

Gene Expression Report

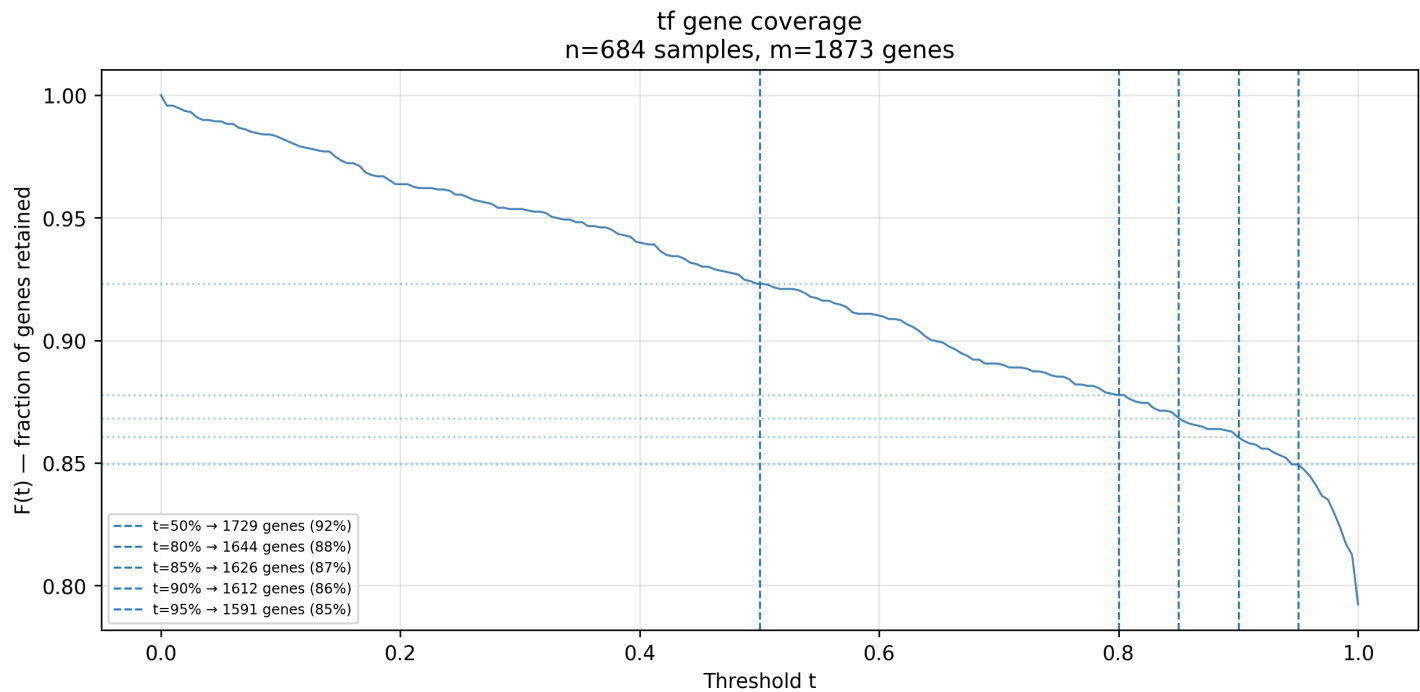
Source: Gene TPMs for Thyroid
Downloaded: 2026-02-16 23:37:12.466023
Generated: 2026-02-24 22:16

