

# Gene Expression Report

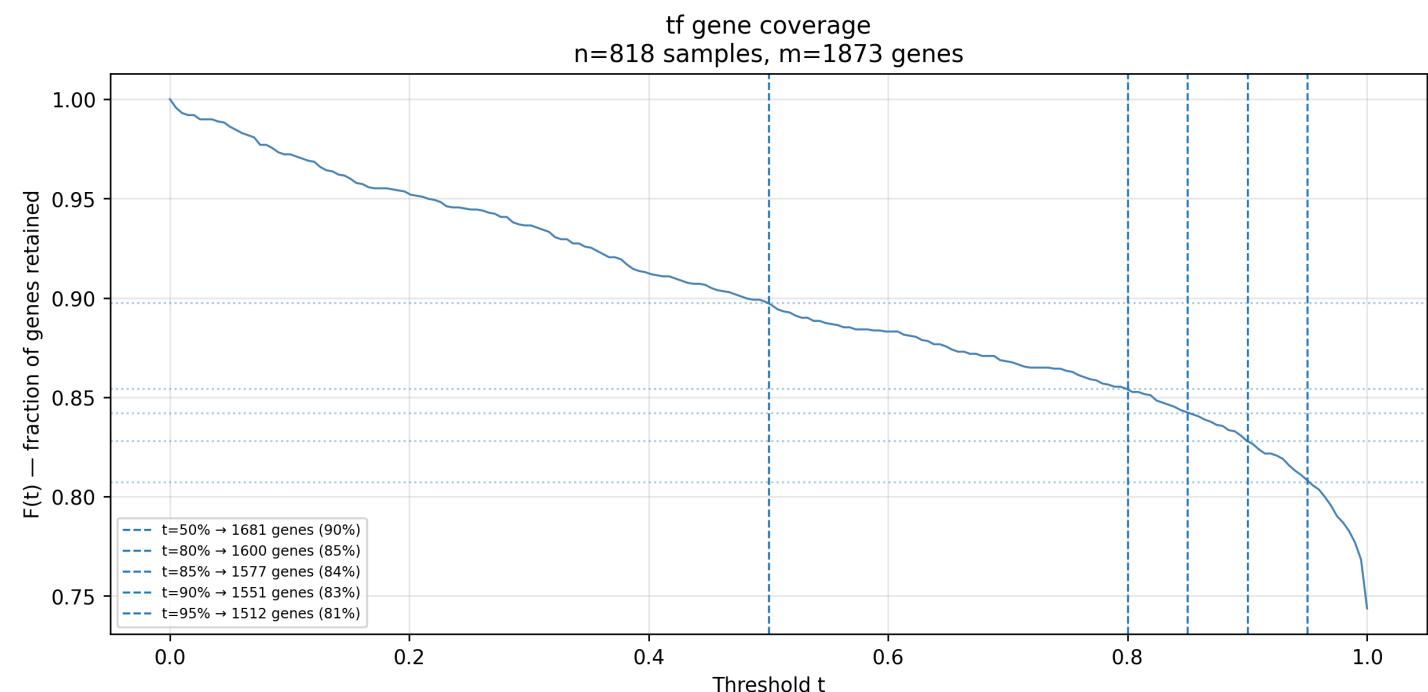
Source: Gene TPMs for Muscle - Skeletal  
Downloaded: 2026-02-17 12:19:53.483325  
Generated: 2026-02-24 22:16

