

**Supplementary Table S1 :** Ampliseq custom panels used for validation of mutations in 88 genes and copy number alterations (CNA) in 13 genes

**LNET Custom Panel 1**  
for mutational analysis

| GENE   | CHR  | START    | END      |
|--------|------|----------|----------|
| ARID1A | chr1 | 27023412 | 27023521 |
| ARID1A | chr1 | 27024045 | 27024151 |
| ARID1A | chr1 | 27055998 | 27056119 |
| ARID1A | chr1 | 27056108 | 27056238 |
| ARID1A | chr1 | 27056216 | 27056335 |
| ARID1A | chr1 | 27056308 | 27056406 |
| ARID1A | chr1 | 27057575 | 27057695 |
| ARID1A | chr1 | 27057684 | 27057817 |
| ARID1A | chr1 | 27057809 | 27057940 |
| ARID1A | chr1 | 27057916 | 27058047 |
| ARID1A | chr1 | 27058069 | 27058149 |
| ARID1A | chr1 | 27059115 | 27059243 |
| ARID1A | chr1 | 27059232 | 27059333 |
| ARID1A | chr1 | 27087282 | 27087405 |
| ARID1A | chr1 | 27087371 | 27087442 |
| ARID1A | chr1 | 27087477 | 27087606 |
| ARID1A | chr1 | 27087599 | 27087705 |
| ARID1A | chr1 | 27087816 | 27087941 |
| ARID1A | chr1 | 27087936 | 27088019 |
| ARID1A | chr1 | 27088576 | 27088700 |
| ARID1A | chr1 | 27088658 | 27088752 |
| ARID1A | chr1 | 27088741 | 27088860 |
| ARID1A | chr1 | 27089349 | 27089478 |
| ARID1A | chr1 | 27089445 | 27089557 |
| ARID1A | chr1 | 27089602 | 27089710 |
| ARID1A | chr1 | 27089672 | 27089751 |
| ARID1A | chr1 | 27092654 | 27092779 |
| ARID1A | chr1 | 27092768 | 27092863 |
| ARID1A | chr1 | 27092852 | 27092932 |
| ARID1A | chr1 | 27092921 | 27093035 |
| ARID1A | chr1 | 27093022 | 27093107 |
| ARID1A | chr1 | 27094226 | 27094352 |

**LNET Custom Panel 2**  
for mutational analysis

| GENE  | CHR  | START     | END       |
|-------|------|-----------|-----------|
| CSMD3 | chr8 | 113236965 | 113237091 |
| CSMD3 | chr8 | 113237080 | 113237179 |
| CSMD3 | chr8 | 113240930 | 113241041 |
| CSMD3 | chr8 | 113241030 | 113241097 |
| CSMD3 | chr8 | 113243758 | 113243875 |
| CSMD3 | chr8 | 113246540 | 113246623 |
| CSMD3 | chr8 | 113246612 | 113246705 |
| CSMD3 | chr8 | 113246701 | 113246810 |
| CSMD3 | chr8 | 113249405 | 113249480 |
| CSMD3 | chr8 | 113249469 | 113249590 |
| CSMD3 | chr8 | 113253902 | 113254006 |
| CSMD3 | chr8 | 113253995 | 113254098 |
| CSMD3 | chr8 | 113256567 | 113256692 |
| CSMD3 | chr8 | 113256681 | 113256796 |
| CSMD3 | chr8 | 113259193 | 113259293 |
| CSMD3 | chr8 | 113259282 | 113259394 |
| CSMD3 | chr8 | 113266437 | 113266526 |
| CSMD3 | chr8 | 113266515 | 113266595 |
| CSMD3 | chr8 | 113267468 | 113267542 |
| CSMD3 | chr8 | 113267531 | 113267607 |
| CSMD3 | chr8 | 113267596 | 113267710 |
| CSMD3 | chr8 | 113275814 | 113275935 |
| CSMD3 | chr8 | 113275926 | 113276049 |
| CSMD3 | chr8 | 113277629 | 113277727 |
| CSMD3 | chr8 | 113277716 | 113277829 |
| CSMD3 | chr8 | 113293312 | 113293436 |
| CSMD3 | chr8 | 113293426 | 113293505 |
| CSMD3 | chr8 | 113293494 | 113293610 |
| CSMD3 | chr8 | 113299202 | 113299316 |
| CSMD3 | chr8 | 113299303 | 113299377 |
| CSMD3 | chr8 | 113299366 | 113299487 |
| CSMD3 | chr8 | 113301474 | 113301598 |

**LNET Custom Panel 3**  
for mutational and CNA analysis

| GENE  | CHR   | START    | END      |
|-------|-------|----------|----------|
| BCL2  | chr18 | 60795735 | 60795844 |
| BCL2  | chr18 | 60795833 | 60795937 |
| BCL2  | chr18 | 60795928 | 60796058 |
| BCL2  | chr18 | 60985202 | 60985322 |
| BCL2  | chr18 | 60985309 | 60985439 |
| BCL2  | chr18 | 60985428 | 60985538 |
| BCL2  | chr18 | 60985518 | 60985612 |
| BCL2  | chr18 | 60985627 | 60985744 |
| BCL2  | chr18 | 60985761 | 60985854 |
| BCL2  | chr18 | 60985843 | 60985965 |
| FGFR1 | chr8  | 38271444 | 38271567 |
| FGFR1 | chr8  | 38271685 | 38271812 |
| FGFR1 | chr8  | 38272269 | 38272345 |
| FGFR1 | chr8  | 38275047 | 38275130 |
| FGFR1 | chr8  | 38279309 | 38279403 |
| FGFR1 | chr8  | 38281234 | 38281342 |
| FGFR1 | chr8  | 38282140 | 38282254 |
| FGFR1 | chr8  | 38283567 | 38283689 |
| FGFR1 | chr8  | 38285430 | 38285526 |
| FGFR1 | chr8  | 38285848 | 38285945 |
| FGFR1 | chr8  | 38285851 | 38285975 |
| FGFR1 | chr8  | 38287084 | 38287208 |
| FGFR1 | chr8  | 38289028 | 38289147 |
| FGFR1 | chr8  | 38292214 | 38292289 |
| FGFR1 | chr8  | 38293010 | 38293121 |
| FGFR1 | chr8  | 38299647 | 38299726 |
| FGFR1 | chr8  | 38306706 | 38306803 |
| FGFR1 | chr8  | 38308209 | 38308324 |
| FGFR1 | chr8  | 38308589 | 38308683 |
| FGFR1 | chr8  | 38314987 | 38315089 |
| FGFR1 | chr8  | 38315534 | 38315644 |
| MEN1  | chr11 | 64571750 | 64571847 |

|        |      |          |          |       |      |           |           |       |       |           |           |
|--------|------|----------|----------|-------|------|-----------|-----------|-------|-------|-----------|-----------|
| ARID1A | chr1 | 27094333 | 27094458 | CSMD3 | chr8 | 113301587 | 113301698 | MEN1  | chr11 | 64571847  | 64571973  |
| ARID1A | chr1 | 27094447 | 27094540 | CSMD3 | chr8 | 113301687 | 113301801 | MEN1  | chr11 | 64571973  | 64572103  |
| ARID1A | chr1 | 27097521 | 27097634 | CSMD3 | chr8 | 113303704 | 113303817 | MEN1  | chr11 | 64572141  | 64572263  |
| ARID1A | chr1 | 27097623 | 27097709 | CSMD3 | chr8 | 113303806 | 113303916 | MEN1  | chr11 | 64572181  | 64572304  |
| ARID1A | chr1 | 27097698 | 27097780 | CSMD3 | chr8 | 113303916 | 113304035 | MEN1  | chr11 | 64572475  | 64572602  |
| ARID1A | chr1 | 27097777 | 27097876 | CSMD3 | chr8 | 113304747 | 113304848 | MEN1  | chr11 | 64572601  | 64572693  |
| ARID1A | chr1 | 27098849 | 27098969 | CSMD3 | chr8 | 113304837 | 113304959 | MEN1  | chr11 | 64573066  | 64573197  |
| ARID1A | chr1 | 27098958 | 27099081 | CSMD3 | chr8 | 113308042 | 113308111 | MEN1  | chr11 | 64573197  | 64573279  |
| ARID1A | chr1 | 27099070 | 27099157 | CSMD3 | chr8 | 113308100 | 113308213 | MEN1  | chr11 | 64573658  | 64573788  |
| ARID1A | chr1 | 27099250 | 27099334 | CSMD3 | chr8 | 113308202 | 113308290 | MEN1  | chr11 | 64573788  | 64573923  |
| ARID1A | chr1 | 27099323 | 27099432 | CSMD3 | chr8 | 113313967 | 113314047 | MEN1  | chr11 | 64574457  | 64574583  |
| ARID1A | chr1 | 27099421 | 27099537 | CSMD3 | chr8 | 113314036 | 113314116 | MEN1  | chr11 | 64574603  | 64574734  |
| ARID1A | chr1 | 27099719 | 27099846 | CSMD3 | chr8 | 113314105 | 113314218 | MEN1  | chr11 | 64575058  | 64575171  |
| ARID1A | chr1 | 27099835 | 27099966 | CSMD3 | chr8 | 113316907 | 113316975 | MEN1  | chr11 | 64575328  | 64575456  |
| ARID1A | chr1 | 27099964 | 27100058 | CSMD3 | chr8 | 113316964 | 113317060 | MEN1  | chr11 | 64575453  | 64575577  |
| ARID1A | chr1 | 27100047 | 27100153 | CSMD3 | chr8 | 113317049 | 113317154 | MEN1  | chr11 | 64577098  | 64577212  |
| ARID1A | chr1 | 27100142 | 27100260 | CSMD3 | chr8 | 113318222 | 113318325 | MEN1  | chr11 | 64577212  | 64577323  |
| ARID1A | chr1 | 27100218 | 27100303 | CSMD3 | chr8 | 113318314 | 113318433 | MEN1  | chr11 | 64577317  | 64577437  |
| ARID1A | chr1 | 27100388 | 27100460 | CSMD3 | chr8 | 113323160 | 113323263 | MEN1  | chr11 | 64577435  | 64577548  |
| ARID1A | chr1 | 27100745 | 27100876 | CSMD3 | chr8 | 113323252 | 113323341 | MEN1  | chr11 | 64577539  | 64577670  |
| ARID1A | chr1 | 27100855 | 27100984 | CSMD3 | chr8 | 113323330 | 113323436 | MYC   | chr8  | 128748773 | 128748860 |
| ARID1A | chr1 | 27101006 | 27101125 | CSMD3 | chr8 | 113326074 | 113326188 | MYC   | chr8  | 128748849 | 128748926 |
| ARID1A | chr1 | 27101097 | 27101178 | CSMD3 | chr8 | 113326183 | 113326264 | MYC   | chr8  | 128750342 | 128750453 |
| ARID1A | chr1 | 27101162 | 27101283 | CSMD3 | chr8 | 113326262 | 113326365 | MYC   | chr8  | 128750445 | 128750545 |
| ARID1A | chr1 | 27101310 | 27101442 | CSMD3 | chr8 | 113326578 | 113326682 | MYC   | chr8  | 128750534 | 128750648 |
| ARID1A | chr1 | 27101330 | 27101462 | CSMD3 | chr8 | 113326671 | 113326762 | MYC   | chr8  | 128750615 | 128750738 |
| ARID1A | chr1 | 27101538 | 27101669 | CSMD3 | chr8 | 113326751 | 113326860 | MYC   | chr8  | 128750734 | 128750866 |
| ARID1A | chr1 | 27101660 | 27101761 | CSMD3 | chr8 | 113330969 | 113331087 | MYC   | chr8  | 128750855 | 128750934 |
| ARID1A | chr1 | 27101996 | 27102119 | CSMD3 | chr8 | 113331076 | 113331196 | MYC   | chr8  | 128750914 | 128751032 |
| ARID1A | chr1 | 27102106 | 27102190 | CSMD3 | chr8 | 113332106 | 113332232 | MYC   | chr8  | 128751050 | 128751175 |
| ARID1A | chr1 | 27102179 | 27102253 | CSMD3 | chr8 | 113347526 | 113347616 | MYC   | chr8  | 128751171 | 128751284 |
| ARID1A | chr1 | 27105423 | 27105539 | CSMD3 | chr8 | 113347605 | 113347715 | MYC   | chr8  | 128751274 | 128751349 |
| ARID1A | chr1 | 27105528 | 27105633 | CSMD3 | chr8 | 113348807 | 113348931 | MYC   | chr8  | 128752582 | 128752704 |
| ARID1A | chr1 | 27105621 | 27105737 | CSMD3 | chr8 | 113348931 | 113349002 | MYC   | chr8  | 128752693 | 128752788 |
| ARID1A | chr1 | 27105726 | 27105849 | CSMD3 | chr8 | 113348991 | 113349095 | MYC   | chr8  | 128752844 | 128752935 |
| ARID1A | chr1 | 27105838 | 27105963 | CSMD3 | chr8 | 113349759 | 113349876 | MYC   | chr8  | 128752914 | 128753030 |
| ARID1A | chr1 | 27105955 | 27106049 | CSMD3 | chr8 | 113349865 | 113349985 | MYC   | chr8  | 128753008 | 128753107 |
| ARID1A | chr1 | 27106046 | 27106167 | CSMD3 | chr8 | 113353597 | 113353714 | MYC   | chr8  | 128753096 | 128753175 |
| ARID1A | chr1 | 27106156 | 27106286 | CSMD3 | chr8 | 113353728 | 113353826 | MYC   | chr8  | 128753164 | 128753254 |
| ARID1A | chr1 | 27106263 | 27106384 | CSMD3 | chr8 | 113353815 | 113353929 | MYCL1 | chr1  | 40362935  | 40363054  |

|        |      |          |          |       |      |           |           |        |      |           |           |
|--------|------|----------|----------|-------|------|-----------|-----------|--------|------|-----------|-----------|
| ARID1A | chr1 | 27106382 | 27106514 | CSMD3 | chr8 | 113358235 | 113358354 | MYCL1  | chr1 | 40363027  | 40363101  |
| ARID1A | chr1 | 27106506 | 27106625 | CSMD3 | chr8 | 113358346 | 113358452 | MYCL1  | chr1 | 40363156  | 40363272  |
| ARID1A | chr1 | 27106616 | 27106732 | CSMD3 | chr8 | 113363294 | 113363407 | MYCL1  | chr1 | 40363183  | 40363300  |
| ARID1A | chr1 | 27106684 | 27106772 | CSMD3 | chr8 | 113363438 | 113363552 | MYCL1  | chr1 | 40363403  | 40363511  |
| ARID1A | chr1 | 27106837 | 27106951 | CSMD3 | chr8 | 113364622 | 113364697 | MYCL1  | chr1 | 40363489  | 40363588  |
| ARID1A | chr1 | 27106865 | 27106981 | CSMD3 | chr8 | 113364686 | 113364782 | MYCL1  | chr1 | 40363615  | 40363693  |
| ARID1A | chr1 | 27107058 | 27107151 | CSMD3 | chr8 | 113392563 | 113392677 | MYCL1  | chr1 | 40366400  | 40366517  |
| ARID1A | chr1 | 27107140 | 27107217 | CSMD3 | chr8 | 113392632 | 113392702 | MYCL1  | chr1 | 40366490  | 40366599  |
| ARID1A | chr1 | 27107206 | 27107297 | CSMD3 | chr8 | 113395733 | 113395833 | MYCL1  | chr1 | 40366572  | 40366697  |
| ARID1A | chr1 | 27023113 | 27023236 | CSMD3 | chr8 | 113395822 | 113395930 | MYCL1  | chr1 | 40366666  | 40366772  |
| ARID1A | chr1 | 27023236 | 27023335 | CSMD3 | chr8 | 113402813 | 113402931 | MYCL1  | chr1 | 40366856  | 40366992  |
| ARID1A | chr1 | 27023355 | 27023491 | CSMD3 | chr8 | 113402923 | 113403030 | MYCL1  | chr1 | 40366897  | 40367010  |
| ARID1A | chr1 | 27023413 | 27023517 | CSMD3 | chr8 | 113418754 | 113418818 | PIK3CA | chr3 | 178870451 | 178870541 |
| ARID1A | chr1 | 27023684 | 27023776 | CSMD3 | chr8 | 113418807 | 113418886 | PIK3CA | chr3 | 178870885 | 178870997 |
| ARID1A | chr1 | 27023697 | 27023836 | CSMD3 | chr8 | 113418875 | 113418991 | PIK3CA | chr3 | 178873968 | 178874080 |
| ARID1A | chr1 | 27024034 | 27024137 | CSMD3 | chr8 | 113420499 | 113420606 | PIK3CA | chr3 | 178878790 | 178878899 |
| ARID1A | chr1 | 27056119 | 27056237 | CSMD3 | chr8 | 113420595 | 113420713 | PIK3CA | chr3 | 178881262 | 178881358 |
| ARID1A | chr1 | 27056232 | 27056362 | CSMD3 | chr8 | 113421124 | 113421197 | PIK3CA | chr3 | 178882865 | 178882976 |
| ARID1A | chr1 | 27057577 | 27057702 | CSMD3 | chr8 | 113421186 | 113421279 | PIK3CA | chr3 | 178884569 | 178884673 |
| ARID1A | chr1 | 27057702 | 27057827 | CSMD3 | chr8 | 113484798 | 113484914 | PIK3CA | chr3 | 178898207 | 178898277 |
| ARID1A | chr1 | 27057827 | 27057961 | CSMD3 | chr8 | 113504619 | 113504744 | PIK3CA | chr3 | 178910028 | 178910134 |
| ARID1A | chr1 | 27057956 | 27058065 | CSMD3 | chr8 | 113504733 | 113504834 | PIK3CA | chr3 | 178910292 | 178910352 |
| ARID1A | chr1 | 27058060 | 27058143 | CSMD3 | chr8 | 113504823 | 113504936 | PIK3CA | chr3 | 178910848 | 178910935 |
| ARID1A | chr1 | 27059099 | 27059226 | CSMD3 | chr8 | 113515948 | 113516057 | PIK3CA | chr3 | 178916679 | 178916785 |
| ARID1A | chr1 | 27059226 | 27059320 | CSMD3 | chr8 | 113516046 | 113516115 | PIK3CA | chr3 | 178916775 | 178916881 |
| ARID1A | chr1 | 27087254 | 27087381 | CSMD3 | chr8 | 113516104 | 113516216 | PIK3CA | chr3 | 178916844 | 178916930 |
| ARID1A | chr1 | 27087378 | 27087463 | CSMD3 | chr8 | 113518872 | 113518951 | PIK3CA | chr3 | 178916931 | 178917035 |
| ARID1A | chr1 | 27087463 | 27087593 | CSMD3 | chr8 | 113518940 | 113519018 | PIK3CA | chr3 | 178917406 | 178917494 |
| ARID1A | chr1 | 27087846 | 27087928 | CSMD3 | chr8 | 113519007 | 113519124 | PIK3CA | chr3 | 178917416 | 178917537 |
| ARID1A | chr1 | 27087928 | 27088027 | CSMD3 | chr8 | 113529212 | 113529315 | PIK3CA | chr3 | 178918889 | 178918972 |
| ARID1A | chr1 | 27088591 | 27088717 | CSMD3 | chr8 | 113529304 | 113529396 | PIK3CA | chr3 | 178920590 | 178920694 |
| ARID1A | chr1 | 27088715 | 27088825 | CSMD3 | chr8 | 113529378 | 113529489 | PIK3CA | chr3 | 178921464 | 178921570 |
| ARID1A | chr1 | 27089430 | 27089556 | CSMD3 | chr8 | 113562879 | 113562984 | PIK3CA | chr3 | 178922252 | 178922365 |
| ARID1A | chr1 | 27089548 | 27089662 | CSMD3 | chr8 | 113562973 | 113563075 | PIK3CA | chr3 | 178927405 | 178927525 |
| ARID1A | chr1 | 27089661 | 27089788 | CSMD3 | chr8 | 113563064 | 113563163 | PIK3CA | chr3 | 178927901 | 178927986 |
| ARID1A | chr1 | 27092652 | 27092766 | CSMD3 | chr8 | 113564787 | 113564867 | PIK3CA | chr3 | 178928069 | 178928160 |
| ARID1A | chr1 | 27092766 | 27092871 | CSMD3 | chr8 | 113564856 | 113564970 | PIK3CA | chr3 | 178936023 | 178936105 |
| ARID1A | chr1 | 27092879 | 27093004 | CSMD3 | chr8 | 113568911 | 113569032 | PIK3CA | chr3 | 178936052 | 178936179 |
| ARID1A | chr1 | 27093004 | 27093107 | CSMD3 | chr8 | 113569020 | 113569122 | PIK3CA | chr3 | 178938787 | 178938918 |
| ARID1A | chr1 | 27094197 | 27094298 | CSMD3 | chr8 | 113569111 | 113569200 | PIK3CA | chr3 | 178938831 | 178938960 |

