

Date	February 2024
Panel	Renal disease
Gene	Transcript

ABCC6	NM_001171.6
ABCD4	NM_005050.4
ABCG2	NM_004827.3
ACE	NM_000789.4
ACP5	NM_001111035.3
ACTA2	NM_001613.4
ACTB	NM_001101.5
ACTG1	NM_001614.5
ACTG2	NM_001615.4
ACTN4	NM_004924.6
ACVRL1	NM_000020.3
ADA2	NM_001282225.2
ADAMTS13	NM_139025.5
ADAMTS9	NM_182920.2
ADCY10	NM_018417.6
AFF3	NM_002285.3
AFF4	NM_014423.4
AGPAT2	NM_006412.4
AGT	NM_001384479.1
AGTR1	NM_031850.3
AGXT	NM_000030.3
AHI1	NM_017651.5
ALG5	
ALG8	NM_024079.5
ALG9	NM_024740.2
ALMS1	NM_001378454.1
ALPL	NM_000478.6
AMER1	NM_152424.4
AMN	NM_030943.4
ANKRD1	NM_014391.3
ANKS6	NM_173551.5
ANLN	NM_018685.5
ANOS1	NM_000216.4
AP2S1	NM_004069.6
APC2	NM_005883.3
APOA1	NM_000039.3
APRT	NM_000485.3
AQP1	NM_198098.4
AQP2	NM_000486.6
ARHGDI1A	NM_001185077.3
ARHGEF6	NM_004840.3
ARID1A	NM_006015.6
ARID1B	NM_001374820.1

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ARL13B	NM_182896.3
ARL6	NM_177976.3
ARMC5	NM_001105247.2
ARNT2	NM_014862.4
ARX	NM_139058.3
ASXL1	NM_015338.6
ATP6V0A4	NM_020632.3
ATP6V1B1	NM_001692.4
ATP6V1C2	NM_001039362.2
ATP7A	NM_000052.7
ATP7B	NM_000053.4
ATRX	NM_000489.6
ATXN10	NM_013236.4
AUH	NM_001698.3
AVP	NM_000490.5
AVPR2	NM_000054.6
B2M	NM_004048.4
B3GLCT	NM_194318.4
B4GAT1	NM_006876.3
B9D1	NM_015681.5
B9D2	NM_030578.4
BBIP1	NM_001195306.2
BBS1	NM_024649.5
BBS10	NM_024685.4
BBS12	NM_152618.3
BBS2	NM_031885.5
BBS4	NM_033028.5
BBS5	NM_152384.3
BBS7	NM_176824.3
BBS9	NM_198428.3
BCOR	NM_017745.6
BCR	NM_004327.4
BCS1L	NM_004328.5
BMP4	NM_001202.6
BMP7	NM_001719.3
BMPER	NM_133468.5
BRAF	NM_004333.6
BRIP1	NM_032043.3
BSCL2	NM_032667.6
BSND	NM_057176.3
BUB1B	NM_001211.6
C1QA	NM_015991.4
C1QB	NM_000491.5

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C1QC	NM_172369.5
C2	NM_000063.6
C2CD3	NM_015531.6
C3	NM_000064.4
C4A	NM_007293.3
CA2	NM_000067.3
CACNA1S	NM_000069.3
CAD	NM_004341.5
CALCR	NM_001742.4
CASP10	NM_032977.4
CASR	NM_000388.4
CBWD1	NM_018491.5
CC2D2A	NM_001080522.2
CCBE1	NM_133459.4
CCDC22	NM_014008.5
CCNQ	NM_152274.5
CD151	NM_004357.5
CD19	NM_001770.6
CD81	NM_004356.4
CD96	NM_198196.3
CDC5L	NM_001253.4
CDC73	NM_024529.5
CDKN1B	NM_004064.5
CDKN1C	NM_000076.2
CENPF	NM_016343.4
CEP104	NM_014704.4
CEP120	NM_153223.4
CEP164	NM_014956.5
CEP290	NM_025114.4
CEP41	NM_018718.3
CEP83	NM_016122.3
CFB	NM_001710.6
CFH	NM_000186.4
CFHR1	NM_002113.3
CFHR3	NM_021023.6
CFHR5	NM_030787.4
CFI	NM_000204.5
CFTR	NM_000492.4
CHD1L	NM_004284.6
CHD7	NM_017780.4
CHRM3	NM_000740.4
CHRNA3	NM_000743.5
CHST14	NM_130468.4

