Table S13. Parent-offspring relationships identified by the kinship analyses. Identified parent-offspring cut-offs at approximately: 0.5 (Wang estimator, also includes full-sibling pairs), 0.25 (KING-robust kinship estimator, also includes full-sibling pairs), and a final range of ≤ 0.025 (R0 ratio) and > 0.2 (KING-robust kinship).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Individual 1 | Individual 2 | Population | R0 | R1 | KING-robust | Wang |
| AZ02008 | AZ02009 | Kofa Mtns, Arizona | 0.013441 | 0.576744 | 0.261561 | 0.572 |
| NV98002 | NV98013 | Gabbs Valley, Nevada | 0.018927 | 0.369895 | 0.205387 | 0.4891 |
| NV98003 | NV98010 | Gabbs Valley, Nevada | 0.009836 | 0.472868 | 0.238818 | 0.5521 |
| NV98007 | NV98008 | Gabbs Valley, Nevada | 0.009479 | 0.481735 | 0.241259 | 0.5225 |
| NV94020 | NV95011 | Muddy Mtns, Nevada | 0.005195 | 0.44406 | 0.233028 | 0.4866 |
| NV95006 | NV95008 | Muddy Mtns, Nevada | 0.002283 | 0.584 | 0.268308 | 0.6136 |
| NV95011 | NV95013 | Muddy Mtns, Nevada | 0.007737 | 0.570011 | 0.262777 | 0.5252 |
| TK249257 | TK249258 | Sierra Diablo WMA | 0.001912 | 0.524048 | 0.255017 | 0.5359 |
| TK249269 | TK249273 | Sierra Diablo WMA | 0.002262 | 0.467725 | 0.2407 | 0.5742 |
| TK256544 | TK256625 | Van Horn Mtns | 0.003425 | 0.768421 | 0.301142 | 0.6561 |
| TK256546 | TK249450 | Van Horn Mtns | 0 | 0.609183 | 0.274609 | 0.5953 |
| TK256549 | TK256552 | Van Horn Mtns | 0.001718 | 0.672055 | 0.285855 | 0.5933 |
| TK256552 | TK249450 | Van Horn Mtns | 0.004193 | 0.552083 | 0.260463 | 0.5981 |
| TK256553 | TK256575 | Van Horn Mtns | 0.002101 | 0.556075 | 0.262313 | 0.6197 |
| TK256554 | TK256578 | Van Horn Mtns | 0.011848 | 0.531486 | 0.252296 | 0.58 |
| TK256554 | TK249450 | Van Horn Mtns | 0.003976 | 0.558269 | 0.261942 | 0.5875 |
| TK256558 | TK256582 | Van Horn Mtns | 0.002299 | 0.527913 | 0.255759 | 0.6121 |
| TK256560 | TK256624 | Van Horn Mtns | 0 | 0.558011 | 0.263708 | 0.5986 |
| TK256564 | TK249450 | Van Horn Mtns | 0.014493 | 0.470455 | 0.236193 | 0.5307 |
| TK256573 | TK256577 | Van Horn Mtns | 0 | 0.422136 | 0.22889 | 0.6042 |
| TK256575 | TK256610 | Van Horn Mtns | 0.002232 | 0.48172 | 0.244384 | 0.5874 |
| TK256609 | TK249450 | Van Horn Mtns | 0.009009 | 0.478448 | 0.240618 | 0.5496 |
| TX004 | TK249338 | Elephant Mtn WMA (2000), Basse Mtn | 0.008032 | 0.540717 | 0.256142 | 0.5074 |
| TX005 | TX007 | Elephant Mtn WMA (2000) | 0.002347 | 0.554688 | 0.26189 | 0.5417 |
| TK249344 | TK249396 | Elephant Mtn WMA (2016-2019) | 0.003906 | 0.519797 | 0.253114 | 0.5422 |
| TK249345 | TK249360 | Elephant Mtn WMA (2016-2019) | 0.003752 | 0.533 | 0.256298 | 0.526 |