|        |      |          |          |       |      |           |           |        |       |           |           |
|--------|------|----------|----------|-------|------|-----------|-----------|--------|-------|-----------|-----------|
| ARID1A | chr1 | 27094298 | 27094424 | CSMD3 | chr8 | 113585714 | 113585826 | PIK3CA | chr3  | 178944129 | 178944243 |
| ARID1A | chr1 | 27094424 | 27094537 | CSMD3 | chr8 | 113585815 | 113585916 | PIK3CA | chr3  | 178944326 | 178944439 |
| ARID1A | chr1 | 27097584 | 27097698 | CSMD3 | chr8 | 113599182 | 113599299 | PIK3CA | chr3  | 178945307 | 178945413 |
| ARID1A | chr1 | 27097698 | 27097779 | CSMD3 | chr8 | 113599299 | 113599413 | PIK3CA | chr3  | 178947818 | 178947896 |
| ARID1A | chr1 | 27097779 | 27097903 | CSMD3 | chr8 | 113599403 | 113599518 | PIK3CA | chr3  | 178947985 | 178948083 |
| ARID1A | chr1 | 27098908 | 27099036 | CSMD3 | chr8 | 113649031 | 113649155 | PIK3CA | chr3  | 178951914 | 178951991 |
| ARID1A | chr1 | 27099036 | 27099164 | CSMD3 | chr8 | 113649144 | 113649268 | PIK3CA | chr3  | 178951996 | 178952097 |
| ARID1A | chr1 | 27099250 | 27099376 | CSMD3 | chr8 | 113650908 | 113651006 | PIK3CA | chr3  | 178952140 | 178952237 |
| ARID1A | chr1 | 27099376 | 27099485 | CSMD3 | chr8 | 113650995 | 113651085 | RB1    | chr13 | 48878051  | 48878181  |
| ARID1A | chr1 | 27099829 | 27099944 | CSMD3 | chr8 | 113651074 | 113651168 | RB1    | chr13 | 48878193  | 48878331  |
| ARID1A | chr1 | 27099939 | 27100026 | CSMD3 | chr8 | 113657250 | 113657368 | RB1    | chr13 | 48881337  | 48881436  |
| ARID1A | chr1 | 27100047 | 27100153 | CSMD3 | chr8 | 113657357 | 113657464 | RB1    | chr13 | 48881430  | 48881538  |
| ARID1A | chr1 | 27100151 | 27100274 | CSMD3 | chr8 | 113662275 | 113662395 | RB1    | chr13 | 48881536  | 48881656  |
| ARID1A | chr1 | 27100271 | 27100408 | CSMD3 | chr8 | 113662384 | 113662475 | RB1    | chr13 | 48916693  | 48916804  |
| ARID1A | chr1 | 27100757 | 27100894 | CSMD3 | chr8 | 113662464 | 113662588 | RB1    | chr13 | 48916793  | 48916898  |
| ARID1A | chr1 | 27100894 | 27101000 | CSMD3 | chr8 | 113668359 | 113668484 | RB1    | chr13 | 48919129  | 48919237  |
| ARID1A | chr1 | 27101000 | 27101091 | CSMD3 | chr8 | 113668444 | 113668514 | RB1    | chr13 | 48919225  | 48919319  |
| ARID1A | chr1 | 27101088 | 27101192 | CSMD3 | chr8 | 113678399 | 113678522 | RB1    | chr13 | 48919324  | 48919439  |
| ARID1A | chr1 | 27101191 | 27101310 | CSMD3 | chr8 | 113678511 | 113678620 | RB1    | chr13 | 48921963  | 48922047  |
| ARID1A | chr1 | 27101310 | 27101441 | CSMD3 | chr8 | 113678609 | 113678709 | RB1    | chr13 | 48923021  | 48923134  |
| ARID1A | chr1 | 27101436 | 27101545 | CSMD3 | chr8 | 113694602 | 113694673 | RB1    | chr13 | 48923123  | 48923192  |
| ARID1A | chr1 | 27101545 | 27101642 | CSMD3 | chr8 | 113694662 | 113694781 | RB1    | chr13 | 48934100  | 48934221  |
| ARID1A | chr1 | 27101641 | 27101750 | CSMD3 | chr8 | 113694770 | 113694886 | RB1    | chr13 | 48934210  | 48934282  |
| ARID1A | chr1 | 27102059 | 27102138 | CSMD3 | chr8 | 113697561 | 113697679 | RB1    | chr13 | 48936960  | 48937044  |
| ARID1A | chr1 | 27102138 | 27102219 | CSMD3 | chr8 | 113697668 | 113697794 | RB1    | chr13 | 48937033  | 48937120  |
| ARID1A | chr1 | 27105423 | 27105540 | CSMD3 | chr8 | 113697783 | 113697883 | RB1    | chr13 | 48938955  | 48939069  |
| ARID1A | chr1 | 27105540 | 27105641 | CSMD3 | chr8 | 113697872 | 113697960 | RB1    | chr13 | 48939034  | 48939130  |
| ARID1A | chr1 | 27105640 | 27105756 | CSMD3 | chr8 | 113697964 | 113698083 | RB1    | chr13 | 48941602  | 48941717  |
| ARID1A | chr1 | 27105756 | 27105848 | CSMD3 | chr8 | 113702075 | 113702196 | RB1    | chr13 | 48941706  | 48941808  |
| ARID1A | chr1 | 27105848 | 27105962 | CSMD3 | chr8 | 113702185 | 113702289 | RB1    | chr13 | 48942595  | 48942699  |
| ARID1A | chr1 | 27105962 | 27106049 | CSMD3 | chr8 | 113812311 | 113812434 | RB1    | chr13 | 48942688  | 48942783  |
| ARID1A | chr1 | 27106046 | 27106173 | CSMD3 | chr8 | 113812423 | 113812518 | RB1    | chr13 | 48947516  | 48947611  |
| ARID1A | chr1 | 27106172 | 27106284 | CSMD3 | chr8 | 113841837 | 113841952 | RB1    | chr13 | 48947620  | 48947733  |
| ARID1A | chr1 | 27106282 | 27106363 | CSMD3 | chr8 | 113841941 | 113842046 | RB1    | chr13 | 48950955  | 48951067  |
| ARID1A | chr1 | 27106363 | 27106494 | CSMD3 | chr8 | 113871315 | 113871406 | RB1    | chr13 | 48951059  | 48951169  |
| ARID1A | chr1 | 27106494 | 27106573 | CSMD3 | chr8 | 113871395 | 113871507 | RB1    | chr13 | 48951161  | 48951274  |
| ARID1A | chr1 | 27106571 | 27106663 | CSMD3 | chr8 | 113933797 | 113933903 | RB1    | chr13 | 48953704  | 48953766  |
| ARID1A | chr1 | 27106661 | 27106760 | CSMD3 | chr8 | 113933892 | 113934012 | RB1    | chr13 | 48953755  | 48953872  |
| ARID1A | chr1 | 27106760 | 27106852 | CSMD3 | chr8 | 113959936 | 113960060 | RB1    | chr13 | 48954206  | 48954289  |
| ARID1A | chr1 | 27106850 | 27106958 | CSMD3 | chr8 | 113960086 | 113960205 | RB1    | chr13 | 48954209  | 48954330  |

|        |      |           |           |         |       |           |           |        |       |          |          |
|--------|------|-----------|-----------|---------|-------|-----------|-----------|--------|-------|----------|----------|
| ARID1A | chr1 | 27106956  | 27107069  | CSMD3   | chr8  | 113966869 | 113966978 | RB1    | chr13 | 48955301 | 48955421 |
| ARID1A | chr1 | 27107068  | 27107181  | CSMD3   | chr8  | 113966964 | 113967053 | RB1    | chr13 | 48955410 | 48955525 |
| ARID1A | chr1 | 27107181  | 27107284  | CSMD3   | chr8  | 113988046 | 113988143 | RB1    | chr13 | 48955514 | 48955594 |
| ARID1B | chr6 | 157099152 | 157099269 | CSMD3   | chr8  | 113988132 | 113988257 | RB1    | chr13 | 49027102 | 49027198 |
| ARID1B | chr6 | 157099279 | 157099391 | CSMD3   | chr8  | 113988246 | 113988368 | RB1    | chr13 | 49027187 | 49027261 |
| ARID1B | chr6 | 157099393 | 157099518 | CSMD3   | chr8  | 113988357 | 113988468 | RB1    | chr13 | 49030324 | 49030440 |
| ARID1B | chr6 | 157099755 | 157099854 | CSMD3   | chr8  | 114031248 | 114031329 | RB1    | chr13 | 49030427 | 49030504 |
| ARID1B | chr6 | 157099842 | 157099942 | CSMD3   | chr8  | 114031318 | 114031436 | RB1    | chr13 | 49033732 | 49033845 |
| ARID1B | chr6 | 157100608 | 157100728 | CSMD3   | chr8  | 114110959 | 114111086 | RB1    | chr13 | 49033834 | 49033928 |
| ARID1B | chr6 | 157150309 | 157150399 | CSMD3   | chr8  | 114111075 | 114111173 | RB1    | chr13 | 49033917 | 49033991 |
| ARID1B | chr6 | 157150388 | 157150487 | CSMD3   | chr8  | 114185925 | 114186044 | RB1    | chr13 | 49037806 | 49037916 |
| ARID1B | chr6 | 157150469 | 157150585 | CSMD3   | chr8  | 114186040 | 114186150 | RB1    | chr13 | 49037898 | 49037965 |
| ARID1B | chr6 | 157192657 | 157192777 | CSMD3   | chr8  | 114186139 | 114186240 | RB1    | chr13 | 49039027 | 49039142 |
| ARID1B | chr6 | 157192766 | 157192894 | CSMD3   | chr8  | 114290800 | 114290918 | RB1    | chr13 | 49039140 | 49039220 |
| ARID1B | chr6 | 157222444 | 157222564 | CSMD3   | chr8  | 114290908 | 114291025 | RB1    | chr13 | 49039209 | 49039275 |
| ARID1B | chr6 | 157222554 | 157222686 | CSMD3   | chr8  | 114326780 | 114326897 | RB1    | chr13 | 49039301 | 49039408 |
| ARID1B | chr6 | 157222637 | 157222727 | CSMD3   | chr8  | 114326886 | 114326984 | RB1    | chr13 | 49039397 | 49039515 |
| ARID1B | chr6 | 157256528 | 157256650 | CSMD3   | chr8  | 114326973 | 114327089 | RB1    | chr13 | 49047382 | 49047501 |
| ARID1B | chr6 | 157256635 | 157256704 | CSMD3   | chr8  | 114388871 | 114388989 | RB1    | chr13 | 49047511 | 49047583 |
| ARID1B | chr6 | 157405702 | 157405830 | CSMD3   | chr8  | 114388978 | 114389082 | RB1    | chr13 | 49050800 | 49050910 |
| ARID1B | chr6 | 157405819 | 157405934 | CSMD3   | chr8  | 114448856 | 114448967 | RB1    | chr13 | 49050903 | 49051028 |
| ARID1B | chr6 | 157405993 | 157406080 | CSMD3   | chr8  | 114448956 | 114449065 | RB1    | chr13 | 49051420 | 49051523 |
| ARID1B | chr6 | 157406060 | 157406147 | CSMD3   | chr8  | 114449054 | 114449164 | RB1    | chr13 | 49051514 | 49051614 |
| ARID1B | chr6 | 157431547 | 157431677 | DSCAML1 | chr11 | 117298987 | 117299112 | RB1    | chr13 | 49054107 | 49054232 |
| ARID1B | chr6 | 157431658 | 157431748 | DSCAML1 | chr11 | 117299301 | 117299408 | RICTOR | chr5  | 38942337 | 38942464 |
| ARID1B | chr6 | 157454099 | 157454182 | DSCAML1 | chr11 | 117299403 | 117299529 | RICTOR | chr5  | 38942453 | 38942583 |
| ARID1B | chr6 | 157454171 | 157454288 | DSCAML1 | chr11 | 117301363 | 117301498 | RICTOR | chr5  | 38942875 | 38942963 |
| ARID1B | chr6 | 157454277 | 157454359 | DSCAML1 | chr11 | 117301478 | 117301590 | RICTOR | chr5  | 38942952 | 38943047 |
| ARID1B | chr6 | 157454348 | 157454432 | DSCAML1 | chr11 | 117301579 | 117301700 | RICTOR | chr5  | 38943036 | 38943156 |
| ARID1B | chr6 | 157469605 | 157469728 | DSCAML1 | chr11 | 117301682 | 117301787 | RICTOR | chr5  | 38944435 | 38944558 |
| ARID1B | chr6 | 157469717 | 157469843 | DSCAML1 | chr11 | 117302178 | 117302287 | RICTOR | chr5  | 38944550 | 38944659 |
| ARID1B | chr6 | 157469842 | 157469960 | DSCAML1 | chr11 | 117302284 | 117302414 | RICTOR | chr5  | 38944648 | 38944752 |
| ARID1B | chr6 | 157469949 | 157470068 | DSCAML1 | chr11 | 117302400 | 117302507 | RICTOR | chr5  | 38944912 | 38945028 |
| ARID1B | chr6 | 157470029 | 157470151 | DSCAML1 | chr11 | 117302953 | 117303081 | RICTOR | chr5  | 38945017 | 38945124 |
| ARID1B | chr6 | 157488024 | 157488141 | DSCAML1 | chr11 | 117303075 | 117303177 | RICTOR | chr5  | 38945113 | 38945220 |
| ARID1B | chr6 | 157488130 | 157488254 | DSCAML1 | chr11 | 117303154 | 117303265 | RICTOR | chr5  | 38945505 | 38945602 |
| ARID1B | chr6 | 157488249 | 157488369 | DSCAML1 | chr11 | 117303838 | 117303948 | RICTOR | chr5  | 38945591 | 38945711 |
| ARID1B | chr6 | 157495070 | 157495197 | DSCAML1 | chr11 | 117303921 | 117304031 | RICTOR | chr5  | 38945700 | 38945818 |
| ARID1B | chr6 | 157495186 | 157495303 | DSCAML1 | chr11 | 117304053 | 117304162 | RICTOR | chr5  | 38945817 | 38945920 |
| ARID1B | chr6 | 157502007 | 157502127 | DSCAML1 | chr11 | 117304151 | 117304227 | RICTOR | chr5  | 38946479 | 38946575 |

