

基因晶片分析 aCGH Analysis

染色體數目異常 Aneuploidy

疾病 Disease	v1.0	v2.0	v3.0
巴陶氏症 / 第 13 號染色體三倍體 Patau Syndrome / Trisomy 13	●	●	●
艾德華氏症 / 第 18 號染色體三倍體 Edwards Syndrome / Trisomy 18	●	●	●
唐氏症 / 第 21 號染色體三倍體 Down Syndrome / Trisomy 21	●	●	●
透納氏症 Turner Syndrome	●	●	●
X 染色體三倍體症候群 Triple X Syndrome	●	●	●
柯林菲特氏症 Klinefelter Syndrome	●	●	●
XYY 症候群 XYY Syndrome	●	●	●
其他染色體單倍體 / 三倍體 Other Monosomy / Trisomy	●	●	●

非平衡性染色體結構異常 Unbalanced Structural Abnormalities of Chromosomes

類型 Type	v1.0	v2.0	v3.0
非平衡性染色體轉位 (易位) Unbalanced Chromosome Translocation	●	●	●
非平衡性染色體倒轉 Unbalanced Chromosome Inversion	●	●	●
第 1 號染色體 / Chromosome 1	v1.0	v2.0	v3.0
1p36.33 微缺失 1p36.33 Microdeletion	●	●	●
1p36.33 微重複 1p36.33 Microduplication	●	●	●
1p36.32 微缺失 1p36.32 Microdeletion	●	●	●
1p36.32 微重複 1p36.32 Microduplication	●	●	●
1p36.31 微缺失 1p36.31 Microdeletion	●	●	●
1p36.31 微重複 1p36.31 Microduplication	●	●	●
1p36.23 微缺失 1p36.23 Microdeletion	●	●	●
1p36.23 微重複 1p36.23 Microduplication	●	●	●

第 1 號染色體 / Chromosome 1	v1.0	v2.0	v3.0
1p36.22 微缺失 1p36.22 Microdeletion	●	●	●
1p36.22 微重複 1p36.22 Microduplication	●	●	●
1p36.21 微缺失 1p36.21 Microdeletion	●	●	●
1p36.21 微重複 1p36.21 Microduplication	●	●	●
1p36.13 微缺失 1p36.13 Microdeletion	●	●	●
1p36.13 微重複 1p36.13 Microduplication	●	●	●
1p36.12 微缺失 1p36.12 Microdeletion	●	●	●
1p36.12 微重複 1p36.12 Microduplication	●	●	●
1p36.11 微缺失 1p36.11 Microdeletion	●	●	●
1p36.11 微重複 1p36.11 Microduplication	●	●	●
1p35.3 微缺失 1p35.3 Microdeletion	●	●	●
1p35.3 微重複 1p35.3 Microduplication	●	●	●
1p35.2 微缺失 1p35.2 Microdeletion	●	●	●
1p35.2 微重複 1p35.2 Microduplication	●	●	●
1p35.1 微缺失 1p35.1 Microdeletion	●	●	●
1p35.1 微重複 1p35.1 Microduplication	●	●	●
1p34.3 微缺失 1p34.3 Microdeletion	●	●	●
1p34.3 微重複 1p34.3 Microduplication	●	●	●
1p34.2 微缺失 1p34.2 Microdeletion	●	●	●
1p34.2 微重複 1p34.2 Microduplication	●	●	●
1p34.1 微缺失 1p34.1 Microdeletion	●	●	●
1p34.1 微重複 1p34.1 Microduplication	●	●	●

第 1 號染色體 / Chromosome 1	v1.0	v2.0	v3.0
1p33 微缺失 1p33 Microdeletion	●	●	●
1p33 微重複 1p33 Microduplication	●	●	●
1p32.3 微缺失 1p32.3 Microdeletion	●	●	●
1p32.3 微重複 1p32.3 Microduplication	●	●	●
1p32.2 微缺失 1p32.2 Microdeletion	●	●	●
1p32.2 微重複 1p32.2 Microduplication	●	●	●
1p32.1 微缺失 1p32.1 Microdeletion	●	●	●
1p32.1 微重複 1p32.1 Microduplication	●	●	●
1p31.3 微缺失 1p31.3 Microdeletion	●	●	●
1p31.3 微重複 1p31.3 Microduplication	●	●	●
1p31.2 微缺失 1p31.2 Microdeletion	●	●	●
1p31.2 微重複 1p31.2 Microduplication	●	●	●
1p31.1 微缺失 1p31.1 Microdeletion	●	●	●
1p31.1 微重複 1p31.1 Microduplication	●	●	●
1p22.3 微缺失 1p22.3 Microdeletion	●	●	●
1p22.3 微重複 1p22.3 Microduplication	●	●	●
1p22.2 微缺失 1p22.2 Microdeletion	●	●	●
1p22.2 微重複 1p22.2 Microduplication	●	●	●
1p22.1 微缺失 1p22.1 Microdeletion	●	●	●
1p22.1 微重複 1p22.1 Microduplication	●	●	●
1p21.3 微缺失 1p21.3 Microdeletion	●	●	●
1p21.3 微重複 1p21.3 Microduplication	●	●	●

第 1 號染色體 / Chromosome 1	v1.0	v2.0	v3.0
1p21.2 微缺失 1p21.2 Microdeletion	●	●	●
1p21.2 微重複 1p21.2 Microduplication	●	●	●
1p21.1 微缺失 1p21.1 Microdeletion	●	●	●
1p21.1 微重複 1p21.1 Microduplication	●	●	●
1p13.3 微缺失 1p13.3 Microdeletion	●	●	●
1p13.3 微重複 1p13.3 Microduplication	●	●	●
1p13.2 微缺失 1p13.2 Microdeletion	●	●	●
1p13.2 微重複 1p13.2 Microduplication	●	●	●
1p13.1 微缺失 1p13.1 Microdeletion	●	●	●
1p13.1 微重複 1p13.1 Microduplication	●	●	●
1p12 微缺失 1p12 Microdeletion	●	●	●
1p12 微重複 1p12 Microduplication	●	●	●
1p11.2 微缺失 1p11.2 Microdeletion	●	●	●
1p11.2 微重複 1p11.2 Microduplication	●	●	●
1q21.1 微缺失 1q21.1 Microdeletion	●	●	●
1q21.1 微重複 1q21.1 Microduplication	●	●	●
1q21.2 微缺失 1q21.2 Microdeletion	●	●	●
1q21.2 微重複 1q21.2 Microduplication	●	●	●
1q21.3 微缺失 1q21.3 Microdeletion	●	●	●
1q21.3 微重複 1q21.3 Microduplication	●	●	●
1q22 微缺失 1q22 Microdeletion	●	●	●
1q22 微重複 1q22 Microduplication	●	●	●

第 1 號染色體 / Chromosome 1	v1.0	v2.0	v3.0
1q23.1 微缺失 1q23.1 Microdeletion	●	●	●
1q23.2 微重複 1q23.2 Microduplication	●	●	●
1q23.2 微缺失 1q23.2 Microdeletion	●	●	●
1q23.2 微重複 1q23.2 Microduplication	●	●	●
1q23.3 微缺失 1q23.3 Microdeletion	●	●	●
1q23.3 微重複 1q23.3 Microduplication	●	●	●
1q24.1 微缺失 1q24.1 Microdeletion	●	●	●
1q24.1 微重複 1q24.1 Microduplication	●	●	●
1q24.2 微缺失 1q24.2 Microdeletion	●	●	●
1q24.2 微重複 1q24.2 Microduplication	●	●	●
1q24.3 微缺失 1q24.3 Microdeletion	●	●	●
1q24.3 微重複 1q24.3 Microduplication	●	●	●
1q25.1 微缺失 1q25.1 Microdeletion	●	●	●
1q25.2 微重複 1q25.2 Microduplication	●	●	●
1q25.2 微缺失 1q25.2 Microdeletion	●	●	●
1q25.2 微重複 1q25.2 Microduplication	●	●	●
1q25.3 微缺失 1q25.3 Microdeletion	●	●	●
1q25.3 微重複 1q25.3 Microduplication	●	●	●
1q31.1 微缺失 1q31.1 Microdeletion	●	●	●
1q31.2 微重複 1q31.2 Microduplication	●	●	●
1q31.2 微缺失 1q31.2 Microdeletion	●	●	●
1q31.2 微重複 1q31.2 Microduplication	●	●	●

第 1 號染色體 / Chromosome 1	v1.0	v2.0	v3.0
1q31.3 微缺失 1q31.3 Microdeletion	●	●	●
1q31.3 微重複 1q31.3 Microduplication	●	●	●
1q32.1 微缺失 1q32.1 Microdeletion	●	●	●
1q32.2 微重複 1q32.2 Microduplication	●	●	●
1q32.2 微缺失 1q32.2 Microdeletion	●	●	●
1q32.2 微重複 1q32.2 Microduplication	●	●	●
1q32.3 微缺失 1q32.3 Microdeletion	●	●	●
1q32.3 微重複 1q32.3 Microduplication	●	●	●
1q41 微缺失 1q41 Microdeletion	●	●	●
1q41 微重複 1q41 Microduplication	●	●	●
1q42.11 微缺失 1q42.11 Microdeletion	●	●	●
1q42.11 微重複 1q42.11 Microduplication	●	●	●
1q42.12 微缺失 1q42.12 Microdeletion	●	●	●
1q42.12 微重複 1q42.12 Microduplication	●	●	●
1q42.13 微缺失 1q42.13 Microdeletion	●	●	●
1q42.13 微重複 1q42.13 Microduplication	●	●	●
1q41.2 微缺失 1q41.2 Microdeletion	●	●	●
1q41.2 微重複 1q41.2 Microduplication	●	●	●
1q41.3 微缺失 1q41.3 Microdeletion	●	●	●
1q41.3 微重複 1q41.3 Microduplication	●	●	●
1q43 微缺失 1q43 Microdeletion	●	●	●
1q43 微重複 1q43 Microduplication	●	●	●

第 1 號染色體 / Chromosome 1	v1.0	v2.0	v3.0
1q44 微缺失 1q44 Microdeletion	●	●	●
1q44 微重複 1q44 Microduplication	●	●	●
第 2 號染色體 / Chromosome 2	v1.0	v2.0	v3.0
2p25.3 微缺失 2p25.3 Microdeletion	●	●	●
2p25.3 微重複 2p25.3 Microduplication	●	●	●
2p25.2 微缺失 2p25.2 Microdeletion	●	●	●
2p25.2 微重複 2p25.2 Microduplication	●	●	●
2p25.1 微缺失 2p25.1 Microdeletion	●	●	●
2p25.1 微重複 2p25.1 Microduplication	●	●	●
2p24.3 微缺失 2p24.3 Microdeletion	●	●	●
2p24.3 微重複 2p24.3 Microduplication	●	●	●
2p24.2 微缺失 2p24.2 Microdeletion	●	●	●
2p24.2 微重複 2p24.2 Microduplication	●	●	●
2p24.1 微缺失 2p24.1 Microdeletion	●	●	●
2p24.1 微重複 2p24.1 Microduplication	●	●	●
2p23.3 微缺失 2p23.3 Microdeletion	●	●	●
2p23.3 微重複 2p23.3 Microduplication	●	●	●
2p23.2 微缺失 2p23.2 Microdeletion	●	●	●
2p23.2 微重複 2p23.2 Microduplication	●	●	●
2p23.1 微缺失 2p23.1 Microdeletion	●	●	●
2p23.1 微重複 2p23.1 Microduplication	●	●	●
2p22.3 微缺失 2p22.3 Microdeletion	●	●	●

第 2 號染色體 / Chromosome 2	v1.0	v2.0	v3.0
2p22.3 微重複 2p22.3 Microduplication	●	●	●
2p22.2 微缺失 2p22.2 Microdeletion	●	●	●
2p22.2 微重複 2p22.2 Microduplication	●	●	●
2p22.1 微缺失 2p22.1 Microdeletion	●	●	●
2p22.1 微重複 2p22.1 Microduplication	●	●	●
2p21 微缺失 2p21 Microdeletion	●	●	●
2p21 微重複 2p21 Microduplication	●	●	●
2p16.3 微缺失 2p16.3 Microdeletion	●	●	●
2p16.3 微重複 2p16.3 Microduplication	●	●	●
2p16.2 微缺失 2p16.2 Microdeletion	●	●	●
2p16.2 微重複 2p16.2 Microduplication	●	●	●
2p16.1 微缺失 2p16.1 Microdeletion	●	●	●
2p16.1 微重複 2p16.1 Microduplication	●	●	●
2p15 微缺失 2p15 Microdeletion	●	●	●
2p15 微重複 2p15 Microduplication	●	●	●
2p14 微缺失 2p14 Microdeletion	●	●	●
2p14 微重複 2p14 Microduplication	●	●	●
2p13.3 微缺失 2p13.3 Microdeletion	●	●	●
2p13.3 微重複 2p13.3 Microduplication	●	●	●
2p13.2 微缺失 2p13.2 Microdeletion	●	●	●
2p13.2 微重複 2p13.2 Microduplication	●	●	●
2p13.1 微缺失 2p13.1 Microdeletion	●	●	●

第 2 號染色體 / Chromosome 2	v1.0	v2.0	v3.0
2p13.1 微重複 2p13.1 Microduplication	●	●	●
2p12 微缺失 2p12 Microdeletion	●	●	●
2p12 微重複 2p12 Microduplication	●	●	●
2p11.2 微缺失 2p11.2 Microdeletion	●	●	●
2p11.2 微重複 2p11.2 Microduplication	●	●	●
2p11.1 微缺失 2p11.1 Microdeletion	●	●	●
2p11.1 微重複 2p11.1 Microduplication	●	●	●
2q11.1 微缺失 2q11.1 Microdeletion	●	●	●
2q11.1 微重複 2q11.1 Microduplication	●	●	●
2q11.2 微缺失 2q11.2 Microdeletion	●	●	●
2q11.2 微重複 2q11.2 Microduplication	●	●	●
2q12.1 微缺失 2q12.1 Microdeletion	●	●	●
2q12.1 微重複 2q12.1 Microduplication	●	●	●
2q12.2 微缺失 2q12.2 Microdeletion	●	●	●
2q12.2 微重複 2q12.2 Microduplication	●	●	●
2q12.3 微缺失 2q12.3 Microdeletion	●	●	●
2q12.3 微重複 2q12.3 Microduplication	●	●	●
2q13 微缺失 2q13 Microdeletion	●	●	●
2q14.1 微缺失 2q14.1 Microdeletion	●	●	●
2q14.1 微重複 2q14.1 Microduplication	●	●	●
2q14.2 微缺失 2q14.2 Microdeletion	●	●	●
2q14.2 微重複 2q14.2 Microduplication	●	●	●

第 2 號染色體 / Chromosome 2	v1.0	v2.0	v3.0
2q14.3 微缺失 2q14.3 Microdeletion	●	●	●
2q14.3 微重複 2q14.3 Microduplication	●	●	●
2q21.1 微缺失 2q21.1 Microdeletion	●	●	●
2q21.1 微重複 2q21.1 Microduplication	●	●	●
2q21.2 微缺失 2q21.2 Microdeletion	●	●	●
2q21.2 微重複 2q21.2 Microduplication	●	●	●
2q21.3 微缺失 2q21.3 Microdeletion	●	●	●
2q21.3 微重複 2q21.3 Microduplication	●	●	●
2q22.1 微缺失 2q22.1 Microdeletion	●	●	●
2q22.1 微重複 2q22.1 Microduplication	●	●	●
2q22.2 微缺失 2q22.2 Microdeletion	●	●	●
2q22.2 微重複 2q22.2 Microduplication	●	●	●
2q22.3 微缺失 2q22.3 Microdeletion	●	●	●
2q22.32 微重複 2q22.32 Microduplication	●	●	●
2q23.1 微缺失 2q23.1 Microdeletion	●	●	●
2q23.1 微重複 2q23.1 Microduplication	●	●	●
2q23.2 微缺失 2q23.2 Microdeletion	●	●	●
2q23.2 微重複 2q23.2 Microduplication	●	●	●
2q23.3 微缺失 2q23.3 Microdeletion	●	●	●
2q23.3 微重複 2q23.3 Microduplication	●	●	●
2q24.1 微缺失 2q24.1 Microdeletion	●	●	●
2q24.1 微重複 2q24.1 Microduplication	●	●	●

