

# Nierziekten

Erfelijke nierziekte (incl. niertumoren). NB: MUC1 VNTR Cytosine insertie doorgaans niet aantoonbaar.

495

NEF00v21.1

**Gennaam** **CreV4 (15X)** **SSv7 (15X)**

|          |      |      |
|----------|------|------|
| NRAS     | 100  | 100  |
| NGF      | 100  | 100  |
| ATP1A1   | 100  | 100  |
| NOTCH2   | 100  | 99.5 |
| RBM8A    | 100  | 100  |
| CHD1L    | 100  | 100  |
| MUC1     | 96.2 | 96.2 |
| LMNA     | 100  | 100  |
| KIRREL   | 100  | 99   |
| KCNJ10   | 100  | 100  |
| HSPA6    | 100  | 99   |
| NOS1AP   | 100  | 99.8 |
| PBX1     | 100  | 100  |
| ADCY10   | 100  | 100  |
| SLC19A2  | 100  | 100  |
| NPHS2    | 100  | 97.1 |
| CDC73    | 100  | 100  |
| CFH      | 100  | 98.4 |
| CFHR3    | 91.9 | 84.7 |
| CFHR1    | 86.5 | 87.4 |
| CFHR2    | 91   | 90.8 |
| CEP104   | 100  | 100  |
| NPHP4    | 100  | 100  |
| RERE     | 100  | 99.9 |
| CLCNKA   | 100  | 99.8 |
| CLCNKB   | 100  | 100  |
| SDHB     | 100  | 100  |
| ALPL     | 100  | 100  |
| WNT4     | 98.9 | 91.3 |
| CCDC28B  | 100  | 100  |
| YRDC     | 99.3 | 87.3 |
| ZMPSTE24 | 100  | 100  |
| CLDN19   | 100  | 100  |
| MMACHC   | 100  | 100  |
| PRDX1    | 100  | 100  |
| CPT2     | 100  | 99.7 |
| BSND     | 100  | 100  |
| KANK4    | 100  | 100  |
| ALG6     | 100  | 98.9 |
| LRIG2    | 100  | 100  |
| CFHR4    | 99.5 | 92.4 |
| CFHR5    | 100  | 99.6 |
| KIF14    | 100  | 97.7 |
| DDX59    | 100  | 100  |

**Gennaam CreV4 (15X) SSv7 (15X)**

|          |      |      |
|----------|------|------|
| CACNA1S  | 100  | 100  |
| LMOD1    | 100  | 100  |
| REN      | 100  | 100  |
| DSTYK    | 100  | 100  |
| SLC41A1  | 100  | 100  |
| CD46     | 100  | 100  |
| CENPF    | 100  | 100  |
| KCTD3    | 100  | 99.7 |
| ADCK3    | 100  | 100  |
| NUP133   | 100  | 99.6 |
| AGT      | 100  | 100  |
| EXOC8    | 100  | 100  |
| MTR      | 100  | 100  |
| CHRM3    | 100  | 100  |
| FH       | 100  | 100  |
| SDCCAG8  | 100  | 100  |
| WDR35    | 100  | 99   |
| ITSN2    | 100  | 97.9 |
| IFT172   | 100  | 100  |
| XDH      | 100  | 100  |
| HAAO     | 100  | 100  |
| DYNC2LI1 | 100  | 100  |
| SLC3A1   | 100  | 100  |
| SIX2     | 100  | 100  |
| EPCAM    | 100  | 100  |
| WDPCP    | 100  | 98.8 |
| ATP6V1B1 | 100  | 100  |
| ALMS1    | 100  | 99.9 |
| TPRKB    | 100  | 92.7 |
| ACTG2    | 100  | 100  |
| FAHD2A   | 100  | 100  |
| NPHP1    | 100  | 96.6 |
| PAX8     | 100  | 100  |
| KYNU     | 100  | 100  |
| ZEB2     | 100  | 100  |
| GALNT3   | 100  | 100  |
| TTC21B   | 100  | 100  |
| LRP2     | 100  | 100  |
| BBS5     | 100  | 100  |
| HOXD13   | 100  | 99.8 |
| MTX2     | 100  | 100  |
| TMEM237  | 100  | 100  |
| BMPR2    | 100  | 100  |
| FN1      | 100  | 100  |
| SMARCAL1 | 100  | 100  |
| BCS1L    | 100  | 100  |
| CUL3     | 100  | 100  |
| COL4A4   | 99.8 | 99.8 |
| COL4A3   | 100  | 98.7 |
| ARMC9    | 100  | 100  |

