# Verstandelijke beperking: syndromaal/niet syndromaal

Verstandelijke beperking
1737
VBE01v25.1

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| B3GALT6 | 85.89 | 82.2 |
| CPSF3L | 99.9 | 100 |
| ATAD3A | 91.5 | 96.5 |
| TMEM240 | 100 | 99.9 |
| GNB1 | 100 | 100 |
| GABRD | 97.15 | 93.8 |
| SKI | 99.65 | 98.5 |
| PEX10 | 100 | 100 |
| TP73 | 100 | 100 |
| CEP104 | 100 | 100 |
| CHD5 | 99.93 | 97.8 |
| CAMTA1 | 99.92 | 99.2 |
| SLC45A1 | 99.99 | 100 |
| RERE | 100 | 99.9 |
| NMNAT1 | 100 | 100 |
| PEX14 | 100 | 100 |
| MTOR | 100 | 100 |
| MTHFR | 100 | 100 |
| CLCN6 | 100 | 100 |
| VPS13D | 100 | 100 |
| SPEN | 100 | 100 |
| ATP13A2 | 99.96 | 99.9 |
| ALDH4A1 | 100 | 100 |
| BCL11A | 100 | 100 |
| PEX13 | 100 | 100 |
| XPO1 | 100 | 99.9 |
| CCT4 | 100 | 99.3 |
| UGP2 | 100 | 100 |
| SLC1A4 | 100 | 100 |
| SPRED2 | 100 | 98.2 |
| ANTXR1 | 99.97 | 98 |
| NFU1 | 100 | 95.8 |
| SPR | 100 | 100 |
| CCT7 | 100 | 100 |
| ALMS1 | 100 | 99.9 |
| TPRKB | 100 | 92.7 |
| STAMBP | 100 | 100 |
| TET3 | 100 | 100 |
| BOLA3 | 100 | 98.9 |
| MOGS | 100 | 100 |
| HTRA2 | 100 | 100 |
| CTNNA2 | 100 | 100 |
| SUCLG1 | 100 | 100 |
| ST3GAL5 | 99.99 | 92.1 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| POLR1A | 100 | 100 |
| EIF2AK3 | 100 | 98 |
| RPIA | 99.97 | 100 |
| AFF3 | 98.66 | 98 |
| POU3F3 | 80.64 | 73.9 |
| NPHP1 | 100 | 96.6 |
| BUB1 | 100 | 100 |
| IDUA | 99.9 | 97.8 |
| CTBP1 | 96.5 | 94.5 |
| FGFR3 | 99.96 | 100 |
| LETM1 | 100 | 97.8 |
| WHSC1 | 99.93 | 99.6 |
| ADD1 | 100 | 100 |
| CC2D2A | 100 | 99.8 |
| QDPR | 100 | 99.9 |
| SEPSECS | 100 | 100 |
| RBPJ | 100 | 100 |
| LIAS | 100 | 96.3 |
| UGDH | 100 | 100 |
| SLC30A9 | 100 | 99.8 |
| GABRA2 | 100 | 100 |
| GABRA4 | 100 | 100 |
| GABRB1 | 100 | 100 |
| FRYL | 99.98 | 98.9 |
| GSX2 | 100 | 100 |
| SRD5A3 | 100 | 99.8 |
| TMEM165 | 100 | 99.8 |
| CEP135 | 100 | 99.1 |
| SLC4A4 | 100 | 100 |
| ANKRD17 | 100 | 99.4 |
| FRAS1 | 100 | 100 |
| HNRNPD | 99.99 | 100 |
| COQ2 | 100 | 99.6 |
| WDFY3 | 100 | 100 |
| PIGY | 100 | 100 |
| AARS2 | 100 | 100 |
| MUT | 100 | 100 |
| RAB23 | 100 | 100 |
| KCNQ5 | 100 | 99.3 |
| MTO1 | 98.32 | 97.6 |
| SLC17A5 | 100 | 100 |
| FILIP1 | 100 | 100 |
| PHIP | 99.19 | 97 |
| ELOVL4 | 100 | 100 |
| BCKDHB | 100 | 100 |
| PGM3 | 100 | 100 |
| SNX14 | 100 | 92.3 |
| SYNCRIP | 100 | 100 |
| ZNF292 | 100 | 100 |
| SLC35A1 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| RARS2 | 100 | 100 |
| EPHA7 | 100 | 100 |
| NDUFAF4 | 100 | 100 |
| POU3F2 | 94.86 | 91.2 |
| FBXL4 | 100 | 100 |
| PRDM13 | 99.97 | 99 |
| SIM1 | 100 | 100 |
| ASCC3 | 100 | 97.3 |
| GRIK2 | 100 | 100 |
| HACE1 | 100 | 99.7 |
| RTN4IP1 | 100 | 100 |
| PDSS2 | 100 | 99.7 |
| SOBP | 98.85 | 98.5 |
| TTI2 | 100 | 100 |
| ERLIN2 | 100 | 100 |
| PROSC | 100 | 100 |
| DDHD2 | 100 | 100 |
| FGFR1 | 100 | 100 |
| KAT6A | 100 | 100 |
| POMK | 100 | 100 |
| HGSNAT | 99.61 | 94.6 |
| CA8 | 100 | 100 |
| CHD7 | 100 | 99.9 |
| CSPP1 | 100 | 98.3 |
| ARFGEF1 | 99.86 | 99.9 |
| KCNB2 | 100 | 100 |
| TMEM70 | 100 | 100 |
| ZFHX4 | 100 | 99.9 |
| PEX2 | 100 | 100 |
| IMPA1 | 100 | 97.6 |
| CA2 | 100 | 100 |
| NBN | 100 | 100 |
| OTUD6B | 100 | 99.9 |
| TMEM67 | 100 | 99.6 |
| INTS8 | 99.95 | 97.7 |
| PTDSS1 | 100 | 100 |
| VPS13B | 100 | 100 |
| RRM2B | 100 | 100 |
| RIMS2 | 99.99 | 100 |
| OXR1 | 100 | 100 |
| RAD21 | 100 | 99.9 |
| TUBGCP2 | 96.49 | 100 |
| ECHS1 | 99.89 | 99.6 |
| HRAS | 100 | 100 |
| DEAF1 | 98.61 | 93.8 |
| SLC25A22 | 100 | 100 |
| PIDD1 | 100 | 100 |
| BRSK2 | 99.99 | 99.9 |
| CTSD | 100 | 100 |
| TH | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| CDKN1C | 86.43 | 82.6 |
| CARS | 100 | 100 |
| PGAP2 | 100 | 100 |
| SMPD1 | 100 | 100 |
| TPP1 | 100 | 100 |
| DCHS1 | 100 | 100 |
| EIF3F | 100 | 100 |
| DENND5A | 100 | 100 |
| CTR9 | 100 | 100 |
| FAR1 | 100 | 100 |
| RRAS2 | 100 | 100 |
| COPB1 | 100 | 99 |
| SOX6 | 100 | 99.6 |
| KCNJ11 | 100 | 100 |
| KCNC1 | 100 | 100 |
| PAX6 | 100 | 100 |
| CAPRIN1 | 100 | 100 |
| PDHX | 100 | 100 |
| SLC1A2 | 100 | 100 |
| SHMT2 | 100 | 100 |
| B4GALNT1 | 100 | 100 |
| TSFM | 92.69 | 100 |
| TMEM5 | 100 | 99.7 |
| GNS | 100 | 99.7 |
| NUP107 | 100 | 99.9 |
| CNOT2 | 100 | 100 |
| KCNC2 | 100 | 100 |
| BBS10 | 100 | 100 |
| SYT1 | 100 | 100 |
| PPP1R12A | 99.99 | 94 |
| CEP290 | 100 | 84.8 |
| TMTC3 | 100 | 99.6 |
| ATP2B1 | 99.99 | 100 |
| CRADD | 100 | 100 |
| CEP83 | 100 | 89.7 |
| SCYL2 | 99.99 | 99.9 |
| GNPTAB | 100 | 100 |
| IGF1 | 100 | 100 |
| PAH | 100 | 100 |
| KIAA1033 | 100 | 99.1 |
| POLR3B | 100 | 100 |
| RFX4 | 100 | 100 |
| SART3 | 100 | 100 |
| UBE3B | 100 | 100 |
| MMAB | 100 | 100 |
| MVK | 100 | 100 |
| ATP2A2 | 100 | 100 |
| C15orf57 | 99.93 | 100 |
| CASC5 | 98.02 | 98.9 |
| UBR1 | 100 | 99.9 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| TUBGCP4 | 99.93 | 99.9 |
| FRMD5 | 99.75 | 98.4 |
| GATM | 100 | 100 |
| SPATA5L1 | 100 | 100 |
| CEP152 | 100 | 97.2 |
| AP4E1 | 100 | 100 |
| DMXL2 | 100 | 99.9 |
| GNB5 | 100 | 100 |
| MYO5A | 100 | 98.2 |
| RAB27A | 100 | 100 |
| PIGB | 100 | 95.6 |
| RFX7 | 99.98 | 98.4 |
| RORA | 100 | 100 |
| HERC1 | 100 | 100 |
| CSNK1G1 | 100 | 100 |
| MTFMT | 99.98 | 99.9 |
| RAB11A | 100 | 100 |
