

Gene Expression Report

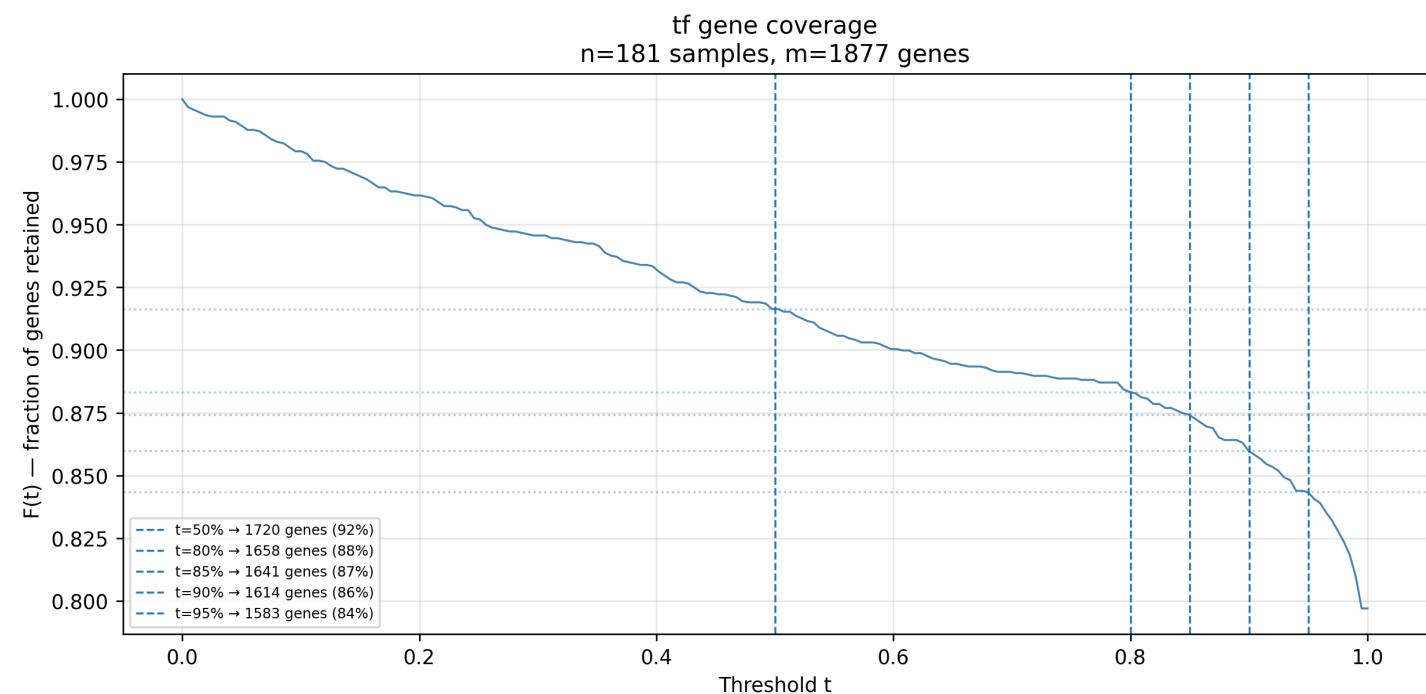
Source: Gene TPMs for Brain - Amygdala
Downloaded: 2025-12-24 01:52:47.085446
Generated: 2026-02-24 22:16

