

Gen	kb
AARS	2.9
AARS2	3.0
ABAT	1.5
ABCC8	4.7
ABCD1	2.2
ABCD4	1.8
ACADM	1.3
ACADS	1.2
ACADSB	1.3
ACADVL	2.1
ACOX1	2.1
ACSF3	1.7
ACTB	1.1
ACTG1	1.1
ACY1	1.2
ADAR	3.7
ADGRG1	2.1
ADK	1.1
ADSL	1.5
AFG3L2	2.4
AGA	1.0
AGL	4.7
AIMP1	1.0
AKT2	1.5
AKT3	1.5
ALDH3A2	1.5
ALDH5A1	1.6
ALDH6A1	1.6
ALDH7A1	1.7
ALDOA	1.3
ALG1	1.4
ALG11	1.5
ALG12	1.5
ALG13	3.5
ALG2	1.3
ALG3	1.4
ALG6	1.5
ALG8	1.6
ALG9	1.9
AMACR	1.2
AMPD2	2.7
AMT	1.2
ANKLE2	2.8
AP3B2	3.3
APC2	6.9
APOPT1	0.6
ARFGF2	5.4
ARG1	1.0

Gen	kb
ARHGEF9	1.6
ARID1A	6.9
ARID1B	6.8
ARSA	1.5
ARSB	1.6
ARV1	0.8
ARX	1.7
ASAH1	1.3
ASL	1.4
ASNS	1.7
ASPA	0.9
ASPM	10.4
ASS1	1.2
ASXL2	4.3
ATIC	1.8
ATP13A2	3.8
ATP1A2	3.1
ATP1A3	3.1
ATR	7.9
AUH	1.0
B3GALNT2	1.6
B3GNT1	1.2
B4GALT1	1.2
BCAP31	0.9
BCKDHA	1.3
BCKDHB	1.2
BCKDK	1.2
BCS1L	1.3
BLK	1.5
BOLA3	0.4
BRAF	2.3
BRAT1	2.5
BRF1	2.3
BRWD3	5.4
BTD	1.7
CACNA1A	7.6
CAD	6.7
CARS2	1.7
CASK	2.8
CCDC115	0.5
CCDC88C	6.1
CCM2	1.4
CCND2	0.9
CD320	0.8
CDC45	1.8
CDC6	1.7
CDK5	0.9
CDK5RAP2	5.7

Gen	kb
CDK6	1.0
CDKL5	3.1
CDON	3.9
CDT1	1.6
CEL	2.3
CENPE	8.1
CENPJ	4.0
CEP135	3.4
CEP152	5.1
CEP63	2.2
CERS1	1.1
CHD2	5.5
CHMP1A	0.6
CHRNA2	1.6
CHRNA4	1.9
CHRN2	1.5
CIT	6.2
CKAP2L	2.2
CLCN2	2.7
CLCN4	2.3
CLN3	1.3
CLN5	1.2
CLN6	0.9
CLN8	0.9
CLP1	1.3
CLPB	2.2
CNNM2	2.7
COG1	2.9
COG2	2.2
COG4	2.4
COG5	2.6
COG6	2.0
COG7	2.3
COG8	1.8
COL4A1	5.0
COL4A2	5.1
COQ4	0.8
COQ8A	1.9
COX8A	0.2
CPS1	4.5
CPT1A	2.4
CPT2	2.0
CRADD	0.6
CSF1R	2.9
CSTB	0.3
CTC1	3.7
CTNS	1.2
CTSA	1.5

Gen	kb
CTSD	1.2
CTSF	1.5
CUL4B	2.8
CYP27A1	1.6
D2HGDH	1.6
DAG1	2.7
DARS	1.5
DARS2	1.9
DBT	1.4
DCHS1	9.9
DCX	1.3
DDOST	1.4
DDX3X	2.0
DENND5A	3.9
DEPDC5	4.8
DHDDS	1.0
DHFR	0.6
DLD	1.5
DNAJC12	0.6
DNAJC19	0.4
DNAJC5	0.6
DNM1	2.6
DNM1L	2.3
DNMT3A	2.9
DOCK7	6.5
DOLK	1.6
DPAGT1	1.2
DPM1	0.8
DPM2	0.3
DPM3	0.4
DPYD	3.1
DYNC1H1	13.9
DYRK1A	2.4
EARS2	1.6
EED	1.3
EEF1A2	1.4
EIF2B1	0.9
EIF2B2	1.1
EIF2B3	1.4
EIF2B4	1.7
EIF2B5	2.2
EIF2S3	1.4
EMX2	0.8
ENO3	1.3
EPM2A	1.0
ERCC6	4.5
ERCC8	1.2
ERMARD	2.1

