TP53 PIK3CA NFE2L2 KRAS PTEN KMT2D SPTA1 NF1	0 0 -0.7 0.1 0 0 0 0.12 0.05 0 0 1.1 -0.44 0.39 0 0 0 0 0 0	0 0.96 0 0 0.28 1.01 0 0 -0.25 0 1.5 -0.21 0.5 0 0 2.51 0 0 -0.24 -0.59 0 0 0 0 0 2.24 -0.02 0 0 0 0.39 0 -0.38 0.37 0 0 0 0 0.12 0.23 0 0 0 -0.09 0 0 0.81 -0.14 0	0 -0.01 -0.44 0 0 0.05 0 0 0 0 0 0 0 0 0 0 0 -0.04	0 0.1 0 0 0.42 0 0 0 0.21 1.85 0 0 0 2.52 -0.11 0 0.82 -0.02 -0.58 0.93 0 -0.14 0 0 0.81 0 -0.13 0 1.12 0.92	0 -0.22 0 0 -0.53 0 0 0 4.01 0 -0.09 0 0 -0.55 0 0 -0.15 0	0 -0.25 0 0 0 -0.27 2.22 0 0 0 0 0 0 0.05 0 0 0 0.16 0 0	0 0 0.16 0 0 0 -0.15 0 0 0 0.33 1. 0 0 0 0 0 0.52 0 0 0 0.5 0.73	0 -0.28 0 0 03 0 0 -0.45 0 0 0 -0.12	.56 0.8 1.3 0 2.09 1.1 0 0.15 0 0 0.52 0 0 2.82 0.9 0 0.16 0 0 0 0 0 0 0
FAT1 ARID1A RB1 MGA FBXW7 DMD CTNNB1	0 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 -0.21 1.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.16 0 0 0.05 0 0 -0.1 0 0 0 0 0 0	0 0 -0.13 0.34 0.76 0 0 0.06 0 0.21 0 0 0.57 0.41 0.48 0 0 0 0.5 -0.05 0 0 0 -0.05 0 0 0 0.04 0.4 0.27 0 0 2.83 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -0.23 0 0 0 0 -0.33 0 0 0 -0.13 0 1.0 0 -0.04 0 0 0 -0.01 1.29	0 0.42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 -0.35 0 0 0 -0.45 0 0 0 -0.17 0 -0.24	0 0.32 0 0 1.15 0 0 0 0 0 0 0.12 0 0 1.36 2.5 0 0 0 0 1.59 0
CDKN2A ACVR2A SMARCA4 SMAD4 RNF43 PGR NOTCH1 MED12	0 -0.59 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.57 0 2.05 0 0.4 0 0 0 0.11 0 0 0 0 0.15 0 0.29 0 0 0 0.53 0 0.15 0 0 0.29 0 0 0 0 0.51 0 0 0.51 0 0 0 0 0.51 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.32 0 0 0.44 0 0 0 0 0 0 0 0 0	0 0 0.9 -0.3 0 0 0 0.37 0 0 0 0 0.27 0 0 0 0 0 0.16 0 0 0 0 0.65	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.9 0 0 0.11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -0.18 1.13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0.69 0 0 0.05 0 0 0 0.49 0 0 0 0 0 0 0.06 0
MED12 HRAS ERBB4 BAP1 ZBTB7B TGFBR2 TET2 SCAF4	0 1.51 0 -0.08 0 0 0 -0.06 0 0 0 0 0 0 1. 0 0 -0.24 -0.48 0 0 0 -0.24 0.13 0 0 0 0 0.81 0	0 0 0 0 0 0 1.81 0 0 0.09 0 0.63 -0.16 0 0 54 0 0 0 0.17 0 0 0 0 0 0 1.25 0 0.85 0	0 0 0 0 0 0 0 0 1.34 0.72 0 0 0.37 0 0 0	0 0 0 0 0 0.63 0 0 0 0 0 0.28 0 -0.34 1.2 0 0 2. 0 0 0 0 0.2 0 0 0 0 0.21 0 0 0.52 0 0.14	0 0 0 0 2 0 -0.49 0 21 0 0 0 0 0 0 0 0 0.35 0 -0.01 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.14 0 0 0 0.31 0.83 0 0 0 0 0 0 0 0 0 0 0 1.01 0 23 0 -0.01 0	2.6 0.0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.06 0 82 0 0 0 0 0 0 0 0 0 0 0 0.26 1.6 0 0 0 0 0.01 0
PTPRD NRAS NF2 KMT2C FGFR3 DNMT3A	0 0 0 0.27 0 0 0 -0.55 0 0 0 0.21 0 0.2 0 0 0.28 0.26 0.67 0 1.64 -0.36 -0.51 0 0 0 -0.13 0 0	0 0 0 0.64 0 0.03 0 0 0.62 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0.43 0.83 0 0 0 0 0.19 0 0 0.11 2	0 0 0 1.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 0 0 0.21 0.35 0 0 0 -0.22 0.37 .29 0 0 0.47 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.81 0.43 (0 3.79 0 0. 0 0 0 0 0 0 0.16 0 (0 0 -0.01 (0 -0.1 72 3.38 0 -0.06 0 -0.33 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