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CILK1	NM_016513.5
CISD2	NM_001008388.5
CLCN5	NM_000084.5
CLCNKA	NM_004070.4
CLCNKB	NM_000085.5
CLDN10	NM_006984.5
CLDN12	
CLDN14	NM_144492.3
CLDN16	NM_006580.4
CLDN19	NM_148960.3
CLDN2	NM_020384.4
CNNM2	NM_017649.5
COA8	NM_001370595.2
COL18A1	NM_001379500.1
COL4A1	NM_001845.6
COL4A3	NM_000091.5
COL4A4	NM_000092.5
COL4A5	NM_000495.5
COL5A1	NM_000093.5
COPA	NM_004371.4
COQ2	NM_015697.9
COQ6	NM_182476.3
COQ7	NM_016138.5
COQ8B	NM_024876.4
COQ9	NM_020312.4
COX10	NM_001303.4
COX14	NM_032901.4
COX20	NM_198076.6
COX6B1	NM_001863.5
COX7B	NM_001866.3
COX8A	NM_004074.3
CPLANE1	NM_023073.4
CPT1A	NM_001876.4
CPT2	NM_000098.3
CRB2	NM_173689.7
CREBBP	NM_004380.3
CRTAP	NM_006371.5
CSPP1	NM_024790.6
CTC1	NM_025099.6
CTNS	NM_004937.3
CTRC	NM_007272.3
CTU2	NM_001012759.3
CUBN	NM_001081.4

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CUL3	NM_003590.5
CYP11A1	NM_000781.3
CYP11B1	NM_000497.4
CYP17A1	NM_000102.4
CYP21A2	NM_000500.9
CYP24A1	NM_000782.5
CYP27B1	NM_000785.4
CYP2R1	NM_024514.5
DAAM2	NM_001201427.2
DCDC2	NM_016356.5
DCHS1	NM_003737.4
DDX59	NM_001031725.6
DGKD	NM_152879.3
DGKE	NM_003647.3
DGKH	NM_152910.6
DHCR7	NM_001360.3
DIS3L2	NM_152383.5
DKC1	NM_001363.5
DLG3	NM_021120.4
DLL3	NM_016941.4
DLL4	NM_019074.4
DLX4	NM_138281.3
DMP1	NM_004407.4
DNA2	NM_001080449.3
DNAAF1	NM_178452.6
DNAJB11	NM_016306.6
DNASE1L3	NM_004944.4
DNMT3B	NM_006892.4
DPH1	NM_001383.6
DSTYK	NM_015375.3
DYNC2H1	NM_001080463.2
DYNC2I1	NM_018051.5
DYNC2I2	NM_052844.3
DYRK1A	NM_001396.5
EBP	NM_006579.3
EDNRA	NM_001957.4
EFEMP2	NM_016938.5
EGF	NM_001963.6
EHHADH	NM_001966.4
EIF2AK3	NM_004836.7
EIF2B4	NM_015636.4
ELP1	NM_003640.5
EMP2	NM_001424.6

