

# Gene Expression Report

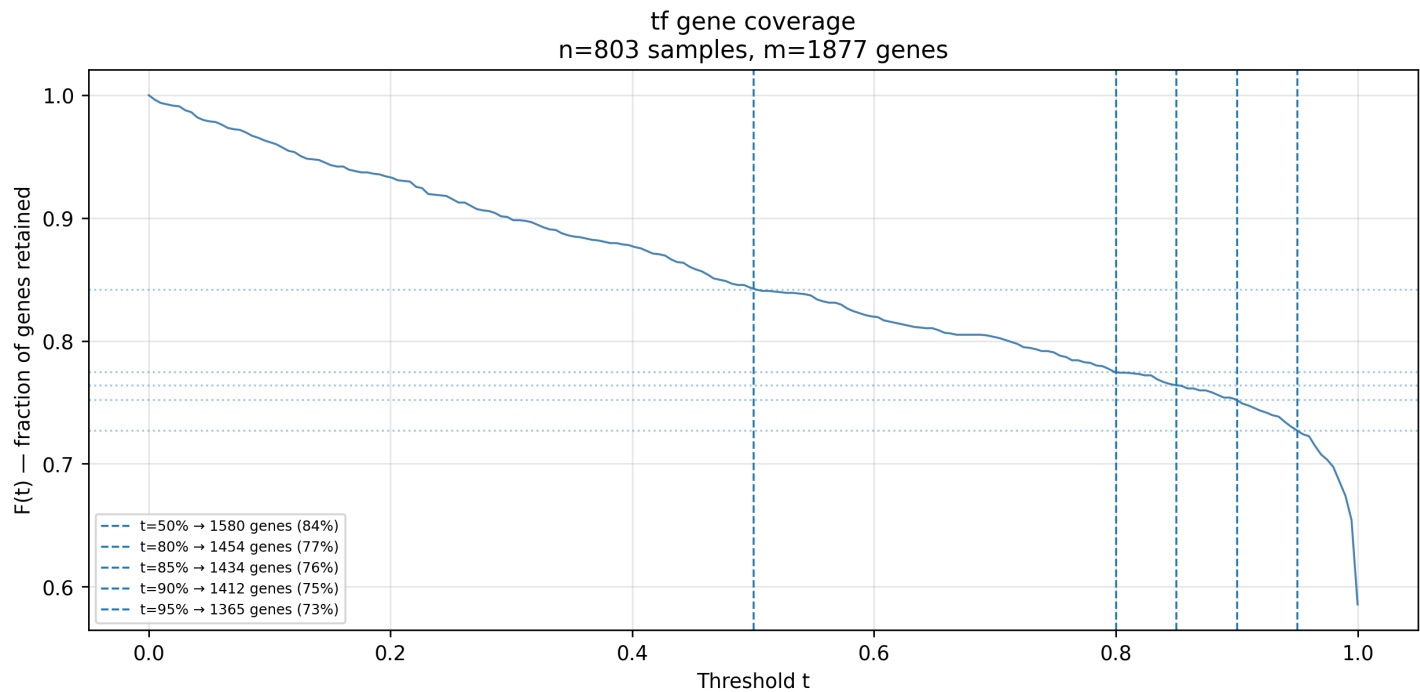
Source: Gene TPMs for Whole Blood  
Downloaded: 2025-12-24 01:52:24.817057  
Generated: 2026-02-24 22:16

