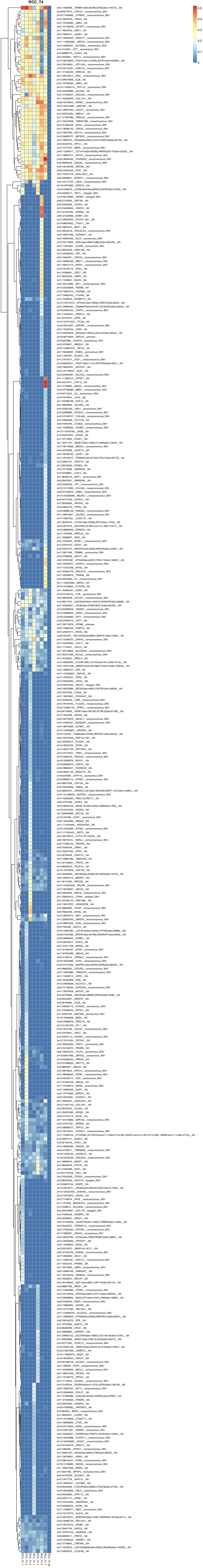


RCC\_T4



chr3:11926589\_\_TAMM41(dist=38196),SYNZ2(dist=119273)\_\_\_NA  
chr5:64077814\_\_CWC27\_\_nonsynonymous\_SNV  
chr19:17449895\_\_GTPBP3\_\_nonsynonymous\_SNV  
chrX:78616750\_\_ITM2A\_\_NA  
chr2:170783960\_\_UBR3\_\_NA  
chrX:127185256\_\_ACTRT1\_\_synonymous\_SNV  
chr1:19553750\_\_EMC1\_\_NA  
chr2:73646191\_\_ALMS1\_\_NA  
chr17:76445555\_\_DNAH17\_\_nonsynonymous\_SNV  
chr11:119029365\_\_ABCG4\_\_nonsynonymous\_SNV  
chr15:45564521\_\_SLC28A2\_\_synonymous\_SNV  
chr4:3134581\_\_HTT\_\_synonymous\_SNV  
chrX:86868775\_\_KLHL4\_\_NA  
chr5:7520902\_\_ADCY2\_\_nonsynonymous\_SNV  
chr14:36276620\_\_FOXK1(dist=212295),SSTR1(dist=400584)\_\_\_NA  
chr3:194149631\_\_ATP13A3\_\_nonsynonymous\_SNV  
chr10:50121651\_\_LRRC18\_\_nonsynonymous\_SNV  
chr1:171492320\_\_PRRC2C\_\_NA  
chr1:166102617\_\_RIN1\_\_nonsynonymous\_SNV  
chr2:68618859\_\_IL26\_\_NA  
chr2:170789363\_\_UBR3\_\_NA  
chr13:113508710\_\_ATP11A\_\_nonsynonymous\_SNV  
chr2:220499988\_\_SLC4A3\_\_NA  
chr9:131029537\_\_GOLGA2\_\_nonsynonymous\_SNV  
chr1:103462876\_\_COL11A1\_\_NA  
chr22:42793944\_\_NFAM1\_\_nonsynonymous\_SNV  
chr10:105154067\_\_MIR1307\_\_NA  
chr2:128937363\_\_UGGT1\_\_synonymous\_SNV  
chr2:203972282\_\_NBEAL1\_\_NA  
chr1:171491366\_\_PRRC2C\_\_nonsynonymous\_SNV  
chr1:185342828\_\_TMEM126B\_\_nonsynonymous\_SNV  
chr15:51984426\_\_SCG3\_\_nonsynonymous\_SNV  
chr17:198556130\_\_TOP2A\_\_nonsynonymous\_SNV  
chr2:10807394\_\_NOL10\_\_nonsynonymous\_SNV  
chr12:95867977\_\_METAP2\_\_nonsynonymous\_SNV  
chr2:10987670\_\_PDI4(dist=9567),LOC101929733(dist=30723)\_\_\_NA  
chr4:54324753\_\_FIP1L1\_\_NA  
chr12:7277307\_\_RBP5\_\_nonsynonymous\_SNV  
chr21:15284071\_\_C21orf15(dist=63386),ANKRD20A11P(dist=32025)\_\_\_NA  
chr17:38857517\_\_KRT24\_\_nonsynonymous\_SNV  
chr22:36900392\_\_FOXRED2\_\_nonsynonymous\_SNV  
chr6:38883039\_\_DNAH8\_\_nonsynonymous\_SNV  
chr8:146016768\_\_ZNF250\_\_NA  
chr20:44053232\_\_PIGT\_\_NA  
chr3:174974176\_\_NAALADL2\_\_NA  
chr6:83849801\_\_DOPEY1\_\_nonsynonymous\_SNV  
chr3:197712734\_\_LMLN\_\_nonsynonymous\_SNV  