Basic Stats

Samples: 181 | Genes: 59033 | TF: 1873 | Targets: 55980

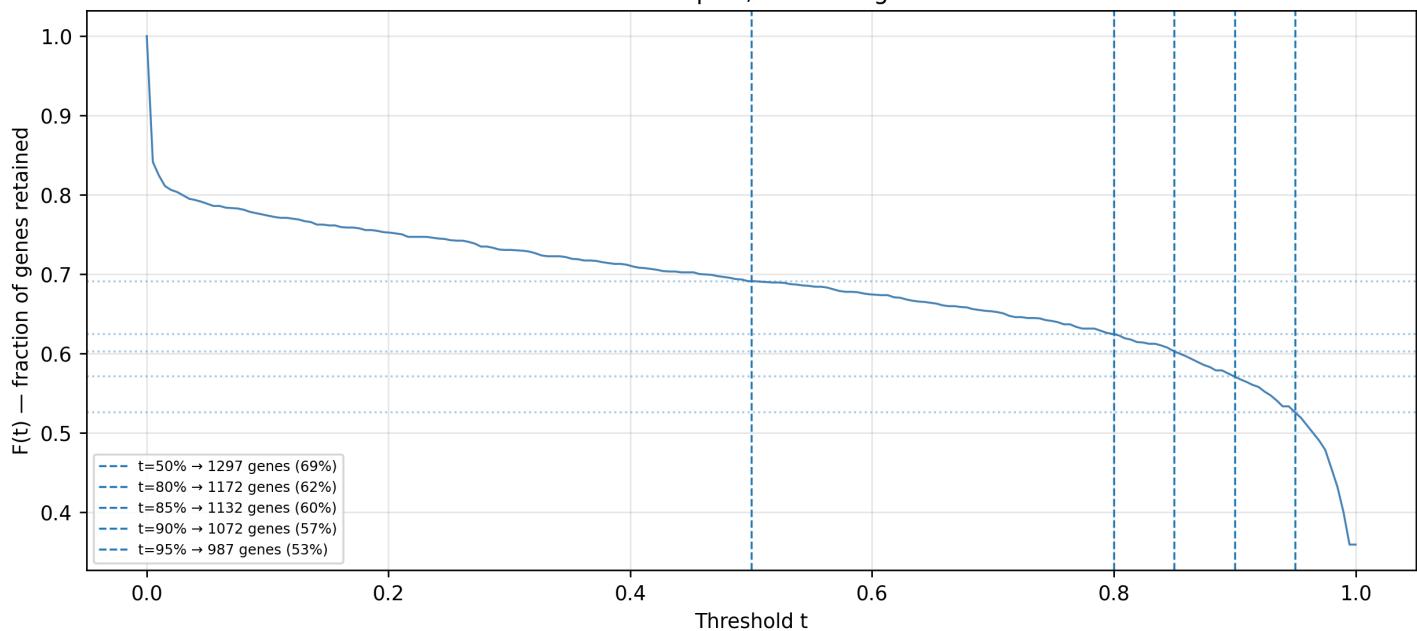
TF Stats

Sparsity

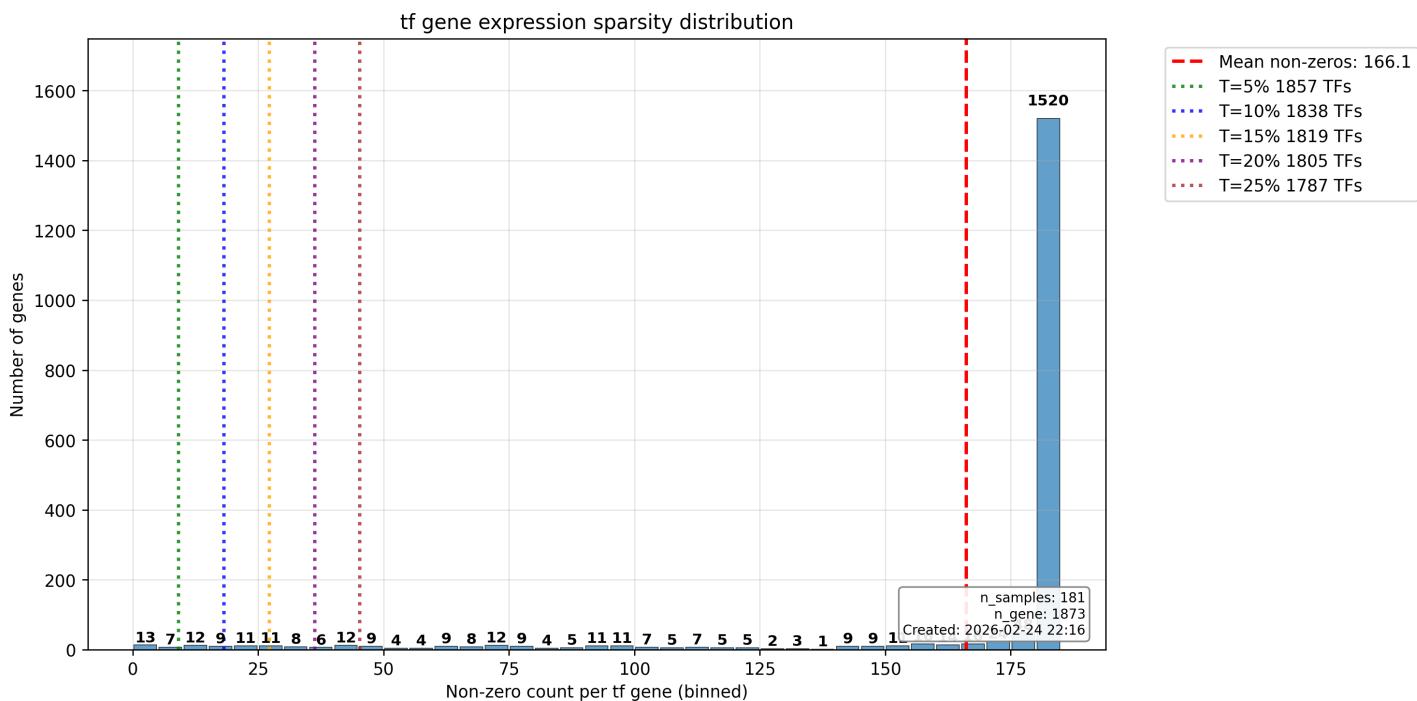


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

