Supplementary table 1.

Oncogenic VEGFR2 rewires the extracellular matrix to impair endothelial mechanics and destabilize tumor vasculature

Authors

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gene symbol	fold change	p-value	-log10(FDR)
ACTN2	6.640	1,00E-03	3
ADCYAP1	6.640	1,00E-03	3
ADM	6.640	1,00E-03	3
AOX1	6.640	1,00E-03	3
ZFHX3	6.640	1,00E-03	3
ATP2B2	6.640	1,00E-03	3
ATP5ME	6.640	1,00E-03	3
BMP4	6.640	1,00E-03	3
DST	6.640	1,00E-03	3
BRCA2	6.640	1,00E-03	3
BST2	6.640	1,00E-03	3
RUNX1T1	6.640	1,00E-03	3
CKB	6.640	1,00E-03	3
ERCC8	6.640	1,00E-03	3
COL1A2	6.640	1,00E-03	3
CRMP1	6.640	1,00E-03	3

CTNNA2	6.640	1,00E-03	3
CD55	6.640	1,00E-03	3
DCT	6.640	1,00E-03	3
DMD	6.640	1,00E-03	3
DSG1	6.640	1,00E-03	3
FAP	6.640	1,00E-03	3
FER	6.640	1,00E-03	3
GCLM	6.640	1,00E-03	3
GRK5	6.640	1,00E-03	3
HBA2	6.640	1,00E-03	3
HLA-DRB7	6.640	1,00E-03	3
HNF4G	6.640	1,00E-03	3
HSD3B2	6.640	1,00E-03	3
CYR61	6.640	1,00E-03	3
IGHMBP2	6.640	1,00E-03	3
MAZ	6.640	1,00E-03	3
MBD1	6.640	1,00E-03	3
MEA1	6.640	1,00E-03	3
MEN1	6.640	1,00E-03	3
MFAP3	6.640	1,00E-03	3
MMP17	6.640	1,00E-03	3
MOCS1	6.640	1,00E-03	3
MPV17	6.640	1,00E-03	3
ND1	6.640	1,00E-03	3
NF1	6.640	1,00E-03	3
NOTCH1	6.640	1,00E-03	3
NRAP	6.640	1,00E-03	3
PCSK6	6.640	1,00E-03	3
PCNT	6.640	1,00E-03	3
PDE4D	6.640	1,00E-03	3
PDE6D	6.640	1,00E-03	3
PDGFRL	6.640	1,00E-03	3
PDK3	6.640	1,00E-03	3
PEX6	6.640	1,00E-03	3
SERPINB8	6.640	1,00E-03	3
PIK3R1	6.640	1,00E-03	3
PLCG2	6.640	1,00E-03	3
PODXL	6.640	1,00E-03	3
POLR2K	6.640	1,00E-03	3
PPP3CC	6.640	1,00E-03	3
PPP6C	6.640	1,00E-03	3
MAPK9	6.640	1,00E-03	3
PVRL1	6.640	1,00E-03	3
PCYT2	6.640	1,00E-03	3
RABGGTB	6.640	1,00E-03	3
RNASE4	6.640	1,00E-03	3
S100A9	6.640	1,00E-03	3

SRSF4	6.640	1,00E-03	3
SLC1A2	6.640	1,00E-03	3
SPAST	6.640	1,00E-03	3
SPTAN1	6.640	1,00E-03	3
AKR1D1	6.640	1,00E-03	3
DENND2B	6.640	1,00E-03	3
SULT1A1	6.640	1,00E-03	3
TNXB	6.640	1,00E-03	3
TPM1	6.640	1,00E-03	3
TULP3	6.640	1,00E-03	3
UBE2D1	6.640	1,00E-03	3
COL14A1	6.640	1,00E-03	3
ST8SIA2	6.640	1,00E-03	3
USP9Y	6.640	1,00E-03	3
ACOX3	6.640	1,00E-03	3
AKR1C3	6.640	1,00E-03	3
GBF1	6.640	1,00E-03	3
MATN4	6.640	1,00E-03	3
STK19	6.640	1,00E-03	3
HERC1	6.640	1,00E-03	3
LIMD1	6.640	1,00E-03	3
HEL-S-41	6.640	1,00E-03	3
INA	6.640	1,00E-03	3
PREPL	6.640	1,00E-03	3
RNF14	6.640	1,00E-03	3
SEMA3E	6.640	1,00E-03	3
RASSF2	6.640	1,00E-03	3
PIEZO1	6.640	1,00E-03	3
RNF40	6.640	1,00E-03	3
LPCAT3	6.640	1,00E-03	3
INADL	6.640	1,00E-03	3
RASGRP2	6.640	1,00E-03	3
TACC2	6.640	1,00E-03	3
POSTN	6.640	1,00E-03	3
GMEB1	6.640	1,00E-03	3
CCT8	6.640	1,00E-03	3
C1QL1	6.640	1,00E-03	3
KDELR3	6.640	1,00E-03	3
CNMD	6.640	1,00E-03	3
CNTRL	6.640	1,00E-03	3
TBC1D8	6.640	1,00E-03	3
U2AF2	6.640	1,00E-03	3
LAMB4	6.640	1,00E-03	3
SIRT2	6.640	1,00E-03	3
TCF25	6.640	1,00E-03	3
SIPA1L3	6.640	1,00E-03	3
PLXND1	6.640	1,00E-03	3

PHF8	6.640	1,00E-03	3
ZZEF1	6.640	1,00E-03	3
GRAMD4	6.640	1,00E-03	3
SEL1L3	6.640	1,00E-03	3
ANKRD12	6.640	1,00E-03	3
PPIP5K2	6.640	1,00E-03	3
KLHL18	6.640	1,00E-03	3
SMG6	6.640	1,00E-03	3
SIN3B	6.640	1,00E-03	3
NCAPD3	6.640	1,00E-03	3
LARP1	6.640	1,00E-03	3
UFL1	6.640	1,00E-03	3
PIP5K1C	6.640	1,00E-03	3
CAPN7	6.640	1,00E-03	3
CLCF1	6.640	1,00E-03	3
CASP14	6.640	1,00E-03	3
FAM32A	6.640	1,00E-03	3
TRPC4AP	6.640	1,00E-03	3
HEL-S-278	6.640	1,00E-03	3
HSPB8	6.640	1,00E-03	3
COA3	6.640	1,00E-03	3
STXBP6	6.640	1,00E-03	3
LGALSL	6.640	1,00E-03	3
HOOK2	6.640	1,00E-03	3
GMPPB	6.640	1,00E-03	3
NT5C	6.640	1,00E-03	3
MEMO1	6.640	1,00E-03	3
SEPSECS	6.640	1,00E-03	3
RAPGEFL1	6.640	1,00E-03	3
BIN2	6.640	1,00E-03	3
LCMT1	6.640	1,00E-03	3
CWC15	6.640	1,00E-03	3
INPP5K	6.640	1,00E-03	3
DUOX1	6.640	1,00E-03	3
FBXL19	6.640	1,00E-03	3
RBFOX1	6.640	1,00E-03	3
HYDIN	6.640	1,00E-03	3
DNAJB12	6.640	1,00E-03	3
NDE1	6.640	1,00E-03	3
SPDL1	6.640	1,00E-03	3
DUSP23	6.640	1,00E-03	3
MTARC2	6.640	1,00E-03	3
LARP1B	6.640	1,00E-03	3
MACO1	6.640	1,00E-03	3
LGR4	6.640	1,00E-03	3
MACROH2A2	6.640	1,00E-03	3
PLXNA3	6.640	1,00E-03	3

