Table 3 - Differentially expressed genes in Lower Grade Glioma (LGG)

| Gene symbol | Median (tumor) | Median (normal) | Log2 (Fold Change) | P-value (adj) |
| --- | --- | --- | --- | --- |
| Down-regulated |  |  |  |  |
| *AP1G2* | 16.950 | 94.989 | -2.419 | 5.69e-151 |
| *SLC12A5* | 26.044 | 119.204 | -2.152 | 1.55e-77 |
| *ABCA5* | 2.065 | 12.290 | -2.116 | 2.99e-96 |
| *NAGPA* | 8.180 | 32.819 | -1.881 | 4.60e-124 |
| *AP3B2* | 27.130 | 91.829 | -1.722 | 2.28e-68 |
| *PLA2G4B* | 4.190 | 11.070 | -1.218 | 1.62e-54 |
| *LAMP5* | 11550 | 28099 | -1.213 | 3.21e-17 |
| *ATP6V1H* | 53.690 | 121.591 | -1.165 | 1.21e-56 |
| *ABCB9* | 6.205 | 15.030 | -1.154 | 3.91e-53 |
| *SLC17A6* | 0.05 | 1.990 | -1.090 | 2.43e-29 |
| Up-regulated |  |  |  |  |
| *ARSB* | 6.280 | 2.100 | 1.232 | 2.11e-142 |
| *ASAH1* | 134.885 | 53.389 | 1.321 | 2.03e-139 |
| *CLN3* | 31.535 | 11.090 | 1.428 | 4.01e-185 |
| *GM2A* | 33.889 | 10.420 | 1.611 | 1.64e-166 |
| *NAGLU* | 26.099 | 6.010 | 1.951 | 6.66e-217 |
| *DNASE2* | 43.459 | 9.830 | 2.037 | 1.89e-225 |
| *ATP6V0E1* | 208.715 | 46.381 | 2.146 | 2.80e-230 |
| *MAN2B1* | 35.255 | 7.190 | 2.146 | 5.43e-172 |
| *CTSO* | 32.446 | 5.660 | 2.328 | 6.24e-180 |
| *CD68* | 62.199 | 2.150 | 4.326 | 6.86e-177 |