|        |      |           |           |         |       |           |           |        |      |          |          |
|--------|------|-----------|-----------|---------|-------|-----------|-----------|--------|------|----------|----------|
| ARID1B | chr6 | 157502109 | 157502191 | DSCAML1 | chr11 | 117306270 | 117306377 | RICTOR | chr5 | 38946564 | 38946670 |
| ARID1B | chr6 | 157502180 | 157502309 | DSCAML1 | chr11 | 117306352 | 117306481 | RICTOR | chr5 | 38946656 | 38946756 |
| ARID1B | chr6 | 157502298 | 157502398 | DSCAML1 | chr11 | 117306470 | 117306564 | RICTOR | chr5 | 38947302 | 38947425 |
| ARID1B | chr6 | 157505223 | 157505338 | DSCAML1 | chr11 | 117307815 | 117307935 | RICTOR | chr5 | 38947414 | 38947513 |
| ARID1B | chr6 | 157505327 | 157505436 | DSCAML1 | chr11 | 117307877 | 117308006 | RICTOR | chr5 | 38947491 | 38947558 |
| ARID1B | chr6 | 157505422 | 157505511 | DSCAML1 | chr11 | 117308032 | 117308141 | RICTOR | chr5 | 38949336 | 38949451 |
| ARID1B | chr6 | 157505495 | 157505626 | DSCAML1 | chr11 | 117308490 | 117308623 | RICTOR | chr5 | 38949445 | 38949557 |
| ARID1B | chr6 | 157510636 | 157510743 | DSCAML1 | chr11 | 117308639 | 117308735 | RICTOR | chr5 | 38949546 | 38949634 |
| ARID1B | chr6 | 157510732 | 157510824 | DSCAML1 | chr11 | 117308723 | 117308808 | RICTOR | chr5 | 38949729 | 38949835 |
| ARID1B | chr6 | 157510796 | 157510920 | DSCAML1 | chr11 | 117308791 | 117308901 | RICTOR | chr5 | 38949824 | 38949943 |
| ARID1B | chr6 | 157510909 | 157510983 | DSCAML1 | chr11 | 117309526 | 117309653 | RICTOR | chr5 | 38949932 | 38950055 |
| ARID1B | chr6 | 157511103 | 157511229 | DSCAML1 | chr11 | 117309928 | 117310041 | RICTOR | chr5 | 38950044 | 38950167 |
| ARID1B | chr6 | 157511218 | 157511332 | DSCAML1 | chr11 | 117310017 | 117310113 | RICTOR | chr5 | 38950156 | 38950278 |
| ARID1B | chr6 | 157511321 | 157511402 | DSCAML1 | chr11 | 117310102 | 117310213 | RICTOR | chr5 | 38950267 | 38950386 |
| ARID1B | chr6 | 157517235 | 157517351 | DSCAML1 | chr11 | 117310484 | 117310593 | RICTOR | chr5 | 38950375 | 38950475 |
| ARID1B | chr6 | 157517339 | 157517417 | DSCAML1 | chr11 | 117310582 | 117310695 | RICTOR | chr5 | 38950456 | 38950571 |
| ARID1B | chr6 | 157517399 | 157517472 | DSCAML1 | chr11 | 117314567 | 117314697 | RICTOR | chr5 | 38950560 | 38950671 |
| ARID1B | chr6 | 157517461 | 157517561 | DSCAML1 | chr11 | 117314686 | 117314769 | RICTOR | chr5 | 38950661 | 38950776 |
| ARID1B | chr6 | 157519845 | 157519952 | DSCAML1 | chr11 | 117321219 | 117321340 | RICTOR | chr5 | 38950765 | 38950875 |
| ARID1B | chr6 | 157519948 | 157520071 | DSCAML1 | chr11 | 117321314 | 117321422 | RICTOR | chr5 | 38952181 | 38952300 |
| ARID1B | chr6 | 157521727 | 157521819 | DSCAML1 | chr11 | 117329356 | 117329489 | RICTOR | chr5 | 38952291 | 38952390 |
| ARID1B | chr6 | 157521808 | 157521929 | DSCAML1 | chr11 | 117329488 | 117329598 | RICTOR | chr5 | 38952379 | 38952500 |
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| ARID1B | chr6 | 157522023 | 157522134 | DSCAML1 | chr11 | 117332094 | 117332175 | RICTOR | chr5 | 38953000 | 38953069 |
| ARID1B | chr6 | 157522123 | 157522242 | DSCAML1 | chr11 | 117332164 | 117332262 | RICTOR | chr5 | 38953058 | 38953136 |
| ARID1B | chr6 | 157522231 | 157522360 | DSCAML1 | chr11 | 117332255 | 117332354 | RICTOR | chr5 | 38953125 | 38953243 |
| ARID1B | chr6 | 157522299 | 157522425 | DSCAML1 | chr11 | 117335630 | 117335758 | RICTOR | chr5 | 38953407 | 38953520 |
| ARID1B | chr6 | 157522448 | 157522566 | DSCAML1 | chr11 | 117335755 | 117335834 | RICTOR | chr5 | 38953551 | 38953629 |
| ARID1B | chr6 | 157522555 | 157522677 | DSCAML1 | chr11 | 117335817 | 117335922 | RICTOR | chr5 | 38953618 | 38953715 |
| ARID1B | chr6 | 157524866 | 157524990 | DSCAML1 | chr11 | 117340496 | 117340622 | RICTOR | chr5 | 38954821 | 38954941 |
| ARID1B | chr6 | 157524979 | 157525089 | DSCAML1 | chr11 | 117340622 | 117340714 | RICTOR | chr5 | 38954960 | 38955083 |
| ARID1B | chr6 | 157525078 | 157525183 | DSCAML1 | chr11 | 117342523 | 117342656 | RICTOR | chr5 | 38955592 | 38955719 |
| ARID1B | chr6 | 157527223 | 157527336 | DSCAML1 | chr11 | 117342649 | 117342762 | RICTOR | chr5 | 38955708 | 38955825 |
| ARID1B | chr6 | 157527325 | 157527449 | DSCAML1 | chr11 | 117351063 | 117351201 | RICTOR | chr5 | 38955793 | 38955864 |
| ARID1B | chr6 | 157527433 | 157527523 | DSCAML1 | chr11 | 117351263 | 117351358 | RICTOR | chr5 | 38957621 | 38957735 |
| ARID1B | chr6 | 157527512 | 157527631 | DSCAML1 | chr11 | 117351829 | 117351924 | RICTOR | chr5 | 38957724 | 38957818 |
| ARID1B | chr6 | 157527626 | 157527707 | DSCAML1 | chr11 | 117351911 | 117352010 | RICTOR | chr5 | 38957807 | 38957920 |
| ARID1B | chr6 | 157527694 | 157527820 | DSCAML1 | chr11 | 117352617 | 117352706 | RICTOR | chr5 | 38958464 | 38958582 |
| ARID1B | chr6 | 157527801 | 157527899 | DSCAML1 | chr11 | 117352691 | 117352806 | RICTOR | chr5 | 38958571 | 38958651 |
| ARID1B | chr6 | 157527888 | 157528004 | DSCAML1 | chr11 | 117352787 | 117352903 | RICTOR | chr5 | 38958637 | 38958752 |

|        |      |           |           |         |       |           |           |        |      |          |          |
|--------|------|-----------|-----------|---------|-------|-----------|-----------|--------|------|----------|----------|
| ARID1B | chr6 | 157527993 | 157528099 | DSCAML1 | chr11 | 117374442 | 117374573 | RICTOR | chr5 | 38958795 | 38958920 |
| ARID1B | chr6 | 157528077 | 157528155 | DSCAML1 | chr11 | 117374565 | 117374657 | RICTOR | chr5 | 38958918 | 38958983 |
| ARID1B | chr6 | 157528144 | 157528252 | DSCAML1 | chr11 | 117374646 | 117374750 | RICTOR | chr5 | 38959165 | 38959275 |
| ARID1B | chr6 | 157528241 | 157528327 | DSCAML1 | chr11 | 117375620 | 117375728 | RICTOR | chr5 | 38959261 | 38959331 |
| ARID1B | chr6 | 157528358 | 157528462 | DSCAML1 | chr11 | 117375717 | 117375803 | RICTOR | chr5 | 38959377 | 38959492 |
| ARID1B | chr6 | 157528430 | 157528555 | DSCAML1 | chr11 | 117376099 | 117376220 | RICTOR | chr5 | 38959735 | 38959846 |
| ARID1B | chr6 | 157528544 | 157528673 | DSCAML1 | chr11 | 117376180 | 117376314 | RICTOR | chr5 | 38959872 | 38959951 |
| ARID1B | chr6 | 157528662 | 157528748 | DSCAML1 | chr11 | 117376303 | 117376418 | RICTOR | chr5 | 38959940 | 38960019 |
| ARID1B | chr6 | 157528738 | 157528837 | DSCAML1 | chr11 | 117376406 | 117376537 | RICTOR | chr5 | 38960008 | 38960094 |
| ARID1B | chr6 | 157528864 | 157528967 | DSCAML1 | chr11 | 117387097 | 117387227 | RICTOR | chr5 | 38960083 | 38960189 |
| ARID1B | chr6 | 157528956 | 157529075 | DSCAML1 | chr11 | 117387200 | 117387295 | RICTOR | chr5 | 38960397 | 38960515 |
| ARID1B | chr6 | 157099035 | 157099138 | DSCAML1 | chr11 | 117387283 | 117387414 | RICTOR | chr5 | 38960504 | 38960621 |
| ARID1B | chr6 | 157099141 | 157099271 | DSCAML1 | chr11 | 117387403 | 117387537 | RICTOR | chr5 | 38960610 | 38960712 |
| ARID1B | chr6 | 157099271 | 157099381 | DSCAML1 | chr11 | 117389077 | 117389199 | RICTOR | chr5 | 38962313 | 38962415 |
| ARID1B | chr6 | 157099396 | 157099519 | DSCAML1 | chr11 | 117389185 | 117389305 | RICTOR | chr5 | 38962433 | 38962543 |
| ARID1B | chr6 | 157099827 | 157099954 | DSCAML1 | chr11 | 117389292 | 117389402 | RICTOR | chr5 | 38962475 | 38962589 |
| ARID1B | chr6 | 157100495 | 157100587 | DSCAML1 | chr11 | 117389361 | 117389449 | RICTOR | chr5 | 38962658 | 38962762 |
| ARID1B | chr6 | 157100501 | 157100596 | DSCAML1 | chr11 | 117389449 | 117389558 | RICTOR | chr5 | 38962876 | 38962995 |
| ARID1B | chr6 | 157150339 | 157150413 | DSCAML1 | chr11 | 117391757 | 117391892 | RICTOR | chr5 | 38962984 | 38963103 |
| ARID1B | chr6 | 157150409 | 157150501 | DSCAML1 | chr11 | 117391871 | 117391969 | RICTOR | chr5 | 38963092 | 38963206 |
| ARID1B | chr6 | 157150493 | 157150608 | DSCAML1 | chr11 | 117391956 | 117392073 | RICTOR | chr5 | 38964796 | 38964908 |
| ARID1B | chr6 | 157192763 | 157192882 | DSCAML1 | chr11 | 117392063 | 117392158 | RICTOR | chr5 | 38964897 | 38964965 |
| ARID1B | chr6 | 157222490 | 157222615 | DSCAML1 | chr11 | 117395412 | 117395545 | RICTOR | chr5 | 38964954 | 38965044 |
| ARID1B | chr6 | 157222584 | 157222688 | DSCAML1 | chr11 | 117395534 | 117395634 | RICTOR | chr5 | 38966668 | 38966760 |
| ARID1B | chr6 | 157256562 | 157256650 | DSCAML1 | chr11 | 117395621 | 117395756 | RICTOR | chr5 | 38966749 | 38966817 |
| ARID1B | chr6 | 157256635 | 157256707 | DSCAML1 | chr11 | 117395775 | 117395907 | RICTOR | chr5 | 38967212 | 38967311 |
| ARID1B | chr6 | 157256709 | 157256820 | DSCAML1 | chr11 | 117402958 | 117403087 | RICTOR | chr5 | 38967307 | 38967422 |
| ARID1B | chr6 | 157405699 | 157405827 | DSCAML1 | chr11 | 117403106 | 117403236 | RICTOR | chr5 | 38967400 | 38967482 |
| ARID1B | chr6 | 157405821 | 157405935 | DSCAML1 | chr11 | 117403205 | 117403299 | RICTOR | chr5 | 38967471 | 38967579 |
| ARID1B | chr6 | 157405927 | 157406014 | DSCAML1 | chr11 | 117647412 | 117647533 | RICTOR | chr5 | 38967938 | 38968057 |
| ARID1B | chr6 | 157406012 | 157406088 | DSCAML1 | chr11 | 117647522 | 117647634 | RICTOR | chr5 | 38968046 | 38968130 |
| ARID1B | chr6 | 157431587 | 157431712 | DSCAML1 | chr11 | 117647623 | 117647713 | RICTOR | chr5 | 38968133 | 38968246 |
| ARID1B | chr6 | 157454100 | 157454221 | DSCAML1 | chr11 | 117651157 | 117651285 | RICTOR | chr5 | 38971902 | 38972022 |
| ARID1B | chr6 | 157454221 | 157454346 | DSCAML1 | chr11 | 117651274 | 117651389 | RICTOR | chr5 | 38975562 | 38975660 |
| ARID1B | chr6 | 157469717 | 157469842 | DSCAML1 | chr11 | 117651378 | 117651492 | RICTOR | chr5 | 38975649 | 38975764 |
| ARID1B | chr6 | 157469842 | 157469936 | DSCAML1 | chr11 | 117651489 | 117651565 | RICTOR | chr5 | 38978606 | 38978713 |
| ARID1B | chr6 | 157469936 | 157470024 | DSCAML1 | chr11 | 117667771 | 117667900 | RICTOR | chr5 | 38978702 | 38978802 |
| ARID1B | chr6 | 157470024 | 157470113 | EIF1AX  | chrX  | 20146374  | 20146478  | RICTOR | chr5 | 38981887 | 38982006 |
| ARID1B | chr6 | 157488130 | 157488246 | EIF1AX  | chrX  | 20148593  | 20148706  | RICTOR | chr5 | 38981995 | 38982091 |
| ARID1B | chr6 | 157488246 | 157488378 | EIF1AX  | chrX  | 20148634  | 20148751  | RICTOR | chr5 | 38982080 | 38982198 |

|        |      |           |           |        |      |          |          |        |      |          |          |
|--------|------|-----------|-----------|--------|------|----------|----------|--------|------|----------|----------|
| ARID1B | chr6 | 157495046 | 157495167 | EIF1AX | chrX | 20150246 | 20150364 | RICTOR | chr5 | 38991051 | 38991123 |
| ARID1B | chr6 | 157495167 | 157495294 | EIF1AX | chrX | 20150353 | 20150446 | RICTOR | chr5 | 38991112 | 38991227 |
| ARID1B | chr6 | 157502091 | 157502194 | EIF1AX | chrX | 20152043 | 20152162 | RICTOR | chr5 | 38996904 | 38996969 |
| ARID1B | chr6 | 157502194 | 157502322 | EIF1AX | chrX | 20153754 | 20153872 | RICTOR | chr5 | 38996958 | 38997048 |
| ARID1B | chr6 | 157505356 | 157505482 | EIF1AX | chrX | 20153861 | 20153969 | RICTOR | chr5 | 39002585 | 39002687 |
| ARID1B | chr6 | 157505476 | 157505586 | EIF1AX | chrX | 20156660 | 20156726 | RICTOR | chr5 | 39002676 | 39002759 |
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| ARID1B | chr6 | 157510833 | 157510920 | KAT6A  | chr8 | 41789664 | 41789770 | RICTOR | chr5 | 39003588 | 39003674 |
| ARID1B | chr6 | 157511101 | 157511208 | KAT6A  | chr8 | 41789752 | 41789833 | RICTOR | chr5 | 39003663 | 39003743 |
| ARID1B | chr6 | 157511208 | 157511324 | KAT6A  | chr8 | 41789818 | 41789931 | RICTOR | chr5 | 39003732 | 39003849 |
| ARID1B | chr6 | 157511322 | 157511402 | KAT6A  | chr8 | 41789927 | 41790041 | RICTOR | chr5 | 39021018 | 39021138 |
| ARID1B | chr6 | 157517243 | 157517369 | KAT6A  | chr8 | 41790038 | 41790154 | RICTOR | chr5 | 39021095 | 39021207 |
| ARID1B | chr6 | 157517369 | 157517474 | KAT6A  | chr8 | 41790118 | 41790248 | RICTOR | chr5 | 39021196 | 39021302 |
| ARID1B | chr6 | 157519854 | 157519965 | KAT6A  | chr8 | 41790247 | 41790376 | RICTOR | chr5 | 39074501 | 39074634 |
| ARID1B | chr6 | 157519965 | 157520080 | KAT6A  | chr8 | 41790376 | 41790492 | SDHA   | chr5 | 223451   | 223570   |
| ARID1B | chr6 | 157521818 | 157521923 | KAT6A  | chr8 | 41790491 | 41790619 | SDHA   | chr5 | 223559   | 223649   |
| ARID1B | chr6 | 157521909 | 157522005 | KAT6A  | chr8 | 41790803 | 41790941 | SDHA   | chr5 | 223638   | 223735   |
| ARID1B | chr6 | 157522004 | 157522125 | KAT6A  | chr8 | 41790931 | 41791040 | SDHA   | chr5 | 224388   | 224494   |
| ARID1B | chr6 | 157522123 | 157522223 | KAT6A  | chr8 | 41791036 | 41791127 | SDHA   | chr5 | 224483   | 224608   |
| ARID1B | chr6 | 157522209 | 157522310 | KAT6A  | chr8 | 41791124 | 41791210 | SDHA   | chr5 | 224612   | 224739   |
| ARID1B | chr6 | 157522310 | 157522431 | KAT6A  | chr8 | 41791206 | 41791328 | SDHA   | chr5 | 225434   | 225524   |
| ARID1B | chr6 | 157522431 | 157522550 | KAT6A  | chr8 | 41791328 | 41791443 | SDHA   | chr5 | 225513   | 225630   |
| ARID1B | chr6 | 157522550 | 157522642 | KAT6A  | chr8 | 41791443 | 41791570 | SDHA   | chr5 | 225604   | 225709   |
| ARID1B | chr6 | 157524964 | 157525040 | KAT6A  | chr8 | 41791564 | 41791683 | SDHA   | chr5 | 225871   | 225983   |
| ARID1B | chr6 | 157525040 | 157525148 | KAT6A  | chr8 | 41791679 | 41791806 | SDHA   | chr5 | 225972   | 226056   |
| ARID1B | chr6 | 157527243 | 157527363 | KAT6A  | chr8 | 41791806 | 41791939 | SDHA   | chr5 | 226054   | 226183   |
| ARID1B | chr6 | 157527355 | 157527469 | KAT6A  | chr8 | 41791820 | 41791954 | SDHA   | chr5 | 226159   | 226264   |
| ARID1B | chr6 | 157527468 | 157527592 | KAT6A  | chr8 | 41791947 | 41792072 | SDHA   | chr5 | 228199   | 228320   |
| ARID1B | chr6 | 157527571 | 157527660 | KAT6A  | chr8 | 41792010 | 41792139 | SDHA   | chr5 | 228309   | 228410   |
| ARID1B | chr6 | 157527655 | 157527772 | KAT6A  | chr8 | 41792139 | 41792229 | SDHA   | chr5 | 228398   | 228516   |
| ARID1B | chr6 | 157527772 | 157527900 | KAT6A  | chr8 | 41792229 | 41792326 | SDHA   | chr5 | 230895   | 231002   |
| ARID1B | chr6 | 157527900 | 157528016 | KAT6A  | chr8 | 41792326 | 41792434 | SDHA   | chr5 | 230953   | 231072   |
| ARID1B | chr6 | 157528011 | 157528141 | KAT6A  | chr8 | 41794759 | 41794847 | SDHA   | chr5 | 231107   | 231177   |
| ARID1B | chr6 | 157528141 | 157528262 | KAT6A  | chr8 | 41794847 | 41794929 | SDHA   | chr5 | 233502   | 233615   |
| ARID1B | chr6 | 157528262 | 157528393 | KAT6A  | chr8 | 41794929 | 41795013 | SDHA   | chr5 | 233605   | 233709   |
| ARID1B | chr6 | 157528393 | 157528518 | KAT6A  | chr8 | 41795009 | 41795102 | SDHA   | chr5 | 233686   | 233809   |
| ARID1B | chr6 | 157528518 | 157528636 | KAT6A  | chr8 | 41798300 | 41798377 | SDHA   | chr5 | 233791   | 233896   |
| ARID1B | chr6 | 157528635 | 157528746 | KAT6A  | chr8 | 41798370 | 41798492 | SDHA   | chr5 | 235206   | 235334   |
| ARID1B | chr6 | 157528746 | 157528872 | KAT6A  | chr8 | 41798486 | 41798585 | SDHA   | chr5 | 235295   | 235405   |
| ARID1B | chr6 | 157528865 | 157528990 | KAT6A  | chr8 | 41798585 | 41798711 | SDHA   | chr5 | 235394   | 235510   |