## Basic Stats

Samples: 818 | Genes: 74628 | TF: 1866 | Targets: 71455

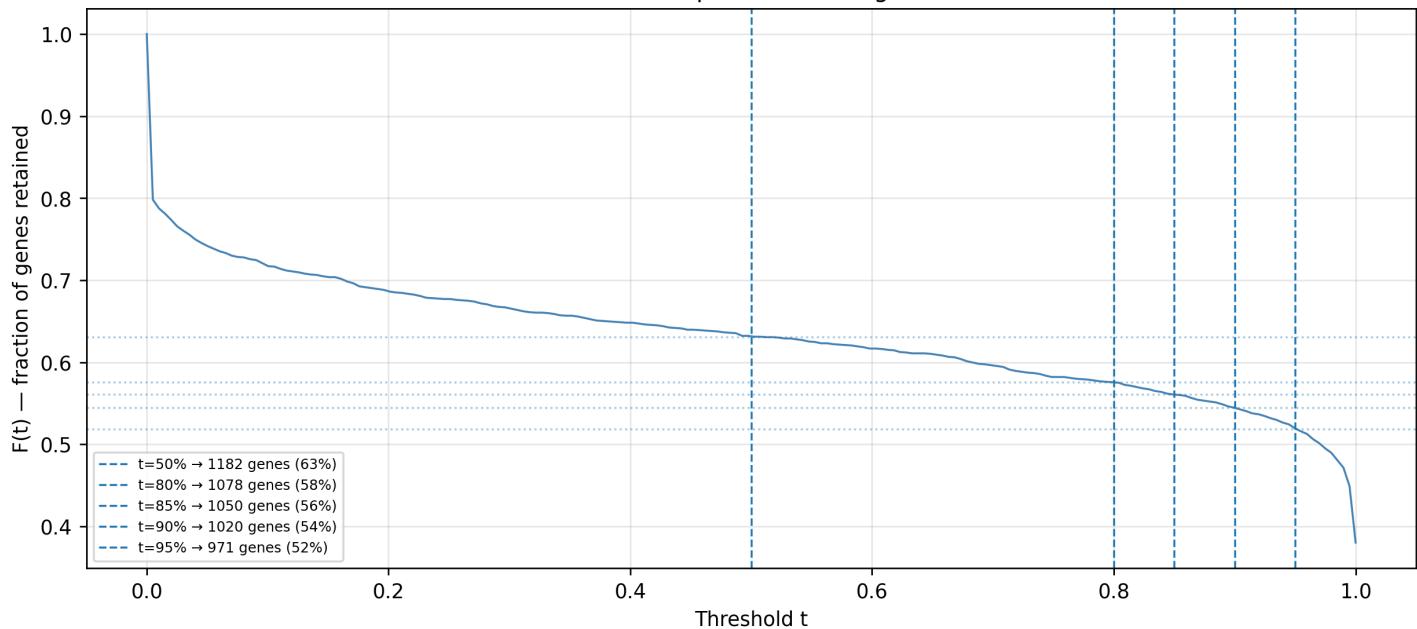
## TF Stats

### Sparsity

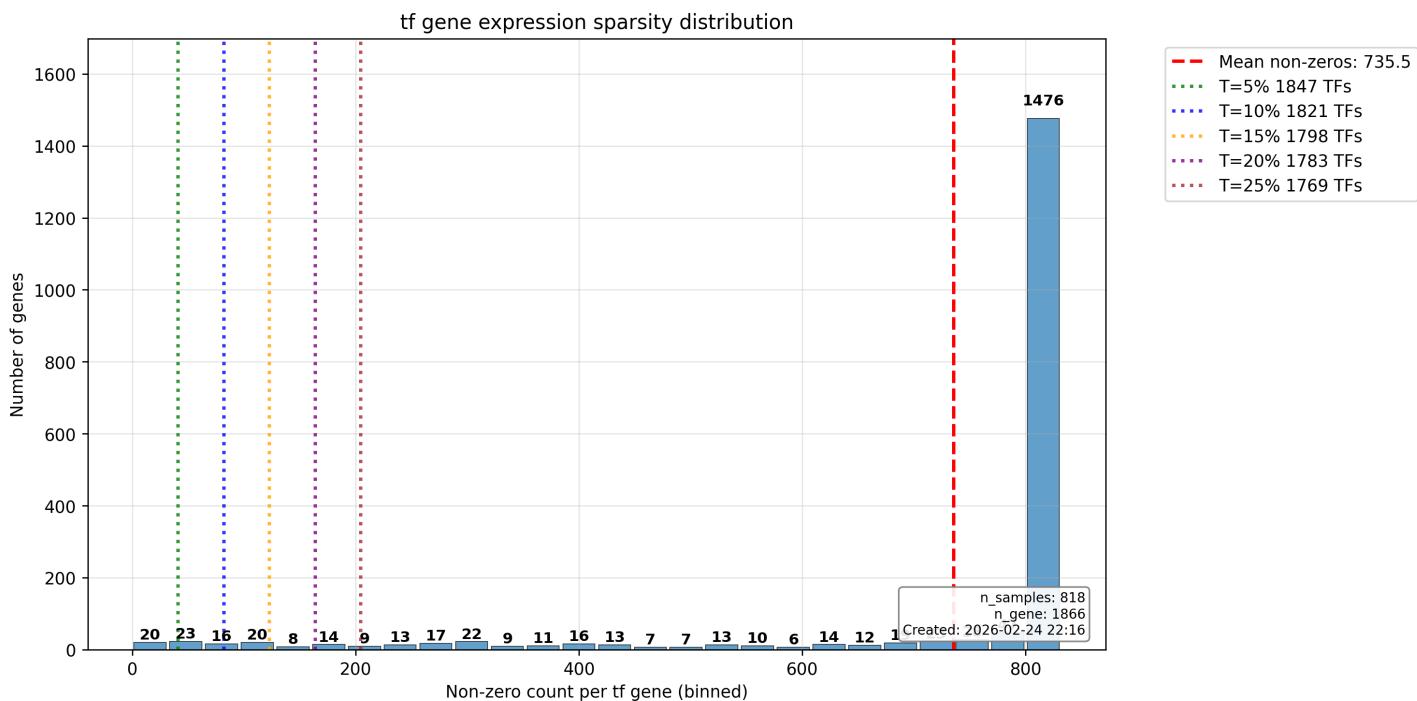


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

tf gene coverage  
n=818 samples, m=1873 genes

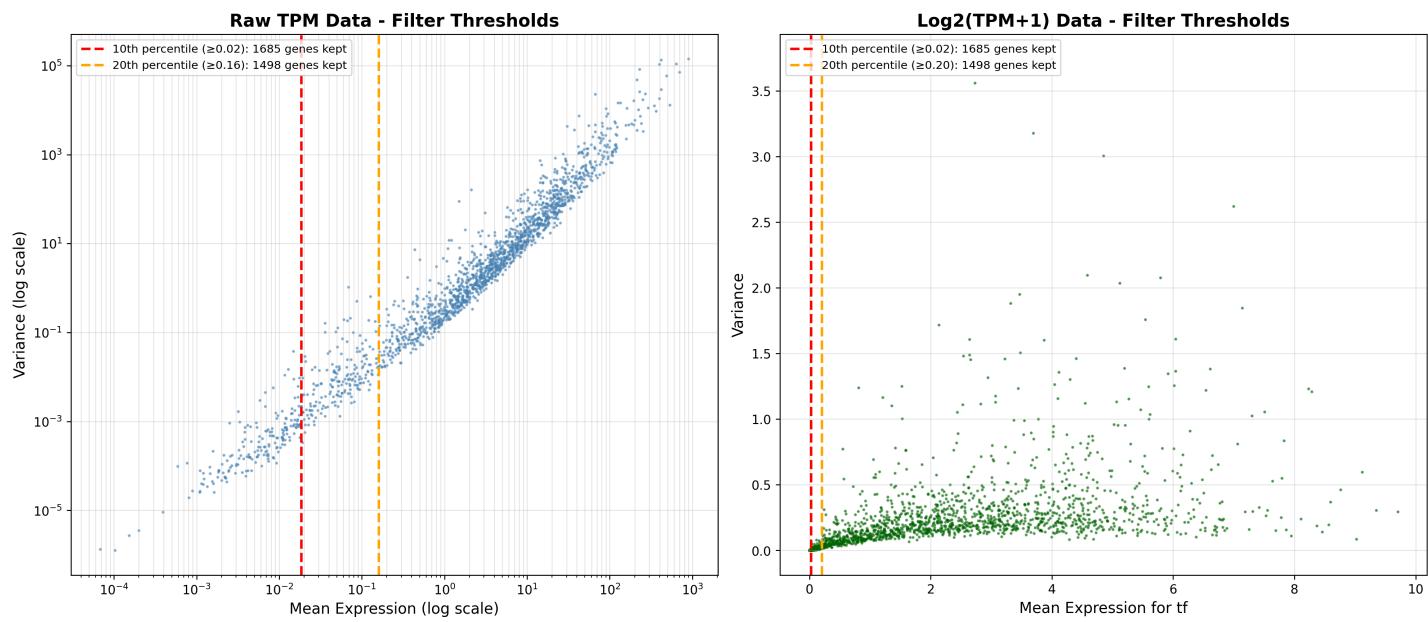


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



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

## Mean Variance



## Highly Expressed

gene	mean	std	min	max
RPL35	897.020493	377.410723	230.74300	3109.580