tf gene coverage
n=181 samples, m=1877 genes

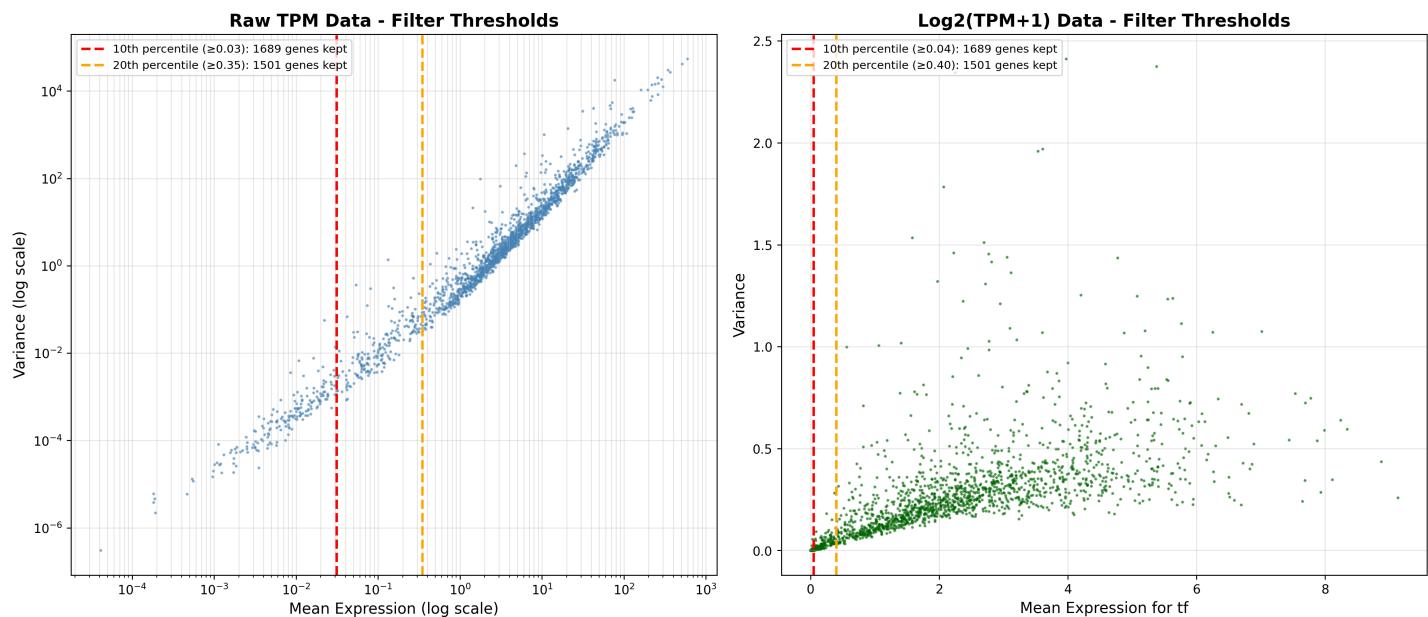


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



Distribution of non-zero values across TFs. X-axis shows sample count.

