

**Table S6**

|               |         | <i>n</i> | Age         | <i>P</i> <sup>a</sup>    | female/male | <i>P</i> <sup>b</sup>    |
|---------------|---------|----------|-------------|--------------------------|-------------|--------------------------|
| Present GWAS  |         |          |             |                          |             |                          |
|               | POAG    | 833      | 61.5 ± 13.7 | 8.7 × 10 <sup>-5</sup>   | 1.1         | < 1.0 × 10 <sup>-6</sup> |
|               | HPG     | 330      | 63.0 ± 12.9 | 2.0 × 10 <sup>-6</sup>   | 0.9         | < 1.0 × 10 <sup>-6</sup> |
|               | NPG     | 503      | 60.6 ± 14.1 | 0.03                     | 1.3         | 3.2 × 10 <sup>-4</sup>   |
|               | Control | 686      | 58.8 ± 13.5 |                          | 2.0         |                          |
| Previous GWAS |         |          |             |                          |             |                          |
|               | POAG    | 411      | 64.7 ± 13.3 | < 1.0 × 10 <sup>-6</sup> | 1.0         | 0.23                     |
|               | HPG     | 215      | 65.7 ± 12.4 | < 1.0 × 10 <sup>-6</sup> | 0.8         | 0.02                     |
|               | NPG     | 196      | 63.6 ± 14.1 | < 1.0 × 10 <sup>-6</sup> | 1.3         | 0.83                     |
|               | Control | 289      | 51.2 ± 13.9 |                          | 1.3         |                          |

<sup>a</sup> *P* value of Student's t test for case and control comparisons.

<sup>b</sup> *P* value of  $\chi^2$  test for case and control comparisons.