

Table 1: Distribution of the top 200 negatively *COMT*-correlated genes by Chromosome: Temporal

| Chromosome | Frequency | Expected | Enrichment | P value |
|------------|-----------|----------|------------|---------|
| 1          | 20        | 20.9     | 0.96       | 0.84000 |
| 2          | 10        | 12.8     | 0.78       | 0.42000 |
| 3          | 17        | 10.8     | 1.58       | 0.05000 |
| 4          | 10        | 7.6      | 1.32       | 0.37000 |
| 5          | 21        | 8.9      | 2.35       | 0.00000 |
| 6          | 13        | 10.7     | 1.21       | 0.47000 |
| 7          | 4         | 8.9      | 0.45       | 0.09000 |
| 8          | 7         | 6.8      | 1.04       | 0.94000 |
| 9          | 8         | 8.1      | 0.99       | 0.97000 |
| 10         | 13        | 7.5      | 1.73       | 0.04000 |
| 11         | 6         | 13.2     | 0.45       | 0.04000 |
| 12         | 13        | 10.8     | 1.20       | 0.49000 |
| 13         | 4         | 3.3      | 1.22       | 0.70000 |
| 14         | 7         | 6.2      | 1.13       | 0.74000 |
| 15         | 7         | 5.8      | 1.21       | 0.61000 |
| 16         | 4         | 8.3      | 0.48       | 0.13000 |
| 17         | 7         | 11.7     | 0.60       | 0.16000 |
| 18         | 6         | 2.8      | 2.11       | 0.06000 |
| 19         | 4         | 13.8     | 0.29       | 0.01000 |
| 20         | 6         | 5.8      | 1.04       | 0.93000 |
| 21         | 4         | 2.7      | 1.51       | 0.42000 |
| 22         | 1         | 4.4      | 0.23       | 0.10000 |
| X          | 8         | 8.3      | 0.97       | 0.92000 |