

Point mutations in HCC1954BL. Genomic coordinates are indexed to the reference genome sequence NCBI 36.1 / hg18. A.A. ref, amino acid reference; A.A. var., amino acid variant.

| CHR ID | Position | Change | Gene name | Mutation type | A.A. ref. | A.A. var. |
|--------|-----------|--------|-----------|---------------|-----------|-----------|
| CHR1 | 109686214 | A/G | SORT1 | Synonymous | Y | Y |
| CHR1 | 155220820 | T/C | ARHGEF11 | Missense | D | G |
| CHR1 | 156003894 | T/A | FCRL2 | Missense | R | W |
| CHR1 | 157433410 | C/G | CADM3 | Synonymous | T | T |
| CHR1 | 206319363 | G/A | PLXNA2 | Synonymous | A | A |
| CHR1 | 870881 | A/G | NOC2L | Missense | F | L |
| CHR11 | 120925965 | C/G | SORL1 | Missense | P | R |
| CHR11 | 4659812 | C/A | OR51E2 | Missense | A | S |
| CHR11 | 59237022 | A/G | OR10V1 | Synonymous | Y | Y |
| CHR11 | 6870019 | A/G | OR2D2 | Missense | C | R |
| CHR12 | 104117284 | C/T | APPL2 | Missense | R | K |
| CHR12 | 56398423 | G/A | OS9 | Synonymous | S | S |
| CHR15 | 47446998 | C/G | C15ORF33 | Missense | A | P |
| CHR16 | 86424113 | A/G | SLC7A5 | Synonymous | C | C |
| CHR17 | 31349458 | C/T | CCL15 | Synonymous | T | T |
| CHR17 | 42554849 | A/G | CDC27 | Synonymous | L | L |
| CHR17 | 45808135 | T/A | EME1 | Missense | N | K |
| CHR17 | 45969111 | T/C | EPN3 | Synonymous | N | N |
| CHR19 | 46501943 | C/A | HNRNPUL1 | Missense | S | R |
| CHR2 | 11719749 | G/A | NTSR2 | Synonymous | S | S |
| CHR3 | 47073875 | G/A | SETD2 | Nonsense | Q | * |
| CHR3 | 89472813 | C/A | EPHA3 | Missense | P | Q |
| CHR9 | 115969808 | G/A | COL27A1 | Missense | R | Q |
| CHR9 | 130748514 | C/T | DOLK | Missense | R | H |
| CHR1 | 100961236 | C/A | VCAM1 | Nonsense | S | * |
| CHR9 | 134063509 | C/T | NTNG2 | Synonymous | R | R |
| CHR9 | 137859124 | C/T | CAMSAP1 | Synonymous | P | P |
| CHR9 | 19510939 | C/A | SLC24A2 | Missense | M | I |
| CHR4 | 106375929 | C/T | TET2 | Nonsense | Q | * |
| CHRX | 152949611 | C/T | MECP2 | Missense | V | M |
| CHR1 | 11840208 | A/T | NPPB | UTR | - | - |
| CHR1 | 240225952 | T/C | MAP1LC3C | UTR | - | - |
| CHR14 | 102877348 | T/C | EIF5 | UTR | - | - |
| CHR16 | 55848271 | T/C | PLLP | UTR | - | - |
| CHR17 | 38216226 | C/T | CNTD1 | UTR | - | - |
| CHR19 | 59804108 | G/A | LILRA1 | UTR | - | - |
| CHR2 | 162936263 | T/G | KCNH7 | UTR | - | - |
| CHR2 | 204308025 | A/G | CD28 | UTR | - | - |
| CHR3 | 49290604 | C/T | USP4 | UTR | - | - |
| CHR6 | 134415360 | C/T | SLC2A12 | UTR | - | - |
| CHR6 | 26266758 | C/T | HIST1H2BD | UTR | - | - |
| CHR7 | 141276170 | T/G | CLEC5A | UTR | - | - |
| CHR9 | 102378761 | T/A | TMEFF1 | UTR | - | - |
| CHR1 | 100444126 | C/T | DBT | Intronic | - | - |
| CHR1 | 151875529 | A/T | Clorf77 | Intronic | - | - |
| CHR1 | 168189500 | C/T | KIFAP3 | Intronic | - | - |
| CHR1 | 184381737 | A/G | HMCN1 | Intronic | - | - |
| CHR1 | 194725359 | T/C | KCNT2 | Intronic | - | - |
| CHR1 | 205175155 | T/C | PIGR | Intronic | - | - |
| CHR1 | 205719684 | A/G | CR2 | Intronic | - | - |
| CHR1 | 220934542 | C/T | AIDA | Intronic | - | - |
| CHR1 | 27822688 | C/T | FGR | Intronic | - | - |

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| CHR1 | 47274485 | T/C | CYP4X1 | Intronic | - | - |