| MAP2K1 | 100 | 100 |
| CLN6 | 100 | 99.8 |
| FEM1B | 100 | 100 |
| PARP6 | 100 | 100 |
| HEXA | 100 | 100 |
| BBS4 | 100 | 100 |
| STRA6 | 100 | 100 |
| SCAMP5 | 100 | 100 |
| SCO1 | 100 | 100 |
| ELAC2 | 100 | 100 |
| COX10 | 100 | 100 |
| TTC19 | 100 | 100 |
| PIGL | 100 | 100 |
| RAI1 | 100 | 100 |
| TOP3A | 100 | 100 |
| B9D1 | 100 | 100 |
| ALDH3A2 | 100 | 100 |
| SLC46A1 | 100 | 100 |
| PIGS | 100 | 100 |
| TAOK1 | 99.99 | 99.3 |
| NSRP1 | 99.9 | 88.1 |
| TEFM | 100 | 100 |
| NF1 | 100 | 99.7 |
| SUZ12 | 100 | 87.3 |
| PEX12 | 100 | 100 |
| ZNHIT3 | 100 | 100 |
| PIGW | 100 | 100 |
| PCGF2 | 100 | 100 |
| NEUROD2 | 100 | 100 |
| PGAP3 | 100 | 100 |
| THRA | 100 | 100 |
| CDC6 | 100 | 100 |
| SMARCE1 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| RAB5C | 100 | 100 |
| ATP6V0A1 | 100 | 100 |
| NAGLU | 99.98 | 99.9 |
| MAST3 | 99.91 | 98.4 |
| PIK3R2 | 99.68 | 94.6 |
| SLC25A42 | 100 | 100 |
| MEF2BNB | 100 | 100 |
| GATAD2A | 100 | 100 |
| PEPD | 100 | 100 |
| UBA2 | 99.88 | 99.5 |
| SCN1B | 99.89 | 93.8 |
| LGI4 | 100 | 100 |
| TMEM147 | 100 | 99.2 |
| COX6B1 | 100 | 100 |
| KMT2B | 98.22 | 96.1 |
| SDHAF1 | 100 | 100 |
| WDR62 | 100 | 100 |
| YIF1B | 99.97 | 100 |
| PLEKHG2 | 100 | 100 |
| TIMM50 | 100 | 100 |
| SPTBN4 | 99.98 | 99.2 |
| HNRNPUL1 | 99.74 | 99.8 |
| BCKDHA | 100 | 99.9 |
| EXOSC5 | 100 | 100 |
| RPS19 | 100 | 100 |
| ATP1A3 | 100 | 100 |
| ZNF526 | 100 | 100 |
| ERF | 100 | 99.6 |
| CIC | 100 | 100 |
| MEGF8 | 99.9 | 99.9 |
| ETHE1 | 100 | 94.5 |
| EMC1 | 100 | 100 |
| CKAP2L | 100 | 92.9 |
| GRID2 | 100 | 100 |
| ZBTB24 | 100 | 100 |
| TAF2 | 100 | 99.8 |
| COMMD9 | 100 | 100 |
| CUX2 | 100 | 98.7 |
| COMMD4 | 100 | 100 |
| COASY | 100 | 100 |
| SMG9 | 100 | 100 |
| NAGA | 100 | 100 |
| GDI1 | 100 | 100 |
| ERCC2 | 100 | 100 |
| ERCC1 | 100 | 100 |
| OPA3 | 100 | 100 |
| NOVA2 | 95.14 | 93.1 |
| FKRP | 100 | 100 |
| KPTN | 100 | 100 |
| GLTSCR1 | 99.04 | 93.3 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| GRIN2D | 96.53 | 81 |
| PPFIA3 | 100 | 100 |
| PRR12 | 99.99 | 99.6 |
| MED25 | 100 | 100 |
| PNKP | 100 | 100 |
| KCNC3 | 92.84 | 88.1 |
| EMC10 | 95.43 | 93.6 |
| SHANK1 | 99.89 | 97.1 |
| PPP2R1A | 100 | 100 |
| CNOT3 | 100 | 99.6 |
| MBOAT7 | 100 | 100 |
| TSEN34 | 100 | 100 |
| TBC1D20 | 99.93 | 93 |
| CSNK2A1 | 100 | 100 |
| SNRPB | 100 | 100 |
| VPS16 | 99.97 | 100 |
| ITPA | 100 | 100 |
| PANK2 | 100 | 100 |
| CRLS1 | 99.29 | 99.8 |
| PLCB1 | 100 | 99.9 |
| SNAP25 | 100 | 100 |
| TCF20 | 100 | 100 |
| CYB5R3 | 96.29 | 95.2 |
| ALG12 | 100 | 100 |
| MLC1 | 100 | 100 |
| TUBGCP6 | 100 | 100 |
| SCO2 | 100 | 100 |
| CHKB | 100 | 100 |
| ARSA | 100 | 100 |
| SHANK3 | 95.94 | 90.2 |
| ARSE | 100 | 100 |
| NLGN4X | 100 | 100 |
| CLCN4 | 100 | 100 |
| MID1 | 100 | 100 |
| HCCS | 100 | 100 |
| MSL3 | 99.91 | 96.7 |
| FRMPD4 | 100 | 100 |
| OFD1 | 100 | 99.1 |
| GLRA2 | 100 | 100 |
| PIGA | 100 | 100 |
| AP1S2 | 100 | 97.2 |
| NHS | 100 | 99.7 |
| CDKL5 | 99.97 | 98.6 |
| PDHA1 | 99.99 | 100 |
| RPS6KA3 | 99.8 | 98.9 |
| CNKSR2 | 100 | 99.4 |
| MBTPS2 | 100 | 99.9 |
| SMS | 99.8 | 100 |
| PTCHD1 | 100 | 100 |
| FAM50A | 99.97 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| LAGE3 | 99.91 | 96.8 |
| IKBKG | 36.37 | 36.8 |
| RAB39B | 100 | 100 |
| NACC1 | 100 | 100 |
| CACNA1A | 100 | 100 |
| CC2D1A | 100 | 100 |
| LPHN1 | 99.63 | 99.4 |
| TECR | 100 | 100 |
| BRD4 | 98.4 | 97.3 |
| SIN3B | 100 | 97.9 |
| GTPBP3 | 100 | 100 |
| MKKS | 100 | 100 |
| KLHL15 | 100 | 100 |
| MAPKAPK5 | 99.99 | 100 |
| HECTD4 | 100 | 100 |
| PTPN11 | 100 | 98.2 |
| RPH3A | 100 | 98.2 |
| MED13L | 100 | 99.8 |
| CIT | 100 | 100 |
| ACADS | 100 | 100 |
| KDM2B | 100 | 100 |
| SETD1B | 97.87 | 97.4 |
| HPD | 100 | 100 |
| C12orf65 | 100 | 99.5 |
| TCTN2 | 100 | 100 |
| ATP6V0A2 | 100 | 100 |
| DHX37 | 100 | 100 |
| PUS1 | 100 | 99.9 |
| FBRSL1 | 88.26 | 83.3 |
| ANKLE2 | 99.59 | 96.5 |
| ZMYM2 | 100 | 100 |
| CENPJ | 100 | 100 |
| ATP8A2 | 100 | 100 |
| CDK8 | 100 | 98.8 |
| HMGB1 | 99.94 | 100 |
| B3GALTL | 99.79 | 98.2 |
| FRY | 100 | 100 |
| NBEA | 99.6 | 98.9 |
| MAB21L1 | 100 | 100 |
| SPG20 | 100 | 100 |
| EXOSC8 | 100 | 98.2 |
| MAN2C1 | 100 | 100 |
| SIN3A | 100 | 100 |
| SCAPER | 100 | 99.5 |
| TBC1D2B | 98.27 | 99.1 |
| IREB2 | 100 | 100 |
| AP3B2 | 99.99 | 100 |
| WDR73 | 100 | 100 |
| POLG | 100 | 100 |
| KIF7 | 99.75 | 97.3 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| IDH2 | 99.98 | 100 |
| BLM | 100 | 99.8 |
| CHD2 | 100 | 99.8 |
| NR2F2 | 100 | 100 |
| IGF1R | 100 | 100 |
| LINS | 100 | 100 |
| POLR3K | 100 | 100 |
| NPRL3 | 100 | 100 |
| CAPN15 | 99.76 | 99.5 |
| PIGQ | 99.98 | 100 |
| GNPTG | 100 | 100 |
| TELO2 | 100 | 99.6 |
| MAPK8IP3 | 100 | 100 |
| MRPS34 | 100 | 100 |
| GFER | 100 | 100 |
| TSC2 | 100 | 100 |
| TRAF7 | 99.8 | 99.5 |
| TBC1D24 | 100 | 100 |
| ATP6V0C | 100 | 100 |
| TUBG1 | 100 | 100 |
| CNTNAP1 | 100 | 100 |
| EZH1 | 100 | 100 |
| UBTF | 100 | 99.9 |
| EFTUD2 | 100 | 100 |
| GFAP | 100 | 100 |
| KANSL1 | 100 | 100 |
| PNPO | 100 | 100 |
| CBX1 | 100 | 100 |
| SNF8 | 100 | 100 |
| SPOP | 100 | 100 |
| CACNA1G | 100 | 99.9 |
| COX11 | 100 | 100 |
| SRSF1 | 100 | 100 |
| MKS1 | 100 | 100 |
| BZRAP1 | 99.98 | 100 |
