Table S2. RAD-seq dataset characteristics, detailing the total and retained number of reads per individual and the average and standard deviation for the entire dataset.

|  |  |  |
| --- | --- | --- |
| Sample | Total Reads | Retained Reads |
| TK259854 | 10339066 | 10295020 |
| AZ95099 | 6304760 | 6297044 |
| AZ95100 | 3892084 | 3882494 |
| AZ014430 | 5325856 | 5320737 |
| AZ014431 | 6333422 | 6327008 |
| AZ014434 | 5542580 | 5536830 |
| AZ02008 | 4922546 | 4917197 |
| AZ02009 | 5430402 | 5423187 |
| AZ02010 | 5829066 | 5821090 |
| SAE138 | 4627612 | 4620953 |
| SAE140 | 6254068 | 6248704 |
| NV98001 | 4906412 | 4894651 |
| NV98002 | 6107330 | 6101683 |
| NV98003 | 6161846 | 6155454 |
| NV98004 | 5240772 | 5227869 |
| NV98005 | 5248216 | 5242960 |
| NV98006 | 4258180 | 4248465 |
| NV98007 | 6787392 | 6780561 |
| NV98008 | 5583004 | 5575414 |
| NV98011 | 4315850 | 4305809 |
| NV98012 | 4350164 | 4338994 |
| NV98013 | 4930288 | 4923680 |
| NV98014 | 4643608 | 4637572 |
| NV98015 | 4491958 | 4488245 |
| NV98016 | 5512634 | 5507063 |
| NV98017 | 5037878 | 5033346 |
| NV98018 | 5658602 | 5651437 |
| NV98019 | 6064198 | 6056314 |
| NV98009 | 4190860 | 4187267 |
| NV98010 | 7797614 | 7789866 |
| NV94001 | 6365298 | 6357181 |
| NV94008 | 5435054 | 5429683 |
| NV94009 | 3982876 | 3979170 |
| NV94010 | 4229708 | 4225779 |
| NV94014 | 3441564 | 3437297 |
| NV94015 | 5867808 | 5860825 |
| NV94016 | 5236470 | 5230982 |
| NV94020 | 5141934 | 5135987 |
| NV95001 | 4500412 | 4495464 |
| NV95002 | 4868534 | 4864249 |
| NV95003 | 4775186 | 4770242 |
| NV95005 | 4285746 | 4274934 |
| NV95006 | 4510274 | 4505786 |
| NV95008 | 4858866 | 4854061 |
| NV95009 | 3768540 | 3764307 |
| NV95011 | 4709924 | 4703792 |
| NV95012 | 3740638 | 3731393 |
| NV95013 | 4507102 | 4501317 |
| NV95014 | 4571086 | 4560411 |
| NV95015 | 4944354 | 4940295 |
| NV95016 | 5076090 | 5071106 |
| NV95017 | 4759214 | 4754469 |
| NV95018 | 4573554 | 4567965 |
| NV95019 | 4202662 | 4192669 |
| NV95020 | 4032284 | 4022308 |
| NV95021 | 3546370 | 3537807 |
| NV95022 | 4105178 | 4095186 |
| AZ95046 | 3837958 | 3829187 |
| AZ95047 | 4431182 | 4425297 |
| AZ95048 | 4309154 | 4305655 |
| AZ95049 | 5105102 | 5100358 |
| AZ95050 | 4319254 | 4308959 |
| YAQUI1 | 4491046 | 4484948 |
| YAQUI2 | 5857906 | 5853101 |
| YAQUI3 | 5788508 | 5782712 |
| YAQUI4 | 5263190 | 5258234 |
| YAQUI5 | 6662914 | 6653983 |
| TK200911 | 5691342 | 5129626 |
| TK249257 | 7527958 | 6847268 |
| TK249258 | 7997292 | 7277638 |
| TK249259 | 7081206 | 6441400 |
| TK249260 | 7280498 | 6622244 |
| TK249261 | 8041462 | 7321186 |