Basic Stats

Samples: 684 | Genes: 74628 | TF: 1866 | Targets: 71455

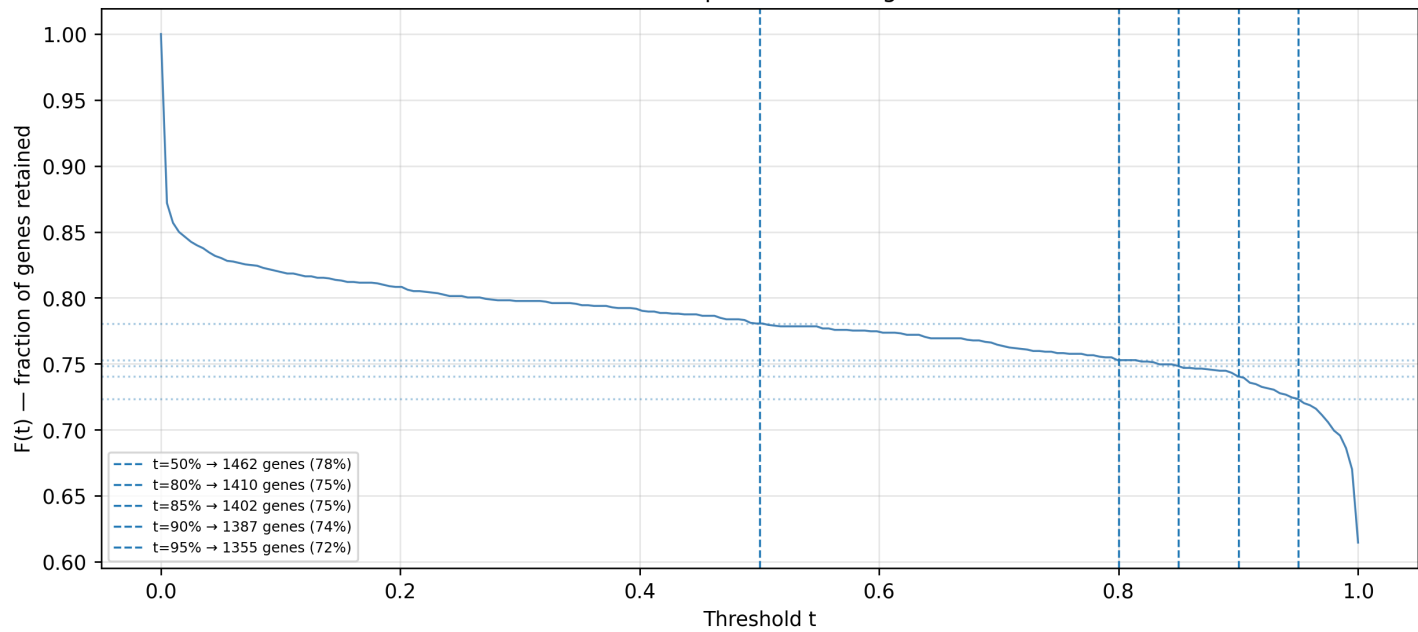
TF Stats

Sparsity



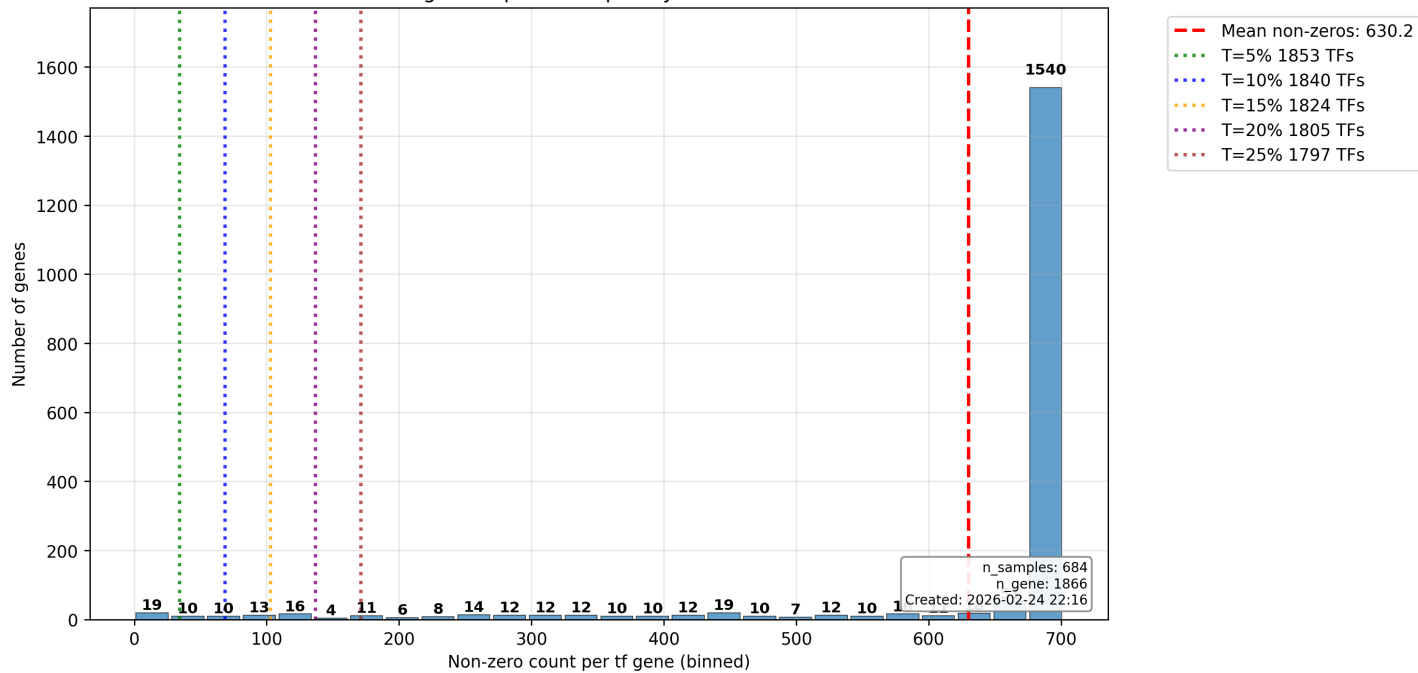
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

