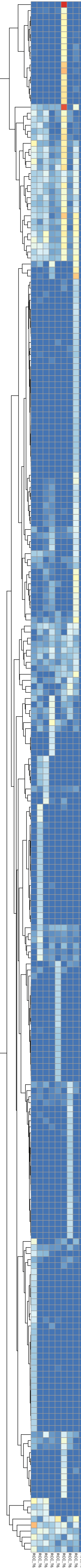


RCC\_T6



chr17:7579415\_\_TP53\_\_stopgain\_SNV  
chr21:22906779\_\_NCAM2\_\_NA  
chr9:32431681\_\_ACO1\_\_NA  
chr9:91994552\_\_SEMA4D\_\_NA  
chrX:102342761\_\_NXF3\_\_NA  
chr10:115922808\_\_C10orf118\_\_nonsynonymous\_SNV  
chrX:100143310\_\_NOX1(dist=13976),XKRX(dist=25121)\_\_NA  
chr14:23894889\_\_MYH7\_\_NA  
chr12:11081976\_\_PRH1-PRR4\_\_NA  
chr13:32981862\_\_N4BP2L1\_\_nonsynonymous\_SNV  
chr7:97361750\_\_TAC1\_\_NA  
chrX:26212006\_\_MAGEB6\_\_nonsynonymous\_SNV  
chr3:2908348\_\_CNTN4\_\_NA  
chr7:7410457\_\_COL28A1\_\_nonsynonymous\_SNV  
chr8:74859128\_\_TCEB1\_\_NA  
chr17:38936083\_\_KRT27\_\_nonsynonymous\_SNV  
chr8:36671740\_\_KCNU1\_\_nonsynonymous\_SNV  
chr8:55537447\_\_RP1\_\_nonsynonymous\_SNV  
chr2:227979234\_\_COL4A4\_\_NA  
chr9:371472\_\_DOCK8\_\_nonsynonymous\_SNV  
chr18:10795005\_\_PIEZO2\_\_NA  
chr1:54661352\_\_CYB5RL\_\_NA  
chr19:54783330\_\_LILRB2\_\_synonymous\_SNV  
chr6:129486791\_\_LAMA2\_\_nonsynonymous\_SNV  
chr1:228479690\_\_OBSCN\_\_synonymous\_SNV  
chr16:55527122\_\_MMP2\_\_synonymous\_SNV  
chr19:14779653\_\_EMR3\_\_synonymous\_SNV  
chr19:54732956\_\_LILRB3\_\_NA  
chr1:172417620\_\_C1orf105\_\_nonsynonymous\_SNV  
chr12:27109572\_\_FGFR10P2\_\_stopgain\_SNV  
chr12:6923885\_\_CD4\_\_NA  
chr2:175268948\_\_SCRN3\_\_nonsynonymous\_SNV  
chr11:100126461\_\_CNTN5\_\_NA  
chr17:67521072\_\_MAP2K6\_\_nonsynonymous\_SNV  
chr4:25019601\_\_LGI2\_\_NA  
chr17:26911153\_\_SPAG5\_\_NA  
chr15:44093954\_\_HYPK\_\_nonsynonymous\_SNV  
chr6:152783842\_\_SYNE1\_\_NA  
chr1:186122039\_\_MIR548F1\_\_NA  
chr20:20066207\_\_C20orf26\_\_NA  
chr2:97365500\_\_FER1L5\_\_NA  
chr19:39914875\_\_PLEKHG2\_\_synonymous\_SNV  
chr4:36130155\_\_ARAP2\_\_nonsynonymous\_SNV  
chr13:39585301\_\_PROSER1\_\_NA  
chr13:50466487\_\_CTAGE10P\_\_NA  
chr4:113379001\_\_ALPK1(dist=15237),NEUROG2(dist=55671)\_\_NA  
chr1:17666150\_\_PAD14\_\_NA  
chr8:41394689\_\_GINS4\_\_NA  
chr12:7362862\_\_PEX5\_\_NA  
chr17:73830160\_\_UNC13D\_\_nonsynonymous\_SNV  
chr12:133758663\_\_ZNF268\_\_NA  