chr19:37914682\_\_ZNF570\_\_NA  
chr2:91963275\_\_LOC654342(dist=88300),GGT8P(dist=27093)\_\_\_NA  
chr9:32635217\_\_TAF1L\_\_stopgain\_SNV  
chr16:90130083\_\_PRDM7\_\_stopgain\_SNV  
chr6:27418955\_\_ZNF184\_\_NA  
chr8:22463805\_\_CCAR2\_\_NA  
chr15:54008953\_\_WDR72\_\_NA  
chr1:24191582\_\_WDR64\_\_NA  
chr8:121528096\_\_MTBP\_\_NA  
chr12:29639352\_\_OVCH1-AS1\_\_NA  
chr15:68624822\_\_ITGA11\_\_NA  
chr5:70857973\_\_BDP1\_\_NA  
chrX:49040216\_\_PRCKLE3\_\_nonsynonymous\_SNV  
chr5:140537766\_\_PCDH817\_\_NA  
chr15:159834495\_\_SLU7\_\_synonymous\_SNV  
chr10:54173064\_\_DKK1(dist=95647),MBL2(dist=352076)\_\_\_NA  
chr2:113074061\_\_ZC3H6\_\_synonymous\_SNV  
chr2:29234376\_\_FAM179A\_\_NA  
chr13:32836420\_\_FRY\_\_NA  
chr5:19483481\_\_CDH18\_\_nonsynonymous\_SNV  
chr3:130884328\_\_NEK11\_\_nonsynonymous\_SNV  
chr1:158612715\_\_SPTA1\_\_nonsynonymous\_SNV  
chr15:34109172\_\_RYR3\_\_NA  
chr1:91985681\_\_CDC7\_\_NA  
chr17:38476030\_\_AMPH\_\_NA  
chr11:1028841\_\_MUC8\_\_NA  
chr2:152319585\_\_RIF1\_\_nonsynonymous\_SNV  
chr13:33332609\_\_PDS5B\_\_NA  
chr10:18807913\_\_CACNB2\_\_NA  
chr7:134852443\_\_C7orf49\_\_NA  
chr17:4448523\_\_MYBBP1A\_\_NA  
chr10:134137572\_\_STK32C(dist=16095),LRRC27(dist=8042)\_\_\_NA  
chr3:129895463\_\_FAM86HP(dist=65187),COL6A4P2(dist=36200)\_\_\_NA  
chr19:54649720\_\_CNOT3\_\_nonsynonymous\_SNV  
chr4:119239401\_\_PRSS12\_\_NA  
chr1:53727672\_\_LRP8\_\_NA  
chr10:134721923\_\_TTC40\_\_NA  
chr16:29913001\_\_ASPHD1\_\_nonsynonymous\_SNV  
chr3:119246742\_\_CD80\_\_NA  
chr19:40043816\_\_EID2(dist=12978),LGALS13(dist=49353)\_\_\_NA  
chr19:58718494\_\_ZNF274\_\_unknown  
chr16:603366\_\_CAPN15\_\_synonymous\_SNV  
chr3:47038421\_\_NBEAL2\_\_NA  
chr10:123987270\_\_TACC2\_\_NA  
chr1:156339091\_\_RHBG\_\_synonymous\_SNV  
chr3:11067597\_\_SLC6A1\_\_NA  
chr1:21551817\_\_ECE1\_\_nonsynonymous\_SNV  
chr16:86559231\_\_FOXF1(dist=11161),MTHFS(Dist=4551)\_\_\_NA  
chr9:139407601\_\_NOTCH1\_\_NA  
chr14:101198327\_\_DLK1\_\_NA  
chr2:220494991\_\_SLC4A3\_\_nonsynonymous\_SNV  
chr1:11192310\_\_ATP5F1\_\_NA  
chr5:44310471\_\_FGF10\_\_NA  