| SMG8 | 100 | 100 |
| CLTC | 100 | 100 |
| PTRH2 | 100 | 100 |
| PPM1D | 100 | 100 |
| BCAS3 | 100 | 100 |
| MED13 | 100 | 100 |
| TLK2 | 100 | 100 |
| TANC2 | 100 | 100 |
| STRADA | 100 | 100 |
| CCDC47 | 99.99 | 100 |
| PSMC5 | 100 | 100 |
| PSMD12 | 100 | 100 |
| TASP1 | 99.98 | 100 |
| NDUFAF5 | 100 | 100 |
| NAPB | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| ASXL1 | 99.88 | 98.4 |
| DNMT3B | 100 | 99.9 |
| AHCY | 100 | 100 |
| PIGU | 100 | 99.7 |
| GSS | 100 | 100 |
| SAMHD1 | 100 | 100 |
| TTI1 | 100 | 100 |
| SLC32A1 | 100 | 100 |
| FITM2 | 100 | 100 |
| PIGT | 100 | 100 |
| CTSA | 100 | 100 |
| ZNF335 | 100 | 100 |
| SLC12A5 | 100 | 99 |
| TP53RK | 100 | 100 |
| ZMYND8 | 100 | 100 |
| ARFGEF2 | 100 | 100 |
| KCNB1 | 100 | 100 |
| ADNP | 100 | 100 |
| DPM1 | 100 | 100 |
| ATP9A | 99.58 | 99.8 |
| GNAS | 100 | 99.9 |
| TAF4 | 79.45 | 77.6 |
| KCNQ2 | 100 | 97.6 |
| EEF1A2 | 99.59 | 97.5 |
| CCT8 | 100 | 100 |
| EIF2S3 | 100 | 100 |
| ZFX | 100 | 100 |
| POLA1 | 100 | 99 |
| ARX | 93.15 | 88 |
| IL1RAPL1 | 100 | 100 |
| GK | 99.98 | 95.7 |
| TSPAN7 | 99.94 | 99.9 |
| OTC | 100 | 99.4 |
| BCOR | 100 | 100 |
| ATP6AP2 | 100 | 100 |
| USP9X | 100 | 99.9 |
| DDX3X | 99.98 | 99.9 |
| CASK | 100 | 98.3 |
| MAOA | 100 | 100 |
| NDP | 100 | 100 |
| KDM6A | 100 | 99.9 |
| SLC9A7 | 99.96 | 99 |
| RBM10 | 99.99 | 99.9 |
| SYN1 | 100 | 100 |
| FTSJ1 | 100 | 100 |
| PORCN | 100 | 99.8 |
| EBP | 100 | 100 |
| PQBP1 | 100 | 100 |
| SLC35A2 | 100 | 99.6 |
| OTUD5 | 98.28 | 98.3 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| KCND1 | 100 | 100 |
| TFE3 | 99.97 | 99.8 |
| WDR45 | 100 | 100 |
| PLA2G6 | 100 | 100 |
| CBY1 | 100 | 100 |
| GTPBP1 | 99.9 | 99.9 |
| CACNA1I | 99.68 | 97 |
| TNRC6B | 100 | 97.8 |
| ADSL | 100 | 100 |
| EP300 | 100 | 100 |
| PHF5A | 100 | 100 |
| ACO2 | 100 | 100 |
| SYP | 100 | 97 |
| CCDC22 | 100 | 98.9 |
| PPP1R3F | 100 | 97.3 |
| USP27X | 100 | 100 |
| SHROOM4 | 100 | 100 |
| KDM5C | 100 | 100 |
| IQSEC2 | 99.57 | 98.9 |
| SMC1A | 100 | 100 |
| HSD17B10 | 100 | 100 |
| HUWE1 | 100 | 99.9 |
| PHF8 | 100 | 100 |
| WNK3 | 100 | 98.9 |
| FGD1 | 99.98 | 99.8 |
| ARHGEF9 | 100 | 100 |
| AMER1 | 100 | 100 |
| ZC4H2 | 100 | 100 |
| LAS1L | 100 | 100 |
| OPHN1 | 100 | 100 |
| KIF4A | 100 | 100 |
| DLG3 | 100 | 100 |
| MED12 | 100 | 99.9 |
| NLGN3 | 100 | 99.8 |
| ZMYM3 | 99.77 | 99.7 |
| NONO | 100 | 99.3 |
| TAF1 | 99.99 | 99.8 |
| OGT | 100 | 100 |
| HDAC8 | 100 | 99.9 |
| SLC16A2 | 100 | 99.9 |
| RLIM | 100 | 100 |
| BCAP31 | 99.95 | 99.8 |
| ABCD1 | 98.71 | 98.1 |
| SSR4 | 100 | 100 |
| L1CAM | 100 | 100 |
| NAA10 | 100 | 100 |
| HCFC1 | 100 | 100 |
| MECP2 | 100 | 99.9 |
| FLNA | 100 | 99.6 |
| RPL10 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| SMARCD1 | 99.91 | 98.8 |
| DIP2B | 99.96 | 99.4 |
| SCN8A | 100 | 100 |
| AAAS | 100 | 100 |
| BLOC1S1 | 100 | 99.9 |
| SUOX | 100 | 100 |
| SMARCC2 | 100 | 100 |
| PAN2 | 100 | 100 |
| UFM1 | 100 | 64.2 |
| SRRM2 | 100 | 100 |
| BPTF | 96.74 | 95.7 |
| TIAM1 | 100 | 100 |
| KIAA2022 | 100 | 100 |
| FREM2 | 100 | 100 |
| PROSER1 | 100 | 100 |
| COG6 | 100 | 99.9 |
| SLC25A15 | 100 | 100 |
| WBP4 | 100 | 99.4 |
| COG3 | 100 | 100 |
| SUCLA2 | 100 | 100 |
| RNASEH2B | 99.97 | 100 |
| ALG11 | 100 | 100 |
| PIBF1 | 100 | 98.7 |
| CLN5 | 100 | 100 |
| FBXL3 | 100 | 100 |
| MYCBP2 | 100 | 99.8 |
| POU4F1 | 79.94 | 81 |
| ZIC2 | 89.43 | 91.6 |
| PCCA | 100 | 100 |
| NALCN | 100 | 100 |
| TPP2 | 100 | 98 |
| ERCC5 | 100 | 99.7 |
| LIG4 | 100 | 100 |
| CARKD | 100 | 100 |
| CARS2 | 100 | 100 |
| CHAMP1 | 100 | 100 |
| TTC5 | 100 | 99.9 |
| OSGEP | 100 | 100 |
| PNP | 100 | 100 |
| HNRNPC | 100 | 100 |
| SUPT16H | 100 | 100 |
| THOC6 | 100 | 100 |
| ZSCAN10 | 100 | 100 |
| NAA60 | 99.99 | 100 |
| CREBBP | 99.98 | 99.4 |
| ROGDI | 99.98 | 99.5 |
| ALG1 | 99.89 | 99.5 |
| ABAT | 100 | 100 |
| PMM2 | 100 | 100 |
| USP7 | 99.86 | 97.4 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| GRIN2A | 100 | 100 |
| NDE1 | 100 | 100 |
| XYLT1 | 98.56 | 98 |
| C16orf62 | 99.98 | 99.7 |
| THUMPD1 | 100 | 99.5 |
| COG7 | 100 | 100 |
| EARS2 | 100 | 100 |
| KIAA0556 | 100 | 100 |
| CLN3 | 100 | 99.2 |
| PRRT2 | 100 | 100 |
| SRCAP | 100 | 100 |
| SETD1A | 99.88 | 99.1 |
| STX1B | 100 | 96.4 |
| ZNF668 | 100 | 100 |
| BCKDK | 100 | 100 |
| KAT8 | 100 | 100 |
| GPT2 | 100 | 98.4 |
| SIAH1 | 100 | 100 |
| HEATR3 | 100 | 100 |
| GABRA5 | 100 | 100 |
| HERC2 | 99.64 | 98.7 |
| OTUD7A | 96.86 | 97.4 |
| SLC12A6 | 100 | 100 |
| MEIS2 | 100 | 100 |
| SPRED1 | 100 | 100 |
| BUB1B | 100 | 98.1 |
| IVD | 100 | 100 |
| SALL1 | 100 | 100 |
| FIG4 | 100 | 100 |
| WASF1 | 100 | 99.8 |
| CDK19 | 99.97 | 99.9 |
| NUS1 | 99.68 | 99.8 |
| CEP85L | 100 | 93.1 |
| SOGA3 | 100 | 98.6 |
| LAMA2 | 99.62 | 100 |
| ARG1 | 100 | 100 |
| MED23 | 100 | 100 |
| AHI1 | 100 | 100 |
| PEX7 | 100 | 100 |
| HIVEP2 | 100 | 100 |
| PEX3 | 100 | 100 |
| GRM1 | 100 | 100 |
| TAB2 | 100 | 100 |
| RMND1 | 100 | 97.7 |
| SYNE1 | 100 | 100 |
| ARID1B | 99.29 | 98.6 |
| SERAC1 | 100 | 99.7 |
| GTF2H5 | 100 | 100 |
| TCP1 | 100 | 100 |
| RNASET2 | 100 | 99.9 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| DLL1 | 100 | 100 |