chr19:18119585\_\_ARRDC2\_\_nonsynonymous\_SNV  
chr3:178947851\_\_PIK3CA\_\_nonsynonymous\_SNV  
chr3:48629681\_\_COL7A1\_\_nonsynonymous\_SNV  
chr12:118604580\_\_TAOK3\_\_NA  
chr3:48456222\_\_PLXNB1\_\_nonsynonymous\_SNV  
chr19:10893679\_\_DNM2\_\_synonymous\_SNV  
chr16:27145977\_\_C16orf82(dist=65490),KDM8(dist=68830)\_\_NA  
chr19:55543636\_\_GP6\_\_nonsynonymous\_SNV  
chr16:23767219\_\_CHP2\_\_nonsynonymous\_SNV  
chr8:100710288\_\_VPS13B\_\_NA  
chr2:130893698\_\_MED15P9\_\_NA  
chr20:30525301\_\_TTL9\_\_synonymous\_SNV  
chr17:37179751\_\_FBXO47(dist=56096),LRRC37A11P(dist=6408)\_\_NA  
chr12:121461709\_\_OASL\_\_NA  
chr17:35557469\_\_ACACA\_\_NA  
chr7:130927449\_\_MKLN1\_\_NA  
chr1:47075279\_\_MOB3C\_\_NA  
chr3:48626350\_\_COL7A1\_\_nonsynonymous\_SNV  
chr9:139820188\_\_TRAF2\_\_nonsynonymous\_SNV  
chr1:45973163\_\_MMACHC\_\_synonymous\_SNV  
chr20:62340396\_\_ZGPAT\_\_nonsynonymous\_SNV  
chr7:2962219\_\_CARD11\_\_NA  
chr9:136277903\_\_REXO4\_\_synonymous\_SNV  
chr12:53461901\_\_SPRYD3\_\_NA  
chr3:14518638\_\_SLC6A6\_\_NA  
chr21:33869153\_\_EVA1C\_\_NA  
chr3:127800235\_\_RUVBL1\_\_nonsynonymous\_SNV  
chr17:7406653\_\_POLR2A\_\_NA  
chr19:629437\_\_POLRMT\_\_NA  
chr2:230271926\_\_DNER\_\_NA  
chr12:110930893\_\_VPS29\_\_synonymous\_SNV  
chr12:57648851\_\_R3HDM2\_\_nonsynonymous\_SNV  
chr1:93656318\_\_CCDC18\_\_NA  
chr16:67974047\_\_LCAT\_\_synonymous\_SNV  
chr16:32618935\_\_LOC390705(dist=317633),TP53TG3B(dist=65914)\_\_NA  
chr2:73679901\_\_ALMS1\_\_nonsynonymous\_SNV  
chr19:18887973\_\_CRTC1\_\_NA  
chr1:64254935\_\_ROR1\_\_NA  
chr4:55953780\_\_KDR\_\_nonsynonymous\_SNV  
chr5:36226723\_\_NADK2\_\_NA  
chr16:57707240\_\_GPR97\_\_synonymous\_SNV  
chr17:26687484\_\_TMEM199\_\_NA  
chr4:190394944\_\_LINC01060(dist=871882),FRG1(dist=467030)\_\_NA  
chr16:19651391\_\_C16orf62\_\_nonsynonymous\_SNV  
chr1:7906470\_\_PER3(dist=1230),UTS2(dist=1202)\_\_NA  
chr4:88400748\_\_SPARCL1\_\_NA  
chr11:18637703\_\_SPTY2D1\_\_NA  
chrX:117043960\_\_KLHL13\_\_nonsynonymous\_SNV  
chr3:47164491\_\_SETD2\_\_stopgain\_SNV  
chr4:20482331\_\_SLIT2\_\_NA  
chr14:75137460\_\_AREL1\_\_NA  