NFE2L1	699.246213	265.968951	165.74500	1900.380
PKM	634.925872	331.678490	86.16670	1930.460
YBX1	530.857474	113.825629	274.30200	1043.880
TPI1	485.603802	243.277005	70.97280	1609.350
MYF6	419.198572	365.667021	43.22810	2863.630
HADHB	418.826243	170.947249	78.48800	1376.540
BCL6	399.333592	329.334021	32.84590	2341.100
RPS4X	397.340626	134.492175	158.66400	1318.030
YWHAE	362.509801	97.733741	149.04500	756.961
ATF4	345.136373	112.342330	151.43900	954.107
RPS10	291.716714	105.936676	81.88570	827.925
SMPX	269.837848	152.030623	23.67450	775.615
PRDX5	252.356894	58.006490	95.35590	635.036
GOT1	250.610256	130.948887	31.24690	1424.180
RPL6	240.770814	71.035599	106.19000	677.326
UGP2	232.697618	85.653463	78.71330	704.263
BHLHE40	228.788235	161.271594	13.75160	1250.670
GADD45A	228.604398	288.162933	6.97059	2596.830
DUSP26	222.311136	101.255108	24.25110	622.280

## Lowly Expressed

gene	mean	std	min	max
FOXR2	0.001138	0.006334	0.0	0.089080
ZNF735	0.001104	0.008868	0.0	0.126538
IL21	0.001096	0.005186	0.0	0.064146
SSX2	0.001093	0.005073	0.0	0.041099