## Basic Stats

Samples: 803 | Genes: 59033 | TF: 1873 | Targets: 55980

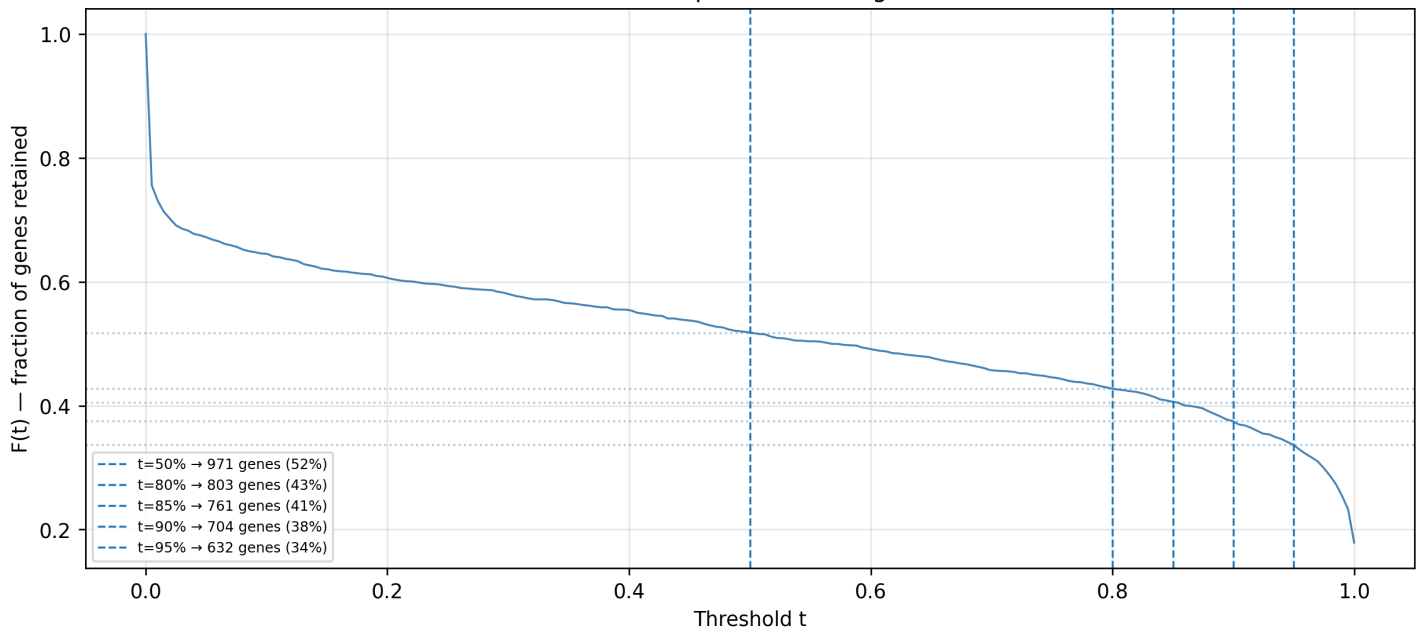
## TF Stats

### Sparsity



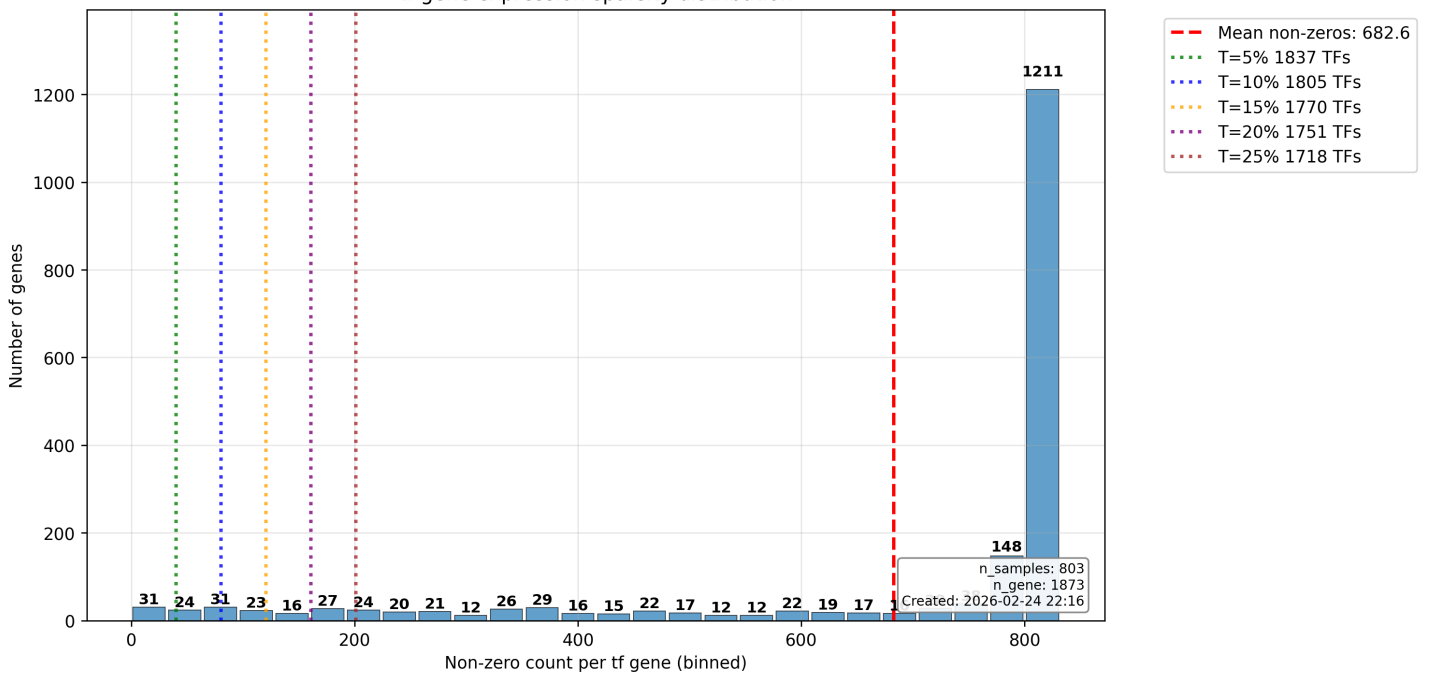