chr8:141570623\_\_AGO2\_\_NA  
chr15:43903239\_\_STRC\_\_NA  
chr19:53091752\_\_ZNF701(dist=1325),ZNF137P(dist=8185)\_\_NA  
chr10:21875205\_\_MLLT10\_\_NA  
chr16:68026567\_\_DPEP2\_\_NA  
chr15:78189761\_\_RP11-307C19.3(dist=248180),LOC645752(dist=16798)\_\_NA  
chr20:60966224\_\_CABLES2\_\_NA  
chr4:128733852\_\_HSPA4L\_\_NA  
chr5:176915042\_\_PDLIM7\_\_NA  
chr7:2409387\_\_EIF3B\_\_NA  
chr7:157056479\_\_UBE3C\_\_NA  
chr10:17164760\_\_CUBN\_\_NA  
chr9:137713881\_\_LOC101448202\_\_NA  
chr6:126073266\_\_HEY2\_\_NA  
chr6:149274963\_\_UST\_\_NA  
chr4:69097157\_\_TMPRSS11B\_\_NA  
chr4:69097158\_\_TMPRSS11B\_\_NA  
chr3:154890512\_\_MME1\_\_NA  
chr2:189861055\_\_COL3A1\_\_NA  
chr3:47162095\_\_SETD2\_\_nonsynonymous\_SNV  
chr3:47162311\_\_SETD2\_\_nonsynonymous\_SNV  
chr1:116225218\_\_VANGL1\_\_NA  
chr3:47162092\_\_SETD2\_\_nonsynonymous\_SNV  
chr2:86292470\_\_POLR1A\_\_nonsynonymous\_SNV  
chr5:80639653\_\_ACOT12\_\_nonsynonymous\_SNV  
chr12:6677069\_\_NOP2\_\_nonsynonymous\_SNV  
chr1:55598230\_\_USP24\_\_synonymous\_SNV  
chr5:179137089\_\_CANX\_\_NA  
chr6:105300264\_\_HACE1\_\_NA  
chr12:14664116\_\_PLBD1\_\_NA  
chr17:41959853\_\_MPP2\_\_synonymous\_SNV  
chr9:95397609\_\_IPPK\_\_NA  
chr1:172425417\_\_C1orf105\_\_NA  
chr12:125450408\_\_DHX37\_\_NA  
chr22:24376443\_\_GSTT1\_\_nonsynonymous\_SNV  
chr13:44543585\_\_LACC1(dist=75517),LINC00284(dist=52886)\_\_NA  
chr16:81736341\_\_CMIP\_\_NA  
chr9:14041245\_\_LINC00583(dist=95639),NFIB(dist=40597)\_\_NA  
chr6:43109795\_\_PTK7\_\_nonsynonymous\_SNV  
chr7:99797096\_\_STAG3\_\_NA  
chr1:208383571\_\_PLXNA2\_\_NA  
chr19:49403983\_\_NUCB1\_\_NA  
chr1:167095004\_\_DUSP27\_\_NA  
chr2:136620395\_\_MCM6\_\_NA  
chr16:21387964\_\_SNX29P1\_\_NA  
chr1:147096724\_\_BCL9\_\_nonsynonymous\_SNV  
chr16:69973360\_\_WWP2\_\_NA  
chr17:60215007\_\_MED13(dist=72364),TBC1D3P2(dist=127060)\_\_NA  
chr8:27312121\_\_PTK2B\_\_nonsynonymous\_SNV  
chr12:51751263\_\_GALNT6\_\_NA  
chr14:21490143\_\_NDRG2\_\_NA  
chr18:13049956\_\_CEP192\_\_NA  
chr12:227222515\_\_CDC42BPA\_\_NA  
chr7:15427276\_\_AGMO\_\_NA  
