inv(3)(p26.3p22.1)

- inversion on Chr3: 0(p26.3) - 41697819(p22.1)

- all genes near breakpoints: ['ULK4', 'CHL1-AS2', 'LINC01986', 'CHL1']

- genes near breakpoints documented in DDG2P: None

dup(9)(p11.2)

- tandem duplication on Chr9: 40602586(p11.2) - 41201918(p11.2)

- all genes near breakpoints: ['LOC440896', 'CBWD5', 'LOC101929583', 'FGF7P3', 'FOXD4L6', 'LOC102724580', 'PGM5P2', 'CBWD3', 'MIR4477A', 'LOC102724238', 'FRG1HP', 'LOC107984035', 'MIR4477B', 'AQP7P3', 'CBWD6', 'LOC105379443', 'GLIDR', 'LOC554249']

- genes near breakpoints documented in DDG2P: None

- all genes with +1 CN: ['MIR1299', 'FRG1HP', 'PGM5P2', 'LOC440896', 'FOXD4L6', 'CBWD3', 'CBWD6', 'CBWD5']

- genes with +1 CN documented in DDG2P: None

dup(9)(q21.11)

- tandem duplication on Chr9: 66738214(q21.11) - 67475278(q21.11)

- all genes near breakpoints: ['LOC101927827', 'CNTNAP3P2', 'ZNF658', 'LOC103908605']

- genes near breakpoints documented in DDG2P: None

- all genes with +1 CN: ['ZNF658', 'FAM74A3', 'SPATA31A3', 'LOC105379450', 'CNTNAP3P2']

- genes with +1 CN documented in DDG2P: None

del(3)(q29p22.1)

- deletion on Chr3: 198230597(q29) - 41697819(p22.1)

- all genes near breakpoints: ['LMLN', 'ULK4', 'CHL1-AS2', 'CHL1', 'ANKRD18DP', 'LMLN-AS1', 'LINC01986', 'FAM157A']

- genes near breakpoints documented in DDG2P: None

- all genes with -1 CN: []

- genes with -1 CN documented in DDG2P: None