**e-Table 1**

***ACO2* homozygous missense mutation associated**

**with complicated hereditary spastic paraplegia**

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**Supplementary Table 1 Candidate genomic regions supported under an autosomal recessive model of inheritance**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chr** | **Start SNP** | **End SNP** | **Start (GRCh37/hg19)** | **End** | **LOD score** | **Size in Mb** | **Size in cM** |
| 2 | rs1429258 | rs1520344 | 155,390,620 | 156,671,343 | 1.92 | 1.28 | 1.46 |
| 4 | rs2290405 | rs12503220 | 946,974 | 2,850,142 | 1.92 | 1.90 | 2.56 |
| 5 | rs9327065 | rs2897883 | 117,345,425 | 124,245,657 | 1.92 | 6.90 | 4.45 |
| 17 | rs7207403 | rs4794558 | 47,210,506 | 53,347,953 | 1.92 | 6.14 | 6.87 |
| 22 | rs926755 | rs4822135 | 36,134,690 | 42,876,604 | 1.92 | 6.74 | 9.29 |
|  |  |  |  |  |  |  |  |
|  |  |  |  | **Total** |  | 22.96 Mb | 24.63 cM |
|  |  |  |  |  |  |  |  |