| TK249262 | 7483098 | 6803492 |
| TK249263 | 7118562 | 6465409 |
| TK249264 | 8030888 | 7020173 |
| TK249265 | 7867696 | 7142372 |
| TK249266 | 6942492 | 6316316 |
| TK249267 | 7743164 | 7042419 |
| TK249268 | 6198302 | 5651392 |
| TK249269 | 6824544 | 6192055 |
| TK249270 | 6613272 | 5804836 |
| TK249271 | 8583068 | 7488867 |
| TK249272 | 6885968 | 5999570 |
| TK249273 | 7834118 | 6849977 |
| TK249274 | 5996518 | 5428155 |
| TK249275 | 7465544 | 6735308 |
| TK249276 | 7484144 | 6833215 |
| TK249277 | 7180184 | 6503685 |
| TK249278 | 6373368 | 5749918 |
| TK249279 | 6487078 | 5928704 |
| TK249280 | 7704264 | 7026958 |
| TK249281 | 6219296 | 5644457 |
| TK249282 | 6030828 | 5408475 |
| TK249283 | 6813894 | 5839801 |
| TK249284 | 7620360 | 6913285 |
| TK249285 | 7153074 | 6444048 |
| TK249286 | 7375274 | 6629609 |
| TK249287 | 12946248 | 12890101 |
| TK249288 | 6158162 | 5546710 |
| TK249289 | 5596310 | 5186738 |
| TK249290 | 7989908 | 7319756 |
| TK249291 | 7107192 | 6271427 |
| TK249292 | 6459270 | 5915158 |
| TK249293 | 7557020 | 6939584 |
| TK249294 | 7973900 | 7315709 |
| TK249295 | 6354780 | 5844610 |
| TK249296 | 6589316 | 6031327 |
| TK249297 | 6775770 | 6003777 |
| TK249298 | 6979382 | 6145767 |
| TK249299 | 7367456 | 6471674 |
| TK249300 | 7158134 | 6310621 |
| TK249302 | 7542118 | 6886509 |
| TK249303 | 7056028 | 6422998 |
| TK249304 | 12483750 | 12429947 |
| TK249305 | 8091238 | 7398494 |
| TK249306 | 6438636 | 5867068 |
| TK249307\_Nov2016 | 8225592 | 7581132 |
| TK256543 | 10327332 | 9275208 |
| TK256544 | 8349300 | 7024003 |
| TK256545 | 9282028 | 7814791 |
| TK256546 | 8770278 | 7381347 |
| TK256547 | 10901798 | 10854702 |
| TK256548 | 8381186 | 7067307 |
| TK256549 | 21039200 | 15870065 |
| TK256550 | 7150610 | 6006902 |
| TK256551 | 7550374 | 6366705 |
| TK256552 | 8001328 | 6735509 |
| TK256553 | 7622530 | 6411584 |
| TK256554 | 6969642 | 5838272 |
| TK256555 | 8299714 | 6947908 |
| TK256556 | 7585718 | 6382399 |
| TK256558 | 8176848 | 6867224 |
| TK256559 | 10165624 | 9235856 |
| TK256560 | 8574086 | 7796172 |
| TK256561 | 3193480 | 3047194 |
| TK256564 | 3528642 | 3369436 |
| TK256573 | 10891340 | 9902765 |
| TK256574 | 3097376 | 2959845 |
| TK256575 | 11086076 | 10074596 |
| TK256576 | 8130266 | 7398919 |
| TK256577 | 3845352 | 3597671 |
| TK256578 | 11040788 | 10991986 |
| TK256582 | 10192248 | 10147488 |
| TK256583 | 12466762 | 12412945 |
| TK256585 | 10550806 | 10503540 |
| TK256609 | 9865994 | 9823571 |
| TK256610 | 11369076 | 11318907 |
| TK256621 | 10065376 | 10023060 |
