

# Gene Expression Report

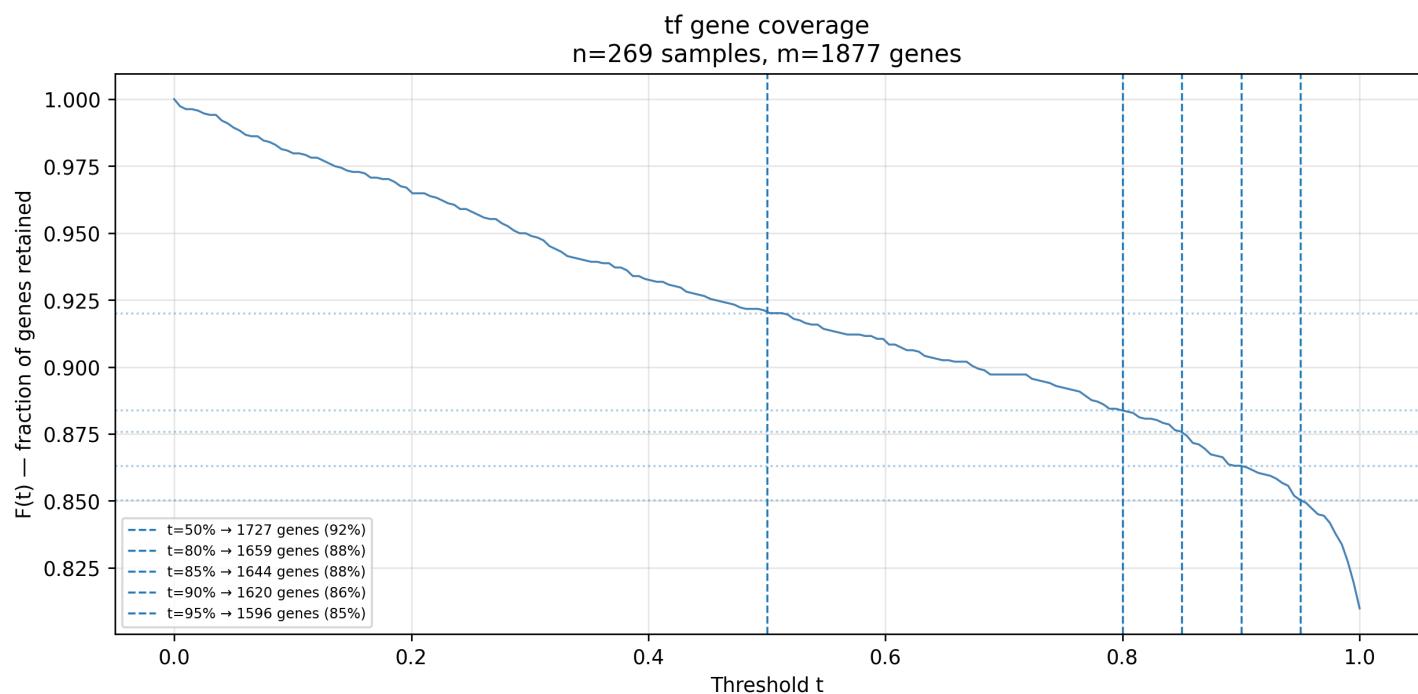
Source: Gene TPMs for Brain - Frontal Cortex (BA9)  
Downloaded: 2025-12-24 01:52:32.897823  
Generated: 2026-02-24 22:16