tf gene coverage
n=684 samples, m=1873 genes



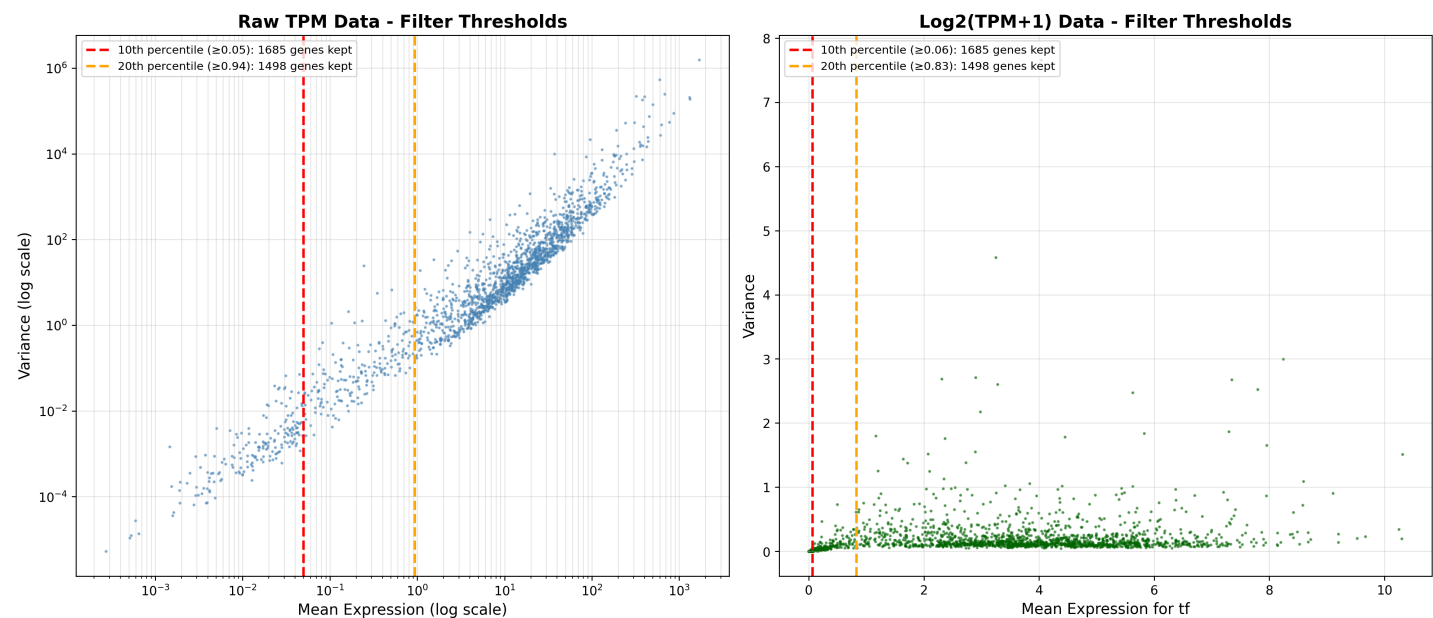
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1