第 2 號染色體 / Chromosome 2	v1.0	v2.0	v3.0
2q24.2 微缺失 2q24.2 Microdeletion	●	●	●
2q24.2 微重複 2q24.2 Microduplication	●	●	●
2q24.3 微缺失 2q24.3 Microdeletion	●	●	●
2q24.3 微重複 2q24.3 Microduplication	●	●	●
2q31.1 微缺失 2q31.1 Microdeletion	●	●	●
2q31.1 微重複 2q31.1 Microduplication	●	●	●
2q31.2 微缺失 2q31.2 Microdeletion	●	●	●
2q31.2 微重複 2q31.2 Microduplication	●	●	●
2q31.3 微缺失 2q31.3 Microdeletion	●	●	●
2q31.3 微重複 2q31.3 Microduplication	●	●	●
2q32.1 微缺失 2q32.1 Microdeletion	●	●	●
2q32.1 微重複 2q32.1 Microduplication	●	●	●
2q32.2 微缺失 2q32.2 Microdeletion	●	●	●
2q32.2 微重複 2q32.2 Microduplication	●	●	●
2q32.3 微缺失 2q32.3 Microdeletion	●	●	●
2q32.3 微重複 2q32.3 Microduplication	●	●	●
2q33.1 微缺失 2q33.1 Microdeletion	●	●	●
2q33.1 微重複 2q33.1 Microduplication	●	●	●
2q33.2 微缺失 2q33.2 Microdeletion	●	●	●
2q33.2 微重複 2q33.2 Microduplication	●	●	●
2q33.3 微缺失 2q33.3 Microdeletion	●	●	●
2q33.3 微重複 2q33.3 Microduplication	●	●	●

第 2 號染色體 / Chromosome 2	v1.0	v2.0	v3.0
2q34 微缺失 2q34 Microdeletion	●	●	●
2q34 微重複 2q34 Microduplication	●	●	●
2q35 微缺失 2q35 Microdeletion	●	●	●
2q35 微重複 2q35 Microduplication	●	●	●
2q36.1 微缺失 2q36.1 Microdeletion	●	●	●
2q36.1 微重複 2q36.1 Microduplication	●	●	●
2q36.2 微缺失 2q36.2 Microdeletion	●	●	●
2q36.2 微重複 2q36.2 Microduplication	●	●	●
2q36.3 微缺失 2q36.3 Microdeletion	●	●	●
2q36.3 微重複 2q36.3 Microduplication	●	●	●
2q37.1 微缺失 2q37.1 Microdeletion	●	●	●
2q37.1 微重複 2q37.1 Microduplication	●	●	●
2q37.2 微缺失 2q37.2 Microdeletion	●	●	●
2q37.2 微重複 2q37.2 Microduplication	●	●	●
2q37.3 微缺失 2q37.3 Microdeletion	●	●	●
2q37.3 微重複 2q37.3 Microduplication	●	●	●
第 3 號染色體 / Chromosome 3	v1.0	v2.0	v3.0
3p26.3 微缺失 3p26.3 Microdeletion	●	●	●
3p26.3 微重複 3p26.3 Microduplication	●	●	●
3p26.2 微缺失 3p26.2 Microdeletion	●	●	●
3p26.2 微重複 3p26.2 Microduplication	●	●	●
3p26.1 微缺失 3p26.1 Microdeletion	●	●	●

第 3 號染色體 / Chromosome 3	v1.0	v2.0	v3.0
3p25.3 微缺失 3p25.3 Microdeletion	●	●	●
3p25.3 微重複 3p25.3 Microduplication	●	●	●
3p25.2 微缺失 3p25.2 Microdeletion	●	●	●
3p25.2 微重複 3p25.2 Microduplication	●	●	●
3p25.1 微缺失 3p25.1 Microdeletion	●	●	●
3p25.1 微重複 3p25.1 Microduplication	●	●	●
3p24.3 微缺失 3p24.3 Microdeletion	●	●	●
3p24.3 微重複 3p24.3 Microduplication	●	●	●
3p24.2 微缺失 3p24.2 Microdeletion	●	●	●
3p24.2 微重複 3p24.2 Microduplication	●	●	●
3p24.1 微缺失 3p24.1 Microdeletion	●	●	●
3p24.1 微重複 3p24.1 Microduplication	●	●	●
3p23 微缺失 3p23 Microdeletion	●	●	●
3p23 微重複 3p23 Microduplication	●	●	●
3p22.3 微缺失 3p22.3 Microdeletion	●	●	●
3p22.3 微重複 3p22.3 Microduplication	●	●	●
3p22.2 微缺失 3p22.2 Microdeletion	●	●	●
3p22.2 微重複 3p22.2 Microduplication	●	●	●
3p22.1 微缺失 3p22.1 Microdeletion	●	●	●
3p22.1 微重複 3p22.1 Microduplication	●	●	●
3p21.31 微缺失 3p21.31 Microdeletion	●	●	●
3p21.31 微重複 3p21.31 Microduplication	●	●	●

第 3 號染色體 / Chromosome 3	v1.0	v2.0	v3.0
3p21.2 微缺失 3p21.2 Microdeletion	●	●	●
3p21.2 微重複 3p21.2 Microduplication	●	●	●
3p21.1 微缺失 3p21.1 Microdeletion	●	●	●
3p21.1 微重複 3p21.1 Microduplication	●	●	●
3p14.3 微缺失 3p14.3 Microdeletion	●	●	●
3p14.3 微重複 3p14.3 Microduplication	●	●	●
3p14.2 微缺失 3p14.2 Microdeletion	●	●	●
3p14.2 微重複 3p14.2 Microduplication	●	●	●
3p14.1 微缺失 3p14.1 Microdeletion	●	●	●
3p14.1 微重複 3p14.1 Microduplication	●	●	●
3p13 微缺失 3p13 Microdeletion	●	●	●
3p13 微重複 3p13 Microduplication	●	●	●
3p12.3 微缺失 3p12.3 Microdeletion	●	●	●
3p12.3 微重複 3p12.3 Microduplication	●	●	●
3p12.2 微缺失 3p12.2 Microdeletion	●	●	●
3p12.2 微重複 3p12.2 Microduplication	●	●	●
3p12.1 微缺失 3p12.1 Microdeletion	●	●	●
3p12.1 微重複 3p12.1 Microduplication	●	●	●
3p11.2 微缺失 3p11.2 Microdeletion	●	●	●
3p11.2 微重複 3p11.2 Microduplication	●	●	●
3p11.1 微缺失 3p11.1 Microdeletion	●	●	●
3p11.1 微重複 3p11.1 Microduplication	●	●	●

第 3 號染色體 / Chromosome 3	v1.0	v2.0	v3.0
3q11.1 微缺失 3q11.1 Microdeletion	●	●	●
3q11.1 微重複 3q11.1 Microduplication	●	●	●
3q11.2 微缺失 3q11.2 Microdeletion	●	●	●
3q11.2 微重複 3q11.2 Microduplication	●	●	●
3q12.1 微缺失 3q12.1 Microdeletion	●	●	●
3q12.1 微重複 3q12.1 Microduplication	●	●	●
3q12.2 微缺失 3q12.2 Microdeletion	●	●	●
3q12.2 微重複 3q12.2 Microduplication	●	●	●
3q12.3 微缺失 3q12.3 Microdeletion	●	●	●
3q12.3 微重複 3q12.3 Microduplication	●	●	●
3q13.11 微缺失 3q13.11 Microdeletion	●	●	●
3q13.11 微重複 3q13.11 Microduplication	●	●	●
3q13.12 微缺失 3q13.12 Microdeletion	●	●	●
3q13.12 微重複 3q13.12 Microduplication	●	●	●
3q13.13 微缺失 3q13.13 Microdeletion	●	●	●
3q13.13 微重複 3q13.13 Microduplication	●	●	●
3q13.2 微缺失 3q13.2 Microdeletion	●	●	●
3q13.2 微重複 3q13.2 Microduplication	●	●	●
3q13.31 微缺失 3q13.31 Microdeletion	●	●	●
3q13.31 微重複 3q13.31 Microduplication	●	●	●
3q13.32 微缺失 3q13.32 Microdeletion	●	●	●
3q13.32 微重複 3q13.32 Microduplication	●	●	●

第 3 號染色體 / Chromosome 3	v1.0	v2.0	v3.0
3q13.33 微缺失 3q13.33 Microdeletion	●	●	●
3q13.33 微重複 3q13.33 Microduplication	●	●	●
3q21.1 微缺失 3q21.1 Microdeletion	●	●	●
3q21.1 微重複 3q21.1 Microduplication	●	●	●
3q21.2 微缺失 3q21.2 Microdeletion	●	●	●
3q21.2 微重複 3q21.2 Microduplication	●	●	●
3q21.3 微缺失 3q21.3 Microdeletion	●	●	●
3q21.3 微重複 3q21.3 Microduplication	●	●	●
3q22.1 微缺失 3q22.1 Microdeletion	●	●	●
3q22.1 微重複 3q22.1 Microduplication	●	●	●
3q22.2 微缺失 3q22.2 Microdeletion	●	●	●
3q22.2 微重複 3q22.2 Microduplication	●	●	●
3q22.3 微缺失 3q22.3 Microdeletion	●	●	●
3q22.3 微重複 3q22.3 Microduplication	●	●	●
3q23 微缺失 3q23 Microdeletion	●	●	●
3q23 微重複 3q23 Microduplication	●	●	●
3q24 微缺失 3q24 Microdeletion	●	●	●
3q24 微重複 3q24 Microduplication	●	●	●
3q25.1 微缺失 3q25.1 Microdeletion	●	●	●
3q25.1 微重複 3q25.1 Microduplication	●	●	●
3q25.2 微缺失 3q25.2 Microdeletion	●	●	●
3q25.2 微重複 3q25.2 Microduplication	●	●	●

第 3 號染色體 / Chromosome 3	v1.0	v2.0	v3.0
3q25.31 微缺失 3q25.31 Microdeletion	●	●	●
3q25.31 微重複 3q25.31 Microduplication	●	●	●
3q25.32 微缺失 3q25.32 Microdeletion	●	●	●
3q25.32 微重複 3q25.32 Microduplication	●	●	●
3q25.33 微缺失 3q25.33 Microdeletion	●	●	●
3q25.33 微重複 3q25.33 Microduplication	●	●	●
3q26.1 微缺失 3q26.1 Microdeletion	●	●	●
3q26.1 微重複 3q26.1 Microduplication	●	●	●
3q26.2 微缺失 3q26.2 Microdeletion	●	●	●
3q26.2 微重複 3q26.2 Microduplication	●	●	●
3q26.31 微缺失 3q26.31 Microdeletion	●	●	●
3q26.31 微重複 3q26.31 Microduplication	●	●	●
3q26.32 微缺失 3q26.32 Microdeletion	●	●	●
3q26.32 微重複 3q26.32 Microduplication	●	●	●
3q26.33 微缺失 3q26.33 Microdeletion	●	●	●
3q26.33 微重複 3q26.33 Microduplication	●	●	●
3q27.1 微缺失 3q27.1 Microdeletion	●	●	●
3q27.1 微重複 3q27.1 Microduplication	●	●	●
3q27.2 微缺失 3q27.2 Microdeletion	●	●	●
3q27.2 微重複 3q27.2 Microduplication	●	●	●
3q27.3 微缺失 3q27.3 Microdeletion	●	●	●
3q27.3 微重複 3q27.3 Microduplication	●	●	●

第 3 號染色體 / Chromosome 3	v1.0	v2.0	v3.0
3q28 微缺失 3q28 Microdeletion	●	●	●
3q28 微重複 3q28 Microduplication	●	●	●
3q29 微缺失 3q29 Microdeletion	●	●	●
3q29 微重複 3q29 Microduplication	●	●	●
第 4 號染色體 / Chromosome 4	v1.0	v2.0	v3.0
4p16.3 微缺失 4p16.3 Microdeletion	●	●	●
4p16.3 微重複 4p16.3 Microduplication	●	●	●
4p16.2 微缺失 4p16.2 Microdeletion	●	●	●
4p16.2 微重複 4p16.2 Microduplication	●	●	●
4p16.1 微缺失 4p16.1 Microdeletion	●	●	●
4p16.1 微重複 4p16.1 Microduplication	●	●	●
4p15.33 微缺失 4p15.33 Microdeletion	●	●	●
4p15.33 微重複 4p15.33 Microduplication	●	●	●
4p15.32 微缺失 4p15.32 Microdeletion	●	●	●
4p15.32 微重複 4p15.32 Microduplication	●	●	●
4p15.31 微缺失 4p15.31 Microdeletion	●	●	●
4p15.31 微重複 4p15.31 Microduplication	●	●	●
4p15.2 微缺失 4p15.2 Microdeletion	●	●	●
4p15.2 微重複 4p15.2 Microduplication	●	●	●
4p15.1 微缺失 4p15.1 Microdeletion	●	●	●
4p15.1 微重複 4p15.1 Microduplication	●	●	●
4p14 微缺失 4p14 Microdeletion	●	●	●

第 4 號染色體 / Chromosome 4	v1.0	v2.0	v3.0
4p14 微重複 4p14 Microduplication	●	●	●
4p13 微缺失 4p13 Microdeletion	●	●	●
4p13 微重複 4p13 Microduplication	●	●	●
4p12 微缺失 4p12 Microdeletion	●	●	●
4p12 微重複 4p12 Microduplication	●	●	●
4p11 微缺失 4p11 Microdeletion	●	●	●
4p11 微重複 4p11 Microduplication	●	●	●
4q11 微缺失 4q11 Microdeletion	●	●	●
4q11 微重複 4q11 Microduplication	●	●	●
4q12 微缺失 4q12 Microdeletion	●	●	●
4q12 微重複 4q12 Microduplication	●	●	●
4q13.1 微缺失 4q13.1 Microdeletion	●	●	●
4q13.1 微重複 4q13.1 Microduplication	●	●	●
4q13.2 微缺失 4q13.2 Microdeletion	●	●	●
4q13.2 微重複 4q13.2 Microduplication	●	●	●
4q13.3 微缺失 4q13.3 Microdeletion	●	●	●
4q13.3 微重複 4q13.3 Microduplication	●	●	●
4q21.1 微缺失 4q21.1 Microdeletion	●	●	●
4q21.1 微重複 4q21.1 Microduplication	●	●	●
4q21.21 微缺失 4q21.21 Microdeletion	●	●	●
4q21.21 微重複 4q21.21 Microduplication	●	●	●
4q21.22 微缺失 4q21.22 Microdeletion	●	●	●

第 4 號染色體 / Chromosome 4	v1.0	v2.0	v3.0
4q21.22 微重複 4q21.22 Microduplication	●	●	●
4q21.23 微缺失 4q21.23 Microdeletion	●	●	●
4q21.23 微重複 4q21.23 Microduplication	●	●	●
4q21.3 微缺失 4q21.3 Microdeletion	●	●	●
4q21.3 微重複 4q21.3 Microduplication	●	●	●
4q22.1 微缺失 4q22.1 Microdeletion	●	●	●
4q22.1 微重複 4q22.1 Microduplication	●	●	●
4q22.2 微缺失 4q22.2 Microdeletion	●	●	●
4q22.2 微重複 4q22.2 Microduplication	●	●	●
4q22.3 微缺失 4q22.3 Microdeletion	●	●	●
4q22.3 微重複 4q22.3 Microduplication	●	●	●
4q23 微缺失 4q23 Microdeletion	●	●	●
4q23 微重複 4q23 Microduplication	●	●	●
4q24 微缺失 4q24 Microdeletion	●	●	●
4q24 微重複 4q24 Microduplication	●	●	●
4q25 微缺失 4q25 Microdeletion	●	●	●
4q25 微重複 4q25 Microduplication	●	●	●
4q26 微缺失 4q26 Microdeletion	●	●	●
4q26 微重複 4q26 Microduplication	●	●	●
4q27 微缺失 4q27 Microdeletion	●	●	●
4q27 微重複 4q27 Microduplication	●	●	●
4q28.1 微缺失 4q28.1 Microdeletion	●	●	●