BRCA2 APOB U2AF1 SPTAN1 SMC3 RHOB PTPN11	0 1.5 0.04 0 0 0 0 0 -0.12 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0	0 0 0.08 0.34 0.33 .62 0 0 0.89 -0.01 0 0 0 0 -0.03 0 0 0 0 0 0 -0.05 0.43 -0.1 0 .32 0.37 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0.81 0.21 0 0 0 0.18 0 0 0 0 0.21 0 0 0 0.21 0 0 0 0 0	0	0 0 0 0 0 0 0 0 0 0.9 0 0 0.15 0 0 -0.12 0 0 0 0
PPP2R1A PLXNB2 PLCG1 PIK3CG MUC6 MAX MAP3K1	0 0 0 0 0	0 0 0 0 0 0	0 0 0.32 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.22 0.18 0 0 0 -0.44 -0.21 0 0 0 0.57 0.98 0 0 0 0.32 0.74 0 0 0 0.98 0	0 -0.67 0 0 0 0 0 0 0 0 0 0 0 -0.25 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.5 0 0 0 0.17 0 0 0 0 0.29 0 0 0 1.17 0 0 0 0		0 3.05 2.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.48 0 0 0.26 0
MACF1 LZTR1 KLF5 KIF1A INPPL1 HUWE1 H3F3C	0 0.29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0.72 0 0 0 0 0 0.69 0 0 0 0 0 0 0 0-0.02 0 0 0 0.5 0 0 0 0 0.69 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.64 0.07 0 0 0 0 -0.08 0.74 0 0 0 0.23 0 0 0 0 -0.12 0.29 0 0 0 0 0.11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 -0.07 1. 0 0 0 0 0 0.49 0 0 0 0.03 0 0 0 0.57 0 0	29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -0.08 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.62 0 0 0 0
FLT3 FLNA FAM46D CYLD CTNND1 CREBBP CHD8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.46 0.43 0 0 0 0 0 0 0 0 0 0.18 0 0 0 -0.03 0 0 0 0 -0.12 0.24	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -0.01 0 0. 0 0 0 0 0 -0.03 0 0 0 0 0 0	27 0.24 0 0 0 0.03 0 0 0 0 0.35 0 3 -0.46 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CDK12 CARD11 BRD7 BRAF AXIN2 ATM ASXL1	0 0.75 0 0.39 0 0 0 <mark>-0.25</mark> 0 0	0 0.15 0.53 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0.22 0 0 0 1.05 0 0 0 0 -0.01 0.93 0 0 0 0.23 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	0 0.67 0 0 0 0 0 0 0 4.08 0 0 0 0 0 0	0 -0.35 0 -0.02 0 4.96 0 0 0 -0.06	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ARID2 ALK AKT1 ZNF750 ZFP36L2 ZFP36L1 ZFHX3	0 0.23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.49 0 0 -0.13 0 0 0 0 0 0 0 0 0 0 0 0 0 1.96 0 1.14 0 0 0 0 0 0 0.18 0	0 0 0 0 0 0 0 0 0 0 0 0.05 0 0 0	0 0 0 0.59 0 0 0 0 -0.08 0.03 0 0 0 -0.9 0 0 0 0 0 0 0 0 0 0.3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0.64 0.2 (0 0.31 0 (0 0 0 0 0 (0 0.24 0 (0 0 0 -0.33 (0 0 0 0 0 0 0 0 0 1.43 0 0 0 0 0 0 0.55 0 0 0.62 0
XPO1 TSC2 STAG2 SOX9 SIN3A SETD2	0 0 0.59 0.33 0 0 0 0 0.71 0 0 1.43 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 -0.23 0 0 0 0 0 0 0 -0.1 0 0 0 0 0 0 0.66 0 0 0 2.06 0 0 0 0 0.2 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0.08 0 0 0.27 0 0 0 0 0 0 0 0.71 0.68	0 0 0 0 -0.11 0 0 0.6 0 0 0 0 0 0 0 0 0 0 0 -0.36 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.55 0