Mean Variance



Highly Expressed

| gene | mean | std | min | max |
|---------|------------|------------|----------|----------|
| RPL35 | 595.788624 | 234.067872 | 214.2730 | 1564.320 |
| YWHAE | 512.265618 | 205.638208 | 87.6959 | 1146.680 |
| ENO1 | 364.193437 | 165.247222 | 39.8468 | 919.743 |
| PRDX5 | 345.466503 | 174.516495 | 52.7380 | 936.955 |
| RPL6 | 297.146508 | 112.606803 | 56.9496 | 646.799 |
| UBB | 287.081082 | 136.437970 | 29.9267 | 729.857 |
| PKM | 263.046661 | 122.958549 | 43.8646 | 722.332 |
| RPS4X | 259.313218 | 91.254083 | 59.9827 | 550.686 |
| TPI1 | 256.611329 | 142.331291 | 36.9835 | 750.913 |
| SOD1 | 238.919507 | 120.396399 | 28.5577 | 549.465 |
| TSC2D4 | 221.287770 | 87.064245 | 33.3221 | 592.701 |
| PRNP | 217.183376 | 117.899459 | 28.3138 | 734.866 |
| OLIG1 | 211.539707 | 78.541660 | 49.8350 | 639.235 |
| JUND | 195.678029 | 103.352678 | 35.1521 | 593.816 |
| YWHAZ | 160.989519 | 103.440157 | 19.4826 | 490.766 |
| SRP9 | 131.063015 | 58.249966 | 14.8865 | 317.424 |
| SNRNP70 | 127.902816 | 63.438758 | 11.5572 | 411.457 |
| ATF4 | 127.132715 | 57.971353 | 25.8366 | 371.821 |
| DRAP1 | 123.226381 | 49.812405 | 26.5547 | 285.356 |
| TPPP | 119.958677 | 62.595898 | 19.8964 | 338.543 |

Lowly Expressed

| gene | mean | std | min | max |
|---------|----------|----------|-----|----------|
| HOXD11 | 0.001159 | 0.005272 | 0.0 | 0.041573 |
| TGIF2LY | 0.001126 | 0.009066 | 0.0 | 0.089992 |
| NKX2-6 | 0.001082 | 0.005594 | 0.0 | 0.051521 |
| MYF5 | 0.001003 | 0.005321 | 0.0 | 0.039038 |