第 4 號染色體 / Chromosome 4	v1.0	v2.0	v3.0
4q28.1 微重複 4q28.1 Microduplication	●	●	●
4q28.2 微缺失 4q28.2 Microdeletion	●	●	●
4q28.2 微重複 4q28.2 Microduplication	●	●	●
4q28.3 微缺失 4q28.3 Microdeletion	●	●	●
4q28.3 微重複 4q28.3 Microduplication	●	●	●
4q31.1 微缺失 4q31.1 Microdeletion	●	●	●
4q31.1 微重複 4q31.1 Microduplication	●	●	●
4q31.21 微缺失 4q31.21 Microdeletion	●	●	●
4q31.21 微重複 4q31.21 Microduplication	●	●	●
4q31.22 微缺失 4q31.22 Microdeletion	●	●	●
4q31.22 微重複 4q31.22 Microduplication	●	●	●
4q31.23 微缺失 4q31.23 Microdeletion	●	●	●
4q31.23 微重複 4q31.23 Microduplication	●	●	●
4q31.3 微缺失 4q31.3 Microdeletion	●	●	●
4q31.3 微重複 4q31.3 Microduplication	●	●	●
4q32.1 微缺失 4q32.1 Microdeletion	●	●	●
4q32.1 微重複 4q32.1 Microduplication	●	●	●
4q32.2 微缺失 4q32.2 Microdeletion	●	●	●
4q32.2 微重複 4q32.2 Microduplication	●	●	●
4q32.3 微缺失 4q32.3 Microdeletion	●	●	●
4q32.3 微重複 4q32.3 Microduplication	●	●	●
4q33 微缺失 4q33 Microdeletion	●	●	●

第 4 號染色體 / Chromosome 4	v1.0	v2.0	v3.0
4q33 微重複 4q33 Microduplication	●	●	●
4q34.1 微缺失 4q34.1 Microdeletion	●	●	●
4q34.1 微重複 4q34.1 Microduplication	●	●	●
4q34.2 微缺失 4q34.2 Microdeletion	●	●	●
4q34.2 微重複 4q34.2 Microduplication	●	●	●
4q34.3 微缺失 4q34.3 Microdeletion	●	●	●
4q34.3 微重複 4q34.3 Microduplication	●	●	●
4q35.1 微缺失 4q35.1 Microdeletion	●	●	●
4q35.1 微重複 4q35.1 Microduplication	●	●	●
4q35.2 微缺失 4q35.2 Microdeletion	●	●	●
4q35.2 微重複 4q35.2 Microduplication	●	●	●
第 5 號染色體 / Chromosome 5	v1.0	v2.0	v3.0
5p15.33 微缺失 5p15.33 Microdeletion	●	●	●
5p15.33 微重複 5p15.33 Microduplication	●	●	●
5p15.32 微缺失 5p15.32 Microdeletion	●	●	●
5p15.32 微重複 5p15.32 Microduplication	●	●	●
5p15.31 微缺失 5p15.31 Microdeletion	●	●	●
5p15.31 微重複 5p15.31 Microduplication	●	●	●
5p15.2 微缺失 5p15.2 Microdeletion	●	●	●
5p15.2 微重複 5p15.2 Microduplication	●	●	●
5p15.1 微缺失 5p15.1 Microdeletion	●	●	●
5p15.1 微重複 5p15.1 Microduplication	●	●	●

第 5 號染色體 / Chromosome 5	v1.0	v2.0	v3.0
5p14.3 微缺失 5p14.3 Microdeletion	●	●	●
5p14.3 微重複 5p14.3 Microduplication	●	●	●
5p14.2 微缺失 5p14.2 Microdeletion	●	●	●
5p14.2 微重複 5p14.2 Microduplication	●	●	●
5p14.1 微缺失 5p14.1 Microdeletion	●	●	●
5p14.1 微重複 5p14.1 Microduplication	●	●	●
5p13.3 微缺失 5p13.3 Microdeletion	●	●	●
5p13.3 微重複 5p13.3 Microduplication	●	●	●
5p13.2 微缺失 5p13.2 Microdeletion	●	●	●
5p13.2 微重複 5p13.2 Microduplication	●	●	●
5p13.1 微缺失 5p13.1 Microdeletion	●	●	●
5p13.1 微重複 5p13.1 Microduplication	●	●	●
5p12 微缺失 5p12 Microdeletion	●	●	●
5p12 微重複 5p12 Microduplication	●	●	●
5p11 微缺失 5p11 Microdeletion	●	●	●
5p11 微重複 5p11 Microduplication	●	●	●
5q11.1 微缺失 5q11.1 Microdeletion	●	●	●
5q11.1 微重複 5q11.1 Microduplication	●	●	●
5q11.2 微缺失 5q11.2 Microdeletion	●	●	●
5q11.2 微重複 5q11.2 Microduplication	●	●	●
5q12.1 微缺失 5q12.1 Microdeletion	●	●	●
5q12.1 微重複 5q12.1 Microduplication	●	●	●

第 5 號染色體 / Chromosome 5	v1.0	v2.0	v3.0
5q12.2 微缺失 5q12.2 Microdeletion	●	●	●
5q12.2 微重複 5q12.2 Microduplication	●	●	●
5q12.3 微缺失 5q12.3 Microdeletion	●	●	●
5q12.3 微重複 5q12.3 Microduplication	●	●	●
5q13.1 微缺失 5q13.1 Microdeletion	●	●	●
5q13.1 微重複 5q13.1 Microduplication	●	●	●
5q13.2 微缺失 5q13.2 Microdeletion	●	●	●
5q13.2 微重複 5q13.2 Microduplication	●	●	●
5q13.3 微缺失 5q13.3 Microdeletion	●	●	●
5q13.3 微重複 5q13.3 Microduplication	●	●	●
5q14.1 微缺失 5q14.1 Microdeletion	●	●	●
5q14.1 微重複 5q14.1 Microduplication	●	●	●
5q14.2 微缺失 5q14.2 Microdeletion	●	●	●
5q14.2 微重複 5q14.2 Microduplication	●	●	●
5q14.3 微缺失 5q14.3 Microdeletion	●	●	●
5q14.3 微重複 5q14.3 Microduplication	●	●	●
5q15 微缺失 5q15 Microdeletion	●	●	●
5q15 微重複 5q15 Microduplication	●	●	●
5q21.1 微缺失 5q21.1 Microdeletion	●	●	●
5q21.1 微重複 5q21.1 Microduplication	●	●	●
5q21.2 微缺失 5q21.2 Microdeletion	●	●	●
5q21.2 微重複 5q21.2 Microduplication	●	●	●

第 5 號染色體 / Chromosome 5	v1.0	v2.0	v3.0
5q21.3 微缺失 5q21.3 Microdeletion	●	●	●
5q21.3 微重複 5q21.3 Microduplication	●	●	●
5q22.1 微缺失 5q22.1 Microdeletion	●	●	●
5q22.1 微重複 5q22.1 Microduplication	●	●	●
5q22.2 微缺失 5q22.2 Microdeletion	●	●	●
5q22.2 微重複 5q22.2 Microduplication	●	●	●
5q22.3 微缺失 5q22.3 Microdeletion	●	●	●
5q22.3 微重複 5q22.3 Microduplication	●	●	●
5q23.1 微缺失 5q23.1 Microdeletion	●	●	●
5q23.1 微重複 5q23.1 Microduplication	●	●	●
5q23.2 微缺失 5q23.2 Microdeletion	●	●	●
5q23.2 微重複 5q23.2 Microduplication	●	●	●
5q23.3 微缺失 5q23.3 Microdeletion	●	●	●
5q23.3 微重複 5q23.3 Microduplication	●	●	●
5q31.1 微缺失 5q31.1 Microdeletion	●	●	●
5q31.1 微重複 5q31.1 Microduplication	●	●	●
5q31.2 微缺失 5q31.2 Microdeletion	●	●	●
5q31.2 微重複 5q31.2 Microduplication	●	●	●
5q31.3 微缺失 5q31.3 Microdeletion	●	●	●
5q31.3 微重複 5q31.3 Microduplication	●	●	●
5q32 微缺失 5q32 Microdeletion	●	●	●
5q32 微重複 5q32 Microduplication	●	●	●

第 5 號染色體 / Chromosome 5	v1.0	v2.0	v3.0
5q33.1 微缺失 5q33.1 Microdeletion	●	●	●
5q33.1 微重複 5q33.1 Microduplication	●	●	●
5q33.2 微缺失 5q33.2 Microdeletion	●	●	●
5q33.2 微重複 5q33.2 Microduplication	●	●	●
5q33.3 微缺失 5q33.3 Microdeletion	●	●	●
5q33.3 微重複 5q33.3 Microduplication	●	●	●
5q34 微缺失 5q34 Microdeletion	●	●	●
5q34 微重複 5q34 Microduplication	●	●	●
5q35.1 微缺失 5q35.1 Microdeletion	●	●	●
5q35.1 微重複 5q35.1 Microduplication	●	●	●
5q35.2 微缺失 5q35.2 Microdeletion	●	●	●
5q35.2 微重複 5q35.2 Microduplication	●	●	●
5q35.3 微缺失 5q35.3 Microdeletion	●	●	●
5q35.3 微重複 5q35.3 Microduplication	●	●	●
第 6 號染色體 / Chromosome 6	v1.0	v2.0	v3.0
6p25.3 微缺失 6p25.3 Microdeletion	●	●	●
6p25.3 微重複 6p25.3 Microduplication	●	●	●
6p25.2 微缺失 6p25.2 Microdeletion	●	●	●
6p25.2 微重複 6p25.2 Microduplication	●	●	●
6p25.1 微缺失 6p25.1 Microdeletion	●	●	●
6p25.1 微重複 6p25.1 Microduplication	●	●	●
6p24.3 微缺失 6p24.3 Microdeletion	●	●	●

第 6 號染色體 / Chromosome 6	v1.0	v2.0	v3.0
6p24.3 微重複 6p24.3 Microduplication	●	●	●
6p24.2 微缺失 6p24.2 Microdeletion	●	●	●
6p24.2 微重複 6p24.2 Microduplication	●	●	●
6p24.1 微缺失 6p24.1 Microdeletion	●	●	●
6p24.1 微重複 6p24.1 Microduplication	●	●	●
6p23 微缺失 6p23 Microdeletion	●	●	●
6p23 微重複 6p23 Microduplication	●	●	●
6p22.3 微缺失 6p22.3 Microdeletion	●	●	●
6p22.3 微重複 6p22.3 Microduplication	●	●	●
6p22.2 微缺失 6p22.2 Microdeletion	●	●	●
6p22.2 微重複 6p22.2 Microduplication	●	●	●
6p22.1 微缺失 6p22.1 Microdeletion	●	●	●
6p22.1 微重複 6p22.1 Microduplication	●	●	●
6p21.33 微缺失 6p21.33 Microdeletion	●	●	●
6p21.33 微重複 6p21.33 Microduplication	●	●	●
6p21.32 微缺失 6p21.32 Microdeletion	●	●	●
6p21.32 微重複 6p21.32 Microduplication	●	●	●
6p21.31 微缺失 6p21.31 Microdeletion	●	●	●
6p21.31 微重複 6p21.31 Microduplication	●	●	●
6p21.2 微缺失 6p21.2 Microdeletion	●	●	●
6p21.2 微重複 6p21.2 Microduplication	●	●	●
6p21.1 微缺失 6p21.1 Microdeletion	●	●	●

第 6 號染色體 / Chromosome 6	v1.0	v2.0	v3.0
6p21.1 微重複 6p21.1 Microduplication	●	●	●
6p12.3 微缺失 6p12.3 Microdeletion	●	●	●
6p12.3 微重複 6p12.3 Microduplication	●	●	●
6p12.2 微缺失 6p12.2 Microdeletion	●	●	●
6p12.2 微重複 6p12.2 Microduplication	●	●	●
6p12.1 微缺失 6p12.1 Microdeletion	●	●	●
6p12.1 微重複 6p12.1 Microduplication	●	●	●
6p11.2 微缺失 6p11.2 Microdeletion	●	●	●
6p11.2 微重複 6p11.2 Microduplication	●	●	●
6q11.1 微缺失 6q11.1 Microdeletion	●	●	●
6q11.1 微重複 6q11.1 Microduplication	●	●	●
6q11.2 微缺失 6q11.2 Microdeletion	●	●	●
6q11.2 微重複 6q11.2 Microduplication	●	●	●
6q12 微缺失 6q12 Microdeletion	●	●	●
6q12 微重複 6q12 Microduplication	●	●	●
6q13 微缺失 6q13 Microdeletion	●	●	●
6q13 微重複 6q13 Microduplication	●	●	●
6q14.1 微缺失 6q14.1 Microdeletion	●	●	●
6q14.1 微重複 6q14.1 Microduplication	●	●	●
6q14.2 微缺失 6q14.2 Microdeletion	●	●	●
6q14.2 微重複 6q14.2 Microduplication	●	●	●
6q14.3 微缺失 6q14.3 Microdeletion	●	●	●

第 6 號染色體 / Chromosome 6	v1.0	v2.0	v3.0
6q14.3 微重複 6q14.3 Microduplication	●	●	●
6q15 微缺失 6q15 Microdeletion	●	●	●
6q15 微重複 6q15 Microduplication	●	●	●
6q16.1 微缺失 6q16.1 Microdeletion	●	●	●
6q16.1 微重複 6q16.1 Microduplication	●	●	●
6q16.2 微缺失 6q16.2 Microdeletion	●	●	●
6q16.2 微重複 6q16.2 Microduplication	●	●	●
6q16.3 微缺失 6q16.3 Microdeletion	●	●	●
6q16.3 微重複 6q16.3 Microduplication	●	●	●
6q21 微缺失 6q21 Microdeletion	●	●	●
6q21 微重複 6q21 Microduplication	●	●	●
6q22.1 微缺失 6q22.1 Microdeletion	●	●	●
6q22.1 微重複 6q22.1 Microduplication	●	●	●
6q22.31 微缺失 6q22.31 Microdeletion	●	●	●
6q22.31 微重複 6q22.31 Microduplication	●	●	●
6q22.32 微缺失 6q22.32 Microdeletion	●	●	●
6q22.32 微重複 6q22.32 Microduplication	●	●	●
6q22.33 微缺失 6q22.33 Microdeletion	●	●	●
6q22.33 微重複 6q22.33 Microduplication	●	●	●
6q23.1 微缺失 6q23.1 Microdeletion	●	●	●
6q23.1 微重複 6q23.1 Microduplication	●	●	●
6q23.2 微缺失 6q23.2 Microdeletion	●	●	●

第 6 號染色體 / Chromosome 6	v1.0	v2.0	v3.0
6q23.2 微重複 6q23.2 Microduplication	●	●	●
6q23.3 微缺失 6q23.3 Microdeletion	●	●	●
6q23.3 微重複 6q23.3 Microduplication	●	●	●
6q24.1 微缺失 6q24.1 Microdeletion	●	●	●
6q24.1 微重複 6q24.1 Microduplication	●	●	●
6q24.2 微缺失 6q24.2 Microdeletion	●	●	●
6q24.2 微重複 6q24.2 Microduplication	●	●	●
6q24.3 微缺失 6q24.3 Microdeletion	●	●	●
6q24.3 微重複 6q24.3 Microduplication	●	●	●
6q25.1 微缺失 6q25.1 Microdeletion	●	●	●
6q25.1 微重複 6q25.1 Microduplication	●	●	●
6q25.2 微缺失 6q25.2 Microdeletion	●	●	●
6q25.2 微重複 6q25.2 Microduplication	●	●	●
6q25.3 微缺失 6q25.3 Microdeletion	●	●	●
6q25.3 微重複 6q25.3 Microduplication	●	●	●
6q26 微缺失 6q26 Microdeletion	●	●	●
6q26 微重複 6q26 Microduplication	●	●	●
6q27 微缺失 6q27 Microdeletion	●	●	●
6q27 微重複 6q27 Microduplication	●	●	●
第 7 號染色體 / Chromosome 7	v1.0	v2.0	v3.0
7p22.3 微缺失 7p22.3 Microdeletion	●	●	●
7p22.3 微重複 7p22.3 Microduplication	●	●	●

第 7 號染色體 / Chromosome 7	v1.0	v2.0	v3.0
7p22.2 微缺失 7p22.2 Microdeletion	●	●	●
7p22.2 微重複 7p22.2 Microduplication	●	●	●
7p22.1 微缺失 7p22.1 Microdeletion	●	●	●
7p22.1 微重複 7p22.1 Microduplication	●	●	●
7p21.3 微缺失 7p21.3 Microdeletion	●	●	●
7p21.3 微重複 7p21.3 Microduplication	●	●	●
7p21.2 微缺失 7p21.2 Microdeletion	●	●	●
7p21.2 微重複 7p21.2 Microduplication	●	●	●
7p21.1 微缺失 7p21.1 Microdeletion	●	●	●
7p21.1 微重複 7p21.1 Microduplication	●	●	●
7p15.3 微缺失 7p15.3 Microdeletion	●	●	●
7p15.3 微重複 7p15.3 Microduplication	●	●	●
7p15.2 微缺失 7p15.2 Microdeletion	●	●	●
7p15.2 微重複 7p15.2 Microduplication	●	●	●
7p15.1 微缺失 7p15.1 Microdeletion	●	●	●
7p15.1 微重複 7p15.1 Microduplication	●	●	●
7p14.3 微缺失 7p14.3 Microdeletion	●	●	●
7p14.3 微重複 7p14.3 Microduplication	●	●	●
7p14.2 微缺失 7p14.2 Microdeletion	●	●	●
7p14.2 微重複 7p14.2 Microduplication	●	●	●
7p14.1 微缺失 7p14.1 Microdeletion	●	●	●
7p14.1 微重複 7p14.1 Microduplication	●	●	●