NSUN5	6.640	1,00E-03	3
NAXD	6.640	1,00E-03	3
CNDP2	6.640	1,00E-03	3
PCDHB9	6.640	1,00E-03	3
ERO1B	6.640	1,00E-03	3
ANKMY2	6.640	1,00E-03	3
RARS2	6.640	1,00E-03	3
PNPLA2	6.640	1,00E-03	3
KIAA1244	6.640	1,00E-03	3
TMCC3	6.640	1,00E-03	3
RNF150	6.640	1,00E-03	3
MTUS1	6.640	1,00E-03	3
LRRC7	6.640	1,00E-03	3
PIEZO2	6.640	1,00E-03	3
SMOC1	6.640	1,00E-03	3
KIF9	6.640	1,00E-03	3
SLC26A6	6.640	1,00E-03	3
PINK1	6.640	1,00E-03	3
ZSWIM4	6.640	1,00E-03	3
COA7	6.640	1,00E-03	3
GRAMD2B	6.640	1,00E-03	3
RETREG2	6.640	1,00E-03	3
THTPA	6.640	1,00E-03	3
SCRN3	6.640	1,00E-03	3
EFCC1	6.640	1,00E-03	3
METTL8	6.640	1,00E-03	3
SVEP1	6.640	1,00E-03	3
LIMD2	6.640	1,00E-03	3
TUBB1	6.640	1,00E-03	3
ARHGAP24	6.640	1,00E-03	3
TFAP2D	6.640	1,00E-03	3
CHD6	6.640	1,00E-03	3
COQ5	6.640	1,00E-03	3
SFT2D3	6.640	1,00E-03	3
FBXO18	6.640	1,00E-03	3
TMEM209	6.640	1,00E-03	3
CCDC183	6.640	1,00E-03	3
SNX21	6.640	1,00E-03	3
MACIR	6.640	1,00E-03	3
MIDEAS	6.640	1,00E-03	3
LENG8	6.640	1,00E-03	3
ARAP2	6.640	1,00E-03	3
RFFL	6.640	1,00E-03	3
FGD4	6.640	1,00E-03	3
ADSS1	6.640	1,00E-03	3
TARS3	6.640	1,00E-03	3
SNX20	6.640	1,00E-03	3

CCDC43	6.640	1,00E-03	3
OR2T11	6.640	1,00E-03	3
MIX23	6.640	1,00E-03	3
TPRA1	6.640	1,00E-03	3
UROC1	6.640	1,00E-03	3
GNPDA2	6.640	1,00E-03	3
LRGUK	6.640	1,00E-03	3
MDP1	6.640	1,00E-03	3
PPM1N	6.640	1,00E-03	3
MAMDC4	6.640	1,00E-03	3
ITPRIPL2	6.640	1,00E-03	3
PRSS35	6.640	1,00E-03	3
CCDC71L	6.640	1,00E-03	3
KRT78	6.640	1,00E-03	3
DTX3	6.640	1,00E-03	3
DHFR2	6.640	1,00E-03	3
CEP112	6.640	1,00E-03	3
CCDC171	6.640	1,00E-03	3
ATAD3C	6.640	1,00E-03	3
AK9	6.640	1,00E-03	3
TDRD6	6.640	1,00E-03	3
SDK1	6.640	1,00E-03	3
SNX32	6.640	1,00E-03	3
MAP7D2	6.640	1,00E-03	3
TAB3	6.640	1,00E-03	3
HECTD4	6.640	1,00E-03	3
FAM177A1	6.640	1,00E-03	3
GSDMA	6.640	1,00E-03	3
SEC14L4	6.640	1,00E-03	3
MROH2A	6.640	1,00E-03	3
ARSI	6.640	1,00E-03	3
AKR1C8	6.640	1,00E-03	3
LRRC9	6.640	1,00E-03	3
PALM3	6.640	1,00E-03	3
CCDC18	6.640	1,00E-03	3
SOWAHB	6.640	1,00E-03	3
RSPH4A	6.640	1,00E-03	3
RILPL1	6.640	1,00E-03	3
SBSN	6.640	1,00E-03	3
PROB1	6.640	1,00E-03	3
KPRP	6.640	1,00E-03	3
TSPY8	6.640	1,00E-03	3
KPLCE	6.640	1,00E-03	3
MT2A	6.420	1,00E-03	3
NEDD1	4.500	1,00E-03	3
WDR7	4.420	1,00E-03	3
KRT13	4.350	1,00E-03	3

HNRPA1	3.910	1,00E-03	3
TMEM63A	3.880	1,00E-03	3
BICD2	3.770	1,00E-03	3
KIF4A	3.670	1,00E-03	3
IRGM	3.590	1,00E-03	3
COL22A1	3.480	1,35E-01	0,868381336
PCM1	3.480	1,83E-01	0,737786295
SLC25A17	3.390	1,63E-03	2,787013815
MOCOS	3.380	4,45E-01	0,351444844
ACAN	3.280	1,14E-01	0,944239535
OSGEP	3.250	3,81E-01	0,418733195
STX7	3.210	1,61E-03	2,793984123
LZTFL1	3.160	7,38E-02	1,132120217
RUBCN	3.140	9,20E-02	1,036401037
C2orf72	3.120	3,69E-01	0,433091345
MYH11	3.110	1,90E-02	1,722390786
GNG5	3.090	0.002	2,698970004
TCP11L1	2.790	0.003	2,522878745
GPSM1	2.790	0.004	2,397940009
CD46	2.780	1,42E-01	0,848323769
PHLDB2	2.660	1,95E-01	0,709965389
YTHDF3	2.640	1,00E-03	3
TSPAN3	2.630	3,42E-03	2,465719995
GFRA2	2.520	0.020	1,698970004
SACS	2.520	0.029	1,537602002
VPS35L	2.490	0.009	2,045757491
SORBS1	2.470	5,52E-01	0,258218304
TGFB1	2.450	0.004	2,397940009
GLTP	2.420	0.018	1,744727495
CHRM3	2.380	0.005	2,301029996
CRLF1	2.370	0.001	3
ACAD10	2.350	9,71E-01	0,012601901
COX6C	2.310	0.002	2,698970004
MPHOSPH8	2.290	0.007	2,15490196
SEPHS2	2.290	0.021	1,677780705
PGAM5	2.290	0.028	1,552841969
ARHGEF12	2.280	0.031	1,508638306
LGI4	2.240	0.020	1,698970004
MRTFB	2.220	0.007	2,15490196
RAB35	2.180	0.002	2,698970004
FKBP9	2.180	5,23E-02	1,281581358
PANX1	2.180	1,47E-01	0,832387327
MVK	2.100	0.003	2,522878745
AP3D1	2.080	1,18E-01	0,929962133
ATP6V1G1	2.030	0.004	2,397940009
PI4K2A	1.990	0.050	1,301029996
RBM27	1.910	0.039	1,408935393

