**Table S3.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | ***SNPassoc:* Additive model** | | | |
| **Hair color** | **Genotype** | **Freq.** | **HW** | **Fisher** | **OR** | **lower** | **upper** | **p-value** |
| **Black** | 374F/374F | 48 | 1 | 0.0002\* | 2.14 | 1.33 | 3.43 | **0.0018\*\*** |
|  | 374F/374L | 36 |  |  |  |  |  |  |
|  | 374L/374L | 1 |  |  |  |  |  |  |
| **Dark brown** | 374F/374F | 17 | 1 |  | 2.24 | 1.17 | 4.29 | **0.0189\*\*** |
|  | 374F/374L | 14 |  |  |  |  |  |  |
|  | 374L/374L | 1 |  |  |  |  |  |  |
| **Brown** | 374F/374F | 158 | 0.9291 |  | 0.49 | 0.32 | 0.77 | **0.0016\*\*** |
|  | 374F/374L | 39 |  |  |  |  |  |  |
|  | 374L/374L | 3 |  |  |  |  |  |  |
| **Blonde** | 374F/374F | 22 | 0.7304 |  | 0.22 | 0.05 | 0.95 | 0.0861 |
|  | 374F/374L | 2 |  |  |  |  |  |  |
|  | 374L/374L | 0 |  |  |  |  |  |  |
| **Red** | 374F/374F | 2 | 0.0818 |  | 1.17 | 0.13 | 10.85 | 1 |
|  | 374F/374L | 1 |  |  |  |  |  |  |
|  | 374L/374L | 0 |  |  |  |  |  |  |
|  |  |  |  |  | ***SNPassoc:* Additive model** | | | |
| **Eye color** | **Genotype** | **Freq.** | **HW** | **Fisher** | **OR** | **lower** | **upper** | **p-value** |
| **Brown/Black** | 374F/374F | 139 | 1 | 0.2023 | 1.94 | 1.2 | 3.14 | **0.0054\*\*** |
|  | 374F/374L | 66 |  |  |  |  |  |  |
|  | 374L/374L | 4 |  |  |  |  |  |  |
| **Hazel** | 374F/374F | 43 | 1 |  | 0.72 | 0.38 | 1.37 | 0.3068 |
|  | 374F/374L | 11 |  |  |  |  |  |  |
|  | 374L/374L | 1 |  |  |  |  |  |  |
| **Green** | 374F/374F | 42 | 1 |  | 0.67 | 0.34 | 1.29 | 0.5109 |
|  | 374F/374L | 12 |  |  |  |  |  |  |
|  | 374L/374L | 0 |  |  |  |  |  |  |
| **Blue** | 374F/374F | 22 | 1 |  | 0.22 | 0.05 | 0.94 | 0.0863 |
|  | 374F/374L | 2 |  |  |  |  |  |  |
|  | 374L/374L | 0 |  |  |  |  |  |  |
| **Grey** | 374F/374F | 1 | 0.1893 |  | 2.03 | 0.19 | 22.15 | 0.4850 |
|  | 374F/374L | 1 |  |  |  |  |  |  |
|  | 374L/374L | 0 |  |  |  |  |  |  |

**\*\* significant after Bonferroni correction**

**Freq**.=Absolut frequency of each genotype; HW=Hardy Weinberg equilibrium (p-value); **Fisher**=Fisher’s Exact Test (p-value); **OR**=Odd’s Ratio; **lower and upper** = confidence intervals.