inv(16)(p12.2)

- inversion on Chr16: 21502978(p12.2) - 22436123(p12.2)

- all genes near breakpoints: ['MIR3670-2', 'MIR6770-3', 'MIR3179-4', 'NPIPA8', 'LOC101927814', 'CRYM', 'EEF2K', 'IGSF6', 'MIR6511A3', 'MIR6770-1', 'MIR3179-2', 'RRN3P3', 'MIR3180-2', 'OTOAP1', 'MIR6511A2', 'SMG1P3', 'METTL9', 'MIR3670-1', 'NOMO2', 'MIR6511A4', 'MIR3680-1', 'MIR3670-3', 'MIR3180-3', 'NPIPB3', 'SLC7A5P2', 'OTOA', 'ABCC6P1', 'SNX29P1', 'MIR3680-2', 'LOC100190986', 'MFSD13B', 'CRYM-AS1', 'MIR3180-1', 'MIR3670-4', 'POLR3E', 'CDR2', 'MIR3179-3', 'NPIPA7', 'PKD1P4-NPIPA8', 'SMG1P1', 'MIR3179-1', 'NPIPB5', 'PKD1P5-LOC105376752', 'MIR6770-2', 'MIR6511A1', 'LOC100288162', 'LOC440346']

- genes near breakpoints documented in DDG2P: None

dup(6)(q27)

- tandem duplication on Chr6: 167915661(q27) - 168181802(q27)

- all genes near breakpoints: ['AFDN-DT', 'LOC101929420', 'KIF25-AS1', 'LOC441179', 'HGC6.3', 'AFDN', 'KIF25', 'LINC00266-3', 'FRMD1', 'LOC105378137', 'LOC285766', 'DACT2', 'LINC01558']

- genes near breakpoints documented in DDG2P: None

- all genes with +1 CN: ['AFDN', 'HGC6.3', 'KIF25-AS1', 'KIF25', 'FRMD1']

- genes with +1 CN documented in DDG2P: None

del(13)(q31.1)

- deletion on Chr13: 83872929(q31.1) - 84478612(q31.1)

- all genes near breakpoints: ['SLITRK1', 'LINC00333']

- genes near breakpoints documented in DDG2P: None

- all genes with -1 CN: ['SLITRK1', 'LINC00333']

- genes with -1 CN documented in DDG2P: None