## Basic Stats

Samples: 269 | Genes: 59033 | TF: 1873 | Targets: 55980

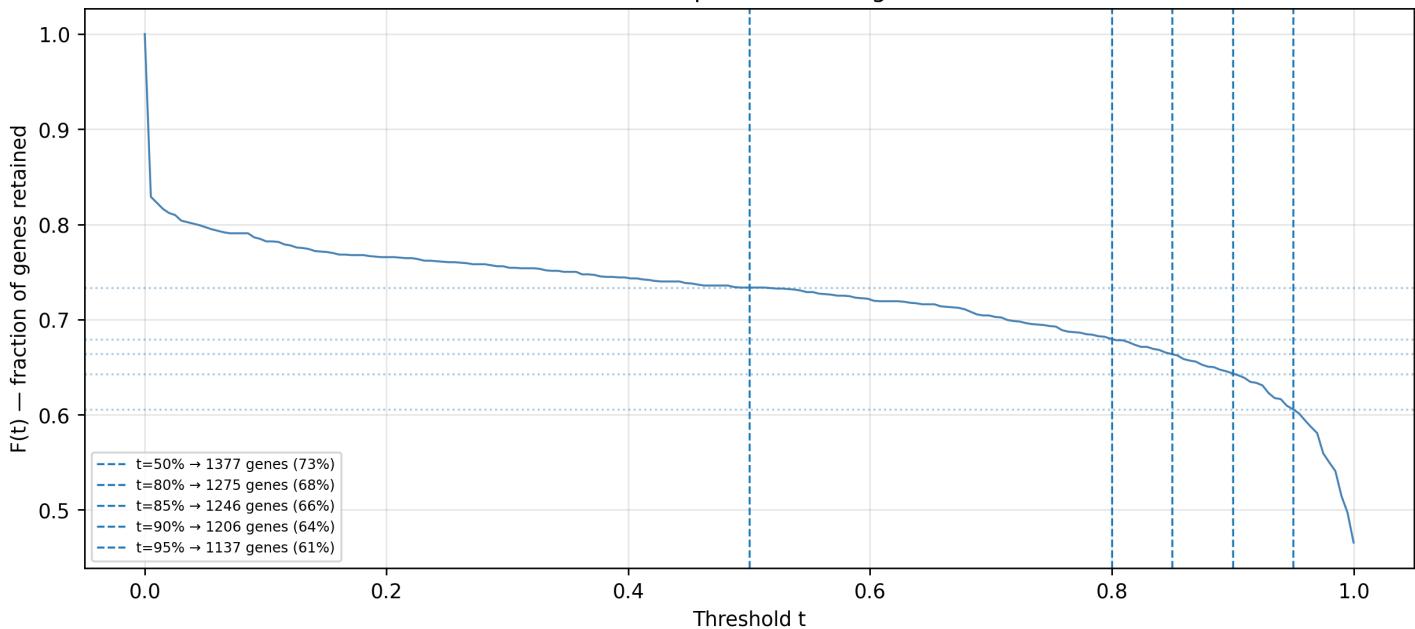
## TF Stats

### Sparsity

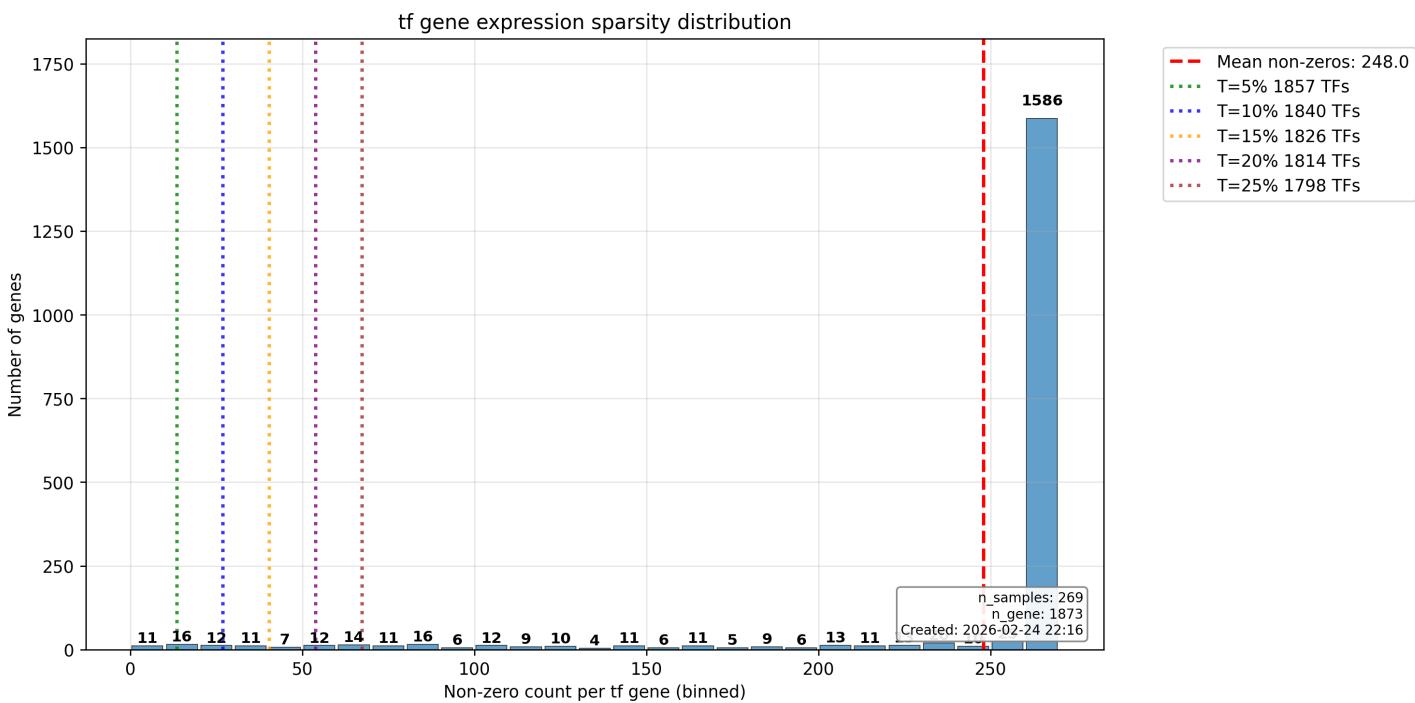


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

tf gene coverage  
n=269 samples, m=1877 genes

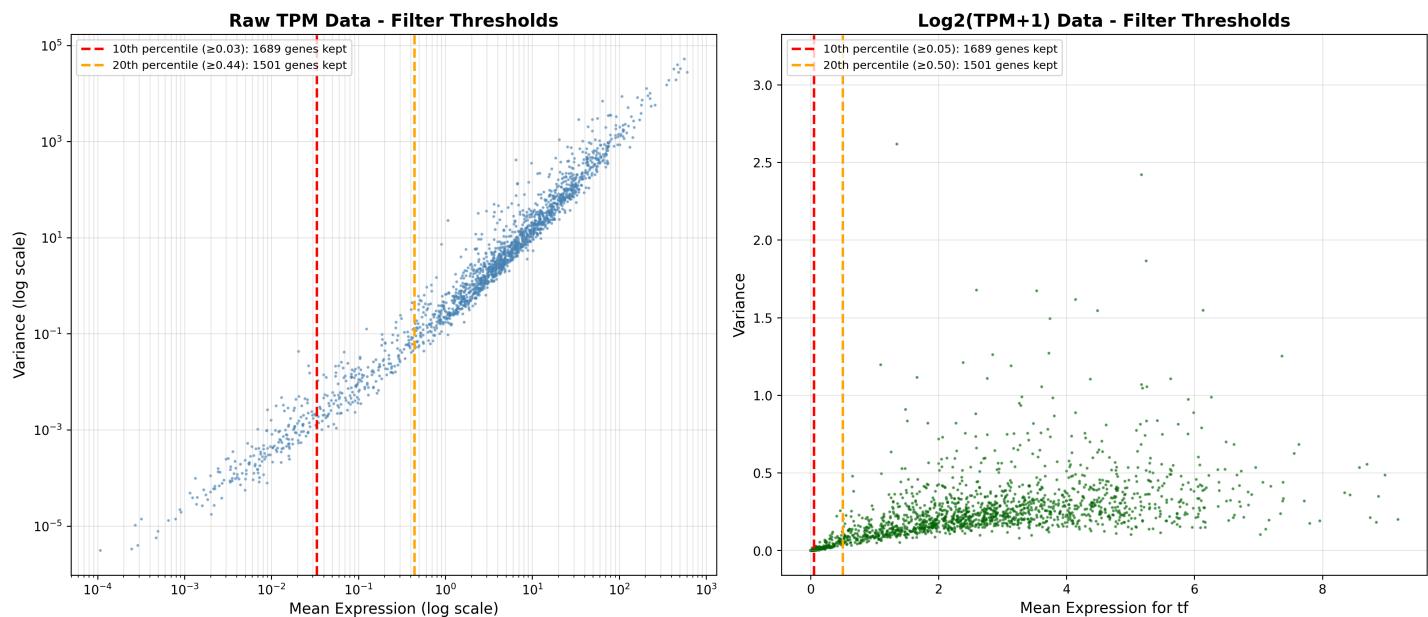


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



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

## Mean Variance



## Highly Expressed

gene	mean	std	min	max
YWHAE	604.334059	167.125255	201.4980	1225.560
PKM	556.185494	229.673185	83.5640	1315.050
PRDX5	504.774717	181.591997	110.7880	1347.380
RPL35	480.671777	166.921693	209.9180	1317.170
TPI1	464.094121	200.401439	69.2528	1197.540