| TK249347 | TK249365 | Elephant Mtn WMA (2016-2019) | 0 | 0.575605 | 0.267573 | 0.5477 |
| TK249348 | TK256734 | Elephant Mtn WMA (2016-2019) | 0.001953 | 0.513541 | 0.252475 | 0.5429 |
| TK249351 | TK256769 | Elephant Mtn WMA (2016-2019) | 0.017751 | 0.387171 | 0.211277 | 0.527 |
| TK249354 | TK249375 | Elephant Mtn WMA (2016-2019) | 0 | 0.511026 | 0.252726 | 0.532 |
| TK249356 | TK249371 | Elephant Mtn WMA (2016-2019) | 0 | 0.647906 | 0.282212 | 0.6591 |
| TK249357 | TK249365 | Elephant Mtn WMA (2016-2019) | 0 | 0.508325 | 0.252064 | 0.5431 |
| TK249358 | TK249419 | Elephant Mtn WMA (2016-2019) | 0.001786 | 0.54741 | 0.260504 | 0.5391 |
| TK249358 | TK256762 | Elephant Mtn WMA (2016-2019) | 0.003976 | 0.537968 | 0.257349 | 0.5538 |
| TK249359 | TK256726 | Elephant Mtn WMA (2016-2019) | 0 | 0.562592 | 0.264726 | 0.5668 |
| TK249361 | TK249377 | Elephant Mtn WMA (2016-2019) | 0 | 0.557773 | 0.263654 | 0.5528 |
| TK249361 | TK249401 | Elephant Mtn WMA (2016-2019) | 0.003484 | 0.561095 | 0.262794 | 0.534 |
| TK249362 | TK249422 | Elephant Mtn WMA (2016-2019) | 0.002273 | 0.430108 | 0.230284 | 0.5172 |
| TK249364 | TK249372 | Elephant Mtn WMA (2016-2019) | 0 | 0.557594 | 0.263614 | 0.5602 |
| TK249365 | TK249369 | Elephant Mtn WMA (2016-2019) | 0 | 0.515034 | 0.253703 | 0.5423 |
| TK249365 | TK249413 | Elephant Mtn WMA (2016-2019) | 0 | 0.555215 | 0.263081 | 0.5624 |
| TK249365 | TK256693 | Elephant Mtn WMA (2016-2019) | 0 | 0.520548 | 0.255034 | 0.5588 |
| TK249365 | TK256730 | Elephant Mtn WMA (2016-2019) | 0.001965 | 0.496585 | 0.248286 | 0.5351 |
| TK249367 | TK249418 | Elephant Mtn WMA (2016-2019) | 0.002008 | 0.512873 | 0.252289 | 0.5583 |
| TK249367 | TK256729 | Elephant Mtn WMA (2016-2019) | 0 | 0.615213 | 0.275827 | 0.5982 |
| TK249368 | TK249377 | Elephant Mtn WMA (2016-2019) | 0.004158 | 0.504193 | 0.249216 | 0.5462 |
| TK249369 | TK249406 | Elephant Mtn WMA (2016-2019) | 0 | 0.497589 | 0.249396 | 0.5382 |
| TK249370 | TK256749 | Elephant Mtn WMA (2016-2019) | 0 | 0.542169 | 0.260116 | 0.5321 |
| TK249370 | TK256757 | Elephant Mtn WMA (2016-2019) | 0 | 0.5861 | 0.269819 | 0.5539 |
| TK249372 | TK249393 | Elephant Mtn WMA (2016-2019) | 0 | 0.47723 | 0.244175 | 0.5251 |
| TK249372 | TK256752 | Elephant Mtn WMA (2016-2019) | 0.002088 | 0.430755 | 0.230546 | 0.4967 |
| TK249373 | TK249375 | Elephant Mtn WMA (2016-2019) | 0 | 0.544266 | 0.260597 | 0.5462 |
| TK249373 | TK256692 | Elephant Mtn WMA (2016-2019) | 0 | 0.516583 | 0.254078 | 0.5379 |
| TK249373 | TK256765 | Elephant Mtn WMA (2016-2019) | 0.006148 | 0.481262 | 0.242577 | 0.5108 |
| TK249374 | TK249378 | Elephant Mtn WMA (2016-2019) | 0.006565 | 0.467758 | 0.238877 | 0.5454 |
