

# Gene Expression Report

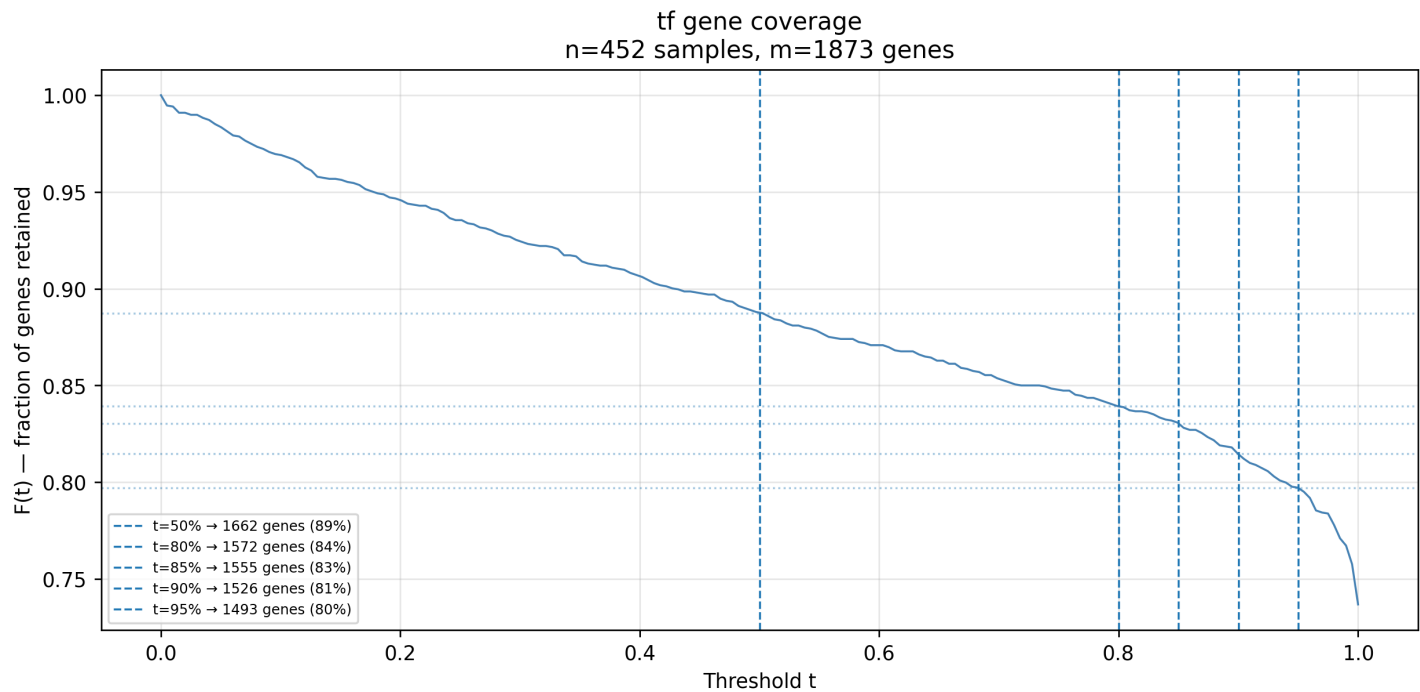
Source: Gene TPMs for Heart - Left Ventricle  
Downloaded: 2026-02-17 01:49:47.707138  
Generated: 2026-02-24 22:17