chr4:152025273\_\_RPS3A\_\_NA  
chr11:67765161\_\_UNC93B1\_\_unknown  
chr11:67765163\_\_UNC93B1\_\_unknown  
chr2:15744485\_\_DDX1\_\_NA  
chr15:89805192\_\_FANCI\_\_NA  
chr19:56832681\_\_ZSCAN5A(dist=93022),ZNF542(dist=46787)\_\_NA  
chr7:95445906\_\_CYP3A43\_\_NA  
chr11:79001080\_\_ARRB1\_\_synonymous\_SNV  
chr14:73957868\_\_C14orf169\_\_unknown  
chr17:42452044\_\_ITGA2B\_\_nonsynonymous\_SNV  
chr12:57571324\_\_LRP1\_\_synonymous\_SNV  
chr15:85147579\_\_ZSCPAN2\_\_NA  
chr10:75552465\_\_ZSWIM8\_\_nonsynonymous\_SNV  
chr19:15341840\_\_EPHX3\_\_synonymous\_SNV  
chr2:74154098\_\_DGUOK\_\_nonsynonymous\_SNV  
chr14:78149634\_\_ALKBH1\_\_NA  
chr17:42853573\_\_ADAM11\_\_nonsynonymous\_SNV  
chr19:46338321\_\_SYMPK\_\_NA  
chr2:75108787\_\_HK2\_\_NA  
chrX:154156768\_\_F8\_\_NA  
chr14:23373310\_\_RBM23\_\_NA  
chr19:13988306\_\_NANOS3\_\_nonsynonymous\_SNV  
chr6:47592019\_\_CD2AP\_\_NA  
chr5:16474778\_\_FAM134B\_\_NA  
chr22:39138426\_\_SUN2\_\_synonymous\_SNV  
chr10:93778521\_\_BTAF1\_\_NA  
chr1:185113218\_\_TRMT1L\_\_NA  
chr16:18850864\_\_SMG1\_\_NA  
chr5:175913278\_\_FAF2\_\_NA  
chr4:2934189\_\_MFSD10\_\_synonymous\_SNV  
chr20:17622341\_\_RRBP1\_\_NA  
chr10:124914638\_\_BUB3\_\_NA  
chr17:63640211\_\_CEP112\_\_NA  
chr3:52437263\_\_BAP1\_\_nonsynonymous\_SNV  
chr2:87015701\_\_CDBA\_\_NA  
chr5:135186187\_\_SLC25A48(NM\_145282:exon3:c.162+2T>A)\_\_NA  
chr4:41000756\_\_MROCH2B\_\_NA  
chr7:156746993\_\_NOM1(NM\_138400:exon3:c.1308+1G>T)\_\_NA  
chr1:144867734\_\_NBP20,NBP29,PDE4DIP\_\_NA  
chr16:50092951\_\_CNEP1R1(dist=21952),HEATR3(dist=6930)\_\_NA  
chr12:7019246\_\_LRRC23\_\_NA  
chr19:44242419\_\_SMG9\_\_NA  
chr5:13716838\_\_DNAH5\_\_NA  
chr9:130536509\_\_SH2D3C\_\_nonsynonymous\_SNV  
chr7:70251072\_\_AUTS2\_\_NA  
chr15:30298081\_\_TJP1(dist=183375),GOLGA8J(dist=77077)\_\_NA  
chr3:149042609\_\_TM4SF18\_\_NA  
chr19:5218693\_\_PTPRS\_\_NA  
chr2:24262433\_\_C2orf44\_\_NA  
chr17:15212187\_\_TEKT3\_\_NA  
chr10:124924486\_\_BUB3\_\_NA  
chr3:153909226\_\_ARHGFE26\_\_NA  
chr10:92678758\_\_ANKRD1\_\_NA  
chr1:53364874\_\_ECHDC2\_\_nonsynonymous\_SNV  