SMG8	1.890	0.035	1,455931956
PLEKHH2	1.880	0.028	1,552841969
NAGK	1.870	0.129	0,88941029
MRPL54	1.860	0.040	1,397940009
MPP2	1.860	0.045	1,346787486
FCHO2	1.860	0.049	1,30980392
DOCK4	1.860	0.078	1,107905397
NXT2	1.840	0.032	1,494850022
RESDA1	1.810	0.005	2,301029996
SMAD5	1.810	0.033	1,48148606
PBLD	1.810	0.047	1,327902142
MTUS2	1.810	0.054	1,26760624
BLTP2	1.810	0.084	1,075720714
C1QTNF3	1.770	0.001	3
SLC4A1AP	1.740	0.134	0,872895202
TMEM63B	1.730	0.012	1,920818754
TFAP2C	1.730	0.087	1,060480747
TNC	1.720	0.017	1,769551079
TP53RK	1.720	0.104	0,982966661
TUT7	1.710	0.070	1,15490196
SYNRG	1.700	0.173	0,761953897
TRIM6-TRIM34	1.690	0.003	2,522878745
CCN6	1.690	0.121	0,91721463
GPX2	1.690	0.181	0,742321425
INPP5A	1.680	0.041	1,387216143
ANTXR1	1.680	0.109	0,962573502
SAP30	1.680	0.187	0,728158393
EIF4G3	1.670	0.023	1,638272164
CCDC175	1.660	0.077	1,113509275
PHACTR4	1.660	0.083	1,080921908
ANGPTL4	1.650	0.004	2,397940009
USP9X	1.650	0.107	0,970616222
FNTA	1.640	0.139	0,8569852
GNG2	1.620	2,66E-01	0,574791949
SLX9	1.610	0.071	1,148741651
FERMT3	1.600	0.003	2,522878745
EPHB4	1.600	0.131	0,882728704
WDR70	1.590	0.092	1,036212173
THUMPD1	1.580	0.123	0,910094889
UBLCP1	1.550	0.172	0,764471553
FREM1	1.530	0.003	2,522878745
RBM3	1.530	0.088	1,055517328
ICAM5	1.530	0.102	0,991399828
AMOT	1.510	0.005	2,301029996
PDGFA	1.510	0.035	1,455931956
MMP25	1.510	0.140	0,853871964
ARHGAP21	1.500	0.080	1,096910013

NDP	1.490	0.103	0,987162775
SHINC3	1.480	0.205	0,688246139
ANKIB1	1.470	0.145	0,838631998
TLE3	1.470	0.221	0,655607726
TKFC	1.460	0.158	0,801342913
VEGFB	1.450	0.155	0,809668302
YLPM1	1.440	0.051	1,292429824
SRCIN1	1.430	0.131	0,882728704
VCAN	1.420	0.218	0,661543506
COX5B	1.410	0.013	1,886056648
ALDH3B1	1.390	0.209	0,679853714
PDGFB	1.380	0.003	2,522878745
CILP	1.380	0.192	0,716698771
TRAPPC1	1.380	0.235	0,628932138
EDIL3	1.370	0.009	2,045757491
VPS33B	1.370	0.062	1,207608311
SLC22A18	1.370	0.184	0,735182177
SUGT1	1.350	0.069	1,161150909
GPX3	1.340	0.095	1,022276395
IGFBP2	1.330	0.005	2,301029996
COLGALT2	1.330	0.011	1,958607315
EFEMP2	1.330	0.086	1,065501549
EFNB1	1.320	0.173	0,761953897
ISOC1	1.300	0.013	1,886056648
CDC42SE2	1.300	0.208	0,681936665
FOCAD	1.270	0.222	0,653647026
S100A8	1.260	0.184	0,735182177
MSH3	1.260	0.189	0,723538196
FHL3	1.240	0.024	1,619788758
COL12A1	1.240	0.033	1,48148606
NDUFC2	1.240	0.116	0,935542011
UBR2	1.240	0.157	0,804100348
SLC25A20	1.240	0.238	0,623423043
UBE2H	1.230	0.226	0,645891561
SNED1	1.220	0.013	1,886056648
SBDS	1.220	0.106	0,974694135
CD58	1.210	0.114	0,943095149
RBMX	1.190	0.014	1,853871964
STX8	1.190	0.056	1,251811973
PDE12	1.190	0.129	0,88941029
CLIP2	1.190	0.171	0,76700389
IER3IP1	1.190	0.235	0,628932138
MALSU1	1.170	0.237	0,625251654
ERCC1	1.130	0.143	0,844663963
YWHAH	1.120	0.012	1,920818754
GSTA3	1.110	0.016	1,795880017
MMP2	1.100	0.186	0,730487056

MPZ	1.090	0.075	1,124938737
GSTA5	1.040	0.037	1,431798276
AEBP1	1.040	0.144	0,841637508
EEIG2	1.040	0.170	0,769551079
PKM	1.010	0.192	0,716698771
HNRNPD	-1.360	0.233	0,632644079
PDIA3	-1.420	0.238	0,623423043
ARF1	-1.450	0.216	0,665546249
HEL-S-39	-1.490	0.188	0,725842151
NAP1L1	-1.500	0.178	0,749579998
KPNA2	-1.510	0.185	0,732828272
LRPPRC	-1.550	0.144	0,841637508
TPD52L2	-1.560	0.123	0,910094889
TUBB2A	-1.560	0.130	0,886056648
FH	-1.570	0.134	0,872895202
CHST11	-1.580	0.094	1,026872146
TXNDC5	-1.610	0.133	0,876148359
ACAT1	-1.640	0.102	0,991399828
ATP11B	-1.660	0.225	0,647817482
GID8	-1.670	0.219	0,659555885
HNRNPDL	-1.690	0.105	0,978810701
CDC123	-1.700	0.215	0,66756154
NDUFV1	-1.710	0.160	0,795880017
LGALS3BP	-1.720	0.070	1,15490196
ACTL6A	-1.730	0.073	1,13667714
NASP	-1.730	0.125	0,903089987
SCAF11	-1.760	0.233	0,632644079
UBQLN1	-1.780	0.181	0,742321425
RBBP4	-1.810	0.230	0,638272164
PSMB3	-1.830	0.184	0,735182177
UBE2L3	-1.850	0.182	0,739928612
IFIH1	-1.860	0.184	0,735182177
NMT1	-1.870	0.189	0,723538196
POFUT1	-1.880	0.182	0,739928612
MDH2	-1.890	0.030	1,522878745
LONP1	-1.900	0.055	1,259637311
SRSF11	-1.900	0.165	0,782516056
DPYSL3	-1.960	0.018	1,744727495
IVD	-1.970	0.196	0,707743929
SP3	-1.980	0.041	1,387216143
GOLGB1	-1.980	0.108	0,966576245
HEXB	-1.990	0.012	1,920818754
GADD45GIP1	-1.990	0.055	1,259637311
RTRAF	-1.990	0.105	0,978810701
IFITM2	-2.000	0.017	1,769551079
HEL-S-43	-2.000	0.093	1,031517051
PFDN4	-2.000	0.241	0,617982957