| TK256622 | 8666196 | 7881868 |
| TK256623 | 9813806 | 8927235 |
| TK256624 | 8396154 | 7652684 |
| TK256625 | 8705944 | 7933724 |
| TK256630 | 8914076 | 8111697 |
| TK256633 | 9068082 | 8250908 |
| TK249450 | 6785098 | 6305846 |
| 2000\_TX001 | 4646066 | 4641294 |
| 2000\_TX002 | 4918960 | 4912616 |
| 2000\_TX003 | 4455922 | 4451534 |
| 2000\_TX004 | 6201714 | 6196087 |
| 2000\_TX005 | 5368670 | 5363651 |
| 2000\_TX006 | 4949448 | 4942687 |
| 2000\_TX007 | 6709146 | 6700846 |
| 2000\_TX008 | 4441514 | 4436965 |
| 2000\_TX009 | 4538984 | 4533681 |
| 2000\_TX010 | 4394152 | 4389237 |
| TK249344 | 8933522 | 7630986 |
| TK249345 | 7580242 | 6455919 |
| TK249346 | 7622524 | 6487487 |
| TK249347 | 8718130 | 7450316 |
| TK249348 | 8290594 | 7066710 |
| TK249349 | 13056958 | 11752986 |
| TK249350 | 7154742 | 6437699 |
| TK249351 | 14522282 | 13094838 |
| TK249352 | 6453580 | 6006473 |
| TK249353 | 19574576 | 14799929 |
| TK249354 | 23789378 | 17978916 |
| TK249355 | 8103880 | 7248171 |
| TK249356 | 8479736 | 7612865 |
| TK249357 | 7064178 | 6331360 |
| TK249358 | 11733866 | 11684607 |
| TK249359 | 7824250 | 7000260 |
| TK249360 | 11214850 | 8993401 |
| TK249361 | 7544636 | 6439592 |
| TK249362 | 7545542 | 6423641 |
| TK249363 | 6531674 | 5589790 |
| TK249364 | 7868178 | 7015270 |
| TK249365 | 8025588 | 7133550 |
| TK249366 | 6989352 | 6295843 |
| TK249367 | 15374382 | 11904375 |
| TK249368 | 6626586 | 5886631 |
| TK249369 | 6886164 | 6207838 |
| TK249370 | 7958362 | 7160617 |
| TK249371 | 7190146 | 6436584 |
| TK249372 | 7895666 | 6966608 |
| TK249373 | 8337468 | 6952175 |
| TK249374 | 7383554 | 6601667 |
| TK249375 | 7478164 | 6636536 |
| TK249376 | 6717290 | 5467119 |
| TK249377 | 6682732 | 5442508 |
| TK249378 | 6883456 | 5595678 |
| TK249379 | 6396960 | 5214310 |
| TK249380 | 6803558 | 5541800 |
| TK249381 | 7557402 | 6166252 |
| TK249382 | 7031670 | 5727703 |
| TK249383 | 6501954 | 5292620 |
| TK249384 | 7715060 | 6289198 |
| TK249385 | 7001316 | 5700428 |
| TK249386 | 7932852 | 6465963 |
| TK249387 | 6439114 | 5233248 |
| TK249388 | 6445166 | 5233842 |
| TK249389 | 7858526 | 6413587 |
| TK249390 | 9529044 | 7310171 |
| TK249391 | 7895830 | 6411405 |
| TK249392 | 8017566 | 6548217 |
| TK249393 | 7075820 | 5767414 |
| TK249394 | 5921606 | 4810762 |
| TK249395 | 6037070 | 4874984 |
| TK249396 | 6909746 | 5571691 |
| TK249397 | 6518634 | 5294151 |
| TK249398 | 6586106 | 5337570 |
| TK249399 | 6990798 | 6355628 |
| TK249400 | 8863048 | 8059597 |
| TK249401 | 7228208 | 6577844 |
| TK249402 | 6700060 | 6103227 |
| TK249403 | 7528012 | 6850339 |