| CHR1 | 52624317 | G/A | ORC1L | Intronic | - | - |
| CHR1 | 53372313 | C/T | SLC1A7 | Intronic | - | - |
| CHR1 | 56762310 | T/C | PPAP2B | Intronic | - | - |
| CHR1 | 64471088 | T/A | UBE2U | Intronic | - | - |
| CHR1 | 99966548 | C/A | FRRS1 | Intronic | - | - |
| CHR10 | 114166517 | G/C | ACSL5 | Intronic | - | - |
| CHR10 | 122654557 | C/T | BRWD2 | Intronic | - | - |
| CHR10 | 20492945 | T/A | PLXDC2 | Intronic | - | - |
| CHR10 | 26548524 | G/T | GAD2 | Intronic | - | - |
| CHR10 | 29855728 | G/A | SVIL | Intronic | - | - |
| CHR10 | 61489092 | A/T | ANK3 | Intronic | - | - |
| CHR10 | 74741801 | T/C | TTC18 | Intronic | - | - |
| CHR10 | 94378821 | G/A | KIF11 | Intronic | - | - |
| CHR11 | 102168983 | T/G | MMP1 | Intronic | - | - |
| CHR11 | 71986429 | C/T | PDE2A | Intronic | - | - |
| CHR11 | 9007824 | C/T | SCUBE2 | Intronic | - | - |
| CHR12 | 102673819 | G/A | STAB2 | Intronic | - | - |
| CHR12 | 108012401 | C/A | ALKBH2 | Intronic | - | - |
| CHR12 | 3636106 | C/T | EFCAB4B | Intronic | - | - |
| CHR12 | 57558853 | A/C | LRIG3 | Intronic | - | - |
| CHR12 | 8695369 | A/T | MFAP5 | Intronic | - | - |
| CHR13 | 40544771 | A/G | WBP4 | Intronic | - | - |
| CHR13 | 44739340 | T/C | GTF2F2 | Intronic | - | - |
| CHR13 | 69212959 | A/C | KLHL1 | Intronic | - | - |
| CHR15 | 46381241 | G/C | SLC12A1 | Intronic | - | - |
| CHR15 | 87824327 | C/A | RHCG | Intronic | - | - |
| CHR16 | 8918893 | C/T | USP7 | Intronic | - | - |
| CHR17 | 26277785 | G/A | ADAP2 | Intronic | - | - |
| CHR17 | 31091751 | C/A | RASL10B | Intronic | - | - |
| CHR17 | 38313441 | A/G | G6PC | Intronic | - | - |
| CHR17 | 38923169 | A/G | DHX8 | Intronic | - | - |
| CHR17 | 40292732 | G/A | EFTUD2 | Intronic | - | - |
| CHR17 | 43375541 | A/G | PNPO | Intronic | - | - |
| CHR17 | 46403305 | C/T | SPAG9 | Intronic | - | - |
| CHR17 | 68705185 | C/T | COG1 | Intronic | - | - |
| CHR17 | 70357881 | G/T | GRIN2C | Intronic | - | - |
| CHR18 | 17672505 | A/G | MIB1 | Intronic | - | - |
| CHR19 | 14925638 | G/T | SLC1A6 | Intronic | - | - |
| CHR19 | 15508996 | C/T | CYP4F22 | Intronic | - | - |
| CHR19 | 16406373 | G/A | EPS15L1 | Intronic | - | - |
| CHR19 | 17223659 | C/T | USHBP1 | Intronic | - | - |
| CHR19 | 17515475 | A/G | FAM129C | Intronic | - | - |
| CHR19 | 17692573 | C/G | MAP1S | Intronic | - | - |
| CHR19 | 42781034 | T/C | ZNF540 | Intronic | - | - |
| CHR19 | 45934994 | C/G | ITPKC | Intronic | - | - |
| CHR19 | 6793778 | G/A | VAV1 | Intronic | - | - |
| CHR2 | 100947572 | A/G | NPAS2 | Intronic | - | - |
| CHR2 | 118470263 | G/A | CCDC93 | Intronic | - | - |
| CHR2 | 233543050 | A/G | NGEF | Intronic | - | - |
| CHR2 | 238911502 | A/G | TRAF3IP1 | Intronic | - | - |
| CHR2 | 239019654 | G/A | ASB1 | Intronic | - | - |
| CHR2 | 32674045 | T/C | BIRC6 | Intronic | - | - |
| CHR2 | 99418647 | A/T | REV1 | Intronic | - | - |
| CHR20 | 2946764 | G/A | PTPRA | Intronic | - | - |
| CHR20 | 43944530 | G/A | ZSWIM1 | Intronic | - | - |
| CHR21 | 37020090 | C/G | SIM2 | Intronic | - | - |
| CHR22 | 24404773 | A/G | ADRBK2 | Intronic | - | - |
| CHR22 | 28262956 | A/G | THOC5 | Intronic | - | - |
| CHR3 | 10063089 | A/C | FANCD2 | Intronic | - | - |
| CHR3 | 10063099 | T/A | FANCD2 | Intronic | - | - |