|        |       |           |           |       |       |          |          |       |       |          |          |
|--------|-------|-----------|-----------|-------|-------|----------|----------|-------|-------|----------|----------|
| ARID1B | chr6  | 157528990 | 157529082 | KAT6A | chr8  | 41798709 | 41798826 | SDHA  | chr5  | 236456   | 236563   |
| ARID2  | chr12 | 46123587  | 46123706  | KAT6A | chr8  | 41798826 | 41798941 | SDHA  | chr5  | 236561   | 236686   |
| ARID2  | chr12 | 46123685  | 46123820  | KAT6A | chr8  | 41798910 | 41799020 | SDHA  | chr5  | 236675   | 236781   |
| ARID2  | chr12 | 46123829  | 46123914  | KAT6A | chr8  | 41800315 | 41800441 | SDHA  | chr5  | 240397   | 240506   |
| ARID2  | chr12 | 46123903  | 46124025  | KAT6A | chr8  | 41800441 | 41800565 | SDHA  | chr5  | 240495   | 240575   |
| ARID2  | chr12 | 46124871  | 46124991  | KAT6A | chr8  | 41801269 | 41801346 | SDHA  | chr5  | 240564   | 240687   |
| ARID2  | chr12 | 46124980  | 46125057  | KAT6A | chr8  | 41801346 | 41801436 | SDHA  | chr5  | 251056   | 251179   |
| ARID2  | chr12 | 46125046  | 46125152  | KAT6A | chr8  | 41801434 | 41801516 | SDHA  | chr5  | 251168   | 251289   |
| ARID2  | chr12 | 46205144  | 46205238  | KAT6A | chr8  | 41804077 | 41804202 | SDHA  | chr5  | 251359   | 251490   |
| ARID2  | chr12 | 46205227  | 46205298  | KAT6A | chr8  | 41805201 | 41805326 | SDHA  | chr5  | 251449   | 251562   |
| ARID2  | chr12 | 46205287  | 46205385  | KAT6A | chr8  | 41805325 | 41805446 | SDHA  | chr5  | 251538   | 251649   |
| ARID2  | chr12 | 46211393  | 46211476  | KAT6A | chr8  | 41806708 | 41806791 | SDHA  | chr5  | 254403   | 254511   |
| ARID2  | chr12 | 46211475  | 46211563  | KAT6A | chr8  | 41806789 | 41806872 | SDHA  | chr5  | 254500   | 254596   |
| ARID2  | chr12 | 46211552  | 46211630  | KAT6A | chr8  | 41812803 | 41812885 | SDHA  | chr5  | 254585   | 254712   |
| ARID2  | chr12 | 46211619  | 46211724  | KAT6A | chr8  | 41812863 | 41812960 | SDHA  | chr5  | 256360   | 256479   |
| ARID2  | chr12 | 46215132  | 46215235  | KAT6A | chr8  | 41832163 | 41832258 | SDHA  | chr5  | 256468   | 256587   |
| ARID2  | chr12 | 46215224  | 46215291  | KAT6A | chr8  | 41832253 | 41832353 | SMAD4 | chr18 | 48575099 | 48575213 |
| ARID2  | chr12 | 46230307  | 46230409  | KAT6A | chr8  | 41834488 | 41834570 | SMAD4 | chr18 | 48575556 | 48575677 |
| ARID2  | chr12 | 46230398  | 46230513  | KAT6A | chr8  | 41834570 | 41834670 | SMAD4 | chr18 | 48581190 | 48581302 |
| ARID2  | chr12 | 46230544  | 46230612  | KAT6A | chr8  | 41834669 | 41834751 | SMAD4 | chr18 | 48584551 | 48584678 |
| ARID2  | chr12 | 46230601  | 46230724  | KAT6A | chr8  | 41834751 | 41834824 | SMAD4 | chr18 | 48586251 | 48586361 |
| ARID2  | chr12 | 46230713  | 46230830  | KAT6A | chr8  | 41836141 | 41836262 | SMAD4 | chr18 | 48591814 | 48591931 |
| ARID2  | chr12 | 46231022  | 46231096  | KAT6A | chr8  | 41836246 | 41836324 | SMAD4 | chr18 | 48593399 | 48593519 |
| ARID2  | chr12 | 46231085  | 46231191  | KAT6A | chr8  | 41838327 | 41838403 | SMAD4 | chr18 | 48603028 | 48603119 |
| ARID2  | chr12 | 46231180  | 46231264  | KAT6A | chr8  | 41838403 | 41838483 | SMAD4 | chr18 | 48604658 | 48604774 |
| ARID2  | chr12 | 46231318  | 46231394  | KAT6A | chr8  | 41839349 | 41839467 | SRC   | chr20 | 36012464 | 36012574 |
| ARID2  | chr12 | 46231383  | 46231476  | KAT6A | chr8  | 41844947 | 41845075 | SRC   | chr20 | 36014396 | 36014525 |
| ARID2  | chr12 | 46231465  | 46231587  | KAT6A | chr8  | 41905883 | 41906008 | SRC   | chr20 | 36014513 | 36014641 |
| ARID2  | chr12 | 46233052  | 46233158  | KAT6A | chr8  | 41906008 | 41906124 | SRC   | chr20 | 36022231 | 36022331 |
| ARID2  | chr12 | 46233147  | 46233212  | KAT6A | chr8  | 41906124 | 41906247 | SRC   | chr20 | 36022272 | 36022401 |
| ARID2  | chr12 | 46233201  | 46233282  | KAT6A | chr8  | 41906247 | 41906349 | SRC   | chr20 | 36022400 | 36022498 |
| ARID2  | chr12 | 46233271  | 46233376  | KAT6A | chr8  | 41906349 | 41906441 | SRC   | chr20 | 36022523 | 36022615 |
| ARID2  | chr12 | 46240555  | 46240665  | KAT6A | chr8  | 41906441 | 41906515 | SRC   | chr20 | 36022601 | 36022700 |
| ARID2  | chr12 | 46240654  | 46240740  | KAT6B | chr10 | 76602521 | 76602622 | SRC   | chr20 | 36022684 | 36022796 |
| ARID2  | chr12 | 46240729  | 46240848  | KAT6B | chr10 | 76602622 | 76602735 | SRC   | chr20 | 36024482 | 36024608 |
| ARID2  | chr12 | 46242554  | 46242674  | KAT6B | chr10 | 76602735 | 76602864 | SRC   | chr20 | 36024597 | 36024703 |
| ARID2  | chr12 | 46242663  | 46242777  | KAT6B | chr10 | 76602864 | 76602984 | SRC   | chr20 | 36024685 | 36024779 |
| ARID2  | chr12 | 46242766  | 46242851  | KAT6B | chr10 | 76602983 | 76603111 | SRC   | chr20 | 36026038 | 36026174 |
| ARID2  | chr12 | 46243297  | 46243418  | KAT6B | chr10 | 76603111 | 76603237 | SRC   | chr20 | 36026112 | 36026234 |
| ARID2  | chr12 | 46243406  | 46243532  | KAT6B | chr10 | 76719737 | 76719819 | SRC   | chr20 | 36026208 | 36026337 |

|       |       |          |          |       |       |          |          |      |       |          |          |
|-------|-------|----------|----------|-------|-------|----------|----------|------|-------|----------|----------|
| ARID2 | chr12 | 46243521 | 46243639 | KAT6B | chr10 | 76719765 | 76719868 | SRC  | chr20 | 36028403 | 36028512 |
| ARID2 | chr12 | 46243681 | 46243798 | KAT6B | chr10 | 76729394 | 76729485 | SRC  | chr20 | 36028478 | 36028603 |
| ARID2 | chr12 | 46243787 | 46243862 | KAT6B | chr10 | 76729450 | 76729568 | SRC  | chr20 | 36028560 | 36028666 |
| ARID2 | chr12 | 46243851 | 46243974 | KAT6B | chr10 | 76729740 | 76729838 | SRC  | chr20 | 36028655 | 36028753 |
| ARID2 | chr12 | 46243963 | 46244079 | KAT6B | chr10 | 76729837 | 76729923 | SRC  | chr20 | 36029906 | 36030033 |
| ARID2 | chr12 | 46244068 | 46244164 | KAT6B | chr10 | 76732177 | 76732300 | SRC  | chr20 | 36030022 | 36030134 |
| ARID2 | chr12 | 46244153 | 46244272 | KAT6B | chr10 | 76732286 | 76732384 | SRC  | chr20 | 36030732 | 36030865 |
| ARID2 | chr12 | 46244261 | 46244385 | KAT6B | chr10 | 76732380 | 76732455 | SRC  | chr20 | 36030852 | 36030953 |
| ARID2 | chr12 | 46244374 | 46244492 | KAT6B | chr10 | 76735158 | 76735231 | SRC  | chr20 | 36030935 | 36031059 |
| ARID2 | chr12 | 46244481 | 46244600 | KAT6B | chr10 | 76735187 | 76735285 | SRC  | chr20 | 36031082 | 36031178 |
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| ARID2 | chr12 | 46244922 | 46245004 | KAT6B | chr10 | 76735542 | 76735652 | SRC  | chr20 | 36031543 | 36031643 |
| ARID2 | chr12 | 46244993 | 46245078 | KAT6B | chr10 | 76735630 | 76735743 | SRC  | chr20 | 36031676 | 36031795 |
| ARID2 | chr12 | 46245053 | 46245168 | KAT6B | chr10 | 76735743 | 76735845 | SRC  | chr20 | 36031788 | 36031912 |
| ARID2 | chr12 | 46245157 | 46245278 | KAT6B | chr10 | 76735845 | 76735961 | TERT | chr5  | 1253784  | 1253893  |
| ARID2 | chr12 | 46245267 | 46245352 | KAT6B | chr10 | 76735961 | 76736088 | TERT | chr5  | 1253869  | 1254000  |
| ARID2 | chr12 | 46245341 | 46245459 | KAT6B | chr10 | 76737009 | 76737123 | TERT | chr5  | 1254400  | 1254519  |
| ARID2 | chr12 | 46245448 | 46245571 | KAT6B | chr10 | 76737123 | 76737203 | TERT | chr5  | 1254519  | 1254629  |
| ARID2 | chr12 | 46245560 | 46245684 | KAT6B | chr10 | 76738934 | 76739045 | TERT | chr5  | 1255346  | 1255472  |
| ARID2 | chr12 | 46245673 | 46245786 | KAT6B | chr10 | 76739022 | 76739108 | TERT | chr5  | 1255471  | 1255555  |
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| ARID2 | chr12 | 46245990 | 46246083 | KAT6B | chr10 | 76744795 | 76744879 | TERT | chr5  | 1260476  | 1260599  |
| ARID2 | chr12 | 46246072 | 46246193 | KAT6B | chr10 | 76744861 | 76744963 | TERT | chr5  | 1260599  | 1260683  |
| ARID2 | chr12 | 46246182 | 46246306 | KAT6B | chr10 | 76744941 | 76745051 | TERT | chr5  | 1260681  | 1260771  |
| ARID2 | chr12 | 46246295 | 46246399 | KAT6B | chr10 | 76748765 | 76748886 | TERT | chr5  | 1264409  | 1264538  |
| ARID2 | chr12 | 46246388 | 46246506 | KAT6B | chr10 | 76780306 | 76780424 | TERT | chr5  | 1264538  | 1264653  |
| ARID2 | chr12 | 46246495 | 46246625 | KAT6B | chr10 | 76780424 | 76780539 | TERT | chr5  | 1264653  | 1264761  |
| ARID2 | chr12 | 46246614 | 46246729 | KAT6B | chr10 | 76780535 | 76780653 | TERT | chr5  | 1266445  | 1266553  |
| ARID2 | chr12 | 46254563 | 46254644 | KAT6B | chr10 | 76780826 | 76780940 | TERT | chr5  | 1266539  | 1266624  |
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| ARID2 | chr12 | 46285475 | 46285598 | KAT6B | chr10 | 76781698 | 76781803 | TERT | chr5  | 1268670  | 1268801  |
| ARID2 | chr12 | 46285587 | 46285677 | KAT6B | chr10 | 76781817 | 76781946 | TERT | chr5  | 1271229  | 1271323  |
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| ARID2 | chr12 | 46285811 | 46285929 | KAT6B | chr10 | 76784704 | 76784822 | TERT | chr5  | 1272239  | 1272371  |
| ARID2 | chr12 | 46287054 | 46287178 | KAT6B | chr10 | 76784822 | 76784925 | TERT | chr5  | 1272371  | 1272455  |
| ARID2 | chr12 | 46287167 | 46287290 | KAT6B | chr10 | 76784925 | 76785037 | TERT | chr5  | 1278699  | 1278828  |

|       |       |          |          |       |       |           |           |      |       |         |         |
|-------|-------|----------|----------|-------|-------|-----------|-----------|------|-------|---------|---------|
| ARID2 | chr12 | 46287279 | 46287400 | KAT6B | chr10 | 76788209  | 76788337  | TERT | chr5  | 1278827 | 1278962 |
| ARID2 | chr12 | 46287360 | 46287484 | KAT6B | chr10 | 76788337  | 76788463  | TERT | chr5  | 1279338 | 1279444 |
| ARID2 | chr12 | 46287473 | 46287585 | KAT6B | chr10 | 76788463  | 76788590  | TERT | chr5  | 1279424 | 1279549 |
| ARID2 | chr12 | 46298628 | 46298725 | KAT6B | chr10 | 76788590  | 76788716  | TERT | chr5  | 1279545 | 1279643 |
| ARID2 | chr12 | 46298708 | 46298813 | KAT6B | chr10 | 76788640  | 76788756  | TERT | chr5  | 1280210 | 1280312 |
| ARID2 | chr12 | 46298802 | 46298911 | KAT6B | chr10 | 76788755  | 76788870  | TERT | chr5  | 1280311 | 1280446 |
| ARID2 | chr12 | 46123588 | 46123691 | KAT6B | chr10 | 76788866  | 76788994  | TERT | chr5  | 1280446 | 1280536 |
| ARID2 | chr12 | 46123684 | 46123795 | KAT6B | chr10 | 76788987  | 76789116  | TERT | chr5  | 1282486 | 1282591 |
| ARID2 | chr12 | 46123803 | 46123889 | KAT6B | chr10 | 76789096  | 76789214  | TERT | chr5  | 1282591 | 1282683 |
| ARID2 | chr12 | 46123878 | 46123963 | KAT6B | chr10 | 76789207  | 76789340  | TERT | chr5  | 1282683 | 1282807 |
| ARID2 | chr12 | 46124981 | 46125072 | KAT6B | chr10 | 76789338  | 76789465  | TERT | chr5  | 1293371 | 1293486 |
| ARID2 | chr12 | 46125072 | 46125175 | KAT6B | chr10 | 76789460  | 76789582  | TERT | chr5  | 1293485 | 1293615 |
| ARID2 | chr12 | 46205142 | 46205267 | KAT6B | chr10 | 76789582  | 76789711  | TERT | chr5  | 1293626 | 1293722 |
| ARID2 | chr12 | 46205267 | 46205343 | KAT6B | chr10 | 76789708  | 76789842  | TERT | chr5  | 1293686 | 1293820 |
| ARID2 | chr12 | 46211392 | 46211510 | KAT6B | chr10 | 76789839  | 76789964  | TERT | chr5  | 1293814 | 1293912 |
| ARID2 | chr12 | 46211506 | 46211596 | KAT6B | chr10 | 76789964  | 76790059  | TERT | chr5  | 1293912 | 1294013 |
| ARID2 | chr12 | 46211594 | 46211663 | KAT6B | chr10 | 76790059  | 76790160  | TERT | chr5  | 1294010 | 1294143 |
| ARID2 | chr12 | 46215129 | 46215225 | KAT6B | chr10 | 76790159  | 76790283  | TERT | chr5  | 1294062 | 1294187 |
| ARID2 | chr12 | 46215229 | 46215305 | KAT6B | chr10 | 76790283  | 76790408  | TERT | chr5  | 1294186 | 1294306 |
| ARID2 | chr12 | 46230407 | 46230516 | KAT6B | chr10 | 76790408  | 76790541  | TERT | chr5  | 1294387 | 1294489 |
| ARID2 | chr12 | 46230423 | 46230545 | KAT6B | chr10 | 76790541  | 76790637  | TERT | chr5  | 1294413 | 1294550 |
| ARID2 | chr12 | 46230633 | 46230756 | KAT6B | chr10 | 76790637  | 76790758  | TERT | chr5  | 1294628 | 1294735 |
| ARID2 | chr12 | 46230756 | 46230832 | KAT6B | chr10 | 76790758  | 76790844  | TERT | chr5  | 1294629 | 1294767 |
| ARID2 | chr12 | 46231077 | 46231189 | KMT2A | chr11 | 118307486 | 118307621 | TP53 | chr17 | 7572831 | 7572936 |
| ARID2 | chr12 | 46231127 | 46231197 | KMT2A | chr11 | 118307530 | 118307660 | TP53 | chr17 | 7572937 | 7573040 |
| ARID2 | chr12 | 46231329 | 46231402 | KMT2A | chr11 | 118339430 | 118339560 | TP53 | chr17 | 7573863 | 7573967 |
| ARID2 | chr12 | 46231399 | 46231473 | KMT2A | chr11 | 118342300 | 118342403 | TP53 | chr17 | 7573944 | 7574041 |
| ARID2 | chr12 | 46231469 | 46231589 | KMT2A | chr11 | 118342399 | 118342477 | TP53 | chr17 | 7576605 | 7576690 |
| ARID2 | chr12 | 46233062 | 46233176 | KMT2A | chr11 | 118342475 | 118342578 | TP53 | chr17 | 7576837 | 7576950 |
| ARID2 | chr12 | 46233176 | 46233296 | KMT2A | chr11 | 118342578 | 118342695 | TP53 | chr17 | 7576958 | 7577064 |
| ARID2 | chr12 | 46240568 | 46240665 | KMT2A | chr11 | 118342684 | 118342790 | TP53 | chr17 | 7577065 | 7577165 |
| ARID2 | chr12 | 46240656 | 46240746 | KMT2A | chr11 | 118342788 | 118342916 | TP53 | chr17 | 7577487 | 7577618 |
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| ARID2 | chr12 | 46242681 | 46242780 | KMT2A | chr11 | 118342991 | 118343087 | TP53 | chr17 | 7578235 | 7578362 |
| ARID2 | chr12 | 46243279 | 46243399 | KMT2A | chr11 | 118343087 | 118343170 | TP53 | chr17 | 7578305 | 7578432 |
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| ARID2 | chr12 | 46243786 | 46243899 | KMT2A | chr11 | 118343401 | 118343536 | TP53 | chr17 | 7579386 | 7579502 |
| ARID2 | chr12 | 46243899 | 46244018 | KMT2A | chr11 | 118343507 | 118343619 | TP53 | chr17 | 7579503 | 7579588 |
| ARID2 | chr12 | 46244018 | 46244144 | KMT2A | chr11 | 118343619 | 118343739 | TP53 | chr17 | 7579570 | 7579698 |