SETBP1 RPS6KA3 RFC1 RET RBM10 RASA1 RAD21	0 0 -0.12 0 0 0 0.66 0.83 0 0 0 0.01 0 0 0 0 -0.11 0 0 0 0.95 0 0.41 0 0 0.56 0 1.12 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1.63 0 0.37 0 0 0 0 0 -0.32 0 0 0 0.13 0.14 0 -0.06 0 1.33 0 0 0 0.76 0 1.12 0 0 0 0 0.27	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.99 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.28 0 0 0 0 0 0 0 0.12 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PBRM1 PAX5 MYC MTOR MET LATS1 KIT	0 0.51 0 0 0 0 0.19 0 0.41 0 0 0 0 0 0	0 0 0 0 0 0 0 0.55 0 0 0 0.55 0 0 0 0 0	0 0 0 0 0 0 0 0 0 1.35 0 0 0 1.75 0 0 0 0	0 0 0 0 0.1 0 0 0 0 -0.21 -0.49 0 0 0 0.66 0.05 0 0 0 0.65 0 0 0 0 0 0.81 0 0 0 -0.08 0.12	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0. 0 -0.02 0 0 0 -0.21 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
KEL KEAP1 KDM6A KDM5C IRF2 IDH1 HLA.B	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0.83 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.04 0 0 0 0.54 0 0 0 0 0 0 0 0 0 1.86 0 0	0 0 0 0 0 0.87 0 1.12 0 0 0 0 0 0 0	0 0 1.18 2.52 1.86 0 0 0 0 0 0.14 0 0 0 0.69 0 0 0.22 0 0 0 5.58 0 0 0	0 0 0 0 -0.08 0 0 0 0 0 0 0 0 0.22 0 0 -0.26 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HLA.A HGF H3F3A GTF2I GNAS GABRA6 FOXQ1	0 0 -1.12 0.91 0 0 0 -0.46 0 0 0.86 0 0 0.31 0 0 0.37 0 0 0 0 -0.34 0 0 0 0 0 0 0 0 0 0 2.02 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.91 0.69 0 0.75 0 0 0 0 0 0 0 -0.18 0 0 0 0 0 0 0 0 0.55 0.5 0.33	0 0 0.23 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.1 0.32 (0 0 0 0 (0 0 0 0.27 (0 0.31 0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 16 0.21 0 0 0 0 0 0 0 0.41 0
FOXA1 ERBB2 EPHA2 EP300 EGR3 EGFR DICER1	0 0.34 1.44 0 0 0 0.98 0.06 0.27 0 0 0.46 0 0 0 0 0.92 0 1.24 0 0 -1.06 0.29 0 0 0 0 0 0 0 0	0 0 0 0 1.04 0 0 0 0 0 0 0 0 0 0 9 0 0 0.48 0 0.77 0 0 0 0 0 0 0.34 0 0 0 0 0 0 0 0.17 0 0 0 0 0 0 0 0.17 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.34 0 0 0 0 0 0 0 0 0 0 0 0 -0.14 0 0 0 0 0 0 -0.05 0 0 2.79 0 2.24 0.08 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 2.28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0.11 0
DACH1 CUL3 BTG2 BCL2L11 B2M AXIN1 ATRX	0 0 0 0.14 0 0 0 0 0 0 0 0.13 -0.17 0 0 0 0 0 1.33 0 0 0 -0.07 0 0	0 0 0 0.48 0 0 0 0 0 0 0 -0.08 0.86 0 0 0 3.7 0 0 0	0 0 0 0 1.41 0 0 0.72 0 0 0.34 0 0 0 0.09	0 0 0.23 0.52 0.69 0 0 0 0 0.53 0 0 0 0 0 0 0 0 0 0 -0.25 0 0 0 0 0.29	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0.8 0 0 0 0 0
ATRX ATR APC AMER1 ALB WT1 TXNIP TRAF3	0 0 0 0.24 0	0 0.02 0 0 0 0 0.05 0 0 4.09 0 0 0 0 0 0 0 0.45 0 0 -0.06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0.39 0 0 0 0 0.66 0 0 0 0 0 0 0.44 -0.19 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
TRAF3 TLR4 TBX3 SMC1A SMARCB1 SMAD2 RXRA RPL22	0 0 0 0.26 0 0 0 0 0.68 0 0 0.16 0.3 -0.03 0 0 0 0 0 0.09 0 0 0 0 0 0 0 0 1.3 0 0 0 0 -0.71 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1.29 0.9 0 0 0 0.06 0.32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 -0.14 0.05 0 0 0 0 -0.22 0	0 0 0 0 0 0 0 0.44 0 0 0 0 0 0 0		0 0.61 0.99 0 0 0 0 0 0 0 0 0.32 0 0 0.07 0 0		$egin{array}{cccccccccccccccccccccccccccccccccccc$