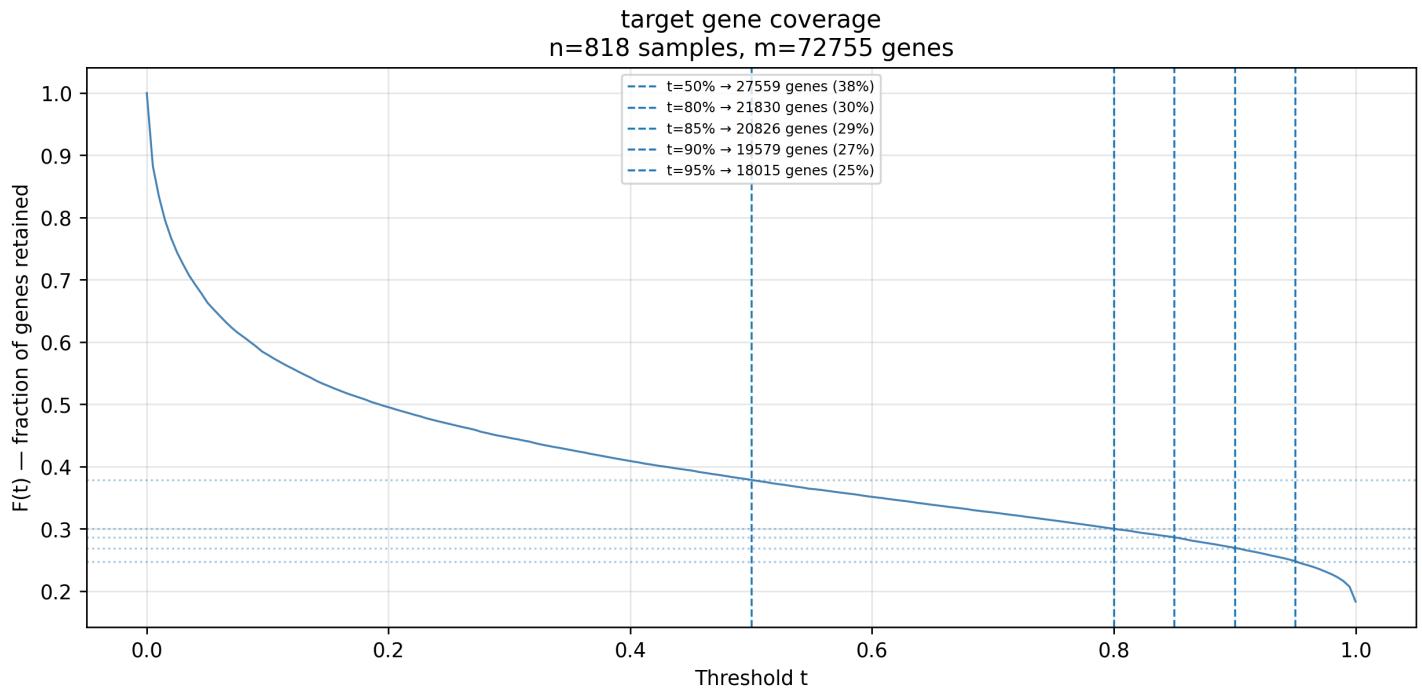
NOBOX	0.000894	0.005273	0.0	0.092748
KLF18	0.000804	0.004409	0.0	0.078760
TGIF2LY	0.000762	0.010820	0.0	0.244188
ZNF705CP	0.000588	0.009934	0.0	0.252149
ZNF355P	0.000392	0.003026	0.0	0.046146
HSFY2	0.000200	0.001873	0.0	0.025573
ZNF705D	0.000152	0.001652	0.0	0.023317
HSFY1	0.000103	0.001121	0.0	0.014339
