

Gene Expression Report

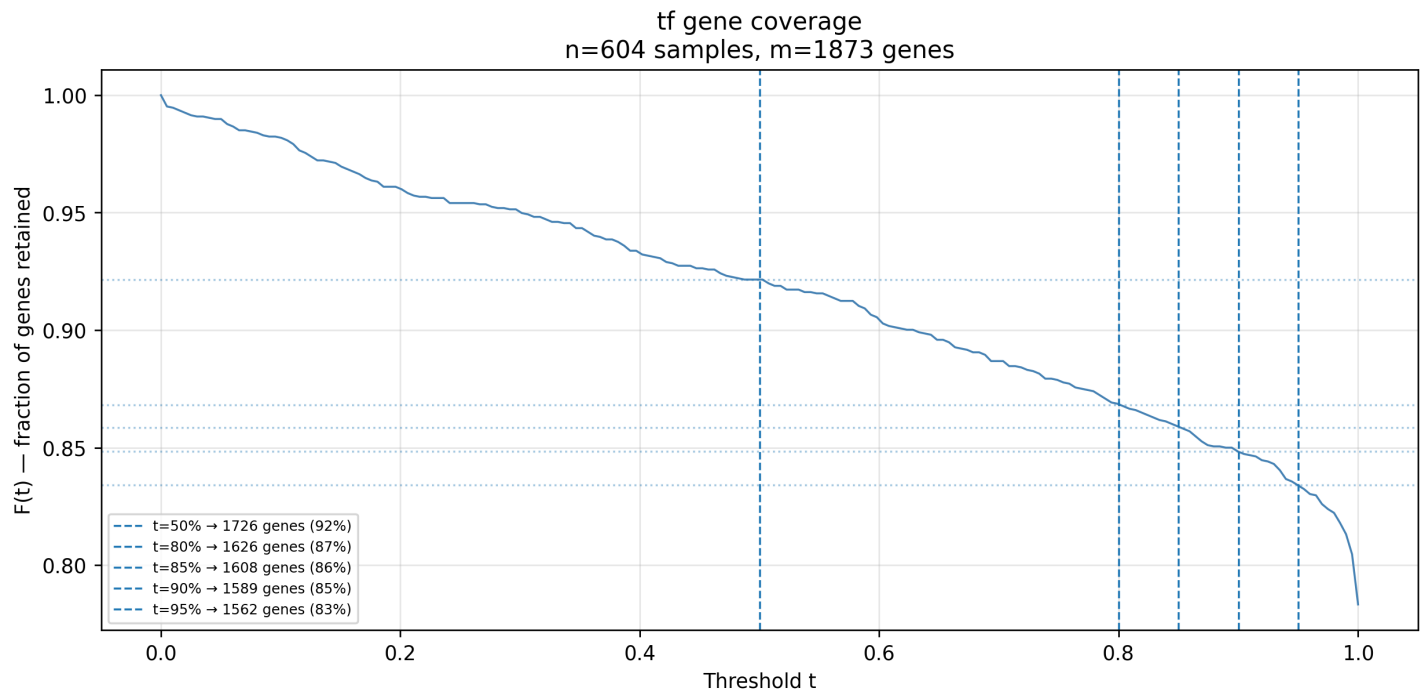
Source: Gene TPMs for Lung
Downloaded: 2026-02-17 12:19:29.185828
Generated: 2026-02-24 22:17