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

tf gene coverage  
n=803 samples, m=1877 genes



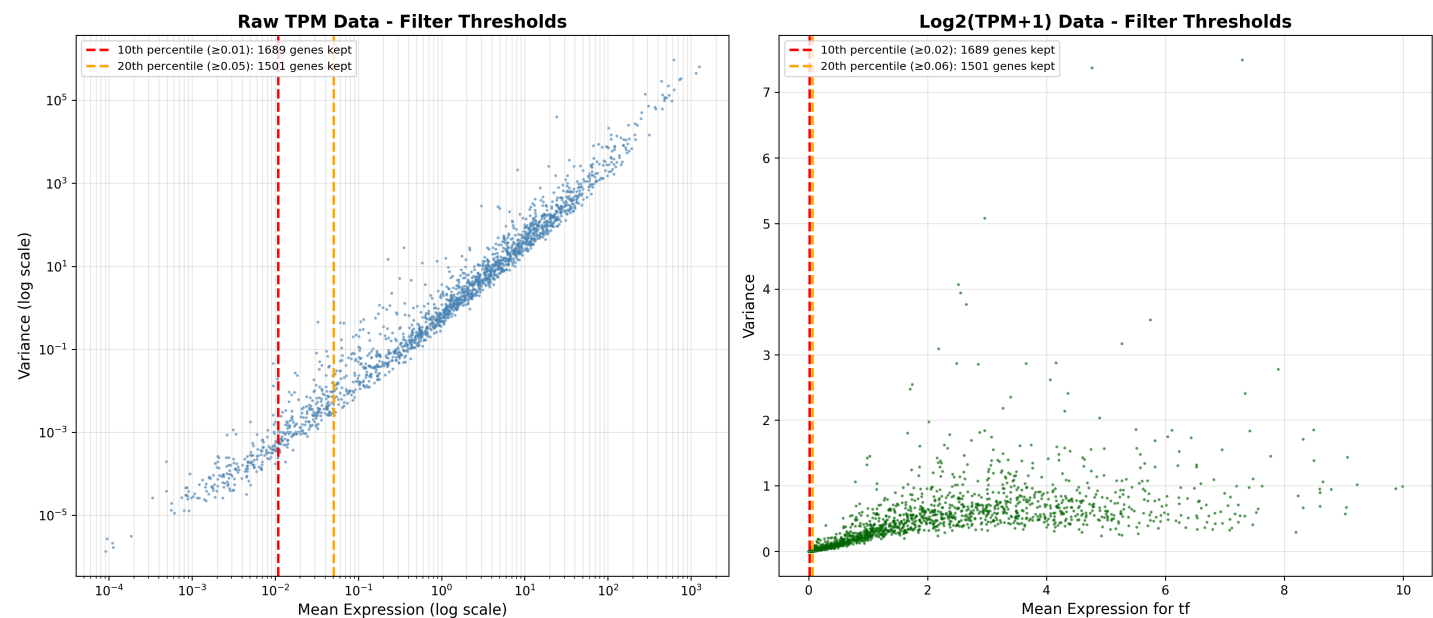
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1