| FAM20C | 99.8 | 99.4 |
| PRKAR1B | 100 | 100 |
| INTS1 | 99.99 | 99.5 |
| BRAT1 | 100 | 100 |
| WIPI2 | 99.98 | 100 |
| KIAA0196 | 100 | 100 |
| KCNQ3 | 100 | 99.6 |
| KCNK9 | 100 | 100 |
| TRAPPC9 | 100 | 100 |
| AGO2 | 98.14 | 98.1 |
| EEF1D | 100 | 95.1 |
| PUF60 | 100 | 100 |
| GPAA1 | 100 | 100 |
| RECQL4 | 100 | 100 |
| SMARCA2 | 99.05 | 98 |
| VLDLR | 100 | 100 |
| RFX3 | 100 | 100 |
| GLIS3 | 100 | 100 |
| KIAA1432 | 100 | 100 |
| GLDC | 100 | 100 |
| MPDZ | 100 | 100 |
| NFIB | 100 | 99.5 |
| PLAA | 100 | 100 |
| IFT74 | 100 | 95.7 |
| APTX | 100 | 100 |
| B4GALT1 | 100 | 100 |
| NUDT2 | 100 | 100 |
| GALT | 100 | 100 |
| PIGO | 100 | 100 |
| RUSC2 | 100 | 100 |
| PAX5 | 100 | 100 |
| EXOSC3 | 100 | 100 |
| SMC5 | 99.95 | 99 |
| EXT2 | 100 | 100 |
| ALX4 | 100 | 99.5 |
| SLC35C1 | 100 | 100 |
| PEX16 | 100 | 100 |
| PHF21A | 100 | 99.7 |
| MADD | 100 | 100 |
| PSMC3 | 100 | 98.8 |
| CLP1 | 100 | 100 |
| TMX2 | 100 | 100 |
| CTNND1 | 100 | 100 |
| FAM111A | 100 | 100 |
| PRPF19 | 100 | 100 |
| DDB1 | 100 | 100 |
| DAK | 100 | 100 |
| TMEM216 | 100 | 100 |
| DAGLA | 100 | 99.9 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| BSCL2 | 100 | 100 |
| HNRNPUL2 | 100 | 100 |
| MARK2 | 99.14 | 99.9 |
| KCNK4 | 100 | 98.7 |
| DPF2 | 100 | 100 |
| SCYL1 | 100 | 100 |
| KAT5 | 99.98 | 100 |
| RNASEH2C | 100 | 100 |
| FIBP | 100 | 100 |
| PACS1 | 99.75 | 94.9 |
| B3GNT1 | 100 | 100 |
| BBS1 | 100 | 100 |
| RBL2 | 100 | 100 |
| RPGRIP1L | 96.44 | 96.9 |
| FTO | 100 | 100 |
| IRX5 | 99.98 | 100 |
| GNAO1 | 100 | 100 |
| AMFR | 99.82 | 99.9 |
| BBS2 | 100 | 100 |
| RSPRY1 | 100 | 100 |
| COQ9 | 100 | 100 |
| GPR56 | 100 | 100 |
| KATNB1 | 100 | 100 |
| CNOT1 | 99.99 | 100 |
| GOT2 | 100 | 99.4 |
| CDH11 | 100 | 100 |
| NAE1 | 100 | 99.9 |
| CTCF | 100 | 98.1 |
| PRMT7 | 100 | 100 |
| VPS4A | 100 | 100 |
| COG8 | 100 | 100 |
| AARS | 100 | 100 |
| FUK | 100 | 99.9 |
| COG4 | 100 | 100 |
| MTSS1L | 99.99 | 100 |
| VAC14 | 100 | 100 |
| TAT | 100 | 100 |
| AP1G1 | 98.62 | 100 |
| ZFHX3 | 100 | 100 |
| FA2H | 100 | 99.6 |
| COG1 | 100 | 100 |
| HID1 | 100 | 100 |
| SLC25A19 | 100 | 100 |
| KIAA0195 | 100 | 100 |
| TSEN54 | 98.88 | 96.9 |
| H3F3B | 100 | 100 |
| ACOX1 | 100 | 100 |
| EXOC7 | 100 | 100 |
| METTL23 | 100 | 100 |
| CANT1 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| EIF4A3 | 100 | 99.9 |
| SGSH | 100 | 94.5 |
| C17orf89 | 100 | 99.5 |
| ACTG1 | 100 | 100 |
| PCYT2 | 97.84 | 93.8 |
| PYCR1 | 100 | 99.8 |
| RAC3 | 94.58 | 91.5 |
| WDR45B | 100 | 100 |
| TBCD | 100 | 99 |
| TGIF1 | 100 | 100 |
| LAMA1 | 100 | 100 |
| NDUFV2 | 100 | 99.1 |
| PIEZO2 | 99.86 | 99.9 |
| AFG3L2 | 100 | 92.9 |
| RBBP8 | 100 | 99.8 |
| NPC1 | 100 | 100 |
| CDH2 | 99.93 | 98.5 |
| RNF125 | 100 | 100 |
| SCAF4 | 100 | 98 |
| SYNJ1 | 99.98 | 97.7 |
| SON | 100 | 100 |
| DONSON | 100 | 97.4 |
| ITSN1 | 100 | 99.8 |
| HLCS | 100 | 100 |
| PIGP | 100 | 100 |
| DYRK1A | 100 | 100 |
| KCNJ6 | 100 | 100 |
| PRDM15 | 97.62 | 97 |
| WDR4 | 100 | 100 |
| CBS | 99.97 | 100 |
| SIK1 | 99.94 | 100 |
| CSTB | 100 | 100 |
| TRAPPC10 | 99.86 | 99.3 |
| ADARB1 | 93.94 | 93.9 |
| FTCD | 99.76 | 94.9 |
| LSS | 100 | 99.8 |
| MCM3AP | 100 | 100 |
| PCNT | 100 | 99.9 |
| PEX26 | 100 | 100 |
| PRODH | 99.95 | 98.9 |
| SLC25A1 | 99.94 | 94.5 |
| HIRA | 100 | 100 |
| CLDN5 | 100 | 100 |
| TBX1 | 91.51 | 84.3 |
| TANGO2 | 100 | 100 |
| PI4KA | 99.84 | 100 |
| ATRX | 100 | 98.8 |
| ATP7A | 100 | 100 |
| PGK1 | 100 | 100 |
| BRWD3 | 100 | 99.5 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| ZNF711 | 100 | 99.8 |
| PCDH19 | 100 | 100 |
| TIMM8A | 100 | 100 |
| HNRNPH2 | 100 | 100 |
| TCEAL1 | 100 | 99.8 |
| PLP1 | 100 | 100 |
| PRPS1 | 100 | 100 |
| ACSL4 | 100 | 99.8 |
| AMMECR1 | 100 | 100 |
| PAK3 | 100 | 99.8 |
| DCX | 100 | 99.9 |
| ALG13 | 100 | 99.7 |
| CXorf56 | 100 | 100 |
| UBE2A | 100 | 100 |
| UPF3B | 100 | 88.8 |
| RNF113A | 100 | 100 |
| NDUFA1 | 100 | 100 |
| NKAP | 99.99 | 93.2 |
| LAMP2 | 100 | 100 |
| CUL4B | 100 | 98.2 |
| GRIA3 | 100 | 99.9 |
| THOC2 | 100 | 94.6 |
| STAG2 | 100 | 98.2 |
| SMARCA1 | 100 | 99 |
| EIF5A | 100 | 100 |
| POLR2A | 100 | 100 |
| MPDU1 | 100 | 100 |
| KDM6B | 99.93 | 97.6 |
| CHD3 | 98.47 | 96.4 |
| VAMP2 | 99.99 | 93.7 |
| TMEM107 | 100 | 100 |
| MYH10 | 100 | 100 |
| ASXL3 | 100 | 100 |
| SNAP29 | 100 | 100 |
| OCRL | 99.99 | 98.6 |
| ZDHHC9 | 100 | 100 |
| BCORL1 | 100 | 100 |
| AIFM1 | 100 | 100 |
| GPC4 | 100 | 100 |
| GPC3 | 100 | 100 |
| PHF6 | 100 | 97.6 |
| HPRT1 | 100 | 93.1 |
| SLC9A6 | 100 | 99.9 |
| FGF13 | 100 | 99.9 |
| SOX3 | 99.89 | 100 |
| SLITRK2 | 100 | 100 |
| FMR1 | 100 | 99.6 |
| AFF2 | 100 | 99.9 |
| IDS | 100 | 100 |
| GABRA3 | 100 | 99.9 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| NSDHL | 100 | 100 |
| SLC6A8 | 97.56 | 98.9 |
| MAPRE2 | 100 | 100 |
| ELP2 | 100 | 99.6 |
| SETBP1 | 99.96 | 99.3 |
| EPG5 | 100 | 100 |
| ATP5A1 | 99.99 | 100 |
| IER3IP1 | 100 | 100 |
| DYM | 100 | 100 |
| SMAD4 | 100 | 100 |
| DCC | 100 | 100 |
| TCF4 | 100 | 100 |
| NARS | 100 | 99.4 |
| NEDD4L | 100 | 98 |
| CCBE1 | 100 | 100 |
| PIGN | 100 | 98.6 |
| RTTN | 100 | 99.9 |
| ZNF407 | 100 | 100 |
| CTDP1 | 99.85 | 99.1 |
| POLRMT | 100 | 99.3 |