Basic Stats

Samples: 604 | Genes: 74628 | TF: 1866 | Targets: 71455

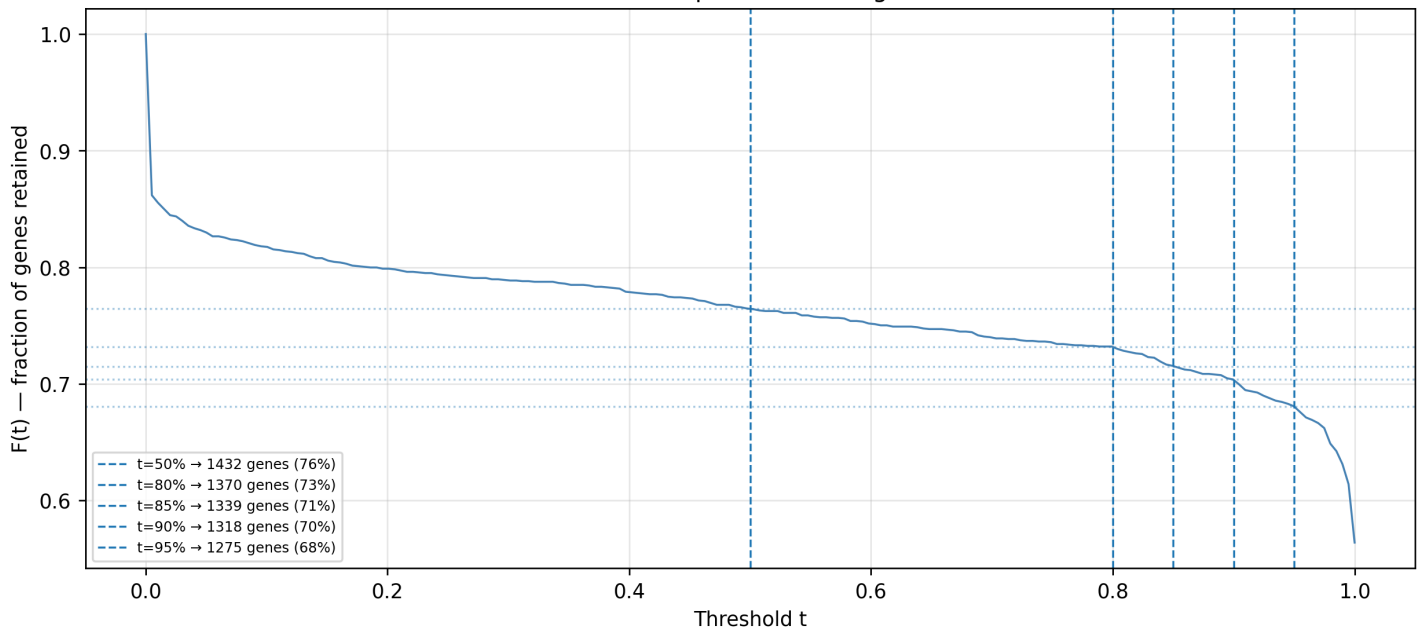
TF Stats

Sparsity



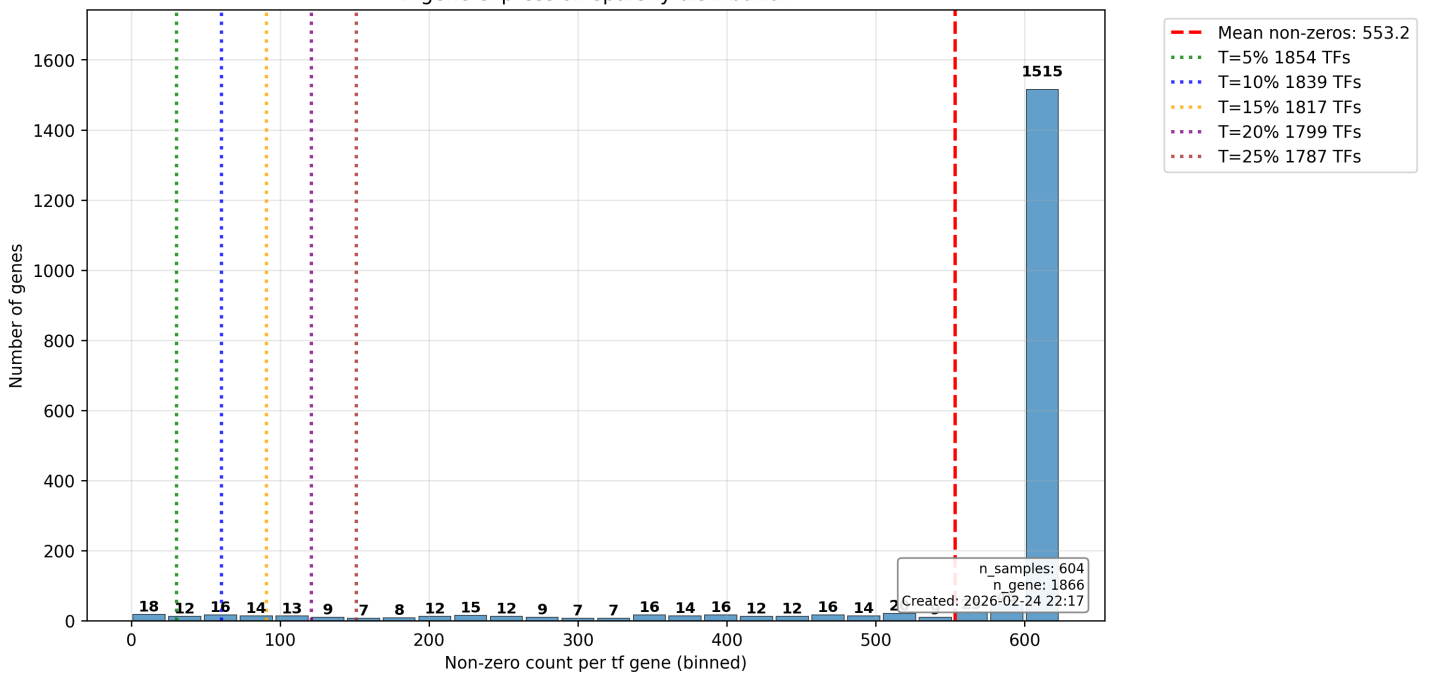