RPL22 RNF111 RIT1 RHOA PTMA POLRMT POLQ PLCB4	0 -0.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.21 0 0 0 0 0 0 0 0 1.63 0 0 0 -0.16 2.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0
PLCB4 PIM1 PIK3R2 PIK3R1 PIK3CB PHF6 PDGFRA PCBP1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1.19 0 0 0 0 0 0 0 0 0.54 0 0 0 0 0 0 1.27 0 0 0 0 0 0 0.28 0 0 0 0 0 0.51 0 -0.1 0 0 0 0 0.98 0 0		0 0 0 -0.01 0.19 0 0 0 0 0.21 0 0 0 0 0 0 0 0 0 0.61 0 0 0 0 0 0 0 0 0.78 0.13	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
NPM1 NOTCH2 NIPBL NCOR1 MYH9 MSH6 MSH2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.07 2 0 0 0 0 0 0 0 0 0.18 0 0 0	0 0 0.28 -0.32 0 0 0 0 0.01 0.3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MGMT MAP3K4 MAP2K4 KRT222 KMT2B IDH2 HIST1H1C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -0.05 0 0 0 1.13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.38 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.19 0 0 0 0.05 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FUBP1 ERCC2 EPHA3 EPAS1 DAZAP1 COL5A1	0 0.32 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0.92 0 0 0.19 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -0.11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1.59 0 0 0 0 -0.21 0 0 0.37 0 0 0 0 0.13 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
COL5A1 CDKN1B CDKN1A CBWD3 CASP8 CACNA1A BCOR BCL2	0 0 -0.06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0.06 (0 0 0 0 0 0 -0.09 (0 0 0 0 0 0 0 1.23 (0 0 0 0 0 -0.11 0 (0 0 0 0 0 0 0 0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.84 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.42 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ASXL2 ARHGAP35 AR AJUBA ABL1 ZMYM3	0 0.49 0 0 0 0 0 0 0.28 0	0 0 0 0 0 0 0 -0.19 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0.01 0 0 0 0 0 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0 -0.07 0 0 0 0 0 0 0.14	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0.94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.17 0
ZCCHC12 ZBTB20 WHSC1 USP9X TSC1 TNFAIP3 TMSB4X TGIF1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0.34 0 0 0.9 0.6 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.68 0 0 0.68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0.39 0 0 0 0 0
TGIF1 TCF7L2 TBL1XR1 TAF1 SRSF2 SPOP SOX17 SOS1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1.12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.36 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1.26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2.92 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0.51 0 0 0 0 0 0.36 0 0 0.25 0 0 0 0 0 2.38 0.7 0 1.43 0 0 0 0
SF1 RUNX1 RRAS2 RAF1 RAC1 PTPRC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.49 0 .93 0.55 0.41	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	52 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -0.07 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0.7 0 0 0 0 0 0 0 0 0