chr7:77756605\_\_MAGI2\_\_nonsynonymous\_SNV  
chr18:47796088\_\_MBD1\_\_nonsynonymous\_SNV  
chr19:6712322\_\_C3\_\_synonymous\_SNV  
chr3:41979534\_\_ULK4\_\_NA  
chr1:204086189\_\_SOX13\_\_NA  
chr3:48692864\_\_CELSR3\_\_NA  
chrX:47061559\_\_UBA1\_\_synonymous\_SNV  
chr3:5258889\_\_NT5DC2\_\_nonsynonymous\_SNV  
chrX:107435727\_\_COL4A6\_\_nonsynonymous\_SNV  
chrX:24605480\_\_PCYT1B\_\_NA  
chr6:41904376\_\_CCND3\_\_nonsynonymous\_SNV  
chr5:175998265\_\_CDHR2\_\_nonsynonymous\_SNV  
chr13:114535756\_\_GAS2\_\_NA  
chr2:242437607\_\_STK25\_\_NA  
chr1:15714555\_\_FHAD1\_\_NA  
chr1:16317191\_\_ZBTB17(dist=14564),C1orf64(dist=13540)\_\_\_NA  
chr17:3819589\_\_MED24\_\_nonsynonymous\_SNV  
chr3:42793388\_\_CCDC13\_\_NA  
chr15:15676180\_\_LEKR1\_\_NA  
chr11:49142017\_\_TRIM64C(dist=61353),FOLH1(dist=26170)\_\_\_NA  
chr3:32804157\_\_CNOT10\_\_NA  
chr1:55518290\_\_PCSK9\_\_NA  
chr3:15719585\_\_ANKRD28\_\_NA  
chr3:42448801\_\_LVZL4\_\_NA  
chr1:38305774\_\_MTF1\_\_synonymous\_SNV  
chr3:55407641\_\_ANKRD55\_\_NA  
chr3:53263329\_\_TKT\_\_nonsynonymous\_SNV  
chr19:10116383\_\_COL5A3\_\_nonsynonymous\_SNV  
chr22:51063673\_\_ARSA\_\_nonsynonymous\_SNV  
chr10:105350089\_\_NEURL1\_\_nonsynonymous\_SNV  
chr6:44151545\_\_CAPN11\_\_NA  
chr1:26309006\_\_PAFH2\_\_NA  
chr6:33653133\_\_ITPR3\_\_NA  
chr20:56886130\_\_RAB22A\_\_nonsynonymous\_SNV  
chr1:109810591\_\_CELSR2\_\_nonsynonymous\_SNV  
chr17:79637251\_\_CCDC137\_\_NA  
chr7:25252375\_\_C7orf31(dist=32558),NPVF(dist=11816)\_\_\_NA  
chr19:3977816\_\_EFED2(NM\_001961:exon13:c.2067+1G>T)\_\_\_NA  
chr19:38882839\_\_SPRED3\_\_NA  
chr1:1972066\_\_MRPL23\_\_NA  
chr1:15956657\_\_DDI2\_\_NA  
chr2:11053249\_\_KCNF1\_\_nonsynonymous\_SNV  
chr7:23761073\_\_STK31\_\_NA  
chr6:72091370\_\_MIR30C2(dist=4636),MIR30A(dist=21884)\_\_\_NA  
chr1:8671408\_\_TRIM66\_\_synonymous\_SNV  
chr2:27596008\_\_SNX17\_\_NA  
chr5:107061887\_\_EFNA5(dist=55291),FBXL17(dist=132847)\_\_\_NA  
chr16:43095757\_\_HIVEP2\_\_nonsynonymous\_SNV  
chr17:10427256\_\_MYH2\_\_NA  
chr2:183584776\_\_DNAJC10\_\_nonsynonymous\_SNV  
chr11:55038079\_\_TRIM48\_\_NA  
chr5:40292666\_\_C7\_\_nonsynonymous\_SNV  