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

tf gene coverage
n=604 samples, m=1873 genes



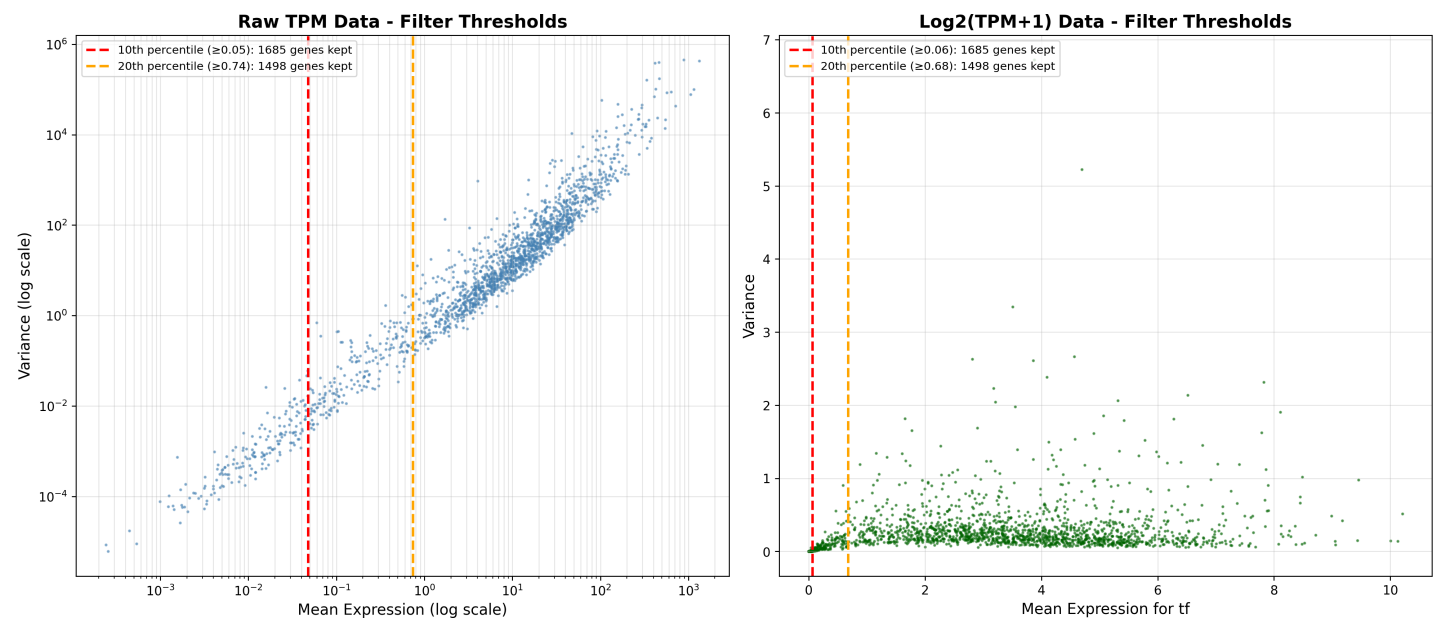
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1