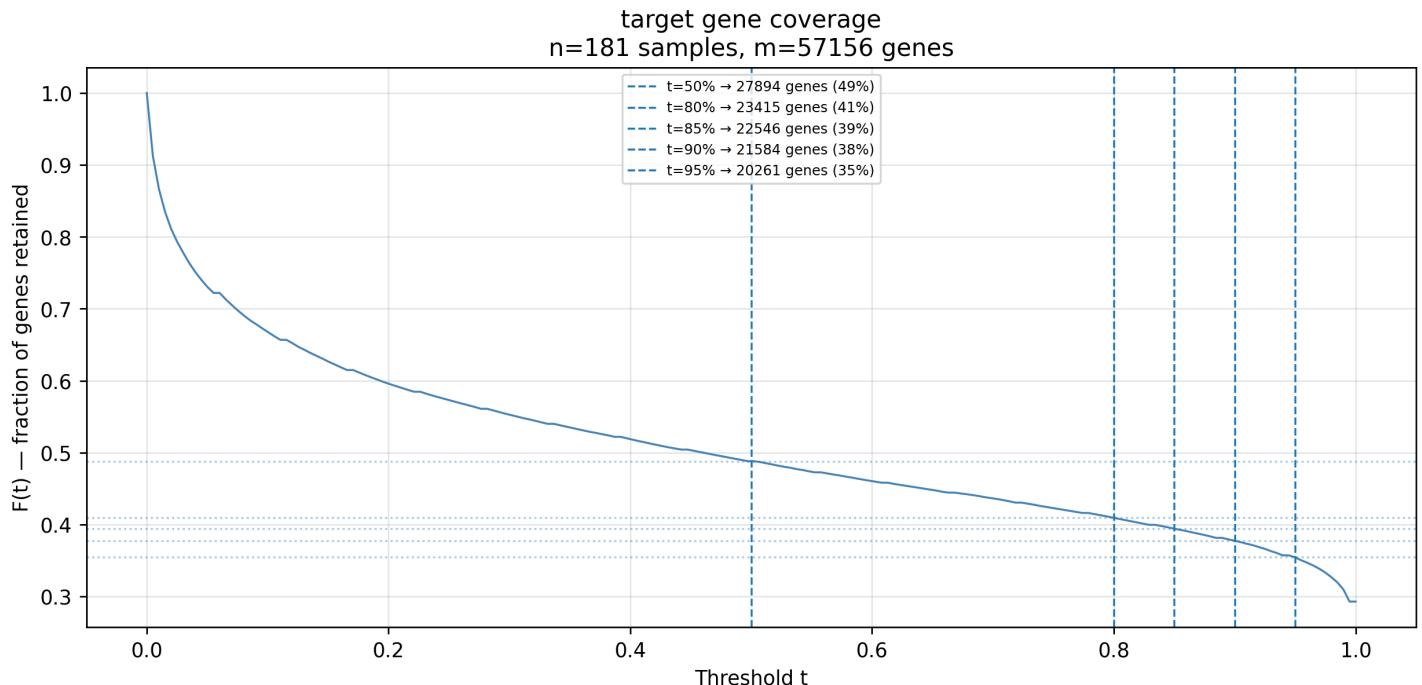
| | | | | |
|----------|----------|----------|-----|----------|
| SSX2 | 0.000975 | 0.004459 | 0.0 | 0.029284 |
| EVX2 | 0.000961 | 0.003862 | 0.0 | 0.026270 |
| ZNF705D | 0.000553 | 0.003436 | 0.0 | 0.038973 |
| MYCLP1 | 0.000540 | 0.003633 | 0.0 | 0.027447 |
| HOXD12 | 0.000464 | 0.002427 | 0.0 | 0.019158 |
| HSFY2 | 0.000190 | 0.001481 | 0.0 | 0.013262 |
| IL21 | 0.000188 | 0.002163 | 0.0 | 0.028605 |
| ZNF705CP | 0.000183 | 0.002460 | 0.0 | 0.033091 |
| ZNF355P | 0.000182 | 0.001961 | 0.0 | 0.025250 |
| HSFY1 | 0.000041 | 0.000551 | 0.0 | 0.007412 |
| ZBED1 | 0.000000 | 0.000000 | 0.0 | 0.000000 |
| SHOX | 0.000000 | 0.000000 | 0.0 | 0.000000 |
| GTPBP6 | 0.000000 | 0.000000 | 0.0 | 0.000000 |
| DUX4 | 0.000000 | 0.000000 | 0.0 | 0.000000 |
| PPP2R3B | 0.000000 | 0.000000 | 0.0 | 0.000000 |
| TGIF2LX | 0.000000 | 0.000000 | 0.0 | 0.000000 |

Duplicates

| | | | | | | | |
|---------|--------|------|-------|--|--|--|--|
| PPP2R3B | GTPBP6 | SHOX | ZBED1 | | | | |
|---------|--------|------|-------|--|--|--|--|

