| Phenotype                    | Family3.III.1<br>(Proband)            | Family3.III.2<br>(twin brother) |
|------------------------------|---------------------------------------|---------------------------------|
| Age (years)                  | 9                                     | 9                               |
| ID                           | Moderate                              | Borderline                      |
| IQ                           | 42                                    | 72                              |
| Independent walking (months) | 15                                    | 13                              |
| First words (years)          | 5                                     | 2                               |
| Talk in sentences            | Not attained                          | 3 years                         |
| Head circumference (cm)      | 52                                    | 51                              |
| Height (cm)                  | 142                                   | 138                             |
| Anterior hairline            | Low                                   | Typical                         |
| Synophrys                    | Yes                                   | Yes                             |
| High arched palate           | Yes                                   | Yes                             |
| Long/prominent ears          | Yes                                   | Yes                             |
| Hearing                      | Bilateral sensory-neural              | Bilateral sensory-neural        |
|                              | hearing impairment                    | hearing impairment              |
| Neck                         | Broad                                 | Broad                           |
| Gynecomastia                 | Mild                                  | Mild                            |
| Enlarged nipples             | Yes                                   | Yes                             |
| Abdomen                      | Distended                             | Distended                       |
| Knees                        | Mild knock knees                      | Mild knock knees                |
| Behavior                     | Autism spectrum disorder<br>with ADHD | No abnormality                  |

| Supplementary Table S3. Phenotype Details of Affected Individuals from Family 3 |
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