**Gennaam CreV4 (15X) SSv7 (15X)**

|          |      |      |
|----------|------|------|
| PDE6D    | 100  | 100  |
| TRAF3IP1 | 100  | 99.9 |
| AGXT     | 100  | 100  |
| VHL      | 100  | 100  |
| SCN11A   | 99.9 | 99.9 |
| SLC6A20  | 100  | 100  |
| LZTFL1   | 100  | 93.4 |
| PTH1R    | 100  | 100  |
| LAMB2    | 100  | 100  |
| CACNA1D  | 100  | 100  |
| ADAMTS9  | 99.9 | 99   |
| ROBO2    | 100  | 100  |
| ROBO1    | 100  | 100  |
| ARL13B   | 100  | 100  |
| ARL6     | 100  | 100  |
| IFT57    | 99.8 | 99.8 |
| IQCB1    | 100  | 100  |
| CASR     | 100  | 100  |
| MYLK     | 100  | 100  |
| SEC61A1  | 100  | 100  |
| IFT122   | 100  | 100  |
| NPHP3    | 100  | 98.4 |
| DZIP1L   | 100  | 99.9 |
| AGTR1    | 100  | 100  |
| IFT80    | 100  | 99.2 |
| SLC2A2   | 100  | 100  |
| NAALADL2 | 100  | 100  |
| CLCN2    | 100  | 100  |
| EHHADH   | 100  | 100  |
| DNAJB11  | 100  | 100  |
| LPP      | 100  | 100  |
| TP63     | 100  | 100  |
| CLDN16   | 100  | 100  |
| IL1RAP   | 100  | 100  |
| TCTEX1D2 | 100  | 100  |
| SLC26A1  | 100  | 100  |
| EVC2     | 100  | 100  |
| EVC      | 99.4 | 95.4 |
| SLC2A9   | 100  | 99.8 |
| CC2D2A   | 100  | 99.8 |
| SLIT2    | 100  | 100  |
| TBC1D1   | 100  | 100  |
| WDR19    | 100  | 99.9 |
| SLC4A4   | 100  | 100  |
| SCARB2   | 100  | 100  |
| FRAS1    | 100  | 100  |
| COQ2     | 100  | 99.6 |
| ARHGAP24 | 100  | 100  |
| DMP1     | 100  | 100  |
| PKD2     | 100  | 100  |

**Gennaam CreV4 (15X) SSv7 (15X)**

|         |      |      |
|---------|------|------|
| NPNT    | 100  | 98.1 |
| CFI     | 100  | 97.5 |
| EGF     | 100  | 100  |
| BBS7    | 100  | 99.5 |
| BBS12   | 100  | 100  |
| INTU    | 100  | 100  |
| SCLT1   | 100  | 95.7 |
| NR3C2   | 100  | 100  |
| FGA     | 100  | 99.9 |
| NEK1    | 100  | 98   |
| FAT1    | 100  | 100  |
| SLC9A3  | 99.9 | 99.3 |
| SLC6A19 | 100  | 99   |
| MTRR    | 100  | 100  |
| FAM134B | 100  | 98.8 |
| C5orf42 | 100  | 99   |
| GDNF    | 100  | 99.9 |
| RICTOR  | 100  | 98.4 |
| ISL1    | 100  | 100  |
| ERCC8   | 100  | 100  |
| CEP120  | 100  | 100  |
| TXNDC15 | 100  | 100  |
| KLHL3   | 100  | 100  |
| NR3C1   | 100  | 100  |
| SYNPO   | 100  | 100  |
| SLC36A2 | 100  | 100  |
| SLIT3   | 100  | 99.6 |
| FOXI1   | 100  | 100  |
| SLC34A1 | 100  | 100  |
| E2F3    | 100  | 97.7 |
| DCDC2   | 100  | 99.8 |
| NEU1    | 100  | 100  |
| CFB     | 100  | 100  |
| TNXB    | 97   | 95.8 |
| UQCC2   | 100  | 100  |
| DAAM2   | 100  | 100  |
| XPO5    | 100  | 100  |
| CD2AP   | 100  | 100  |
| PKHD1   | 100  | 100  |
| ICK     | 100  | 100  |
| DST     | 100  | 100  |
| TBX18   | 100  | 99.9 |
| RRAGD   | 100  | 98.5 |
| FBXL4   | 100  | 100  |
| PDSS2   | 100  | 99.7 |
| SEC63   | 100  | 100  |
| ENPP1   | 98.8 | 92.4 |
| AHI1    | 100  | 100  |
| RMND1   | 100  | 97.7 |
| FAM20C  | 100  | 99.4 |