| NDUFS7 | 100 | 98.7 |
| GAMT | 100 | 100 |
| APC2 | 99.94 | 97 |
| ADAT3 | 100 | 99.9 |
| LMNB2 | 98.71 | 96.1 |
| DOHH | 100 | 100 |
| FZR1 | 100 | 100 |
| PIP5K1C | 99.81 | 94.7 |
| ZBTB7A | 99.26 | 98.3 |
| MAP2K2 | 99.97 | 100 |
| TAF8 | 100 | 100 |
| CNPY3 | 100 | 99.3 |
| PEX6 | 100 | 99.9 |
| PPP2R5D | 100 | 100 |
| POLR1C | 100 | 100 |
| GTPBP2 | 99.91 | 97.8 |
| TMEM63B | 100 | 100 |
| SLC35B2 | 99.97 | 98.9 |
| ACTB | 100 | 100 |
| TRPM3 | 100 | 100 |
| SPTBN2 | 100 | 99.9 |
| CHD8 | 100 | 100 |
| TMEM231 | 99.99 | 100 |
| SEMA6B | 100 | 99.3 |
| LZTR1 | 100 | 100 |
| MAPK1 | 99.99 | 100 |
| SMARCB1 | 100 | 100 |
| SPECC1L | 100 | 100 |
| UPB1 | 100 | 100 |
| MN1 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| AP1B1 | 99.99 | 100 |
| TCN2 | 100 | 100 |
| MORC2 | 100 | 100 |
| DRG1 | 100 | 100 |
| PISD | 100 | 100 |
| DEPDC5 | 100 | 100 |
| LARGE | 100 | 100 |
| SOX10 | 100 | 100 |
| AIMP2 | 100 | 100 |
| EIF2AK1 | 99.95 | 98.1 |
| RAC1 | 100 | 94.2 |
| TMEM106B | 100 | 99.7 |
| AGMO | 100 | 99 |
| ISPD | 100 | 100 |
| TWIST1 | 99.27 | 99.5 |
| FAM126A | 100 | 100 |
| KLHL7 | 100 | 100 |
| HOXA1 | 100 | 100 |
| BBS9 | 100 | 99.5 |
| VPS41 | 100 | 97.7 |
| RALA | 100 | 91.5 |
| CDK13 | 100 | 100 |
| MPLKIP | 100 | 99.2 |
| GLI3 | 100 | 100 |
| CAMK2B | 99.97 | 100 |
| OGDH | 100 | 100 |
| DDC | 100 | 99.5 |
| PSPH | 100 | 99.1 |
| CCT6A | 99.99 | 100 |
| GUSB | 100 | 100 |
| ASL | 100 | 100 |
| KCTD7 | 100 | 100 |
| SBDS | 100 | 100 |
| AUTS2 | 100 | 100 |
| STX1A | 99.6 | 94.6 |
| LIMK1 | 99.97 | 99.8 |
| RORB | 100 | 100 |
| HNRNPK | 100 | 99.4 |
| NTRK2 | 100 | 100 |
| AGTPBP1 | 100 | 98.2 |
| AUH | 100 | 98.8 |
| ROR2 | 100 | 100 |
| IARS | 100 | 100 |
| PTCH1 | 100 | 100 |
| ERCC6L2 | 100 | 100 |
| XPA | 100 | 99.5 |
| NANS | 100 | 100 |
| GABBR2 | 98.24 | 98.3 |
| ALG2 | 100 | 100 |
| SLC44A1 | 97.42 | 96.9 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| FKTN | 100 | 100 |
| ZNF462 | 100 | 100 |
| FRRS1L | 99.88 | 86.1 |
| TRIM32 | 100 | 100 |
| CDK5RAP2 | 100 | 99.8 |
| RABGAP1 | 100 | 100 |
| LHX2 | 99.96 | 100 |
| STXBP1 | 100 | 100 |
| DPM2 | 100 | 100 |
| DNM1 | 99.98 | 97 |
| COQ4 | 100 | 98.9 |
| SPTAN1 | 100 | 100 |
| SET | 100 | 100 |
| NUP188 | 100 | 100 |
| VPS37A | 100 | 99.5 |
| ASAH1 | 100 | 99.4 |
| ATP6V1B2 | 100 | 100 |
| LGI3 | 99.95 | 99.4 |
| SLC39A14 | 100 | 100 |
| RHOBTB2 | 100 | 100 |
| ESCO2 | 100 | 100 |
| EXTL3 | 100 | 100 |
| DOLK | 100 | 100 |
| KDM4B | 99.85 | 99.9 |
| C19orf70 | 100 | 100 |
| LONP1 | 100 | 98.9 |
| RFX2 | 100 | 100 |
| TUBB4A | 100 | 99.9 |
| MCOLN1 | 100 | 100 |
| PNPLA6 | 100 | 99.9 |
| PET100 | 100 | 100 |
| RAB11B | 100 | 100 |
| ZNF699 | 100 | 100 |
| SMARCA4 | 100 | 100 |
| DOCK6 | 99.78 | 99.8 |
| MAN2B1 | 100 | 99.9 |
| DHPS | 100 | 100 |
| TNPO2 | 100 | 100 |
| RNASEH2A | 100 | 100 |
| MAST1 | 100 | 100 |
| NFIX | 100 | 100 |
| TRMT1 | 100 | 100 |
| PPP2R4 | 100 | 100 |
| ASS1 | 100 | 100 |
| EXOSC2 | 100 | 100 |
| LAMC3 | 100 | 100 |
| NUP214 | 100 | 100 |
| POMT1 | 100 | 100 |
| MED27 | 100 | 100 |
| NTNG2 | 97.69 | 99.9 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| TSC1 | 100 | 100 |
| SURF1 | 97.97 | 94.8 |
| WDR5 | 100 | 100 |
| KCNT1 | 99.88 | 99 |
| CAMSAP1 | 98.48 | 99.2 |
| SNAPC4 | 99.99 | 100 |
| PMPCA | 100 | 100 |
| INPP5E | 100 | 100 |
| AGPAT2 | 100 | 100 |
| ABCA2 | 99.97 | 100 |
| MAN1B1 | 100 | 100 |
| GRIN1 | 100 | 100 |
| EHMT1 | 98.95 | 98.8 |
| CACNA1B | 99.33 | 98.3 |
| ZMYND11 | 100 | 100 |
| WDR37 | 100 | 100 |
| PITRM1 | 100 | 100 |
| CELF2 | 100 | 100 |
| DHTKD1 | 100 | 100 |
| SEPHS1 | 100 | 100 |
| PC | 100 | 100 |
| NDUFV1 | 100 | 100 |
| NDUFS8 | 100 | 100 |
| CHKA | 99.84 | 99.1 |
| SUV420H1 | 100 | 100 |
| SHANK2 | 100 | 100 |
| DHCR7 | 100 | 100 |
| FOLR1 | 100 | 100 |
| CLPB | 100 | 100 |
| PDE2A | 99.91 | 100 |
| C2CD3 | 100 | 100 |
| PGM2L1 | 99.77 | 99.4 |
| LIPT2 | 100 | 99.8 |
| PAK1 | 100 | 100 |
| ALG8 | 100 | 96.4 |
| NARS2 | 99.16 | 96.5 |
| EED | 100 | 100 |
| MED17 | 100 | 99.9 |
| CEP57 | 100 | 100 |
| CCDC82 | 100 | 100 |
| YAP1 | 100 | 99.3 |
| GRIA4 | 100 | 99.9 |
| ALKBH8 | 100 | 100 |
| ACAT1 | 100 | 99.2 |
| ALG9 | 100 | 99.7 |
| DLAT | 100 | 99.9 |
| PTS | 100 | 100 |
| ZBTB16 | 100 | 100 |
| FOXG1 | 98.02 | 99.2 |
| PRKD1 | 99.98 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| AP4S1 | 100 | 100 |
| NUBPL | 100 | 99.9 |
| SRP54 | 100 | 97.4 |
| KIAA0391 | 100 | 99.5 |
| RALGAPA1 | 100 | 92.5 |
| NKX2-1 | 100 | 100 |
| TRAPPC6B | 100 | 99.8 |
| FAM179B | 100 | 99.8 |
| MGAT2 | 100 | 100 |
| NEMF | 99.98 | 99.5 |
| SOS2 | 99.99 | 99 |
| L2HGDH | 100 | 99.7 |
| BMP4 | 100 | 100 |
| GCH1 | 100 | 92.7 |
| OTX2 | 100 | 100 |
| KIAA0586 | 95.43 | 99.8 |
| TRMT5 | 100 | 100 |
| KCNH5 | 100 | 99.9 |
| FUT8 | 100 | 100 |
| GPHN | 100 | 100 |
| PIGH | 100 | 100 |
| ZFYVE26 | 100 | 100 |
| SMOC1 | 100 | 99 |
| ABCD4 | 100 | 100 |
| NPC2 | 100 | 100 |
| ISCA2 | 100 | 100 |
| DDOST | 100 | 100 |
| CDC42 | 100 | 100 |
| KDM1A | 99.99 | 99.9 |
| HNRNPR | 100 | 100 |
| GALE | 100 | 100 |
| HMGCL | 100 | 100 |
| FUCA1 | 100 | 100 |
| DHDDS | 100 | 100 |
| ARID1A | 99.14 | 97.3 |
| PIGV | 100 | 100 |
| TMEM222 | 100 | 100 |