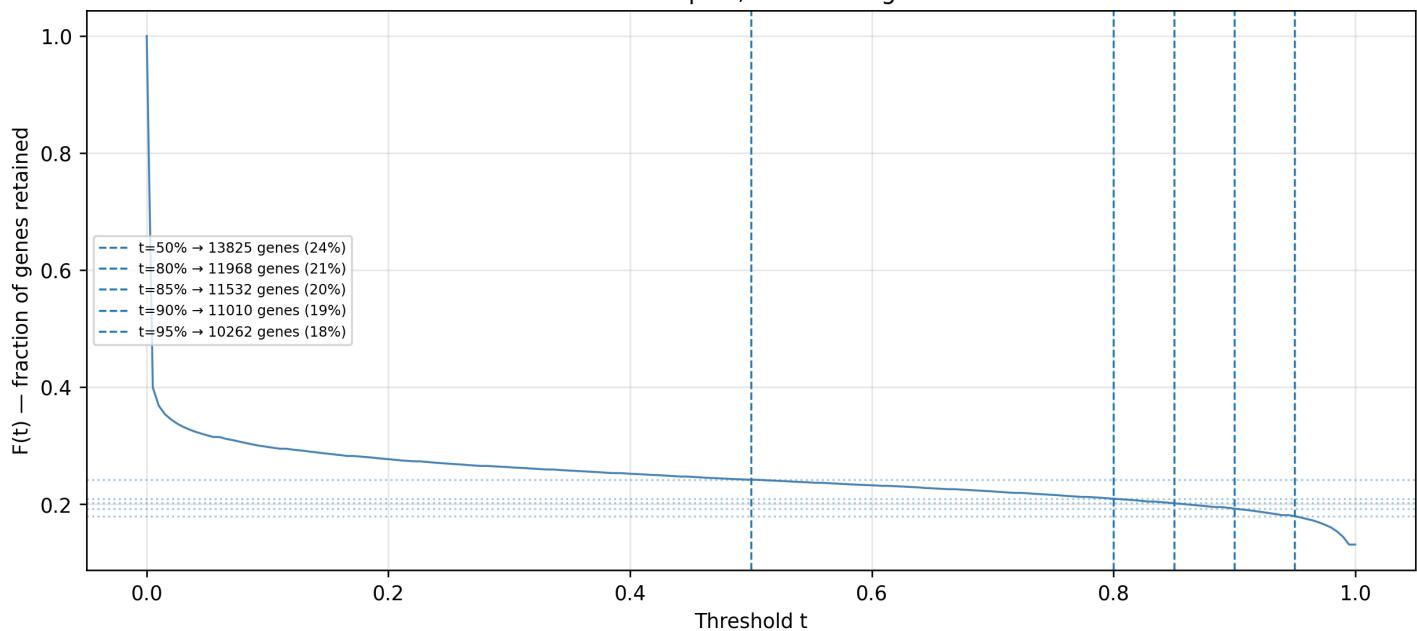
Target Gene Stats

Sparsity

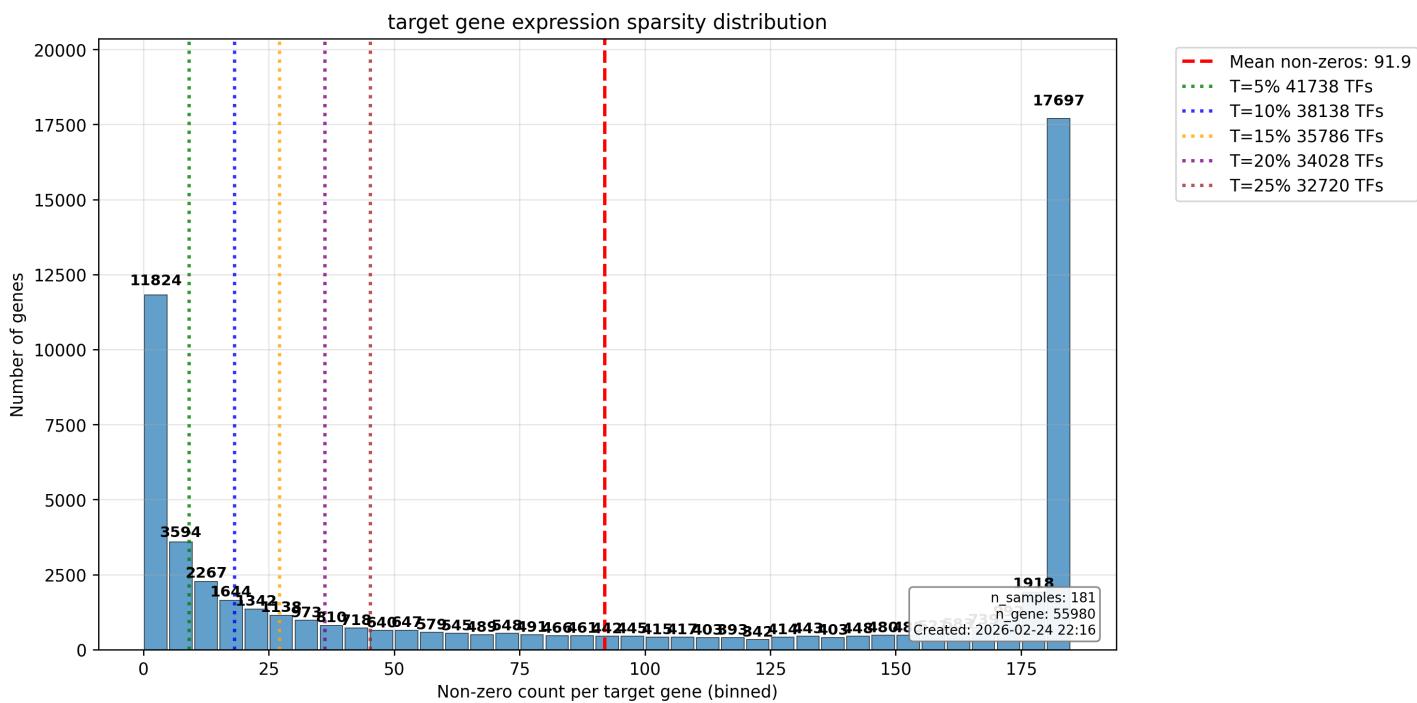


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

target gene coverage