第 7 號染色體 / Chromosome 7	v1.0	v2.0	v3.0
7p13 微缺失 7p13 Microdeletion	●	●	●
7p13 微重複 7p13 Microduplication	●	●	●
7p12.3 微缺失 7p12.3 Microdeletion	●	●	●
7p12.3 微重複 7p12.3 Microduplication	●	●	●
7p12.2 微缺失 7p12.2 Microdeletion	●	●	●
7p12.2 微重複 7p12.2 Microduplication	●	●	●
7p12.1 微缺失 7p12.1 Microdeletion	●	●	●
7p12.1 微重複 7p12.1 Microduplication	●	●	●
7p11.2 微缺失 7p11.2 Microdeletion	●	●	●
7p11.2 微重複 7p11.2 Microduplication	●	●	●
7q11.21 微缺失 7q11.21 Microdeletion	●	●	●
7q11.21 微重複 7q11.21 Microduplication	●	●	●
7q11.22 微缺失 7q11.22 Microdeletion	●	●	●
7q11.22 微重複 7q11.22 Microduplication	●	●	●
7q11.23 微缺失 7q11.23 Microdeletion	●	●	●
7q11.23 微重複 7q11.23 Microduplication	●	●	●
7q21.11 微缺失 7q21.11 Microdeletion	●	●	●
7q21.11 微重複 7q21.11 Microduplication	●	●	●
7q21.12 微缺失 7q21.12 Microdeletion	●	●	●
7q21.12 微重複 7q21.12 Microduplication	●	●	●
7q21.13 微缺失 7q21.13 Microdeletion	●	●	●
7q21.13 微重複 7q21.13 Microduplication	●	●	●

第 7 號染色體 / Chromosome 7	v1.0	v2.0	v3.0
7q21.2 微缺失 7q21.2 Microdeletion	●	●	●
7q21.2 微重複 7q21.2 Microduplication	●	●	●
7q21.3 微缺失 7q21.3 Microdeletion	●	●	●
7q21.3 微重複 7q21.3 Microduplication	●	●	●
7q22.1 微缺失 7q22.1 Microdeletion	●	●	●
7q22.1 微重複 7q22.1 Microduplication	●	●	●
7q22.2 微缺失 7q22.2 Microdeletion	●	●	●
7q22.2 微重複 7q22.2 Microduplication	●	●	●
7q22.3 微缺失 7q22.3 Microdeletion	●	●	●
7q22.3 微重複 7q22.3 Microduplication	●	●	●
7q31.1 微缺失 7q31.1 Microdeletion	●	●	●
7q31.1 微重複 7q31.1 Microduplication	●	●	●
7q31.2 微缺失 7q31.2 Microdeletion	●	●	●
7q31.2 微重複 7q31.2 Microduplication	●	●	●
7q31.31 微缺失 7q31.31 Microdeletion	●	●	●
7q31.31 微重複 7q31.31 Microduplication	●	●	●
7q31.32 微缺失 7q31.32 Microdeletion	●	●	●
7q31.32 微重複 7q31.32 Microduplication	●	●	●
7q31.33 微缺失 7q31.33 Microdeletion	●	●	●
7q31.33 微重複 7q31.33 Microduplication	●	●	●
7q32.1 微缺失 7q32.1 Microdeletion	●	●	●
7q32.1 微重複 7q32.1 Microduplication	●	●	●

第 7 號染色體 / Chromosome 7	v1.0	v2.0	v3.0
7q32.2 微缺失 7q32.2 Microdeletion	●	●	●
7q32.2 微重複 7q32.2 Microduplication	●	●	●
7q32.3 微缺失 7q32.3 Microdeletion	●	●	●
7q32.3 微重複 7q32.3 Microduplication	●	●	●
7q33 微缺失 7q33 Microdeletion	●	●	●
7q33 微重複 7q33 Microduplication	●	●	●
7q34 微缺失 7q34 Microdeletion	●	●	●
7q34 微重複 7q34 Microduplication	●	●	●
7q35 微缺失 7q35 Microdeletion	●	●	●
7q35 微重複 7q35 Microduplication	●	●	●
7q36.1 微缺失 7q36.1 Microdeletion	●	●	●
7q36.1 微重複 7q36.1 Microduplication	●	●	●
7q36.2 微缺失 7q36.2 Microdeletion	●	●	●
7q36.2 微重複 7q36.2 Microduplication	●	●	●
7q36.3 微缺失 7q36.3 Microdeletion	●	●	●
7q36.3 微重複 7q36.3 Microduplication	●	●	●
第 8 號染色體 / Chromosome 8	v1.0	v2.0	v3.0
8p23.3 微缺失 8p23.3 Microdeletion	●	●	●
8p23.3 微重複 8p23.3 Microduplication	●	●	●
8p23.2 微缺失 8p23.2 Microdeletion	●	●	●
8p23.2 微重複 8p23.2 Microduplication	●	●	●
8p23.1 微缺失 8p23.1 Microdeletion	●	●	●

第 8 號染色體 / Chromosome 8	v1.0	v2.0	v3.0
8p23.1 重複 8p23.1 Microduplication	●	●	●
8p22 微缺失 8p22 Microdeletion	●	●	●
8p22 微重複 8p22 Microduplication	●	●	●
8p21.3 微缺失 8p21.3 Microdeletion	●	●	●
8p21.3 微重複 8p21.3 Microduplication	●	●	●
8p21.2 微缺失 8p21.2 Microdeletion	●	●	●
8p21.2 微重複 8p21.2 Microduplication	●	●	●
8p21.1 微缺失 8p21.1 Microdeletion	●	●	●
8p21.1 微重複 8p21.1 Microduplication	●	●	●
8p12 微缺失 8p12 Microdeletion	●	●	●
8p12 微重複 8p12 Microduplication	●	●	●
8p11.23 微缺失 8p11.23 Microdeletion	●	●	●
8p11.23 微重複 8p11.23 Microduplication	●	●	●
8p11.22 微缺失 8p11.22 Microdeletion	●	●	●
8p11.22 微重複 8p11.22 Microduplication	●	●	●
8p11.21 微缺失 8p11.21 Microdeletion	●	●	●
8p11.21 微重複 8p11.21 Microduplication	●	●	●
8p11.1 微缺失 8p11.1 Microdeletion	●	●	●
8p11.1 微重複 8p11.1 Microduplication	●	●	●
8q11.1 微缺失 8q11.1 Microdeletion	●	●	●
8q11.1 微重複 8q11.1 Microduplication	●	●	●
8q11.21 微缺失 8q11.21 Microdeletion	●	●	●

第 8 號染色體 / Chromosome 8	v1.0	v2.0	v3.0
8q11.21 微重複 8q11.21 Microduplication	●	●	●
8q11.22 微缺失 8q11.22 Microdeletion	●	●	●
8q11.22 微重複 8q11.22 Microduplication	●	●	●
8q11.23 微缺失 8q11.23 Microdeletion	●	●	●
8q11.23 微重複 8q11.23 Microduplication	●	●	●
8q12.1 微缺失 8q12.1 Microdeletion	●	●	●
8q12.1 微重複 8q12.1 Microduplication	●	●	●
8q12.2 微缺失 8q12.2 Microdeletion	●	●	●
8q12.2 微重複 8q12.2 Microduplication	●	●	●
8q12.3 微缺失 8q12.3 Microdeletion	●	●	●
8q12.3 微重複 8q12.3 Microduplication	●	●	●
8q13.1 微缺失 8q13.1 Microdeletion	●	●	●
8q13.1 微重複 8q13.1 Microduplication	●	●	●
8q13.2 微缺失 8q13.2 Microdeletion	●	●	●
8q13.2 微重複 8q13.2 Microduplication	●	●	●
8q13.3 微缺失 8q13.3 Microdeletion	●	●	●
8q13.3 微重複 8q13.3 Microduplication	●	●	●
8q21.11 微缺失症候群 8q21.11 Microdeletion Syndrome	●	●	●
8q21.11 微重複 8q21.11 Microduplication	●	●	●
8q21.12 微缺失 8q21.12 Microdeletion	●	●	●
8q21.12 微重複 8q21.12 Microduplication	●	●	●
8q21.13 微缺失 8q21.13 Microdeletion	●	●	●

第 8 號染色體 / Chromosome 8	v1.0	v2.0	v3.0
8q21.13 微重複 8q21.13 Microduplication	●	●	●
8q21.2 微缺失 8q21.2 Microdeletion	●	●	●
8q21.2 微重複 8q21.2 Microduplication	●	●	●
8q21.3 微缺失 8q21.3 Microdeletion	●	●	●
8q21.3 微重複 8q21.3 Microduplication	●	●	●
8q22.1 微缺失 8q22.1 Microdeletion	●	●	●
8q22.1 微重複 8q22.1 Microduplication	●	●	●
8q22.2 微缺失 8q22.2 Microdeletion	●	●	●
8q22.2 微重複 8q22.2 Microduplication	●	●	●
8q22.3 微缺失 8q22.3 Microdeletion	●	●	●
8q22.3 微重複 8q22.3 Microduplication	●	●	●
8q23.1 微缺失 8q23.1 Microdeletion	●	●	●
8q23.1 微重複 8q23.1 Microduplication	●	●	●
8q23.2 微缺失 8q23.2 Microdeletion	●	●	●
8q23.2 微重複 8q23.2 Microduplication	●	●	●
8q23.3 微缺失 8q23.3 Microdeletion	●	●	●
8q23.3 微重複 8q23.3 Microduplication	●	●	●
8q24.11 微缺失 8q24.11 Microdeletion	●	●	●
8q24.11 微重複 8q24.11 Microduplication	●	●	●
8q24.12 微缺失 8q24.12 Microdeletion	●	●	●
8q24.12 微重複 8q24.12 Microduplication	●	●	●
8q24.13 微缺失 8q24.13 Microdeletion	●	●	●

第 8 號染色體 / Chromosome 8	v1.0	v2.0	v3.0
8q24.13 微重複 8q24.13 Microduplication	●	●	●
8q24.21 微缺失 8q24.21 Microdeletion	●	●	●
8q24.21 微重複 8q24.21 Microduplication	●	●	●
8q24.22 微缺失 8q24.22 Microdeletion	●	●	●
8q24.22 微重複 8q24.22 Microduplication	●	●	●
8q24.23 微缺失 8q24.23 Microdeletion	●	●	●
8q24.23 微重複 8q24.23 Microduplication	●	●	●
8q24.3 微缺失 8q24.3 Microdeletion	●	●	●
8q24.3 微重複 8q24.3 Microduplication	●	●	●
第 9 號染色體 / Chromosome 9	v1.0	v2.0	v3.0
9p24.3 微缺失 9p24.3 Microdeletion	●	●	●
9p24.3 微重複 9p24.3 Microduplication	●	●	●
9p24.2 微缺失 9p24.2 Microdeletion	●	●	●
9p24.2 微重複 9p24.2 Microduplication	●	●	●
9p24.1 微缺失 9p24.1 Microdeletion	●	●	●
9p24.1 微重複 9p24.1 Microduplication	●	●	●
9p23 微缺失 9p23 Microdeletion	●	●	●
9p23 微重複 9p23 Microduplication	●	●	●
9p22.3 微缺失 9p22.3 Microdeletion	●	●	●
9p22.3 微重複 9p22.3 Microduplication	●	●	●
9p22.2 微缺失 9p22.2 Microdeletion	●	●	●
9p22.2 微重複 9p22.2 Microduplication	●	●	●

第 9 號染色體 / Chromosome 9	v1.0	v2.0	v3.0
9p22.1 微缺失 9p22.1 Microdeletion	●	●	●
9p22.1 微重複 9p22.1 Microduplication	●	●	●
9p21.3 微缺失 9p21.3 Microdeletion	●	●	●
9p21.3 微重複 9p21.3 Microduplication	●	●	●
9p21.2 微缺失 9p21.2 Microdeletion	●	●	●
9p21.2 微重複 9p21.2 Microduplication	●	●	●
9p21.1 微缺失 9p21.1 Microdeletion	●	●	●
9p21.1 微重複 9p21.1 Microduplication	●	●	●
9p13.3 微缺失 9p13.3 Microdeletion	●	●	●
9p13.3 微重複 9p13.3 Microduplication	●	●	●
9p13.2 微缺失 9p13.2 Microdeletion	●	●	●
9p13.2 微重複 9p13.2 Microduplication	●	●	●
9p13.1 微缺失 9p13.1 Microdeletion	●	●	●
9p13.1 微重複 9p13.1 Microduplication	●	●	●
9q21.11 微缺失 9q21.11 Microdeletion	●	●	●
9q21.11 微重複 9q21.11 Microduplication	●	●	●
9q21.12 微缺失 9q21.12 Microdeletion	●	●	●
9q21.12 微重複 9q21.12 Microduplication	●	●	●
9q21.13 微缺失 9q21.13 Microdeletion	●	●	●
9q21.13 微重複 9q21.13 Microduplication	●	●	●
9q21.2 微缺失 9q21.2 Microdeletion	●	●	●
9q21.2 微重複 9q21.2 Microduplication	●	●	●

第 9 號染色體 / Chromosome 9	v1.0	v2.0	v3.0
9q21.31 微缺失 9q21.31 Microdeletion	●	●	●
9q21.31 微重複 9q21.31 Microduplication	●	●	●
9q21.32 微缺失 9q21.32 Microdeletion	●	●	●
9q21.32 微重複 9q21.32 Microduplication	●	●	●
9q21.33 微缺失 9q21.33 Microdeletion	●	●	●
9q21.33 微重複 9q21.33 Microduplication	●	●	●
9q22.1 微缺失 9q22.1 Microdeletion	●	●	●
9q22.1 微重複 9q22.1 Microduplication	●	●	●
9q22.2 微缺失 9q22.2 Microdeletion	●	●	●
9q22.2 微重複 9q22.2 Microduplication	●	●	●
9q21.13 微缺失 9q21.13 Microdeletion	●	●	●
9q21.13 微重複 9q21.13 Microduplication	●	●	●
9q21.2 微缺失 9q21.2 Microdeletion	●	●	●
9q21.2 微重複 9q21.2 Microduplication	●	●	●
9q21.31 微缺失 9q21.31 Microdeletion	●	●	●
9q21.31 微重複 9q21.31 Microduplication	●	●	●
9q21.32 微缺失 9q21.32 Microdeletion	●	●	●
9q21.32 微重複 9q21.32 Microduplication	●	●	●
9q21.33 微缺失 9q21.33 Microdeletion	●	●	●
9q21.33 微重複 9q21.33 Microduplication	●	●	●
9q22.1 微缺失 9q22.1 Microdeletion	●	●	●
9q22.1 微重複 9q22.1 Microduplication	●	●	●

第 9 號染色體 / Chromosome 9	v1.0	v2.0	v3.0
9q22.2 微缺失 9q22.2 Microdeletion	●	●	●
9q22.2 微重複 9q22.2 Microduplication	●	●	●
9q22.31 微缺失 9q22.31 Microdeletion	●	●	●
9q22.31 微重複 9q22.31 Microduplication	●	●	●
9q22.32 微缺失 9q22.32 Microdeletion	●	●	●
9q22.32 微重複 9q22.32 Microduplication	●	●	●
9q22.33 微缺失 9q22.33 Microdeletion	●	●	●
9q22.33 微重複 9q22.33 Microduplication	●	●	●
9q31.1 微缺失 9q31.1 Microdeletion	●	●	●
9q31.1 微重複 9q31.1 Microduplication	●	●	●
9q31.2 微缺失 9q31.2 Microdeletion	●	●	●
9q31.2 微重複 9q31.2 Microduplication	●	●	●
9q31.3 微缺失 9q31.3 Microdeletion	●	●	●
9q31.3 微重複 9q31.3 Microduplication	●	●	●
9q32 微缺失 9q32 Microdeletion	●	●	●
9q32 微重複 9q32 Microduplication	●	●	●
9q33.1 微缺失 9q33.1 Microdeletion	●	●	●
9q33.1 微重複 9q33.1 Microduplication	●	●	●
9q33.2 微缺失 9q33.2 Microdeletion	●	●	●
9q33.2 微重複 9q33.2 Microduplication	●	●	●
9q33.3 微缺失 9q33.3 Microdeletion	●	●	●
9q33.3 微重複 9q33.3 Microduplication	●	●	●

