**Table 3.** The top 50 mRNAs in burn samples.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Top 25 up-regulated mRNAs** | | | | **Top 25 down-regulated mRNAs** | | | |
| **Name** | **Log2FC** | ***P* Value** | **FDR** | **Name** | **Log2FC** | ***P* Value** | **FDR** |
| MCEMP1 | 6.1515 | 3.91E-81 | 1.07E-76 | NOV | -2.3850 | 1.26E-84 | 6.88E-80 |
| S100A12 | 4.8098 | 4.20E-75 | 7.66E-71 | GRAMD1C | -1.3584 | 4.02E-64 | 2.74E-60 |
| S100A9 | 1.8728 | 9.77E-71 | 1.34E-66 | EPHB1 | -1.3414 | 2.37E-60 | 1.08E-56 |
| GYG1 | 4.3156 | 1.13E-66 | 1.24E-62 | TIGD3 | -2.2649 | 4.43E-60 | 1.86E-56 |
| CD177 | 8.4794 | 7.16E-66 | 6.52E-62 | BTBD11 | -1.9823 | 1.30E-56 | 3.96E-53 |
| GYG1 | 4.3726 | 6.17E-65 | 4.82E-61 | TRANK1 | -2.9925 | 7.07E-50 | 8.41E-47 |
| ANXA3 | 5.2463 | 2.03E-63 | 1.23E-59 | MAP3K14 | -1.3190 | 1.49E-49 | 1.70E-46 |
| CYSTM1 | 4.2805 | 2.93E-61 | 1.60E-57 | HSH2D | -2.5316 | 2.29E-49 | 2.55E-46 |
| MMP8 | 8.6503 | 6.19E-61 | 3.07E-57 | PDE4B | -2.8312 | 3.40E-46 | 2.78E-43 |
| HP | 7.0302 | 2.42E-59 | 9.46E-56 | SPOCK2 | -1.4840 | 7.77E-46 | 5.66E-43 |
| GPR84 | 6.5471 | 3.26E-58 | 1.19E-54 | EPHA4 | -1.3546 | 2.51E-45 | 1.68E-42 |
| MMP9 | 4.2406 | 4.07E-56 | 1.11E-52 | LINC00877 | -1.9767 | 2.62E-45 | 1.73E-42 |
| ARG1 | 6.7087 | 8.56E-56 | 2.23E-52 | CHST7 | -1.8138 | 4.53E-45 | 2.81E-42 |
| RAB32 | 2.5382 | 3.55E-55 | 8.44E-52 | PTCH1 | -2.5688 | 5.10E-45 | 3.13E-42 |
| S100A8 | 1.3138 | 3.76E-55 | 8.56E-52 | NOG | -1.7689 | 1.53E-44 | 9.18E-42 |
| UPP1 | 2.9615 | 3.29E-54 | 6.91E-51 | PTPN4 | -1.3353 | 2.32E-44 | 1.37E-41 |
| FCER1G | 2.4722 | 1.24E-53 | 2.35E-50 | NMT2 | -1.7393 | 5.79E-44 | 3.30E-41 |
| GADD45A | 4.5281 | 1.24E-53 | 2.35E-50 | PASK | -2.4429 | 6.73E-44 | 3.75E-41 |
| NLRC4 | 3.2848 | 1.25E-53 | 2.35E-50 | TMCC1 | -1.9003 | 7.87E-44 | 4.30E-41 |
| GAPDH | 1.3502 | 2.23E-53 | 3.94E-50 | SIN3A | -1.4092 | 1.97E-43 | 1.06E-40 |
| METTL9 | 2.4041 | 1.51E-52 | 2.50E-49 | MAN1C1 | -2.3348 | 1.28E-42 | 6.20E-40 |
| BMX | 4.3281 | 4.19E-52 | 6.54E-49 | ALDH1A1 | -2.3448 | 1.45E-42 | 6.86E-40 |
| MMP8 | 8.1695 | 8.86E-52 | 1.35E-48 | TAGAP | -1.7319 | 2.64E-42 | 1.22E-39 |
| CLEC4D | 5.7315 | 1.44E-51 | 2.13E-48 | CLIC3 | -2.8260 | 3.22E-41 | 1.35E-38 |
| GAPDH | 1.4291 | 2.35E-51 | 3.38E-48 | AUTS2 | -3.2661 | 4.46E-41 | 1.84E-38 |