| AHDC1 | 99.84 | 99.3 |
| PUM1 | 100 | 100 |
| YARS | 100 | 100 |
| NCDN | 100 | 100 |
| AGO1 | 100 | 100 |
| ADPRHL2 | 99.89 | 100 |
| SNIP1 | 100 | 100 |
| MACF1 | 100 | 100 |
| TRIT1 | 100 | 100 |
| MFSD2A | 100 | 100 |
| PPT1 | 100 | 100 |
| RLF | 100 | 100 |
| CCDC23 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| SLC2A1 | 100 | 100 |
| SZT2 | 100 | 99.9 |
| ST3GAL3 | 100 | 100 |
| SLC6A9 | 100 | 100 |
| PAX8 | 100 | 100 |
| CCDC93 | 100 | 100 |
| GLI2 | 99.95 | 99.9 |
| RNU4ATAC | 100 | 0 |
| ERCC3 | 100 | 100 |
| SMPD4 | 100 | 100 |
| CCDC115 | 100 | 100 |
| TMEM163 | 98.16 | 91.7 |
| RAB3GAP1 | 100 | 100 |
| DARS | 100 | 97.2 |
| HNMT | 100 | 100 |
| ZEB2 | 100 | 100 |
| MBD5 | 100 | 100 |
| KIF5C | 100 | 99.4 |
| MMADHC | 100 | 99.5 |
| NR4A2 | 100 | 100 |
| BAZ2B | 99.99 | 97.9 |
| TBR1 | 100 | 100 |
| SLC4A10 | 100 | 100 |
| IFIH1 | 100 | 100 |
| SCN3A | 100 | 100 |
| SCN2A | 100 | 99.7 |
| SCN1A | 100 | 100 |
| LRP2 | 100 | 100 |
| BBS5 | 100 | 100 |
| METTL5 | 100 | 100 |
| GAD1 | 100 | 100 |
| DCAF17 | 100 | 100 |
| TRMT10A | 100 | 100 |
| PPP3CA | 100 | 100 |
| SLC39A8 | 100 | 100 |
| MANBA | 100 | 100 |
| TBCK | 100 | 96 |
| AIMP1 | 100 | 99.2 |
| CYP2U1 | 100 | 99.7 |
| HADH | 100 | 100 |
| LARP7 | 99.99 | 97.4 |
| ANK2 | 100 | 100 |
| CAMK2D | 99.97 | 100 |
| PRSS12 | 100 | 100 |
| EXOSC9 | 99.21 | 92.2 |
| BBS7 | 100 | 99.5 |
| KIAA1109 | 100 | 100 |
| BBS12 | 100 | 100 |
| SPATA5 | 100 | 100 |
| FAT4 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| PLK4 | 100 | 100 |
| MFSD8 | 100 | 100 |
| NAA15 | 100 | 100 |
| SMARCA5 | 99.99 | 99.8 |
| MMAA | 100 | 100 |
| MAB21L2 | 100 | 100 |
| FBXW7 | 100 | 100 |
| GRIA2 | 100 | 99.7 |
| MSMO1 | 100 | 100 |
| CPE | 99.97 | 96.1 |
| KARS | 100 | 100 |
| WWOX | 100 | 100 |
| MAF | 88.37 | 86.8 |
| GCSH | 81.57 | 99.4 |
| MLYCD | 100 | 99.9 |
| TAF1C | 100 | 100 |
| FBXO31 | 99.97 | 99.8 |
| CA5A | 100 | 100 |
| CTU2 | 99.95 | 96.9 |
| TRAPPC2L | 100 | 100 |
| ACSF3 | 100 | 100 |
| CDH15 | 99.99 | 99.1 |
| ANKRD11 | 100 | 100 |
| CHMP1A | 100 | 100 |
| CDK10 | 100 | 100 |
| TUBB3 | 100 | 99.8 |
| VPS53 | 100 | 100 |
| GEMIN4 | 100 | 100 |
| YWHAE | 100 | 94.5 |
| INPP5K | 100 | 100 |
| PRPF8 | 100 | 100 |
| WDR81 | 100 | 100 |
| DPH1 | 100 | 100 |
| PAFAH1B1 | 100 | 94.7 |
| ASPA | 100 | 100 |
| KIAA0753 | 100 | 100 |
| SLC13A5 | 100 | 100 |
| DLG4 | 100 | 100 |
| PDZD8 | 100 | 100 |
| EMX2 | 100 | 99.6 |
| SFXN4 | 100 | 99.9 |
| WDR11 | 100 | 100 |
| FGFR2 | 100 | 100 |
| ACADSB | 100 | 100 |
| EBF3 | 99.88 | 98.8 |
| NKX6-2 | 99.96 | 99.9 |
| UBE4A | 100 | 99.9 |
| EIF2B2 | 100 | 99.9 |
| FLVCR2 | 100 | 100 |
| IRF2BPL | 98.67 | 99.2 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| POMT2 | 100 | 100 |
| GALC | 100 | 99.8 |
| ZC3H14 | 100 | 100 |
| TTC8 | 100 | 96 |
| CCDC88C | 100 | 100 |
| UBR7 | 100 | 99 |
| UNC79 | 100 | 100 |
| VRK1 | 100 | 100 |
| BCL11B | 99.52 | 99.8 |
| EML1 | 99.92 | 99.9 |
| YY1 | 100 | 100 |
| WARS | 100 | 100 |
| DYNC1H1 | 100 | 100 |
| TECPR2 | 100 | 100 |
| CDC42BPB | 100 | 98 |
| APOPT1 | 100 | 100 |
| KMT2A | 99.63 | 99.6 |
| ARCN1 | 100 | 100 |
| DDX6 | 100 | 100 |
| TRAPPC4 | 100 | 100 |
| VPS11 | 100 | 100 |
| DPAGT1 | 100 | 100 |
| CBL | 100 | 100 |
| SC5D | 100 | 100 |
| ESAM | 100 | 99.9 |
| HEPACAM | 99.99 | 99.9 |
| TMEM218 | 100 | 100 |
| STT3A | 100 | 100 |
| PUS3 | 100 | 100 |
| CDON | 100 | 100 |
| FOXRED1 | 100 | 100 |
| DCPS | 100 | 100 |
| KIRREL3 | 100 | 100 |
| JAM3 | 100 | 100 |
| KDM5A | 100 | 99.8 |
| CACNA1C | 100 | 100 |
| CCND2 | 100 | 100 |
| C12orf4 | 100 | 99.3 |
| KCNA1 | 100 | 100 |
| CHD4 | 100 | 100 |
| TPI1 | 100 | 99.8 |
| ATN1 | 100 | 100 |
| C12orf57 | 100 | 100 |
| EMG1 | 100 | 100 |
| RNF220 | 99.95 | 99.8 |
| DYNC1I2 | 99.99 | 100 |
| CLCN3 | 100 | 100 |
| AGA | 100 | 100 |
| TRAPPC11 | 100 | 99.3 |
| UFSP2 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| SLC6A19 | 100 | 99 |
| SLC6A3 | 100 | 100 |
| NSUN2 | 100 | 98.7 |
| MTRR | 100 | 100 |
| CCT5 | 100 | 100 |
| CTNND2 | 98.15 | 96.9 |
| TRIO | 99.16 | 99 |
| ANKH | 100 | 100 |
| LMBRD2 | 99.98 | 95.3 |
| NIPBL | 99.88 | 98.8 |
| C5orf42 | 100 | 99 |
| HCN1 | 100 | 100 |
| MOCS2 | 100 | 100 |
| NDUFS4 | 100 | 100 |
| PDE4D | 99.61 | 99.6 |
| EIF2B3 | 100 | 100 |
| HPDL | 100 | 100 |
| TOE1 | 100 | 100 |
| MMACHC | 100 | 100 |
| POMGNT1 | 100 | 100 |
| STIL | 100 | 100 |
| ORC1 | 100 | 100 |
| PARS2 | 100 | 100 |
| DHCR24 | 100 | 100 |
| NFIA | 100 | 97.3 |
| DOCK7 | 100 | 99.1 |
| ALG6 | 100 | 98.9 |
| CACHD1 | 100 | 100 |
| ACADM | 100 | 99.3 |
| PIGK | 100 | 100 |
| PRKACB | 99.88 | 91.2 |
| HS2ST1 | 100 | 100 |
| DPYD | 100 | 96.1 |
| SLC35A3 | 100 | 100 |
| SASS6 | 100 | 85.6 |
| DBT | 100 | 99.7 |
| DPH5 | 100 | 100 |
| RNPC3 | 100 | 96.8 |
| GPSM2 | 100 | 100 |
| TAF13 | 100 | 100 |
| SARS | 100 | 100 |
| AMPD2 | 100 | 100 |
| SLC6A17 | 100 | 100 |
| SLC25A12 | 100 | 100 |
| KIAA1715 | 96.72 | 94.2 |
| AGPS | 100 | 95.6 |
| NCKAP1 | 100 | 97 |
| HIBCH | 100 | 99.1 |
| GLS | 100 | 100 |
| HECW2 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| PGAP1 | 100 | 96.9 |
| HSPD1 | 100 | 100 |
| SATB2 | 100 | 99.5 |
| C2orf69 | 100 | 99.9 |
| TMEM237 | 100 | 100 |
