361 | 0.00762 | 26.83696 | 10.49415 |
| TK249362 | 0.013223 | 24.55188 | 10.18147 |
| TK249363 | 0.011878 | 23.97557 | 9.533256 |
| TK249364 | 0.003922 | 35.1998 | 15.15978 |
| TK249365 | 0.002241 | 32.2565 | 13.16612 |
| TK249366 | 0.006611 | 29.41349 | 11.9154 |
| TK249367 | 0.001345 | 35.73868 | 12.76177 |
| TK249368 | 0.015016 | 24.75291 | 10.28968 |
| TK249369 | 0.004258 | 27.90811 | 10.80197 |
| TK249370 | 0.014455 | 36.76423 | 14.96127 |
| TK249371 | 0.003362 | 30.06903 | 11.52372 |
| TK249372 | 0.005043 | 34.56062 | 14.92875 |
| TK249373 | 0.00762 | 29.35477 | 11.08465 |
| TK249374 | 0.004818 | 29.20058 | 11.54897 |
| TK249375 | 0.01636 | 28.31757 | 12.15434 |
| TK249376 | 0.026558 | 20.52006 | 8.004449 |
| TK249377 | 0.05009 | 23.23891 | 11.84385 |
| TK249378 | 0.0316 | 19.95641 | 8.350833 |
| TK249379 | 0.051546 | 18.42346 | 8.035508 |
| TK249380 | 0.027566 | 20.68725 | 8.783614 |
| TK249381 | 0.015128 | 27.92335 | 11.94235 |
| TK249382 | 0.038772 | 19.24686 | 8.424861 |
| TK249383 | 0.022187 | 21.80177 | 8.935474 |
| TK249384 | 0.00706 | 27.83953 | 11.08401 |
| TK249385 | 0.013671 | 22.81936 | 8.639873 |
| TK249386 | 0.012326 | 25.38144 | 10.02888 |
| TK249387 | 0.046616 | 18.69027 | 8.10983 |
| TK249388 | 0.029807 | 19.57866 | 7.774732 |
| TK249389 | 0.005715 | 26.47098 | 9.693022 |
| TK249390 | 0.00762 | 23.68422 | 8.490735 |
| TK249391 | 0.005603 | 26.41304 | 9.801101 |
| TK249392 | 0.007172 | 26.97098 | 10.10739 |
| TK249393 | 0.01199 | 23.48117 | 9.327817 |
| TK249394 | 0.071268 | 17.24036 | 7.574365 |
| TK249395 | 0.065778 | 20.78093 | 10.43671 |
| TK249396 | 0.035634 | 19.51804 | 8.239387 |
| TK249397 | 0.040229 | 22.69487 | 10.51522 |
| TK249398 | 0.063537 | 21.21067 | 10.70456 |
| TK249399 | 0.010421 | 24.42033 | 9.323433 |
| TK249400 | 0.001345 | 38.8755 | 12.03028 |
| TK249401 | 0.006948 | 26.39825 | 9.604861 |
| TK249402 | 0.008965 | 25.67873 | 9.571685 |
| TK249403 | 0.004146 | 29.81062 | 10.69283 |
| TK249404 | 0.001793 | 31.41697 | 10.59815 |
| TK249405 | 0.009749 | 36.77734 | 16.93771 |
| TK249406 | 0.001569 | 35.46 | 11.68322 |
| TK249407 | 0.002353 | 29.94733 | 10.49551 |
| TK249408 | 0.002689 | 29.23117 | 9.79916 |
| TK249409 | 0.016584 | 23.62326 | 8.787691 |
| TK249410 | 0.030031 | 20.73386 | 8.536733 |
| TK249411 | 0.005491 | 28.25527 | 9.707134 |
| TK249412 | 0.00437 | 30.00034 | 10.06499 |
| TK249413 | 0.004931 | 27.1468 | 9.491791 |
| TK249414 | 0.01199 | 23.41125 | 8.786092 |
| TK249416 | 0.014904 | 24.95406 | 10.92239 |
| TK249417 | 0.002465 | 31.50022 | 10.67199 |
| TK249418 | 0.010421 | 24.43893 | 9.115099 |
| TK249419 | 0.006163 | 29.86419 | 10.28541 |
| TK249420 | 0.024429 | 24.6933 | 9.886726 |
| TK249421 | 0.0158 | 25.72837 | 10.23643 |
| TK249422 | 0.03866 | 19.55939 | 8.470936 |
| TK249423 | 0.017817 | 22.1487 | 8.63862 |
| TK249424 | 0.008404 | 26.62382 | 9.742408 |
| TK249425 | 0.013895 | 21.81197 | 8.23709 |