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ENG	NM_000118.3
ENPP1	NM_006208.3
EPG5	NM_020964.3
EPHA2	NM_004431.5
ERBB3	NM_001982.4
ERCC4	NM_005236.3
ERCC6	NM_000124.4
ERCC8	NM_000082.4
ESCO2	NM_001017420.3
ETFA	NM_000126.4
ETFB	NM_001985.3
ETFDH	NM_004453.4
ETV4	NM_001986.4
EVC	NM_153717.3
EVC2	NM_147127.5
EYA1	NM_000503.6
F2	NM_000506.5
FAH	NM_000137.4
FAM20A	NM_017565.4
FAM20C	NM_020223.4
FAN1	NM_014967.5
FANCA	NM_000135.4
FANCB	NM_001018113.3
FANCC	NM_000136.3
FANCD2	NM_033084.6
FANCE	NM_021922.3
FANCF	NM_022725.4
FANCG	NM_004629.2
FANCI	NM_001113378.2
FANCL	NM_018062.4
FANCM	NM_020937.4
FASTKD2	NM_014929.4
FAT4	NM_024582.6
FBLN5	NM_006329.4
FBN3	NM_032447.5
FBXL4	NM_012160.5
FGA	NM_021871.4
FGF10	NM_004465.2
FGF20	NM_019851.3
FGF23	NM_020638.3
FGFR1	NM_023110.3
FGFR2	NM_000141.5
FGFR3	NM_000142.5

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FKBP14	NM_017946.4
FLCN	NM_144997.7
FLNA	NM_001456.4
FLNB	NM_001457.4
FLT4	NM_182925.5
FN1	NM_212482.4
FOXC1	NM_001453.3
FOXC2	NM_005251.3
FOXF1	NM_001451.3
FRAS1	NM_025074.7
FREM1	NM_144966.7
FREM2	NM_207361.6
FUZ	NM_025129.5
FXYD2	NM_001680.5
G6PC1	NM_000151.4
GALNT3	NM_004482.4
GALT	NM_000155.4
GANAB	NM_198335.4
GATA3	NM_001002295.2
GATA6	NM_005257.6
GBA	NM_001005741.3
GCDH	NM_000159.4
GCM2	NM_004752.4
GDF2	NM_016204.4
GDNF	NM_000514.4
GFRA1	NM_005264.8
GIPC1	NM_202470.3
GLA	NM_000169.3
GLB1	NM_000404.4
GLI3	NM_000168.6
GLIS2	NM_032575.3
GLIS3	NM_152629.4
GNA11	NM_002067.5
GNAS	NM_000516.7
GNB1	NM_002074.5
GPC3	NM_004484.4
GREB1L	NM_001142966.3
GREM1	NM_013372.7
GRHPR	NM_012203.2
GRIP1	NM_021150.4
GSN	NM_000177.5
HBB	NM_000518.5
HDAC8	NM_018486.3

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HES7	NM_032580.4
HGD	NM_000187.4
HNF1A	NM_000545.8
HNF1B	NM_000458.4
HNF4A	NM_175914.4
HOGA1	NM_138413.4
HOXA13	NM_000522.5
HOXD13	NM_000523.4
HPRT1	NM_000194.3
HPS1	NM_000195.5
HPSE2	NM_021828.5
HRAS	NM_005343.4
HS2ST1	NM_012262.4
HSD11B2	NM_000196.4
HSD17B3	NM_000197.2
HSD17B4	NM_000414.4
HSD3B2	NM_000198.4
HSPA9	NM_004134.7
HSPG2	NM_005529.7
HYLS1	NM_145014.3
IFT122	NM_052985.4
IFT140	NM_014714.4
IFT172	NM_015662.3
IFT27	NM_006860.5
IFT43	NM_052873.3
IFT52	NM_001303458.3
IFT57	NM_018010.4
IFT80	NM_020800.3
IFT81	NM_014055.4
INF2	NM_022489.4
INPP5E	NM_019892.6
INPPL1	NM_001567.4
INSR	NM_000208.4
INVS	NM_014425.5
IQCB1	NM_001023570.4
IRF6	NM_006147.4
ITGA3	NM_002204.4
ITGA6	NM_000210.4
ITGA8	NM_003638.3
ITGB4	NM_001005731.3
JAG1	NM_000214.3
JAM3	NM_032801.5
KANK1	NM_015158.5