OAS2	-2.020	0.013	1,886056648
DHX8	-2.030	0.202	0,694648631
NIPSNAP1	-2.040	0.039	1,408935393
NCAPG	-2.070	0.011	1,958607315
SDHA	-2.080	0.030	1,522878745
ABCC1	-2.080	0.086	1,065501549
HEL-S-51e	-2.090	0.008	2,096910013
PPT1	-2.090	0.029	1,537602002
HSDL1	-2.090	0.144	0,841637508
PSIP1	-2.110	0.027	1,568636236
PLRG1	-2.110	0.241	0,617982957
HELZ2	-2.120	0.082	1,086186148
MRPS16	-2.120	0.215	0,66756154
PRPF40A	-2.130	0.081	1,091514981
ago-02	-2.130	0.186	0,730487056
PDHA1	-2.150	0.155	0,809668302
MSI2	-2.150	0.176	0,754487332
ATP2C1	-2.160	0.230	0,638272164
PRXL2A	-2.170	0.053	1,27572413
ETHE1	-2.170	0.159	0,798602876
EIF2AK4	-2.170	0.238	0,623423043
MED12	-2.190	0.104	0,982966661
INTS4	-2.190	0.168	0,774690718
NT5E	-2.190	0.234	0,630784143
RAB11FIP1	-2.200	0.120	0,920818754
CS	-2.210	0.005	2,301029996
FTH1	-2.210	0.132	0,879426069
RMDN1	-2.210	0.138	0,860120914
MARCKSL1	-2.230	0.004	2,397940009
SLITRK6	-2.230	0.161	0,793174124
ENPP1	-2.240	0.238	0,623423043
CRELD2	-2.250	0.026	1,585026652
MGRN1	-2.250	0.138	0,860120914
NOTCH3	-2.250	0.143	0,844663963
ULBP3	-2.250	0.242	0,616184634
COMMD9	-2.260	0.081	1,091514981
SUI1	-2.260	0.110	0,958607315
DES	-2.260	0.116	0,935542011
UTP15	-2.260	0.214	0,669586227
TGFB1I1	-2.270	0.230	0,638272164
DHRS7	-2.280	0.011	1,958607315
POLR1A	-2.280	0.062	1,207608311
ETFA	-2.290	0.003	2,522878745
TMED10	-2.290	0.003	2,522878745
DAAM2	-2.290	0.161	0,793174124
SVIL	-2.290	0.210	0,677780705
CTSB	-2.300	0.012	1,920818754

PPP1R2	-2.300	0.209	0,679853714
ACOT13	-2.330	0.031	1,508638306
CNOT2	-2.330	0.092	1,036212173
NIP7	-2.350	0.090	1,045757491
NUP85	-2.350	0.181	0,742321425
FBXO6	-2.360	0.190	0,721246399
SBF1	-2.360	0.191	0,718966633
TUBB4A	-2.360	0.199	0,701146924
ERP29	-2.370	0.053	1,27572413
WDR18	-2.370	0.100	1
PCGF2	-2.370	0.148	0,829738285
APEX1	-2.380	0.020	1,698970004
HDGF	-2.380	0.101	0,995678626
PPP1CA	-2.390	0.002	2,698970004
DGAT1	-2.390	0.005	2,301029996
KIF21A	-2.390	0.088	1,055517328
MYD88	-2.390	0.234	0,630784143
TNKS1BP1	-2.400	0.156	0,806875402
NFKB2	-2.440	0.145	0,838631998
RAB6B	-2.440	0.168	0,774690718
PDCD5	-2.450	0.074	1,13076828
EPPK1	-2.450	8,04E-01	0,094689938
SRSF1	-2.470	0.041	1,387216143
KIAA2013	-2.470	0.147	0,832682665
MRPL4	-2.480	0.141	0,850780887
UBA52	-2.510	0.016	1,795880017
DARS2	-2.510	0.090	1,045757491
LPIN1	-2.520	0.209	0,679853714
DAZAP1	-2.530	0.006	2,22184875
ITPR2	-2.530	0.116	0,935542011
ATG16L1	-2.530	0.169	0,772113295
RAB12	-2.540	0.136	0,866461092
RNF31	-2.550	0.116	0,935542011
QSOX2	-2.560	0.090	1,045757491
TXNRD2	-2.570	0.085	1,070581074
ACAA1	-2.570	0.093	1,031517051
TSPAN14	-2.590	0.064	1,193820026
CNPY3	-2.590	0.205	0,688246139
AARS2	-2.600	0.044	1,356547324
CCDC12	-2.600	0.229	0,640164518
PHLDB1	-2.600	2,37E-01	0,624519285
POLR1B	-2.610	0.051	1,292429824
COG7	-2.610	0.175	0,756961951
HDAC2	-2.620	0.196	0,707743929
IARS2	-2.630	0.002	2,698970004
SCYL2	-2.630	0.081	1,091514981
RELL1	-2.640	0.026	1,585026652

THEM6	-2.640	0.029	1,537602002
EXTL2	-2.640	0.064	1,193820026
UQCC2	-2.640	0.088	1,055517328
MFF	-2.650	0.192	0,716698771
ARMC1	-2.690	0.072	1,142667504
NAGLU	-2.700	0.179	0,747146969
NMD3	-2.710	0.023	1,638272164
MBD3	-2.710	0.055	1,259637311
RNASEH2B	-2.710	0.055	1,259637311
PDS5B	-2.710	0.068	1,167491087
ATRX	-2.720	0.031	1,508638306
TRMT1L	-2.720	0.057	1,244125144
LAMTOR5	-2.730	0.041	1,387216143
MRPL28	-2.730	0.088	1,055517328
TXNDC12	-2.750	0.018	1,744727495
HMGCL	-2.750	0.059	1,229147988
CNRIP1	-2.750	0.128	0,89279003
AGL	-2.780	0.011	1,958607315
TRIP11	-2.790	0.016	1,795880017
TPM2	-2.790	0.103	0,987162775
PTCD3	-2.800	0.002	2,698970004
RRP7A	-2.800	0.022	1,657577319
NUTF2	-2.810	0.005	2,301029996
ACAA2	-2.820	2,35E-02	1,629116983
OXCT1	-2.820	0.037	1,431798276
AKAP8L	-2.820	0.048	1,318758763
SET	-2.830	5,02E-03	2,299555899
LGMN	-2.850	0.010	2
GLB1	-2.870	0.002	2,698970004
DDX10	-2.870	0.121	0,91721463
STX6	-2.880	0.007	2,15490196
CPS1	-2.880	0.036	1,443697499
LACTB	-2.910	0.043	1,366531544
POLR2H	-2.930	8,81E-01	0,055221319
KYNU	-2.940	0.116	0,935542011
NT5DC2	-2.970	0.034	1,468521083
KANK2	-3.000	0.017	1,769551079
AGA	-3.010	0.086	1,065501549
NDC1	-3.030	0.047	1,327902142
FYTTD1	-3.040	0.007	2,15490196
SUCLG2	-3.110	0.008	2,096910013
CHP1	-3.130	0.008	2,096910013
ECE1	-3.160	3,19E-02	1,495665088
PCBP2	-3.210	0.005	2,301029996
BCAS3	-3.270	0.003	2,522878745
MAPK14	-3.280	0.002	2,698970004
MCCC1	-3.280	0.020	1,698970004

