|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supplementary Data 2. Significantly (Fisher’s Exact < 0.001) enriched terms for cellular component (CC) per trait. | | | | | |
| Trait | ID | Term | No. of significant genes | No. of genes in the term | Fisher's Exact Test |
| DD AFFECTED | GO:0031226 | intrinsic component of plasma membrane | 60 | 1061 | 6,80E-05 |
|  | GO:0005887 | integral component of plasma membrane | 56 | 1016 | 2,30E-04 |
|  | GO:0012505 | endomembrane system | 116 | 2565 | 5,70E-04 |
|  | GO:0044459 | plasma membrane part | 85 | 1768 | 5,90E-04 |
| DD ACUTE | GO:0042995 | cell projection | 65 | 1140 | 6,70E-04 |
|  | GO:0044456 | synapse part | 25 | 330 | 8,80E-04 |
| DD CHRONICITY | GO:0000139 | Golgi membrane | 24 | 304 | 1,00E-04 |
|  | GO:0098588 | bounding membrane of organelle | 53 | 976 | 3,70E-04 |
|  | GO:0031225 | anchored component of membrane | 8 | 57 | 6,00E-04 |
|  | GO:0031226 | intrinsic component of plasma membrane | 55 | 1061 | 8,80E-04 |
| DD PROLIFERATION | GO:0044301 | climbing fiber | 2 | 2 | 8,90E-04 |

Note that GO:0031226 intrinsic component of plasma membrane is significantly (Fisher’s Exact < 0.001) enriched for traits DD AFFECTED and DD CHRONICITY