ENO1	449.793684	138.639197	109.9270	1089.320
PRNP	424.524215	180.044097	50.8934	979.137
UBB	370.860812	137.771276	75.4024	1102.800
SOD1	350.968366	123.201185	66.6537	702.311
RPL6	258.660685	76.120457	82.7564	549.274
RPS4X	231.501303	73.975010	90.4325	645.792
YWHAZ	225.807831	101.343292	23.9876	511.894
JUND	224.902110	88.742804	52.7475	608.598
TPPP	213.000040	95.425269	27.7198	547.433
GOT1	205.826824	113.504745	10.4750	506.857
SNRNP70	183.671151	85.659132	30.0502	778.073
ATF4	180.204066	76.114894	41.1269	708.317
NPDC1	177.304076	62.222470	38.7025	369.029
DRAP1	170.241226	53.222788	49.4328	469.250
TSC22D4	161.732325	90.731370	33.7214	868.849

## Lowly Expressed

gene	mean	std	min	max
ZFP42	0.001392	0.006266	0.0	0.052874
HOXD12	0.001377	0.005317	0.0	0.036362
ZNF705CP	0.001327	0.009932	0.0	0.103540
IL21	0.001230	0.006226	0.0	0.059658

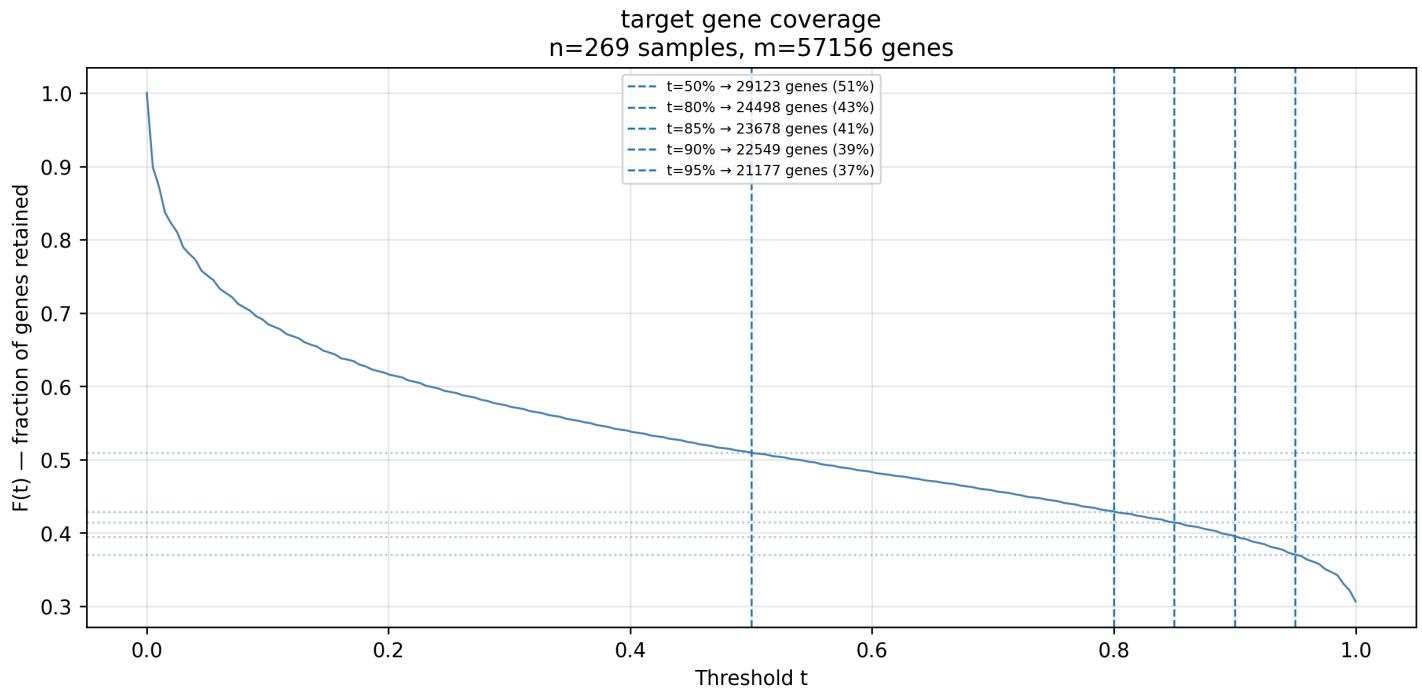
MYCLP1	0.001158	0.007004	0.0	0.060111
SOX14	0.000910	0.004393	0.0	0.034570
SSX2	0.000886	0.004678	0.0	0.039802
KLF18	0.000789	0.003732	0.0	0.031535
OLIG3	0.000652	0.003617	0.0	0.034130
ZNF705D	0.000493	0.002798	0.0	0.024594
HSFY2	0.000469	0.002379	0.0	0.017673
TGIF2LY	0.000319	0.003734	0.0	0.049167
HSFY1	0.000290	0.001985	0.0	0.017517
DUX4	0.000272	0.003236	0.0	0.045315
ZNF355P	0.000245	0.001834	0.0	0.019107
TGIF2LX	0.000107	0.001759	0.0	0.028854
PPP2R3B	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
ZBED1	0.000000	0.000000	0.0	0.000000