chr11:102233563\_\_BIRC2\_\_NA  
chr19:15728964\_\_CYP4F8\_\_NA  
chr1:154600401\_\_ADAR\_\_NA  
chr5:35954509\_\_UGT3A1\_\_nonsynonymous\_SNV  
chr2:96617203\_\_LINC00342(dist=124474),FAHD2C(P-dist=59096)\_\_\_NA  
chr7:100550651\_\_ACHE(dist=57059),MUC12(dist=62253)\_\_\_NA  
chr10:40889824\_\_HIPK4\_\_nonsynonymous\_SNV  
chr20:32264950\_\_E2F1\_\_nonsynonymous\_SNV  
chr20:24940415\_\_CST7\_\_NA  
chr7:150713878\_\_ATG9B\_\_unknown  
chr9:115969700\_\_FKBP15\_\_NA  
chr14:24647211\_\_REC8\_\_NA  
chr20:453076\_\_TBC1D20(dist=9889),CSNK2A1(dist=10262)\_\_\_NA  
chr3:115395370\_\_GAP43\_\_nonsynonymous\_SNV  
chr17:53045592\_\_COX11\_\_NA  
chr3:11744551\_\_VGLL4\_\_NA  
chr11:65146906\_\_SLC25A45\_\_nonsynonymous\_SNV  
chr3:183210456\_\_KLHL6\_\_nonsynonymous\_SNV  
chr1:24782922\_\_NIPAL3\_\_NA  
chr3:129290350\_\_PLXND1(NM\_015193:exon18:c.3336+2T>G)\_\_\_NA  
chrX:145701358\_\_MIR891A(dist=591968),CXorf51A(dist=189944)\_\_\_NA  
chrX:148582701\_\_IDS\_\_NA  
chr1:1123596637\_\_ZNF202\_\_NA  
chr1:18322531\_\_HPS5\_\_NA  
chr12:59284090\_\_LRIG3\_\_NA  
chr19:45873435\_\_ERCC2\_\_stopgain\_SNV  
chr6:108325989\_\_SEC63(dist=46507),OSTM1(dist=36624)\_\_\_NA  
chr3:37574760\_\_ITGA9\_\_NA  
chr11:16810891\_\_PLEKH47\_\_NA  
chr12:6495548\_\_LTBR\_\_nonsynonymous\_SNV  
chr14:76105763\_\_FLVCR2\_\_nonsynonymous\_SNV  
chr10:103670125\_\_PPRC1\_\_nonsynonymous\_SNV  
chr5:156718645\_\_GPBP1(dist=158139),ACTBL2(dist=57198)\_\_\_NA  
chr17:1581999\_\_PRPF8\_\_NA  
chr6:109770879\_\_MICAL1\_\_nonsynonymous\_SNV  
chr21:47693321\_\_MCM3AP\_\_nonsynonymous\_SNV  
chr9:138515826\_\_CLT6D1\_\_NA  
chr12:123466637\_\_ARL6IP4\_\_NA  
chr10:132183\_\_TUBB8(dist=37005),ZMYND11(dist=48222)\_\_\_NA  
chr8:125015626\_\_FERL16-AS1\_\_NA  
chr2:160832517\_\_PLA2R1\_\_NA  
chr13:32527109\_\_EEF1DP3\_\_NA  
chr14:24710921\_\_TINF2\_\_nonsynonymous\_SNV  
chr10:5948194\_\_FBXO18\_\_nonsynonymous\_SNV  
chr16:15838979\_\_MYH11\_\_NA  
chr16:66949919\_\_CDH16\_\_NA  
chr22:36900531\_\_FOXRED2\_\_NA  
chr20:48301103\_\_B4GALT5\_\_NA  
chr16:847696\_\_CHTF18\_\_synonymous\_SNV  