**Gennaam CreV4 (15X) SSv7 (15X)**

|          |      |      |
|----------|------|------|
| SKAP2    | 100  | 98   |
| HOXA10   | 100  | 100  |
| HOXA13   | 94.9 | 88.8 |
| EVX1     | 100  | 99.3 |
| BBS9     | 100  | 99.5 |
| ANLN     | 100  | 99.8 |
| GLI3     | 100  | 100  |
| MAGI2    | 96.3 | 95.7 |
| CYP3A4   | 100  | 100  |
| SLC26A3  | 100  | 100  |
| DOCK4    | 100  | 99.9 |
| MET      | 100  | 100  |
| CEP41    | 100  | 100  |
| PODXL    | 93.3 | 99.8 |
| NUP205   | 100  | 100  |
| ATP6V0A4 | 100  | 100  |
| AGK      | 100  | 100  |
| NCAPG2   | 100  | 99.6 |
| WDR60    | 100  | 99.6 |
| DLC1     | 100  | 99.9 |
| FGF20    | 100  | 99.8 |
| PCM1     | 100  | 99.8 |
| FGFR1    | 100  | 100  |
| SOX17    | 100  | 100  |
| CHD7     | 100  | 99.9 |
| CSPP1    | 100  | 98.3 |
| EYA1     | 100  | 100  |
| CA2      | 100  | 100  |
| TMEM67   | 100  | 99.6 |
| C8orf37  | 100  | 100  |
| GDF6     | 100  | 100  |
| RRM2B    | 100  | 100  |
| CYP11B1  | 100  | 100  |
| CYP11B2  | 100  | 100  |
| DGAT1    | 100  | 93   |
| CBWD1    | 80.4 | 87   |
| KANK1    | 100  | 100  |
| GLIS3    | 100  | 100  |
| FREM1    | 100  | 100  |
| BNC2     | 100  | 100  |
| IFT74    | 100  | 95.7 |
| GALT     | 100  | 100  |
| GRHPR    | 100  | 100  |
| TRPM6    | 100  | 99.4 |
| CDK20    | 100  | 100  |
| SPTLC1   | 100  | 100  |
| ANKS6    | 99   | 96.7 |
| SEC61B   | 100  | 100  |
| INVS     | 100  | 100  |
| ALDOB    | 100  | 100  |

**Gennaam CreV4 (15X) SSv7 (15X)**

|          |      |      |
|----------|------|------|
| IKBKAP   | 100  | 100  |
| TRIM32   | 100  | 100  |
| GSN      | 100  | 99.8 |
| CRB2     | 100  | 100  |
| GAPVD1   | 100  | 100  |
| LMX1B    | 100  | 100  |
| COQ4     | 100  | 98.9 |
| WDR34    | 100  | 99.7 |
| PRDM12   | 93.3 | 91.1 |
| TSC1     | 100  | 100  |
| ADAMTS13 | 100  | 97.1 |
| INPP5E   | 100  | 100  |
| SLC34A3  | 100  | 99.1 |
| GATA3    | 100  | 100  |
| ITGA8    | 100  | 100  |
| CUBN     | 100  | 100  |
| PDSS1    | 96.1 | 95.2 |
| RET      | 100  | 99.9 |
| TMEM72   | 100  | 100  |
| ERCC6    | 100  | 100  |
| BICC1    | 100  | 100  |
| ZNF365   | 100  | 100  |
| NEUROG3  | 100  | 100  |
| SGPL1    | 100  | 100  |
| PCBD1    | 100  | 98   |
| PSAP     | 97.9 | 100  |
| FAM149B1 | 100  | 100  |
| PTEN     | 100  | 100  |
| ACTA2    | 100  | 100  |
| SLC16A12 | 100  | 100  |
| CEP55    | 100  | 99.9 |
| PLCE1    | 100  | 100  |
| TCTN3    | 100  | 100  |
| HOGA1    | 100  | 100  |
| HPSE2    | 100  | 100  |
| PAX2     | 100  | 100  |
| FGF8     | 99.9 | 96.9 |
| TRIM8    | 100  | 100  |
| ARL3     | 100  | 91.9 |
| CYP17A1  | 100  | 100  |
| CNNM2    | 100  | 100  |
| BBIP1    | 100  | 100  |
| GFRA1    | 100  | 100  |
| HRAS     | 100  | 100  |
| CD151    | 100  | 100  |
| CDKN1C   | 91.4 | 82.6 |
| CYP2R1   | 100  | 100  |
| WT1      | 100  | 99.9 |
| LRP4     | 100  | 100  |
| NUP160   | 100  | 100  |