第 9 號染色體 / Chromosome 9	v1.0	v2.0	v3.0
9q34.11 微缺失 9q34.11 Microdeletion	●	●	●
9q34.11 微重複 9q34.11 Microduplication	●	●	●
9q34.12 微缺失 9q34.12 Microdeletion	●	●	●
9q34.12 微重複 9q34.12 Microduplication	●	●	●
9q34.13 微缺失 9q34.13 Microdeletion	●	●	●
9q34.13 微重複 9q34.13 Microduplication	●	●	●
9q34.2 微缺失 9q34.2 Microdeletion	●	●	●
9q34.2 微重複 9q34.2 Microduplication	●	●	●
9q34.3 微缺失症候群 9q34.3 Microdeletion Syndrome	●	●	●
9q34.3 微重複 9q34.3 Microduplication	●	●	●
第 10 號染色體 / Chromosome 10	v1.0	v2.0	v3.0
10p15.3 微缺失 10p15.3 Microdeletion	●	●	●
10p15.3 微重複 10p15.3 Microduplication	●	●	●
10p15.2 微缺失 10p15.2 Microdeletion	●	●	●
10p15.2 微重複 10p15.2 Microduplication	●	●	●
10p15.1 微缺失 10p15.1 Microdeletion	●	●	●
10p15.1 微重複 10p15.1 Microduplication	●	●	●
10p14 微缺失 10p14 Microdeletion	●	●	●
10p14 微重複 10p14 Microduplication	●	●	●
10p13 微缺失 10p13 Microdeletion	●	●	●
10p13 微重複 10p13 Microduplication	●	●	●
10p12.33 微缺失 10p12.33 Microdeletion	●	●	●

第 10 號染色體 / Chromosome 10	v1.0	v2.0	v3.0
10p12.33 微重複 10p12.33 Microduplication	●	●	●
10p12.32 微缺失 10p12.32 Microdeletion	●	●	●
10p12.32 微重複 10p12.32 Microduplication	●	●	●
10p12.31 微缺失 10p12.31 Microdeletion	●	●	●
10p12.31 微重複 10p12.31 Microduplication	●	●	●
10p12.2 微缺失 10p12.2 Microdeletion	●	●	●
10p12.2 微重複 10p12.2 Microduplication	●	●	●
10p12.1 微缺失 10p12.1 Microdeletion	●	●	●
10p12.1 微重複 10p12.1 Microduplication	●	●	●
10p11.23 微缺失 10p11.23 Microdeletion	●	●	●
10p11.23 微重複 10p11.23 Microduplication	●	●	●
10p11.22 微缺失 10p11.22 Microdeletion	●	●	●
10p11.22 微重複 10p11.22 Microduplication	●	●	●
10p11.21 缺失 10p11.21 Microdeletion	●	●	●
10p11.21 微重複 10p11.21 Microduplication	●	●	●
10p11.1 微缺失 10p11.1 Microdeletion	●	●	●
10p11.1 微重複 10p11.1 Microduplication	●	●	●
10q11.21 微缺失 10q11.21 Microdeletion	●	●	●
10q11.21 微缺失 10q11.21 Microdeletion	●	●	●
10q11.22 微缺失 10q11.22 Microdeletion	●	●	●
10q11.22 微重複 10q11.22 Microduplication	●	●	●
10q11.23 微缺失 10q11.23 Microdeletion	●	●	●

第 10 號染色體 / Chromosome 10	v1.0	v2.0	v3.0
10q11.23 微重複 10q11.23 Microduplication	●	●	●
10q21.1 微缺失 10q21.1 Microdeletion	●	●	●
10q21.1 微重複 10q21.1 Microduplication	●	●	●
10q21.2 微缺失 10q21.2 Microdeletion	●	●	●
10q21.2 微重複 10q21.2 Microduplication	●	●	●
10q21.3 微缺失 10q21.3 Microdeletion	●	●	●
10q21.3 微重複 10q21.3 Microduplication	●	●	●
10q22.1 微缺失 10q22.1 Microdeletion	●	●	●
10q22.1 微重複 10q22.1 Microduplication	●	●	●
10q22.2 微缺失 10q22.2 Microdeletion	●	●	●
10q22.2 微重複 10q22.2 Microduplication	●	●	●
10q22.3 微缺失 10q22.3 Microdeletion	●	●	●
10q22.3 微重複 10q22.3 Microduplication	●	●	●
10q23.1 微缺失 10q23.1 Microdeletion	●	●	●
10q23.1 微重複 10q23.1 Microduplication	●	●	●
10q23.2 微缺失 10q23.2 Microdeletion	●	●	●
10q23.2 微重複 10q23.2 Microduplication	●	●	●
10q23.31 微缺失 10q23.31 Microdeletion	●	●	●
10q23.31 微重複 10q23.31 Microduplication	●	●	●
10q23.32 微缺失 10q23.32 Microdeletion	●	●	●
10q23.32 微重複 10q23.32 Microduplication	●	●	●
10q23.33 微缺失 10q23.33 Microdeletion	●	●	●

第 10 號染色體 / Chromosome 10	v1.0	v2.0	v3.0
10q23.33 微重複 10q23.33 Microduplication	●	●	●
10q24.1 微缺失 10q24.1 Microdeletion	●	●	●
10q24.1 微重複 10q24.1 Microduplication	●	●	●
10q24.2 微缺失 10q24.2 Microdeletion	●	●	●
10q24.2 微重複 10q24.2 Microduplication	●	●	●
10q24.31 微缺失 10q24.31 Microdeletion	●	●	●
10q24.31 微重複 10q24.31 Microduplication	●	●	●
10q24.32 微缺失 10q24.32 Microdeletion	●	●	●
10q24.32 微重複 10q24.32 Microduplication	●	●	●
10q24.33 微缺失 10q24.33 Microdeletion	●	●	●
10q24.33 微重複 10q24.33 Microduplication	●	●	●
10q25.1 微缺失 10q25.1 Microdeletion	●	●	●
10q25.1 微重複 10q25.1 Microduplication	●	●	●
10q25.2 微缺失 10q25.2 Microdeletion	●	●	●
10q25.2 微重複 10q25.2 Microduplication	●	●	●
10q25.3 微缺失 10q25.3 Microdeletion	●	●	●
10q25.3 微重複 10q25.3 Microduplication	●	●	●
10q26.11 微缺失 10q26.11 Microdeletion	●	●	●
10q26.11 微重複 10q26.11 Microduplication	●	●	●
10q26.12 微缺失 10q26.12 Microdeletion	●	●	●
10q26.12 微重複 10q26.12 Microduplication	●	●	●
10q26.13 微缺失 10q26.13 Microdeletion	●	●	●

第 10 號染色體 / Chromosome 10	v1.0	v2.0	v3.0
10q26.13 微重複 10q26.13 Microduplication	●	●	●
10q26.2 微缺失 10q26.2 Microdeletion	●	●	●
10q26.2 微重複 10q26.2 Microduplication	●	●	●
10q26.3 微缺失 10q26.3 microMicrodeletion	●	●	●
10q26.3 微重複 10q26.3 Microduplication	●	●	●
第 11 號染色體 / Chromosome 11	v1.0	v2.0	v3.0
11p15.5 微缺失 11p15.5 Microdeletion	●	●	●
11p15.5 微重複 11p15.5 Microduplication	●	●	●
11p15.4 微缺失 11p15.4 Microdeletion	●	●	●
11p15.4 微重複 11p15.4 Microduplication	●	●	●
11p15.3 微缺失 11p15.3 Microdeletion	●	●	●
11p15.3 微重複 11p15.3 Microduplication	●	●	●
11p15.2 微缺失 11p15.2 Microdeletion	●	●	●
11p15.2 微重複 11p15.2 Microduplication	●	●	●
11p15.1 微缺失 11p15.1 Microdeletion	●	●	●
11p15.1 微重複 11p15.1 Microduplication	●	●	●
11p14.3 微缺失 11p14.3 Microdeletion	●	●	●
11p14.3 微重複 11p14.3 Microduplication	●	●	●
11p14.2 微缺失 11p14.2 Microdeletion	●	●	●
11p14.2 微重複 11p14.2 Microduplication	●	●	●
11p14.1 微缺失 11p14.1 Microdeletion	●	●	●
11p14.1 微重複 11p14.1 Microduplication	●	●	●

第 11 號染色體 / Chromosome 11	v1.0	v2.0	v3.0
11p13 微缺失 11p13 Microdeletion	●	●	●
11p13 微重複 11p13 Microduplication	●	●	●
11p12 微缺失 11p12 Microdeletion	●	●	●
11p12 微重複 11p12 Microduplication	●	●	●
11p11.2 微缺失 11p11.2 Microdeletion	●	●	●
11p11.2 微重複 11p11.2 Microduplication	●	●	●
11p11.12 微缺失 11p11.12 Microdeletion	●	●	●
11p11.12 微重複 11p11.12 Microduplication	●	●	●
11q11.1 微缺失 11q11.1 Microdeletion	●	●	●
11q11.1 微重複 11q11.1 Microduplication	●	●	●
11q12.1 微缺失 11q12.1 Microdeletion	●	●	●
11q12.1 微重複 11q12.1 Microduplication	●	●	●
11q12.2 微缺失 11q12.2 Microdeletion	●	●	●
11q12.2 微重複 11q12.2 Microduplication	●	●	●
11q12.3 微缺失 11q12.3 Microdeletion	●	●	●
11q12.3 微重複 11q12.3 Microduplication	●	●	●
11q13.1 微缺失 11q13.1 Microdeletion	●	●	●
11q13.1 微重複 11q13.1 Microduplication	●	●	●
11q13.2 微缺失 11q13.2 Microdeletion	●	●	●
11q13.2 微重複 11q13.2 Microduplication	●	●	●
11q13.3 微缺失 11q13.3 Microdeletion	●	●	●
11q13.3 微重複 11q13.3 Microduplication	●	●	●

第 11 號染色體 / Chromosome 11	v1.0	v2.0	v3.0
11q13.4 微缺失 11q13.4 Microdeletion	●	●	●
11q13.4 微重複 11q13.4 Microduplication	●	●	●
11q13.5 微缺失 11q13.5 Microdeletion	●	●	●
11q13.5 微重複 11q13.5 Microduplication	●	●	●
11q14.1 微缺失 11q14.1 Microdeletion	●	●	●
11q14.1 微重複 11q14.1 Microduplication	●	●	●
11q14.2 微缺失 11q14.2 Microdeletion	●	●	●
11q14.2 微重複 11q14.2 Microduplication	●	●	●
11q14.3 微缺失 11q14.3 Microdeletion	●	●	●
11q14.3 微重複 11q14.3 Microduplication	●	●	●
11q21 微缺失 11q21 Microdeletion	●	●	●
11q21 微重複 11q21 Microduplication	●	●	●
11q22.1 微缺失 11q22.1 Microdeletion	●	●	●
11q22.1 微重複 11q22.1 Microduplication	●	●	●
11q22.2 微缺失 11q22.2 Microdeletion	●	●	●
11q22.2 微重複 11q22.2 Microduplication	●	●	●
11q22.3 微缺失 11q22.3 Microdeletion	●	●	●
11q22.3 微重複 11q22.3 Microduplication	●	●	●
11q23.1 微缺失 11q23.1 Microdeletion	●	●	●
11q23.1 微重複 11q23.1 Microduplication	●	●	●
11q23.2 微缺失 11q23.2 Microdeletion	●	●	●
11q23.2 微重複 11q23.2 Microduplication	●	●	●

第 11 號染色體 / Chromosome 11	v1.0	v2.0	v3.0
11q23.3 微缺失 11q23.3 Microdeletion	●	●	●
11q23.3 微重複 11q23.3 Microduplication	●	●	●
11q24.1 微缺失 11q24.1 Microdeletion	●	●	●
11q24.1 微重複 11q24.1 Microduplication	●	●	●
11q24.2 微缺失 11q24.2 Microdeletion	●	●	●
11q24.2 微重複 11q24.2 Microduplication	●	●	●
11q24.3 微缺失 11q24.3 Microdeletion	●	●	●
11q24.3 微重複 11q24.3 Microduplication	●	●	●
11q25 微缺失 11q25 Microdeletion	●	●	●
11q25 微重複 11q25 Microduplication	●	●	●
第 12 號染色體 / Chromosome 12	v1.0	v2.0	v3.0
12p13.33 微缺失 12p13.33 Microdeletion	●	●	●
12p13.33 微重複 12p13.33 Microduplication	●	●	●
12p13.32 微缺失 12p13.32 Microdeletion	●	●	●
12p13.32 微重複 12p13.32 Microduplication	●	●	●
12p13.31 微缺失 12p13.31 Microdeletion	●	●	●
12p13.31 微重複 12p13.31 Microduplication	●	●	●
12p13.2 微缺失 12p13.2 Microdeletion	●	●	●
12p13.2 微重複 12p13.2 Microduplication	●	●	●
12p13.1 微缺失 12p13.1 Microdeletion	●	●	●
12p13.1 微重複 12p13.1 Microduplication	●	●	●
12p12.3 微缺失 12p12.3 Microdeletion	●	●	●

第 12 號染色體 / Chromosome 12	v1.0	v2.0	v3.0
12p12.3 微重複 12p12.3 Microduplication	●	●	●
12p12.2 微缺失 12p12.2 Microdeletion	●	●	●
12p12.2 微重複 12p12.2 Microduplication	●	●	●
12p12.1 微缺失 12p12.1 Microdeletion	●	●	●
12p12.1 微重複 12p12.1 Microduplication	●	●	●
12p11.23 微缺失 12p11.23 Microdeletion	●	●	●
12p11.23 微重複 12p11.23 Microduplication	●	●	●
12p11.22 微缺失 12p11.22 Microdeletion	●	●	●
12p11.22 微重複 12p11.22 Microduplication	●	●	●
12p11.21 微缺失 12p11.21 Microdeletion	●	●	●
12p11.21 微重複 12p11.21 Microduplication	●	●	●
12p11.1 微缺失 12p11.1 Microdeletion	●	●	●
12p11.1 微重複 12p11.1 Microduplication	●	●	●
12q12 微缺失 12q12 Microdeletion	●	●	●
12q12 微重複 12q12 Microduplication	●	●	●
12q13.11 微缺失 12q13.11 Microdeletion	●	●	●
12q13.11 微重複 12q13.11 Microduplication	●	●	●
12q13.12 微缺失 12q13.12 Microdeletion	●	●	●
12q13.12 微重複 12q13.12 Microduplication	●	●	●
12q13.13 微缺失 12q13.13 Microdeletion	●	●	●
12q13.13 微重複 12q13.13 Microduplication	●	●	●
12q13.2 微缺失 12q13.2 Microdeletion	●	●	●

第 12 號染色體 / Chromosome 12	v1.0	v2.0	v3.0
12q13.2 微重複 12q13.2 Microduplication	●	●	●
12q13.3 微缺失 12q13.3 Microdeletion	●	●	●
12q13.3 微重複 12q13.3 Microduplication	●	●	●
12q14.1 微缺失 12q14.1 Microdeletion	●	●	●
12q14.1 微重複 12q14.1 Microduplication	●	●	●
12q14.2 微缺失 12q14.2 Microdeletion	●	●	●
12q14.2 微重複 12q14.2 Microduplication	●	●	●
12q14.3 微缺失 12q14.3 Microdeletion	●	●	●
12q14.3 微重複 12q14.3 Microduplication	●	●	●
12q15 微缺失 12q15 Microdeletion	●	●	●
12q15 微重複 12q15 Microduplication	●	●	●
12q21.1 微缺失 12q21.1 Microdeletion	●	●	●
12q21.1 微重複 12q21.1 Microduplication	●	●	●
12q21.2 微缺失 12q21.2 Microdeletion	●	●	●
12q21.2 微重複 12q21.2 Microduplication	●	●	●
12q21.31 微缺失 12q21.31 Microdeletion	●	●	●
12q21.31 微重複 12q21.31 Microduplication	●	●	●
12q21.32 微缺失 12q21.32 Microdeletion	●	●	●
12q21.32 微重複 12q21.32 Microduplication	●	●	●
12q21.33 微缺失 12q21.33 Microdeletion	●	●	●
12q21.33 微重複 12q21.33 Microduplication	●	●	●
12q22 微缺失 12q22 Microdeletion	●	●	●