## Duplicates

PPP2R3B	GTPBP6	SHOX	ZBED1				
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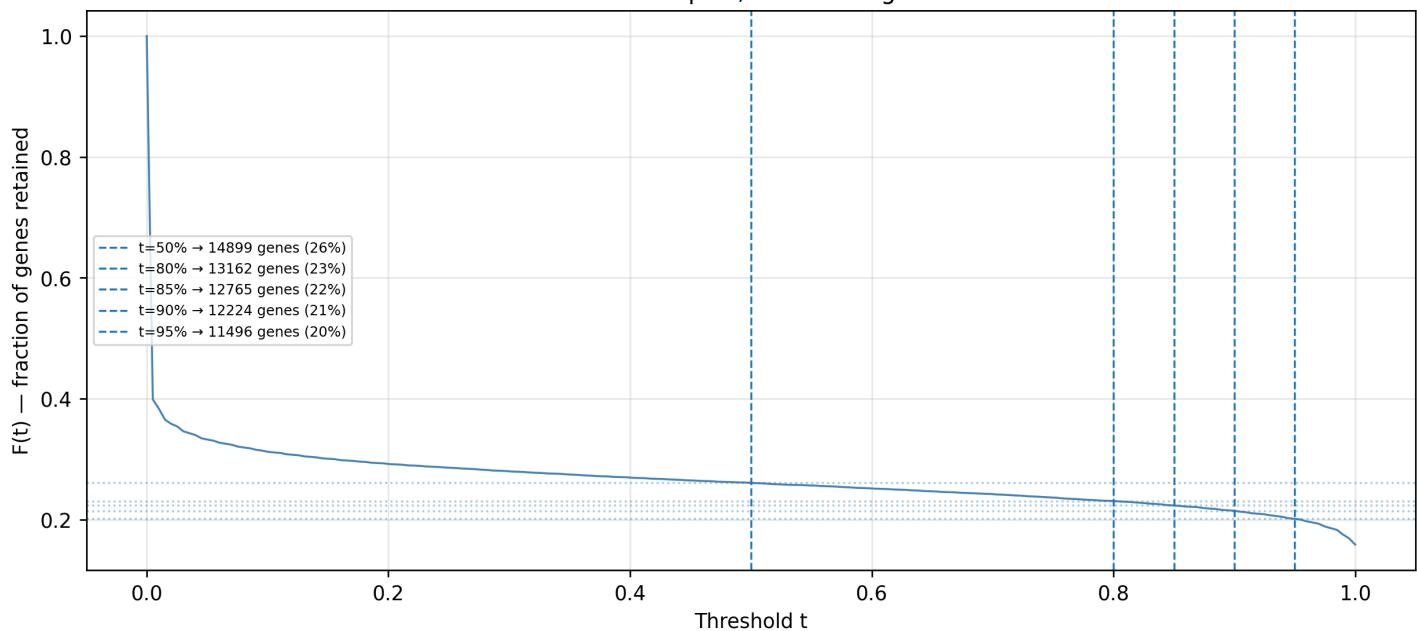
## Target Gene Stats

