

Supplementary Table S2 Novel fusions in CNS tumor and Solid tumor

CNS tumor (26/74)	ALK-LOC102724152	Solid tumor (22/42)	ARID1A-ZDHHC18
	ATM-EXPH5		ASB12-AMER1
	B4GALT1-MRPS18A		CREB3L1-TP53
	BRCA2-C16orf74		DIAPH1-LINC01947
	CUL3-DNER		DNAH2-STX8
	DENND2A-BRAF		EPC1-EWSR1
	QKI-ALK		GLIPR2-FANCC
	RIN2-BRAF		H6PD-TP53
	RND1-BRAF		ITPR2-CHD4
	MRPS33-BRAF		MATR3-NPM1
	NOTCH1-LINC00293		NTM-YAP1
	NOTCH1-LINC01591		NTRK3-NCOA6
	NOTCH1- LOC101927657		OGDHL-WDFY4
	FZR1-SMARCA4		OMA1-CNOT2
	ENOX1-TYRO3		PCM1-SYNE2
	H2AFX-TESK2		RAP1B-NUP107
	LEMD3-GRIP1		SMC3-ANKRD27
	LINC00293-NOTCH1		STK32A-ANKHD1
	MTSS1-NOTCH1		TERT-SEMA5A
	PABPC1-PABPC3		TP53-CREB3L1
	PDGFRA-DCUN1D4		YAP1-NTM
	PKN3-ZDHHC12		ZMYM2-LATS2
	STIM2-KDR		
	TEN1-CDK3-NF2		
	TMEM165-PDGFR		
	TMPRSS12-BRAF		