**Gennaam CreV4 (15X) SSv7 (15X)**

|          |      |      |
|----------|------|------|
| TMEM138  | 100  | 100  |
| TMEM216  | 100  | 100  |
| GANAB    | 100  | 100  |
| SLC22A12 | 100  | 99.9 |
| PYGM     | 100  | 100  |
| BBS1     | 100  | 100  |
| LRP5     | 99.6 | 97.8 |
| DHCR7    | 100  | 100  |
| C2CD3    | 100  | 100  |
| ALG8     | 100  | 96.4 |
| TRPC6    | 100  | 96.5 |
| DYNC2H1  | 100  | 98.1 |
| ALG9     | 100  | 99.7 |
| APOA1    | 100  | 100  |
| CEP164   | 100  | 100  |
| FXVD2    | 100  | 100  |
| SLC37A4  | 100  | 100  |
| HYLS1    | 100  | 100  |
| KCNJ1    | 100  | 100  |
| KCNJ5    | 100  | 100  |
| WNK1     | 100  | 100  |
| FGF23    | 100  | 100  |
| SCNN1A   | 100  | 100  |
| GUCY2C   | 100  | 99.9 |
| PTPRO    | 100  | 99.5 |
| KRAS     | 100  | 100  |
| VDR      | 100  | 100  |
| AQP2     | 100  | 100  |
| TENC1    | 100  | 100  |
| CYP27B1  | 100  | 100  |
| AVIL     | 100  | 100  |
| GRIP1    | 100  | 100  |
| NUP107   | 100  | 99.9 |
| LYZ      | 100  | 100  |
| BBS10    | 100  | 100  |
| CEP290   | 100  | 84.8 |
| POC1B    | 100  | 99.1 |
| CEP83    | 100  | 89.7 |
| IFT81    | 100  | 99.3 |
| TCTN1    | 100  | 97.3 |
| TCTN2    | 100  | 100  |
| KL       | 99   | 97.6 |
| ALG5     | 100  | 100  |
| FREM2    | 100  | 100  |
| ATP7B    | 100  | 100  |
| PIBF1    | 100  | 98.7 |
| GPC5     | 100  | 100  |
| CLDN10   | 100  | 100  |
| COL4A1   | 100  | 99.6 |
| OSGEP    | 100  | 100  |

**Gennaam CreV4 (15X) SSv7 (15X)**

|           |      |      |
|-----------|------|------|
| RPGRIP1   | 100  | 100  |
| SLC7A7    | 100  | 100  |
| LRP10     | 100  | 100  |
| FAM179B   | 100  | 99.8 |
| BMP4      | 100  | 100  |
| TMEM260   | 100  | 100  |
| KIAA0586  | 95.5 | 99.8 |
| DACT1     | 100  | 99.2 |
| SIX1      | 100  | 100  |
| COQ6      | 100  | 100  |
| IFT43     | 100  | 100  |
| VIPAS39   | 100  | 100  |
| SPTLC2    | 100  | 100  |
| TTC8      | 100  | 96   |
| C14orf142 | 100  | 100  |
| DICER1    | 100  | 100  |
| AMN       | 100  | 100  |
| INF2      | 97.9 | 96.5 |
| FAN1      | 100  | 100  |
| GREM1     | 100  | 100  |
| MAPKBP1   | 100  | 100  |
| B2M       | 100  | 100  |
| GATM      | 100  | 100  |
| SLC12A1   | 100  | 100  |
| TRPM7     | 100  | 98   |
| WDR72     | 100  | 100  |
| MYO1E     | 100  | 100  |
| BBS4      | 100  | 100  |
| STRA6     | 100  | 100  |
| CHRNA3    | 100  | 97.7 |
| FAH       | 100  | 100  |
| WDR73     | 100  | 100  |
| KIF7      | 99.9 | 97.3 |
| VPS33B    | 100  | 100  |
| CACNA1H   | 99.9 | 98.9 |
| IFT140    | 100  | 100  |
| TSC2      | 100  | 100  |
| PKD1      | 97.4 | 96.9 |
| TRAP1     | 100  | 99.8 |
| GLIS2     | 100  | 100  |
| ANKS3     | 100  | 99.5 |
| ALG1      | 99.9 | 99.5 |
| PMM2      | 100  | 100  |
| EMP2      | 100  | 100  |
| MYH11     | 100  | 100  |
| COQ7      | 100  | 100  |
| UMOD      | 100  | 100  |
| SCNN1G    | 100  | 100  |
| SCNN1B    | 100  | 100  |
| KIAA0556  | 100  | 100  |