chr16:89650114\_\_CPNE7\_\_nonsynonymous\_SNV  
chr4:56877936\_\_CEP135\_\_NA  
chr5:15637606\_\_TIMD4\_\_NA  
chr5:92604181\_\_ARRDC3-AS1(dist=1887649),NR2F1-AS1(dist=140881)\_\_\_NA  
chr10:101458548\_\_ENTPD7\_\_nonsynonymous\_SNV  
chr7:102582985\_\_FBXL13,LRRC17\_\_NA  
chr6:43747468\_\_VEGFA\_\_NA  
chr19:49545739\_\_SNAR-G1(dist=5335),CGB5(dist=1363)\_\_\_NA  
chr18:34191830\_\_FHOD3\_\_NA  
chr1:200945899\_\_KIF21B\_\_NA  
chr16:349499\_\_AXIN1\_\_synonymous\_SNV  
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chr11:110479555\_\_ARHGAP20\_\_NA  
chr19:10335286\_\_S1PR2\_\_nonsynonymous\_SNV  
chr11:117053421\_\_SIDT2\_\_NA  
chr2:160734672\_\_LV75,LY75-CD302\_\_NA  
chr6:138753141\_\_NHSL1\_\_nonsynonymous\_SNV  
chr9:117666124\_\_TNFSF8\_\_NA  
chr9:72046184\_\_APBA1\_\_NA  
chr2:162877042\_\_DPP4\_\_NA  
chr3:32795429\_\_CNOT10\_\_NA  
chr17:26687484\_\_TMEM199\_\_NA  
chr1:201330601\_\_TNNT2\_\_NA  
chr2:86259316\_\_POLR1A\_\_NA  
chr18:13072676\_\_CEP192\_\_NA  
chrX:48306945\_\_SSXB(dist=35490),SLC38A5(dist=10075)\_\_\_NA  
chr21:40597215\_\_BRWD1\_\_NA  
chr1:45101360\_\_RNFZ20\_\_NA  
chr10:1203054426\_\_PRLHR\_\_nonsynonymous\_SNV  
chr17:48746657\_\_ABCC3\_\_NA  
chr2:32626418\_\_BIRC6\_\_nonsynonymous\_SNV  
chr1:226924415\_\_ITPKB\_\_stopgain\_SNV  
chr4:187084133\_\_FAM149A\_\_NA  
chrX:130218757\_\_ARHGAP36\_\_NA  
chr3:49869395\_\_TRAI9\_\_nonsynonymous\_SNV  
chr6:76623708\_\_MYO6\_\_NA  
chr10:28030414\_\_MKX\_\_nonsynonymous\_SNV  
chr1:228055330\_\_OBSCN\_\_nonsynonymous\_SNV  
chr19:38876326\_\_GDN\_\_nonsynonymous\_SNV  
chr5:7782336\_\_ADCY2\_\_NA  
chr19:15687363\_\_CYP4F22(dist=24235),CYP4F8(dist=38666)\_\_\_NA  
chr20:31937882\_\_BPIFB1(dist=40198),CDK5RAP1(dist=8763)\_\_\_NA  
chr22:29669942\_\_EWSR1\_\_NA  
chr15:90022517\_\_RHCG\_\_NA  
chr2:101611798\_\_NPKS2\_\_NA  
chr1:61548187\_\_MYRF\_\_synonymous\_SNV  
chr17:67004089\_\_ABC9\_\_NA  
chr6:41162514\_\_TREM12\_\_nonsynonymous\_SNV  
chr22:312924889\_\_SYN3\_\_nonsynonymous\_SNV  
chr20:314743256\_\_MAPRE1(dist=35045),SUN5(dist=98325)\_\_\_NA  
chr3:48680265\_\_CELSR3\_\_nonsynonymous\_SNV  
