

Fusion Event KMT2A-CBL Affects Interaction 2y1n

(This fusion has no direct effect on interaction 2y1n)

[Interactome3D](#)

Interaction Complex: 2y1n

CBL

Chain: C

Length: 1 - 906

Included in Interaction: 52 - 435

ZAP70

Chain: D

Length: 1 - 619

Included in Interaction: 289 - 297

[PDBe](#)

Reaction: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.

Author Description: Structure of c-Cbl-ZAP-70 peptide complex

Citation: Citation not listed.

[Pfam](#)

Cbl_N: 51-175

Cbl_N2: 179-262

Cbl_N3: 264-349

Prok-RING_4: 381-429

UBA: 856-892

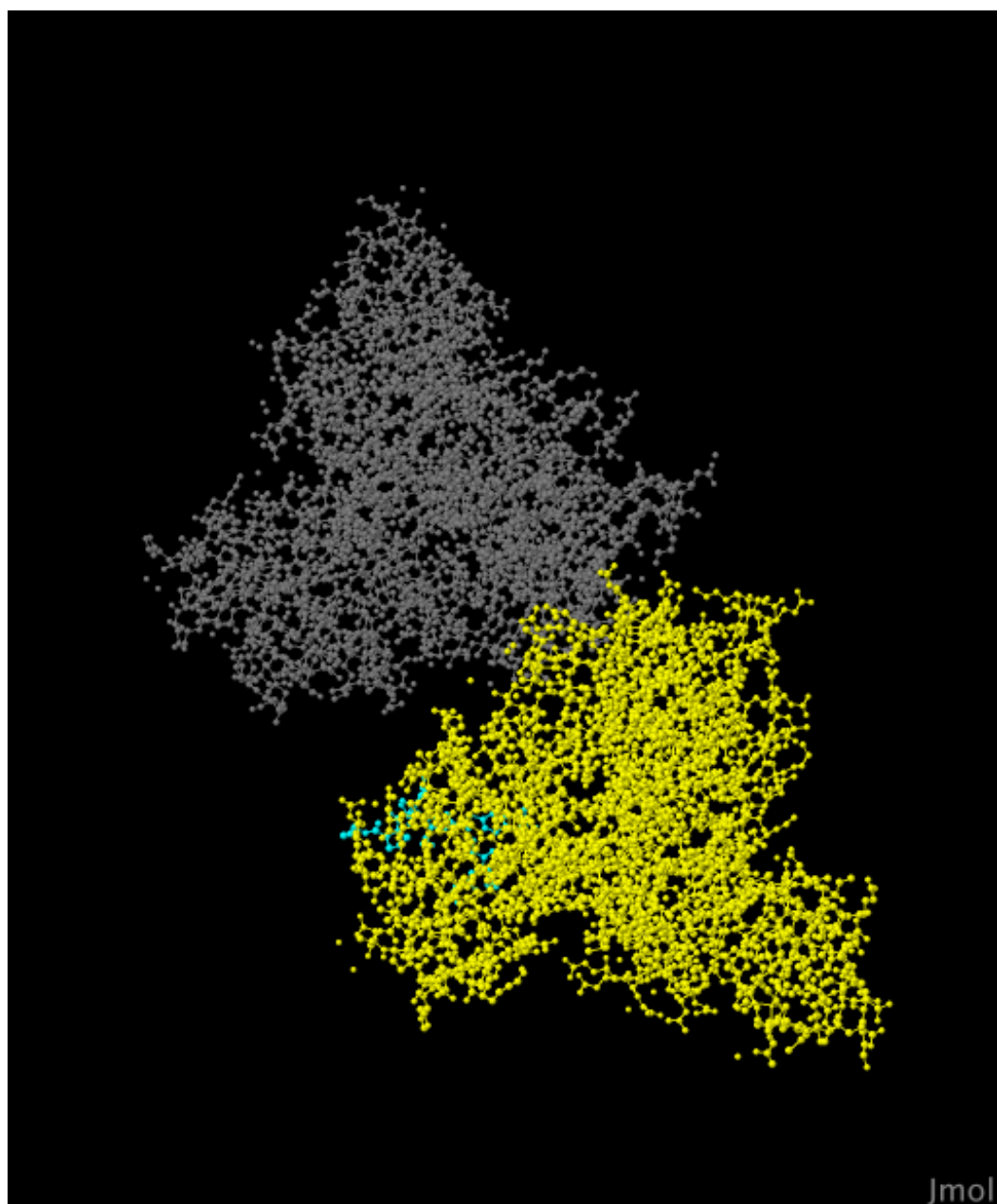
[COSMIC](#)

Mutation: COSF1971

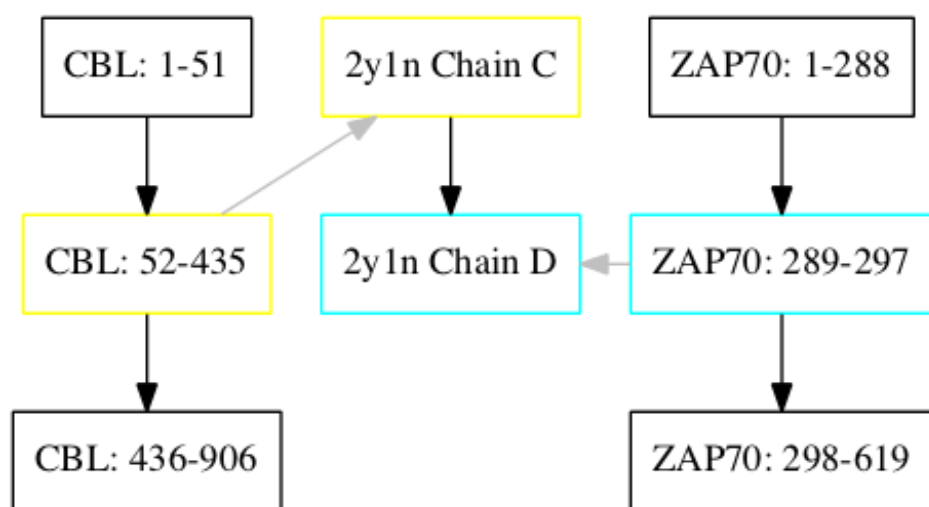
First Gene in Fusion: KMT2A, genomic breakpoint: 4086+366, AA breakpoint: 122

Second Gene in Fusion: CBL, genomic breakpoint: 1808-5749, AA breakpoint: 1916

Jmol



Interaction Schematic



Fusion Effect Schematic