## Basic Stats

Samples: 452 | Genes: 74628 | TF: 1866 | Targets: 71455

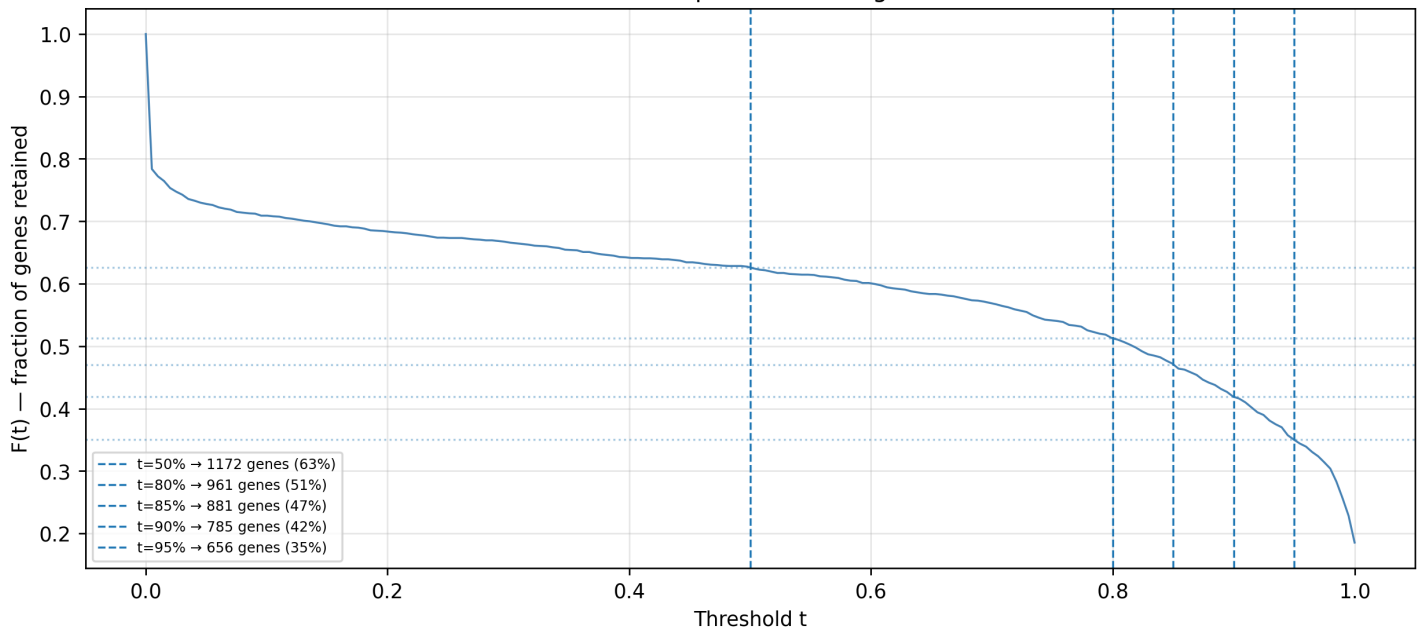
## TF Stats

### Sparsity



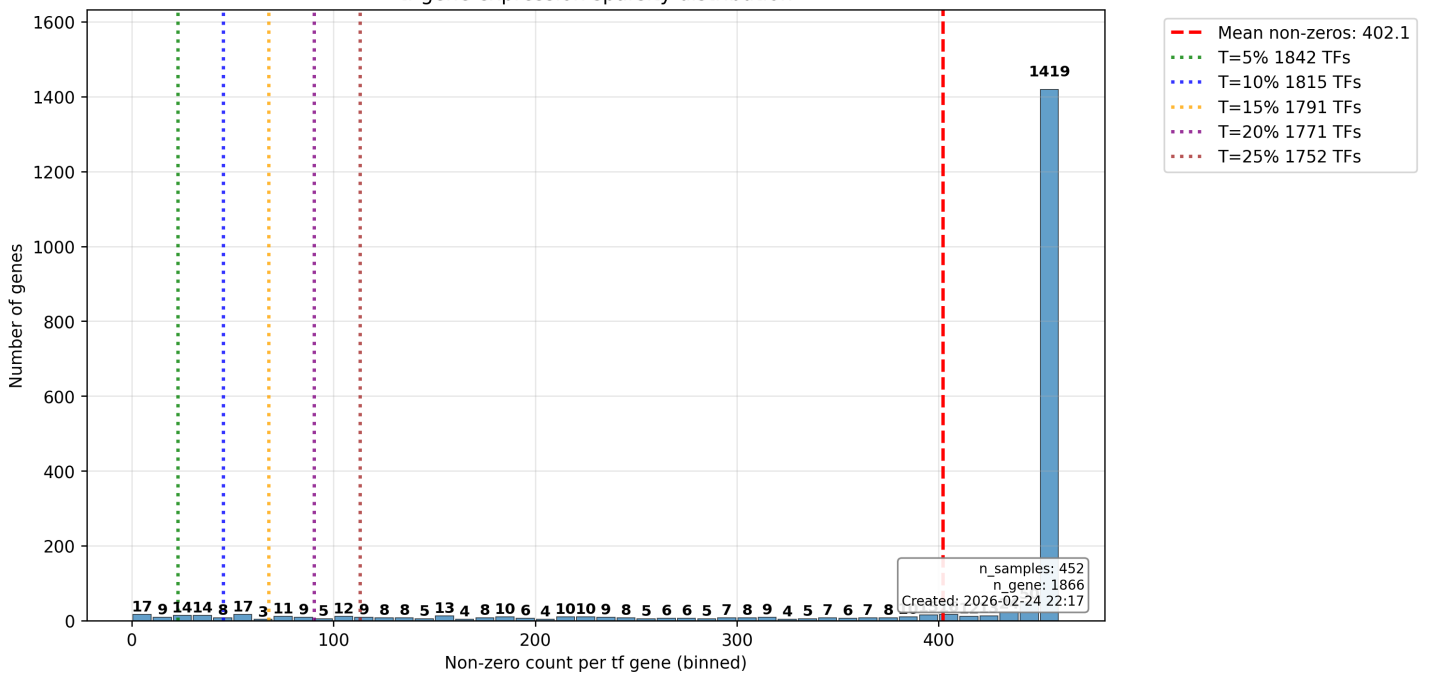
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

