

**left-dup-inv(3)(p26.3p26.2)**

- left duplication inversion on Chr3: 2706848(p26.3) - 3068226(p26.2)
- all genes near breakpoints: ['CNTN4-AS1', 'IL5RA', 'TRNT1', 'CRBN', 'CNTN4']
- genes near breakpoints documented in DDG2P:  
CRBN(609262): INTELLECTUAL DEVELOPMENTAL DISORDER AUTOSOMAL RECESSIVE TYPE 2A(607417)
- TRNT1(612907): Retinitis pigmentosa and erythrocytic microcytosis(616959)
- all genes with +1 CN: ['CNTN4', 'CNTN4-AS1', 'IL5RA']
- genes with +1 CN documented in DDG2P: None

**ins(3)(p26.3p26.3p26.2)**

- insertion of Chr3: 2706848(p26.3) - 3068226(p26.2) into Chr3: 17438
- all genes near breakpoints: ['CHL1', 'CHL1-AS2', 'IL5RA', 'TRNT1', 'LINC01986', 'CNTN4-AS1', 'CRBN', 'CNTN4']
- genes near breakpoints documented in DDG2P:  
CRBN(609262): INTELLECTUAL DEVELOPMENTAL DISORDER AUTOSOMAL RECESSIVE TYPE 2A(607417)
- TRNT1(612907): Retinitis pigmentosa and erythrocytic microcytosis(616959)
- all genes with +1 CN: ['CNTN4', 'CNTN4-AS1', 'IL5RA']
- genes with +1 CN documented in DDG2P: None