chr11:64527042\_\_PYGM\_\_NA  
chr3:14860543\_\_FGD5\_\_NA  
chr9:130489333\_\_TTC16\_\_nonsynonymous\_SNV  
chr12:7301771\_\_CLSTN3\_\_nonsynonymous\_SNV  
chr14:105178897\_\_INF2\_\_NA  
chr17:80885890\_\_TBCD\_\_NA  
chr8:6914277\_\_DEFA5\_\_NA  
chr7:56149836\_\_PHKG1\_\_NA  
chr8:38003466\_\_STAR\_\_NA  
chr3:56592722\_\_CCDC66\_\_NA  
chr1:44569638\_\_SLC6A9(dist=72474),KLF17(dist=14884)\_\_NA  
chr19:60748703\_\_C3\_\_nonsynonymous\_SNV  
chr9:30774169\_\_LOC401497(dist=365717),ACO1(dist=1610432)\_\_NA  
chr18:7017358\_\_LAMA1\_\_synonymous\_SNV  
chr14:23886898\_\_MYH7\_\_NA  
chr16:30749878\_\_SRCAP\_\_synonymous\_SNV  
chr17:19568375\_\_ALDH3A2\_\_NA  
chr9:130980827\_\_DNM1\_\_NA  
chr22:25251216\_\_SGSM1\_\_NA  
chr10:72358486\_\_PRF1\_\_nonsynonymous\_SNV  
chr17:79532633\_\_NPLOC4\_\_nonsynonymous\_SNV  
chr17:78338261\_\_RNF213\_\_nonsynonymous\_SNV  
chr22:24106572\_\_C22orf15\_\_nonsynonymous\_SNV  
chrX:151909383\_\_CSAG1\_\_NA  
chr20:4163054\_\_SMOX\_\_nonsynonymous\_SNV  
chr14:65253752\_\_SPTB\_\_synonymous\_SNV  
chr19:50149357\_\_SCAF1\_\_NA  
chr22:24487509\_\_FRBIN1\_\_NA  
chr14:52187088\_\_CABMD6\_\_nonsynonymous\_SNV  
chr16:81190468\_\_PKD1L2\_\_unknown  
chr3:100387927\_\_GPR128\_\_nonsynonymous\_SNV  
chr19:56538564\_\_NLRP5\_\_nonsynonymous\_SNV  
chr2:15768844\_\_DDX1\_\_NA  
chr15:35182299\_\_AQR\_\_NA  
chr17:7623129\_\_DNAH2\_\_nonsynonymous\_SNV  
chr17:7623130\_\_DNAH2\_\_synonymous\_SNV  
chr17:2490837\_\_METTL16(dist=75637),PFAH1B1(dist=6086)\_\_NA  
chr17:76388721\_\_PGS1\_\_nonsynonymous\_SNV  
chr3:189038442\_\_TPRG1\_\_nonsynonymous\_SNV  
chr1:175325572\_\_TNR\_\_nonsynonymous\_SNV  
chr12:123649946\_\_MPHOSPH9\_\_synonymous\_SNV  
chr9:135073998\_\_NTNG2(NM\_032536:exon3:c.857+2T>G)\_\_NA  
chr14:35579889\_\_LOC101927178\_\_NA  
chr10:99358824\_\_HOGA1\_\_NA  
chr4:77290577\_\_CCDC158(NM\_001042784:exon11:c.1347+2T>G)\_\_NA  
chr10:121436472\_\_BAG3\_\_nonsynonymous\_SNV  
chr17:67279957\_\_ABCA5\_\_NA



RCC\_T6.GL  
RCC\_T6.8  
RCC\_T6.7  
RCC\_T6.6  
RCC\_T6.5  
RCC\_T6.4  
RCC\_T6.3  
RCC\_T6.2  
RCC\_T6.1