

# Fusion Event CREBBP-KMT2A Affects Interaction 3emh

## Interaction chain B in leading part of fusion product

### [Interactome3D](#)

Interaction Complex: 3emh

WDR5

Chain: A

Length: 1 - 334

Included in Interaction: 33 - 332

KMT2A

Chain: B

Length: 1 - 3969

Included in Interaction: 3764 - 3769

### [PDBe](#)

Reaction: S-adenosyl-L-methionine + L-lysine-[histone] = S-adenosyl-L-homocysteine + N(6)-methyl-L-lysine-[histone].

Author Description: Structural basis of WDR5-MLL interaction

Citation: <http://europepmc.org/abstract/MED/18840606>

### [Pfam](#)

zf-CXXC: 1147-1194

PHD: 1481-1533

PHD: 1568-1627

zf-HC5HC2H: 1900-1978

FYRN: 2024-2071

FYRC: 3666-3748

SET: 3840-3945

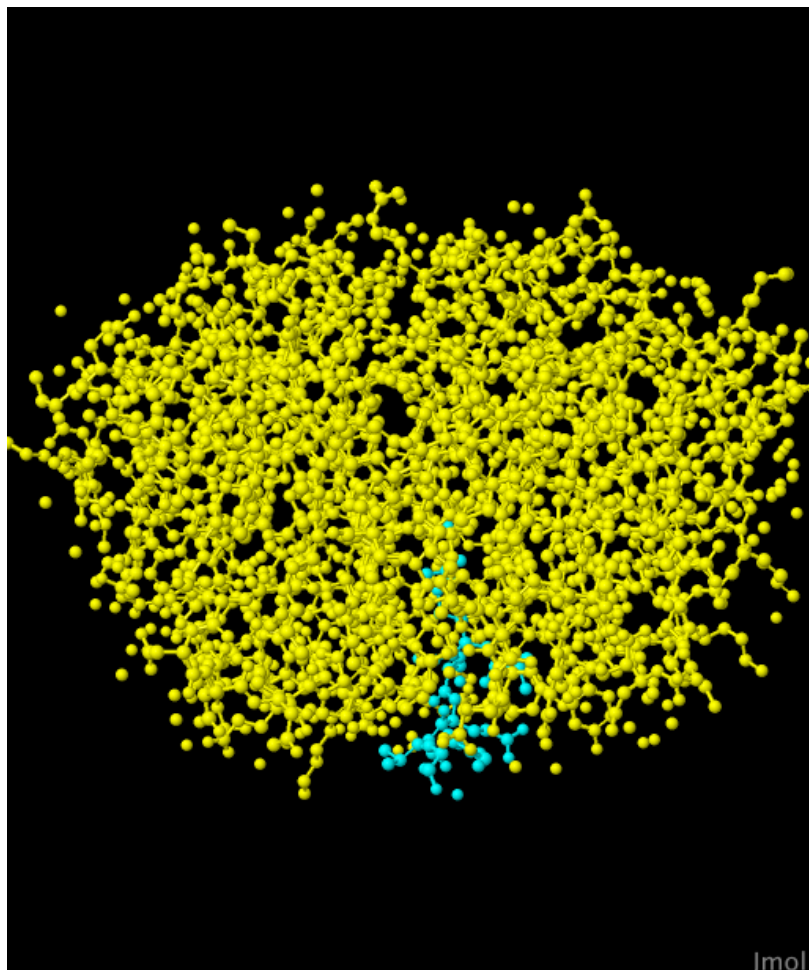
### [COSMIC](#)

Mutation: COSF1875

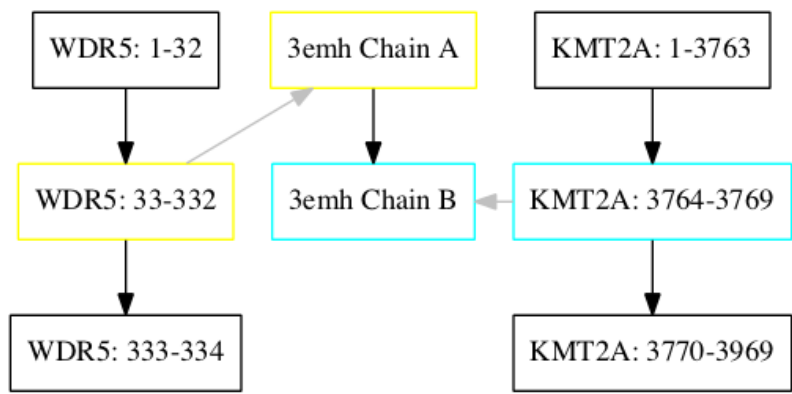
First Gene in Fusion: KMT2A, genomic breakpoint: 4332, AA breakpoint: 1444

Second Gene in Fusion: CREBBP, genomic breakpoint: 1609, AA breakpoint: 536

### Jmol



**Interaction Schematic**



**Fusion Effect Schematic**

