

Fusion Event PBX1-TCF3 Affects Interaction 2ql2

Interaction chain C in leading part of fusion product

[Interactome3D](#)

Interaction Complex: 2ql2
TCF3
Chain: C
Length: 1 - 654
Included in Interaction: 550 - 609
TWIST1
Chain: B
Length: 1 - 202
Included in Interaction: 108 - 165

[PDBe](#)

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>

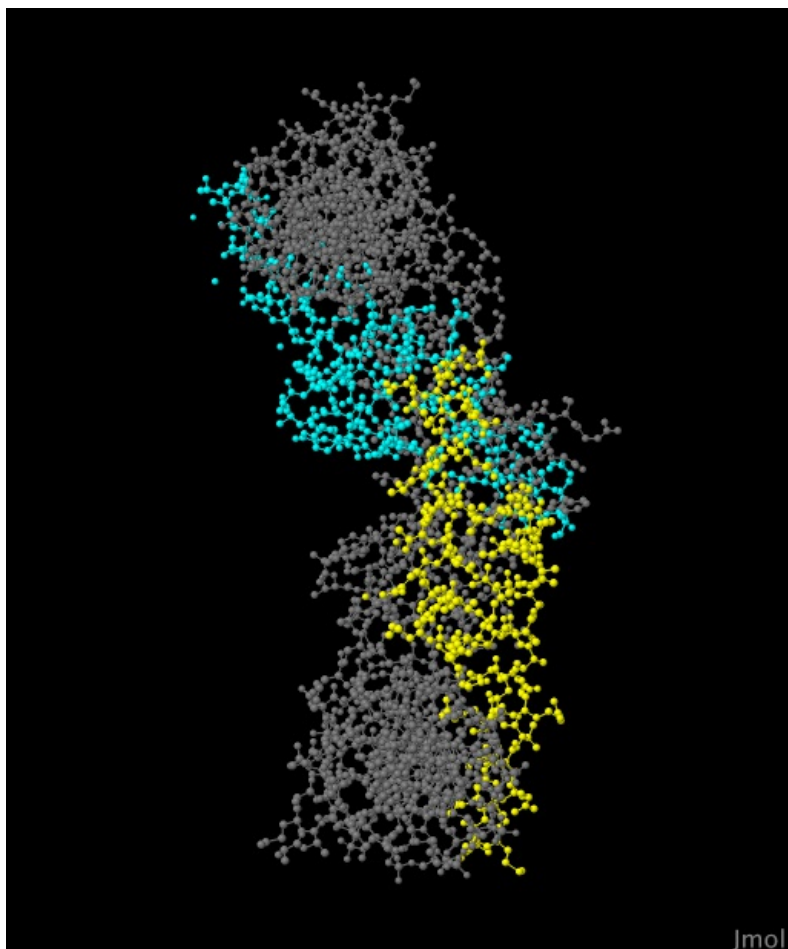
[Pfam](#)

HLH: 550-603

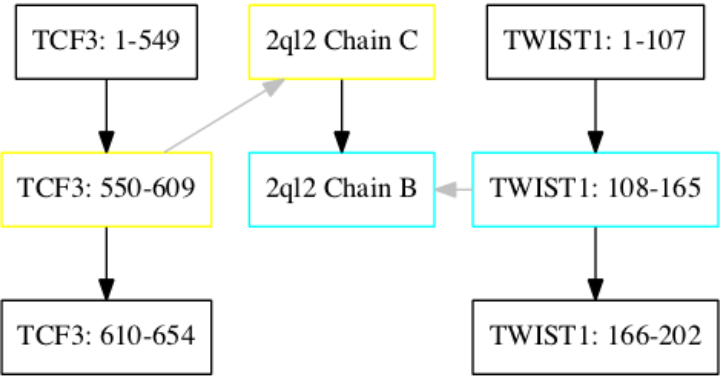
[COSMIC](#)

Mutation: COSF1490
First Gene in Fusion: TCF3, genomic breakpoint: 1795, AA breakpoint: 598
Second Gene in Fusion: PBX1, genomic breakpoint: 454, AA breakpoint: 151

Jmol



Interaction Schematic



Fusion Effect Schematic