| TK256684 | 0.007732 | 29.03317 | 12.31148 |
| TK256685 | 0.018265 | 28.76412 | 14.19943 |
| TK256686 | 0.028014 | 26.72512 | 12.35437 |
| TK256687 | 0.018265 | 28.72994 | 13.74964 |
| TK256688 | 0.021739 | 29.13593 | 14.97048 |
| TK256689 | 0.009637 | 28.14691 | 11.47125 |
| TK256690 | 0.21571 | 17.62293 | 13.32232 |
| TK256691 | 0.409346 | 10.95663 | 8.6991 |
| TK256692 | 0.017593 | 30.41708 | 14.37484 |
| TK256693 | 0.367772 | 11.98667 | 9.271959 |
| TK256694 | 0.0539 | 20.73465 | 16.21545 |
| TK256695 | 0.490251 | 12.65677 | 16.55034 |
| TK256696 | 0.060287 | 26.18165 | 14.79645 |
| TK256697 | 0.019498 | 31.71549 | 15.10286 |
| TK256698 | 0.005043 | 27.53832 | 10.89684 |
| TK256699 | 0.203944 | 17.86251 | 13.12035 |
| TK256700 | 0.026782 | 24.91719 | 15.43315 |
| TK256721 | 0.215374 | 17.59021 | 13.56856 |
| TK256722 | 0.356791 | 12.90229 | 10.51491 |
| TK256723 | 0.090206 | 25.32922 | 15.64571 |
| TK256724 | 0.619005 | 7.229494 | 6.228655 |
| TK256725 | 0.306477 | 14.4387 | 11.37633 |
| TK256726 | 0.32026 | 13.60466 | 10.47075 |
| TK256727 | 0.013111 | 28.04931 | 12.1217 |
| TK256728 | 0.006387 | 29.87965 | 11.73794 |
| TK256729 | 0.004818 | 28.77757 | 11.53255 |
| TK256730 | 0.014904 | 28.03138 | 12.35611 |
| TK256731 | 0.006948 | 30.86463 | 12.76395 |
| TK256732 | 0.01143 | 25.95506 | 9.984068 |
| TK256733 | 0.008292 | 28.02532 | 10.88304 |
| TK256734 | 0.014007 | 25.29191 | 10.39304 |
| TK256735 | 0.049417 | 20.18019 | 37.02918 |
| TK256736 | 0.026333 | 29.36329 | 13.81347 |
| TK256737 | 0.001681 | 34.47961 | 12.76539 |
| TK256738 | 0.005603 | 31.80928 | 13.2736 |
| TK256739 | 0.435231 | 17.66316 | 25.56386 |
| TK256740 | 0.006051 | 28.97658 | 11.89314 |
| TK256741 | 0.028911 | 31.43064 | 16.99495 |
| TK256742 | 0.411699 | 16.67503 | 21.10826 |
| TK256743 | 0.006723 | 33.5372 | 14.08343 |
| TK256744 | 0.062192 | 26.64612 | 15.729 |
| TK256745 | 0.009525 | 29.17727 | 12.55674 |
| TK256746 | 0.013447 | 26.74294 | 11.92586 |
| TK256747 | 0.005715 | 30.43725 | 15.01539 |
| TK256748 | 0.022748 | 31.23386 | 16.30748 |
| TK256749 | 0.016136 | 25.45338 | 10.71113 |
| TK256750 | 0.009301 | 29.35545 | 12.80984 |
| TK256751 | 0.081354 | 28.03395 | 18.91135 |
| TK256752 | 0.005827 | 30.44588 | 12.75177 |
| TK256753 | 0.013335 | 25.28059 | 10.84439 |
| TK256754 | 0.013447 | 25.95282 | 11.02726 |
| TK256755 | 0.121806 | 24.59234 | 17.21391 |
| TK256756 | 0.027902 | 31.01569 | 15.10469 |
| TK256757 | 0.008068 | 27.54964 | 11.50061 |
| TK256758 | 0.002577 | 32.3532 | 12.89284 |
| TK256760 | 0.018602 | 24.56567 | 10.913 |
| TK256761 | 0.009861 | 30.89814 | 12.76215 |
| TK256762 | 0.069251 | 29.57508 | 20.08121 |
| TK256763 | 0.009301 | 31.44868 | 13.85628 |
| TK256764 | 0.022299 | 25.42246 | 11.17108 |
| TK256765 | 0.067459 | 27.36777 | 16.59435 |
| TK256766 | 0.006387 | 31.49182 | 13.18386 |
| TK256767 | 0.073622 | 28.91147 | 18.93798 |
| TK256768 | 0.017033 | 32.5632 | 15.59224 |