第 12 號染色體 / Chromosome 12	v1.0	v2.0	v3.0
12q22 微重複 12q22 Microduplication	●	●	●
12q23.1 微缺失 12q23.1 Microdeletion	●	●	●
12q23.1 微重複 12q23.1 Microduplication	●	●	●
12q23.2 微缺失 12q23.2 Microdeletion	●	●	●
12q23.2 微重複 12q23.2 Microduplication	●	●	●
12q23.3 微缺失 12q23.3 Microdeletion	●	●	●
12q23.3 微重複 12q23.3 Microduplication	●	●	●
12q24.11 微缺失 12q24.11 Microdeletion	●	●	●
12q24.11 微重複 12q24.11 Microduplication	●	●	●
12q24.12 微缺失 12q24.12 Microdeletion	●	●	●
12q24.12 微重複 12q24.12 Microduplication	●	●	●
12q24.13 微缺失 12q24.13 Microdeletion	●	●	●
12q24.13 微重複 12q24.13 Microduplication	●	●	●
12q24.21 微缺失 12q24.21 Microdeletion	●	●	●
12q24.21 微重複 12q24.21 Microduplication	●	●	●
12q24.22 微缺失 12q24.22 Microdeletion	●	●	●
12q24.22 微重複 12q24.22 Microduplication	●	●	●
12q24.23 微缺失 12q24.23 Microdeletion	●	●	●
12q24.23 微重複 12q24.23 Microduplication	●	●	●
12q24.31 微缺失 12q24.31 Microdeletion	●	●	●
12q24.31 微重複 12q24.31 Microduplication	●	●	●
12q24.32 微缺失 12q24.32 Microdeletion	●	●	●

第 12 號染色體 / Chromosome 12	v1.0	v2.0	v3.0
12q24.32 微重複 12q24.32 Microduplication	●	●	●
12q24.33 微缺失 12q24.33 Microdeletion	●	●	●
12q24.33 微重複 12q24.33 Microduplication	●	●	●
第 13 號染色體 / Chromosome 13	v1.0	v2.0	v3.0
13q12.11 微缺失 13q12.11 Microdeletion	●	●	●
13q12.11 微重複 13q12.11 Microduplication	●	●	●
13q12.12 微缺失 13q12.12 Microdeletion	●	●	●
13q12.12 微重複 13q12.12 Microduplication	●	●	●
13q12.13 微缺失 13q12.13 Microdeletion	●	●	●
13q12.13 微重複 13q12.13 Microduplication	●	●	●
13q12.2 微缺失 13q12.2 Microdeletion	●	●	●
13q12.2 微重複 13q12.2 Microduplication	●	●	●
13q12.3 微缺失 13q12.3 Microdeletion	●	●	●
13q12.3 微重複 13q12.3 Microduplication	●	●	●
13q13.1 微缺失 13q13.1 Microdeletion	●	●	●
13q13.1 微重複 13q13.1 Microduplication	●	●	●
13q13.2 微缺失 13q13.2 Microdeletion	●	●	●
13q13.2 微重複 13q13.2 Microduplication	●	●	●
13q13.3 微缺失 13q13.3 Microdeletion	●	●	●
13q13.3 微重複 13q13.3 Microduplication	●	●	●
13q14.11 微缺失 13q14.11 Microdeletion	●	●	●
13q14.11 微重複 13q14.11 Microduplication	●	●	●

第 13 號染色體 / Chromosome 13	v1.0	v2.0	v3.0
13q14.12 微缺失 13q14.12 Microdeletion	●	●	●
13q14.12 微重複 13q14.12 Microduplication	●	●	●
13q14.13 微缺失 13q14.13 Microdeletion	●	●	●
13q14.13 微重複 13q14.13 Microduplication	●	●	●
13q14.2 微缺失 13q14.2 Microdeletion	●	●	●
13q14.2 微重複 13q14.2 Microduplication	●	●	●
13q14.3 微缺失 13q14.3 Microdeletion	●	●	●
13q14.3 微重複 13q14.3 Microduplication	●	●	●
13q21.1 微缺失 13q21.1 Microdeletion	●	●	●
13q21.1 微重複 13q21.1 Microduplication	●	●	●
13q21.2 微缺失 13q21.2 Microdeletion	●	●	●
13q21.2 微重複 13q21.2 Microduplication	●	●	●
13q21.31 微缺失 13q21.31 Microdeletion	●	●	●
13q21.31 微重複 13q21.31 Microduplication	●	●	●
13q21.32 微缺失 13q21.32 Microdeletion	●	●	●
13q21.32 微重複 13q21.32 Microduplication	●	●	●
13q21.33 微缺失 13q21.33 Microdeletion	●	●	●
13q21.33 微重複 13q21.33 Microduplication	●	●	●
13q22.1 微缺失 13q22.1 Microdeletion	●	●	●
13q22.1 微重複 13q22.1 Microduplication	●	●	●
13q22.2 微缺失 13q22.2 Microdeletion	●	●	●
13q22.2 微重複 13q22.2 Microduplication	●	●	●

第 13 號染色體 / Chromosome 13	v1.0	v2.0	v3.0
13q22.3 微缺失 13q22.3 Microdeletion	●	●	●
13q22.3 微重複 13q22.3 Microduplication	●	●	●
13q31.1 微缺失 13q31.1 Microdeletion	●	●	●
13q31.1 微重複 13q31.1 Microduplication	●	●	●
13q31.2 微缺失 13q31.2 Microdeletion	●	●	●
13q31.2 微重複 13q31.2 Microduplication	●	●	●
13q31.3 微缺失 13q31.3 Microdeletion	●	●	●
13q31.3 微重複 13q31.3 Microduplication	●	●	●
13q32.1 微缺失 13q32.1 Microdeletion	●	●	●
13q32.1 微重複 13q32.1 Microduplication	●	●	●
13q32.2 微缺失 13q32.2 Microdeletion	●	●	●
13q32.2 微重複 13q32.2 Microduplication	●	●	●
13q32.3 微缺失 13q32.3 Microdeletion	●	●	●
13q32.3 微重複 13q32.3 Microduplication	●	●	●
13q33.1 微缺失 13q33.1 Microdeletion	●	●	●
13q33.1 微重複 13q33.1 Microduplication	●	●	●
13q33.2 微缺失 13q33.2 Microdeletion	●	●	●
13q33.2 微重複 13q33.2 Microduplication	●	●	●
13q33.3 微缺失 13q33.3 Microdeletion	●	●	●
13q33.3 微重複 13q33.3 Microduplication	●	●	●
13q34 微缺失 13q34 Microdeletion	●	●	●
13q34 微重複 13q34 Microduplication	●	●	●

第 14 號染色體 / Chromosome 14 v1.0 v2.0	v1.0	v2.0	v3.0
14q11.2 微缺失 14q11.2 Microdeletion	●	●	●
14q11.2 微重複 14q11.2 Microduplication	●	●	●
14q12 微缺失 14q12 Microdeletion	●	●	●
14q12 微重複 14q12 Microduplication	●	●	●
14q13.1 微缺失 14q13.1 Microdeletion	●	●	●
14q13.1 微重複 14q13.1 Microduplication	●	●	●
14q13.2 微缺失 14q13.2 Microdeletion	●	●	●
14q13.2 微重複 14q13.2 Microduplication	●	●	●
14q13.3 微缺失 14q13.3 Microdeletion	●	●	●
14q13.3 微重複 14q13.3 Microduplication	●	●	●
14q21.1 微缺失 14q21.1 Microdeletion	●	●	●
14q21.1 微重複 14q21.1 Microduplication	●	●	●
14q21.2 微缺失 14q21.2 Microdeletion	●	●	●
14q21.2 微重複 14q21.2 Microduplication	●	●	●
14q21.3 微缺失 14q21.3 Microdeletion	●	●	●
14q21.3 微重複 14q21.3 Microduplication	●	●	●
14q22.1 微缺失 14q22.1 Microdeletion	●	●	●
14q22.1 微重複 14q22.1 Microduplication	●	●	●
14q22.2 微缺失 14q22.2 Microdeletion	●	●	●
14q22.2 微重複 14q22.2 Microduplication	●	●	●
14q22.3 微缺失 14q22.3 Microdeletion	●	●	●
14q22.3 微重複 14q22.3 Microduplication	●	●	●

第 14 號染色體 / Chromosome 14 v1.0 v2.0	v1.0	v2.0	v3.0
14q23.1 微缺失 14q23.1 Microdeletion	●	●	●
14q23.1 微重複 14q23.1 Microduplication	●	●	●
14q23.2 微缺失 14q23.2 Microdeletion	●	●	●
14q23.2 微重複 14q23.2 Microduplication	●	●	●
14q23.3 微缺失 14q23.3 Microdeletion	●	●	●
14q23.3 微重複 14q23.3 Microduplication	●	●	●
14q24.1 微缺失 14q24.1 Microdeletion	●	●	●
14q24.1 微重複 14q24.1 Microduplication	●	●	●
14q24.2 微缺失 14q24.2 Microdeletion	●	●	●
14q24.2 微重複 14q24.2 Microduplication	●	●	●
14q24.3 微缺失 14q24.3 Microdeletion	●	●	●
14q24.3 微重複 14q24.3 Microduplication	●	●	●
14q31.1 微缺失 14q31.1 Microdeletion	●	●	●
14q31.1 微重複 14q31.1 Microduplication	●	●	●
14q31.2 微缺失 14q31.2 Microdeletion	●	●	●
14q31.2 微重複 14q31.2 Microduplication	●	●	●
14q31.3 微缺失 14q31.3 Microdeletion	●	●	●
14q31.3 微重複 14q31.3 Microduplication	●	●	●
14q32.11 微缺失 14q32.11 Microdeletion	●	●	●
14q32.11 微重複 14q32.11 Microduplication	●	●	●
14q32.12 微缺失 14q32.12 Microdeletion	●	●	●
14q32.12 微重複 14q32.12 Microduplication	●	●	●

第 14 號染色體 / Chromosome 14 v1.0 v2.0	v1.0	v2.0	v3.0
14q32.13 微缺失 14q32.13 Microdeletion	●	●	●
14q32.13 微重複 14q32.13 Microduplication	●	●	●
14q32.2 微缺失 14q32.2 Microdeletion	●	●	●
14q32.2 微重複 14q32.2 Microduplication	●	●	●
14q32.31 微缺失 14q32.31 Microdeletion	●	●	●
14q32.31 微重複 14q32.31 Microduplication	●	●	●
14q32.32 微缺失 14q32.32 Microdeletion	●	●	●
14q32.32 微重複 14q32.32 Microduplication	●	●	●
14q32.33 微缺失 14q32.33 Microdeletion	●	●	●
14q32.33 微重複 14q32.33 Microduplication	●	●	●
第 15 號染色體 / Chromosome 15	v1.0	v2.0	v3.0
15q11.2 微缺失 15q11.2 Microdeletion	●	●	●
15q11.2 微重複 15q11.2 Microduplication	●	●	●
15q12 微缺失 15q12 Microdeletion	●	●	●
15q12 微重複 15q12 Microduplication	●	●	●
15q13.1 微缺失 15q13.1 Microdeletion	●	●	●
15q13.1 微重複 15q13.1 Microduplication	●	●	●
15q13.2 微缺失 15q13.2 Microdeletion	●	●	●
15q13.2 微重複 15q13.2 Microduplication	●	●	●
15q13.3 微缺失症候群 15q13.3 Microdeletion Syndrome	●	●	●
15q13.3 微重複 15q13.3 Microduplication	●	●	●
15q14 微缺失 15q14 Microdeletion	●	●	●

第 15 號染色體 / Chromosome 15	v1.0	v2.0	v3.0
15q14 微重複 15q14 Microduplication	●	●	●
15q15.1 微缺失 15q15.1 Microdeletion	●	●	●
15q15.1 微重複 15q15.1 Microduplication	●	●	●
15q15.2 微缺失 15q15.2 Microdeletion	●	●	●
15q15.2 微重複 15q15.2 Microduplication	●	●	●
15q15.3 微缺失 15q15.3 Microdeletion	●	●	●
15q15.3 微重複 15q15.3 Microduplication	●	●	●
15q21.1 微缺失 15q21.1 Microdeletion	●	●	●
15q21.1 微重複 15q21.1 Microduplication	●	●	●
15q21.2 微缺失 15q21.2 Microdeletion	●	●	●
15q21.2 微重複 15q21.2 Microduplication	●	●	●
15q21.3 微缺失 15q21.3 Microdeletion	●	●	●
15q21.3 微重複 15q21.3 Microduplication	●	●	●
15q22.1 微缺失 15q22.1 Microdeletion	●	●	●
15q22.1 微重複 15q22.1 Microduplication	●	●	●
15q22.2 微缺失 15q22.2 Microdeletion	●	●	●
15q22.2 微重複 15q22.2 Microduplication	●	●	●
15q22.31 微缺失 15q22.31 Microdeletion	●	●	●
15q22.31 微重複 15q22.31 Microduplication	●	●	●
15q22.32 微缺失 15q22.32 Microdeletion	●	●	●
15q22.32 微重複 15q22.32 Microduplication	●	●	●
15q22.33 微缺失 15q22.33 Microdeletion	●	●	●

第 15 號染色體 / Chromosome 15	v1.0	v2.0	v3.0
15q22.33 微重複 15q22.33 Microduplication	●	●	●
15q23 微缺失 15q23 Microdeletion	●	●	●
15q23 微重複 15q23 Microduplication	●	●	●
15q24.1 微缺失 15q24.1 Microdeletion	●	●	●
15q24.1 微重複 15q24.1 Microduplication	●	●	●
15q24.2 微缺失 15q24.2 Microdeletion	●	●	●
15q24.2 微重複 15q24.2 Microduplication	●	●	●
15q24.3 微缺失 15q24.3 Microdeletion	●	●	●
15q24.3 微重複 15q24.3 Microduplication	●	●	●
15q25.1 微缺失 15q25.1 Microdeletion	●	●	●
15q25.1 微重複 15q25.1 Microduplication	●	●	●
15q25.2 微缺失 15q25.2 Microdeletion	●	●	●
15q25.2 微重複 15q25.2 Microduplication	●	●	●
15q25.3 微缺失 15q25.3 Microdeletion	●	●	●
15q25.3 微重複 15q25.3 Microduplication	●	●	●
15q26.1 微缺失 15q26.1 Microdeletion	●	●	●
15q26.1 微重複 15q26.1 Microduplication	●	●	●
15q26.2 微缺失 15q26.2 Microdeletion	●	●	●
15q26.2 微重複 15q26.2 Microduplication	●	●	●
15q26.3 微缺失 15q26.3 Microdeletion	●	●	●
15q26.3 微重複 15q26.3 Microduplication	●	●	●
	●	●	●

第 16 號染色體 / Chromosome 16	v1.0	v2.0	v3.0
16p13.3 微缺失 16p13.3 Microdeletion	●	●	●
16p13.3 微重複 16p13.3 Microduplication	●	●	●
16p13.2 微缺失 16p13.2 Microdeletion	●	●	●
16p13.2 微重複 16p13.2 Microduplication	●	●	●
16p13.13 微缺失 16p13.13 Microdeletion	●	●	●
16p13.13 微重複 16p13.13 Microduplication	●	●	●
16p13.12 微缺失 16p13.12 Microdeletion	●	●	●
16p13.12 微重複 16p13.12 Microduplication	●	●	●
16p13.11 微缺失 16p13.11 Microdeletion	●	●	●
16p13.11 微重複 16p13.11 Microduplication	●	●	●
16p12.3 微缺失 16p12.3 Microdeletion	●	●	●
16p12.3 微重複 16p12.3 Microduplication	●	●	●
16p12.2 微缺失 16p12.2 Microdeletion	●	●	●
16p12.2 微重複 16p12.2 Microduplication	●	●	●
16p12.1 微缺失 16p12.1 Microdeletion	●	●	●
16p12.1 微重複 16p12.1 Microduplication	●	●	●
16p11.2 微缺失 16p11.2 Microdeletion	●	●	●
16p11.2 微重複 16p11.2 Microduplication	●	●	●
16p11.1 微缺失 16p11.1 Microdeletion	●	●	●
16p11.1 微重複 16p11.1 Microduplication	●	●	●
16q11.2 微缺失 16q11.2 Microdeletion	●	●	●
16q11.2 微重複 16q11.2 Microduplication	●	●	●

