|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cohort** | **GD Phenotype** | **Measure** | **SNP rs12101255** | | | | | | |
| **T/T** | **T/C** | **C/C** | **Genotype P-value** | **T** | **C** | **Allele P-value** |
| **Warsaw:** | **Age of GD onset (mean years):** | **< 30** | 28 | 70 | 64 | **0.28** | 126 | 198 | **0.14** |
| **≥ 30** | 46 | 162 | 164 | 254 | 490 |
| **Thyroid Ophthamopathy (NOSPECS):** | **< 2** | 43 | 149 | 143 | **0.87** | 235 | 435 | **0.78** |
| **≥ 2** | 32 | 96 | 95 | 160 | 286 |
| **Smoking:** | **Smoker** | 26 | 91 | 102 | **0.30** | 143 | 295 | **0.12** |
| **Non-Smoker** | 49 | 154 | 136 | 252 | 426 |
| **Gliwice:** | **Age of GD onset (mean years):** | **< 30** | 5 | 13 | 17 | **0.21** | 23 | 47 | **0.16** |
| **≥ 30** | 27 | 81 | 53 | 135 | 187 |
| **Thyroid Ophthamopathy (NOSPECS):** | **< 2** | 2 | 15 | 4 | **0.23** | 19 | 23 | **0.75** |
| **≥ 2** | 15 | 44 | 28 | 74 | 100 |
| **Smoking:** | **Smoker** | 18 | 42 | 33 | **0.62** | 78 | 108 | **0.48** |
| **Non-Smoker** | 14 | 48 | 37 | 76 | 122 |
| **UK GD National Collection:** | **Age of GD onset (mean years):** | **< 30** | 99 | 242 | 153 | **0.47** | 440 | 548 | **0.23** |
| **≥ 30** | 410 | 885 | 531 | 1705 | 1947 |
| **Thyroid Ophthamopathy (NOSPECS):** | **< 2** | 239 | 501 | 330 | **0.06** | 979 | 1161 | **0.92** |
| **≥ 2** | 228 | 600 | 330 | 1056 | 1260 |
| **Smoking:** | **smoker** | 174 | 404 | 246 | **0.94** | 752 | 896 | **0.86** |
| **Non-Smoker** | 231 | 559 | 336 | 1021 | 1231 |

**Table S4**