DUX4	0.000068	0.001161	0.0	0.023827
ZBED1	0.000000	0.000000	0.0	0.000000
PPP2R3B	0.000000	0.000000	0.0	0.000000
ZNF658B	0.000000	0.000000	0.0	0.000000
ZNF702P	0.000000	0.000000	0.0	0.000000
ZNF826P	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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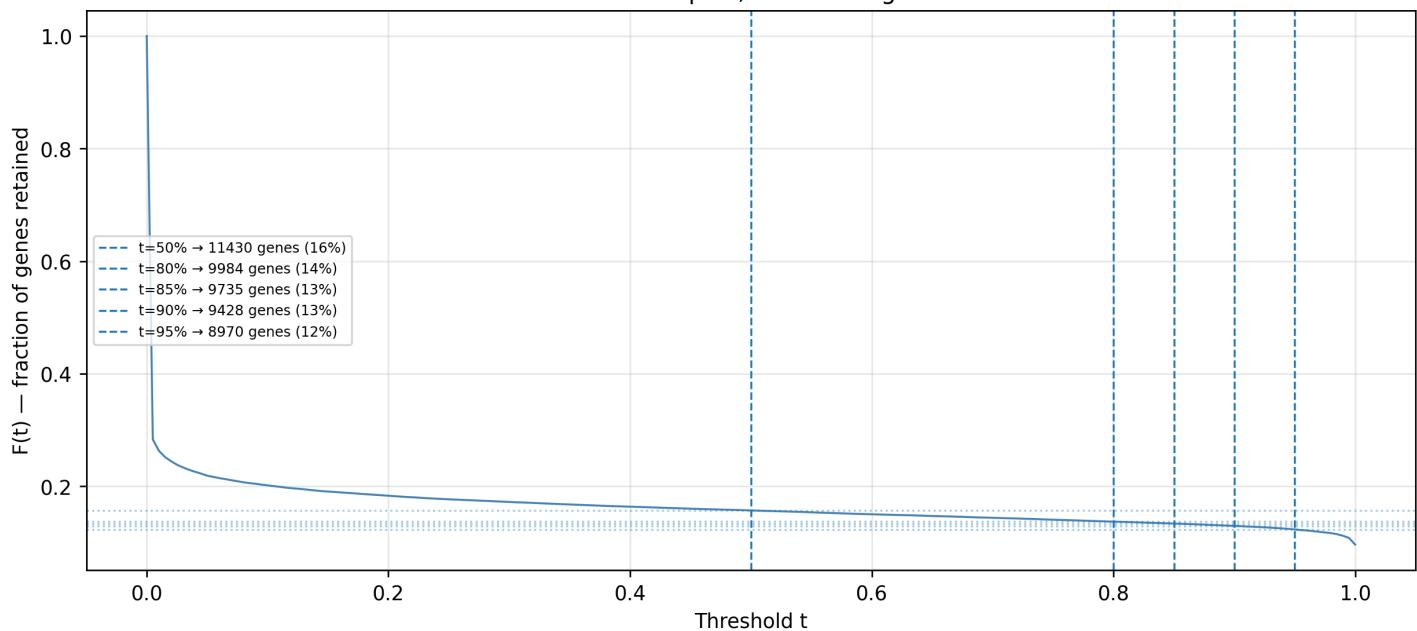
## Target Gene Stats