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| CHR3 | 102534520 | C/G | SENP7 | Intronic | - | - |
| CHR3 | 110172572 | A/G | MORC1 | Intronic | - | - |
| CHR3 | 120927958 | C/T | C3orf15 | Intronic | - | - |
| CHR3 | 120931481 | C/T | C3orf15 | Intronic | - | - |
| CHR3 | 140585321 | T/C | COPB2 | Intronic | - | - |
| CHR3 | 196504444 | T/C | ACAP2 | Intronic | - | - |
| CHR3 | 197451219 | G/A | PCYT1A | Intronic | - | - |
| CHR3 | 48311527 | G/A | NME6 | Intronic | - | - |
| CHR3 | 5224236 | G/T | EDEM1 | Intronic | - | - |
| CHR3 | 58246417 | G/A | ABHD6 | Intronic | - | - |
| CHR3 | 65400544 | T/C | MAGI1 | Intronic | - | - |
| CHR4 | 100697518 | C/T | RG9MTD2 | Intronic | - | - |
| CHR4 | 162796765 | A/C | FSTL5 | Intronic | - | - |
| CHR4 | 162916713 | A/G | FSTL5 | Intronic | - | - |
| CHR4 | 171223917 | T/A | AADAT | Intronic | - | - |
| CHR4 | 2910959 | C/T | NOL14 | Intronic | - | - |
| CHR4 | 42161129 | T/C | ATP8A1 | Intronic | - | - |
| CHR4 | 71746905 | T/C | IGJ | Intronic | - | - |
| CHR4 | 76634729 | T/A | RCHY1 | Intronic | - | - |
| CHR5 | 179225015 | C/T | TBC1D9B | Intronic | - | - |
| CHR5 | 35685080 | A/T | SPEF2 | Intronic | - | - |
| CHR6 | 152749598 | C/T | SYNE1 | Intronic | - | - |
| CHR6 | 159048197 | T/G | SYTL3 | Intronic | - | - |
| CHR6 | 24513046 | T/C | MRS2 | Intronic | - | - |
| CHR6 | 28373936 | A/G | PGBD1 | Intronic | - | - |
| CHR6 | 2838534 | G/A | SERPINB9 | Intronic | - | - |
| CHR6 | 32445876 | T/C | C6orf10 | Intronic | - | - |
| CHR6 | 34104127 | G/A | GRM4 | Intronic | - | - |
| CHR6 | 47104397 | C/A | GPR110 | Intronic | - | - |
| CHR6 | 76656270 | C/G | MYO6 | Intronic | - | - |
| CHR6 | 8359698 | C/A | SLC35B3 | Intronic | - | - |
| CHR6 | 90462465 | T/C | MDN1 | Intronic | - | - |
| CHR7 | 127039147 | C/G | PAX4 | Intronic | - | - |
| CHR7 | 45107262 | G/T | TBRG4 | Intronic | - | - |
| CHR7 | 98846886 | G/C | BUD31 | Intronic | - | - |
| CHR8 | 101698972 | A/G | SNX31 | Intronic | - | - |
| CHR8 | 68334446 | G/A | ARFGEF1 | Intronic | - | - |
| CHR8 | 68341794 | A/T | ARFGEF1 | Intronic | - | - |
| CHR8 | 87516459 | G/A | WWP1 | Intronic | - | - |
| CHR8 | 87725480 | G/A | CNGB3 | Intronic | - | - |
| CHR9 | 19314223 | A/G | DENND4C | Intronic | - | - |
| CHRX | 39796601 | C/A | BCOR | Intronic | - | - |
| CHRX | 54061192 | T/A | PHF8 | Intronic | - | - |
| CHRX | 8953434 | A/T | FAM9B | Intronic | - | - |
| CHR2 | 201432953 | C/A | CLK1 | ncRNA | - | - |
| CHR8 | 67842645 | G/A | PTTG3P | ncRNA | - | - |
| CHR1 | 246751390 | G/A | - | Intergenic | - | - |
| CHR12 | 102505044 | G/T | - | Intergenic | - | - |
| CHR12 | 106817428 | A/C | - | Intergenic | - | - |
| CHR17 | 25054530 | A/G | - | Intergenic | - | - |
| CHR17 | 68858402 | C/T | - | Intergenic | - | - |
| CHR19 | 58983175 | G/C | - | Intergenic | - | - |
| CHR2 | 116288872 | T/G | - | Intergenic | - | - |
| CHR2 | 141397474 | C/T | - | Intergenic | - | - |
| CHR3 | 169026075 | A/C | - | Intergenic | - | - |
| CHR3 | 192419063 | G/A | - | Intergenic | - | - |
| CHR4 | 98981117 | A/T | - | Intergenic | - | - |
| CHR6 | 169923581 | G/A | - | Intergenic | - | - |
| CHR7 | 37250299 | G/A | - | Intergenic | - | - |
| CHR8 | 68060106 | T/G | - | Intergenic | - | - |