第 16 號染色體 / Chromosome 16	v1.0	v2.0	v3.0
16q12.1 微缺失 16q12.1 Microdeletion	●	●	●
16q12.1 微重複 16q12.1 Microduplication	●	●	●
16q12.2 微缺失 16q12.2 Microdeletion	●	●	●
16q12.2 微重複 16q12.2 Microduplication	●	●	●
16q13 微缺失 16q13 Microdeletion	●	●	●
16q13 微重複 16q13 Microduplication	●	●	●
16q21 微缺失 16q21 Microdeletion	●	●	●
16q21 微重複 16q21 Microduplication	●	●	●
16q22.1 微缺失 16q22.1 Microdeletion	●	●	●
16q22.1 微重複 16q22.1 Microduplication	●	●	●
16q22.2 微缺失 16q22.2 Microdeletion	●	●	●
16q22.2 微重複 16q22.2 Microduplication	●	●	●
16q22.3 微缺失 16q22.3 Microdeletion	●	●	●
16q22.3 微重複 16q22.3 Microduplication	●	●	●
16q23.1 微缺失 16q23.1 Microdeletion	●	●	●
16q23.1 微重複 16q23.1 Microduplication	●	●	●
16q23.2 微缺失 16q23.2 Microdeletion	●	●	●
16q23.2 微重複 16q23.2 Microduplication	●	●	●
16q23.3 微缺失 16q23.3 Microdeletion	●	●	●
16q23.3 微重複 16q23.3 Microduplication	●	●	●
16q24.1 微缺失 16q24.1 Microdeletion	●	●	●
16q24.1 微重複 16q24.1 Microduplication	●	●	●

第 16 號染色體 / Chromosome 16	v1.0	v2.0	v3.0
16q24.2 微缺失 16q24.2 Microdeletion	●	●	●
16q24.2 微重複 16q24.2 Microduplication	●	●	●
16q24.3 微缺失 16q24.3 Microdeletion	●	●	●
16q24.3 微重複 16q24.3 Microduplication	●	●	●
第 17 號染色體 / Chromosome 17	v1.0	v2.0	v3.0
17p13.3 微缺失 17p13.3 Microdeletion	●	●	●
17p13.3 微重複 17p13.3 Microduplication	●	●	●
17p13.2 微缺失 17p13.2 Microdeletion	●	●	●
17p13.2 微重複 17p13.2 Microduplication	●	●	●
17p13.1 微缺失 17p13.1 Microdeletion	●	●	●
17p13.1 微重複 17p13.1 Microduplication	●	●	●
17p12 微缺失 17p12 Microdeletion	●	●	●
17p12 微重複 17p12 Microduplication	●	●	●
17p11.2 微缺失 17p11.2 Microdeletion	●	●	●
17p11.2 微重複 17p11.2 Microduplication	●	●	●
17p11.1 微缺失 17p11.1 Microdeletion	●	●	●
17p11.1 微重複 17p11.1 Microduplication	●	●	●
17q11.1 微缺失 17q11.1 Microdeletion	●	●	●
17q11.1 微重複 17q11.1 Microduplication	●	●	●
17q11.2 微缺失 17q11.2 Microdeletion	●	●	●
17q11.2 微重複 17q11.2 Microduplication	●	●	●
17q12 微缺失 17q12 Microdeletion	●	●	●

第 17 號染色體 / Chromosome 17	v1.0	v2.0	v3.0
17q12 微重複 17q12 Microduplication	●	●	●
17q21.2 微缺失 17q21.2 Microdeletion	●	●	●
17q21.2 微重複 17q21.2 Microduplication	●	●	●
17q21.31 微缺失 17q21.31 Microdeletion	●	●	●
17q21.31 微重複 17q21.31 Microduplication	●	●	●
17q21.32 微缺失 17q21.32 Microdeletion	●	●	●
17q21.32 微重複 17q21.32 Microduplication	●	●	●
17q21.33 微缺失 17q21.33 Microdeletion	●	●	●
17q21.33 微重複 17q21.33 Microduplication	●	●	●
17q22 微缺失 17q22 Microdeletion	●	●	●
17q22 微重複 17q22 Microduplication	●	●	●
17q23.1 微缺失 17q23.1 Microdeletion	●	●	●
17q23.1 微重複 17q23.1 Microduplication	●	●	●
17q23.2 微缺失 17q23.2 Microdeletion	●	●	●
17q23.2 微重複 17q23.2 Microduplication	●	●	●
17q23.3 微缺失 17q23.3 Microdeletion	●	●	●
17q23.3 微重複 17q23.3 Microduplication	●	●	●
17q24.1 微缺失 17q24.1 Microdeletion	●	●	●
17q24.1 微重複 17q24.1 Microduplication	●	●	●
17q24.2 微缺失 17q24.2 Microdeletion	●	●	●
17q24.2 微重複 17q24.2 Microduplication	●	●	●
17q24.3 微缺失 17q24.3 Microdeletion	●	●	●

第 17 號染色體 / Chromosome 17	v1.0	v2.0	v3.0
17q24.3 微重複 17q24.3 Microduplication	●	●	●
17q25.1 微缺失 17q25.1 Microdeletion	●	●	●
17q25.1 微重複 17q25.1 Microduplication	●	●	●
17q25.2 微缺失 17q25.2 Microdeletion	●	●	●
17q25.2 微重複 17q25.2 Microduplication	●	●	●
17q25.3 微缺失 17q25.3 Microdeletion	●	●	●
17q25.3 微重複 17q25.3 Microduplication	●	●	●
第 18 號染色體 / Chromosome 18	v1.0	v2.0	v3.0
18p11.32 微缺失 18p11.32 Microdeletion	●	●	●
18p11.32 微重複 18p11.32 Microduplication	●	●	●
18p11.31 微缺失 18p11.31 Microdeletion	●	●	●
18p11.31 微重複 18p11.31 Microduplication	●	●	●
18p11.23 微缺失 18p11.23 Microdeletion	●	●	●
18p11.23 微重複 18p11.23 Microduplication	●	●	●
18p11.22 微缺失 18p11.22 Microdeletion	●	●	●
18p11.22 微重複 18p11.22 Microduplication	●	●	●
18p11.21 微缺失 18p11.21 Microdeletion	●	●	●
18p11.21 微重複 18p11.21 Microduplication	●	●	●
18q11.1 微缺失 18q11.1 Microdeletion	●	●	●
18q11.1 微重複 18q11.1 Microduplication	●	●	●
18q11.2 微缺失 18q11.2 Microdeletion	●	●	●
18q11.2 微重複 18q11.2 Microduplication	●	●	●

第 18 號染色體 / Chromosome 18	v1.0	v2.0	v3.0
18q12.1 微缺失 18q12.1 Microdeletion	●	●	●
18q12.1 微重複 18q12.1 Microduplication	●	●	●
18q12.2 微缺失 18q12.2 Microdeletion	●	●	●
18q12.2 微重複 18q12.2 Microduplication	●	●	●
18q12.3 微缺失 18q12.3 Microdeletion	●	●	●
18q12.3 微重複 18q12.3 Microduplication	●	●	●
18q21.1 微缺失 18q21.1 Microdeletion	●	●	●
18q21.1 微重複 18q21.1 Microduplication	●	●	●
18q21.2 微缺失 18q21.2 Microdeletion	●	●	●
18q21.2 微重複 18q21.2 Microduplication	●	●	●
18q21.31 微缺失 18q21.31 Microdeletion	●	●	●
18q21.31 微重複 18q21.31 Microduplication	●	●	●
18q21.32 微缺失 18q21.32 Microdeletion	●	●	●
18q21.32 微重複 18q21.32 Microduplication	●	●	●
18q21.33 微缺失 18q21.33 Microdeletion	●	●	●
18q21.33 微重複 18q21.33 Microduplication	●	●	●
18q22.1 微缺失 18q22.1 Microdeletion	●	●	●
18q22.1 微重複 18q22.1 Microduplication	●	●	●
18q22.2 微缺失 18q22.2 Microdeletion	●	●	●
18q22.2 微重複 18q22.2 Microduplication	●	●	●
18q22.3 微缺失 18q22.3 Microdeletion	●	●	●
18q22.3 微重複 18q22.3 Microduplication	●	●	●

第 18 號染色體 / Chromosome 18	v1.0	v2.0	v3.0
18q23 微缺失 18q23 Microdeletion	●	●	●
18q23 微重複 18q23 Microduplication	●	●	●
第 19 號染色體 / Chromosome 19	v1.0	v2.0	v3.0
19p13.3 微缺失 19p13.3 Microdeletion	●	●	●
19p13.3 微重複 19p13.3 Microduplication	●	●	●
19p13.2 微缺失 19p13.2 Microdeletion	●	●	●
19p13.2 微重複 19p13.2 Microduplication	●	●	●
19p13.13 微缺失 19p13.13 Microdeletion	●	●	●
19p13.13 微重複 19p13.13 Microduplication	●	●	●
19p13.12 微缺失 19p13.12 Microdeletion	●	●	●
19p13.12 微重複 19p13.12 Microduplication	●	●	●
19p13.11 微缺失 19p13.11 Microdeletion	●	●	●
19p13.11 微重複 19p13.11 Microduplication	●	●	●
19p12 微缺失 19p12 Microdeletion	●	●	●
19p12 微重複 19p12 Microduplication	●	●	●
19q11 微缺失 19q11 Microdeletion	●	●	●
19q11 微重複 19q11 Microduplication	●	●	●
19q12 微缺失 19q12 Microdeletion	●	●	●
19q12 微重複 19q12 Microduplication	●	●	●
19q13.11 微缺失 19q13.11 Microdeletion	●	●	●
19q13.11 微重複 19q13.11 Microduplication	●	●	●
19q13.12 微缺失 19q13.12 Microdeletion	●	●	●

第 19 號染色體 / Chromosome 19	v1.0	v2.0	v3.0
19q13.12 微重複 19q13.12 Microduplication	●	●	●
19q13.13 微缺失 19q13.13 Microdeletion	●	●	●
19q13.13 微重複 19q13.13 Microduplication	●	●	●
19q13.2 微缺失 19q13.2 Microdeletion	●	●	●
19q13.2 微重複 19q13.2 Microduplication	●	●	●
19q13.31 微缺失 19q13.31 Microdeletion	●	●	●
19q13.31 微重複 19q13.31 Microduplication	●	●	●
19q13.32 微缺失 19q13.32 Microdeletion	●	●	●
19q13.32 微重複 19q13.32 Microduplication	●	●	●
19q13.33 微缺失 19q13.33 Microdeletion	●	●	●
19q13.33 微重複 19q13.33 Microduplication	●	●	●
19q13.41 微缺失 19q13.41 Microdeletion	●	●	●
19q13.41 微重複 19q13.41 Microduplication	●	●	●
19q13.42 微缺失 19q13.42 Microdeletion	●	●	●
19q13.42 微重複 19q13.42 Microduplication	●	●	●
19q13.43 微缺失 19q13.43 Microdeletion	●	●	●
19q13.43 微重複 19q13.43 Microduplication	●	●	●
第 20 號染色體 / Chromosome 20	v1.0	v2.0	v3.0
20p13 微缺失 20p13 Microdeletion	●	●	●
20p13 微重複 20p13 Microduplication	●	●	●
20p12.3 微缺失 20p12.3 Microdeletion	●	●	●
20p12.3 微重複 20p12.3 Microduplication	●	●	●

第 20 號染色體 / Chromosome 20	v1.0	v2.0	v3.0
20p12.2 微缺失 20p12.2 Microdeletion	●	●	●
20p12.2 微重複 20p12.2 Microduplication	●	●	●
20p12.1 微缺失 20p12.1 Microdeletion	●	●	●
20p12.1 微重複 20p12.1 Microduplication	●	●	●
20p11.23 微缺失 20p11.23 Microdeletion	●	●	●
20p11.23 微重複 20p11.23 Microduplication	●	●	●
20p11.22 微缺失 20p11.22 Microdeletion	●	●	●
20p11.22 微重複 20p11.22 Microduplication	●	●	●
20p11.21 微缺失 20p11.21 Microdeletion	●	●	●
20p11.21 微重複 20p11.21 Microduplication	●	●	●
20q11.1 微缺失 20q11.1 Microdeletion	●	●	●
20q11.1 微重複 20q11.1 Microduplication	●	●	●
20q11.21 微缺失 20q11.21 Microdeletion	●	●	●
20q11.21 微重複 20q11.21 Microduplication	●	●	●
20q11.22 微缺失 20q11.22 Microdeletion	●	●	●
20q11.22 微重複 20q11.22 Microduplication	●	●	●
20q11.23 微缺失 20q11.23 Microdeletion	●	●	●
20q11.23 微重複 20q11.23 Microduplication	●	●	●
20q12 微缺失 20q12 Microdeletion	●	●	●
20q12 微重複 20q12 Microduplication	●	●	●
20q13.11 微缺失 20q13.11 Microdeletion	●	●	●
20q13.11 微重複 20q13.11 Microduplication	●	●	●

第 20 號染色體 / Chromosome 20	v1.0	v2.0	v3.0
20q13.12 微缺失 20q13.12 Microdeletion	●	●	●
20q13.12 微重複 20q13.12 Microduplication	●	●	●
20q13.13 微缺失 20q13.13 Microdeletion	●	●	●
20q13.13 微重複 20q13.13 Microduplication	●	●	●
20q13.2 微缺失 20q13.2 Microdeletion	●	●	●
20q13.2 微重複 20q13.2 Microduplication	●	●	●
20q13.31 微缺失 20q13.31 Microdeletion	●	●	●
20q13.31 微重複 20q13.31 Microduplication	●	●	●
20q13.32 微缺失 20q13.32 Microdeletion	●	●	●
20q13.32 微重複 20q13.32 Microduplication	●	●	●
20q13.33 微缺失 20q13.33 Microdeletion	●	●	●
20q13.33 微重複 20q13.33 Microduplication	●	●	●
第 21 號染色體 / Chromosome 21	v1.0	v2.0	v3.0
21q11.2 微缺失 21q11.2 Microdeletion	●	●	●
21q11.2 微重複 21q11.2 Microduplication	●	●	●
21q21.1 微缺失 21q21.1 Microdeletion	●	●	●
21q21.1 微重複 21q21.1 Microduplication	●	●	●
21q21.2 微缺失 21q21.2 Microdeletion	●	●	●
21q21.2 微重複 21q21.2 Microduplication	●	●	●
21q21.3 微缺失 21q21.3 Microdeletion	●	●	●
21q21.3 微重複 21q21.3 Microduplication	●	●	●
21q22.11 微缺失 21q22.11 Microdeletion	●	●	●

第 21 號染色體 / Chromosome 21	v1.0	v2.0	v3.0
21q22.11 微重複 21q22.11 Microduplication	●	●	●
21q22.12 微缺失 21q22.12 Microdeletion	●	●	●
21q22.12 微重複 21q22.12 Microduplication	●	●	●
21q22.13 微缺失 21q22.13 Microdeletion	●	●	●
21q22.13 微重複 21q22.13 Microduplication	●	●	●
21q22.2 微缺失 21q22.2 Microdeletion	●	●	●
21q22.2 微重複 21q22.2 Microduplication	●	●	●
21q22.3 微缺失 21q22.3 Microdeletion	●	●	●
21q22.3 微重複 21q22.3 Microduplication	●	●	●
第 22 號染色體 / Chromosome 22	v1.0	v2.0	v3.0
22q11.21 微缺失 22q11.21 Microdeletion	●	●	●
22q11.21 微重複 22q11.21 Microduplication	●	●	●
22q11.22 微缺失 22q11.22 Microdeletion	●	●	●
22q11.22 微重複 22q11.22 Microduplication	●	●	●
22q11.23 微缺失 22q11.23 Microdeletion	●	●	●
22q11.23 微重複 22q11.23 Microduplication	●	●	●
22q12.1 微缺失 22q12.1 Microdeletion	●	●	●
22q12.1 微重複 22q12.1 Microduplication	●	●	●
22q12.2 微缺失 22q12.2 Microdeletion	●	●	●
22q12.2 微重複 22q12.2 Microduplication	●	●	●
22q12.3 微缺失 22q12.3 Microdeletion	●	●	●
22q12.3 微重複 22q12.3 Microduplication	●	●	●