|       |       |          |          |       |       |           |           |      |       |         |         |
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| ARID2 | chr12 | 46244144 | 46244226 | KMT2A | chr11 | 118343739 | 118343839 | TP53 | chr17 | 7579699 | 7579822 |
| ARID2 | chr12 | 46244226 | 46244350 | KMT2A | chr11 | 118343839 | 118343922 | TP53 | chr17 | 7579835 | 7579949 |
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| ARID2 | chr12 | 46244467 | 46244562 | KMT2A | chr11 | 118344038 | 118344134 |      |       |         |         |
| ARID2 | chr12 | 46244562 | 46244690 | KMT2A | chr11 | 118344134 | 118344225 |      |       |         |         |
| ARID2 | chr12 | 46244690 | 46244793 | KMT2A | chr11 | 118344225 | 118344344 |      |       |         |         |
| ARID2 | chr12 | 46244793 | 46244898 | KMT2A | chr11 | 118344340 | 118344455 |      |       |         |         |
| ARID2 | chr12 | 46244898 | 46245025 | KMT2A | chr11 | 118344455 | 118344568 |      |       |         |         |
| ARID2 | chr12 | 46245025 | 46245139 | KMT2A | chr11 | 118344477 | 118344607 |      |       |         |         |
| ARID2 | chr12 | 46245139 | 46245266 | KMT2A | chr11 | 118344607 | 118344705 |      |       |         |         |
| ARID2 | chr12 | 46245266 | 46245389 | KMT2A | chr11 | 118344705 | 118344815 |      |       |         |         |
| ARID2 | chr12 | 46245389 | 46245508 | KMT2A | chr11 | 118344810 | 118344930 |      |       |         |         |
| ARID2 | chr12 | 46245508 | 46245626 | KMT2A | chr11 | 118344929 | 118345037 |      |       |         |         |
| ARID2 | chr12 | 46245626 | 46245720 | KMT2A | chr11 | 118347512 | 118347617 |      |       |         |         |
| ARID2 | chr12 | 46245718 | 46245814 | KMT2A | chr11 | 118347616 | 118347717 |      |       |         |         |
| ARID2 | chr12 | 46245814 | 46245923 | KMT2A | chr11 | 118348657 | 118348788 |      |       |         |         |
| ARID2 | chr12 | 46245922 | 46246044 | KMT2A | chr11 | 118348788 | 118348917 |      |       |         |         |
| ARID2 | chr12 | 46246032 | 46246117 | KMT2A | chr11 | 118350831 | 118350951 |      |       |         |         |
| ARID2 | chr12 | 46246117 | 46246197 | KMT2A | chr11 | 118350951 | 118351047 |      |       |         |         |
| ARID2 | chr12 | 46246197 | 46246292 | KMT2A | chr11 | 118352418 | 118352531 |      |       |         |         |
| ARID2 | chr12 | 46246292 | 46246403 | KMT2A | chr11 | 118352528 | 118352636 |      |       |         |         |
| ARID2 | chr12 | 46246403 | 46246509 | KMT2A | chr11 | 118352624 | 118352738 |      |       |         |         |
| ARID2 | chr12 | 46246508 | 46246611 | KMT2A | chr11 | 118352735 | 118352857 |      |       |         |         |
| ARID2 | chr12 | 46246611 | 46246687 | KMT2A | chr11 | 118353098 | 118353218 |      |       |         |         |
| ARID2 | chr12 | 46254567 | 46254645 | KMT2A | chr11 | 118354859 | 118354957 |      |       |         |         |
| ARID2 | chr12 | 46254642 | 46254717 | KMT2A | chr11 | 118354957 | 118355080 |      |       |         |         |
| ARID2 | chr12 | 46254707 | 46254774 | KMT2A | chr11 | 118355572 | 118355690 |      |       |         |         |
| ARID2 | chr12 | 46285552 | 46285621 | KMT2A | chr11 | 118359246 | 118359367 |      |       |         |         |
| ARID2 | chr12 | 46285621 | 46285733 | KMT2A | chr11 | 118359367 | 118359478 |      |       |         |         |
| ARID2 | chr12 | 46285673 | 46285805 | KMT2A | chr11 | 118360420 | 118360531 |      |       |         |         |
| ARID2 | chr12 | 46285805 | 46285922 | KMT2A | chr11 | 118360529 | 118360635 |      |       |         |         |
| ARID2 | chr12 | 46287142 | 46287245 | KMT2A | chr11 | 118360747 | 118360860 |      |       |         |         |
| ARID2 | chr12 | 46287245 | 46287332 | KMT2A | chr11 | 118360860 | 118360978 |      |       |         |         |
| ARID2 | chr12 | 46287352 | 46287475 | KMT2A | chr11 | 118361860 | 118361950 |      |       |         |         |
| ARID2 | chr12 | 46287467 | 46287578 | KMT2A | chr11 | 118361948 | 118362026 |      |       |         |         |
| ARID2 | chr12 | 46298693 | 46298780 | KMT2A | chr11 | 118362450 | 118362572 |      |       |         |         |
| ARID2 | chr12 | 46298772 | 46298888 | KMT2A | chr11 | 118362572 | 118362664 |      |       |         |         |
| ATRX  | chrX  | 76763770 | 76763879 | KMT2A | chr11 | 118363738 | 118363856 |      |       |         |         |
| ATRX  | chrX  | 76763876 | 76763960 | KMT2A | chr11 | 118363856 | 118363945 |      |       |         |         |
| ATRX  | chrX  | 76763960 | 76764047 | KMT2A | chr11 | 118364967 | 118365094 |      |       |         |         |

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| ATRX | chrX | 76764047 | 76764131 | KMT2A | chr11 | 118365110 | 118365200 |
| ATRX | chrX | 76776257 | 76776348 | KMT2A | chr11 | 118365310 | 118365423 |
| ATRX | chrX | 76776348 | 76776416 | KMT2A | chr11 | 118365423 | 118365509 |
| ATRX | chrX | 76776849 | 76776937 | KMT2A | chr11 | 118366319 | 118366425 |
| ATRX | chrX | 76776937 | 76777027 | KMT2A | chr11 | 118366425 | 118366517 |
| ATRX | chrX | 76777678 | 76777798 | KMT2A | chr11 | 118366517 | 118366608 |
| ATRX | chrX | 76777798 | 76777883 | KMT2A | chr11 | 118366958 | 118367083 |
| ATRX | chrX | 76778663 | 76778759 | KMT2A | chr11 | 118368578 | 118368694 |
| ATRX | chrX | 76778758 | 76778870 | KMT2A | chr11 | 118368694 | 118368809 |
| ATRX | chrX | 76778869 | 76778938 | KMT2A | chr11 | 118369027 | 118369154 |
| ATRX | chrX | 76812899 | 76813013 | KMT2A | chr11 | 118369153 | 118369235 |
| ATRX | chrX | 76812996 | 76813101 | KMT2A | chr11 | 118369924 | 118370019 |
| ATRX | chrX | 76813100 | 76813169 | KMT2A | chr11 | 118370019 | 118370136 |
| ATRX | chrX | 76814058 | 76814157 | KMT2A | chr11 | 118370530 | 118370630 |
| ATRX | chrX | 76814145 | 76814211 | KMT2A | chr11 | 118371625 | 118371750 |
| ATRX | chrX | 76814241 | 76814311 | KMT2A | chr11 | 118371750 | 118371862 |
| ATRX | chrX | 76829629 | 76829754 | KMT2A | chr11 | 118372289 | 118372391 |
| ATRX | chrX | 76829754 | 76829859 | KMT2A | chr11 | 118372391 | 118372462 |
| ATRX | chrX | 76845217 | 76845330 | KMT2A | chr11 | 118372462 | 118372588 |
| ATRX | chrX | 76845307 | 76845386 | KMT2A | chr11 | 118373077 | 118373197 |
| ATRX | chrX | 76849104 | 76849218 | KMT2A | chr11 | 118373194 | 118373317 |
| ATRX | chrX | 76849187 | 76849260 | KMT2A | chr11 | 118373305 | 118373404 |
| ATRX | chrX | 76849260 | 76849354 | KMT2A | chr11 | 118373403 | 118373524 |
| ATRX | chrX | 76854869 | 76854968 | KMT2A | chr11 | 118373524 | 118373641 |
| ATRX | chrX | 76854964 | 76855084 | KMT2A | chr11 | 118373641 | 118373742 |
| ATRX | chrX | 76855186 | 76855260 | KMT2A | chr11 | 118373742 | 118373866 |
| ATRX | chrX | 76855258 | 76855360 | KMT2A | chr11 | 118373866 | 118373976 |
| ATRX | chrX | 76855876 | 76855973 | KMT2A | chr11 | 118373976 | 118374062 |
| ATRX | chrX | 76855958 | 76856041 | KMT2A | chr11 | 118374062 | 118374184 |
| ATRX | chrX | 76872040 | 76872126 | KMT2A | chr11 | 118374183 | 118374304 |
| ATRX | chrX | 76872126 | 76872241 | KMT2A | chr11 | 118374304 | 118374404 |
| ATRX | chrX | 76874226 | 76874317 | KMT2A | chr11 | 118374404 | 118374512 |
| ATRX | chrX | 76874310 | 76874384 | KMT2A | chr11 | 118374502 | 118374610 |
| ATRX | chrX | 76874380 | 76874458 | KMT2A | chr11 | 118374607 | 118374699 |
| ATRX | chrX | 76875749 | 76875867 | KMT2A | chr11 | 118374699 | 118374775 |
| ATRX | chrX | 76875867 | 76875962 | KMT2A | chr11 | 118374775 | 118374873 |
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| ATRX | chrX | 76888765 | 76888842 | KMT2A | chr11 | 118375073 | 118375171 |
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| ATRX | chrX | 76889112 | 76889195 | KMT2A | chr11 | 118375383 | 118375510 |
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| ATRX | chrX | 76891357 | 76891459 | KMT2A | chr11 | 118375891 | 118376020 |
| ATRX | chrX | 76891420 | 76891494 | KMT2A | chr11 | 118376020 | 118376127 |
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| ATRX | chrX | 76912003 | 76912084 | KMT2A | chr11 | 118376582 | 118376677 |
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| ATRX | chrX | 76936934 | 76937037 | KMT2A | chr11 | 118378227 | 118378351 |
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| ATRX  | chrX | 76951959  | 76952068  | KMT2D | chr12 | 49420882 | 49421005 |
| ATRX  | chrX | 76952138  | 76952223  | KMT2D | chr12 | 49420962 | 49421064 |
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| ATRX  | chrX | 76953078  | 76953152  | KMT2D | chr12 | 49421489 | 49421606 |
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| ATRX  | chrX | 77041475  | 77041555  | KMT2D | chr12 | 49422738 | 49422835 |
| CSMD3 | chr8 | 113236965 | 113237070 | KMT2D | chr12 | 49422849 | 49422963 |
| CSMD3 | chr8 | 113237070 | 113237195 | KMT2D | chr12 | 49422935 | 49423029 |
| CSMD3 | chr8 | 113240929 | 113241038 | KMT2D | chr12 | 49423118 | 49423231 |
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| CSMD3 | chr8 | 113243750 | 113243822 | KMT2D | chr12 | 49424024 | 49424151 |
| CSMD3 | chr8 | 113243815 | 113243893 | KMT2D | chr12 | 49424150 | 49424241 |
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| CSMD3 | chr8 | 113267438 | 113267531 | KMT2D | chr12 | 49425790 | 49425895 |
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| CSMD3 | chr8 | 113275805 | 113275931 | KMT2D | chr12 | 49426046 | 49426178 |
| CSMD3 | chr8 | 113275926 | 113276049 | KMT2D | chr12 | 49426177 | 49426304 |
| CSMD3 | chr8 | 113277648 | 113277746 | KMT2D | chr12 | 49426295 | 49426406 |
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| CSMD3 | chr8 | 113293304 | 113293431 | KMT2D | chr12 | 49426536 | 49426622 |
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| CSMD3 | chr8 | 113304720 | 113304839 | KMT2D | chr12 | 49427723 | 49427847 |
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| CSMD3 | chr8 | 113314065 | 113314144 | KMT2D | chr12 | 49428565 | 49428670 |
| CSMD3 | chr8 | 113314144 | 113314229 | KMT2D | chr12 | 49428659 | 49428756 |
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| CSMD3 | chr8 | 113318150 | 113318272 | KMT2D | chr12 | 49431076 | 49431197 |
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| CSMD3 | chr8 | 113323125 | 113323250 | KMT2D | chr12 | 49431397 | 49431494 |
| CSMD3 | chr8 | 113323250 | 113323357 | KMT2D | chr12 | 49431483 | 49431612 |
| CSMD3 | chr8 | 113323357 | 113323429 | KMT2D | chr12 | 49431601 | 49431723 |



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| CSMD3 | chr8 | 113326579 | 113326671 | KMT2D | chr12 | 49431921 | 49432041 |
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| CSMD3 | chr8 | 113353729 | 113353810 | KMT2D | chr12 | 49433437 | 49433516 |
| CSMD3 | chr8 | 113353806 | 113353893 | KMT2D | chr12 | 49433601 | 49433705 |
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| CSMD3 | chr8 | 113363451 | 113363554 | KMT2D | chr12 | 49434007 | 49434109 |
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| CSMD3 | chr8 | 113529391 | 113529464 | KMT2D | chr12 | 49437938 | 49438068 |
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| CSMD3 | chr8 | 113585833 | 113585917 | KMT2D | chr12 | 49440023 | 49440131 |
| CSMD3 | chr8 | 113599288 | 113599396 | KMT2D | chr12 | 49440104 | 49440217 |
| CSMD3 | chr8 | 113599313 | 113599413 | KMT2D | chr12 | 49440333 | 49440462 |
| CSMD3 | chr8 | 113648987 | 113649107 | KMT2D | chr12 | 49440457 | 49440583 |
| CSMD3 | chr8 | 113649107 | 113649195 | KMT2D | chr12 | 49441642 | 49441768 |
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| CSMD3 | chr8 | 113662362 | 113662453 | KMT2D | chr12 | 49443538 | 49443620 |
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| CSMD3 | chr8 | 113662533 | 113662616 | KMT2D | chr12 | 49443716 | 49443803 |
| CSMD3 | chr8 | 113668357 | 113668453 | KMT2D | chr12 | 49443789 | 49443917 |
| CSMD3 | chr8 | 113668438 | 113668538 | KMT2D | chr12 | 49443943 | 49444022 |
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| CSMD3 | chr8 | 113678417 | 113678536 | KMT2D | chr12 | 49444126 | 49444217 |
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| CSMD3 | chr8 | 113678607 | 113678710 | KMT2D | chr12 | 49444303 | 49444395 |
| CSMD3 | chr8 | 113694604 | 113694689 | KMT2D | chr12 | 49444470 | 49444588 |
| CSMD3 | chr8 | 113694689 | 113694809 | KMT2D | chr12 | 49444650 | 49444775 |

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| CSMD3 | chr8 | 113697531 | 113697655 | KMT2D | chr12 | 49444928  | 49445045  |
| CSMD3 | chr8 | 113697659 | 113697755 | KMT2D | chr12 | 49445026  | 49445113  |
| CSMD3 | chr8 | 113697748 | 113697832 | KMT2D | chr12 | 49445090  | 49445176  |
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| CSMD3 | chr8 | 113702194 | 113702310 | KMT2D | chr12 | 49445468  | 49445561  |
| CSMD3 | chr8 | 113812296 | 113812417 | KMT2D | chr12 | 49445552  | 49445669  |
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| CSMD3 | chr8 | 113841846 | 113841967 | KMT2D | chr12 | 49445714  | 49445803  |
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| CSMD3 | chr8 | 113871327 | 113871449 | KMT2D | chr12 | 49445910  | 49446044  |
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| CSMD3 | chr8 | 113933767 | 113933870 | KMT2D | chr12 | 49446111  | 49446217  |
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| CSMD3 | chr8 | 113988127 | 113988239 | KMT2D | chr12 | 49447003  | 49447114  |
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| CSMD3 | chr8 | 114031168 | 114031291 | KMT2D | chr12 | 49447722  | 49447850  |
| CSMD3 | chr8 | 114031291 | 114031364 | KMT2D | chr12 | 49447839  | 49447944  |
| CSMD3 | chr8 | 114031364 | 114031449 | KMT2D | chr12 | 49447988  | 49448114  |
| CSMD3 | chr8 | 114110962 | 114111084 | KMT2D | chr12 | 49448107  | 49448227  |
| CSMD3 | chr8 | 114111083 | 114111165 | KMT2D | chr12 | 49448216  | 49448345  |
| CSMD3 | chr8 | 114111164 | 114111285 | KMT2D | chr12 | 49448326  | 49448438  |
| CSMD3 | chr8 | 114185925 | 114186041 | KMT2D | chr12 | 49448459  | 49448540  |
| CSMD3 | chr8 | 114186039 | 114186121 | KMT2D | chr12 | 49448517  | 49448612  |
| CSMD3 | chr8 | 114186121 | 114186237 | KMT2D | chr12 | 49448633  | 49448719  |
| CSMD3 | chr8 | 114290797 | 114290867 | KMT2D | chr12 | 49448707  | 49448822  |
| CSMD3 | chr8 | 114290864 | 114290932 | KMT2D | chr12 | 49449023  | 49449145  |
| CSMD3 | chr8 | 114326780 | 114326900 | LRP1B | chr2  | 140990697 | 140990818 |
| CSMD3 | chr8 | 114326833 | 114326954 | LRP1B | chr2  | 140990811 | 140990928 |
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| CSMD3 | chr8 | 114388873 | 114388991 | LRP1B | chr2  | 140992428 | 140992539 |
| CSMD3 | chr8 | 114388988 | 114389083 | LRP1B | chr2  | 140995689 | 140995806 |
| CSMD3 | chr8 | 114448856 | 114448984 | LRP1B | chr2  | 140996978 | 140997092 |