| TK249374 | TK249416 | Elephant Mtn WMA (2016-2019) | 0.002174 | 0.453649 | 0.236937 | 0.5371 |
| TK249375 | TK249423 | Elephant Mtn WMA (2016-2019) | 0.005396 | 0.588983 | 0.267901 | 0.5581 |
| TK249376 | TK249394 | Elephant Mtn WMA (2016-2019) | 0 | 0.615385 | 0.275862 | 0.5813 |
| TK249377 | TK256689 | Elephant Mtn WMA (2016-2019) | 0 | 0.510684 | 0.252643 | 0.5578 |
| TK249378 | TK256777 | Elephant Mtn WMA (2016-2019) | 0.004193 | 0.482794 | 0.243814 | 0.5416 |
| TK249379 | TK256744 | Elephant Mtn WMA (2016-2019) | 0.004132 | 0.511628 | 0.251046 | 0.519 |
| TK249379 | TK256761 | Elephant Mtn WMA (2016-2019) | 0.002096 | 0.485743 | 0.245478 | 0.5299 |
| TK249380 | TK256723 | Elephant Mtn WMA (2016-2019) | 0.007561 | 0.527418 | 0.253281 | 0.4701 |
| TK249380 | TK256765 | Elephant Mtn WMA (2016-2019) | 0.007246 | 0.409496 | 0.222222 | 0.505 |
| TK249382 | TK256728 | Elephant Mtn WMA (2016-2019) | 0 | 0.526108 | 0.256361 | 0.5292 |
| TK249385 | TK256728 | Elephant Mtn WMA (2016-2019) | 0.001866 | 0.524462 | 0.255136 | 0.535 |
| TK249386 | TK249425 | Elephant Mtn WMA (2016-2019) | 0 | 0.512821 | 0.253165 | 0.5521 |
| TK249386 | TK256733 | Elephant Mtn WMA (2016-2019) | 0 | 0.514573 | 0.253591 | 0.5457 |
| TK249387 | TK249392 | Elephant Mtn WMA (2016-2019) | 0 | 0.665753 | 0.285546 | 0.6614 |
| TK249387 | TK256772 | Elephant Mtn WMA (2016-2019) | 0.012685 | 0.625661 | 0.271816 | 0.5312 |
| TK249389 | TK249414 | Elephant Mtn WMA (2016-2019) | 0.001739 | 0.573852 | 0.266388 | 0.5443 |
| TK249389 | TK256697 | Elephant Mtn WMA (2016-2019) | 0 | 0.478599 | 0.244533 | 0.5301 |
| TK249390 | TK249418 | Elephant Mtn WMA (2016-2019) | 0.004202 | 0.479839 | 0.243048 | 0.5452 |
| TK249395 | TK249424 | Elephant Mtn WMA (2016-2019) | 0.002353 | 0.43905 | 0.232801 | 0.5348 |
| TK249396 | TK249407 | Elephant Mtn WMA (2016-2019) | 0.001916 | 0.514286 | 0.252672 | 0.5314 |
| TK249399 | TK256738 | Elephant Mtn WMA (2016-2019) | 0.012245 | 0.44586 | 0.230584 | 0.4941 |
| TK249401 | TK256740 | Elephant Mtn WMA (2016-2019) | 0.003597 | 0.555445 | 0.261487 | 0.545 |
| TK249402 | TK249408 | Elephant Mtn WMA (2016-2019) | 0.005747 | 0.564935 | 0.262595 | 0.5797 |
| TK249403 | TK256768 | Elephant Mtn WMA (2016-2019) | 0.001776 | 0.581612 | 0.268036 | 0.5608 |
| TK249409 | TK249422 | Elephant Mtn WMA (2016-2019) | 0.004082 | 0.542636 | 0.258373 | 0.563 |
| TK249417 | TK249418 | Elephant Mtn WMA (2016-2019) | 0.004376 | 0.463489 | 0.238672 | 0.5493 |
| TK249418 | TK256723 | Elephant Mtn WMA (2016-2019) | 0 | 0.568205 | 0.265963 | 0.497 |
| TK249420 | TK256768 | Elephant Mtn WMA (2016-2019) | 0 | 0.653543 | 0.283276 | 0.5818 |