**Gennaam CreV4 (15X) SSv7 (15X)**

|          |      |      |
|----------|------|------|
| TBX6     | 100  | 100  |
| SLC5A2   | 100  | 100  |
| ZNF423   | 100  | 100  |
| SALL1    | 100  | 100  |
| RPGRIP1L | 96.4 | 96.9 |
| BBS2     | 100  | 100  |
| NUP93    | 100  | 100  |
| SLC12A3  | 100  | 99.9 |
| COQ9     | 100  | 100  |
| HSD11B2  | 99.5 | 88.7 |
| LCAT     | 100  | 100  |
| TMEM231  | 100  | 100  |
| FOXF1    | 100  | 100  |
| FOXC2    | 100  | 100  |
| APRT     | 100  | 100  |
| CTNS     | 100  | 99.1 |
| ANKFY1   | 100  | 100  |
| KIAA0753 | 100  | 100  |
| TMEM107  | 100  | 100  |
| COX10    | 100  | 100  |
| FLCN     | 100  | 100  |
| B9D1     | 100  | 100  |
| NEK8     | 100  | 100  |
| LHX1     | 99.4 | 99.2 |
| HNF1B    | 100  | 100  |
| WNK4     | 100  | 100  |
| G6PC     | 100  | 100  |
| SLC4A1   | 100  | 100  |
| WNT9B    | 100  | 96   |
| ITGA3    | 100  | 100  |
| DGKE     | 100  | 99.2 |
| MKS1     | 100  | 100  |
| ACE      | 100  | 100  |
| STRADA   | 100  | 100  |
| SCN4A    | 100  | 100  |
| FAM20A   | 100  | 100  |
| SLC9A3R1 | 100  | 100  |
| TMEM104  | 100  | 100  |
| NUP85    | 100  | 100  |
| ITGB4    | 100  | 99.2 |
| ARHGDIA  | 100  | 100  |
| GREB1L   | 100  | 100  |
| KCTD1    | 100  | 97.2 |
| MOCOS    | 100  | 100  |
| MYO5B    | 100  | 100  |
| GNA11    | 100  | 100  |
| C3       | 100  | 100  |
| KANK2    | 100  | 100  |
| PRKCSH   | 100  | 100  |
| TSHZ3    | 100  | 100  |

**Gennaam CreV4 (15X) SSv7 (15X)**

|         |      |      |
|---------|------|------|
| SLC7A9  | 100  | 100  |
| NPHS1   | 100  | 100  |
| SPINT2  | 100  | 100  |
| ACTN4   | 100  | 100  |
| SARS2   | 100  | 100  |
| ADCK4   | 100  | 100  |
| B9D2    | 100  | 100  |
| APOE    | 100  | 99.9 |
| SIX5    | 100  | 99.5 |
| AP2S1   | 100  | 100  |
| CCDC114 | 100  | 100  |
| AVP     | 99   | 98.2 |
| MKKS    | 100  | 100  |
| JAG1    | 100  | 100  |
| THBD    | 100  | 100  |
| KIF3B   | 100  | 100  |
| MAFB    | 100  | 100  |
| IFT52   | 100  | 100  |
| HNF4A   | 100  | 99.9 |
| TP53RK  | 100  | 100  |
| SALL4   | 100  | 99.7 |
| CYP24A1 | 100  | 100  |
| STX16   | 100  | 100  |
| GNAS    | 100  | 99.9 |
| LAMA5   | 100  | 98.8 |
| ITSN1   | 100  | 99.8 |
| APOL1   | 100  | 100  |
| MYH9    | 100  | 99.7 |
| IFT27   | 100  | 100  |
| CBY1    | 100  | 100  |
| XPNPEP3 | 100  | 100  |
| UPK3A   | 100  | 98.1 |
| ATXN10  | 100  | 100  |
| ARSA    | 100  | 100  |
| KAL1    | 100  | 99.3 |
| OFD1    | 100  | 99.1 |
| PHEX    | 100  | 100  |
| CLCN5   | 100  | 99.9 |
| MAGED2  | 100  | 100  |
| GLA     | 100  | 100  |
| NXF5    | 99.9 | 99.9 |
| TBC1D8B | 100  | 100  |
| COL4A5  | 100  | 99.7 |
| OCRL    | 100  | 98.6 |
| GPC3    | 100  | 100  |
| HPRT1   | 100  | 93.1 |
| MAP7D3  | 99.9 | 94.9 |
| ZIC3    | 100  | 100  |
| FAM58A  | 99.7 | 84.1 |
| AVPR2   | 100  | 100  |

| <b>Gennaam</b> | <b>CreV4 (15X)</b> | <b>SSv7 (15X)</b> |
|----------------|--------------------|-------------------|
| LAGE3          | 100                | 96.8              |