### **Supplementary file 5. The effect of treatment with different anti-inflammatory substances and stress suppressors on the frequency of the surface glia phenotype in *sws*and *moody* mutants**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Genotype* + Drug | % of brain hemispheres with CoraC phenotype | Delta % after treatment | P-value | Number of brain hemispheres analyzed |
| *sws1* | 75% |  |  | 85 |
| *sws1 + 5% Glucose* | 74% | -1% | ap = 0.9 | 94 |
| *sws1 +* *Tauroursodeoxycholic acid (TUDCA) 0.015M* | 81% | 6% | ap = 0.31 | 102 |
| *sws1 + Sodium 4-Phenylbutyrate (4-PBA) 0.02M* | 70% | -6% | ap = 0.37 | 139 |
| *sws1* *+ Valsartan 0.02M* | 66% | -10% | ap = 0.15 | 114 |
| *sws1* *+ Fenofibrate 0.02M* | 78% | 2% | ap = 0.71 | 116 |
| *sws1* *+* *Sodium Salicylate 0.03M* | 53% | -22% | ap = 1E-3 | 144 |
| *sws1* *+* *Rapamycin (Rap) 0.0001M* | 62% | -13% | ap = 0.05 | 132 |
| *sws1* *+* *Deferoxamine mesylate salt (DFO) 0.0005M* | 64% | -11% | ap = 0.08 | 128 |
| *sws1* *+* *Liproxstatin-1 0.004M* | 70% | -5% | ap = 0.45 | 101 |
| *sws1* *+* *Sphingosine (BS) 0.003M* | 64% | -11% | ap = 0.14 | 73 |
| *sws1 + 5%Glucose* | 79% |  |  | 134 |
| *sws1 + Sodium Sal. 0.03M* | 49% | -30% | ap = 4E-7 | 130 |
| *sws1 + Rapamycin 0.0001M* | 62% | -17% | ap = 1.8E-3 | 133 |
| *moody ΔC17 + 5%Glucose* | 60% |  |  | 118 |
| *moody ΔC17 + Sodium Sal. 0.03M* | 46% | -14% | bp = 0.02 | 156 |
| *moody ΔC17 + Rapamycin 0.0001M* | 39% | -21% | bp = 2E-3 | 104 |

a – compared to *sws1* (no drug treatment)

b – compared to *moody ΔC17* (no drug treatment)

The values are reported from experiments done in triplicates. For statistical analyses of the observed phenotypes, two-way tables and χ2-test were used.