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| DAXX  | chr6 | 33286760  | 33286892  | LRP1B | chr2 | 141004685 | 141004761 |
| DAXX  | chr6 | 33286887  | 33287005  | LRP1B | chr2 | 141027774 | 141027878 |
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| DAXX  | chr6 | 33288143  | 33288271  | LRP1B | chr2 | 141072558 | 141072680 |
| DAXX  | chr6 | 33288268  | 33288373  | LRP1B | chr2 | 141079444 | 141079562 |
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| DAXX  | chr6 | 33288918  | 33289040  | LRP1B | chr2 | 141081565 | 141081679 |
| DAXX  | chr6 | 33289038  | 33289137  | LRP1B | chr2 | 141083235 | 141083345 |
| DAXX  | chr6 | 33289135  | 33289250  | LRP1B | chr2 | 141083334 | 141083457 |
| DAXX  | chr6 | 33289242  | 33289317  | LRP1B | chr2 | 141091970 | 141092046 |
| DAXX  | chr6 | 33289326  | 33289458  | LRP1B | chr2 | 141092035 | 141092142 |
| DAXX  | chr6 | 33289488  | 33289576  | LRP1B | chr2 | 141093096 | 141093208 |
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| DAXX  | chr6 | 33290581  | 33290707  | LRP1B | chr2 | 141108350 | 141108425 |
| KMT2C | chr7 | 151833860 | 151833980 | LRP1B | chr2 | 141108414 | 141108532 |
| KMT2C | chr7 | 151833969 | 151834062 | LRP1B | chr2 | 141108504 | 141108592 |
| KMT2C | chr7 | 151835759 | 151835866 | LRP1B | chr2 | 141108583 | 141108700 |
| KMT2C | chr7 | 151835855 | 151835975 | LRP1B | chr2 | 141110439 | 141110540 |
| KMT2C | chr7 | 151835964 | 151836082 | LRP1B | chr2 | 141110529 | 141110636 |
| KMT2C | chr7 | 151836208 | 151836326 | LRP1B | chr2 | 141110624 | 141110747 |
| KMT2C | chr7 | 151836315 | 151836396 | LRP1B | chr2 | 141113853 | 141113923 |
| KMT2C | chr7 | 151836657 | 151836749 | LRP1B | chr2 | 141113912 | 141114021 |
| KMT2C | chr7 | 151836738 | 151836815 | LRP1B | chr2 | 141114010 | 141114120 |
| KMT2C | chr7 | 151836804 | 151836926 | LRP1B | chr2 | 141115485 | 141115603 |
| KMT2C | chr7 | 151841705 | 151841814 | LRP1B | chr2 | 141115592 | 141115703 |
| KMT2C | chr7 | 151841803 | 151841913 | LRP1B | chr2 | 141116347 | 141116452 |
| KMT2C | chr7 | 151841902 | 151842016 | LRP1B | chr2 | 141116441 | 141116531 |
| KMT2C | chr7 | 151842116 | 151842227 | LRP1B | chr2 | 141122152 | 141122275 |

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| KMT2C | chr7 | 151842327 | 151842430 | LRP1B | chr2 | 141128204 | 141128311 |
| KMT2C | chr7 | 151843534 | 151843656 | LRP1B | chr2 | 141128300 | 141128421 |
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| KMT2C | chr7 | 151845423 | 151845533 | LRP1B | chr2 | 141135833 | 141135949 |
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| KMT2C | chr7 | 151845637 | 151845759 | LRP1B | chr2 | 141143475 | 141143588 |
| KMT2C | chr7 | 151845748 | 151845827 | LRP1B | chr2 | 141199994 | 141200118 |
| KMT2C | chr7 | 151845816 | 151845908 | LRP1B | chr2 | 141200107 | 141200202 |
| KMT2C | chr7 | 151845897 | 151846015 | LRP1B | chr2 | 141201881 | 141201956 |
| KMT2C | chr7 | 151846001 | 151846110 | LRP1B | chr2 | 141201945 | 141202050 |
| KMT2C | chr7 | 151846164 | 151846287 | LRP1B | chr2 | 141202038 | 141202158 |
| KMT2C | chr7 | 151847909 | 151848030 | LRP1B | chr2 | 141202147 | 141202264 |
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| KMT2C | chr7 | 151848083 | 151848189 | LRP1B | chr2 | 141208140 | 141208256 |
| KMT2C | chr7 | 151848421 | 151848551 | LRP1B | chr2 | 141213992 | 141214118 |
| KMT2C | chr7 | 151848540 | 151848651 | LRP1B | chr2 | 141214107 | 141214228 |
| KMT2C | chr7 | 151848640 | 151848720 | LRP1B | chr2 | 141215038 | 141215133 |
| KMT2C | chr7 | 151849681 | 151849803 | LRP1B | chr2 | 141215122 | 141215233 |
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| KMT2C | chr7 | 151849904 | 151849997 | LRP1B | chr2 | 141232819 | 141232923 |
| KMT2C | chr7 | 151849986 | 151850103 | LRP1B | chr2 | 141242838 | 141242955 |
| KMT2C | chr7 | 151850995 | 151851118 | LRP1B | chr2 | 141242945 | 141243049 |
| KMT2C | chr7 | 151851107 | 151851196 | LRP1B | chr2 | 141243038 | 141243118 |
| KMT2C | chr7 | 151851185 | 151851293 | LRP1B | chr2 | 141245102 | 141245224 |
| KMT2C | chr7 | 151851334 | 151851457 | LRP1B | chr2 | 141245213 | 141245320 |
| KMT2C | chr7 | 151851447 | 151851534 | LRP1B | chr2 | 141250107 | 141250216 |
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| KMT2C | chr7 | 151852927 | 151853011 | LRP1B | chr2 | 141253072 | 141253194 |
| KMT2C | chr7 | 151853009 | 151853126 | LRP1B | chr2 | 141253183 | 141253306 |
| KMT2C | chr7 | 151853123 | 151853210 | LRP1B | chr2 | 141253295 | 141253412 |
| KMT2C | chr7 | 151853268 | 151853369 | LRP1B | chr2 | 141259137 | 141259259 |
| KMT2C | chr7 | 151853358 | 151853481 | LRP1B | chr2 | 141259253 | 141259323 |
| KMT2C | chr7 | 151855827 | 151855932 | LRP1B | chr2 | 141259312 | 141259418 |
| KMT2C | chr7 | 151855921 | 151856000 | LRP1B | chr2 | 141259375 | 141259453 |

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| KMT2C | chr7 | 151856080 | 151856207 | LRP1B | chr2 | 141260592 | 141260715 |
| KMT2C | chr7 | 151859130 | 151859245 | LRP1B | chr2 | 141264337 | 141264420 |
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| KMT2C | chr7 | 151859306 | 151859423 | LRP1B | chr2 | 141267416 | 141267542 |
| KMT2C | chr7 | 151859418 | 151859529 | LRP1B | chr2 | 141267531 | 141267638 |
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| KMT2C | chr7 | 151859614 | 151859742 | LRP1B | chr2 | 141272215 | 141272294 |
| KMT2C | chr7 | 151859742 | 151859851 | LRP1B | chr2 | 141272283 | 141272366 |
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| KMT2C | chr7 | 151859948 | 151860062 | LRP1B | chr2 | 141274475 | 141274593 |
| KMT2C | chr7 | 151860051 | 151860163 | LRP1B | chr2 | 141283382 | 141283508 |
| KMT2C | chr7 | 151860152 | 151860268 | LRP1B | chr2 | 141283497 | 141283610 |
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| KMT2C | chr7 | 151860925 | 151861017 | LRP1B | chr2 | 141294200 | 141294293 |
| KMT2C | chr7 | 151864171 | 151864263 | LRP1B | chr2 | 141298529 | 141298647 |
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| KMT2C | chr7 | 151866285 | 151866353 | LRP1B | chr2 | 141356103 | 141356223 |
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| KMT2C | chr7 | 151873933 | 151874055 | LRP1B | chr2 | 141459778 | 141459873 |

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| KMT2C | chr7 | 151876880 | 151876975 | LRP1B | chr2 | 141533701 | 141533793 |
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| KMT2C | chr7 | 151878057 | 151878160 | LRP1B | chr2 | 141598460 | 141598578 |
| KMT2C | chr7 | 151878148 | 151878251 | LRP1B | chr2 | 141598567 | 141598689 |
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| KMT2C | chr7 | 151878353 | 151878480 | LRP1B | chr2 | 141607675 | 141607775 |
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| KMT2C | chr7 | 151879022 | 151879142 | LRP1B | chr2 | 141625139 | 141625208 |
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| KMT2C | chr7 | 151880136 | 151880233 | LRP1B | chr2 | 141643621 | 141643737 |
| KMT2C | chr7 | 151880223 | 151880339 | LRP1B | chr2 | 141643726 | 141643831 |
| KMT2C | chr7 | 151882542 | 151882666 | LRP1B | chr2 | 141643820 | 141643937 |

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| KMT2C | chr7 | 151892875 | 151892989 | LRP1B | chr2 | 141709457 | 141709531 |
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| KMT2C | chr7 | 151896397 | 151896515 | LRP1B | chr2 | 141747215 | 141747331 |
| KMT2C | chr7 | 151896494 | 151896597 | LRP1B | chr2 | 141751528 | 141751653 |
| KMT2C | chr7 | 151899895 | 151900005 | LRP1B | chr2 | 141751640 | 141751717 |
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| KMT2C | chr7 | 151904284 | 151904385 | LRP1B | chr2 | 141773217 | 141773337 |
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| KMT2C | chr7 | 151919161 | 151919257 | LRP1B | chr2 | 141812611 | 141812733 |
| KMT2C | chr7 | 151919592 | 151919708 | LRP1B | chr2 | 141812722 | 141812840 |
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| KMT2C | chr7 | 151921010 | 151921125 | LRP1B | chr2 | 141816471 | 141816570 |
| KMT2C | chr7 | 151921114 | 151921217 | LRP1B | chr2 | 141819533 | 141819653 |
| KMT2C | chr7 | 151921206 | 151921314 | LRP1B | chr2 | 141819642 | 141819771 |



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| KMT2C | chr7 | 151935815 | 151935911 | LRP1B | chr2  | 142237958 | 142238048 |
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| KMT2C | chr7 | 151944907 | 151945027 | LRP1B | chr2  | 142567837 | 142567956 |
| KMT2C | chr7 | 151945016 | 151945145 | LRP1B | chr2  | 142567945 | 142568022 |
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| KMT2C | chr7 | 151945352 | 151945469 | MEN1  | chr11 | 64571750  | 64571860  |
| KMT2C | chr7 | 151945458 | 151945565 | MEN1  | chr11 | 64571849  | 64571980  |
| KMT2C | chr7 | 151945554 | 151945676 | MEN1  | chr11 | 64572152  | 64572267  |
| KMT2C | chr7 | 151945665 | 151945774 | MEN1  | chr11 | 64572445  | 64572533  |
| KMT2C | chr7 | 151946891 | 151946999 | MEN1  | chr11 | 64572520  | 64572605  |
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| KMT2C | chr7 | 151947923 | 151948014 | MEN1  | chr11 | 64573224  | 64573351  |
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| KMT2C | chr7 | 151949655 | 151949753 | MEN1  | chr11 | 64574984  | 64575090  |
| KMT2C | chr7 | 151949742 | 151949855 | MEN1  | chr11 | 64575080  | 64575162  |
| KMT2C | chr7 | 151960049 | 151960173 | MEN1  | chr11 | 64575329  | 64575457  |
| KMT2C | chr7 | 151960163 | 151960274 | MEN1  | chr11 | 64575446  | 64575546  |
| KMT2C | chr7 | 151962065 | 151962152 | MEN1  | chr11 | 64577079  | 64577199  |
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| KMT2C | chr7 | 151962254 | 151962352 | MEN1  | chr11 | 64577280  | 64577416  |
| KMT2C | chr7 | 151970720 | 151970822 | MEN1  | chr11 | 64577410  | 64577548  |
| KMT2C | chr7 | 151970811 | 151970935 | MEN1  | chr11 | 64577540  | 64577659  |

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| KMT2C  | chr7  | 152006965 | 152007081 | NCAM2 | chr21 | 22652883 | 22652989 |
| KMT2C  | chr7  | 152007070 | 152007150 | NCAM2 | chr21 | 22656402 | 22656514 |
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| KMT2C  | chr7  | 152008743 | 152008865 | NCAM2 | chr21 | 22656577 | 22656647 |
| KMT2C  | chr7  | 152008859 | 152008935 | NCAM2 | chr21 | 22656636 | 22656747 |
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| KMT2C  | chr7  | 152012237 | 152012348 | NCAM2 | chr21 | 22664470 | 22664582 |
| KMT2C  | chr7  | 152012337 | 152012442 | NCAM2 | chr21 | 22696620 | 22696743 |
| KMT2C  | chr7  | 152012431 | 152012512 | NCAM2 | chr21 | 22696732 | 22696847 |
| KMT2C  | chr7  | 152027600 | 152027727 | NCAM2 | chr21 | 22707810 | 22707895 |
| KMT2C  | chr7  | 152027716 | 152027838 | NCAM2 | chr21 | 22707884 | 22707996 |
| KMT2C  | chr7  | 152027827 | 152027939 | NCAM2 | chr21 | 22710652 | 22710738 |
| KMT2C  | chr7  | 152055619 | 152055710 | NCAM2 | chr21 | 22710727 | 22710797 |
| KMT2C  | chr7  | 152055699 | 152055812 | NCAM2 | chr21 | 22710786 | 22710879 |
| KMT2C  | chr7  | 152132719 | 152132848 | NCAM2 | chr21 | 22746140 | 22746267 |
| KMT2C  | chr7  | 152132753 | 152132885 | NCAM2 | chr21 | 22746256 | 22746371 |
| PTEN   | chr10 | 89624204  | 89624323  | NCAM2 | chr21 | 22782524 | 22782634 |
| PTEN   | chr10 | 89653752  | 89653818  | NCAM2 | chr21 | 22782641 | 22782703 |
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| PTEN   | chr10 | 89685245  | 89685357  | NCAM2 | chr21 | 22790771 | 22790869 |
| PTEN   | chr10 | 89690820  | 89690917  | NCAM2 | chr21 | 22790858 | 22790952 |
| PTEN   | chr10 | 89692714  | 89692819  | NCAM2 | chr21 | 22804394 | 22804515 |
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| PTEN   | chr10 | 89692921  | 89693032  | NCAM2 | chr21 | 22838869 | 22838963 |
| PTEN   | chr10 | 89711803  | 89711928  | NCAM2 | chr21 | 22838952 | 22839069 |
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| PTEN   | chr10 | 89720693  | 89720769  | NCAM2 | chr21 | 22849687 | 22849764 |
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| PTEN   | chr10 | 89725120  | 89725240  | NCAM2 | chr21 | 22881275 | 22881387 |
| PTPRZ1 | chr7  | 121513512 | 121513648 | NCAM2 | chr21 | 22906777 | 22906891 |
| PTPRZ1 | chr7  | 121568117 | 121568234 | NCAM2 | chr21 | 22906880 | 22906990 |
| PTPRZ1 | chr7  | 121568234 | 121568341 | NCAM2 | chr21 | 22910090 | 22910190 |