tf gene coverage  
n=452 samples, m=1873 genes



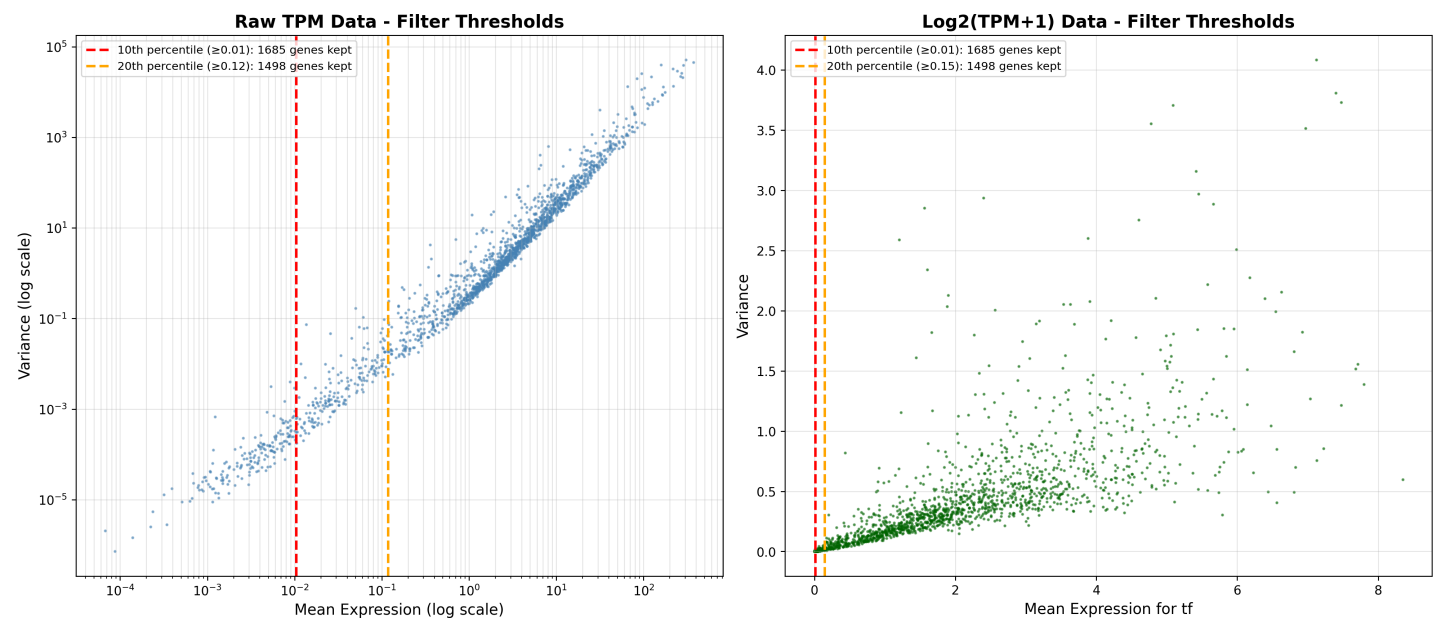
Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1

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
RPL35	373.517130	212.815418	62.28400	1519.220
HADHB	306.627500	227.266406	3.02660	1059.570
GOT1	287.261768	198.225546	1.73036	778.925
PRDX5	279.839114	144.925199	11.72470	840.040
PKM	272.602486	161.540014	10.08290	1184.340
TPI1	264.205856	149.221460	10.46770	1001.950
SMPX	243.186622	171.594600	1.24940	786.849
YBX1	219.984828	116.449758	14.02430	637.959
FHL2	217.348888	180.437177	1.60774	1120.010
RPS4X	176.831173	99.270369	14.46820	878.334
NFE2L1	167.820299	113.712424	8.12313	595.260
YWHAE	164.408217	92.760423	10.55830	522.245
RPS10	163.322430	94.262390	19.37930	832.260
HSPA5	159.457334	199.854092	4.99378	1653.240
SOD1	146.014242	79.486541	5.13646	378.625
ATF4	132.430906	84.123935	18.38130	725.593
SUCLG1	126.749350	72.585810	3.49967	300.938
TAGLN2	126.088426	77.196591	28.37540	654.782
JUNB	123.142746	147.194518	3.45389	1139.680
NKX2-5	115.478863	71.890415	0.98211	353.615