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
TFF3	1699.247730	1251.908456	24.3477	10201.40
RPL35	1322.442291	435.827400	485.3200	2914.78
PAX8	1306.262094	456.148819	104.5110	3306.69
RPS4X	859.871598	299.252192	277.4470	2355.46
PRDX5	770.409000	235.198898	220.0310	2169.57
HSPA5	683.591458	498.542919	91.4145	4315.46
SNRNP70	622.616740	218.579261	80.6058	1796.80
RPS10	607.050105	165.348692	232.5760	1635.89
EGR1	597.065311	733.441803	19.2081	3940.94
JUNB	497.908561	375.710768	36.1834	2753.36
CEBPD	452.120678	274.237653	43.7302	2265.37
RPL6	439.963646	140.755976	153.7400	1034.78
EPAS1	434.486367	156.047844	108.9060	1142.03
ATF4	423.290374	121.711279	112.2710	1065.25
NR4A1	401.149838	465.513695	12.7322	2533.76
ID1	390.540216	207.522175	45.1108	1683.30
NKX2-1	380.997529	124.736237	28.9101	852.24
YWHAE	376.927001	85.322481	134.4490	670.34
JUN	376.542248	425.415767	15.4253	4287.39
ENO1	360.313115	128.750055	112.7230	1111.04

Lowly Expressed

gene	mean	std	min	max
BSX	0.002310	0.014344	0.0	0.174528
TFAP2D	0.001926	0.014791	0.0	0.326189
HOXD12	0.001914	0.008452	0.0	0.132119
MSGN1	0.001889	0.011881	0.0	0.114661

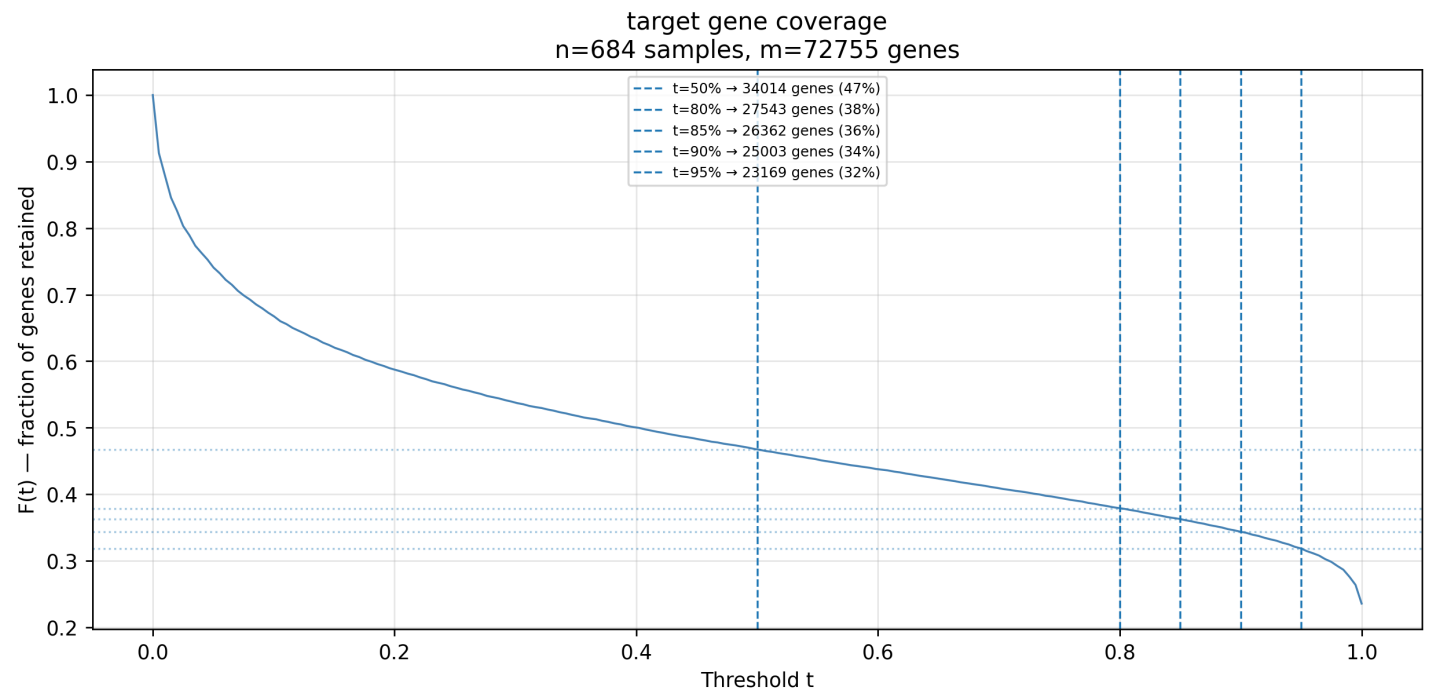
OLIG3	0.001623	0.006545	0.0	0.053766
KLF18	0.001580	0.006018	0.0	0.064740
ZNF705CP	0.001537	0.013238	0.0	0.233909
ZNF781	0.001463	0.038268	0.0	1.000850
HSFY2	0.000645	0.003704	0.0	0.032050
DUX4	0.000597	0.005256	0.0	0.073643
ZNF705D	0.000530	0.003513	0.0	0.055529
HSFY1	0.000510	0.003294	0.0	0.029147
ZNF355P	0.000272	0.002295	0.0	0.030004
ZNF826P	0.000000	0.000000	0.0	0.000000
PPP2R3B	0.000000	0.000000	0.0	0.000000
ZNF702P	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
SHOX	0.000000	0.000000	0.0	0.000000
ZNF658B	0.000000	0.000000	0.0	0.000000