tf gene expression sparsity distribution



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

## Mean Variance



## Highly Expressed

gene	mean	std	min	max
TAGLN2	1254.956057	807.198174	49.20630	5060.40
SPI1	1143.030916	670.833952	62.55080	3695.50
JUNB	755.509197	576.406935	24.97730	4970.59
SMAP2	729.457410	559.289364	42.60540	2770.57
UBB	622.235692	425.471510	104.15900	5949.07
LTF	617.737656	973.265153	1.58496	9083.87
ENO1	591.495466	310.417592	38.21480	2610.07
CEBPB	543.049730	365.888381	32.78510	3067.17
BCL6	534.946981	474.233551	26.76210	3984.28
HCLS1	505.487355	341.807579	25.35470	1930.47
NFE2	483.638513	344.588371	49.18420	1767.34
MXD1	480.176755	334.691175	40.79840	2204.20
RPS4X	476.104404	313.918763	59.80390	2045.22
CEBPD	455.919491	369.625721	12.75250	2126.65
PKM	449.845678	250.345159	24.33650	1683.63
FOS	440.840296	538.704000	10.22610	4994.19
TPI1	375.335386	248.191409	35.96950	2328.91
RPL35	367.800793	263.429468	40.83920	2033.60
PRDX5	313.007983	121.851925	67.93010	1011.82
JUND	306.705171	270.575979	19.48760	1701.91

## Lowly Expressed

gene	mean	std	min	max
ZNF735	0.000846	0.005530	0.0	0.062429
SOX14	0.000839	0.005552	0.0	0.075523
DUXA	0.000830	0.006757	0.0	0.094044
ZNF479	0.000802	0.003604	0.0	0.033945