### Sparsity

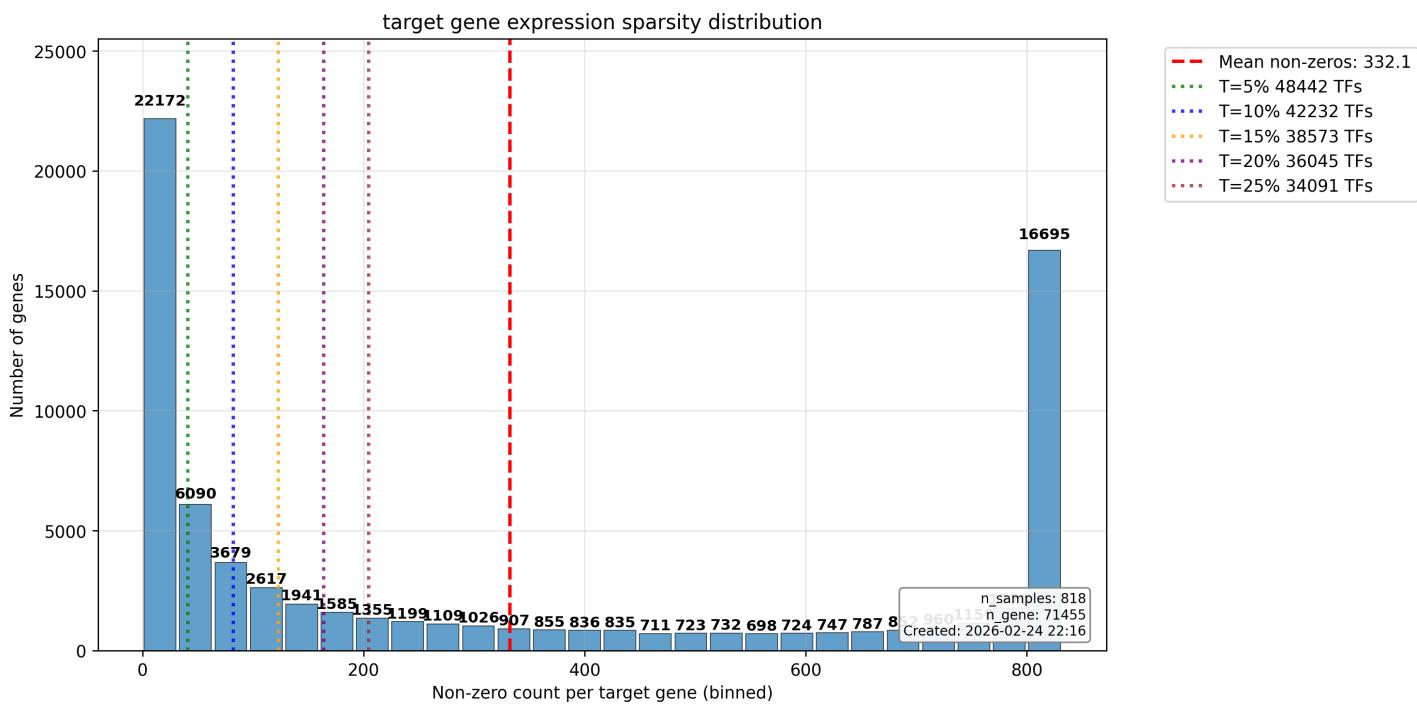


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

target gene coverage  
n=818 samples, m=72755 genes

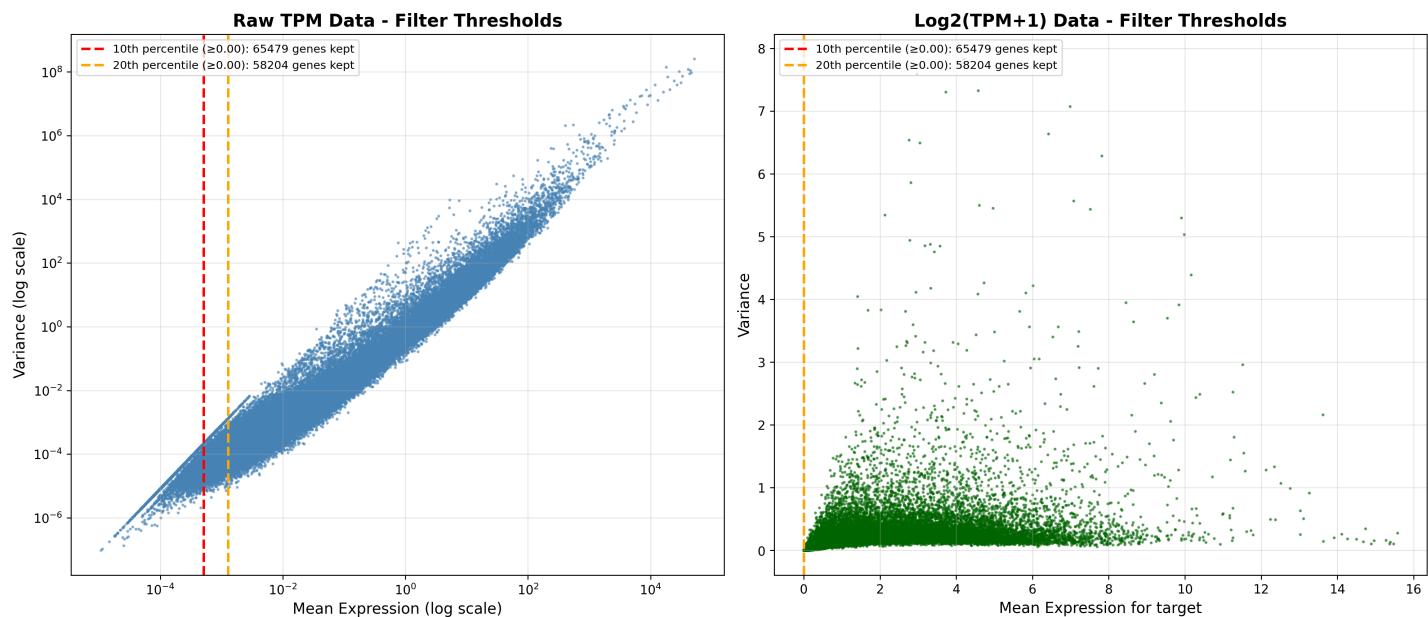


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



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

## Mean Variance



## Highly Expressed

gene	mean	std	min	max
MT-CO1	51771.255856	16076.696438	7120.3800	105092.0
MT-ATP6	46448.051956	9827.078535	16806.1000	83193.4
MT-CO3	44254.122372	10643.972902	11387.9000	99784.6
MT-ND4	43403.196944	9351.351810	11818.1000	83440.5
MT-CO2	41229.867115	11046.485242	14039.6000	87773.9
MT-ND1	33107.314914	8594.802588	10064.3000	63608.3
MT-CYB	31127.412714	6766.516453	10997.1000	55233.1
CKM	29263.423533	10114.229099	2957.6100	62431.8
MT-ATP8	27073.357995	6312.160086	1403.5300	51959.6
MT-ND2	24207.282127	7225.693235	8581.3900	54641.3
MT-ND4L	20437.489927	5301.008270	1148.4800	43204.4
MT-RNR2	19000.142274	8372.377104	6314.2700	99096.9
ACTA1	17932.432205	11866.370734	60.5635	52808.4
MT-ND3	16149.170379	4836.237633	2874.9800	37876.2
DES	13145.120795	3575.440172	5531.3800	27309.4
MT-ND6	11796.695636	6287.618777	1315.3200	44859.5
MT-ND5	9874.620006	4287.806828	948.1950	29336.5