|        |      |           |           |        |       |           |           |
|--------|------|-----------|-----------|--------|-------|-----------|-----------|
| PTPRZ1 | chr7 | 121608011 | 121608124 | NCAM2  | chr21 | 22910188  | 22910294  |
| PTPRZ1 | chr7 | 121608066 | 121608153 | NOTCH2 | chr1  | 120457827 | 120457943 |
| PTPRZ1 | chr7 | 121612580 | 121612652 | NOTCH2 | chr1  | 120457929 | 120458056 |
| PTPRZ1 | chr7 | 121612652 | 121612746 | NOTCH2 | chr1  | 120458045 | 120458148 |
| PTPRZ1 | chr7 | 121616196 | 121616276 | NOTCH2 | chr1  | 120458115 | 120458236 |
| PTPRZ1 | chr7 | 121616274 | 121616394 | NOTCH2 | chr1  | 120458228 | 120458308 |
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| PTPRZ1 | chr7 | 121636409 | 121636485 | NOTCH2 | chr1  | 120458923 | 120459031 |
| PTPRZ1 | chr7 | 121636485 | 121636599 | NOTCH2 | chr1  | 120459020 | 120459141 |
| PTPRZ1 | chr7 | 121636599 | 121636714 | NOTCH2 | chr1  | 120459122 | 120459240 |
| PTPRZ1 | chr7 | 121637889 | 121637970 | NOTCH2 | chr1  | 120459229 | 120459333 |
| PTPRZ1 | chr7 | 121637961 | 121638033 | NOTCH2 | chr1  | 120460236 | 120460366 |
| PTPRZ1 | chr7 | 121638033 | 121638129 | NOTCH2 | chr1  | 120460355 | 120460435 |
| PTPRZ1 | chr7 | 121644631 | 121644753 | NOTCH2 | chr1  | 120460945 | 120461060 |
| PTPRZ1 | chr7 | 121650302 | 121650428 | NOTCH2 | chr1  | 120461049 | 120461152 |
| PTPRZ1 | chr7 | 121650428 | 121650554 | NOTCH2 | chr1  | 120461141 | 120461211 |
| PTPRZ1 | chr7 | 121650554 | 121650683 | NOTCH2 | chr1  | 120461919 | 120462003 |
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| PTPRZ1 | chr7 | 121650790 | 121650886 | NOTCH2 | chr1  | 120462044 | 120462151 |
| PTPRZ1 | chr7 | 121650886 | 121651008 | NOTCH2 | chr1  | 120462140 | 120462250 |
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| PTPRZ1 | chr7 | 121651112 | 121651221 | NOTCH2 | chr1  | 120462884 | 120462984 |
| PTPRZ1 | chr7 | 121651219 | 121651344 | NOTCH2 | chr1  | 120464234 | 120464357 |
| PTPRZ1 | chr7 | 121651344 | 121651422 | NOTCH2 | chr1  | 120464346 | 120464458 |
| PTPRZ1 | chr7 | 121651422 | 121651503 | NOTCH2 | chr1  | 120464818 | 120464920 |
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| PTPRZ1 | chr7 | 121651752 | 121651835 | NOTCH2 | chr1  | 120465150 | 120465267 |
| PTPRZ1 | chr7 | 121651834 | 121651956 | NOTCH2 | chr1  | 120465259 | 120465372 |
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| PTPRZ1 | chr7 | 121652369 | 121652496 | NOTCH2 | chr1  | 120466553 | 120466632 |
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| PTPRZ1 | chr7 | 121653015 | 121653135 | NOTCH2 | chr1 | 120469009 | 120469132 |
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| PTPRZ1 | chr7 | 121653241 | 121653319 | NOTCH2 | chr1 | 120471564 | 120471688 |
| PTPRZ1 | chr7 | 121653319 | 121653429 | NOTCH2 | chr1 | 120471655 | 120471771 |
| PTPRZ1 | chr7 | 121653459 | 121653580 | NOTCH2 | chr1 | 120471759 | 120471861 |
| PTPRZ1 | chr7 | 121653580 | 121653652 | NOTCH2 | chr1 | 120477990 | 120478111 |
| PTPRZ1 | chr7 | 121653652 | 121653762 | NOTCH2 | chr1 | 120478096 | 120478169 |
| PTPRZ1 | chr7 | 121653762 | 121653887 | NOTCH2 | chr1 | 120478158 | 120478244 |
| PTPRZ1 | chr7 | 121653887 | 121653965 | NOTCH2 | chr1 | 120479848 | 120479922 |
| PTPRZ1 | chr7 | 121659105 | 121659187 | NOTCH2 | chr1 | 120479917 | 120480016 |
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| PTPRZ1 | chr7 | 121659280 | 121659407 | NOTCH2 | chr1 | 120480435 | 120480539 |
| PTPRZ1 | chr7 | 121668565 | 121668657 | NOTCH2 | chr1 | 120480528 | 120480622 |
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| PTPRZ1 | chr7 | 121671478 | 121671545 | NOTCH2 | chr1 | 120483071 | 120483182 |
| PTPRZ1 | chr7 | 121671558 | 121671681 | NOTCH2 | chr1 | 120483172 | 120483277 |
| PTPRZ1 | chr7 | 121674152 | 121674274 | NOTCH2 | chr1 | 120483266 | 120483389 |
| PTPRZ1 | chr7 | 121674284 | 121674356 | NOTCH2 | chr1 | 120484069 | 120484176 |
| PTPRZ1 | chr7 | 121674356 | 121674446 | NOTCH2 | chr1 | 120484165 | 120484274 |
| PTPRZ1 | chr7 | 121676624 | 121676696 | NOTCH2 | chr1 | 120484263 | 120484387 |
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| PTPRZ1 | chr7 | 121678826 | 121678905 | NOTCH2 | chr1 | 120491105 | 120491202 |
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| PTPRZ1 | chr7 | 121684394 | 121684516 | NOTCH2 | chr1 | 120497688 | 120497813 |
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| PTPRZ1 | chr7 | 121691486 | 121691561 | NOTCH2 | chr1 | 120501905 | 120502029 |
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| PTPRZ1 | chr7 | 121691833 | 121691938 | NOTCH2 | chr1 | 120506097 | 120506225 |
| PTPRZ1 | chr7 | 121691938 | 121692026 | NOTCH2 | chr1 | 120506200 | 120506322 |

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| PTPRZ1 | chr7  | 121693933 | 121694016 | NOTCH2 | chr1 | 120506306 | 120506419 |
| PTPRZ1 | chr7  | 121694016 | 121694101 | NOTCH2 | chr1 | 120506408 | 120506484 |
| PTPRZ1 | chr7  | 121694920 | 121695042 | NOTCH2 | chr1 | 120508019 | 120508126 |
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| PTPRZ1 | chr7  | 121695089 | 121695195 | NOTCH2 | chr1 | 120508939 | 120509045 |
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| PTPRZ1 | chr7  | 121699725 | 121699835 | NOTCH2 | chr1 | 120510147 | 120510254 |
| PTPRZ1 | chr7  | 121699835 | 121699947 | NOTCH2 | chr1 | 120510581 | 120510708 |
| PTPRZ1 | chr7  | 121701048 | 121701175 | NOTCH2 | chr1 | 120510697 | 120510821 |
| PTPRZ1 | chr7  | 121701175 | 121701292 | NOTCH2 | chr1 | 120510782 | 120510871 |
| RAI1   | chr17 | 17696149  | 17696271  | NOTCH2 | chr1 | 120512086 | 120512210 |
| RAI1   | chr17 | 17696268  | 17696373  | NOTCH2 | chr1 | 120512133 | 120512262 |
| RAI1   | chr17 | 17696354  | 17696435  | NOTCH2 | chr1 | 120512251 | 120512375 |
| RAI1   | chr17 | 17696429  | 17696558  | NOTCH2 | chr1 | 120512363 | 120512441 |
| RAI1   | chr17 | 17696495  | 17696599  | NOTCH2 | chr1 | 120529543 | 120529672 |
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| RAI1   | chr17 | 17696714  | 17696833  | NOTCH2 | chr1 | 120539521 | 120539630 |
| RAI1   | chr17 | 17696832  | 17696961  | NOTCH2 | chr1 | 120539619 | 120539701 |
| RAI1   | chr17 | 17696946  | 17697059  | NOTCH2 | chr1 | 120539689 | 120539817 |
| RAI1   | chr17 | 17697059  | 17697193  | NOTCH2 | chr1 | 120539816 | 120539937 |
| RAI1   | chr17 | 17697193  | 17697329  | NOTCH2 | chr1 | 120539925 | 120540008 |
| RAI1   | chr17 | 17697329  | 17697422  | NOTCH2 | chr1 | 120547928 | 120548049 |
| RAI1   | chr17 | 17697422  | 17697532  | NOTCH2 | chr1 | 120548038 | 120548141 |
| RAI1   | chr17 | 17697531  | 17697649  | NOTCH2 | chr1 | 120548190 | 120548268 |
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| RAI1   | chr17 | 17697729  | 17697849  | PCLO   | chr7 | 82387785  | 82387910  |
| RAI1   | chr17 | 17697848  | 17697978  | PCLO   | chr7 | 82387899  | 82387992  |
| RAI1   | chr17 | 17697977  | 17698105  | PCLO   | chr7 | 82387981  | 82388104  |
| RAI1   | chr17 | 17698097  | 17698190  | PCLO   | chr7 | 82389855  | 82389970  |
| RAI1   | chr17 | 17698190  | 17698318  | PCLO   | chr7 | 82389978  | 82390098  |
| RAI1   | chr17 | 17698310  | 17698441  | PCLO   | chr7 | 82390635  | 82390720  |
| RAI1   | chr17 | 17698440  | 17698559  | PCLO   | chr7 | 82390704  | 82390792  |
| RAI1   | chr17 | 17698559  | 17698686  | PCLO   | chr7 | 82390792  | 82390905  |
| RAI1   | chr17 | 17698679  | 17698815  | PCLO   | chr7 | 82430818  | 82430935  |
| RAI1   | chr17 | 17698811  | 17698947  | PCLO   | chr7 | 82434951  | 82435049  |
| RAI1   | chr17 | 17698943  | 17699066  | PCLO   | chr7 | 82435031  | 82435149  |
| RAI1   | chr17 | 17699066  | 17699182  | PCLO   | chr7 | 82451773  | 82451893  |
| RAI1   | chr17 | 17699177  | 17699313  | PCLO   | chr7 | 82451828  | 82451947  |
| RAI1   | chr17 | 17699309  | 17699438  | PCLO   | chr7 | 82451936  | 82452044  |

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| RAI1  | chr17 | 17699543 | 17699646 | PCLO | chr7 | 82453569 | 82453684 |
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| RAI1  | chr17 | 17700025 | 17700154 | PCLO | chr7 | 82457113 | 82457214 |
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| RAI1  | chr17 | 17700340 | 17700467 | PCLO | chr7 | 82467434 | 82467553 |
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| RAI1  | chr17 | 17701106 | 17701219 | PCLO | chr7 | 82474777 | 82474850 |
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| RAI1  | chr17 | 17701479 | 17701616 | PCLO | chr7 | 82476470 | 82476584 |
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| RAI1  | chr17 | 17712680 | 17712784 | PCLO | chr7 | 82538222 | 82538339 |
| RAI1  | chr17 | 17713243 | 17713348 | PCLO | chr7 | 82543902 | 82544021 |
| SETD2 | chr3  | 47058484 | 47058600 | PCLO | chr7 | 82544010 | 82544139 |
| SETD2 | chr3  | 47058592 | 47058693 | PCLO | chr7 | 82544128 | 82544238 |
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| SETD2 | chr3  | 47058748 | 47058844 | PCLO | chr7 | 82544296 | 82544385 |
| SETD2 | chr3  | 47059029 | 47059158 | PCLO | chr7 | 82544374 | 82544482 |
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| SETD2 | chr3  | 47061145 | 47061275 | PCLO | chr7 | 82544642 | 82544763 |
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| SETD2 | chr3  | 47079263 | 47079365 | PCLO | chr7 | 82545035 | 82545132 |
| SETD2 | chr3  | 47083949 | 47084063 | PCLO | chr7 | 82545121 | 82545242 |
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| SETD2 | chr3 | 47087985 | 47088078 | PCLO | chr7 | 82545534 | 82545661 |
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| SETD2 | chr3 | 47125170 | 47125249 | PCLO | chr7 | 82579768 | 82579878 |
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| SETD2 | chr3 | 47139460 | 47139570 | PCLO | chr7 | 82581534 | 82581655 |
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| SETD2 | chr3 | 47147438 | 47147521 | PCLO | chr7 | 82582302 | 82582416 |
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| SETD2 | chr3 | 47147618 | 47147741 | PCLO | chr7 | 82582520 | 82582637 |
| SETD2 | chr3 | 47155378 | 47155473 | PCLO | chr7 | 82582626 | 82582739 |
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| SETD2 | chr3 | 47163193 | 47163311 | PCLO | chr7 | 82584700 | 82584813 |
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| SETD2 | chr3 | 47163414 | 47163522 | PCLO | chr7 | 82584912 | 82585037 |
| SETD2 | chr3 | 47163511 | 47163615 | PCLO | chr7 | 82585026 | 82585132 |
| SETD2 | chr3 | 47163582 | 47163660 | PCLO | chr7 | 82585121 | 82585209 |
| SETD2 | chr3 | 47163729 | 47163849 | PCLO | chr7 | 82585198 | 82585289 |
| SETD2 | chr3 | 47163838 | 47163957 | PCLO | chr7 | 82585278 | 82585386 |
| SETD2 | chr3 | 47163946 | 47164071 | PCLO | chr7 | 82585375 | 82585476 |
| SETD2 | chr3 | 47164070 | 47164184 | PCLO | chr7 | 82585465 | 82585557 |
| SETD2 | chr3 | 47164155 | 47164250 | PCLO | chr7 | 82585546 | 82585668 |
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| SETD2 | chr3 | 47164574 | 47164658 | PCLO | chr7 | 82585982 | 82586091 |
| SETD2 | chr3 | 47164647 | 47164731 | PCLO | chr7 | 82586080 | 82586169 |
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|         |      |           |           |      |      |          |          |
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| SETD2   | chr3 | 47164836  | 47164932  | PCLO | chr7 | 82595068 | 82595170 |
| SETD2   | chr3 | 47164919  | 47165042  | PCLO | chr7 | 82595159 | 82595241 |
| SETD2   | chr3 | 47165031  | 47165113  | PCLO | chr7 | 82595230 | 82595355 |
| SETD2   | chr3 | 47165102  | 47165219  | PCLO | chr7 | 82595354 | 82595482 |
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| SETD2   | chr3 | 47165758  | 47165869  | PCLO | chr7 | 82763727 | 82763837 |
| SETD2   | chr3 | 47165858  | 47165984  | PCLO | chr7 | 82763825 | 82763933 |
| SETD2   | chr3 | 47165973  | 47166088  | PCLO | chr7 | 82763899 | 82764018 |
| SETD2   | chr3 | 47168064  | 47168163  | PCLO | chr7 | 82764007 | 82764125 |
| SETD2   | chr3 | 47168162  | 47168237  | PCLO | chr7 | 82764114 | 82764244 |
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| SMARCA1 | chrX | 128581160 | 128581255 | PCLO | chr7 | 82764374 | 82764490 |
| SMARCA1 | chrX | 128581244 | 128581340 | PCLO | chr7 | 82764479 | 82764557 |
| SMARCA1 | chrX | 128582181 | 128582304 | PCLO | chr7 | 82764546 | 82764672 |
| SMARCA1 | chrX | 128582293 | 128582377 | PCLO | chr7 | 82764661 | 82764759 |
| SMARCA1 | chrX | 128582366 | 128582447 | PCLO | chr7 | 82764748 | 82764867 |
| SMARCA1 | chrX | 128582435 | 128582512 | PCLO | chr7 | 82764859 | 82764983 |
| SMARCA1 | chrX | 128599405 | 128599502 | PCLO | chr7 | 82783989 | 82784111 |
| SMARCA1 | chrX | 128599491 | 128599574 | PCLO | chr7 | 82784100 | 82784226 |
| SMARCA1 | chrX | 128599563 | 128599668 | PCLO | chr7 | 82784215 | 82784331 |
| SMARCA1 | chrX | 128599657 | 128599759 | PCLO | chr7 | 82784555 | 82784660 |
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| SMARCA1 | chrX | 128599831 | 128599910 | PCLO | chr7 | 82784696 | 82784808 |
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| SMARCA1 | chrX | 128602695 | 128602804 | PCLO | chr7 | 82784925 | 82785044 |
| SMARCA1 | chrX | 128602793 | 128602911 | PCLO | chr7 | 82785034 | 82785149 |
| SMARCA1 | chrX | 128602900 | 128603011 | PCLO | chr7 | 82785138 | 82785221 |
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| SMARCA1 | chrX | 128614698 | 128614785 | PCLO | chr7 | 82785572 | 82785693 |
| SMARCA1 | chrX | 128614774 | 128614886 | PCLO | chr7 | 82785703 | 82785818 |
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| SMARCA1 | chrX | 128615006 | 128615107 | PCLO | chr7 | 82791757 | 82791885 |

|         |      |           |           |        |      |           |           |
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| SMARCA1 | chrX | 128621107 | 128621191 | PSIP1  | chr9 | 15468592  | 15468718  |
| SMARCA1 | chrX | 128622822 | 128622936 | PSIP1  | chr9 | 15468707  | 15468830  |
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| SMARCA1 | chrX | 128623995 | 128624090 | PSIP1  | chr9 | 15469173  | 15469295  |
| SMARCA1 | chrX | 128624143 | 128624264 | PSIP1  | chr9 | 15469288  | 15469353  |
| SMARCA1 | chrX | 128625793 | 128625913 | PSIP1  | chr9 | 15469822  | 15469942  |
| SMARCA1 | chrX | 128625902 | 128626008 | PSIP1  | chr9 | 15469939  | 15470010  |
| SMARCA1 | chrX | 128625997 | 128626120 | PSIP1  | chr9 | 15471154  | 15471277  |
| SMARCA1 | chrX | 128626930 | 128627055 | PSIP1  | chr9 | 15472601  | 15472711  |
| SMARCA1 | chrX | 128627017 | 128627131 | PSIP1  | chr9 | 15472672  | 15472778  |
| SMARCA1 | chrX | 128630632 | 128630753 | PSIP1  | chr9 | 15474022  | 15474137  |
| SMARCA1 | chrX | 128630742 | 128630821 | PSIP1  | chr9 | 15474136  | 15474244  |
| SMARCA1 | chrX | 128630810 | 128630917 | PSIP1  | chr9 | 15474238  | 15474318  |
| SMARCA1 | chrX | 128631730 | 128631850 | PSIP1  | chr9 | 15478424  | 15478540  |
| SMARCA1 | chrX | 128631839 | 128631915 | PSIP1  | chr9 | 15479538  | 15479662  |
| SMARCA1 | chrX | 128631904 | 128631984 | PSIP1  | chr9 | 15479596  | 15479706  |
| SMARCA1 | chrX | 128631973 | 128632098 | PSIP1  | chr9 | 15485945  | 15486040  |
| SMARCA1 | chrX | 128633595 | 128633714 | PSIP1  | chr9 | 15486017  | 15486104  |
| SMARCA1 | chrX | 128633713 | 128633783 | PSIP1  | chr9 | 15486780  | 15486872  |
| SMARCA1 | chrX | 128633772 | 128633886 | PSIP1  | chr9 | 15486846  | 15486927  |
| SMARCA1 | chrX | 128638618 | 128638733 | PSIP1  | chr9 | 15486935  | 15487057  |
| SMARCA1 | chrX | 128638722 | 128638830 | PSIP1  | chr9 | 15489938  | 15490039  |
| SMARCA1 | chrX | 128639945 | 128640034 | PSIP1  | chr9 | 15490028  | 15490136  |
| SMARCA1 | chrX | 128640023 | 128640121 | PSIP1  | chr9 | 15506517  | 15506605  |
| SMARCA1 | chrX | 128640110 | 128640230 | PSIP1  | chr9 | 15506577  | 15506695  |
| SMARCA1 | chrX | 128640198 | 128640300 | PSIP1  | chr9 | 15510056  | 15510176  |
| SMARCA1 | chrX | 128641840 | 128641963 | PSIP1  | chr9 | 15510192  | 15510324  |
| SMARCA1 | chrX | 128641958 | 128642052 | PTPRZ1 | chr7 | 121513512 | 121513635 |
| SMARCA1 | chrX | 128642041 | 128642161 | PTPRZ1 | chr7 | 121568122 | 121568245 |
| SMARCA1 | chrX | 128645711 | 128645803 | PTPRZ1 | chr7 | 121568234 | 121568339 |
| SMARCA1 | chrX | 128645792 | 128645916 | PTPRZ1 | chr7 | 121607881 | 121607998 |
| SMARCA1 | chrX | 128645905 | 128646022 | PTPRZ1 | chr7 | 121608002 | 121608104 |
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| SMARCA1 | chrX | 128649654 | 128649771 | PTPRZ1 | chr7 | 121608179 | 121608290 |
| SMARCA1 | chrX | 128649749 | 128649833 | PTPRZ1 | chr7 | 121612577 | 121612649 |