PPM1D POLE PMS2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.12 0 0 0 0 0 0 0 0 1.07 0 0 0 0 0 0.14 0 0 0 0 0 0 0 0.01 0 0 0 0 0 0 0.39 0 0 0		0 0 0 0 -0.08 0 0 0 0 -0.11 0 0 0 0 0 0 0.33 0 0 0 0 0 0 0 0.53 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.14 (0 0 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MECOM LEMD2 LATS2 KMT2A KANSL1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 -0.23 0 0 0 0 -0.02 0	0 -0.01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
JAK2 JAK1 IL7R IL6ST HIST1H1E GPS2 GNA11	0 0 0 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0.29 0 0 0 0 0.74 1.11 0 0 0.95 -0.39 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FGFR1 ERBB3 DIAPH2 CSDE1 CHD4 CDK4 CDH1	0 0 0.14 0 0 0 0.81 0 0.4 0 0 0.49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 -0.06 0.07 0 0 0 2.22 -0.12 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.64 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.07 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0.2 0 0 1.06 0.2 0 0 0 0
CBFB BRCA1 ATXN3 ZMYM2 ZC3H12A UNCX THRAP3	0 0 1.03 0 0 0 0 0.83 0.49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.18 0 0 0 0 0 0	0 0.61 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 1.07 0 0 0 0 0 0 0 0 0.9 0 0 0 0 0 0 0 0 0 0
STK11 SMARCA1 SF3B1 RQCD1 RPL5 NSD1 MYD88	0 0 0 1.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MAPK1 MAP2K1 IRF6 GRIN2D GNA13 GATA3 FOXA2	0 0.07 0 0 0 0 0.57 0 0 0 0 0 2.52 0 0 0 0 0 0 0	0 0 0 0 0 0 0.95 0 0 0 0 0 0 0 0 0 0 0 0.49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0.57 0 0 0 0 0.57 0 0 0 0 0 0.39 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1.59 0 0 0 0 0 0 0 0.03 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0
EZH2 EIF1AX EEF2 EEF1A1 DHX9 DDX3X CYSLTR2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0.08 0 0 0 0 0 0 0 0 0 0 0 0.71 0 0 0 0 0.57 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.49 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1.2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0.99 0
CTCF CREB3L3 CNBD1 CIC CHD3 CEBPA CDKN2C	0 0 0.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 1.37 0 0 0 0 0
CDKN2C CD79B CD70 ARID5B ARAF ACVR1B ZNF133	0 0 -0.37 0 0 0 0 1.46 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0.02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0.87 0 0 0.31 0 0 0.5 0 0 0 0
TCF12 TCEB1 RHEB PPP6C PMS1 NUP93		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.71 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
MYCN MSH3 MLH1 FGFR2 ESR1 ELF3 CUL1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0.26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0 0 0 0 1.03 0 0 0.09 0 0 0 0
CHEK2 CCND1 ACVR1 RARA PDS5B JAK3 ATF7IP	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.12 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 0 0 0.09 0 0 0.6 0 0 0 0 0 0 0 0 0
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