### Sparsity

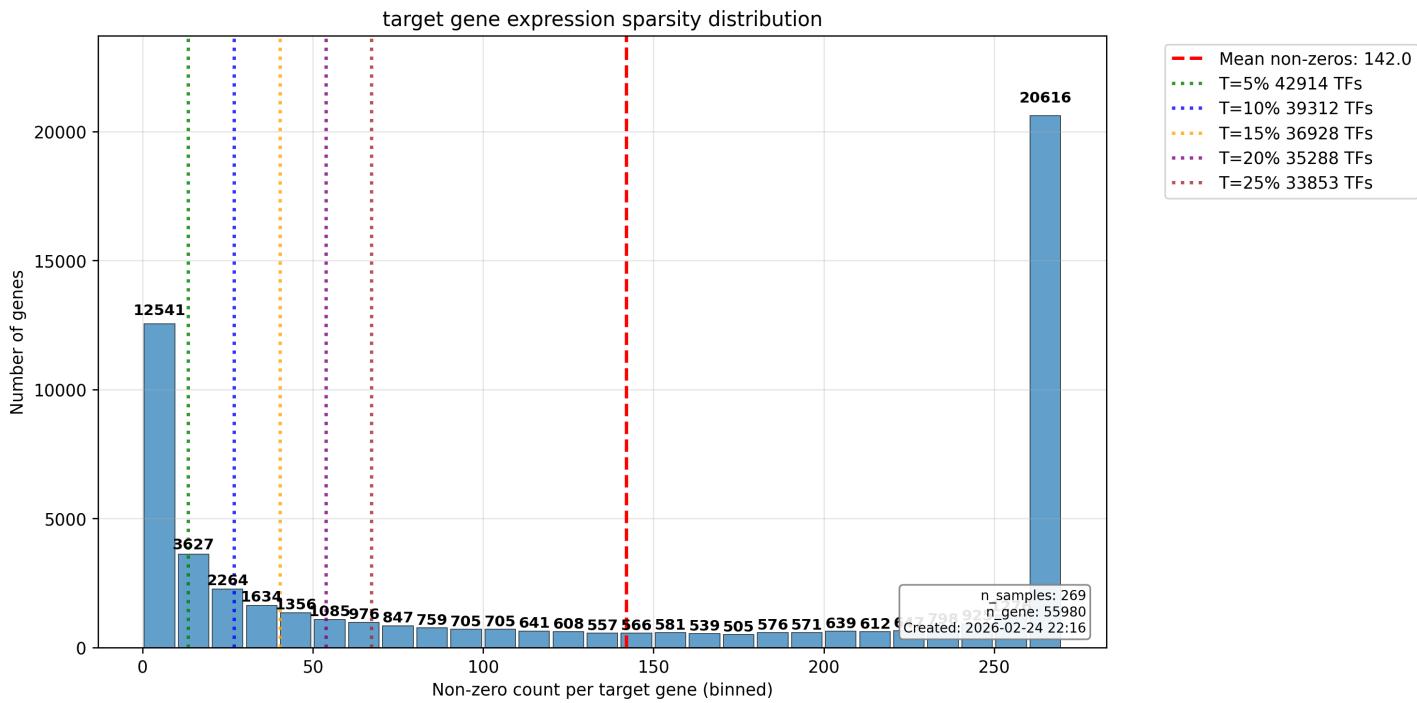


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

target gene coverage  
n=269 samples, m=57156 genes

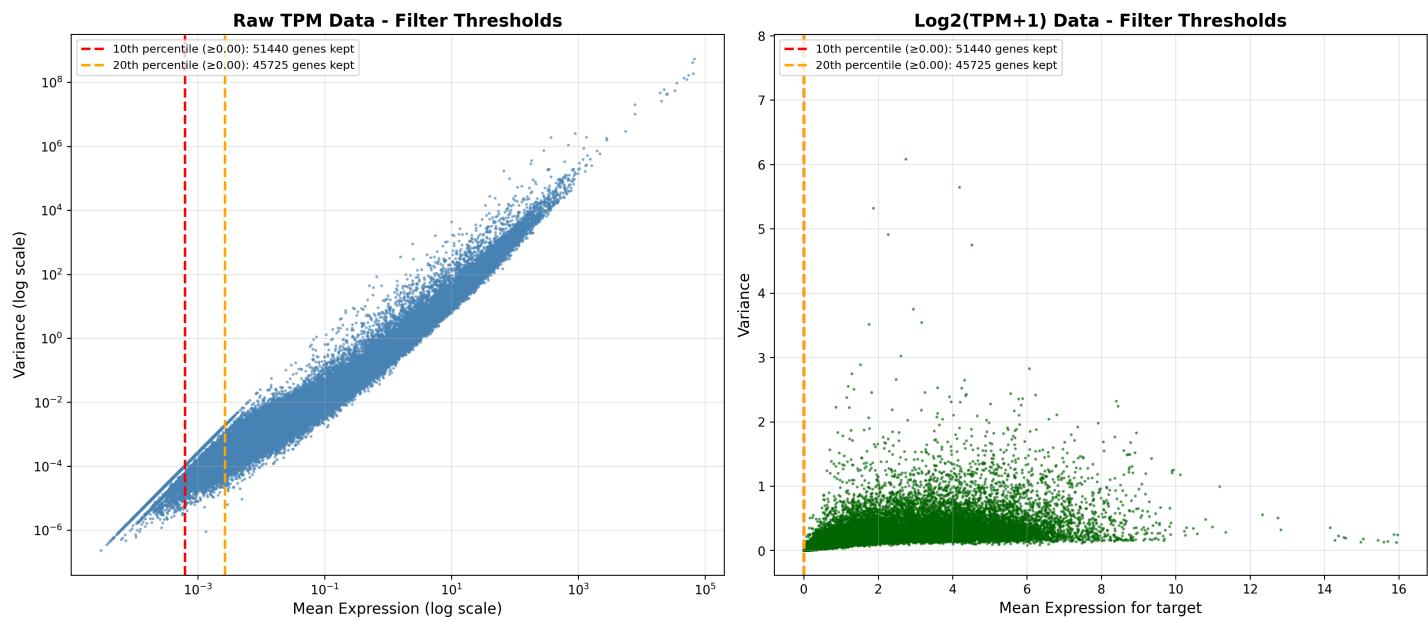


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



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

## Mean Variance



## Highly Expressed

gene	mean	std	min	max
MT-RNR2	67621.956506	23326.869979	16878.2000	170649.00
MT-CO2	64439.400372	13733.933784	13336.7000	108974.00
MT-CO1	62977.462825	20405.303376	10269.5000	118467.00
MT-CO3	54950.991822	12965.868535	10502.9000	97633.80
MT-ATP6	50903.680260	11113.750874	7773.1900	83677.00
MT-ND4	46119.396543	11665.339926	8338.7700	73948.60
MT-ND1	35283.924126	9768.611533	6723.1200	65888.60
MT-ND2	33076.435390	7439.842127	6386.5200	53811.90
MT-CYB	25249.723457	6611.308978	3001.0000	43310.10
MT-ATP8	24579.523197	6434.334427	3450.9200	43673.30
MT-RNR1	22468.031822	7730.741266	5851.1600	70597.20
MT-ND3	20522.957472	5082.734135	3869.6500	36749.50
