**Supplementary Table 1. Two-point LOD scores for linkage between cataract locus and chromosome 22 markers**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Marker** | **Genetic distances （cM）** | **LOD scores at recombination for values of θ** | | | | | | | |
| **0** | **0.01** | **0.05** | **0.1** | **0.2** | **0.3** | **0.4** | **Zmax** |
| D22S315 | 21.74 | 0.40 | 0.30 | 0.27 | 0.25 | 0.20 | 0.14 | 0.08 | 0.40 |
| D22S1167 | 24.74 | 1.32 | 1.27 | 1.14 | 0.81 | 0.73 | 0.69 | 0.39 | 1.32 |
| D22S280 | 31.30 | 1.85 | 1.64 | 1.32 | 1.16 | 0.85 | 0.65 | 0.48 | 1.85 |
| D22S277 | 36.22 | 2.39 | 2.18 | 1.82 | 1.65 | 1.33 | 1.12 | 0.89 | 2.39 |
| D22S283 | 38.62 | 2.69 | 2.39 | 2.19 | 1.98 | 1.53 | 1.02 | 0.48 | 2.69 |
| D22S284 | 46.42 | 1.36 | 1.07 | 0.99 | 0.84 | 0.66 | 0.43 | 0.31 | 1.36 |