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
EPAS1	1332.105945	654.968934	265.5860	4065.150
RPL35	1159.176921	316.513090	423.2780	2870.100
TAGLN2	1063.485531	279.174564	446.2620	2181.500
JUNB	887.472227	672.839568	109.6170	4603.170
RPS4X	716.380359	206.941921	378.2640	1781.200
CEBPD	637.412480	297.596182	141.6480	2137.300
ENO1	570.659060	290.985354	135.0810	1913.220
ATF4	547.957328	146.805562	289.1990	1144.060
RPS10	542.552495	117.710045	218.3480	1282.600
JUN	466.433328	416.213894	54.7440	3133.070
FOS	464.554683	628.349505	34.6434	5044.600
PRDX5	443.871086	153.215490	190.8090	1233.360
HSPA5	425.518763	318.633835	99.0531	2548.630
EGR1	415.074594	621.307625	16.3770	6031.580
JUND	410.504221	264.696032	65.6782	2218.020
YBX1	377.792272	91.704263	169.3480	807.907
RPL6	365.941768	84.786683	172.8060	906.841
EZR	356.187147	144.896010	92.8470	885.492
YWHAE	339.107717	71.137020	161.7240	608.079
NR4A1	336.177238	403.224013	19.8414	3348.590

Lowly Expressed

gene	mean	std	min	max
TGIF2LX	0.001697	0.011877	0.0	0.124110
SKOR2	0.001676	0.005100	0.0	0.048765
FERD3L	0.001551	0.027270	0.0	0.542392
HOXD12	0.001432	0.007209	0.0	0.083004