MT-ND4L	19545.373866	6904.942288	3206.6800	37091.90
MT-ND5	7811.854572	3199.439938	1093.8300	24335.30
MT-ND6	7794.031082	4461.252523	873.4010	30927.70
MTATP6P1	5545.182971	1707.972281	26.7643	14324.30
FTL	2791.411004	1252.571340	1279.3200	9663.97
NRGN	2755.560576	1333.531084	122.3080	6154.30
GAPDH	2183.863134	764.889379	386.8690	4970.90
TMSB10	1972.396639	846.645495	330.1960	5383.77

## Lowly Expressed

gene	mean	std	min	max
RBMY2YP	0.0	0.0	0.0	0.0
RNU6-1087P	0.0	0.0	0.0	0.0
IGHV3-50	0.0	0.0	0.0	0.0
MIR4496	0.0	0.0	0.0	0.0

TRAJ25	0.0	0.0	0.0	0.0
RNA5SP238	0.0	0.0	0.0	0.0
RNU6-67P	0.0	0.0	0.0	0.0
RNU6-847P	0.0	0.0	0.0	0.0
FAM197Y5	0.0	0.0	0.0	0.0
ENSG00000249253	0.0	0.0	0.0	0.0
MIR7151	0.0	0.0	0.0	0.0
ENSG00000248591	0.0	0.0	0.0	0.0
REXO1L4P	0.0	0.0	0.0	0.0
RN7SL335P	0.0	0.0	0.0	0.0
MIR1302-7	0.0	0.0	0.0	0.0
LINC01023	0.0	0.0	0.0	0.0
RPS28P1	0.0	0.0	0.0	0.0
ENSG00000224252	0.0	0.0	0.0	0.0
RNA5SP182	0.0	0.0	0.0	0.0
ENSG00000278478	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