RBM12B	-3.280	1,42E-01	0,847405922
CALCOCO2	-3.290	0.004	2,397940009
WWP1	-3.320	0.041	1,387216143
HLA-DQA1	-3.350	0.003	2,522878745
SLC12A4	-3.350	0.005	2,301029996
ANKS1A	-3.360	0.015	1,823908741
PSMB6	-3.370	0.001	3
APOBEC3G	-3.370	0.004	2,397940009
GAA	-3.380	8,18E-01	0,087140525
PEX16	-3.390	0.008	2,096910013
GOLGA2	-3.390	6,66E-02	1,176460566
ARHGEF17	-3.420	0.005	2,301029996
LTBP1	-3.490	5,41E-03	2,267123959
EPB41L3	-3.540	0.002	2,698970004
CTSC	-3.540	2,19E-02	1,659555885
MED17	-3.560	0.018	1,744727495
RMDN3	-3.580	1,00E-03	3
GGH	-3.600	8,20E-03	2,08639805
CTSL	-3.650	7,11E-01	0,147886139
MTHFD2	-3.660	1,00E-03	3
OAT	-3.680	5,83E-03	2,234480457
XPO1	-3.860	1,00E-03	3
BCAS2	-3.880	4,29E-01	0,367846516
SOD2	-3.910	2,58E-01	0,589054141
MX1	-3.930	1,00E-03	3
IPO11	-3.930	0.002	2,698970004
CBS	-3.940	1,72E-01	0,763714723
AKAP8	-3.940	4,49E-01	0,34804393
MNAT1	-3.950	2,95E-01	0,530177984
ZSWIM5	-4.110	1,00E-03	3
SLIT2	-4.140	9,20E-02	1,036164969
INTS3	-4.410	1,68E-02	1,775985189
PHF14	-4.870	1,00E-03	3
BACH1	-5.380	1,00E-03	3
RPS6KA5	-6.390	1,00E-03	3
HLA-A	-6.620	1,00E-03	3
ABCA1	-6.640	1,00E-03	3
ABL2	-6.640	1,00E-03	3
ACO2	-6.640	1,00E-03	3
ACOX1	-6.640	1,00E-03	3
ACP5	-6.640	1,00E-03	3
ACTB	-6.640	1,00E-03	3
ADCY3	-6.640	1,00E-03	3
ADRBK1	-6.640	1,00E-03	3
CRYBG1	-6.640	1,00E-03	3
NUDT2	-6.640	1,00E-03	3
BIRC2	-6.640	1,00E-03	3

APLP2	-6.640	1,00E-03	3
ARSB	-6.640	1,00E-03	3
ARSL	-6.640	1,00E-03	3
ART3	-6.640	1,00E-03	3
ATM	-6.640	1,00E-03	3
ATP1A4	-6.640	1,00E-03	3
ATP7A	-6.640	1,00E-03	3
BCAT2	-6.640	1,00E-03	3
BMP7	-6.640	1,00E-03	3
BNIP2	-6.640	1,00E-03	3
TSPO	-6.640	1,00E-03	3
CA8	-6.640	1,00E-03	3
CDK1	-6.640	1,00E-03	3
LRBA	-6.640	1,00E-03	3
CENPB	-6.640	1,00E-03	3
CENPF	-6.640	1,00E-03	3
CETN3	-6.640	1,00E-03	3
CLN5	-6.640	1,00E-03	3
COL5A2	-6.640	1,00E-03	3
COL8A1	-6.640	1,00E-03	3
CRABP1	-6.640	1,00E-03	3
CREB1	-6.640	1,00E-03	3
CREBBP	-6.640	1,00E-03	3
CSNK1G2	-6.640	1,00E-03	3
SLC25A10	-6.640	1,00E-03	3
CTBS	-6.640	1,00E-03	3
CTSS	-6.640	1,00E-03	3
DCTD	-6.640	1,00E-03	3
DHFR	-6.640	1,00E-03	3
DNMT3A	-6.640	1,00E-03	3
DPH2	-6.640	1,00E-03	3
DRP2	-6.640	1,00E-03	3
DSP	-6.640	1,00E-03	3
DYRK1A	-6.640	1,00E-03	3
TOR1A	-6.640	1,00E-03	3
EDNRB	-6.640	1,00E-03	3
EFNB2	-6.640	1,00E-03	3
EPHA8	-6.640	1,00E-03	3
ERBB4	-6.640	1,00E-03	3
ERCC6	-6.640	1,00E-03	3
EYA3	-6.640	1,00E-03	3
FDFT1	-6.640	1,00E-03	3
FKBP5	-6.640	1,00E-03	3
FUCA1	-6.640	1,00E-03	3
FUCA2	-6.640	1,00E-03	3
GLA	-6.640	1,00E-03	3
GLE1	-6.640	1,00E-03	3

GLI3	-6.640	1,00E-03	3
GNAS	-6.640	1,00E-03	3
GNG4	-6.640	1,00E-03	3
NR3C1	-6.640	1,00E-03	3
GRM4	-6.640	1,00E-03	3
GTF2A1	-6.640	1,00E-03	3
GTF2B	-6.640	1,00E-03	3
HEXA	-6.640	1,00E-03	3
HLA-B	-6.640	1,00E-03	3
HLA-C	-6.640	1,00E-03	3
DPB1	-6.640	1,00E-03	3
HLA-DQB1	-6.640	1,00E-03	3
HLA-DRB1	-6.640	1,00E-03	3
HLA-DRB3	-6.640	1,00E-03	3
HLA-DRB4	-6.640	1,00E-03	3
HLA-DRB5	-6.640	1,00E-03	3
HMGB3	-6.640	1,00E-03	3
HNRNPK	-6.640	1,00E-03	3
HPS1	-6.640	1,00E-03	3
HSPD1	-6.640	1,00E-03	3
IDUA	-6.640	1,00E-03	3
IRAK1	-6.640	1,00E-03	3
JAK3	-6.640	1,00E-03	3
KCNMA1	-6.640	1,00E-03	3
KCNN3	-6.640	1,00E-03	3
KIF3C	-6.640	1,00E-03	3
KRT18	-6.640	1,00E-03	3
KRT34	-6.640	1,00E-03	3
LCP1	-6.640	1,00E-03	3
LIG1	-6.640	1,00E-03	3
LIMK2	-6.640	1,00E-03	3
MAN2A2	-6.640	1,00E-03	3
MANBA	-6.640	1,00E-03	3
MARK1	-6.640	1,00E-03	3
METTL1	-6.640	1,00E-03	3
MGAT1	-6.640	1,00E-03	3
COX2	-6.640	1,00E-03	3
MYO10	-6.640	1,00E-03	3
NDUFAB1	-6.640	1,00E-03	3
NDUFV2	-6.640	1,00E-03	3
SEPTIN2	-6.640	1,00E-03	3
NFYA	-6.640	1,00E-03	3
ROR1	-6.640	1,00E-03	3
ORC2	-6.640	1,00E-03	3
PCCB	-6.640	1,00E-03	3
PDHA2	-6.640	1,00E-03	3
PHKA2	-6.640	1,00E-03	3