n=181 samples, m=57156 genes

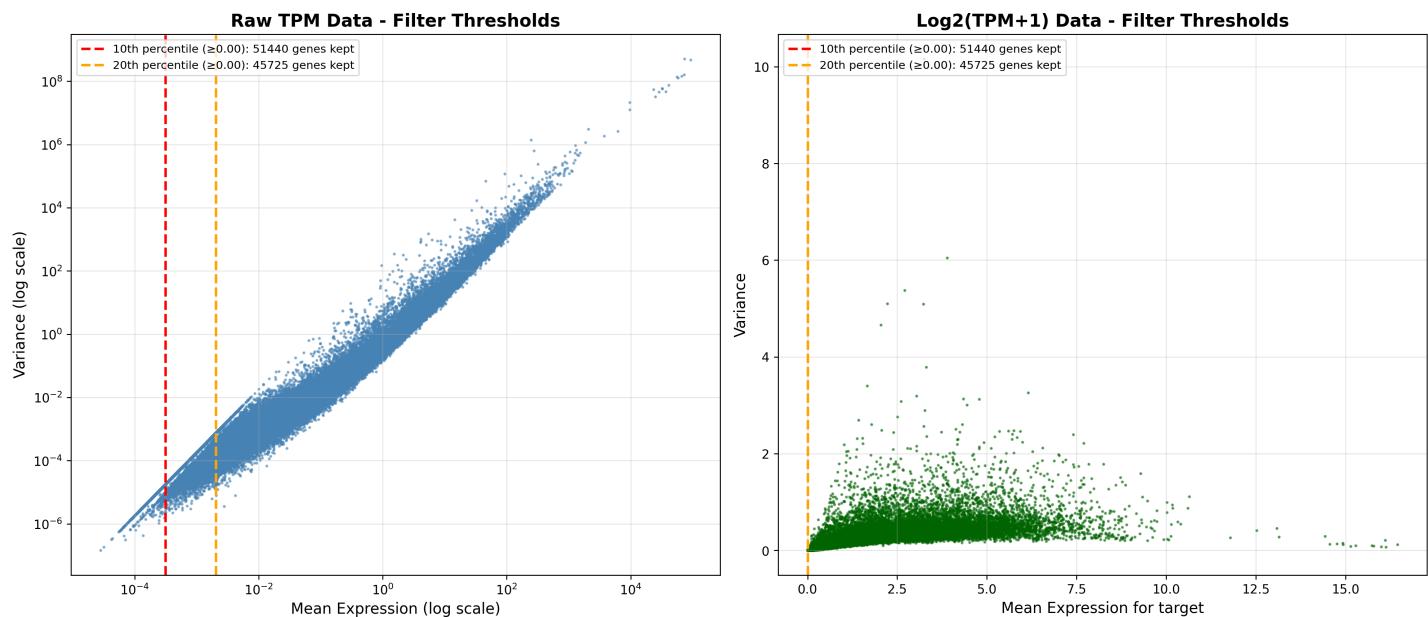


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



Distribution of non-zero values across Target genes. X-axis shows sample count.