Duplicates

ZBED1	GTPBP6	ZNF781	SHOX	ZNF702P	ZNF658B	PPP2R3B	
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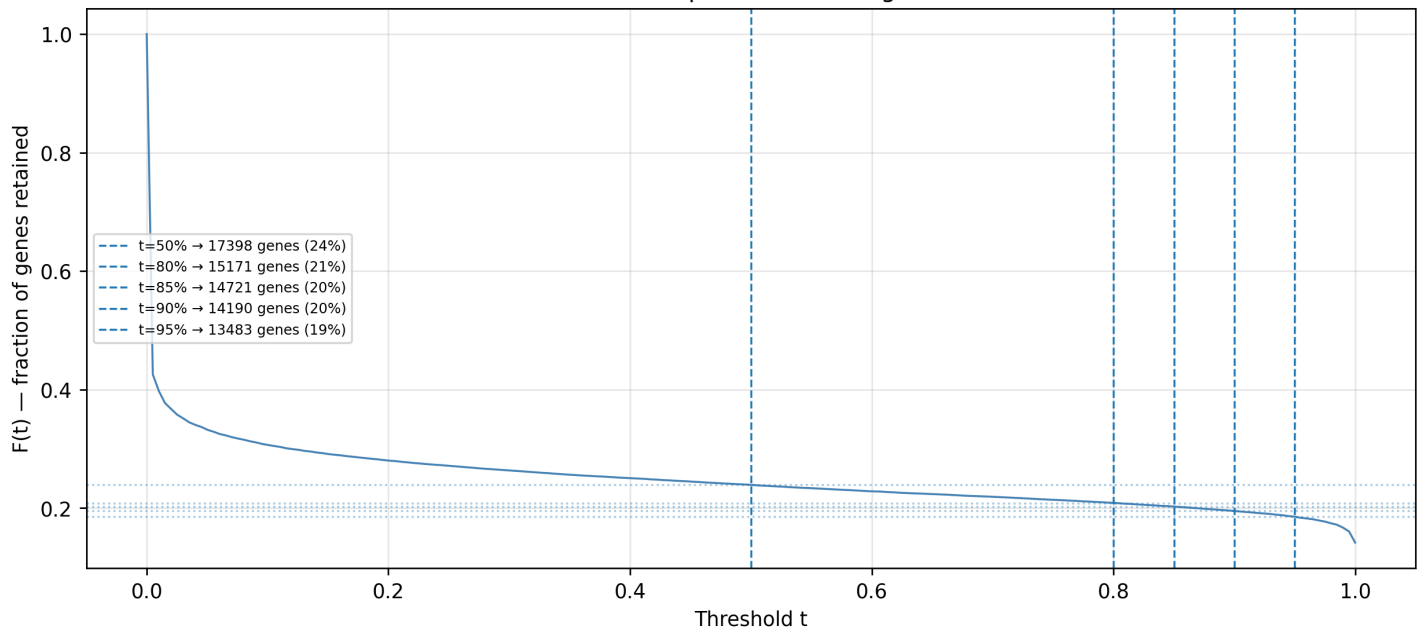
Target Gene Stats

