

Supplementary Table 7. Low frequency gene fusions detected in the sample cohort.

Fusion	Cancer Type (n=)	Total n= 40
FGFR3-TACC3	Head & Neck, squamous cell carcinoma (1) Prostate, adenocarcinoma (1) Glioblastoma (2) High grade glioma (1)	5
EGFR VIII	Glioblastoma (6) Prostate (1)	7
EGFR-SEPT14	Glioblastoma (2) Anaplastic oligodendroglioma (1) Colorectal squamous cell carcinoma (1)	4
CAPZA2- MET	Glioblastoma (2) Colorectal adenocarcinoma (1)	3
FGFR2-BICC1	Cholangiocarcinoma (2)	2
PTPRZ1-MET	Glioblastoma (2)	2
CCDC6-RET	Thyroid carcinoma (1) Lung adenocarcinoma (1)	2
AGK-BRAF	Glioblastoma	1
EIF3E-RSPO2	Colorectal adenocarcinoma	1
FIP1L1-PDGFR	Glioblastoma	1
FNDC3B-PIK3CA	Pancreatic adenocarcinoma	1
KIF5B-RET	NSCLC	1
PCM1-BRAF	Angiosarcoma	1
NCOA4-RET	NSCLC	1
SND1-BRAF	Prostate, adenocarcinoma	1
SND1-MET	NSCLC	1
TMEM178B-MET	Rectal adenocarcinoma	1
TMEM178B-BRAF	Teratoma	1
BRAF-MRPS33	Prostate, adenocarcinoma	1
FGFR1-NRG1	Breast adenocarcinoma	1
KANK1-NTRK3	Breast adenocarcinoma	1
PTPRK-RSPO3	Colorectal adenocarcinoma	1