| TK249404 | 7659416 | 6971844 |
| TK249405 | 7855062 | 7150039 |
| TK249406 | 8094402 | 7367986 |
| TK249407 | 7960368 | 7238264 |
| TK249408 | 7385698 | 6713922 |
| TK249409 | 6678080 | 6072910 |
| TK249410 | 6075788 | 5531809 |
| TK249411 | 7161320 | 6509931 |
| TK249412 | 7971908 | 7255139 |
| TK249413 | 7329002 | 6663805 |
| TK249414 | 6622062 | 6017643 |
| TK249416 | 6765354 | 6112395 |
| TK249417 | 7490700 | 6819830 |
| TK249418 | 7867926 | 6617972 |
| TK249419 | 8791218 | 7393147 |
| TK249420 | 7049366 | 5933091 |
| TK249421 | 7281300 | 6137579 |
| TK249422 | 6443166 | 5423045 |
| TK249423 | 7007974 | 5905642 |
| TK249424 | 7985732 | 6725512 |
| TK249425 | 6570714 | 5529264 |
| TK256684 | 8054166 | 7325173 |
| TK256685 | 7118670 | 6473024 |
| TK256686 | 6144140 | 5599120 |
| TK256687 | 6401130 | 5834991 |
| TK256688 | 6846470 | 6234140 |
| TK256689 | 7010102 | 6386821 |
| TK256690 | 9378030 | 7925030 |
| TK256691 | 7718670 | 5969067 |
| TK256692 | 7923102 | 7202443 |
| TK256693 | 7693146 | 5841941 |
| TK256694 | 10425084 | 10378541 |
| TK256695 | 7435220 | 6705671 |
| TK256696 | 6186002 | 5628422 |
| TK256697 | 7481440 | 6816973 |
| TK256698 | 12800678 | 9977681 |
| TK256699 | 8762766 | 7294687 |
| TK256700 | 11404036 | 11353038 |
| TK256721 | 7946868 | 6789759 |
| TK256722 | 5860162 | 4940181 |
| TK256723 | 5890988 | 5369553 |
| TK256724 | 6675320 | 4729635 |
| TK256725 | 7321350 | 6112796 |
| TK256726 | 7467958 | 6170448 |
| TK256727 | 7683284 | 6563467 |
| TK256728 | 8828888 | 7542833 |
| TK256729 | 8415550 | 7191393 |
| TK256730 | 7446374 | 6373757 |
| TK256731 | 8362212 | 7149748 |
| TK256732 | 7329394 | 6273054 |
| TK256733 | 8098228 | 6922954 |
| TK256734 | 6951936 | 5942197 |
| TK256735 | 21069910 | 20936245 |
| TK256736 | 7638014 | 6526553 |
| TK256737 | 9358696 | 7999324 |
| TK256738 | 8199604 | 7530149 |
| TK256739 | 9770720 | 8800955 |
| TK256740 | 7571576 | 6968480 |
| TK256741 | 7157618 | 6587238 |
| TK256742 | 9027324 | 8145567 |
| TK256743 | 9002882 | 8278103 |
| TK256744 | 6341506 | 5894166 |
| TK256745 | 7201138 | 6494590 |
| TK256746 | 6085358 | 5659800 |
| TK256747 | 10065060 | 10020237 |
| TK256748 | 6984926 | 6501030 |
| TK256749 | 5987762 | 5587311 |
| TK256750 | 7373908 | 6854526 |
| TK256751 | 6748922 | 6110751 |
| TK256752 | 7823192 | 7047464 |
| TK256753 | 7052766 | 6339418 |
| TK256754 | 7088560 | 6396387 |
| TK256755 | 5516842 | 5119118 |
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| TK256757 | 7033720 | 6575504 |
| TK256758 | 8164808 | 7581922 |
| TK256760 | 6236362 | 5773146 |