Sparsity



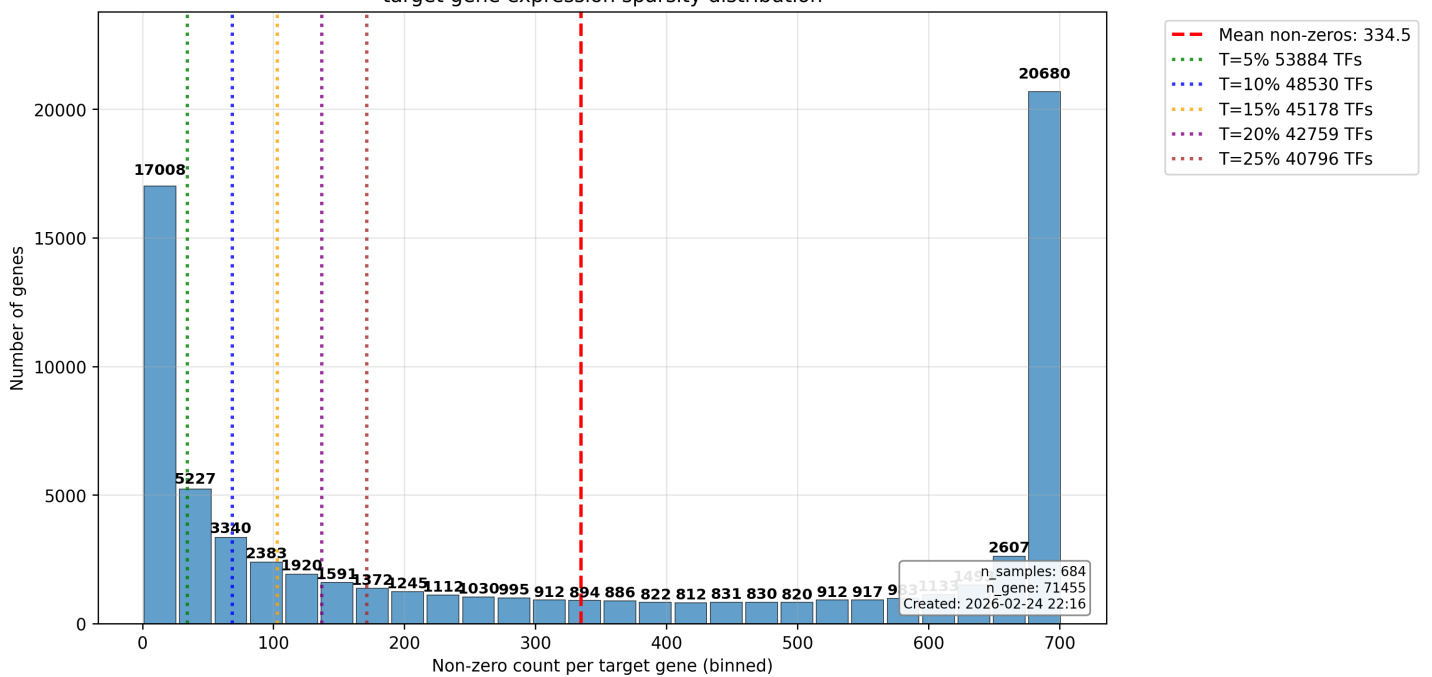
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