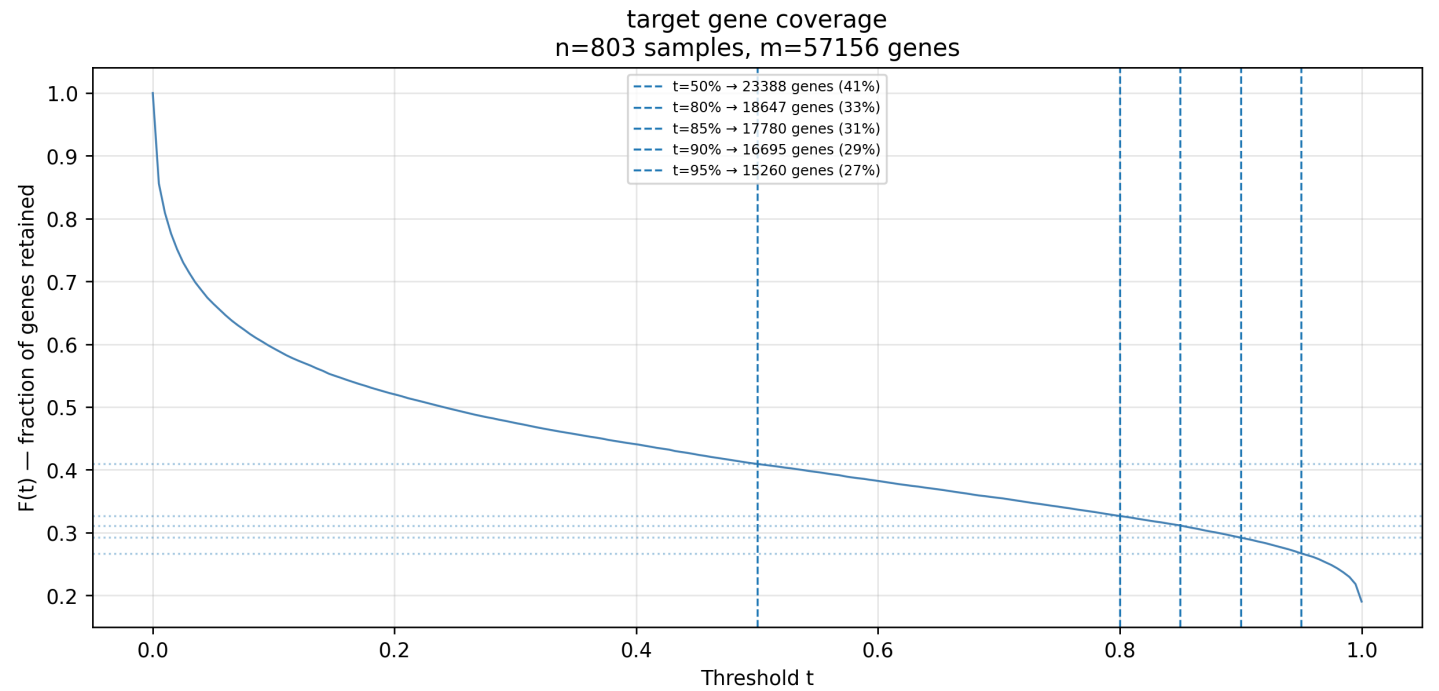
PRDM9	0.000747	0.005153	0.0	0.099762
KLF18	0.000610	0.003339	0.0	0.047699
SSX2	0.000565	0.004408	0.0	0.061414
POU4F2	0.000558	0.003641	0.0	0.041337
FERD3L	0.000493	0.013957	0.0	0.395506
TGIF2LY	0.000492	0.006146	0.0	0.100527
ZNF705CP	0.000333	0.005111	0.0	0.098036
ZNF705D	0.000185	0.001773	0.0	0.026470
HSFY1	0.000112	0.001301	0.0	0.017467
ZNF355P	0.000110	0.001459	0.0	0.027100
DUX4	0.000095	0.001654	0.0	0.038346
HSFY2	0.000091	0.001156	0.0	0.016132
GTPBP6	0.000000	0.000000	0.0	0.000000
SHOX	0.000000	0.000000	0.0	0.000000
PPP2R3B	0.000000	0.000000	0.0	0.000000
ZBED1	0.000000	0.000000	0.0	0.000000

