|  |  |  |
| --- | --- | --- |
|  | rs6313 | HWE p-value |
| TT | TC | CC |
| Schizophrenia | 44 (29%) | 71 (46%) | 37 (25%) | 0.431494 |
| Healthy controls | 45 (28%) | 74 (47%) | 39 (25%) | 0.738562 |

* HWE calculation in cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | Mean | Standard deviation | p-value |
| Schizophrenia | 38.758170 | 10.923192 | 0.296533 |
| Healthy controls | 37.563291 | 9.113882 |
| Total  | 38.151125 | 10.046328 |

* Comparison of age between cases and controls

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Males  | Females  | df  | p-value |
| Schizophrenia | 76 (49%) | 77 (51%) | 1 | 0.820893 |
| Healthy controls | 76 (48%) | 82 (52%) |
| Total  | 152 (49%) | 159 (51%) |

* Comparison of gender between cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | rs6313 | df  | p-value |
| TT | TC | CC |
| Schizophrenia | 44 (29%) | 71 (46%) | 37 (25%) | 1 | 0.995106 |
| Healthy controls | 45 (28%) | 74 (47%) | 39 (25%) |
| Total  | 89 (29%) | 145 (47%) | 76 (24%) |

* Comparison of rs6313 genotype between cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | rs6313 | df  | p-value |
| TT  | TC & CC  |
| Schizophrenia | 44 (29%) | 108 (71%) | 1 | 1 |
| Healthy controls | 45 (28%) | 113 (72%) |
| Total  | 89 (29%) | 221 (71%) |

* Comparison of rs6313 C allele carriers between cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | rs6313 | df  | p-value |
| TT & TC | CC  |
| Schizophrenia | 115 (75%) | 37 (25%) | 1 | 1 |
| Healthy controls | 119 (75%) | 39 (25%) |
| Total  | 234 (76%) | 76 (24%) |

* Comparison of rs6313 T allele carriers between cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | rs6313 | df  | p-value |
| TC | TT & CC  |
| Schizophrenia | 71 (46%) | 81 (54%) | 1 | 1 |
| Healthy controls | 74 (47%) | 84 (53%) |
| Total  | 145 (47%) | 165 (53%) |

* Comparison of rs6313 heterozygosity between cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | Gender | df | p-value |
| Males | Females |
| Schizophrenia | TT | 27 (35%) | 17 (22%) | 2 | 0.135066 |
| TC | 30 (39%) | 41 (53%) |
| CC | 19 (26%) | 18 (25%) |
| Healthy controls | TT | 14 (18%) | 31 (38%) | 2 | 0.015473 |
| TC | 38 (50%) | 36 (43%) |
| CC | 24 (32%) | 15 (19%) |
| Total  | TT | 41 (27%) | 48 (30%) | 2 | 0.315104 |
| TC | 68 (44%) | 77 (49%) |
| CC | 43 (29%) | 33 (21%) |

* Comparison of genotype frequency between males and females in cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | Gender | df | p-value |
| Males | Females |
| Schizophrenia | TT | 27 (35%) | 17 (22%) | 1 | 0.106919 |
| TC & CC | 49 (65%) | 59 (78%) |
| Healthy controls | TT | 14 (14%) | 31 (38%) | 1 | 0.008223 |
| TC & CC | 62 (86%) | 51 (62%) |
| Total  | TT | 41 (27%) | 48 (30%) | 1 | 0.531967 |
| TC & CC | 111 (73%) | 110 (70%) |

* Comparison of rs6313 C allele carriers between males and females in cases and controls
* Odds Ratio: 0.371488, p-value Fisher's Exact Test = 0.008223

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | T | C | df | p-value |
| Schizophrenia | 159 (52%) | 145 (48%) | 1 | 0.9839 |
| Healthy controls | 164 (52%) | 152 (48%) |
| Total  | 323 (52%) | 297 (48%) |

* Allele frequency between cases and controls

|  |  |  |  |
| --- | --- | --- | --- |
|  | Gender | df | p-value |
| Males | Females |
| Schizophrenia | T  | 84 (55%) | 75 (49%) | 1 | 0.3583 |
| C  | 68 (45%) | 77 (51%) |
| Healthy controls | T  | 66 (43%) | 98 (60%) | 1 | 0.005253 |
| C  | 86 (57%) | 66 (40%) |
| Total  | T | 170 (52%) | 173 (55%) | 1 | 0.6182 |
| C | 154 (48%) | 143 (45% ) |

* Comparison of rs6313 allele frequency between males and females in cases and controls
* Odds Ratio: 0.5179456, p-value Fisher's Exact Test = 0.004786