target gene coverage
n=684 samples, m=72755 genes



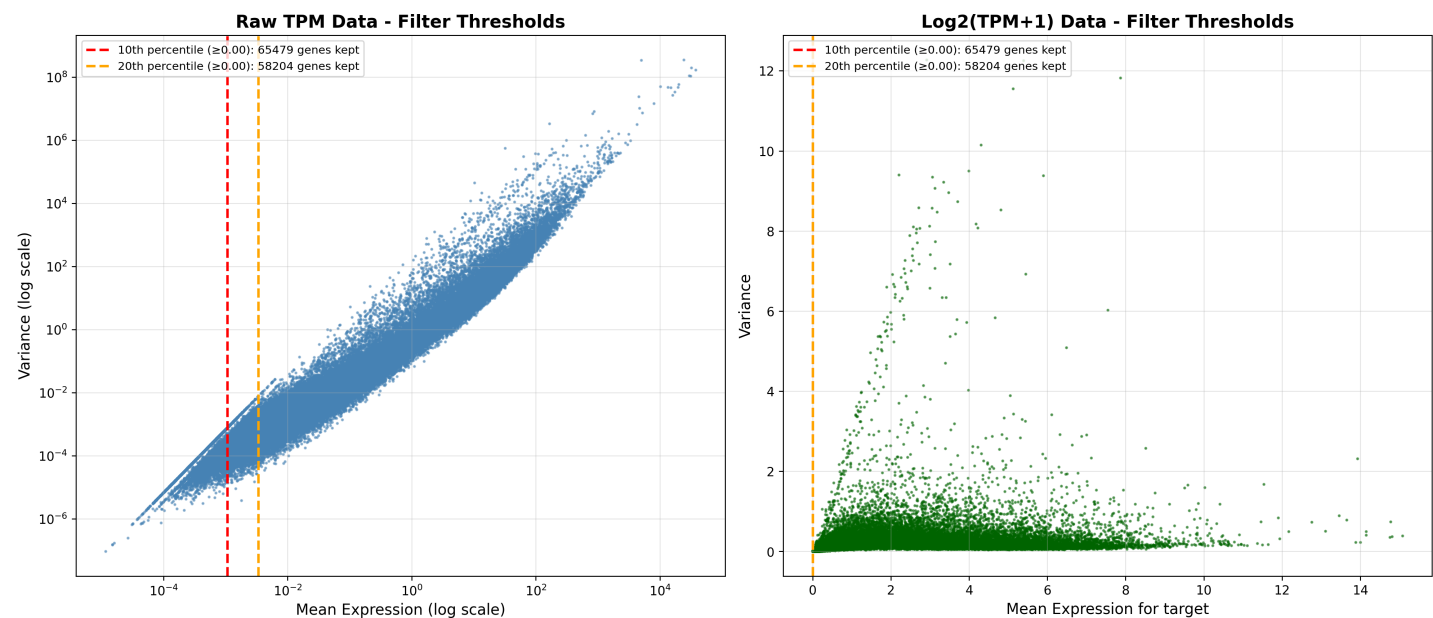
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1

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
MT-CO3	37433.149035	13055.371055	3077.97000	90742.50
MT-ND4	32053.243713	14066.236535	1195.70000	107712.00
MT-ATP6	30991.528523	10337.918402	2874.05000	63783.20
MT-CO2	29708.261871	10476.851748	3368.15000	80499.70
MT-CO1	24132.780360	18797.285093	624.21600	76231.00
MT-CYB	20016.354620	7697.476139	1124.87000	47971.70
MT-ATP8	19588.951491	6886.045893	1470.04000	44110.50
MT-ND2	17291.844591	5847.258838	2228.79000	61758.40
MT-ND3	15877.023421	5187.488633	4157.95000	37381.80
MT-ND4L	14861.098395	6854.399862	504.24200	57267.50
MT-ND1	13363.200003	6903.008420	658.47000	46372.50
MT-RNR2	10113.781798	7137.366240	1880.12000	101296.00
TG	7939.199882	3798.840575	268.89900	25344.70
GPX3	5175.854500	2718.139812	880.58000	19769.30
IGKC	4980.687291	18628.622582	2.47816	287839.00
MT-ND5	4672.749323	3215.181072	335.98900	23426.20
MT-ND6	4560.829608	4893.082766	306.21300	32687.50
RPS27	4233.043099	1777.462405	1144.53000	11779.70
RPS12	3331.299152	983.818222	1030.36000	7460.41
MTATP6P1	3141.821100	1252.914102	22.99460	14431.30

Lowly Expressed

gene	mean	std	min	max
MIR6862-1	0.0	0.0	0.0	0.0
RNU6-721P	0.0	0.0	0.0	0.0
5_8S_rRNA	0.0	0.0	0.0	0.0
ENSG00000250037	0.0	0.0	0.0	0.0

ENSG00000250596	0.0	0.0	0.0	0.0
TTTY4	0.0	0.0	0.0	0.0
TTTY4B	0.0	0.0	0.0	0.0
MIR5591	0.0	0.0	0.0	0.0
ENSG00000300416	0.0	0.0	0.0	0.0
RNU1-36P	0.0	0.0	0.0	0.0
MIR4475	0.0	0.0	0.0	0.0
MIR3201	0.0	0.0	0.0	0.0
KRTAP19-11P	0.0	0.0	0.0	0.0
RNA5SP504	0.0	0.0	0.0	0.0
ENSG00000237500	0.0	0.0	0.0	0.0
AKR1C7P	0.0	0.0	0.0	0.0
MIR101-1	0.0	0.0	0.0	0.0
RNU6-687P	0.0	0.0	0.0	0.0
ENSG00000225795	0.0	0.0	0.0	0.0
RNU6-587P	0.0	0.0	0.0	0.0