|         |      |           |           |        |      |           |           |
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| SMARCA2 | chr9 | 2028866   | 2028994   | PTPRZ1 | chr7 | 121636409 | 121636491 |
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| SMARCA2 | chr9 | 2039375   | 2039460   | PTPRZ1 | chr7 | 121650508 | 121650626 |
| SMARCA2 | chr9 | 2039449   | 2039538   | PTPRZ1 | chr7 | 121650615 | 121650729 |
| SMARCA2 | chr9 | 2039527   | 2039647   | PTPRZ1 | chr7 | 121650718 | 121650836 |
| SMARCA2 | chr9 | 2039636   | 2039733   | PTPRZ1 | chr7 | 121650825 | 121650932 |
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| SMARCA2 | chr9 | 2054636   | 2054706   | PTPRZ1 | chr7 | 121651567 | 121651692 |
| SMARCA2 | chr9 | 2054695   | 2054773   | PTPRZ1 | chr7 | 121651671 | 121651776 |
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| SMARCA2 | chr9 | 2058313   | 2058431   | PTPRZ1 | chr7 | 121652170 | 121652281 |
| SMARCA2 | chr9 | 2058420   | 2058514   | PTPRZ1 | chr7 | 121652270 | 121652393 |
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| SMARCA2 | chr9 | 2060829   | 2060949   | PTPRZ1 | chr7 | 121652481 | 121652585 |
| SMARCA2 | chr9 | 2060937   | 2061037   | PTPRZ1 | chr7 | 121652574 | 121652685 |
| SMARCA2 | chr9 | 2070354   | 2070463   | PTPRZ1 | chr7 | 121652674 | 121652802 |
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| SMARCA2 | chr9 | 2081726 | 2081845 | PTPRZ1 | chr7 | 121659136 | 121659260 |
| SMARCA2 | chr9 | 2081834 | 2081933 | PTPRZ1 | chr7 | 121659249 | 121659358 |
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| SMARCA2 | chr9 | 2097475 | 2097586 | PTPRZ1 | chr7 | 121684364 | 121684485 |
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| SMARCA2 | chr9 | 2104016 | 2104104 | PTPRZ1 | chr7 | 121691500 | 121691619 |
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| SMARCA2 | chr9 | 2115777 | 2115903 | PTPRZ1 | chr7  | 121694993 | 121695111 |
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| SMARCA2 | chr9 | 2157748 | 2157868 | RIN3   | chr14 | 93022079  | 93022204  |
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| SMARCA2 | chr9 | 2161551 | 2161666 | RIN3   | chr14 | 93117832  | 93117942  |
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| SMARCA2 | chr9 | 2161761 | 2161880 | RIN3   | chr14 | 93118058  | 93118154  |
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| SMARCA2 | chr9 | 2170358 | 2170458 | RIN3   | chr14 | 93118474  | 93118580  |
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| SMARCA2 | chr9 | 2182048 | 2182153 | RIN3   | chr14 | 93118979  | 93119092  |
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| SMARCA2 | chr9 | 2191128 | 2191250 | RIN3   | chr14 | 93125498  | 93125612  |
| SMARCA2 | chr9 | 2191239 | 2191318 | RIN3   | chr14 | 93125601  | 93125729  |
| SMARCA2 | chr9 | 2191386 | 2191483 | RIN3   | chr14 | 93125718  | 93125847  |
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| SMARCA2 | chr9 | 2029138 | 2029254 | RIN3   | chr14 | 93151395  | 93151490  |
| SMARCA2 | chr9 | 2032876 | 2033001 | RIN3   | chr14 | 93151469  | 93151563  |
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| SMARCA2 | chr9 | 2039627 | 2039736 | RIN3   | chr14 | 93154598  | 93154690  |
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| SMARCA2 | chr9 | 2056663 | 2056791 | SPHKAP | chr2  | 228855945 | 228856065 |
| SMARCA2 | chr9 | 2056791 | 2056900 | SPHKAP | chr2  | 228858229 | 228858356 |
| SMARCA2 | chr9 | 2058251 | 2058370 | SPHKAP | chr2  | 228860146 | 228860271 |
| SMARCA2 | chr9 | 2058367 | 2058480 | SPHKAP | chr2  | 228860265 | 228860393 |
| SMARCA2 | chr9 | 2060767 | 2060880 | SPHKAP | chr2  | 228860393 | 228860476 |
| SMARCA2 | chr9 | 2060880 | 2060991 | SPHKAP | chr2  | 228881079 | 228881191 |
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| SMARCA2 | chr9 | 2073553 | 2073687 | SPHKAP | chr2  | 228881455 | 228881557 |
| SMARCA2 | chr9 | 2076173 | 2076246 | SPHKAP | chr2  | 228881543 | 228881648 |
| SMARCA2 | chr9 | 2076246 | 2076349 | SPHKAP | chr2  | 228881637 | 228881751 |
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| SMARCA2 | chr9 | 2086773 | 2086892 | SPHKAP | chr2  | 228882636 | 228882720 |
| SMARCA2 | chr9 | 2086892 | 2087007 | SPHKAP | chr2  | 228882709 | 228882808 |
| SMARCA2 | chr9 | 2087007 | 2087103 | SPHKAP | chr2  | 228882797 | 228882924 |
| SMARCA2 | chr9 | 2088423 | 2088523 | SPHKAP | chr2  | 228882913 | 228883033 |
| SMARCA2 | chr9 | 2088514 | 2088598 | SPHKAP | chr2  | 228883022 | 228883110 |
| SMARCA2 | chr9 | 2088598 | 2088672 | SPHKAP | chr2  | 228883099 | 228883201 |
| SMARCA2 | chr9 | 2096647 | 2096774 | SPHKAP | chr2  | 228883190 | 228883271 |
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| SMARCA2 | chr9 | 2097414 | 2097486 | SPHKAP | chr2  | 228883346 | 228883429 |
| SMARCA2 | chr9 | 2101507 | 2101582 | SPHKAP | chr2  | 228883418 | 228883533 |
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| SMARCA2 | chr9 | 2110211   | 2110323   | SPHKAP | chr2 | 228883847 | 228883926 |
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| SMARCA2 | chr9 | 2161672   | 2161794   | SPHKAP | chr2 | 228884549 | 228884671 |
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| SMARCA2 | chr9 | 2186128   | 2186238   | SPHKAP | chr2 | 228973490 | 228973558 |
| SMARCA2 | chr9 | 2191245   | 2191372   | SPHKAP | chr2 | 228973547 | 228973665 |
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| SMARCA2 | chr9 | 2192636   | 2192760   | SPHKAP | chr2 | 228996695 | 228996812 |
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| SMARCA3 | chr3 | 148750109 | 148750228 | TDRD7  | chr9 | 100190771 | 100190866 |
| SMARCA3 | chr3 | 148752607 | 148752727 | TDRD7  | chr9 | 100190855 | 100190975 |
| SMARCA3 | chr3 | 148752726 | 148752793 | TDRD7  | chr9 | 100193151 | 100193270 |
| SMARCA3 | chr3 | 148752782 | 148752869 | TDRD7  | chr9 | 100193259 | 100193367 |
| SMARCA3 | chr3 | 148756843 | 148756915 | TDRD7  | chr9 | 100194294 | 100194365 |
| SMARCA3 | chr3 | 148756904 | 148756986 | TDRD7  | chr9 | 100194354 | 100194443 |
| SMARCA3 | chr3 | 148756975 | 148757086 | TDRD7  | chr9 | 100194432 | 100194530 |
| SMARCA3 | chr3 | 148757283 | 148757384 | TDRD7  | chr9 | 100201461 | 100201578 |
| SMARCA3 | chr3 | 148757373 | 148757457 | TDRD7  | chr9 | 100201574 | 100201666 |
| SMARCA3 | chr3 | 148757443 | 148757558 | TDRD7  | chr9 | 100203912 | 100203992 |
| SMARCA3 | chr3 | 148757711 | 148757829 | TDRD7  | chr9 | 100203977 | 100204047 |
| SMARCA3 | chr3 | 148757818 | 148757901 | TDRD7  | chr9 | 100204141 | 100204245 |
| SMARCA3 | chr3 | 148757946 | 148758069 | TDRD7  | chr9 | 100222412 | 100222533 |
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| SMARCA3 | chr3 | 148759256 | 148759326 | TDRD7  | chr9 | 100222637 | 100222749 |
| SMARCA3 | chr3 | 148759315 | 148759420 | TDRD7  | chr9 | 100222738 | 100222860 |

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| SMARCA3 | chr3 | 148759849 | 148759966 | TDRD7  | chr9 | 100222969 | 100223083 |
| SMARCA3 | chr3 | 148759955 | 148760023 | TDRD7  | chr9 | 100227071 | 100227183 |
| SMARCA3 | chr3 | 148763800 | 148763912 | TDRD7  | chr9 | 100227172 | 100227276 |
| SMARCA3 | chr3 | 148763901 | 148764023 | TDRD7  | chr9 | 100227241 | 100227318 |
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| SMARCA3 | chr3 | 148777377 | 148777489 | TDRD7  | chr9 | 100245098 | 100245182 |
| SMARCA3 | chr3 | 148777505 | 148777573 | TDRD7  | chr9 | 100245171 | 100245250 |
| SMARCA3 | chr3 | 148777562 | 148777680 | TDRD7  | chr9 | 100245239 | 100245359 |
| SMARCA3 | chr3 | 148778374 | 148778492 | TDRD7  | chr9 | 100245348 | 100245465 |
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| SMARCA3 | chr3 | 148781160 | 148781258 | TDRD7  | chr9 | 100249500 | 100249624 |
| SMARCA3 | chr3 | 148781247 | 148781361 | TDRD7  | chr9 | 100257908 | 100258027 |
| SMARCA3 | chr3 | 148782493 | 148782606 | TDRD7  | chr9 | 100258015 | 100258127 |
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| SMARCA3 | chr3 | 148785923 | 148786043 | THSD7B | chr2 | 137748419 | 137748544 |
| SMARCA3 | chr3 | 148786032 | 148786136 | THSD7B | chr2 | 137813954 | 137814075 |
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| SMARCA3 | chr3 | 148789314 | 148789425 | THSD7B | chr2 | 137814304 | 137814416 |
| SMARCA3 | chr3 | 148789407 | 148789521 | THSD7B | chr2 | 137814405 | 137814525 |
| SMARCA3 | chr3 | 148790930 | 148791007 | THSD7B | chr2 | 137814515 | 137814594 |
| SMARCA3 | chr3 | 148790969 | 148791082 | THSD7B | chr2 | 137814583 | 137814658 |
| SMARCA3 | chr3 | 148791072 | 148791171 | THSD7B | chr2 | 137814647 | 137814762 |
| SMARCA3 | chr3 | 148791912 | 148792032 | THSD7B | chr2 | 137814751 | 137814867 |



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| SMARCA3 | chr3  | 148793570 | 148793692 | THSD7B | chr2 | 137852578 | 137852701 |
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| SMARCA3 | chr3  | 148802512 | 148802623 | THSD7B | chr2 | 137917850 | 137917960 |
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| SMARCA3 | chr3  | 148804051 | 148804183 | THSD7B | chr2 | 137928352 | 137928469 |
| SMARCA4 | chr19 | 11094701  | 11094824  | THSD7B | chr2 | 137928458 | 137928537 |
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| SMARCA4 | chr19 | 11095028  | 11095119  | THSD7B | chr2 | 137988689 | 137988771 |
| SMARCA4 | chr19 | 11095870  | 11095990  | THSD7B | chr2 | 137990390 | 137990520 |
| SMARCA4 | chr19 | 11095972  | 11096098  | THSD7B | chr2 | 137990509 | 137990632 |
| SMARCA4 | chr19 | 11096090  | 11096167  | THSD7B | chr2 | 137990621 | 137990714 |
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| SMARCA4 | chr19 | 11097039  | 11097167  | THSD7B | chr2 | 138030072 | 138030197 |
| SMARCA4 | chr19 | 11097169  | 11097291  | THSD7B | chr2 | 138030186 | 138030285 |
| SMARCA4 | chr19 | 11097274  | 11097389  | THSD7B | chr2 | 138033456 | 138033533 |
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| SMARCA4 | chr19 | 11097701  | 11097786  | THSD7B | chr2 | 138163200 | 138163287 |
| SMARCA4 | chr19 | 11098170  | 11098306  | THSD7B | chr2 | 138163276 | 138163392 |
| SMARCA4 | chr19 | 11098528  | 11098657  | THSD7B | chr2 | 138169139 | 138169257 |
| SMARCA4 | chr19 | 11099892  | 11100010  | THSD7B | chr2 | 138169246 | 138169374 |
| SMARCA4 | chr19 | 11099971  | 11100101  | THSD7B | chr2 | 138169362 | 138169453 |
| SMARCA4 | chr19 | 11100089  | 11100177  | THSD7B | chr2 | 138208358 | 138208449 |
| SMARCA4 | chr19 | 11101749  | 11101880  | THSD7B | chr2 | 138208438 | 138208562 |
| SMARCA4 | chr19 | 11101824  | 11101957  | THSD7B | chr2 | 138208551 | 138208659 |
| SMARCA4 | chr19 | 11101951  | 11102071  | THSD7B | chr2 | 138320702 | 138320823 |
| SMARCA4 | chr19 | 11105426  | 11105507  | THSD7B | chr2 | 138320812 | 138320924 |
| SMARCA4 | chr19 | 11105496  | 11105626  | THSD7B | chr2 | 138320913 | 138320988 |
| SMARCA4 | chr19 | 11105589  | 11105705  | THSD7B | chr2 | 138329871 | 138329982 |
| SMARCA4 | chr19 | 11105694  | 11105780  | THSD7B | chr2 | 138329974 | 138330078 |
| SMARCA4 | chr19 | 11106750  | 11106874  | THSD7B | chr2 | 138330067 | 138330140 |
| SMARCA4 | chr19 | 11106854  | 11106947  | THSD7B | chr2 | 138373722 | 138373844 |
| SMARCA4 | chr19 | 11106935  | 11107041  | THSD7B | chr2 | 138373830 | 138373913 |
| SMARCA4 | chr19 | 11107117  | 11107251  | THSD7B | chr2 | 138375933 | 138376059 |
| SMARCA4 | chr19 | 11107242  | 11107319  | THSD7B | chr2 | 138376045 | 138376119 |

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| SMARCA4 | chr19 | 11113729 | 11113836 | THSD7B | chr2 | 138378189 | 138378307 |
| SMARCA4 | chr19 | 11113788 | 11113911 | THSD7B | chr2 | 138399994 | 138400070 |
| SMARCA4 | chr19 | 11113928 | 11114007 | THSD7B | chr2 | 138400059 | 138400179 |
| SMARCA4 | chr19 | 11113996 | 11114123 | THSD7B | chr2 | 138400145 | 138400232 |
| SMARCA4 | chr19 | 11118506 | 11118629 | THSD7B | chr2 | 138412961 | 138413085 |
| SMARCA4 | chr19 | 11118565 | 11118661 | THSD7B | chr2 | 138413073 | 138413196 |
| SMARCA4 | chr19 | 11120966 | 11121071 | THSD7B | chr2 | 138413182 | 138413283 |
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| SMARCA4 | chr19 | 11123751 | 11123838 | THSD7B | chr2 | 138417220 | 138417329 |
| SMARCA4 | chr19 | 11129509 | 11129603 | THSD7B | chr2 | 138420935 | 138421053 |
| SMARCA4 | chr19 | 11129592 | 11129712 | THSD7B | chr2 | 138421045 | 138421166 |
| SMARCA4 | chr19 | 11129701 | 11129785 | THSD7B | chr2 | 138425307 | 138425410 |
| SMARCA4 | chr19 | 11130103 | 11130232 | THSD7B | chr2 | 138425401 | 138425487 |
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| SMARCA4 | chr19 | 11130328 | 11130457 | TSC1   | chr9 | 135771531 | 135771657 |
| SMARCA4 | chr19 | 11132339 | 11132428 | TSC1   | chr9 | 135771646 | 135771773 |
| SMARCA4 | chr19 | 11132417 | 11132526 | TSC1   | chr9 | 135771764 | 135771861 |
| SMARCA4 | chr19 | 11132490 | 11132598 | TSC1   | chr9 | 135771851 | 135771977 |
| SMARCA4 | chr19 | 11132586 | 11132693 | TSC1   | chr9 | 135771943 | 135772072 |
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| SMARCA4 | chr19 | 11135093 | 11135192 | TSC1   | chr9 | 135772826 | 135772954 |
| SMARCA4 | chr19 | 11135975 | 11136108 | TSC1   | chr9 | 135772943 | 135773044 |
| SMARCA4 | chr19 | 11136089 | 11136220 | TSC1   | chr9 | 135776005 | 135776123 |
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| SMARCA4 | chr19 | 11138396 | 11138501 | TSC1   | chr9 | 135777880 | 135778005 |
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| SMARCA4 | chr19 | 11138563 | 11138681 | TSC1   | chr9 | 135778080 | 135778184 |
| SMARCA4 | chr19 | 11141344 | 11141463 | TSC1   | chr9 | 135778995 | 135779116 |
| SMARCA4 | chr19 | 11141452 | 11141534 | TSC1   | chr9 | 135779051 | 135779140 |
| SMARCA4 | chr19 | 11141523 | 11141619 | TSC1   | chr9 | 135779738 | 135779858 |

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| SMARCA4 | chr19 | 11170321 | 11170443 | TSC1 | chr9  | 135801017 | 135801137 |
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| SMARCA4 | chr19 | 11113709 | 11113836 | TSC2 | chr16 | 2113055 | 2113185 |
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| SMARCA4 | chr19 | 11134996 | 11135096 | TSC2 | chr16 | 2124094 | 2124209 |
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