PIGR	-6.640	1,00E-03	3
PIN1	-6.640	1,00E-03	3
PLCB4	-6.640	1,00E-03	3
PLD1	-6.640	1,00E-03	3
POLB	-6.640	1,00E-03	3
POLR2G	-6.640	1,00E-03	3
POU2F1	-6.640	1,00E-03	3
PPP1R10	-6.640	1,00E-03	3
PRCP	-6.640	1,00E-03	3
PRRG1	-6.640	1,00E-03	3
PXMP2	-6.640	1,00E-03	3
PXN	-6.640	1,00E-03	3
RAC3	-6.640	1,00E-03	3
RAF1	-6.640	1,00E-03	3
KDM5A	-6.640	1,00E-03	3
RBMS1	-6.640	1,00E-03	3
RBMS2	-6.640	1,00E-03	3
RBP1	-6.640	1,00E-03	3
RLF	-6.640	1,00E-03	3
RTKN	-6.640	1,00E-03	3
RXRB	-6.640	1,00E-03	3
MSMO1	-6.640	1,00E-03	3
ATXN2	-6.640	1,00E-03	3
CXCL11	-6.640	1,00E-03	3
SDC4	-6.640	1,00E-03	3
SGCD	-6.640	1,00E-03	3
SLC1A1	-6.640	1,00E-03	3
SLC4A2	-6.640	1,00E-03	3
SLC6A6	-6.640	1,00E-03	3
SLC6A8	-6.640	1,00E-03	3
SLC19A1	-6.640	1,00E-03	3
SOS1	-6.640	1,00E-03	3
SOX5	-6.640	1,00E-03	3
SPG7	-6.640	1,00E-03	3
SPOCK1	-6.640	1,00E-03	3
SRP72	-6.640	1,00E-03	3
SYT1	-6.640	1,00E-03	3
TAF7	-6.640	1,00E-03	3
TAF10	-6.640	1,00E-03	3
MAP3K7	-6.640	1,00E-03	3
ZEB1	-6.640	1,00E-03	3
VPS72	-6.640	1,00E-03	3
DYNLT1	-6.640	1,00E-03	3
TECTA	-6.640	1,00E-03	3
TGFBR2	-6.640	1,00E-03	3
TIAM1	-6.640	1,00E-03	3
TLE4	-6.640	1,00E-03	3

TLL1	-6.640	1,00E-03	3
TRAPPC10	-6.640	1,00E-03	3
TMPO	-6.640	1,00E-03	3
TNFAIP2	-6.640	1,00E-03	3
TPM3	-6.640	1,00E-03	3
TPM4	-6.640	1,00E-03	3
HIRA	-6.640	1,00E-03	3
U2AF1	-6.640	1,00E-03	3
UBE2D2	-6.640	1,00E-03	3
VRK2	-6.640	1,00E-03	3
EVI5	-6.640	1,00E-03	3
BRPF1	-6.640	1,00E-03	3
CDK2AP1	-6.640	1,00E-03	3
AP3B2	-6.640	1,00E-03	3
LZTR1	-6.640	1,00E-03	3
TRRAP	-6.640	1,00E-03	3
PICALM	-6.640	1,00E-03	3
HYAL3	-6.640	1,00E-03	3
ULK1	-6.640	1,00E-03	3
BCAR3	-6.640	1,00E-03	3
SORBS2	-6.640	1,00E-03	3
IKBKG	-6.640	1,00E-03	3
OASL	-6.640	1,00E-03	3
LAMTOR3	-6.640	1,00E-03	3
B4GALT3	-6.640	1,00E-03	3
MTMR1	-6.640	1,00E-03	3
TRIM24	-6.640	1,00E-03	3
INPP4B	-6.640	1,00E-03	3
SYNJ1	-6.640	1,00E-03	3
SYNJ2	-6.640	1,00E-03	3
SGCE	-6.640	1,00E-03	3
MBD2	-6.640	1,00E-03	3
PAPSS2	-6.640	1,00E-03	3
AURKB	-6.640	1,00E-03	3
DLG5	-6.640	1,00E-03	3
NOG	-6.640	1,00E-03	3
CYTH2	-6.640	1,00E-03	3
C6orf11	-6.640	1,00E-03	3
MED14	-6.640	1,00E-03	3
U31	-6.640	1,00E-03	3
NHERF1	-6.640	1,00E-03	3
NRXN1	-6.640	1,00E-03	3
CIAO1	-6.640	1,00E-03	3
MED23	-6.640	1,00E-03	3
GGPS1	-6.640	1,00E-03	3
GCC2	-6.640	1,00E-03	3
PDE4DIP	-6.640	1,00E-03	3

MARF1	-6.640	1,00E-03	3
SAFB2	-6.640	1,00E-03	3
PPIP5K1	-6.640	1,00E-03	3
N4BP1	-6.640	1,00E-03	3
CEP104	-6.640	1,00E-03	3
USP34	-6.640	1,00E-03	3
CTIF	-6.640	1,00E-03	3
URB2	-6.640	1,00E-03	3
TSC22D2	-6.640	1,00E-03	3
MED24	-6.640	1,00E-03	3
TOX4	-6.640	1,00E-03	3
DENND4B	-6.640	1,00E-03	3
XYLB	-6.640	1,00E-03	3
THRAP3	-6.640	1,00E-03	3
PDCD6IP	-6.640	1,00E-03	3
MED16	-6.640	1,00E-03	3
HUWE1	-6.640	1,00E-03	3
AKAP9	-6.640	1,00E-03	3
MBNL2	-6.640	1,00E-03	3
RBM7	-6.640	1,00E-03	3
RIDA	-6.640	1,00E-03	3
SMNDC1	-6.640	1,00E-03	3
RTN3	-6.640	1,00E-03	3
MCRS1	-6.640	1,00E-03	3
PPIH	-6.640	1,00E-03	3
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SEC23B	-6.640	1,00E-03	3
VTI1B	-6.640	1,00E-03	3
RPP30	-6.640	1,00E-03	3
IFI44	-6.640	1,00E-03	3
ARFGEF1	-6.640	1,00E-03	3
POLR3C	-6.640	1,00E-03	3
PHTF1	-6.640	1,00E-03	3
SMAP	-6.640	1,00E-03	3
WDR4	-6.640	1,00E-03	3
YIF1A	-6.640	1,00E-03	3
TRAFD1	-6.640	1,00E-03	3
TXNL4A	-6.640	1,00E-03	3
COPS8	-6.640	1,00E-03	3
PDIA5	-6.640	1,00E-03	3
PNRC1	-6.640	1,00E-03	3
AF1Q	-6.640	1,00E-03	3
GLIPR1	-6.640	1,00E-03	3
B4GAT1	-6.640	1,00E-03	3
OGFR	-6.640	1,00E-03	3
TOPBP1	-6.640	1,00E-03	3
WDR5	-6.640	1,00E-03	3

ATE1	-6.640	1,00E-03	3
KATNA1	-6.640	1,00E-03	3
BTN3A1	-6.640	1,00E-03	3
POLR3A	-6.640	1,00E-03	3
KAT7	-6.640	1,00E-03	3
ABCB8	-6.640	1,00E-03	3
CHEK2	-6.640	1,00E-03	3
POLG2	-6.640	1,00E-03	3
ATXN2L	-6.640	1,00E-03	3
PNKP	-6.640	1,00E-03	3
VSIG4	-6.640	1,00E-03	3
SYNPO	-6.640	1,00E-03	3
ANKRD26	-6.640	1,00E-03	3
CHSY1	-6.640	1,00E-03	3
ELL2	-6.640	1,00E-03	3
KDM2A	-6.640	1,00E-03	3
SPEN	-6.640	1,00E-03	3
TMCC1	-6.640	1,00E-03	3
NCOA6	-6.640	1,00E-03	3
PPRC1	-6.640	1,00E-03	3
KIF1B	-6.640	1,00E-03	3
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PSME4	-6.640	1,00E-03	3
DNAJC9	-6.640	1,00E-03	3
MGA	-6.640	1,00E-03	3
TUT4	-6.640	1,00E-03	3
SYNE1	-6.640	1,00E-03	3
DOCK9	-6.640	1,00E-03	3
ZNF629	-6.640	1,00E-03	3
MAU2	-6.640	1,00E-03	3
SPECC1L	-6.640	1,00E-03	3
LARS2	-6.640	1,00E-03	3
FBXO46	-6.640	1,00E-03	3
EXOSC2	-6.640	1,00E-03	3
SIRT1	-6.640	1,00E-03	3
TDRD7	-6.640	1,00E-03	3
CBX6	-6.640	1,00E-03	3
HEL25	-6.640	1,00E-03	3
MACF1	-6.640	1,00E-03	3
ZFYVE26	-6.640	1,00E-03	3
RIMBP2	-6.640	1,00E-03	3
SUZ12	-6.640	1,00E-03	3
KAT6B	-6.640	1,00E-03	3
DDAH1	-6.640	1,00E-03	3
CCNDBP1	-6.640	1,00E-03	3
RUSC1	-6.640	1,00E-03	3
PLD3	-6.640	1,00E-03	3