Duplicates

PPP2R3B	GTPBP6	SHOX	ZBED1				
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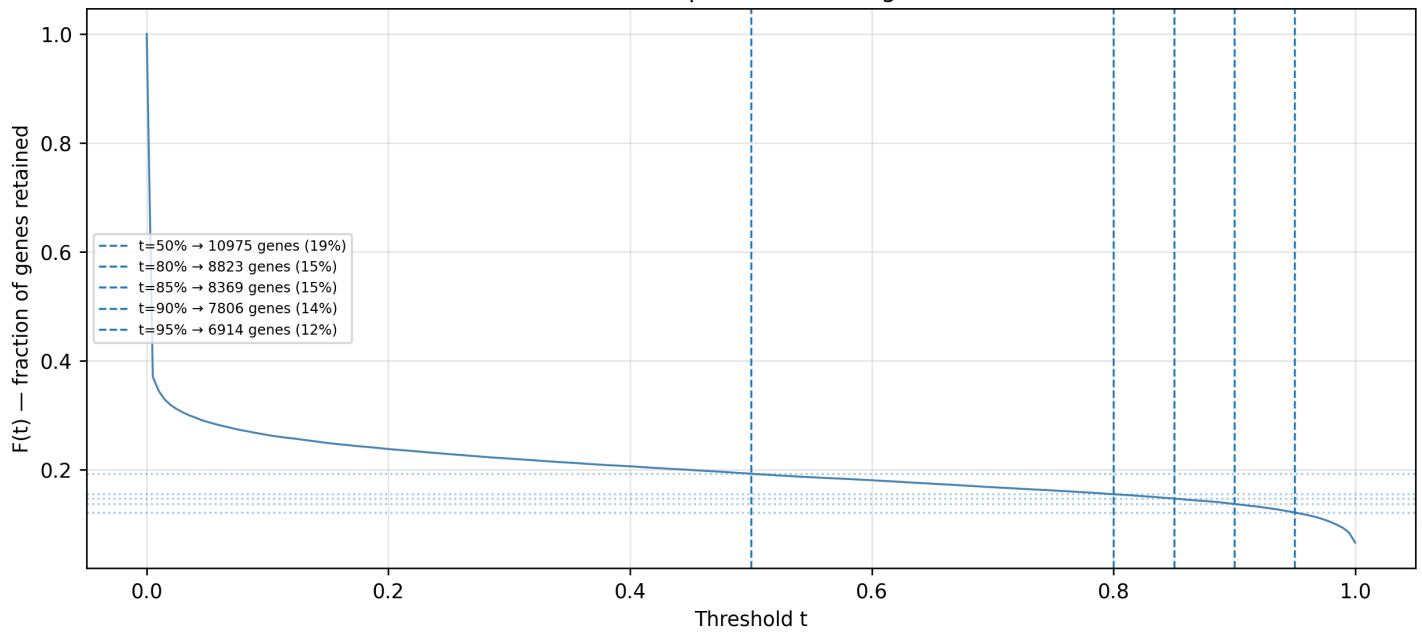
Target Gene Stats

