

Online Resource 1

ALK-Positive Histiocytosis with *KIF5B-ALK* Fusion in the Central Nervous System

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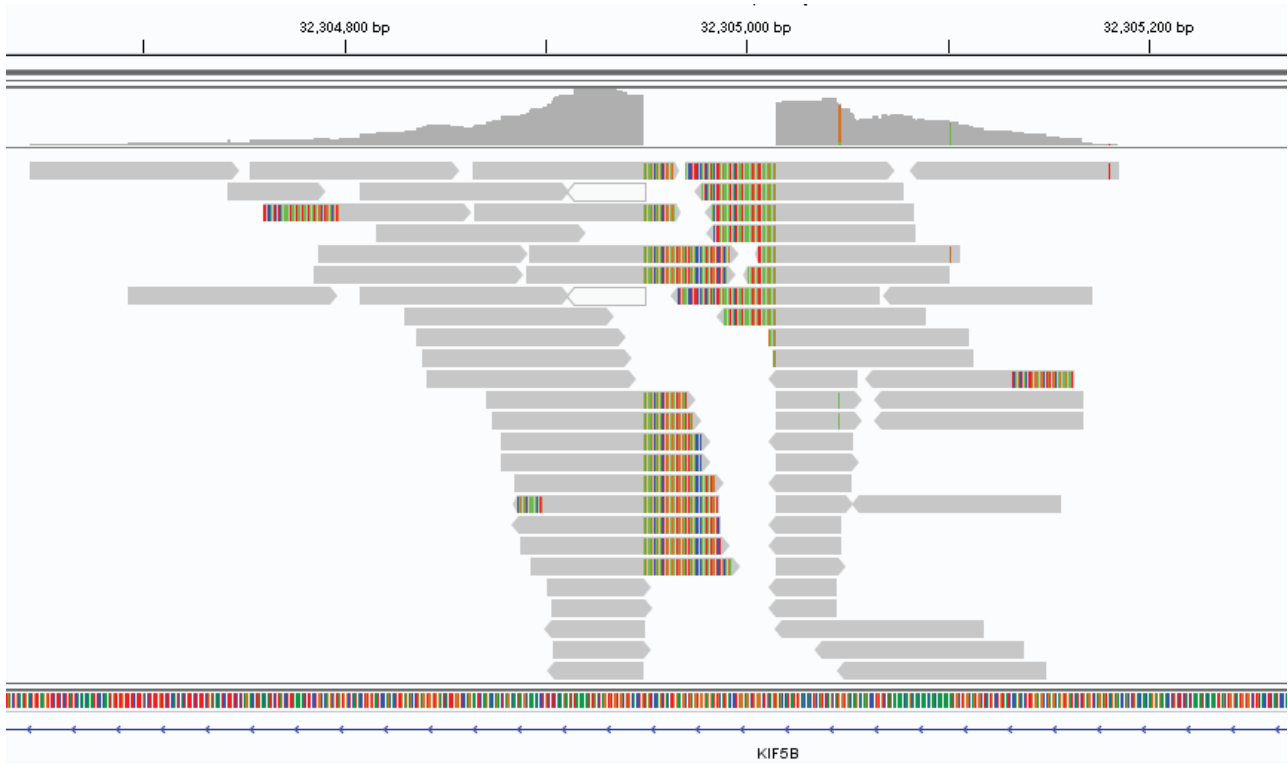
Supplementary Table 1. *KIF5B-ALK* gene fusion coordinates.

Supplementary Figure 1. Snapshots from the Integrated Genome Viewer over the fusion breakpoints in *KIF5B* and *ALK* from case 2.

