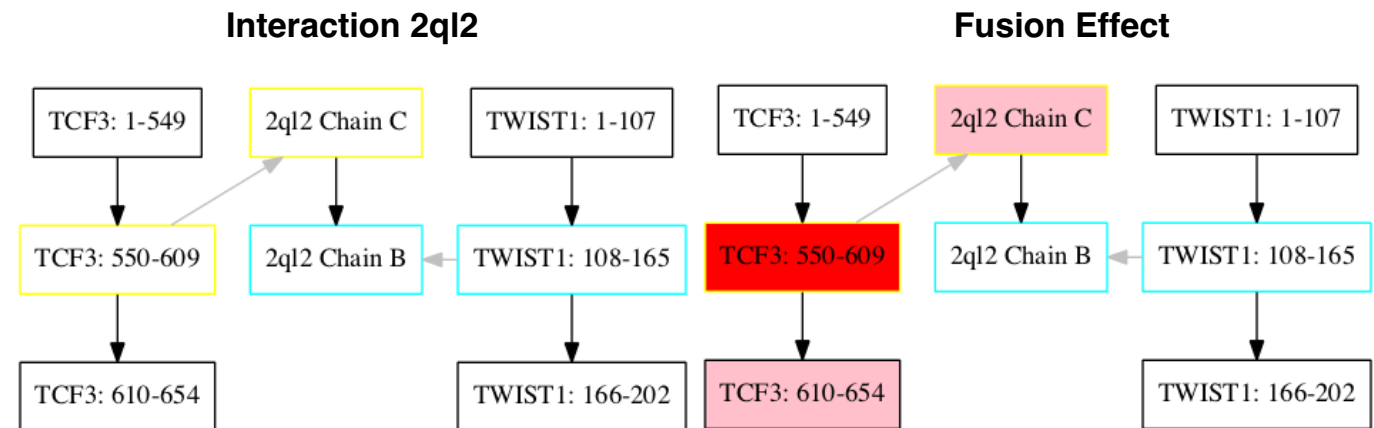


## Fusion TCF3-PBX1 and Interaction TCF3-TWIST1 (Complex 2q12):

Interaction complex 2q12 chain C, from gene "TCF3", has been found in the leading part of the TCF3-PBX1 fusion product



Complex: 2q12  
TCF3

- Chain: C
- Length: 1 - 654
- Included in Interaction: 550 - 609

TWIST1

- Chain: B
- Length: 1 - 202
- Included in Interaction: 108 - 165



- **HLH: 550-603** <- Pfam domain split by fusion



**COSMIC**

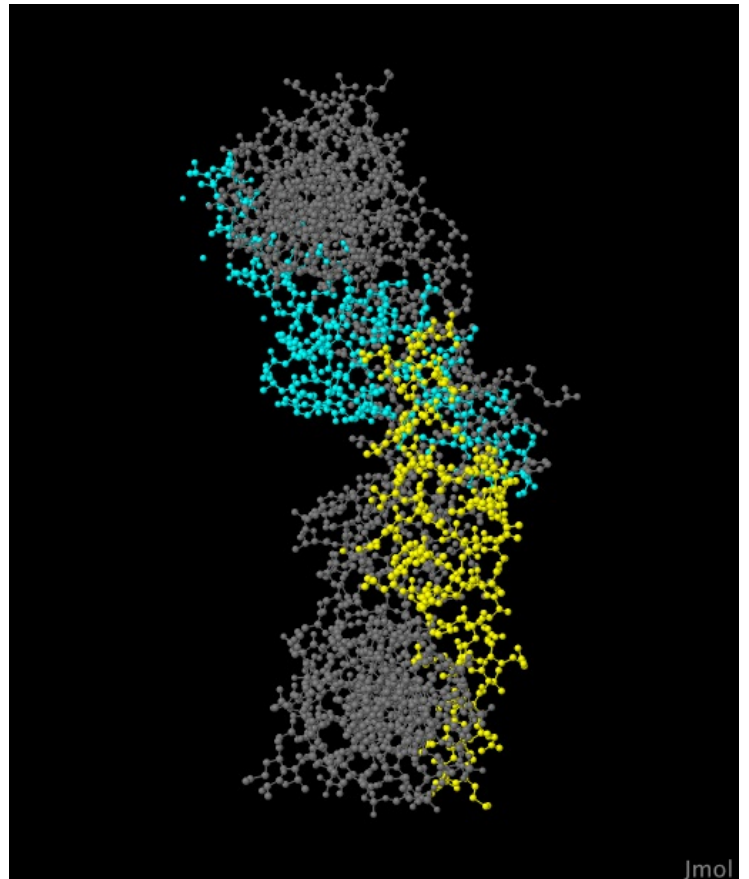
Catalogue of somatic mutations in cancer

Mutation: COSF1490

- TCF3 genomic breakpoint: 1795
- TCF3 AA breakpoint: 598
- PBX1 genomic breakpoint: 454
- PBX1 AA breakpoint: 151

Other interactions affected by fusion TCF3-PBX1

- PBX1-ZIC3



Reaction:

- Biological process not assigned.

Author Description:

- Crystal Structure of the basic-helix-loop-helix domains of the heterodimer E47/NeuroD1 bound to DNA

Citation:

- <http://europepmc.org/abstract/MED/18069799>

