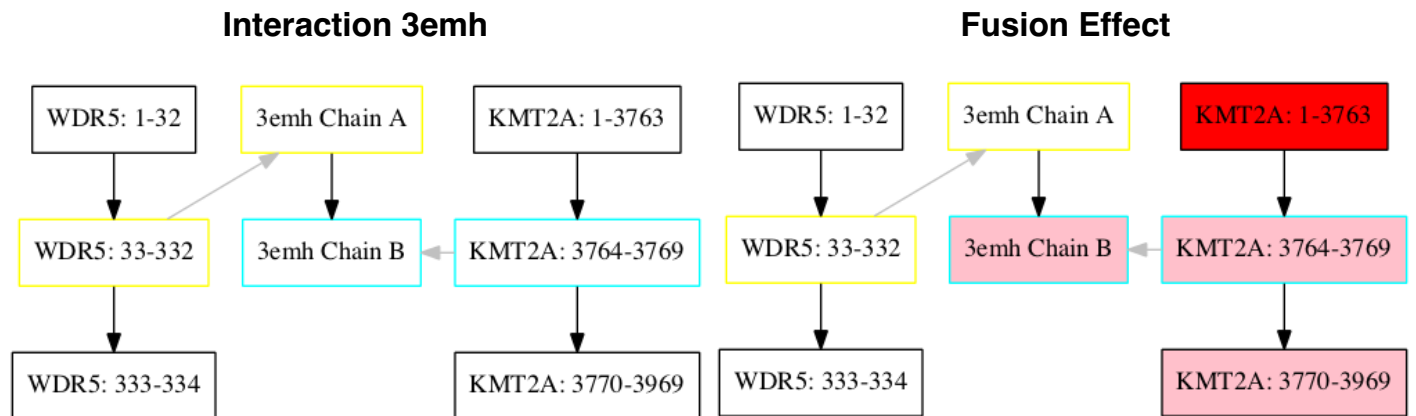


Fusion KMT2A-CREBBP and Interaction WDR5-KMT2A (Complex 3emh):

Interaction complex 3emh chain B, from gene "KMT2A", has been found in the leading part of the KMT2A-CREBBP fusion product



Complex: 3emh  
WDR5

- Chain: A
- Length: 1 - 334
- Included in Interaction: 33 - 332

KMT2A

- Chain: B
- Length: 1 - 3969
- Included in Interaction: 3764 - 3769



- zf-CXXC: 1147-1194
- PHD: 1481-1533 <- Pfam domain included in fusion product
- PHD: 1568-1627 <- Pfam domain included in fusion product
- zf-HC5HC2H: 1900-1978 <- Pfam domain included in fusion product
- FYRN: 2024-2071 <- Pfam domain included in fusion product
- FYRC: 3666-3748 <- Pfam domain included in fusion product
- SET: 3840-3945 <- Pfam domain included in fusion product

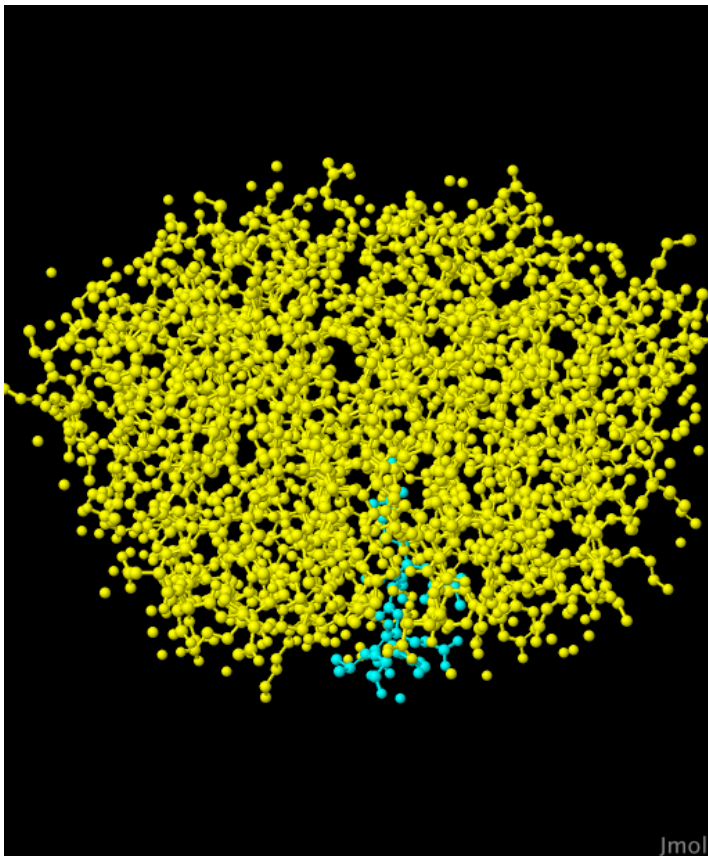


Mutation: COSF1875

- KMT2A genomic breakpoint: 4332
- KMT2A AA breakpoint: 1444
- CREBBP genomic breakpoint: 1609
- CREBBP AA breakpoint: 536

Other interactions affected by fusion KMT2A-CREBBP

- CREBBP-ZFHX3



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>