MB	9434.146020	4169.570040	326.2540	23464.4
GAPDH	8858.991883	3064.974977	2743.8500	22690.8
TNNC2	8506.392732	5244.116981	378.4040	37447.6

## Lowly Expressed

gene	mean	std	min	max
GAPDH56	0.0	0.0	0.0	0.0
RNU1-107P	0.0	0.0	0.0	0.0
IGHD7-27	0.0	0.0	0.0	0.0
CLUHP2	0.0	0.0	0.0	0.0

LINC01115	0.0	0.0	0.0	0.0
ENSG00000248621	0.0	0.0	0.0	0.0
RN7SKP218	0.0	0.0	0.0	0.0
ENSG00000290819	0.0	0.0	0.0	0.0
ENSG00000294455	0.0	0.0	0.0	0.0
ENSG00000257224	0.0	0.0	0.0	0.0
RNU6-281P	0.0	0.0	0.0	0.0
ENSG00000294941	0.0	0.0	0.0	0.0
ENSG00000299318	0.0	0.0	0.0	0.0
ENSG00000232834	0.0	0.0	0.0	0.0
MIR2052	0.0	0.0	0.0	0.0
MIR888	0.0	0.0	0.0	0.0
RNU7-193P	0.0	0.0	0.0	0.0
MIR4465	0.0	0.0	0.0	0.0
THEM7P	0.0	0.0	0.0	0.0
PTP4A1P5	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, FM06P, RNA55P498, 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  
 CYP42ZP, FAM74A4, STRCP1, LRRK37A11P, 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, ASN1P1, SNORD42, PPIEL, CD99P1, KRT18P53, AACSP1, SPATA13, IL3RA, MRPS31P5  
 SDHAP3, CEP170P1, KRT87P, RAB6C-AS1, LINC02968, AMD1P2, BMS1P14, ABCA11P, ABCC6P2, ASMT  
 INTS4P1, TXLNGY, AOC4P, ELOC2P24, 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