第 22 號染色體 / Chromosome 22	v1.0	v2.0	v3.0
22q13.1 微缺失 22q13.1 Microdeletion	●	●	●
22q13.1 微重複 22q13.1 Microduplication	●	●	●
22q13.2 微缺失 22q13.2 Microdeletion	●	●	●
22q13.2 微重複 22q13.2 Microduplication	●	●	●
22q13.31 微缺失 22q13.31 Microdeletion	●	●	●
22q13.31 微重複 22q13.31 Microduplication	●	●	●
22q13.32 微缺失 22q13.32 Microdeletion	●	●	●
22q13.32 微重複 22q13.32 Microduplication	●	●	●
22q13.33 微缺失 22q13.33 Microdeletion	●	●	●
22q13.33 微重複 22q13.33 Microduplication	●	●	●
X 染色體 / X Chromosome	v1.0	v2.0	v3.0
Xp22.33 微缺失 Xp22.33 Microdeletion	●	●	●
Xp22.33 微重複 Xp22.33 Microduplication	●	●	●
Xp22.32 微缺失 Xp22.32 Microdeletion	●	●	●
Xp22.32 微重複 Xp22.32 Microduplication	●	●	●
Xp22.31 微缺失 Xp22.31 Microdeletion	●	●	●
Xp22.31 微重複 Xp22.31 Microduplication	●	●	●
Xp22.2 微缺失 Xp22.2 Microdeletion	●	●	●
Xp22.2 微重複 Xp22.2 Microduplication	●	●	●
Xp22.13 微缺失 Xp22.13 Microdeletion	●	●	●
Xp22.13 微重複 Xp22.13 Microduplication	●	●	●
Xp22.12 微缺失 Xp22.12 Microdeletion	●	●	●

X 染色體 / X Chromosome	v1.0	v2.0	v3.0
Xp22.12 微重複 Xp22.12 Microduplication	●	●	●
Xp22.11 微缺失 Xp22.11 Microdeletion	●	●	●
Xp22.11 微重複 Xp22.11 Microduplication	●	●	●
Xp21.3 微缺失 Xp21.3 Microdeletion	●	●	●
Xp21.3 微重複 Xp21.3 Microduplication	●	●	●
Xp21.2 微缺失 Xp21.2 Microdeletion	●	●	●
Xp21.2 微重複 Xp21.2 Microduplication	●	●	●
Xp21.1 微缺失 Xp21.1 Microdeletion	●	●	●
Xp21.1 微重複 Xp21.1 Microduplication	●	●	●
Xp11.4 微缺失 Xp11.4 Microdeletion	●	●	●
Xp11.4 微重複 Xp11.4 Microduplication	●	●	●
Xp11.3 微缺失 Xp11.3 Microdeletion	●	●	●
Xp11.3 微重複 Xp11.3 Microduplication	●	●	●
Xp11.23 微缺失 Xp11.23 Microdeletion	●	●	●
Xp11.23 微重複 Xp11.23 Microduplication	●	●	●
Xp11.22 微缺失 Xp11.22 Microdeletion	●	●	●
Xp11.22 微重複 Xp11.22 Microduplication	●	●	●
Xp11.21 微缺失 Xp11.21 Microdeletion	●	●	●
Xp11.21 微重複 Xp11.21 Microduplication	●	●	●
Xq11.1 微缺失 Xq11.1 Microdeletion	●	●	●
Xq11.1 微重複 Xq11.1 Microduplication	●	●	●
Xq11.2 微缺失 Xq11.2 Microdeletion	●	●	●

X 染色體 / X Chromosome	v1.0	v2.0	v3.0
Xq11.2 微重複 Xq11.2 Microduplication	●	●	●
Xq12 微缺失 Xq12 Microdeletion	●	●	●
Xq12 微重複 Xq12 Microduplication	●	●	●
Xq13.1 微缺失 Xq13.1 Microdeletion	●	●	●
Xq13.1 微重複 Xq13.1 Microduplication	●	●	●
Xq13.2 微缺失 Xq13.2 Microdeletion	●	●	●
Xq13.2 微重複 Xq13.2 Microduplication	●	●	●
Xq13.3 微缺失 Xq13.3 Microdeletion	●	●	●
Xq13.3 微重複 Xq13.3 Microduplication	●	●	●
Xq21.1 微缺失 Xq21.1 Microdeletion	●	●	●
Xq21.1 微重複 Xq21.1 Microduplication	●	●	●
Xq21.2 微缺失 Xq21.2 Microdeletion	●	●	●
Xq21.2 微重複 Xq21.2 Microduplication	●	●	●
Xq21.31 微缺失 Xq21.31 Microdeletion	●	●	●
Xq21.31 微重複 Xq21.31 Microduplication	●	●	●
Xq21.32 微缺失 Xq21.32 Microdeletion	●	●	●
Xq21.32 微重複 Xq21.32 Microduplication	●	●	●
Xq21.33 微缺失 Xq21.33 Microdeletion	●	●	●
Xq21.33 微重複 Xq21.33 Microduplication	●	●	●
Xq22.1 微缺失 Xq22.1 Microdeletion	●	●	●
Xq22.1 微重複 Xq22.1 Microduplication	●	●	●
Xq22.2 微缺失 Xq22.2 Microdeletion	●	●	●

X 染色體 / X Chromosome	v1.0	v2.0	v3.0
Xq22.2 微重複 Xq22.2 Microduplication	●	●	●
Xq22.3 微缺失 Xq22.3 Microdeletion	●	●	●
Xq22.3 微重複 Xq22.3 Microduplication	●	●	●
Xq23 微缺失 Xq23 Microdeletion	●	●	●
Xq23 微重複 Xq23 Microduplication	●	●	●
Xq24 微缺失 Xq24 Microdeletion	●	●	●
Xq24 微重複 Xq24 Microduplication	●	●	●
Xq25 微缺失 Xq25 Microdeletion	●	●	●
Xq25 微重複 Xq25 Microduplication	●	●	●
Xq26.1 微缺失 Xq26.1 Microdeletion	●	●	●
Xq26.1 微重複 Xq26.1 Microduplication	●	●	●
Xq26.2 微缺失 Xq26.2 Microdeletion	●	●	●
Xq26.2 微重複 Xq26.2 Microduplication	●	●	●
Xq26.3 微缺失 Xq26.3 Microdeletion	●	●	●
Xq26.3 微重複 Xq26.3 Microduplication	●	●	●
Xq27.1 微缺失 Xq27.1 Microdeletion	●	●	●
Xq27.1 微重複 Xq27.1 Microduplication	●	●	●
Xq27.2 微缺失 Xq27.2 Microdeletion	●	●	●
Xq27.2 微重複 Xq27.2 Microduplication	●	●	●
Xq27.3 微缺失 Xq27.3 Microdeletion	●	●	●
Xq27.3 微重複 Xq27.3 Microduplication	●	●	●
Xq28 微缺失 Xq28 Microdeletion	●	●	●

X 染色體 / X Chromosome		v1.0	v2.0	v3.0
Xq28 微重複		●	●	●
Xq28 Microduplication				
Y 染色體 / Y Chromosome		v1.0	v2.0	v3.0
Yp11.32 微缺失		●	●	●
Yp11.32 Microdeletion				
Yp11.32 微重複		●	●	●
Yp11.32 Microduplication				
Yp11.31 微缺失		●	●	●
Yp11.31 Microdeletion				
Yp11.31 微重複		●	●	●
Yp11.31 Microduplication				
Yp11.2 微缺失		●	●	●
Yp11.2 Microdeletion				
Yp11.2 微重複		●	●	●
Yp11.2 Microduplication				
Yq11.21 微缺失		●	●	●
Yq11.21 Microdeletion				
Yq11.21 微重複		●	●	●
Yq11.21 Microduplication				
Yq11.221 微缺失		●	●	●
Yq11.221 Microdeletion				
Yq11.221 微重複		●	●	●
Yq11.221 Microduplication				
Yq11.222 微缺失		●	●	●
Yq11.222 Microdeletion				
Yq11.222 微重複		●	●	●
Yq11.222 Microduplication				
Yq11.223 微缺失		●	●	●
Yq11.223 Microdeletion				
Yq11.223 微重複		●	●	●
Yq11.223 Microduplication				
Yq11.23 微缺失		●	●	●
Yq11.23 Microdeletion				
Yq11.23 微重複		●	●	●
Yq11.23 Microduplication				
Yq12 微缺失		●	●	●
Yq12 Microdeletion				
Yq12 微重複		●	●	●
Yq12 Microduplication				
單基因疾病 Single Gene Disorder	基因 Gene	v1.0	v2.0	v3.0
永久性新生兒糖尿病(先天性高胰島素血症) Diabetes mellitus, permanent neonatal(congenital hyperinsulinism)	ABCC8			●

單基因疾病 Single Gene Disorder	基因 Gene	v1.0	v2.0	v3.0
腎上腺白質退化症 Adrenoleukodystrophy	ABCD1			●
低磷酸酯酶症 Hypophosphatasia	ABCD1			●
低磷酸酯酶症 Hypophosphatasia	ALPL			●
頂骨孔症第二型 Parietal foramina 2	ALX4			●
精胺酸血症 Argininemia	ARG1			●
LEOPARD 症候群第三型 Leopard syndrome 3	BRAF			●
努南氏症候群第七型 Noonan syndrome 7	BRAF			●
顯性遺傳低血鈣症第一型(巴特氏症候群) Hypocalcemia, autosomal dominant 1(bartter syndrome)	CASR			●
囊腫纖維症 Cystic fibrosis	CFTR			●
顯性遺傳骨質石化症第二型(大理石寶寶) Osteopetrosis, autosomal dominant 2	CLCN7			●
顯性遺傳亞伯氏症候群 Alport syndrome, autosomal dominant	COL4A3			●
隱性遺傳亞伯氏症候群 Alport syndrome, autosomal recessive	COL4A4			●
性聯遺傳遺傳亞伯氏症候群 Alport syndrome, x-linked	COL4A5			●
裘馨氏肌肉萎縮症 Muscular dystrophy, duchenne type	DMD			●
貝克氏肌肉萎縮症 Muscular dystrophy, becker type	DMD			●
少汗性外胚層發育不良症 Ectodermal dysplasia	EDAR			●
致死先天性攣縮綜合徵第二型 Lethal congenital contracture syndrome 2	ERBB3			●
韋弗綜合症 Weaver syndrome	EZH2			●
LADD 症候群 Lacrimoauriculodentodigital syndrome	FGF10			●
腦顱皮膚脂肪增多症 Encephalocraniocutaneous lipomatosis	FGFR1			●
Hartsfield 症候群 Hartsfield syndrome	FGFR1			●
低促性腺激素性性腺功能減退症 Hypogonadotropic hypogonadism 2 with or without anosmia	FGFR1			●

單基因疾病 Single Gene Disorder	基因 Gene	v1.0	v2.0	v3.0
Jackson-Weiss 症候群 Jackson-weiss syndrome	FGFR1			●
Osteoglophonic 發育不良 Osteoglophonic dysplasia	FGFR1			●
Pfeiffer 症候群 Pfeiffer syndrome	FGFR1			●
三角頭畸形第一型 Trigonocephaly 1	FGFR1			●
愛柏特氏症候群 Apert syndrome	FGFR2		●	●
克魯松氏症候群 Crouzon syndrome	FGFR2		●	●
Pfeiffer 症候群 Pfeiffer syndrome	FGFR2		●	●
尖頭併指(趾)畸形第一型 Acrocephalosyndactyly, type I	FGFR2			●
Antley-Bixler 氏症候群 Antley-Bixler syndrome	FGFR2			●
Beare-Stevenson cutis gyrata 症候群 Beare-Stevenson cutis gyrata syndrome	FGFR2			●
彎骨發育不良症候群 Bent bone dysplasia syndrome	FGFR2			●
Jackson-Weiss 症候群 Jackson-weiss syndrome	FGFR2			●
LADD 症候群 Lacrimoauriculodentodigital syndrome	FGFR2			●
Saethre-Chotzen 氏症候群 Saethre-Chotzen syndrome	FGFR2			●
舟形頭合併上頷骨後縮畸形及智能障礙 Scaphocephaly, maxillary retrusion, and mental retardation	FGFR2			●
軟骨發育不全 (侏儒症) Achondroplasia	FGFR3		●	●
克魯松氏症候群 Crouzon syndrome	FGFR3		●	●
次軟骨發育不全症 Hypochondroplasia	FGFR3		●	●
Muenke 症候群 Muenke syndrome	FGFR3		●	●
致死性畸胎侏儒症第一型 Thanatophoric dysplasia, type I	FGFR3		●	●
致死性畸胎侏儒症第二型 Thanatophoric dysplasia, type II	FGFR3		●	●
嚴重型軟骨發育不全合併發展遲緩及黑色素棘皮症 Achondroplasia, severe, with developmental delay and acanthosis nigricans	FGFR3			●

單基因疾病 Single Gene Disorder	基因 Gene	v1.0	v2.0	v3.0
屈曲指合併身材高大及聽損 Camptodactyly, tall stature, and hearing loss syndrome	FGFR3			●
LADD 症候群 Lacrimoauriculodentodigital syndrome	FGFR3			●
進行性腓骨肌萎縮症 Charcot-marie-tooth disease, x-linked dominant, 1	GJB1			●
顯性遺傳低血鈣症第二型 Hypocalcemia, autosomal dominant 2	GNA11			●
家族性低尿鈣性高血鈣症第二型 Hypocalciuric hypercalcemia, familial, type II	GNA11			●
甲型海洋性貧血 α -thalassemia	HBA1			●
甲型海洋性貧血 α -thalassemia	HBA2			●
乙型海洋性貧血 β -thalassemia	HBB			●
鐮刀型貧血/鐮刀型紅血球疾病 Sickle cell anemia, sickle-cell disorders	HBB			●
顯性遺傳痙攣性下身麻痺 Spastic paraplegia 13, autosomal dominant	HSPD1			●
D-2-羥基戊二酸尿症第二型 D-2-hydroxyglutaric aciduria 2	IDH2			●
第一型類胰島素生長因子抗性 Insulin-like growth factor I, resistance to	IGF1R			●
阿拉吉歐症候群第一型 Alagille syndrome 1	JAG1			●
隱性遺傳嚴重免疫缺陷 Severe combined immunodeficiency, autosomal recessive	JAK3			●
永久性新生兒糖尿病(先天性高胰島素血症) Diabetes mellitus, permanent neonatal(congenital hyperinsulinism)	KCNJ11			●
嬰兒微血管瘤 Hemangioma, capillary infantile	KDR			●
MAPBP 相互作用蛋白缺陷之免疫缺陷 Immunodeficiency due to defect in mapbpinteracting protein	LAMTOR2			●
Cardiofaciocutaneous 症候群第三型 Cardiofaciocutaneous syndrome 3	MAP2K1			●
多發性骨骺發育不全第五型 Epiphyseal dysplasia, multiple, 5	MATN3			●
雷特氏症 Rett syndrome	MECP2			●
頂骨孔症第一型 Parietal foramina 1	MSX2			●

單基因疾病 Single Gene Disorder	基因 Gene	v1.0	v2.0	v3.0
阿拉吉歐症候群第二型 Alagille syndrome 2	NOTCH2			●
無虹膜症第一型 Aniridia 1	PAX6			●
隱性遺傳低免疫球蛋白症 Agammaglobulinemia 7, autosomal recessive	PIK3R1			●
免疫缺乏症第 36 型 Immunodeficiency 36	PIK3R1			●
SHORT 症候群 SHORT syndrome	PIK3R1			●
Leopard 症候群第一型 Leopard syndrome 1	PTPN11			●
混合性軟骨瘤病 Metachondromatosis	PTPN11			●
努南氏症候群第一型 Noonan syndrome 1	PTPN11			●
卡本特氏症候群第一型 Carpenter syndrome 1	RAB23			●
努南氏症候群第五型 Noonan syndrome 5	RAF1			●
努南氏症候群第八型 Noonan syndrome 8	RIT1			●
少年多發性/遺傳性出血性血管擴張症 Juvenile polyposis/hereditary hemorrhagic telangiectasia syndrome	SMAD4			●
年輕型多發息肉症候群 Juvenile polyposis syndrome	SMAD4			●
Myhre 症候群 Myhre syndrome	SMAD4			●
肌萎縮性側索硬化症第一型 Amyotrophic lateral sclerosis 1	SOD1			●
努南氏症候群第四型 Noonan syndrome 4	SOS1			●
嬰兒期發病之多系統自體免疫疾病第一型 Autoimmune disease, multisystem, infantile-onset, 1	STAT3			●
顯性遺傳高免疫球蛋白 E 症候群 Hyper-ige recurrent infection syndrome, autosomal dominant	STAT3			●
肌萎縮性側索硬化症第十型 Amyotrophic lateral sclerosis 10	TARDBP			●
顱縫過早癒合症第三型 Craniosynostosis 3	TCF12			●
家族性澱粉樣多發性神經病變 Amyloid polyneuropathy, familial	TTR			●

單基因疾病 Single Gene Disorder	基因 Gene	v1.0	v2.0	v3.0
Saethre-Chotzen 氏症候群 Saethre-Chotzen syndrome	TWIST1			●
肌萎縮性側索硬化症第八型 Amyotrophic lateral sclerosis 8	VAPB			●
逢希伯-林道症候群 (視網膜小腦脊髓血管瘤症) Von Hippel-Lindau syndrome	VHL			●