STX12	-6.640	1,00E-03	3
TMEM245	-6.640	1,00E-03	3
SDF2L1	-6.640	1,00E-03	3
PISD	-6.640	1,00E-03	3
FTSJ1	-6.640	1,00E-03	3
HYPK	-6.640	1,00E-03	3
NOCT	-6.640	1,00E-03	3
COG4	-6.640	1,00E-03	3
MPC2	-6.640	1,00E-03	3
LETMD1	-6.640	1,00E-03	3
RCHY1	-6.640	1,00E-03	3
NDUFAF3	-6.640	1,00E-03	3
SH2B1	-6.640	1,00E-03	3
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DHRS7B	-6.640	1,00E-03	3
TENM4	-6.640	1,00E-03	3
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GLCE	-6.640	1,00E-03	3
RAB11FIP5	-6.640	1,00E-03	3
HACL1	-6.640	1,00E-03	3
BLOC1S6	-6.640	1,00E-03	3
FBXW8	-6.640	1,00E-03	3
CNNM1	-6.640	1,00E-03	3
ACAD8	-6.640	1,00E-03	3
ANKRD1	-6.640	1,00E-03	3
STAU2	-6.640	1,00E-03	3
ARFIP1	-6.640	1,00E-03	3
NFU1	-6.640	1,00E-03	3
TNRC6A	-6.640	1,00E-03	3
HTATSF1	-6.640	1,00E-03	3
TMEM230	-6.640	1,00E-03	3
SAP30BP	-6.640	1,00E-03	3
ABT1	-6.640	1,00E-03	3
ALG5	-6.640	1,00E-03	3
ALG6	-6.640	1,00E-03	3
DPP7	-6.640	1,00E-03	3
GLTSCR2	-6.640	1,00E-03	3
ZNRD1	-6.640	1,00E-03	3
HDGFL3	-6.640	1,00E-03	3
DERA	-6.640	1,00E-03	3
ACP6	-6.640	1,00E-03	3
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MRPL51	-6.640	1,00E-03	3
WAC	-6.640	1,00E-03	3
ARL6IP4	-6.640	1,00E-03	3
SNX7	-6.640	1,00E-03	3
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NOP16	-6.640	1,00E-03	3
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ARMCX3	-6.640	1,00E-03	3
MED15	-6.640	1,00E-03	3
TRMT6	-6.640	1,00E-03	3
DPH5	-6.640	1,00E-03	3
CHMP3	-6.640	1,00E-03	3
MPC1	-6.640	1,00E-03	3
LSM8	-6.640	1,00E-03	3
ARID4B	-6.640	1,00E-03	3
CDK12	-6.640	1,00E-03	3
TM7SF3	-6.640	1,00E-03	3
COQ3	-6.640	1,00E-03	3
CALML5	-6.640	1,00E-03	3
CSNK1G1	-6.640	1,00E-03	3
SIAE	-6.640	1,00E-03	3
ZFAND6	-6.640	1,00E-03	3
CHPF2	-6.640	1,00E-03	3
HEATR5B	-6.640	1,00E-03	3
MRPL50	-6.640	1,00E-03	3
EXOC6	-6.640	1,00E-03	3
GTPBP2	-6.640	1,00E-03	3
Fam20A	-6.640	1,00E-03	3
DYM	-6.640	1,00E-03	3
PIGG	-6.640	1,00E-03	3
ANKHD1	-6.640	1,00E-03	3
UHRF1BP1	-6.640	1,00E-03	3
PXK	-6.640	1,00E-03	3
RPP25	-6.640	1,00E-03	3
RHBDL2	-6.640	1,00E-03	3
SARS2	-6.640	1,00E-03	3
HERC6	-6.640	1,00E-03	3
TTC38	-6.640	1,00E-03	3
FKBP14	-6.640	1,00E-03	3
NOL8	-6.640	1,00E-03	3
ZWILCH	-6.640	1,00E-03	3
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PRPF38B	-6.640	1,00E-03	3
HEATR1	-6.640	1,00E-03	3
SRBD1	-6.640	1,00E-03	3
UBR7	-6.640	1,00E-03	3
INTS10	-6.640	1,00E-03	3
RPRD1A	-6.640	1,00E-03	3
FANCI	-6.640	1,00E-03	3
PCMTD2	-6.640	1,00E-03	3
MRGBP	-6.640	1,00E-03	3

UEVLD	-6.640	1,00E-03	3
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C5orf22	-6.640	1,00E-03	3
BLOC1S4	-6.640	1,00E-03	3
SHFL	-6.640	1,00E-03	3
NCBP3	-6.640	1,00E-03	3
FOXRED1	-6.640	1,00E-03	3
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INTS13	-6.640	1,00E-03	3
COA1	-6.640	1,00E-03	3
NGLY1	-6.640	1,00E-03	3
DDX28	-6.640	1,00E-03	3
TEX2	-6.640	1,00E-03	3
BCAP29	-6.640	1,00E-03	3
SMG9	-6.640	1,00E-03	3
UBFD1	-6.640	1,00E-03	3
NSMCE3	-6.640	1,00E-03	3
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GRIPAP1	-6.640	1,00E-03	3
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GOPC	-6.640	1,00E-03	3
ATP8B2	-6.640	1,00E-03	3
SPC25	-6.640	1,00E-03	3
ABHD6	-6.640	1,00E-03	3
RHBDD2	-6.640	1,00E-03	3
BIRC6	-6.640	1,00E-03	3
TENM2	-6.640	1,00E-03	3
ISY1	-6.640	1,00E-03	3
SFRS15	-6.640	1,00E-03	3
SLC12A5	-6.640	1,00E-03	3
KIAA1210	-6.640	1,00E-03	3
NLN	-6.640	1,00E-03	3
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ZNF608	-6.640	1,00E-03	3
DOCK6	-6.640	1,00E-03	3
TMEM181	-6.640	1,00E-03	3
ZNF687	-6.640	1,00E-03	3
MYH7B	-6.640	1,00E-03	3
GPR107	-6.640	1,00E-03	3
METTL14	-6.640	1,00E-03	3
ZNF462	-6.640	1,00E-03	3
MPP4	-6.640	1,00E-03	3
CACNG6	-6.640	1,00E-03	3
CHTF18	-6.640	1,00E-03	3

