**S5 Table.** Two-point Lod scores (Z) for linkage between the POAG locus in the family (all three generations) and markers on chromosome 2p listed in physical distance (bp) from the telomere (2p-tel).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Marker | Genomic location | Z at recombination fraction θ = | | | | | | | | |
| 0.00 | 0.05 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | ZMax | θMax |
| D2S2220 | 2:38,500,340-38,500,453 | -∞ | -2.05 | -1.01 | -0.16 | 0.14 | 0.17 | 0.00 | 0.18 | 0.35 |
| D2S391 | 2.46,411,803-46,411,644 | -∞ | 0.39 | 0.58 | 0.62 | 0.51 | 0.30 | 0.00 | 0.63 | 0.15 |
| D2S123 | 2:51,288,437-51,288,647 | 0.88 | 0.93 | 0.91 | 0.78 | 0.58 | 0.31 | 0.00 | 0.93 | 0.05 |
| c.418C>T | 2:56,144,899 | 4.51 | 4.15 | 3.78 | 2.96 | 2.04 | 0.99 | 0.00 | 4.51 | 0.00 |
| D2S378 | 2:57,303,761-57,303,887 | 4.21 | 3.88 | 3.53 | 2.76 | 1.89 | 0.91 | 0.42 | 4.21 | 0.00 |
| D2S2113 | 2:70,518,112-70,518,305 | -∞ | 2.32 | 2.31 | 1.95 | 1.38 | 0.66 | 0.00 | 2.32 | 0.05 |
| D2S311 | 2:197,567,034-197,567,123 | -∞ | -3.31 | -2.12 | -1.01 | -0.44 | -0.14 | 0.00 | 0.00 | 0.50 |