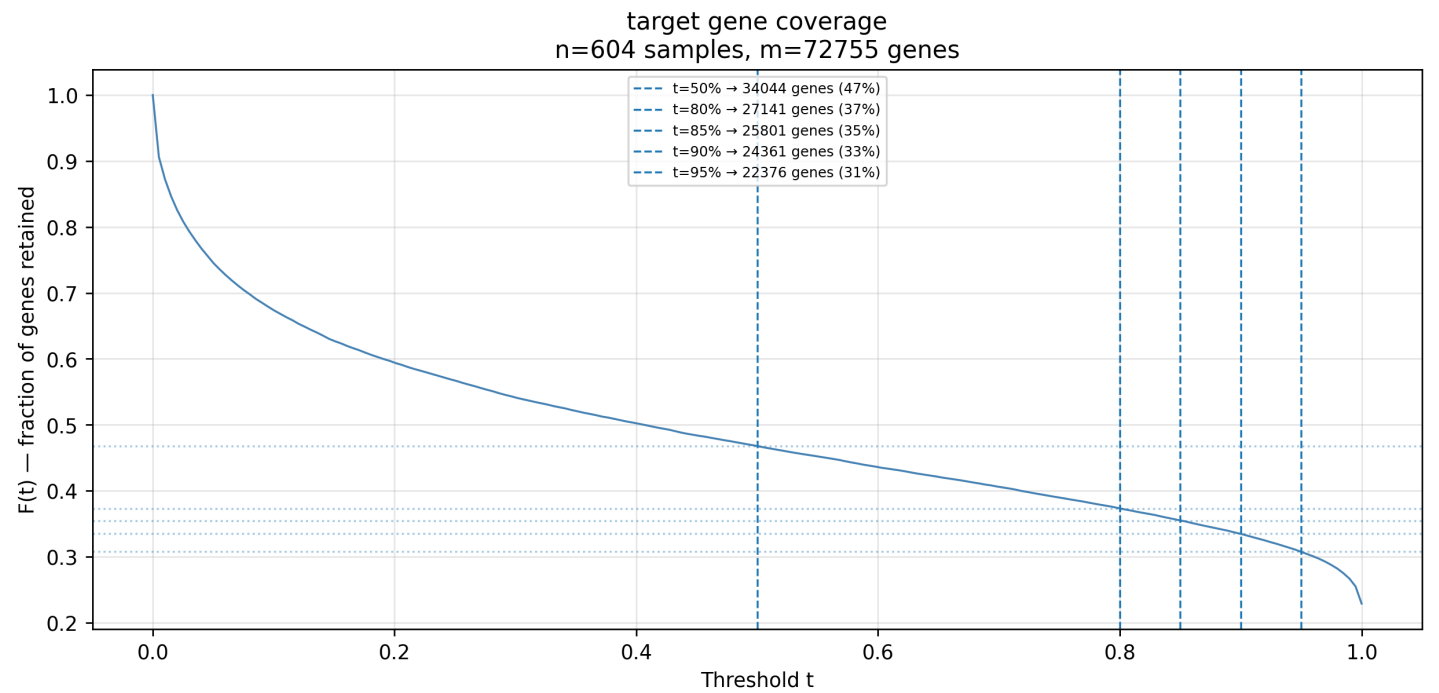
FOXR2	0.001391	0.007834	0.0	0.112592
ZNF705CP	0.001256	0.010170	0.0	0.151683
ZNF735	0.001223	0.007758	0.0	0.097257
DUX4	0.000986	0.008779	0.0	0.119573
ZNF705D	0.000538	0.002989	0.0	0.030186
ZNF355P	0.000444	0.004168	0.0	0.073833
HSFY2	0.000254	0.002465	0.0	0.035417
HSFY1	0.000239	0.002920	0.0	0.049544
ZNF826P	0.000000	0.000000	0.0	0.000000
ZNF781	0.000000	0.000000	0.0	0.000000
ZNF702P	0.000000	0.000000	0.0	0.000000
ZNF658B	0.000000	0.000000	0.0	0.000000
ZBED1	0.000000	0.000000	0.0	0.000000
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