| TK256761 | 7582136 | 7088191 |
| TK256762 | 6462458 | 6027222 |
| TK256763 | 6707344 | 6240347 |
| TK256764 | 6296108 | 5800355 |
| TK256765 | 6499946 | 5775500 |
| TK256766 | 6813404 | 6337268 |
| TK256767 | 6808140 | 6298845 |
| TK256768 | 7257978 | 6713246 |
| TK256769 | 15533968 | 13985992 |
| TK256770 | 7222246 | 6698179 |
| TK256772 | 14086856 | 12683906 |
| TK256773 | 6350666 | 5917355 |
| TK256774 | 6390016 | 5935395 |
| TK256775 | 5684214 | 5231627 |
| TK256776 | 9966500 | 9923435 |
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| TK256759 | 6972400 | 6279715 |
| TK259800 | 6717746 | 6234350 |
| TK249336 | 12073582 | 12021840 |
| TK249337 | 7774028 | 6630640 |
| TK249343 | 9250768 | 8325621 |
| TK249333 | 7829162 | 7196360 |
| TK249334 | 8747946 | 8032907 |
| TK249335 | 7072134 | 6502697 |
| TK249338 | 8943014 | 7653286 |
| TK249340 | 18231404 | 13973512 |
| TK249341 | 10501618 | 10455815 |
| TK249342 | 8196766 | 7016200 |
| TK249307\_Oct2017 | 5919736 | 5442035 |
| TK249308 | 9445654 | 9405418 |
| TK249309 | 6788760 | 6146280 |
| TK249310 | 6369736 | 5504109 |
| TK249311 | 7034302 | 6439913 |
| TK249312 | 6387568 | 5806348 |
| TK249313 | 8011234 | 7362028 |
| TK249314 | 10228724 | 10184259 |
| TK249315 | 5997270 | 5519341 |
| TK249316 | 9049436 | 9010315 |
| TK249317 | 8305706 | 7638000 |
| TK249318 | 7027022 | 6466732 |
| TK249319 | 8152154 | 7495377 |
| TK249320 | 8177226 | 7520915 |
| TK249321 | 8202962 | 7534506 |
| TK249322 | 7829508 | 7194124 |
| TK249323 | 8883432 | 8156124 |
| TK249324 | 6720942 | 6187397 |
| TK249325 | 8178034 | 7513493 |
| TK249326 | 8238804 | 7574868 |
| TK249330 | 5639936 | 5243638 |
| TK249331 | 5572942 | 5192567 |
| TK249332 | 5799536 | 5383418 |
| TK259851 | 10415912 | 10372102 |
| PEBS-2020-004-019 | 5815818 | 5796696 |
| PEBS-2020-004-027 | 6736838 | 6695656 |
| PEBS-2020-004-032 | 6623984 | 6613558 |
| PEBS-2020-004-038 | 6204990 | 6195487 |
| PEBS-2020-004-051 | 6032218 | 6016235 |
| PEBS-2020-004-060 | 6427982 | 6402655 |
| PEBS-2020-004-064 | 6926248 | 6893415 |
| PEBS-2020-004-065 | 6348888 | 6327930 |
| PEBS-2020-004-070 | 5962882 | 5895820 |
| PEBS-2020-004-085 | 6633744 | 6589772 |
| TK259852 | 6866996 | 6392680 |
| TK259853 | 11266802 | 11219443 |
| TK259845 | 8454240 | 7820932 |
| TK259846 | 7045418 | 6576116 |
| TK259847 | 5768984 | 5349088 |
| TK259848 | 5838912 | 5395270 |
| TK259849 | 6953324 | 6494463 |
| TK259850 | 6820878 | 6356710 |
| SUM | 2744566272 | 2498735120 |
| AVERAGE | 7358086.52 | 6699021.769 |
| STANDARD DEVIATION | 2486574.729 | 2112150.281 |