Gen	kb
ETFA	1.0
ETFB	1.1
ETFDH	1.9
ETHE1	0.8
EXOSC3	0.8
EXOSC8	0.8
EZH2	2.3
FA2H	1.1
FAM126A	1.6
FARS2	1.4
FAT4	14.9
FBP1	1.0
FGF12	0.8
FGFR1	2.6
FH	1.5
FIBP	1.1
FKRP	1.5
FKTN	1.4
FLNA	7.9
FOLR1	0.8
FOXP1	1.5
FOXRED1	1.5
FRRS1L	1.0
FUCA1	1.4
G6PC	1.1
GAA	2.9
GABRA1	1.4
GABRB1	1.4
GABRB2	1.5
GABRB3	1.5
GABRG2	1.5
GALC	2.2
GALNS	1.6
GAMT	1.0
GAN	1.8
GATM	1.3
GBA	1.6
GBE1	2.1
GCDH	1.3
GCH1	0.8
GCK	1.5
GCSH	0.5
GFAP	1.6
GFM1	2.3
GJC2	1.3
GLA	1.3
GLB1	2.0
GLDC	3.1

Gen	kb
GLI2	4.8
GLRA1	1.4
GLRB	1.5
GLRX5	0.5
GLUD1	1.7
GLUL	1.1
GM2A	0.6
GMNN	0.6
GMPPA	1.3
GMPPB	1.2
GNAO1	1.4
GNB1	1.0
GNPTAB	3.8
GNPTG	0.9
GNS	1.7
GOSR2	0.8
GPC3	1.8
GPHN	2.3
GRIN1	2.9
GRIN2A	4.4
GRIN2B	4.5
GRIN2D	4.0
GRN	1.8
GUSB	2.0
GYG1	1.1
GYS1	2.2
GYS2	2.1
HACE1	2.7
HADH	1.0
HADHA	2.3
HCFC1	6.1
HCN1	2.7
HDAC8	1.2
HEPACAM	1.3
HERC1	14.6
HEXA	1.6
HEXB	1.7
HGSNAT	1.9
HIKESHI	0.6
HLCS	2.2
HMGCL	1.0
HMGCS2	1.5
HNF1A	1.9
HNF1B	1.7
HNF4A	1.6
HNRNPU	2.5
HPD	1.2
HRAS	0.6

Gen	kb
HSD17B4	2.3
HSPD1	1.7
HTRA1	1.4
HUWE1	13.1
HYAL1	1.3
IBA57	1.1
IDH2	1.4
IDS	1.7
IDUA	2.0
IER3IP1	0.2
IFIH1	3.1
IGF2	0.7
INS	0.3
INSR	4.1
IQSEC2	4.6
ISCA2	0.5
ISPD	1.4
ITPA	0.6
IVD	1.3
KAT6A	6.0
KATNB1	2.0
KCNA1	1.5
KCNA2	1.7
KCNB1	2.6
KCNC1	1.8
KCNJ11	1.2
KCNMA1	4.2
KCNQ2	2.8
KCNQ3	2.6
KCNT1	3.8
KCTD7	0.9
KDM6A	4.2
KIAA2022	4.6
KIF11	3.2
KIF1BP	1.9
KIF2A	2.2
KIF5A	3.1
KIF5C	2.9
KLF11	1.5
KMT2D	16.6
KNL1	7.0
KPTN	1.3
KRAS	0.7
KRIT1	2.2
L1CAM	3.8
L2HGDH	1.4
LAMA2	9.4
LAMB1	5.4