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KANK2	NM_001136191.3
KANK4	NM_181712.5
KANSL1	NM_001193466.2
KAT6B	NM_012330.4
KATNIP	NM_015202.5
KCNA1	NM_000217.3
KCNH1	NM_172362.3
KCNJ1	NM_000220.6
KCNJ10	NM_002241.5
KCNJ16	NM_018658.4
KCNJ5	NM_000890.5
KCTD1	NM_001258221.2
KDM1A	NM_001009999.3
KDM6A	NM_021140.4
KIAA0586	NM_001244189.2
KIAA0753	NM_014804.3
KIF14	NM_014875.3
KIF7	NM_198525.3
KL	NM_004795.4
KLHL3	NM_017415.3
KMT2D	NM_003482.4
KRAS	NM_004985.5
KYNU	NM_003937.3
LAMB2	NM_002292.4
LAMB3	NM_000228.3
LAMC2	NM_005562.3
LARS1	NM_020117.11
LCAT	NM_000229.2
LDHA	NM_005566.4
LFNG	NM_001040167.2
LMBRD1	NM_018368.4
LMNA	NM_170707.4
LMX1B	NM_002316.4
LONP1	NM_004793.4
LPIN1	NM_145693.4
LRIG2	NM_014813.3
LRP2	NM_004525.3
LRP4	NM_002334.4
LTBP4	NM_003573.2
LYZ	NM_000239.3
LZTFL1	NM_020347.4
MAFB	NM_005461.5
MAGED2	NM_177433.3

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MAP2K1	NM_002755.4
MAP2K2	NM_030662.4
MAPRE2	NM_014268.4
MBTPS2	NM_015884.4
MEFV	NM_000243.3
MESP2	NM_001039958.2
MET	NM_001127500.3
MGP	NM_000900.5
MKKS	NM_018848.3
MKS1	NM_017777.4
MLH1	NM_000249.4
MMACHC	NM_015506.3
MMUT	NM_000255.4
MNX1	NM_005515.4
MRPS22	NM_020191.4
MSH2	NM_000251.3
MSH6	NM_000179.3
MTM1	NM_000252.3
MUC1	NM_002456.6
MVK	NM_000431.4
MYCN	NM_005378.6
MYH9	NM_002473.6
MYO1E	NM_004998.4
NAA10	NM_003491.4
NARS2	NM_024678.6
NBN	NM_002485.5
NECTIN1	NM_002855.5
NEK1	NM_012224.4
NEK8	NM_178170.3
NEXMIF	NM_001008537.3
NF1	NM_000267.3
NHP2	NM_017838.4
NIPBL	NM_133433.4
NLRP3	NM_004895.5
NOS1AP	NM_014697.3
NOTCH2	NM_024408.4
NOTCH3	NM_000435.3
NPHP1	NM_000272.5
NPHP3	NM_153240.5
NPHP4	NM_015102.5
NPHS1	NM_004646.4
NPHS2	NM_014625.4
NPNT	NM_001184691.2

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NROB1	NM_000475.5
NR3C2	NM_000901.5
NRIP1	NM_003489.4
NSD1	NM_022455.5
NSDHL	NM_015922.3
NUP107	NM_020401.4
NUP205	NM_015135.3
NUP93	NM_014669.5
OCLN	NM_002538.4
OCRL	NM_000276.4
OFD1	NM_003611.3
OPLAH	NM_017570.5
OSR1	NM_145260.3
PALB2	NM_024675.4
PAX2	NM_003987.5
PBX1	NM_002585.4
PC	NM_000920.4
PDE1A	NM_005019.5
PDE6D	NM_002601.4
PDSS1	NM_014317.5
PDSS2	NM_020381.4
PET100	NM_001171155.2
PEX1	NM_000466.3
PEX10	NM_153818.2
PEX11B	NM_003846.3
PEX12	NM_000286.3
PEX13	NM_002618.4
PEX14	NM_004565.3
PEX16	NM_004813.4
PEX19	NM_002857.4
PEX2	NM_000318.3
PEX26	NM_017929.6
PEX3	NM_003630.3
PEX5	NM_001131025.2
PEX6	NM_000287.4
PGK1	NM_000291.4
PGM3	NM_001199917.2
PHEX	NM_000444.6
PHF6	NM_032458.3
PHGDH	NM_006623.4
PIEZO2	NM_022068.4
PIGA	NM_002641.4
PIGL	NM_004278.4