Duplicates

Y_RNA, Metazoa_SRP, U3, U6, SNORA70, U8, U2, 5S_rRNA, SNORA72, SNORA63
U4, SNORA75, U7, 7SK, 5_8S_rRNA, DDX11L16, SNORA62, SNORA73, SNORA74, SNORD39
SNORD116, U1, SNORD81, PRSS40A, CCNYL2, TMEM30CP, DDX11L2, SLC66A1LP, LINC03112, DPY19L2P3
FAM197Y3, DHRSX, P2RY8, VAMP7, VN2R19P, DHRS4L1, ADAM6, CASP1P2, ABCA17P, SDR16C6P
PMS2P3, SMG1P5, TMBIM7P, CROCCP3, NCF1C, ZNF833P, MIR3171HG, SNHG33, KMT2CP1, BMS1P1
SLC44A3-AS1, COL6A4P1, DHRSX-IT1, FMO6P, RNA5SP498, GOLGA2P9, LINC02210, CRLF2, ANKRD20A5P, LRRC37A5P
RPL14P5, ZPLD2P, SLC19A4P, KRT42P, CUTALP, UBE2Q2P13, PFN1P2, XKRYP7, GOLGA8M, SNORD63
RP9P, IL9R, FAM169BP, SULT1C5P, PRSS46P, INGX, CHEK2P2, FRG1BP, LINC03023, LSP1P5
BTN2A3P, ZNF876P, FRG1JP, GBP1P1, SMG1P7, CASP4LP, REXO6P, Vault, TEKT4P2, GTF2IRD1P1
SNORA71, MT1IP, AGAP12P, ASMTL-AS1, ANKRD36BP2, FAM74A6, LDC1P, FRG2KP, FAM197Y4, AKAP17A
CYP4Z2P, FAM74A4, STRCP1, LRRC37A11P, UBE2Q2P1, TBC1D3P5, RDM1P5, PCBP1-AS1, WASIR1, PTPRVP
ELFN2, PDE4DIPP6, LINC01618, FGD5P1, ACTE1P, CXXC1P1, CTSL3P, FMO9P, CSF2RA, RAET1E-AS1
LINC01115, LINC00106, CATSPER2P1, GUSBP11, WHAMMP4, TDH, ASMTL, LINC00685, TRPC2, ABCC13
LPAL2, FAM21EP, FRG1HP, LINC03025, SAA3P, SNORD115, ZNF56P, FAM197Y8, RBMY2FP, BCORP1
PRSS40B, HSD17B7P2, HLA-V, CYP2T1P, ALG1L9P, SLC6A10P, SNORD18, SLC25A6, ECEL1P2, FOLH1B
AMZ2P1, C3P1, TEX14BP, ALMS1P1, LINC00102, TMEM198B, FABP5P13, SUGT1P3, TRPC6P1, CAST
CRYZL2P, CDRT15P3, OSTCP1, ALOX12P2, DMBT1L1, MED15P9, CA5BP1, ANKRD26P3, NPEPPSP1, SORD2P
REXO1L2P, ASNSP1, SNORD42, PPIEL, CD99P1, KRT18P53, AACSP1, SPATA13, IL3RA, MRPS31P5
SDHAP3, CEP170P1, KRT87P, RAB6C-AS1, LINC02968, AMD1P2, BMS1P14, ABCA11P, ABCC6P2, ASMT
INTS4P1, TXLNGY, AOC4P, ELOCP24, CD99, OR7E47P, A2MP1, XKRY, TCP10L3, FAM197Y9
AFG3L1P, DPH3P2, ADAM21P1, PRSS59P, ADCY10P1, LINC03021, GOLGA6L17P, PRSS42P, MIR3690, AHSA2P
CCT6P3, HERC2P9, RPL13AP3, PLEKHA8P1, FAM197Y5, PLCXD1, CHMP1B2P, SNORD33, FAM74A3, WASH6P
VENTXP1, GOLGA8DP, NUP210P1, MFSD13B