chr17:72832686\_\_TMEM104\_\_nonsynonymous\_SNV  
chr1:114508713\_\_HPEK1\_\_NA  
chr5:102364806\_\_PAM\_\_NA  
chr12:20905508\_\_SLCOC1\_\_NA  
chr9:131185200\_\_CERCAM\_\_nonsynonymous\_SNV  
chr11:76918539\_\_MYO7A\_\_NA  
chr3:44750889\_\_ZNF35(dist=48606),ZNF502(dist=3246)\_\_\_NA  
chr6:84324657\_\_SNAP91\_\_NA  
chr9:36169464\_\_CCIN\_\_NA  
chr1:208390173\_\_PLXNA2\_\_synonymous\_SNV  
chr7:143095544\_\_EPHA1\_\_NA  
chr1:27681945\_\_MAP3K6\_\_synonymous\_SNV  
chr19:15264958\_\_BRD4\_\_NA  
chr22:50686076\_\_HDAC10\_\_NA  
chr14:51081300\_\_ATL1\_\_NA  
chr9:77614785\_\_C9orf41\_\_nonsynonymous\_SNV  
chr2:37579831\_\_QPCT\_\_NA  
chrX:53575113\_\_HUWE1\_\_nonsynonymous\_SNV  
chr2:160053262\_\_TANC1\_\_synonymous\_SNV  
chr14:52164812\_\_FRMD6\_\_NA  
chr6:158923575\_\_ZNF1P4\_\_synonymous\_SNV  
chr18:56651688\_\_ZNF532\_\_synonymous\_SNV  
chr19:57086752\_\_PRRG2\_\_NA  
chr19:57986520\_\_ZNF772\_\_NA  
chr3:8669357\_\_SSUH2\_\_NA  
chr5:16675004\_\_MYO10\_\_nonsynonymous\_SNV  
chr2:198266834\_\_SFB1\_\_nonsynonymous\_SNV  
chr15:50535177\_\_HDC\_\_synonymous\_SNV  
chr17:67004156\_\_ABC9A\_\_NA  
chr11:47300610\_\_MADD\_\_synonymous\_SNV  
chr21:34893325\_\_GART\_\_NA  
chr21:37734382\_\_MORC3\_\_NA  
chr22:40043951\_\_CACNA11\_\_NA  
chr1:16946407\_\_CROCCP2\_\_NA  
chr10:71657413\_\_COL13A1\_\_NA  
chr4:56322254\_\_CLOCK\_\_NA  
chr1:204970285\_\_NFASC\_\_NA  
chr22:41919113\_\_ACO2\_\_NA  
chr1:16718884\_\_GPR152\_\_nonsynonymous\_SNV  
chr5:147477351\_\_SPINK5\_\_NA  
chr12:88586277\_\_TMTC3\_\_NA  
chr3:126135231\_\_CCDC37\_\_nonsynonymous\_SNV  
chr11:70269103\_\_CTTN(NM\_001184740:exon11:c.846+2T>G,NM\_005231:exon12:c.957+2T>G,NM\_138865:exon11:c.846+2T>G)\_\_\_NA  
chr9:35561417\_\_CTC2\_\_NA  
chr5:52193418\_\_ITGA1\_\_NA  
chr14:45628285\_\_FANCM\_\_NA  
chr6:44108011\_\_TMEM63B\_\_nonsynonymous\_SNV  
chr19:13338195\_\_CAGNA1A\_\_NA  
chr19:52033038\_\_SIGLEC6\_\_nonsynonymous\_SNV  
chr1:39889619\_\_MACF1\_\_NA  
chr3:46940576\_\_PTHR\_\_NA  
chr1:21564568\_\_ECE1\_\_NA  
chr18:51797526\_\_POLJ\_\_NA  
chrX:70320535\_\_FOXO4\_\_nonsynonymous\_SNV  
chr2:86267639\_\_POLR1A\_\_stopgain\_SNV  
