Fusion PBX1-TCF3 and Interaction 2ql2: Chain C in leading part of fusion product

Interaction 2q12 Fusion Effect TCF3: 1-549 TWIST1: 1-107 TWIST1: 1-107 TCF3: 1-549 2q12 Chain C 2q12 Chain C TCF3: 550-609 TWIST1: 108-165 TCF3: 550-609 TWIST1: 108-165 2q12 Chain B 2q12 Chain B TCF3: 610-654 TWIST1: 166-202 TCF3: 610-654 TWIST1: 166-202 **Interactome3D** Interaction Complex: 2ql2 • TCF3 o Chain: C o Length: 1 - 654 • Included in Interaction: 550 - 609 TWIST1 o Chain: B o Length: 1 - 202 o Included in Interaction: 108 - 165

Pfam

<u>COSMIC</u>

• HLH: 550-603

Mutation: COSF1490

- First Gene in Fusion: TCF3
 - o genomic breakpoint: 1795
 - o AA breakpoint: 598
- Second Gene in Fusion: PBX1
 - o genomic breakpoint: 454
 - o AA breakpoint: 151

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