| NDUFS1 | 100 | 100 |
| EEF1B2 | 100 | 100 |
| FASTKD2 | 100 | 100 |
| UNC80 | 100 | 100 |
| CPS1 | 100 | 100 |
| ATIC | 100 | 100 |
| RQCD1 | 94.36 | 100 |
| ZNF142 | 100 | 100 |
| BCS1L | 100 | 100 |
| GMPPA | 100 | 100 |
| CUL3 | 100 | 100 |
| MFF | 100 | 100 |
| SLC19A3 | 100 | 100 |
| TRIP12 | 100 | 100 |
| ARMC9 | 100 | 100 |
| PDE6D | 100 | 100 |
| CAD | 100 | 100 |
| EIF2B4 | 100 | 100 |
| IFT172 | 100 | 100 |
| FOSL2 | 100 | 100 |
| PPP1CB | 100 | 100 |
| SPAST | 100 | 100 |
| EIF2AK2 | 98.62 | 99.4 |
| SOS1 | 100 | 98.8 |
| LRPPRC | 100 | 99.8 |
| PREPL | 100 | 100 |
| SIX3 | 100 | 99.8 |
| PIGF | 100 | 87.2 |
| CRIPT | 100 | 99.9 |
| FBXO11 | 100 | 99.7 |
| PPP1R21 | 100 | 100 |
| NRXN1 | 99.11 | 100 |
| SPTBN1 | 100 | 100 |
| DIS3L2 | 100 | 100 |
| ERCC8 | 100 | 100 |
| MDH2 | 100 | 99.9 |
| CUBN | 100 | 100 |
| PEX5 | 100 | 100 |
| KIF26A | 99.97 | 98.8 |
| BRF1 | 100 | 99.5 |
| PACS2 | 99.32 | 97.7 |
| MAGEL2 | 100 | 100 |
| UBE3A | 100 | 100 |
| GABRB3 | 100 | 100 |
| HDAC4 | 100 | 97.4 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| KIF1A | 100 | 100 |
| DTYMK | 100 | 100 |
| D2HGDH | 100 | 100 |
| TRNT1 | 100 | 91 |
| CRBN | 100 | 98.1 |
| SUMF1 | 100 | 100 |
| ITPR1 | 100 | 100 |
| GRM7 | 100 | 100 |
| SETD5 | 100 | 100 |
| BRPF1 | 100 | 100 |
| ARPC4 | 100 | 100 |
| CRELD1 | 100 | 99 |
| FANCD2 | 100 | 100 |
| SLC6A1 | 100 | 99.7 |
| ATG7 | 100 | 100 |
| TSEN2 | 100 | 100 |
| RAF1 | 100 | 100 |
| IQSEC1 | 100 | 100 |
| CCDC174 | 100 | 95 |
| BTD | 100 | 100 |
| SATB1 | 100 | 100 |
| THRB | 100 | 100 |
| RARB | 99.98 | 100 |
| NGLY1 | 100 | 100 |
| GLB1 | 100 | 100 |
| CTNNB1 | 100 | 100 |
| TRAK1 | 100 | 100 |
| NDUFAF2 | 100 | 99.3 |
| ZSWIM6 | 95.4 | 96.2 |
| KIF2A | 100 | 99.2 |
| CWC27 | 99.07 | 87.9 |
| PIK3R1 | 100 | 100 |
| OCLN | 92.62 | 84.8 |
| MCCC2 | 100 | 99.8 |
| MAP1B | 100 | 99.6 |
| HEXB | 100 | 98.6 |
| GFM2 | 100 | 100 |
| COL4A3BP | 100 | 99.6 |
| AP3B1 | 100 | 97.2 |
| DHFR | 100 | 98.5 |
| XRCC4 | 100 | 100 |
| MEF2C | 100 | 100 |
| NR2F1 | 96.89 | 98.7 |
| TTC37 | 100 | 100 |
| CHD1 | 100 | 95.6 |
| SLC25A46 | 100 | 98.2 |
| CAMK4 | 100 | 100 |
| KCNN2 | 100 | 100 |
| HSD17B4 | 100 | 95.3 |
| CEP120 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| ALDH7A1 | 100 | 100 |
| LMNB1 | 100 | 99.9 |
| SLC12A2 | 100 | 98.4 |
| LYRM7 | 100 | 93.2 |
| AFF4 | 100 | 99.9 |
| YWHAG | 100 | 100 |
| GNAI1 | 100 | 100 |
| CACNA2D1 | 99.47 | 94.8 |
| PCLO | 99.96 | 99.9 |
| ADAM22 | 100 | 100 |
| PEX1 | 100 | 96.6 |
| SAMD9 | 100 | 100 |
| ASNS | 100 | 100 |
| TRRAP | 99.86 | 99.7 |
| AP4M1 | 100 | 100 |
| TAF6 | 100 | 100 |
| ACTL6B | 100 | 100 |
| GNB2 | 100 | 100 |
| SLC12A9 | 100 | 99.9 |
| AP1S1 | 100 | 100 |
| CUX1 | 99.2 | 97.6 |
| PMPCB | 100 | 100 |
| RELN | 100 | 100 |
| KMT2E | 100 | 99.9 |
| PUS7 | 100 | 100 |
| COG5 | 100 | 98.8 |
| DLD | 100 | 100 |
| LAMB1 | 100 | 100 |
| NRCAM | 100 | 100 |
| FOXP2 | 100 | 100 |
| CAPZA2 | 99.99 | 94.5 |
| KCND2 | 100 | 100 |
| AASS | 100 | 99.9 |
| NSUN6 | 100 | 100 |
| PTF1A | 99.87 | 99.8 |
| PDSS1 | 95.93 | 95.2 |
| RAB18 | 100 | 99.7 |
| WAC | 99.87 | 99.1 |
| HNRNPF | 100 | 100 |
| ERCC6 | 100 | 100 |
| OGDHL | 100 | 100 |
| ANK3 | 100 | 100 |
| DNAJC12 | 100 | 100 |
| KIAA1279 | 100 | 100 |
| HK1 | 100 | 100 |
| SGPL1 | 100 | 100 |
| PSAP | 97.89 | 100 |
| MICU1 | 100 | 100 |
| FAM149B1 | 100 | 100 |
| CAMK2G | 99.96 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| ADK | 100 | 99.9 |
| KAT6B | 100 | 99.5 |
| KCNMA1 | 100 | 99.9 |
| POLR3A | 100 | 100 |
| ZMIZ1 | 100 | 96.6 |
| MAT1A | 100 | 100 |
| MINPP1 | 100 | 99.8 |
| PTEN | 100 | 100 |
| KIF11 | 100 | 99.9 |
| CEP55 | 100 | 99.9 |
| FRA10AC1 | 99.44 | 88.7 |
| CLCN2 | 100 | 100 |
| TRA2B | 100 | 100 |
| EIF4A2 | 100 | 100 |
| MASP1 | 100 | 100 |
| FGF12 | 100 | 100 |
| NRROS | 100 | 100 |
| PIGG | 100 | 100 |
| CPLX1 | 99.89 | 94.6 |
| PPP2CA | 99.96 | 100 |
| RBM28 | 100 | 100 |
| ALDH18A1 | 100 | 100 |
| NECAP1 | 100 | 100 |
| GRIN2B | 100 | 100 |
| MGP | 100 | 92.4 |
| ABCC9 | 100 | 100 |
| SOX5 | 100 | 100 |
| KRAS | 100 | 100 |
| PPFIBP1 | 99.99 | 100 |
| IPO8 | 99.97 | 99.8 |
| DDX11 | 98.83 | 100 |
| DENND5B | 99.96 | 97.9 |
| DNM1L | 100 | 100 |
| ARID2 | 100 | 100 |
| DDX23 | 100 | 100 |
| ARF3 | 100 | 100 |
| WNT1 | 100 | 100 |
| KMT2D | 100 | 100 |
| TUBA1A | 100 | 100 |
| TXNDC15 | 100 | 100 |
| NEUROG1 | 100 | 100 |
| KDM3B | 99.68 | 98.8 |
| SIL1 | 100 | 100 |
| PURA | 99.97 | 100 |
| NDUFA2 | 100 | 100 |
| PCDHGC4 | 100 | 100 |
| DIAPH1 | 99.01 | 99.7 |
| PCDH12 | 100 | 100 |
| YIPF5 | 99.98 | 100 |
| CSF1R | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| PDGFRB | 100 | 100 |
| CAMK2A | 100 | 100 |
| NDST1 | 100 | 100 |
| GM2A | 100 | 100 |
| GRIA1 | 100 | 100 |
| GEMIN5 | 100 | 100 |
| CYFIP2 | 100 | 100 |
| THG1L | 100 | 100 |
| GABRB2 | 100 | 100 |
| GABRA1 | 100 | 100 |
| GABRG2 | 92.79 | 100 |
| RARS | 99.99 | 99.9 |
| FBXW11 | 100 | 100 |
| NSD1 | 100 | 100 |
| B4GALT7 | 99.78 | 99.8 |
| HNRNPAB | 100 | 95.1 |
| HNRNPH1 | 100 | 100 |
| KCNA2 | 100 | 100 |
| ZBTB47 | 100 | 99.6 |
| TUBB2A | 100 | 100 |
| ENTPD1 | 100 | 100 |
| COX15 | 100 | 100 |
| CWF19L1 | 100 | 99.9 |
| FAM178A | 100 | 99.9 |
