HNSCC-Expression product

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HNSCC | Fibroblasts | B cells | Myocytes | Macrophages | Endothelial | T cells | Dendritic | Mast |
| HNSCC cells | 1390.348 | 293.6841 | 784.6487 | 160.7941 | 803.4157 | 233.013 | 227.063 | 187.2042 | 133.5308 |
| Fibroblasts | 1374.532 | 281.062 | 794.7919 | 134.1549 | 850.5049 | 256.0778 | 257.8506 | 199.9173 | 145.114 |
| B cells | 608.0401 | 124.9923 | 366.1524 | 71.99648 | 415.4168 | 103.0399 | 196.4335 | 113.0617 | 75.43881 |
| Myocytes | 633.574 | 126.3074 | 373.3513 | 69.01245 | 392.4701 | 99.11839 | 158.7192 | 99.09464 | 70.95094 |
| Macrophages | 1445.675 | 310.7173 | 825.2278 | 151.0003 | 930.434 | 251.4382 | 331.5561 | 252.8561 | 202.3849 |
| Endothelial | 1330.957 | 292.6877 | 765.601 | 148.2584 | 829.6562 | 284.0124 | 279.9194 | 223.6204 | 154.0282 |
| T cells | 610.2209 | 138.9114 | 360.8547 | 73.24427 | 397.6878 | 108.6585 | 197.3603 | 112.0028 | 69.97689 |
| Dendritic cells | 862.2524 | 198.7052 | 513.1797 | 106.2555 | 559.9891 | 153.6739 | 281.7194 | 208.4586 | 122.8532 |
| Mast cells | 916.2083 | 183.3002 | 529.7791 | 86.1408 | 559.0759 | 136.0883 | 220.0827 | 132.3272 | 91.66543 |

HNSCC-Expression thresholding

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HNSCC | Fibroblasts | B | Myocytes | Macrophages | Endothelial | T | Dendritic | Mast |
| HNSCC | 11 | 0 | 0 | 0 | 12 | 0 | 0 | 5 | 0 |
| Fibroblasts | 11 | 0 | 0 | 0 | 16 | 2 | 0 | 0 | 0 |
| B | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 9 |
| Myocytes | 10 | 0 | 0 | 0 | 12 | 1 | 0 | 2 | 0 |
| Macrophages | 27 | 0 | 0 | 0 | 29 | 0 | 0 | 22 | 20 |
| Endothelial | 17 | 0 | 0 | 1 | 22 | 4 | 0 | 12 | 11 |
| T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dendritic | 11 | 0 | 0 | 0 | 11 | 1 | 3 | 16 | 2 |
| Mast | 7 | 0 | 0 | 0 | 9 | 0 | 0 | 4 | 20 |

HNSCC-Quartile scoring strategy

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Malignant | Fibroblasts | B | myocytes | Macrophages | Endothelial | T | Dendritic | Mast |
| Malignant | 0.818826 | 0.704144 | 0.706308 | 0.75 | 0.735394 | 0.590832 | 0.447712 | 0.500295 | 0.382896 |
| Fibroblasts | 0.674799 | 0.634024 | 0.58191 | 0.559215 | 0.705394 | 0.799458 | 0.435007 | 0.368693 | 0.445886 |
| B | 0.027778 | 0 | 0.002852 | 0.008128 | 0.064431 | 0.005302 | 0.081793 | 0.11093 | 0.191068 |
| myocytes | 0.15766 | 0.03873 | 0.026273 | 0.119829 | 0.128977 | 0.133165 | 0 | 0.022727 | 0.001839 |
| Macrophages | 0.799667 | 0.371843 | 0.375817 | 0.355059 | 0.807531 | 0.290206 | 0.435302 | 0.951601 | 0.981367 |
| Endothelial | 0.60358 | 0.42295 | 0.389244 | 0.739345 | 0.663376 | 0.875348 | 0.377739 | 0.610206 | 0.630828 |
| T | 0.024286 | 0.066255 | 0.022702 | 0.045898 | 0.031838 | 0.055733 | 0.152328 | 0.063979 | 0.061431 |
| Dendritic | 0.26731 | 0.130521 | 0.108979 | 0.173187 | 0.256009 | 0.234102 | 0.645635 | 0.791451 | 0.236578 |
| Mast | 0.225857 | 0.088647 | 0.108088 | 0.064813 | 0.234308 | 0.053475 | 0.095923 | 0.180253 | 0.79095 |

HNSCC-Specific expression

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HNSCC | Fibroblasts | B cells | Myocytes | Macrophages | Endothelial | T cells | Dendritic | Mast |
| HNSCC | 86.59316 | 25.94294 | 39.37857 | 10.00742 | 111.3886 | 21.80778 | 12.79686 | 14.64641 | 12.33204 |
| Fibroblasts | 64.11916 | 22.79013 | 29.74342 | 8.438859 | 84.89531 | 23.58627 | 8.377362 | 11.49112 | 13.37557 |
| B | 14.47783 | 4.132921 | 7.622328 | 1.419552 | 20.27934 | 2.665788 | 2.531808 | 6.074911 | 6.434902 |
| Myocytes | 22.76332 | 7.202818 | 9.250506 | 5.535844 | 24.93117 | 5.62247 | 1.940321 | 5.572319 | 4.584733 |
| Macrophages | 28.80484 | 9.447731 | 15.61327 | 3.68221 | 41.24586 | 6.190918 | 5.963798 | 17.22694 | 17.12795 |
| Endothelial | 35.53666 | 12.73561 | 18.50485 | 3.399419 | 49.76168 | 13.15515 | 6.335673 | 13.37746 | 14.12267 |
| T | 21.10782 | 6.643922 | 10.50606 | 2.204287 | 30.11485 | 5.170713 | 4.034225 | 6.84441 | 7.915097 |
| Dendritic cells | 18.43378 | 5.498112 | 9.3355 | 2.65178 | 22.278 | 5.622752 | 3.66903 | 20.0249 | 7.613691 |
| Mast cells | 15.7042 | 4.576106 | 8.711306 | 1.731428 | 20.96217 | 2.8117 | 2.095876 | 7.613691 | 18.13808 |