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PIGN	NM_176787.5
PIGT	NM_015937.6
PIK3CA	NM_006218.4
PIK3R2	NM_005027.4
PITX2	NM_153427.2
PKD1	NM_001009944.3
PKD2	NM_000297.4
PKHD1	NM_138694.4
PLCE1	NM_016341.4
PLG	NM_000301.5
PLOD1	NM_000302.4
PMM2	NM_000303.3
PNPLA6	NM_006702.5
POC1A	NM_015426.5
POC1B	NM_172240.3
POMC	NM_001035256.3
POMT1	NM_007171.4
POR	NM_000941.3
PORCN	NM_203475.3
PPP1R15B	NM_032833.5
PQBP1	NM_005710.2
PRKCD	NM_006254.4
PRODH	NM_016335.6
PROKR2	NM_144773.4
PRPS1	NM_002764.4
PSAP	NM_002778.4
PTEN	NM_000314.8
PTH	NM_000315.4
PTH1R	NM_000316.3
PTPN11	NM_002834.5
PTPRO	NM_030667.3
PUF60	NM_078480.3
PYGM	NM_005609.4
RAB18	NM_021252.5
RAB23	NM_183227.3
RAB3GAP1	NM_012233.3
RAB3GAP2	NM_012414.4
RAD51C	NM_058216.3
RAI1	NM_030665.4
RAP1A	NM_001010935.3
RAP1B	NM_015646.6
RBBP8	NM_002894.3
RBM10	NM_005676.5

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RBM8A	NM_005105.5
RECQL4	NM_004260.4
REN	NM_000537.4
RERE	NM_012102.4
RET	NM_020975.6
RIN2	NM_018993.4
RIPK4	NM_020639.3
RIPPLY2	NM_001009994.2
RMND1	NM_017909.4
ROBO1	
ROBO2	NM_002942.5
ROR2	NM_004560.4
RPGRIP1L	NM_015272.5
RPL11	NM_000975.5
RPL26	NM_000987.5
RPL35A	NM_000996.4
RPL5	NM_000969.5
RPS10	NM_001014.5
RPS17	NM_001021.6
RPS19	NM_001022.4
RPS24	NM_033022.4
RPS26	NM_001029.5
RPS28	NM_001031.5
RPS29	NM_001032.5
RPS7	NM_001011.4
RRM2B	NM_015713.5
RTTN	NM_173630.4
SALL1	NM_002968.3
SALL4	NM_020436.5
SARS2	NM_017827.4
SBDS	NM_016038.4
SC5D	NM_006918.5
SCARB2	NM_005506.4
SCLT1	NM_144643.4
SCN10A	NM_006514.4
SCN4A	NM_000334.4
SCNN1A	NM_001038.6
SCNN1B	NM_000336.3
SCNN1G	NM_001039.4
SCO1	NM_004589.4
SDCCAG8	NM_006642.5
SDHB	NM_003000.3
SDHC	NM_003001.5

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SDHD	NM_003002.4
SEMA3E	NM_012431.3
SERPINH1	NM_001235.5
SETBP1	NM_015559.3
SF3B4	NM_005850.5
SGK1	NM_005627.4
SHH	NM_000193.4
SI	NM_001041.4
SIX1	NM_005982.4
SIX2	NM_016932.5
SIX5	NM_175875.5
SLC12A1	NM_000338.3
SLC12A3	NM_000339.3
SLC16A12	NM_213606.4
SLC1A1	NM_004170.6
SLC22A12	NM_144585.4
SLC25A1	NM_005984.5
SLC26A1	NM_213613.4
SLC26A4	NM_000441.2
SLC26A6	NM_022911.3
SLC2A10	NM_030777.4
SLC2A2	NM_000340.2
SLC2A9	NM_020041.3
SLC34A1	NM_003052.5
SLC34A3	NM_080877.2
SLC36A2	NM_181776.3
SLC37A4	NM_001164277.1
SLC3A1	NM_000341.4
SLC41A1	NM_173854.6
SLC4A1	NM_000342.4
SLC4A4	NM_003759.4
SLC5A2	NM_003041.4
SLC6A19	NM_001003841.3
SLC6A20	NM_020208.4
SLC7A7	NM_001126106.4
SLC7A9	NM_014270.5
SLC9A3R1	NM_004252.5
SLIT2	NM_004787.4
SLX4	NM_032444.4
SMAD3	NM_005902.4
SMARCAL1	NM_014140.4
SMARCE1	NM_003079.5
SMC1A	NM_006306.4

