### **Supplementary file 6. Sequencing information of PUMCH IS cohort.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristics** | **Cases** |  | **Controls** |
| **Trio** | **Singleton** |  | **Trio** | **Singleton** |
| Exome sequencing | 41 | 113 |  | 2,021 | 224 |
| Genome sequencing | 116 | 148 |  | 483 | 1,072 |
| Sum | 157 | 261 |  | 2,504 | 1,296 |
| Passing QC | 155 | 256 |  | 2,504 | 1,296 |

Abbreviations: QC (quality control); IS (idiopathic scoliosis).