| TK256769 | 0.126289 | 26.05031 | 21.78736 |
| TK256770 | 0.008516 | 28.07945 | 12.10142 |
| TK256772 | 0.228709 | 25.39792 | 26.9661 |
| TK256773 | 0.013783 | 26.56858 | 11.88449 |
| TK256774 | 0.017929 | 25.09211 | 11.69263 |
| TK256775 | 0.021963 | 24.31264 | 11.03527 |
| TK256776 | 0.003362 | 28.99933 | 12.59421 |
| TK256777 | 0.006835 | 34.40195 | 16.00538 |
| TK256759 | 0.036195 | 22.3039 | 11.91589 |
| TK259800 | 0.022972 | 24.75908 | 11.83549 |
| TK249336 | 0.008965 | 28.52622 | 14.55575 |
| TK249337 | 0.014904 | 29.18814 | 12.4333 |
| TK249343 | 0.381667 | 17.39556 | 21.35583 |
| TK249333 | 0.015576 | 34.55995 | 17.5663 |
| TK249334 | 0.001569 | 35.39198 | 13.21816 |
| TK249335 | 0.005603 | 27.51233 | 11.09527 |
| TK249338 | 0.015576 | 33.85926 | 12.91541 |
| TK249340 | 0.003138 | 44.84659 | 16.75211 |
| TK249341 | 0.033841 | 21.71481 | 14.48658 |
| TK249342 | 0.010085 | 31.40217 | 13.6353 |
| TK249307\_Oct2017 | 0.021739 | 23.85937 | 10.9372 |
| TK249308 | 0.006499 | 26.87887 | 12.44665 |
| TK249309 | 0.018041 | 28.41965 | 13.78631 |
| TK249310 | 0.024429 | 23.06679 | 10.18368 |
| TK249311 | 0.009413 | 27.07216 | 11.70353 |
| TK249312 | 0.040901 | 23.17492 | 11.26786 |
| TK249313 | 0.018826 | 34.34525 | 17.89685 |
| TK249314 | 0.00818 | 26.28026 | 12.35596 |
| TK249315 | 0.019498 | 23.45069 | 9.878503 |
| TK249316 | 0.003922 | 30.48353 | 13.58071 |
| TK249317 | 0.003922 | 36.67223 | 17.43538 |
| TK249318 | 0.007732 | 28.9517 | 11.81419 |
| TK249319 | 0.00874 | 34.47669 | 13.7101 |
| TK249320 | 0.006499 | 35.07239 | 15.59319 |
| TK249321 | 0.001121 | 34.03709 | 13.16601 |
| TK249322 | 0.019834 | 33.77152 | 17.32815 |
| TK249323 | 0.002353 | 39.67907 | 16.17811 |
| TK249324 | 0.012999 | 26.09379 | 11.07682 |
| TK249325 | 0.023756 | 34.73375 | 17.30909 |
| TK249326 | 0.006163 | 33.23117 | 12.40346 |
| TK249330 | 0.046056 | 23.44576 | 13.305 |
| TK249331 | 0.03597 | 22.48779 | 11.95414 |
| TK249332 | 0.037875 | 22.12203 | 10.61446 |
| TK259851 | 0.00874 | 27.22311 | 13.18703 |
| PEBS-2020-004-019 | 0.04684 | 19.40722 | 8.92473 |
| PEBS-2020-004-027 | 0.026446 | 22.75784 | 9.869209 |
| PEBS-2020-004-032 | 0.027118 | 21.89186 | 9.594494 |
| PEBS-2020-004-038 | 0.028351 | 21.15038 | 9.77047 |
| PEBS-2020-004-051 | 0.026446 | 20.85993 | 8.678933 |
| PEBS-2020-004-060 | 0.058046 | 20.83561 | 10.90965 |
| PEBS-2020-004-064 | 0.028238 | 23.11486 | 11.13871 |
| PEBS-2020-004-065 | 0.043366 | 19.6877 | 9.086696 |
| PEBS-2020-004-070 | 0.054348 | 18.76614 | 8.599569 |
| PEBS-2020-004-085 | 0.049753 | 19.71414 | 10.19306 |
| TK259852 | 0.009413 | 27.9182 | 12.33619 |
| TK259853 | 0.025101 | 28.0102 | 17.51741 |
| TK259845 | 0.006948 | 32.02678 | 13.29893 |
| TK259846 | 0.01524 | 26.43478 | 11.44173 |
| TK259847 | 0.057373 | 19.91439 | 11.06561 |
| TK259848 | 0.041237 | 20.28474 | 10.19217 |
| TK259849 | 0.015016 | 26.05894 | 11.66863 |
| TK259850 | 0.025101 | 25.14836 | 14.20089 |