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SMOC1	NM_001034852.3
SOX11	NM_003108.4
SOX17	NM_022454.4
SOX18	NM_018419.3
SOX9	NM_000346.4
SPECC1L	NM_015330.6
SPINT2	NM_021102.4
SPP1	NM_001040058.2
SRCAP	NM_006662.3
SRGAP1	NM_020762.4
STAR	NM_000349.3
STK11	NM_000455.5
STK39	NM_013233.3
STRA6	NM_022369.4
STRADA	NM_001003787.4
STUB1	NM_005861.4
STX16	NM_001001433.3
SUCLA2	NM_003850.3
SUGCT	NM_024728.3
SYNPO2	NA
TACO1	NM_016360.4
TAPT1	NM_153365.3
TBC1D20	NM_144628.4
TBC1D24	NM_001199107.2
TBC1D8B	NM_017752.3
TBCE	NM_003193.5
TBX18	NM_001080508.3
TCTN1	NM_001082538.3
TCTN2	NM_024809.5
TCTN3	NM_015631.6
TFAP2A	NM_001372066.1
THOC6	NM_024339.5
TMCO1	NM_019026.6
TMEM107	NM_032354.5
TMEM138	NM_016464.5
TMEM216	NM_001173990.3
TMEM231	NM_001077416.2
TMEM237	NM_001044385.3
TMEM67	NM_153704.6
TMEM70	NM_017866.6
TNFRSF1A	NM_001065.4
TNXB	NM_019105.8
TP63	NM_003722.5

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TRAF3IP1	NM_015650.4
TRAIP	NM_005879.3
TRAP1	NM_016292.3
TREX1	NM_033629.6
TRIM32	NM_012210.4
TRIM8	NM_030912.3
TRMT5	NM_020810.3
TRNT1	NM_182916.3
TRPC6	NM_004621.6
TRPM6	NM_017662.5
TRPM7	NM_017672.6
TRPS1	NM_014112.5
TRPV5	NM_019841.7
TRPV6	NM_018646.6
TSC1	NM_000368.5
TSC2	NM_000548.5
TSR2	NM_058163.3
TTC21B	NM_024753.5
TTC37	NM_014639.4
TTC8	NM_198309.3
TTR	NM_000371.4
TWIST2	NM_057179.3
TXNL4A	NM_006701.5
UBE2T	NM_014176.4
UBR1	NM_174916.3
UMOD	NM_003361.4
UMPS	NM_000373.4
UPB1	NM_016327.3
UPK3A	NM_006953.4
UQCC2	NM_032340.4
USP9X	NM_001039590.3
VANGL1	NM_138959.3
VDR	NM_001017535.2
VHL	NM_000551.4
VIPAS39	NM_022067.4
VPS33B	NM_018668.5
WAS	NM_000377.3
WDPCP	NM_015910.7
WDR19	NM_025132.4
WDR35	NM_001006657.2
WDR72	NM_182758.4
WDR73	NM_032856.5
WFS1	NM_006005.3

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WNK1	NM_018979.4
WNK4	NM_032387.5
WNT3	NM_030753.5
WNT4	NM_030761.5
WNT5A	NM_003392.7
WNT7A	NM_004625.4
WT1	NM_024426.6
XDH	NM_000379.4
XPNPEP3	NM_022098.4
XPO5	NM_020750.3
XRCC4	NM_022406.5
XYLT2	NM_022167.4
YAP1	NM_001130145.3
YY1AP1	NM_001198903.1
ZAP70	NM_001079.4
ZIC3	NM_003413.4
ZMPSTE24	NM_005857.5
ZMYM2	NM_003453.6
ZNF423	NM_015069.5
ZNF687	NM_020832.3