PPP6C -KDM6A -SETD2 -CD70 CD79B B2M PTMA HLA-B IL6ST IRF2 HLA-A HRAS RRAS2 MAP2K1 NRAS RPS6KA3 MAP3K4 KRAS BRAF NF1 MYD88 CARD11 NOTCH1 KRT222 -CBWD3 -TMSB4X -TXNIP -RPL5 -POLRMT -GRIN2D -CNBD1 -RPL22 -ALB -KEL -GABRA6 -MYH9 -CACNA1A -KIF1A -SPTAN1 -COL5A1 -SPTA1 -SPTA1 -APOB -DMD -RHOB-GPS2-PIM1-LEMD2-RHOA-GNA11-RAC1-NF2-CYSLTR2-PTPDC1-GNAQ-MAP2K4-PTPN11-LATS2-PLXNB2-PLXNB2-PLXNB2-CDH1-SOS1-DIAPH2-ARHGAP35-MAP3K1-PTPRD-FAT1-AI1

AKT1

PIK3R2

MAPK1

PPP2R1A

INPPL1

MTOR

PIK3R1

PIK3CA

PTEN

TCER1 TCEB1 -ATXN3 -ATXN3 EIF1AX TNFAIP3 EEF1A1 -CUL1 -CYLD -BAP1 -EEF2 -CUL3 -SPOP -FRXW7 FBXW7 -VHI -USP9X HUWE1 PCBP1 RQCD1 ZFP36L2 ZC3H12A -ZFP36L1 -NUP93 -NUP133 -XPO1 -DHX9 -DDX3X -FAM46D -RBM10 -CSDE1 -SCAF4 -DICER1 -RIT1-FGFR3-ERBB2-FLT3-EPHA2-ERBB4-PLCG1-ERBB3-MET-KIT-EGFR-RET-RASA1-RAŠĀ1 - I JAK1 - I FGFR2 - I PDGFRA - I U2AF1 -SRSF2 -SF1 -DAZAP1 -THRAP3 -SF3B1 + TGFBR2 -SMAD2 -DACH1 -ACVR1B -ACVR1 -SMAD4 -ACVR2A -TSC2 -STK11 -TSC1 -FOXQ1-GTF21-CREB3L3-ZBTB7B-ZBTB7B-ZNF750-ZNF133-SOX17-TGIF1-PGR-ELF3-KLF2-TCF12-ZCHC12-FUBP1-MYCN-NFE2L2-ZCHC12-FUBP1-MYCN-NFE2L3-SOX9-LZTR1-FOXA1-RUNX1-FOXA1-RUNX1-EPAS1-ZBTB20-MECOM-ZMYM2-GATA3-MED12-TAF1-MICOM-ZMYM2-AXIN1 -TCF7L2 -RNF43 -CTNND1 -AMER1 -PTCH1 -CTNNB1 -APC -**MGMT**  $\rightarrow$ - 111-4 1 1 1 1 1 1 - 11 +|+-11- $\rightarrow 1 + \cdot$ \_\_\_\_ 414 - 🛅 🕹 \_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_ 11 1 1 1 1 1 1 1.1 1 1 1 1 1 1 · 🕅 🕆 NA 100 --- 111-1  $\rightarrow$  $| \rightarrow$ - 11 ---بنايات \_\_\_\_ \_\_\_\_\_ \_\_\_\_ \_\_\_\_\_ \_\_\_\_ \_\_\_\_\_ ᆚ - 111 -1 ÷. 1.5 -11 +-11-- 111 ---41-4 بالرال  $\perp$   $\perp$ 11 \_\_\_\_ 414 -18-1 1 | ||--Hr 1 1.1 1.1 1.1 1,1 -6-30 3 6-6-3 -Log<sub>10</sub>(PVal) ×sign(change)