Mean Variance



Highly Expressed

| gene | mean | std | min | max |
|----------|--------------|--------------|------------|-----------|
| MT-RNR2 | 92394.540331 | 21702.421677 | 37790.0000 | 147877.00 |
| MT-CO1 | 74000.284530 | 22708.488745 | 26541.7000 | 135785.00 |
| MT-CO3 | 72830.063536 | 12773.934575 | 38620.1000 | 109899.00 |
| MT-CO2 | 66654.892265 | 12144.940004 | 31229.6000 | 103819.00 |
| MT-ATP6 | 57945.089503 | 11269.904244 | 24871.1000 | 82679.20 |
| MT-ND4 | 55821.074033 | 11726.944280 | 27356.7000 | 85305.00 |
| MT-ND1 | 40933.761878 | 8696.178680 | 19223.3000 | 64552.80 |
| MT-ND2 | 37000.686740 | 6892.850650 | 16746.2000 | 56246.70 |
| MT-RNR1 | 32256.491160 | 7645.591306 | 15961.7000 | 57284.00 |
| MT-CYB | 32082.969061 | 7712.470350 | 11695.5000 | 53264.90 |
| MT-ATP8 | 28678.723204 | 6784.431987 | 11554.9000 | 45904.00 |
| MT-ND3 | 24859.015470 | 5711.480980 | 9877.8000 | 45818.10 |
| MT-ND4L | 23491.203867 | 7452.618378 | 5008.1400 | 41608.90 |
| MT-ND5 | 9670.369945 | 3542.712280 | 3561.7600 | 21964.70 |
| MT-ND6 | 9662.313923 | 4623.769775 | 2367.9400 | 22831.10 |
| MTATP6P1 | 6202.899742 | 1622.154743 | 40.3533 | 16011.70 |
| FTL | 3755.791602 | 1372.915363 | 1060.9900 | 9121.52 |
| GFAP | 2081.883475 | 1749.665455 | 126.5810 | 13193.40 |
| TMSB10 | 1874.203160 | 1083.433134 | 342.9350 | 5586.27 |
| MT3 | 1519.567530 | 732.629481 | 185.6150 | 4254.77 |

Lowly Expressed

| gene | mean | std | min | max |
|-----------------|------|-----|-----|-----|
| ENSG00000278643 | 0.0 | 0.0 | 0.0 | 0.0 |
| RPS3AP1 | 0.0 | 0.0 | 0.0 | 0.0 |
| RNU2-66P | 0.0 | 0.0 | 0.0 | 0.0 |
| RNU7-185P | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | |
|-----------------|-----|-----|-----|-----|
| ENSG00000201316 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENSG00000244337 | 0.0 | 0.0 | 0.0 | 0.0 |
| SNORD36 | 0.0 | 0.0 | 0.0 | 0.0 |
| RNU6-1177P | 0.0 | 0.0 | 0.0 | 0.0 |
| MIR3689D1 | 0.0 | 0.0 | 0.0 | 0.0 |
| OR51C4P | 0.0 | 0.0 | 0.0 | 0.0 |
| TTTY4B | 0.0 | 0.0 | 0.0 | 0.0 |
| TEX101P1 | 0.0 | 0.0 | 0.0 | 0.0 |
| MIR3667 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENSG00000270691 | 0.0 | 0.0 | 0.0 | 0.0 |
| ARAFP2 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENSG00000238162 | 0.0 | 0.0 | 0.0 | 0.0 |
| SPDYE9 | 0.0 | 0.0 | 0.0 | 0.0 |
| MIR5093 | 0.0 | 0.0 | 0.0 | 0.0 |
| IGHD5-5 | 0.0 | 0.0 | 0.0 | 0.0 |
| RNU6-617P | 0.0 | 0.0 | 0.0 | 0.0 |

Duplicates

Y_RNA, Metazoa_SRP, U3, U6, SNORA70, U8, U2, 5S_rRNA, U4, SNORA75
 SNORA63, SNORA72, 7SK, SNORA62, 5_8S_rRNA, U7, SNORA74, SNORD39, SNORA73, SNORD81
 SNORD116, U1, SNORD63, ELOC24, RPL14P5, SLC25A6, CSF2RA, SNORD115, LINC00102, ASMTL
 IL3RA, LINC00484, FAM153B, WASH6P, AMD1P2, ALG1L9P, MIR3690, CD99, CD99P1, LINC01115
 ENSG00000281849, SPATA13, DDX11L16, DNAJC9-AS1, CYB561D2, RAET1E-AS1, ELFN2, GOLGA8M, TMSB15B, SNORD42
 ENSG00000289007, LINC02256, SNORA71, TBCE, ENSG00000280767, ENSG00000234622, SNORD18, DHRSX, NPEPPSP1, ENSG00000237531
 ARMCX5-GPRASP2, ENSG00000228572, LINC00106, WASIR1, TRPC6P, AKAP17A, CRLF2, SNORD33, SIGLEC5, FABP5P13
 LINC01238, VAMP7, ENSG00000223511, KRT18P53, DPH3P2, CLCA4-AS1, IL9R, LINC00486, LINC01214, PLCXD1
 ENSG00000289620, ASMT, HERC2P7, RG55, Vault, LINC00685, MIR6089, LINC01605, DHRSX-IT1, ASMTL-AS1
 P2RY8, RNA5SP498