EPB41L4A	-6.640	1,00E-03	3
NUCKS1	-6.640	1,00E-03	3
SMYD3	-6.640	1,00E-03	3
PARP12	-6.640	1,00E-03	3
MEAF6	-6.640	1,00E-03	3
EPS8L2	-6.640	1,00E-03	3
ETNPPL	-6.640	1,00E-03	3
C12orf43	-6.640	1,00E-03	3
TMEM237	-6.640	1,00E-03	3
UPF3B	-6.640	1,00E-03	3
RSRC2	-6.640	1,00E-03	3
SPATS2	-6.640	1,00E-03	3
WNK3	-6.640	1,00E-03	3
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NUP37	-6.640	1,00E-03	3
INTS15	-6.640	1,00E-03	3
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KCTD15	-6.640	1,00E-03	3
ALG8	-6.640	1,00E-03	3
ATG9A	-6.640	1,00E-03	3
TMEM185B	-6.640	1,00E-03	3
LRFN3	-6.640	1,00E-03	3
CYBC1	-6.640	1,00E-03	3
CARS2	-6.640	1,00E-03	3
RHBDF2	-6.640	1,00E-03	3
HECTD3	-6.640	1,00E-03	3
SMC6	-6.640	1,00E-03	3
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GEMIN7	-6.640	1,00E-03	3
TXNDC15	-6.640	1,00E-03	3
GRTP1	-6.640	1,00E-03	3
HHIPL2	-6.640	1,00E-03	3
GEMIN6	-6.640	1,00E-03	3
CBLL1	-6.640	1,00E-03	3
RABEP2	-6.640	1,00E-03	3
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THNSL1	-6.640	1,00E-03	3
ACTR5	-6.640	1,00E-03	3
SPEF2	-6.640	1,00E-03	3
PSME3IP1	-6.640	1,00E-03	3
RPF1	-6.640	1,00E-03	3
TTI2	-6.640	1,00E-03	3
SPG11	-6.640	1,00E-03	3
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PUS1	-6.640	1,00E-03	3
ZFP91	-6.640	1,00E-03	3

SH3BP5L	-6.640	1,00E-03	3
CLPTM1L	-6.640	1,00E-03	3
ISCA1	-6.640	1,00E-03	3
RNF170	-6.640	1,00E-03	3
SHARPIN	-6.640	1,00E-03	3
DDX59	-6.640	1,00E-03	3
NUF2	-6.640	1,00E-03	3
SELENOO	-6.640	1,00E-03	3
RIOK1	-6.640	1,00E-03	3
LONP2	-6.640	1,00E-03	3
PLEKHN1	-6.640	1,00E-03	3
FBXO30	-6.640	1,00E-03	3
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PYM1	-6.640	1,00E-03	3
THOC3	-6.640	1,00E-03	3
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FBXL20	-6.640	1,00E-03	3
ITPRIP	-6.640	1,00E-03	3
CFAP74	-6.640	1,00E-03	3
TRIM4	-6.640	1,00E-03	3
SERPINB12	-6.640	1,00E-03	3
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MCU	-6.640	1,00E-03	3
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TRIM47	-6.640	1,00E-03	3
IGFN1	-6.640	1,00E-03	3
CDKN2AIPNL	-6.640	1,00E-03	3
CABL1	-6.640	1,00E-03	3
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MRRF	-6.640	1,00E-03	3
RBM18	-6.640	1,00E-03	3
LRRC4B	-6.640	1,00E-03	3

ORMDL1	-6.640	1,00E-03	3
GLMP	-6.640	1,00E-03	3
SGF29	-6.640	1,00E-03	3
GOLM2	-6.640	1,00E-03	3
C1orf212	-6.640	1,00E-03	3
SLC25A25	-6.640	1,00E-03	3
GBP4	-6.640	1,00E-03	3
TRMT61A	-6.640	1,00E-03	3
DNTTIP1	-6.640	1,00E-03	3
HEL-S-290	-6.640	1,00E-03	3
SFXN2	-6.640	1,00E-03	3
PDZD8	-6.640	1,00E-03	3
ARL14EP	-6.640	1,00E-03	3
EARS2	-6.640	1,00E-03	3
DNAH14	-6.640	1,00E-03	3
C1orf131	-6.640	1,00E-03	3
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NUDCD2	-6.640	1,00E-03	3
VPS37A	-6.640	1,00E-03	3
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SELENOM	-6.640	1,00E-03	3
MROH8	-6.640	1,00E-03	3
VTI1A	-6.640	1,00E-03	3
PTGR2	-6.640	1,00E-03	3
FAM161B	-6.640	1,00E-03	3
WIPF2	-6.640	1,00E-03	3
RC3H1	-6.640	1,00E-03	3
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NCBP2AS2	-6.640	1,00E-03	3
VKORC1L1	-6.640	1,00E-03	3
CFAP58	-6.640	1,00E-03	3
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FAM9C	-6.640	1,00E-03	3
MLKL	-6.640	1,00E-03	3
IBA57	-6.640	1,00E-03	3
DNAH12	-6.640	1,00E-03	3
TAPT1	-6.640	1,00E-03	3
R3HCC1	-6.640	1,00E-03	3
MTIF3	-6.640	1,00E-03	3
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EFHA1	-6.640	1,00E-03	3
LRWD1	-6.640	1,00E-03	3
CERS6	-6.640	1,00E-03	3
CBARP	-6.640	1,00E-03	3

ANKRD31	-6.640	1,00E-03	3
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BOD1L1	-6.640	1,00E-03	3
BLOC1S2	-6.640	1,00E-03	3
SPRYD4	-6.640	1,00E-03	3
GXYLT1	-6.640	1,00E-03	3
PTGR3	-6.640	1,00E-03	3
EMC10	-6.640	1,00E-03	3
EOGT	-6.640	1,00E-03	3
RGMB	-6.640	1,00E-03	3
MAGEB18	-6.640	1,00E-03	3
SIX6OS1	-6.640	1,00E-03	3
CHSY3	-6.640	1,00E-03	3
RAB43	-6.640	1,00E-03	3
CCDC158	-6.640	1,00E-03	3
NRBP2	-6.640	1,00E-03	3
ZC3H12B	-6.640	1,00E-03	3
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WDR53	-6.640	1,00E-03	3
KIF7	-6.640	1,00E-03	3
PTAR1	-6.640	1,00E-03	3
WASHC2A	-6.640	1,00E-03	3
NHLRC3	-6.640	1,00E-03	3
BOLA3	-6.640	1,00E-03	3
SMIM20	-6.640	1,00E-03	3
PTRHD1	-6.640	1,00E-03	3
PCNX3	-6.640	1,00E-03	3
SIGLEC16	-6.640	1,00E-03	3
C1orf226	-6.640	1,00E-03	3
FSIP2	-6.640	1,00E-03	3
IFIT1B	-6.640	1,00E-03	3
MZT1	-6.640	1,00E-03	3
POTEKP	-6.640	1,00E-03	3
POTEE	-6.640	1,00E-03	3
WASH6P	-6.640	1,00E-03	3
LRTM2	-6.640	1,00E-03	3
CCDC30	-6.640	1,00E-03	3
TDRD15	-6.640	1,00E-03	3
PMF1-BGLAP	-6.640	1,00E-03	3
TVP23C-CDRT4	-6.640	1,00E-03	3

Supplementary table 1. Differentially expressed proteins in $VEGFR2^{R1032Q}$ - vs $VEGFR2^{WT}$-dECMs, not filtered data. In the columns from left to right are indicated: relative gene symbols, fold change, p-value and -log10(FDR).