chr16:69970104\_\_WWP2\_\_NA  
chr14:22616277\_\_OR4E2(dist=48203),DAD1(dist=417536)\_\_\_NA  
chr14:105420709\_\_AHNAK2\_\_nonsynonymous\_SNV  
chr10:73572670\_\_CDH23\_\_NA  
chr2:71740919\_\_DYSF\_\_nonsynonymous\_SNV  
chr11:373789\_\_B4GALNT4\_\_nonsynonymous\_SNV  
chr7:5338913\_\_SLC29A4\_\_nonsynonymous\_SNV  
chr2:220478891\_\_STK11IP\_\_stopgain\_SNV  
chr4:74464329\_\_RASSF6\_\_NA  
chr3:52396552\_\_DNAH1\_\_NA  
chr9:141032909\_\_CACNA1B(dist=13833),TUBBP5(dist=11656)\_\_\_NA  
chr12:6442672\_\_TNFRSF1A\_\_nonsynonymous\_SNV  
chr5:177642392\_\_PHYK1\_\_nonsynonymous\_SNV  
chr17:7696391\_\_DNAH2\_\_synonymous\_SNV  
chr6:100923789\_\_CCNC(dist=7099),PRDM13(dist=30861)\_\_\_NA  
chr13:25528094\_\_TPTF2P1\_\_NA  
chr9:116356840\_\_RGS3\_\_NA  
chr3:52018070\_\_ABHD14A-AC1\_\_NA  
chr9:101540700\_\_ANKS6\_\_nonsynonymous\_SNV  
chr1:1893005\_\_INGA1\_\_NA  
chr1:110561261\_\_AHCYL1\_\_nonsynonymous\_SNV  
chr11:1042193\_\_PRDM2\_\_NA  
chr19:19412655\_\_UBR4\_\_nonsynonymous\_SNV  
chr9:125863799\_\_RABGAP1\_\_NA  
chr1:156146378\_\_SEMA4A\_\_nonsynonymous\_SNV  
chr2:79363872\_\_REG1P\_\_NA  
chr4:164186944\_\_NAF1(dist=98871),NPY1R(dist=58173)\_\_\_NA  
chr2:66667788\_\_MEI51\_\_NA  
chr17:72933866\_\_OTOP2\_\_nonsynonymous\_SNV  
chr12:32138794\_\_PKP2(dist=89014),SYT10(dist=389554)\_\_\_NA  
chr12:5606853\_\_B4GALNT1(dist=1831),OS9(dist=18885)\_\_\_NA  
chr6:3739340\_\_RNF8\_\_nonsynonymous\_SNV  
chr5:179684802\_\_MAPK9\_\_NA  
chr17:157481380\_\_TBC1D21\_\_NA  
chr11:124946723\_\_SLC37A2\_\_nonsynonymous\_SNV  
chr11:18894823\_\_PTPN5(dist=80555),MRGPRX1(dist=60537)\_\_\_NA  
chr6:159192270\_\_EZR\_\_NA  
chr1:18703590\_\_IGSF21\_\_NA  
chr3:66449496\_\_LRIG1\_\_NA  
chrX:48858650\_\_GRIPAP1\_\_NA  
chr4:246842132\_\_SCCPDH(dist=10692),LOC149134(dist=10787)\_\_\_NA  
chr1:48652880\_\_SKINTL1(dist=4780),SLC5A9(dist=35477)\_\_\_NA  
chr3:42777392\_\_CCDC13\_\_nonsynonymous\_SNV  
chr19:32302138\_\_TDRD12(dist=20424),SLC7A9(dist=19281)\_\_\_NA  
chr22:41621998\_\_L3MBT12\_\_NA  
chr12:118628274\_\_ENO4\_\_NA  
chr12:48180354\_\_HDAC7\_\_NA  
chr16:67289778\_\_SLC9A5\_\_nonsynonymous\_SNV  