Duplicates

ZBED1	GTPBP6	ZNF781	SHOX	ZNF702P	ZNF658B	PPP2R3B	
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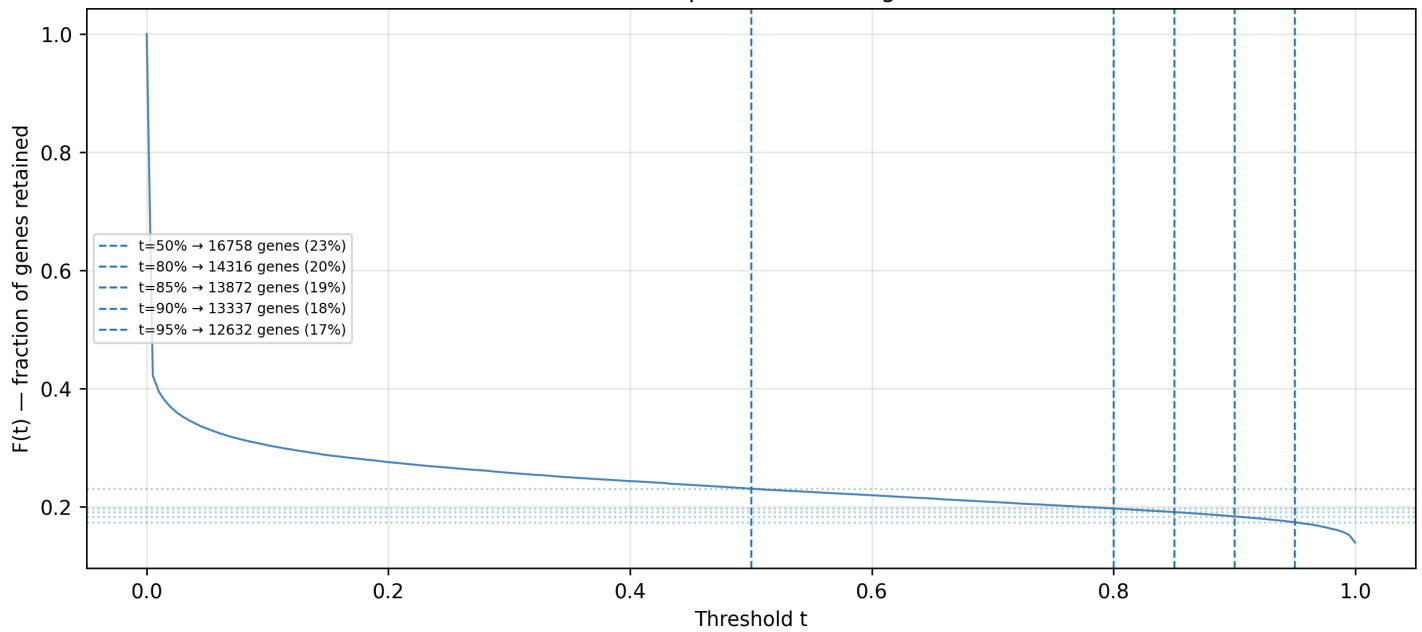
Target Gene Stats