Sparsity



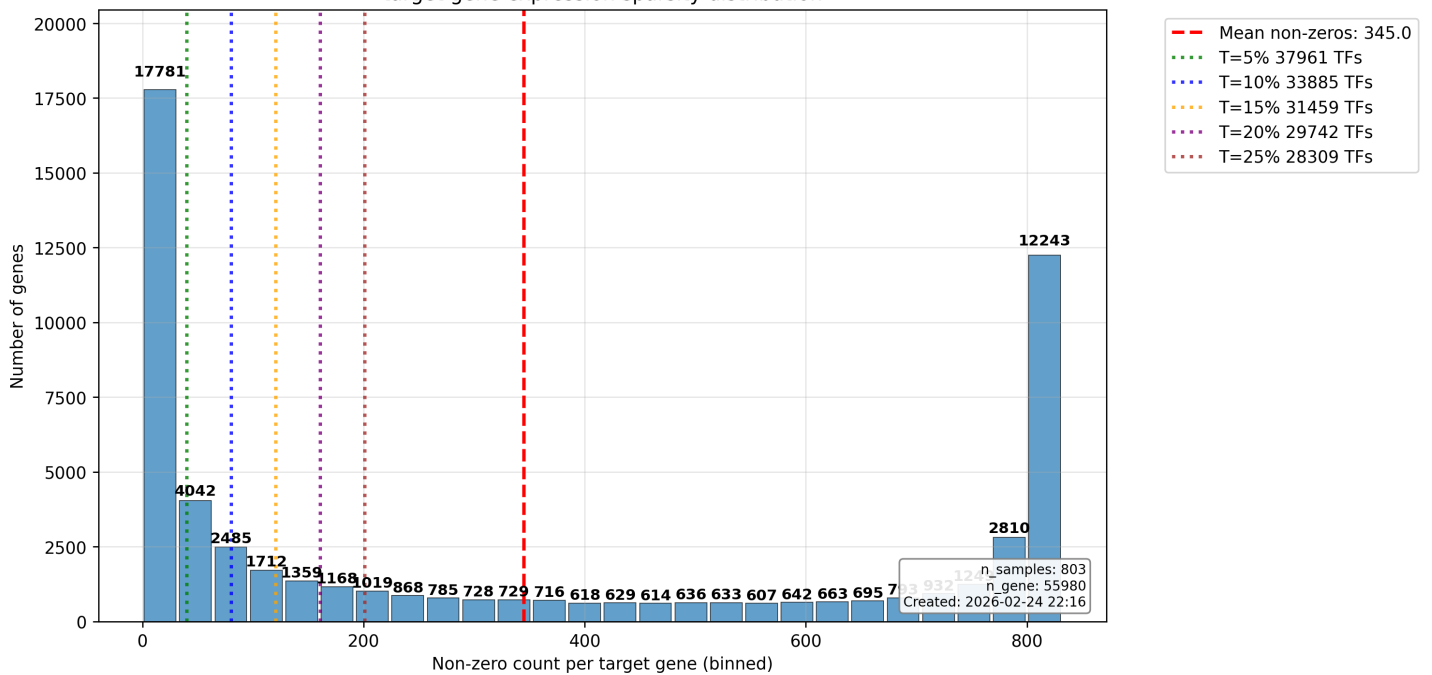
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

target gene coverage  
n=803 samples, m=57156 genes



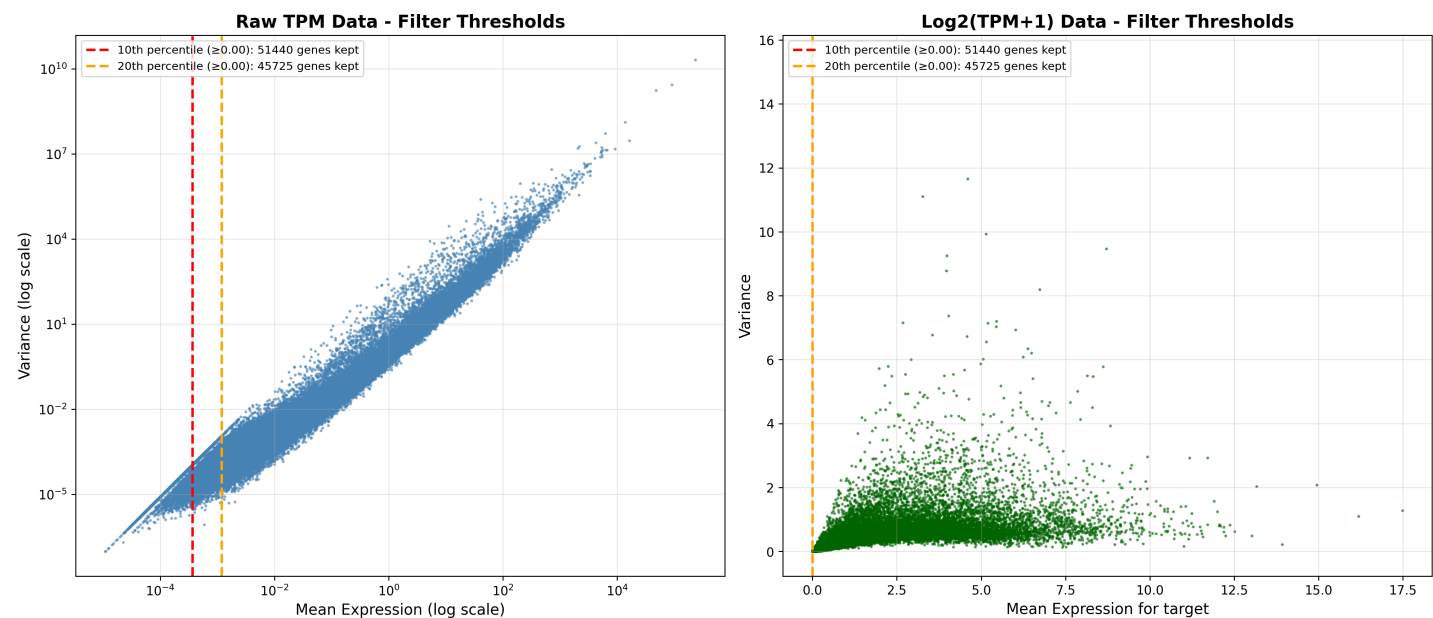
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1