| C10orf2 | 100 | 100 |
| SUFU | 100 | 100 |
| TRIM8 | 100 | 100 |
| ARL3 | 100 | 91.9 |
| CNNM2 | 100 | 100 |
| NT5C2 | 100 | 99 |
| ADD3 | 100 | 100 |
| SMC3 | 100 | 99.5 |
| SHOC2 | 100 | 100 |
| TCF7L2 | 100 | 99.2 |
| NHLRC2 | 100 | 100 |
| SLC18A2 | 100 | 100 |
| KCNA3 | 99.97 | 100 |
| KCND3 | 100 | 100 |
| AP4B1 | 100 | 100 |
| NRAS | 100 | 100 |
| CSDE1 | 100 | 100 |
| TSHB | 100 | 100 |
| ATP1A1 | 100 | 100 |
| WARS2 | 100 | 100 |
| PHGDH | 100 | 100 |
| PEX11B | 100 | 100 |
| TARS2 | 100 | 100 |
| PRUNE | 100 | 100 |
| POGZ | 100 | 100 |
| SNX27 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| GATAD2B | 100 | 100 |
| UBAP2L | 100 | 100 |
| HAX1 | 100 | 100 |
| ADAR | 100 | 100 |
| KCNN3 | 100 | 100 |
| ASH1L | 100 | 100 |
| RIT1 | 100 | 100 |
| CCT3 | 100 | 100 |
| APOA1BP | 100 | 100 |
| NTRK1 | 100 | 100 |
| KCNJ10 | 100 | 100 |
| ATP1A2 | 100 | 100 |
| PEX19 | 100 | 100 |
| UFC1 | 100 | 100 |
| POMGNT2 | 100 | 100 |
| ABHD5 | 100 | 100 |
| LZTFL1 | 100 | 93.4 |
| SETD2 | 100 | 99.7 |
| PTPN23 | 100 | 100 |
| DHX30 | 100 | 100 |
| TREX1 | 100 | 100 |
| P4HTM | 99.81 | 99.2 |
| NDUFAF3 | 100 | 100 |
| QRICH1 | 100 | 100 |
| QARS | 100 | 100 |
| AMT | 100 | 100 |
| DAG1 | 100 | 100 |
| GMPPB | 100 | 100 |
| TRAIP | 100 | 100 |
| SLC38A3 | 100 | 100 |
| NPRL2 | 100 | 100 |
| CACNA2D2 | 99.67 | 96.9 |
| DOCK3 | 99.99 | 100 |
| ACY1 | 100 | 100 |
| POC1A | 100 | 100 |
| GLYCTK | 100 | 100 |
| BAP1 | 100 | 100 |
| RFT1 | 100 | 100 |
| TKT | 97.44 | 97.4 |
| CACNA1D | 100 | 100 |
| HESX1 | 100 | 98.6 |
| PRICKLE2 | 100 | 100 |
| NDUFS2 | 100 | 100 |
| FOXP1 | 100 | 100 |
| CEP41 | 100 | 100 |
| BRAF | 100 | 99.1 |
| CASP2 | 100 | 100 |
| TPK1 | 100 | 100 |
| CNTNAP2 | 100 | 100 |
| EZH2 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| RHEB | 100 | 90.6 |
| KMT2C | 99.97 | 99.4 |
| DPP6 | 99.67 | 98.9 |
| SHH | 99.74 | 99.1 |
| UBE3C | 100 | 100 |
| NCAPG2 | 100 | 99.6 |
| CLN8 | 100 | 100 |
| CSMD1 | 100 | 100 |
| MCPH1 | 100 | 99.7 |
| ERI1 | 99.53 | 100 |
| FDFT1 | 100 | 98.4 |
| TUSC3 | 100 | 100 |
| PBX1 | 100 | 100 |
| TMCO1 | 100 | 99.3 |
| PIGC | 100 | 100 |
| KLHL20 | 100 | 100 |
| DARS2 | 100 | 100 |
| TNR | 100 | 100 |
| TOR1AIP1 | 100 | 99.8 |
| ACBD6 | 100 | 99.6 |
| CACNA1E | 100 | 100 |
| GLUL | 100 | 100 |
| DHX9 | 100 | 100 |
| TSEN15 | 99.99 | 100 |
| EDEM3 | 99.92 | 96.1 |
| KCNT2 | 100 | 97.2 |
| ASPM | 100 | 99.4 |
| KIF14 | 100 | 97.7 |
| DDX59 | 100 | 100 |
| KIF21B | 100 | 99.4 |
| KDM5B | 100 | 100 |
| PPP1R15B | 100 | 100 |
| NFASC | 100 | 100 |
| KCNH1 | 100 | 100 |
| FLVCR1 | 100 | 99.9 |
| CENPF | 100 | 100 |
| EPRS | 100 | 100 |
| RAB3GAP2 | 100 | 99.4 |
| FBXO28 | 100 | 99.7 |
| DEGS1 | 99.97 | 100 |
| SHQ1 | 100 | 100 |
| ROBO1 | 100 | 100 |
| ARL13B | 100 | 100 |
| ARL6 | 100 | 100 |
| TBC1D23 | 100 | 99.1 |
| ZBTB11 | 100 | 100 |
| ATP6V1A | 100 | 99.9 |
| ZBTB20 | 100 | 100 |
| ARHGAP31 | 100 | 100 |
| TIMMDC1 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| UMPS | 100 | 100 |
| ZNF148 | 100 | 100 |
| UROC1 | 100 | 100 |
| PLXNA1 | 100 | 100 |
| ACAD9 | 100 | 100 |
| UBA5 | 99.97 | 99.5 |
| MSL2 | 100 | 100 |
| PCCB | 95.8 | 100 |
| STAG1 | 100 | 98 |
| MRAS | 100 | 100 |
| MRPS22 | 100 | 99.8 |
| COPB2 | 100 | 99.6 |
| ATR | 100 | 99.9 |
| ZIC1 | 100 | 99.8 |
| RNF13 | 99.99 | 99.8 |
| MED12L | 99.94 | 100 |
| DHX36 | 99.98 | 99.7 |
| PLCH1 | 100 | 99.9 |
| TUBB2B | 100 | 100 |
| FARS2 | 100 | 100 |
| TFAP2A | 100 | 100 |
| PHACTR1 | 99.99 | 99.7 |
| TBC1D7 | 100 | 100 |
| JARID2 | 100 | 100 |
| SOX4 | 99.01 | 98.2 |
| ALDH5A1 | 100 | 99.8 |
| TDP2 | 100 | 100 |
| GMNN | 100 | 96.4 |
| HIST1H4C | 100 | 100 |
| HIST1H1E | 100 | 99.9 |
| HIST1H4E | 100 | 100 |
| HIST1H4F | 100 | 100 |
| HIST1H4I | 100 | 100 |
| GABBR1 | 100 | 100 |
| DHX16 | 100 | 100 |
| TUBB | 98.77 | 100 |
| VARS2 | 100 | 96.9 |
| CSNK2B | 100 | 100 |
| ABHD16A | 100 | 100 |
| VARS | 100 | 100 |
| NEU1 | 100 | 100 |
| SYNGAP1 | 99.17 | 97.8 |
| UQCC2 | 100 | 100 |
| PPIL1 | 100 | 100 |
| MOCS1 | 100 | 100 |
| FOXP4 | 99.36 | 99.3 |
| WDR26 | 100 | 100 |
| SLC33A1 | 100 | 100 |
| RSRC1 | 100 | 98.5 |
| GFM1 | 100 | 100 |

| Gennaam | CreV4 (15X) | SSv7 (15X) |
|---|---|---|
| CLDN11 | 100 | 100 |
| TNIK | 100 | 99.9 |
| TBL1XR1 | 100 | 100 |
| PIK3CA | 100 | 100 |
| ACTL6A | 100 | 100 |
| DNAJC19 | 100 | 100 |
| SOX2 | 99.99 | 99.8 |
| MCCC1 | 100 | 100 |
| EIF2B5 | 100 | 100 |
| AP2M1 | 100 | 100 |
| ALG3 | 100 | 100 |
| TMEM63A | 99.99 | 100 |
| PYCR2 | 100 | 100 |
| H3F3A | 99.95 | 100 |
| ADCK3 | 100 | 100 |
| ARF1 | 100 | 100 |
| GJC2 | 99.04 | 98.3 |
| IBA57 | 100 | 99.8 |
| GALNT2 | 100 | 99.9 |
| ARV1 | 100 | 100 |
| GNPAT | 100 | 99.7 |
| TBCE | 100 | 100 |
| B3GALNT2 | 99.99 | 100 |
| LYST | 100 | 99.8 |
| MTR | 100 | 100 |
| FMN2 | 96.8 | 91.4 |
| FH | 100 | 100 |
| SDCCAG8 | 100 | 100 |
| AKT3 | 100 | 100 |
| ZBTB18 | 99.85 | 99.9 |
| HNRNPU | 100 | 98.7 |
| MYT1L | 100 | 100 |
| TRAPPC12 | 100 | 100 |
| COLEC11 | 100 | 100 |
| SOX11 | 100 | 100 |
| KIDINS220 | 100 | 100 |
| ODC1 | 100 | 100 |
| MYCN | 99.48 | 99 |
| PTRHD1 | 100 | 100 |
| DNMT3A | 100 | 100 |
| ASXL2 | 100 | 98.5 |
| HADHA | 100 | 100 |
| DPYSL5 | 100 | 100 |