Sparsity

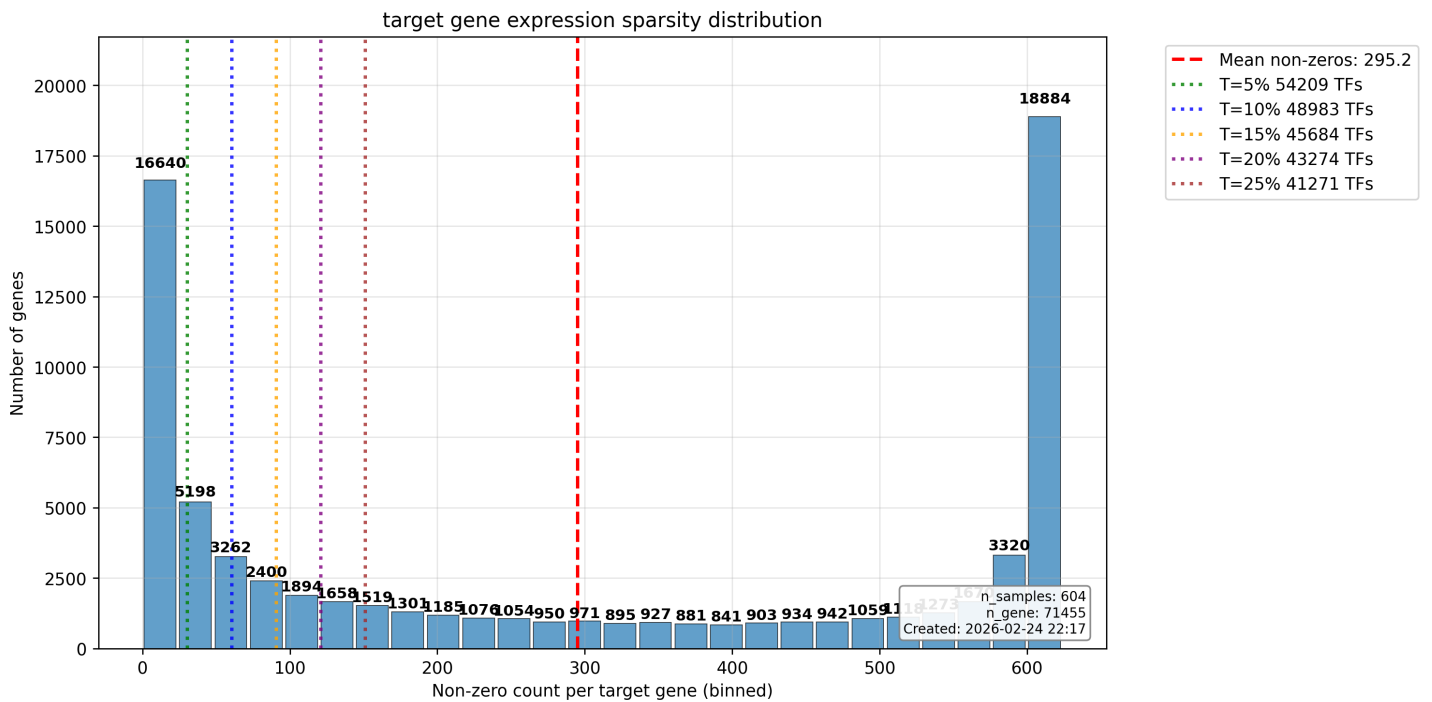


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

target gene coverage
n=604 samples, m=72755 genes

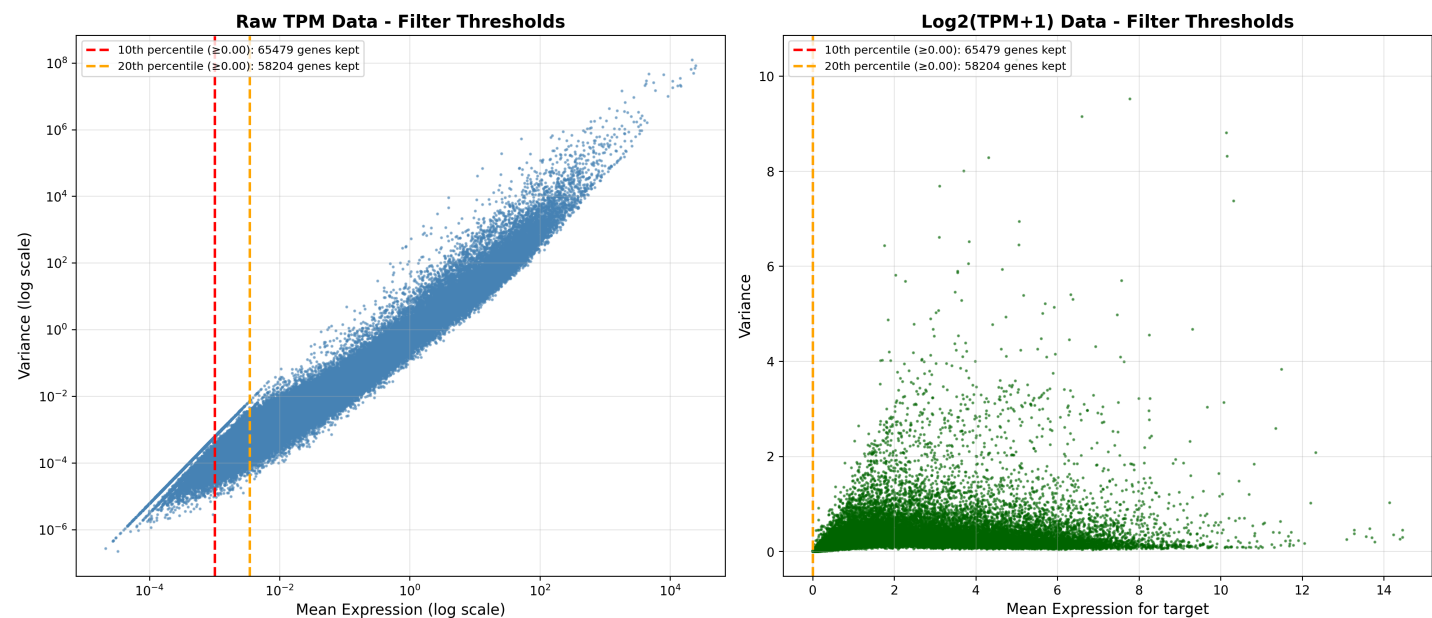


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



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

Mean Variance



Highly Expressed

gene	mean	std	min	max
MT-ND4	24640.644023	9164.442643	2483.71000	58038.60
MT-CO2	24070.974123	8313.722787	4476.81000	57747.10
MT-ATP6	22777.156556	7055.321918	2768.07000	43279.90
MT-CO1	21789.473079	11148.071901	1164.23000	65007.20
MT-CO3	20907.931705	8048.405787	2869.15000	53433.20
MT-ND2	14711.944139	4500.841340	3270.27000	31759.80
MT-ND1	14270.504752	5884.660875	1391.54000	37702.00
MT-ATP8	14205.972666	4671.300957	1888.40000	29565.90
MT-CYB	12995.965464	4568.987873	1482.04000	29181.20
MT-ND4L	10892.530546	4285.195435	1434.27000	30591.90
MT-RNR2	10874.806026	5349.583551	1864.34000	54272.40
MT-ND3	9256.397765	3159.980763	1750.61000	21498.70
MT-ND6	7938.767377	6643.553001	427.13600	36396.50