target gene expression sparsity distribution



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

## Mean Variance



## Highly Expressed

gene	mean	std	min	max
HBB	234903.745068	144755.092046	2720.3100	724375.0
HBA2	91368.120897	52496.920053	1014.5700	329702.0
S100A9	48106.233798	41711.762943	1826.2700	213724.0
FTL	16292.462951	5468.724944	4439.2100	50726.2
HBA1	13683.030384	11570.907243	203.8080	66497.2
HLA-B	9209.872868	3859.701899	638.0230	24117.3
MT-CO2	6706.230347	3703.130842	556.2950	41535.8
HLA-C	6334.456535	3710.504476	416.9520	25499.1
S100A8	6182.319301	7336.768654	75.2479	55191.4
MT-ATP6	5607.134133	3710.937679	468.8310	46196.3
MT-RNR2	5452.217633	2801.487530	609.8390	26539.5
MT-CO3	5401.123183	3068.624559	504.4800	34192.1
S100A11	5335.467144	4108.825733	212.2180	22273.5
IFITM2	5329.051386	3621.461998	285.0840	21067.2
MT-ND4	5246.508298	3466.424484	394.8600	42051.3
MT-CO1	5187.500481	3353.455837	316.8410	21365.3
B2M	5044.162786	2821.281464	478.2470	17659.5
S100A12	4276.607702	4983.344618	39.8204	36344.3
ACTB	4053.100956	2649.485089	263.5480	33995.4
MT-ND1	3407.473836	2123.463613	136.9620	23752.3

## Lowly Expressed

gene	mean	std	min	max
ENSG00000274730	0.0	0.0	0.0	0.0
ENSG00000206853	0.0	0.0	0.0	0.0
MIR2909	0.0	0.0	0.0	0.0
RNU6-1023P	0.0	0.0	0.0	0.0

ENSG00000253410	0.0	0.0	0.0	0.0
ENSG00000236966	0.0	0.0	0.0	0.0
ENSG00000226324	0.0	0.0	0.0	0.0
Y_RNA	0.0	0.0	0.0	0.0
Y_RNA	0.0	0.0	0.0	0.0
ENSG00000232299	0.0	0.0	0.0	0.0
RNU7-136P	0.0	0.0	0.0	0.0
MIR323B	0.0	0.0	0.0	0.0
ENSG00000254070	0.0	0.0	0.0	0.0
REXO1L12P	0.0	0.0	0.0	0.0
RNY1P3	0.0	0.0	0.0	0.0
RNF138P2	0.0	0.0	0.0	0.0
ZBTB20-AS2	0.0	0.0	0.0	0.0
ENSG00000230968	0.0	0.0	0.0	0.0
ENSG00000252049	0.0	0.0	0.0	0.0
ENSG00000250618	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, ELOCP24, 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, RGS5, Vault, LINC00685, MIR6089, LINC01605, DHRSX-IT1, ASMTL-AS1  
P2RY8, RNA5SP498