Gen	kb
LAMC3	4.7
LAMP2	1.5
LARGE	2.3
LDHA	1.2
LGI1	1.7
LIAS	1.1
LIPA	1.2
LMBRD1	1.6
LMNB1	1.8
LMNB2	1.9
LYRM7	0.3
MAN1B1	2.1
MAN2B1	3.0
MANBA	2.6
MAP2K1	1.2
MAP2K2	1.2
MBD5	5.2
MBOAT7	1.4
MCEE	0.5
MCOLN1	1.7
MCPH1	2.5
MDH2	1.0
MECP2	1.5
MED12	6.5
MEF2C	1.6
MFSD2A	1.6
MFSD8	1.6
MGAT2	1.3
MLC1	1.1
MLYCD	1.5
MMAA	1.3
MMAB	0.8
MMACHC	0.8
MMADHC	0.9
MOCS1	1.3
MOCS2	0.8
MOGS	2.5
MPDU1	0.7
MPI	1.3
MT-ATP6 (m.8993T>G/C)	0.7
MTFMT	1.2
MTHFR	2.0
MTOR	7.7
MT-TK (m.8344A>G)	0.1
MT-TL1 (m.3243A>G, m.3271T>C)	0.1
MUT	2.3

Gen	kb
NAGA	1.2
NAGLU	2.2
NAGS	1.6
NARS2	1.4
NAXE	0.9
NDE1	1.0
NDUFA1	0.2
NDUFS1	2.2
NDUFV1	1.4
NECAP1	0.8
NEDD4L	3.0
NEU1	1.2
NEUROD1	1.1
NFIX	1.6
NFU1	0.8
NGLY1	2.1
NHLRC1	1.2
NIN	6.5
NIPBL	8.5
NOTCH3	7.0
NPC1	3.8
NPC2	0.5
NPRL2	1.1
NPRL3	1.7
NRAS	0.6
NSD1	8.1
NSMCE2	0.7
NUS1	0.9
OCLN	1.6
OPA3	0.9
ORC1	2.6
ORC4	1.3
ORC6	0.8
OTC	1.1
PACS2	2.7
PAFAH1B1	1.2
PAH	1.4
PAX4	1.0
PC	3.5
PCBD1	0.3
PCCA	2.2
PCCB	1.7
PCDH19	3.4
PCLO	15.4
PDCD10	0.6
PDHA1	1.3
PDHX	1.6
PDSS2	1.2

Gen	kb
PDX1	0.9
PET100	0.2
PEX1	3.9
PEX10	1.0
PEX11B	0.8
PEX12	1.1
PEX13	1.2
PEX14	1.1
PEX16	1.1
PEX19	0.9
PEX2	0.9
PEX26	0.9
PEX3	1.1
PEX5	2.0
PEX6	2.9
PEX7	1.0
PFKM	2.6
PGAM2	0.8
PGAP1	2.8
PGAP2	1.2
PGAP3	1.0
PGM1	2.0
PHC1	3.0
PHF6	1.2
PHGDH	1.6
PHKA1	3.7
PHKA2	3.7
PHKB	3.4
PHKG2	1.3
PI4KA	6.3
PIGA	1.5
PIGG	3.0
PIGL	0.8
PIGM	1.3
PIGN	2.8
PIGO	3.3
PIGT	1.7
PIGV	1.5
PIGW	1.5
PIGY	0.2
PIK3CA	3.2
PIK3R2	2.2
PLA2G6	2.4
PLAA	2.4
PLCB1	3.8
PLEKHG2	4.2
PLK4	2.9
PLP1	0.8

Gen	kb
PLPBP	0.8
PMM2	0.7
PNKP	1.6
PNPO	0.8
POLG	3.7
POLR1C	1.0
POLR3A	4.2
POLR3B	3.4
POMGNT1	2.3
POMGNT2	1.7
POMK	1.1
POMT1	2.3
POMT2	2.3
PPP1R15B	2.1
PPP2R5B	1.5
PPP2R5C	2.0
PPP2R5D	1.8
PPT1	0.9
PQBP1	0.8
PRDM8	2.1
PRICKLE1	2.5
PRKAG2	1.7
PRRT2	1.2
PRUNE1	1.4
PSAP	1.6
PSAT1	1.1
PSPH	0.7
PTCH1	4.5
PTEN	1.2
PTS	0.4
PURA	1.0
PYCR2	1.0
PYGL	2.5
PYGM	2.5
QARS	2.3
QDPR	0.7
RAB18	0.6
RAB39B	0.6
RAB3GAP1	3.0
RAB3GAP2	4.2
RAD21	1.9
RARS	2.0
RARS2	1.7
RBBP8	2.7
RELN	10.4
RFT1	1.6
RIN2	2.8
RNASEH2A	0.9