MT-ND5	5929.930632	3853.625789	668.52300	21031.90
SFTPB	5538.804511	5063.138649	31.81350	22450.60
IGKC	4738.892104	6866.273986	69.85800	86078.60
TMSB10	4431.466672	1276.406088	1688.32000	9889.75
SFTPC	4311.972808	5421.480381	4.55358	33493.00
SFTPA2	4254.804283	4925.064568	7.12406	21430.40
SFTPA1	4085.865797	4620.352259	9.18947	21143.10

Lowly Expressed

gene	mean	std	min	max
TTY4	0.0	0.0	0.0	0.0
ENSG00000234535	0.0	0.0	0.0	0.0
MIR3686	0.0	0.0	0.0	0.0
RNU4-66P	0.0	0.0	0.0	0.0

RN7SKP164	0.0	0.0	0.0	0.0
MIR4427	0.0	0.0	0.0	0.0
RNU6-78P	0.0	0.0	0.0	0.0
DUX4L2	0.0	0.0	0.0	0.0
RNU7-79P	0.0	0.0	0.0	0.0
ENSG00000305188	0.0	0.0	0.0	0.0
ELOCP11	0.0	0.0	0.0	0.0
USP17L15	0.0	0.0	0.0	0.0
ASMT	0.0	0.0	0.0	0.0
FAM90A19	0.0	0.0	0.0	0.0
RN7SKP73	0.0	0.0	0.0	0.0
FAM90A3	0.0	0.0	0.0	0.0
RN7SL640P	0.0	0.0	0.0	0.0
Y_RNA	0.0	0.0	0.0	0.0
ENSG00000259214	0.0	0.0	0.0	0.0
MIR4799	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, AHS2P
CCT6P3, HERC2P9, RPL13AP3, PLEKHA8P1, FAM197Y5, PLCXD1, CHMP1B2P, SNORD33, FAM74A3, WASH6P
VENTXP1, GOLGA8DP, NUP210P1, MFSD13B