chr11:399036\_\_PKP3\_\_nonsynonymous\_SNV  
chr11:62459855\_\_BSC1\_\_nonsynonymous\_SNV  
chr7:10652436\_\_PK3CG\_\_NA  
chr11:70189770\_\_PPF1A1\_\_NA  
chr17:7127832\_\_ACADVL\_\_nonsynonymous\_SNV  
chr3:74185344\_\_PDRN3(dist=51127),CNTN3(dist=126378)\_\_\_NA  
chr9:116857401\_\_KIF12\_\_nonsynonymous\_SNV  
chr10:30984824\_\_SVILP1\_\_NA  
chr1:157895066\_\_CDS5(dist=83432),KIRREL(dist=67997)\_\_\_NA  
chr7:141490063\_\_TAS2R5\_\_NA  
chr8:39537805\_\_ADAM18\_\_NA  
chr20:47586863\_\_ARFGF2\_\_NA  
chr5:864652\_\_BRD9\_\_nonsynonymous\_SNV  
chr1:36202031\_\_CLSPN\_\_NA  
chr10:15138849\_\_C10orf111\_\_NA  
chr4:156850652\_\_CTSO\_\_NA  
chr16:23718330\_\_ERN2\_\_nonsynonymous\_SNV  
chr15:2811661\_\_MKRN3\_\_nonsynonymous\_SNV  
chr14:104495241\_\_CENPE(dist=375675),TACR3(dist=15384)\_\_\_NA  
chr19:16032868\_\_CYP4F11\_\_nonsynonymous\_SNV  
chr12:125455897\_\_DHX37\_\_nonsynonymous\_SNV  
chr10:81923076\_\_ANXA11\_\_NA  
chr4:1980526\_\_WHSC1\_\_nonsynonymous\_SNV  
chr1:84681870\_\_GNG5(dist=9608),CTBS(dist=36934)\_\_\_NA  
chr7:156756801\_\_NOM1\_\_NA  
chr10:88418441\_\_SNP4\_\_nonsynonymous\_SNV  
chr16:12136862\_\_SNX29\_\_nonsynonymous\_SNV  
chr1:158817849\_\_MND4\_\_NA  
chr1:5937188\_\_NPHA4\_\_nonsynonymous\_SNV  
chr6:44197805\_\_SLC29A1\_\_NA  
chr3:13477778\_\_NUP210\_\_NA  
chr9:90432468\_\_CTSL3(dist=30669),CTSLP8(dist=27192)\_\_\_NA  
chr19:45303699\_\_CBLC\_\_synonymous\_SNV  
chr2:26540855\_\_GPR113\_\_NA  
chr10:52551131\_\_STAB1\_\_NA  
chr10:37443352\_\_ANKRD30A\_\_NA  
chr15:89383224\_\_ACAN\_\_NA  
chr11:15260571\_\_INSC\_\_synonymous\_SNV  
chr12:3417679\_\_ALG10\_\_NA  
chr14:95100751\_\_SERPINA3(dist=10361),SERPINA13P(dist=6311)\_\_\_NA  
chr22:30885728\_\_SEC14L4\_\_NA  
chr17:45734212\_\_KPNB1\_\_NA  
chr2:32481794\_\_NLRCA4\_\_NA  
chr2:197872732\_\_ANKRD4\_\_NA  
chr8:68995411\_\_PREX2\_\_NA  
chr16:7724605\_\_LRRFBP1\_\_NA  
chr2:7746805\_\_PRRT4\_\_NA  
chr1:142324243\_\_LOC100506082(dist=9360),OR52B4(dist=155250)\_\_\_NA  
chr1:52826579\_\_CC2D1B\_\_NA

RCC\_T4.6  
RCC\_T4.7  
RCC\_T4.8  
RCC\_T4.5  
RCC\_T4.4  
RCC\_T4.3  
RCC\_T4.2  
RCC\_T4.1