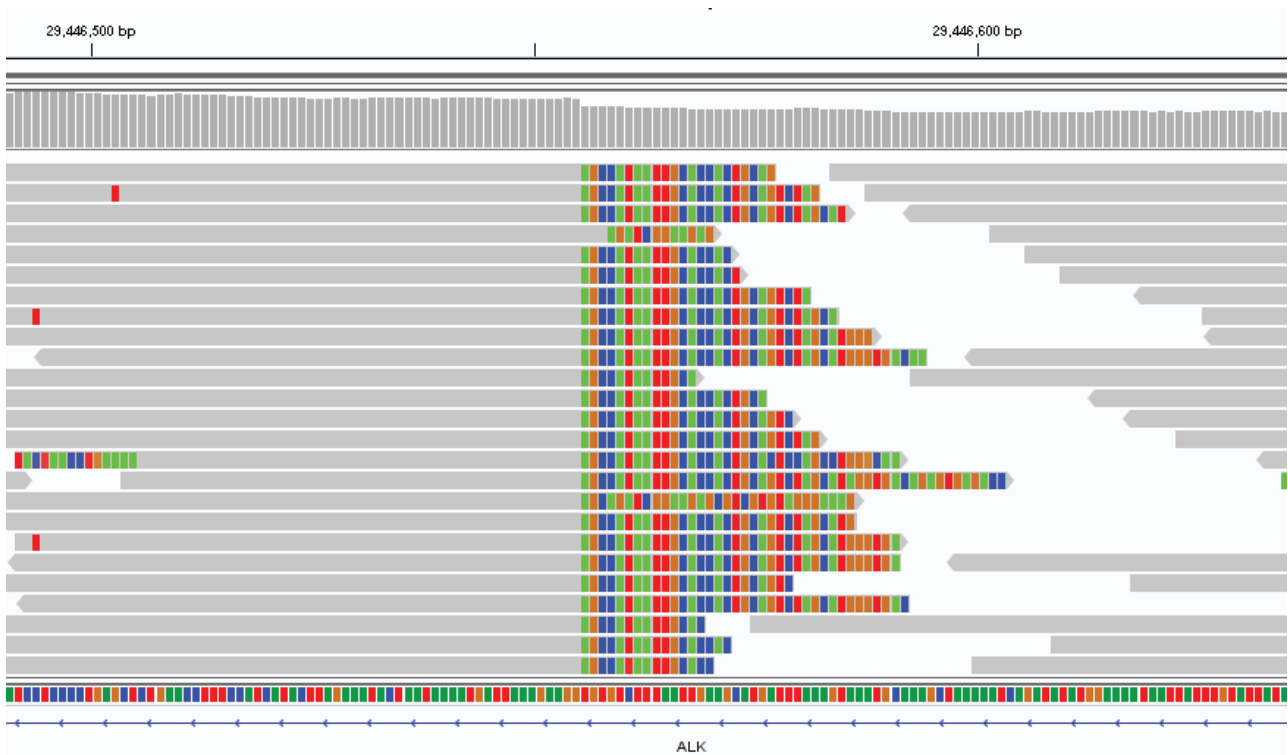
Supplementary Table 1. *KIF5B*-*ALK* gene fusion coordinates.

Tumor ID	Structural variant	Fusion type	N-terminal gene						C-terminal gene					
			Gene	Chromosome	Breakpoint position	Transcript ID	Fused exons	Fused amino acids	Gene	Chromosome	Breakpoint position	Transcript ID	Fused exons	Fused amino acids
case 1	translocation	in-frame	KIF5B	chr10	g.32,306,071	NM_004521	1-24	1-920	ALK	chr2	g.29,446,394	NM_004304	20-29	1059-1620
case 2	translocation	in-frame	KIF5B	chr10	g.32,305,017	NM_004521	1-24	1-920	ALK	chr2	g.29,446,555	NM_004304	20-29	1059-1620

Fusion breakpoint within intron 24-25 resulting in fusion of exons 1-24 (codons 1-920) of *KIF5B* (RefSeq transcript NM_004521)



Fusion breakpoint within intron 19-20 resulting in fusion of exons 20-29 (codons 1059-1620) of *ALK* (RefSeq transcript NM_004304)



Supplementary Figure 1. Snapshots from the Integrated Genome Viewer over the fusion breakpoints in *KIF5B* and *ALK* from case 2.