

inv(2)(q21.1)

- inversion on Chr2: 130271298(q21.1) - 131386307(q21.1)

- all genes near breakpoints: ['LOC440910', 'MZT2A', 'FAM110C', 'PTPN18', 'CCDC74B', 'MED15P9', 'CCDC74A', 'POTEE', 'MZT2B', 'CYP4F62P', 'SMPD4', 'CCDC115', 'POTEF', 'RAB6D', 'TUBA3E', 'MIR4784', 'POTEI', 'LINC01120', 'SMPD4BP', 'IMP4', 'NOC2LP2', 'FAR2P2', 'TUBA3D']

- genes near breakpoints documented in DDG2P:

CCDC115(613734): Disorder of Golgi homeostasis(No disease mim)

SMPD4(610457): Developmental Disorder with Microcephaly and Congenital Arthrogryposis(No disease mim)