Gen	kb
RNASEH2B	1.0
RNASEH2C	0.5
RNASET2	0.8
RNF125	0.7
RNF135	1.4
ROGDI	0.9
RORB	1.4
RTTN	6.7
SAMHD1	1.9
SASS6	2.0
SCARB2	1.4
SCN1A	6.0
SCN1B	1.0
SCN2A	6.1
SCN8A	5.9
SCP2	1.7
SDHA	2.0
SDHAF1	0.3
SEPSECS	1.5
SERAC1	2.0
SERPIN1	1.2
SETD2	7.7
SGSH	1.5
SHH	1.4
SIK1	2.4
SIX3	1.0
SLC12A5	3.5
SLC13A5	1.7
SLC16A1	1.5
SLC16A2	1.6
SLC17A5	1.5
SLC19A3	1.5
SLC1A2	1.7
SLC1A3	1.6
SLC1A4	1.6
SLC22A5	1.7
SLC25A1	0.9
SLC25A12	2.0
SLC25A13	2.0
SLC25A15	0.9
SLC25A19	1.0
SLC25A20	0.9
SLC25A22	1.0
SLC2A1	1.5
SLC2A2	1.6
SLC35A1	1.0
SLC35A2	1.4
SLC35C1	1.1

Gen	kb
SLC37A4	1.4
SLC39A8	1.5
SLC46A1	1.4
SLC6A1	1.8
SLC6A5	2.4
SLC6A8	1.9
SLC6A9	2.2
SLC9A6	2.1
SMARCA2	4.8
SMARCA4	5.1
SMARCB1	1.2
SMARCE1	1.2
SMC1A	3.7
SMC3	3.7
SMPD1	1.9
SNORD118	0.1
SOS1	4.0
SOX10	1.4

Gen	kb
SOX11	1.3
SPATA5	2.7
SPTAN1	7.4
SRD5A3	1.0
SSR4	0.6
ST3GAL3	1.3
ST3GAL5	1.3
STAMPB	1.3
STIL	3.9
STN1	1.1
STRADA	1.4
STT3A	2.1
STT3B	2.5
STX1B	0.9
STXBP1	1.9
SUCLA2	1.4
SUCLG1	1.0
SUMF1	1.1

Gen	kb
SUOX	1.6
SURF1	0.9
SYNGAP1	4.0
SYNJ1	4.9
SZT2	10.1
TAZ	0.9
TBC1D20	1.2
TBC1D24	1.7
TBC1D7	0.9
TCF4	2.7
TDGF1	0.6
TGIF1	1.3
TMEM165	1.0
TMEM199	0.6
TMEM5	1.3
TMTC3	2.8
TOE1	1.5
TPP1	1.7

Gen	kb
TRAIP	1.4
TREM2	0.9
TREX1	1.1
TRMT10A	1.0
TSC1	3.5
TSC2	5.4
TSEN15	0.5
TSEN2	1.4
TSEN34	0.9
TSEN54	1.6
TUBA1A	1.4
TUBA8	1.4
TUBB	1.3
TUBB2A	1.3
TUBB2B	1.3
TUBB3	1.4
TUBB4A	1.3
TUBG1	1.4

Gen	kb
TUBGCP4	2.0
TUBGCP6	5.5
TUFM	1.4
TUSC3	1.1
TWNK	2.1
TYMP	1.5
TYROBP	0.3
UBA5	1.2
UBE2A	0.5
UBE3A	2.7
VAR2	3.3
VLDLR	2.6
VPS11	3.0
VPS33A	1.8
VPS53	2.5
VRK1	1.2
WDR45	1.1
WDR62	4.6

Gen	kb
WDR73	1.1
WDR81	5.9
WWOX	1.3
ZEB2	3.7
ZIC2	1.6
ZNF335	4.0

Für Rückfragen und Beratung stehen wir Ihnen gern jederzeit zur Verfügung. Bitte wenden Sie sich an unser Diagnostik-Support-Team.
www.humangenetik-tuebingen.de/diagnostic-support | diagnostic-support@humangenetik-tuebingen.de | Telefon 070 71/565 44-00