| TK249421 | TK256748 | Elephant Mtn WMA (2016-2019) | 0 | 0.543299 | 0.260375 | 0.5409 |
| TK249425 | TK256695 | Elephant Mtn WMA (2016-2019) | 0.013746 | 0.539889 | 0.253357 | 0.5183 |
| TK256685 | TK256762 | Elephant Mtn WMA (2016-2019) | 0.004274 | 0.478528 | 0.242678 | 0.5274 |
| TK256686 | TK256689 | Elephant Mtn WMA (2016-2019) | 0.001984 | 0.5212 | 0.254306 | 0.5406 |
| TK256687 | TK256700 | Elephant Mtn WMA (2016-2019) | 0.008368 | 0.479438 | 0.241149 | 0.5308 |
| TK256689 | TK256775 | Elephant Mtn WMA (2016-2019) | 0 | 0.444131 | 0.235206 | 0.5104 |
| TK256690 | TK256754 | Elephant Mtn WMA (2016-2019) | 0.002445 | 0.499389 | 0.248778 | 0.5401 |
| TK256694 | TK256743 | Elephant Mtn WMA (2016-2019) | 0.00641 | 0.467066 | 0.23876 | 0.5265 |
| TK256699 | TK256723 | Elephant Mtn WMA (2016-2019) | 0.002066 | 0.578256 | 0.267184 | 0.4767 |
| TK256721 | TK256759 | Elephant Mtn WMA (2016-2019) | 0.002421 | 0.495798 | 0.247889 | 0.5383 |
| TK256723 | TK256776 | Elephant Mtn WMA (2016-2019) | 0.00313 | 0.645455 | 0.280229 | 0.4927 |
| TK256725 | TK256763 | Elephant Mtn WMA (2016-2019) | 0 | 0.579487 | 0.268409 | 0.4894 |
| TK256726 | TK256769 | Elephant Mtn WMA (2016-2019) | 0.006192 | 0.46408 | 0.23806 | 0.5328 |
| TK256727 | TK256728 | Elephant Mtn WMA (2016-2019) | 0 | 0.584946 | 0.269574 | 0.5798 |
| TK256732 | TK256758 | Elephant Mtn WMA (2016-2019) | 0.003992 | 0.497517 | 0.247633 | 0.5416 |
| TK256734 | TK256735 | Elephant Mtn WMA (2016-2019) | 0.006198 | 0.510011 | 0.249739 | 0.5475 |
| TK256736 | TK256765 | Elephant Mtn WMA (2016-2019) | 0.009901 | 0.509586 | 0.247996 | 0.5175 |
| TK256736 | TK256767 | Elephant Mtn WMA (2016-2019) | 0.007229 | 0.408867 | 0.222041 | 0.4972 |
| TK256756 | TK256758 | Elephant Mtn WMA (2016-2019) | 0.001724 | 0.60733 | 0.273415 | 0.5491 |
| TK256756 | TK256773 | Elephant Mtn WMA (2016-2019) | 0 | 0.715536 | 0.294329 | 0.5639 |
| TK256760 | TK256769 | Elephant Mtn WMA (2016-2019) | 0.008929 | 0.471083 | 0.238741 | 0.5116 |
| TK256769 | TK256759 | Elephant Mtn WMA (2016-2019) | 0.008333 | 0.539933 | 0.255827 | 0.537 |
| TK256759 | TK259800 | Elephant Mtn WMA (2016-2019) | 0.00207 | 0.482517 | 0.244659 | 0.5345 |
| TK249336 | TK249333 | Dove Mtn | 0.001701 | 0.528302 | 0.256119 | 0.4993 |
| TK249307\_Oct2017 | TK249312 | Black Gap WMA | 0.004237 | 0.429872 | 0.229412 | 0.4889 |
| TK249307\_Oct2017 | TK249319 | Black Gap WMA | 0 | 0.565455 | 0.265358 | 0.5024 |
| TK249307\_Oct2017 | TK249320 | Black Gap WMA | 0.005929 | 0.536017 | 0.256016 | 0.5749 |
| TK249319 | TK249320 | Black Gap WMA | 0.00339 | 0.704898 | 0.290819 | 0.6248 |
| TK249330 | TK249331 | Black Gap WMA | 0.002053 | 0.50258 | 0.249743 | 0.5472 |