## Lowly Expressed

gene	mean	std	min	max
TGIF2LX	0.000680	0.006194	0.0	0.081610
SOX14	0.000666	0.003262	0.0	0.026827
PRDM9	0.000631	0.003040	0.0	0.034600
SSX2	0.000511	0.002995	0.0	0.030021

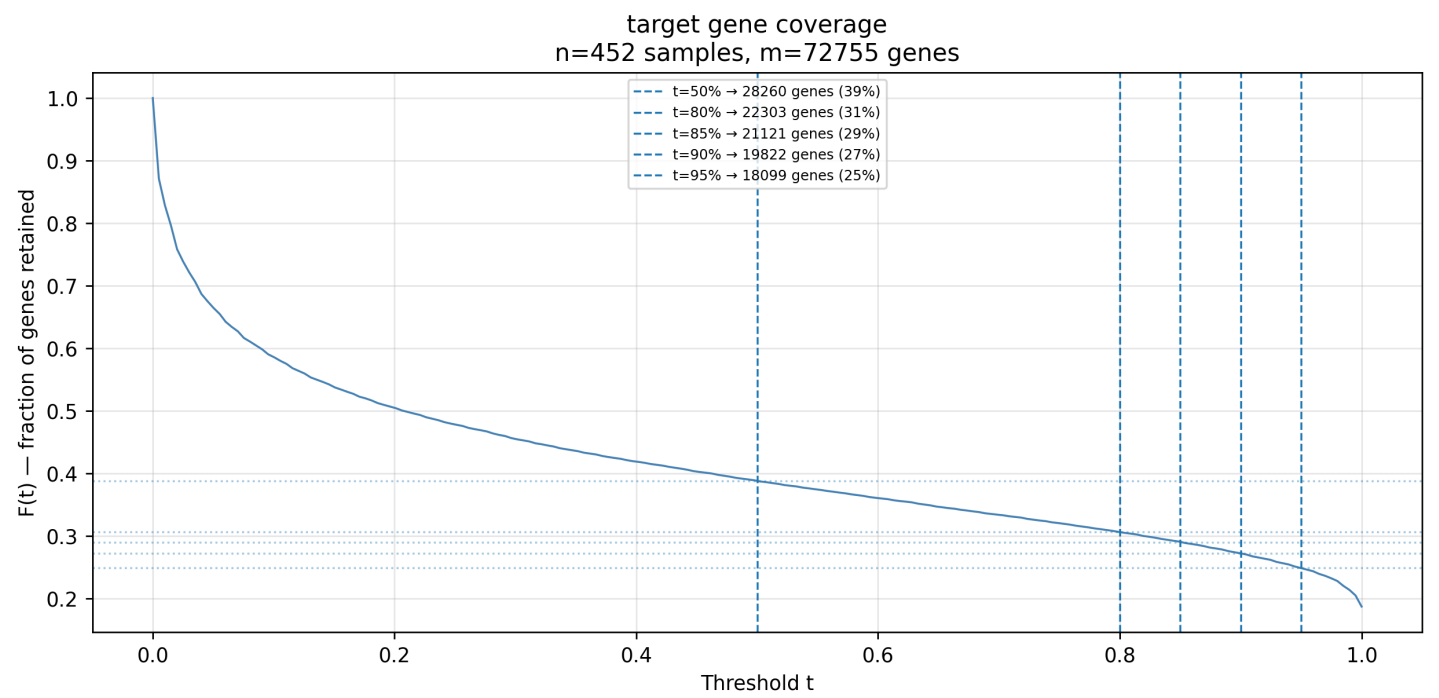
TGIF2LY	0.000390	0.004203	0.0	0.070989
KLF18	0.000343	0.001676	0.0	0.014090
ZNF705CP	0.000319	0.003584	0.0	0.053476
ZNF355P	0.000236	0.002343	0.0	0.037942
ZNF705G	0.000222	0.001584	0.0	0.016947
HSFY2	0.000138	0.001209	0.0	0.012401
ZNF705D	0.000087	0.000848	0.0	0.009960
DUX4	0.000068	0.001435	0.0	0.030515
ZNF702P	0.000000	0.000000	0.0	0.000000
ZNF658B	0.000000	0.000000	0.0	0.000000
HSFY1	0.000000	0.000000	0.0	0.000000
ZNF826P	0.000000	0.000000	0.0	0.000000
GTPBP6	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
ZBED1	0.000000	0.000000	0.0	0.000000

Duplicates

ZBED1	GTPBP6	ZNF781	SHOX	ZNF702P	ZNF658B	PPP2R3B	
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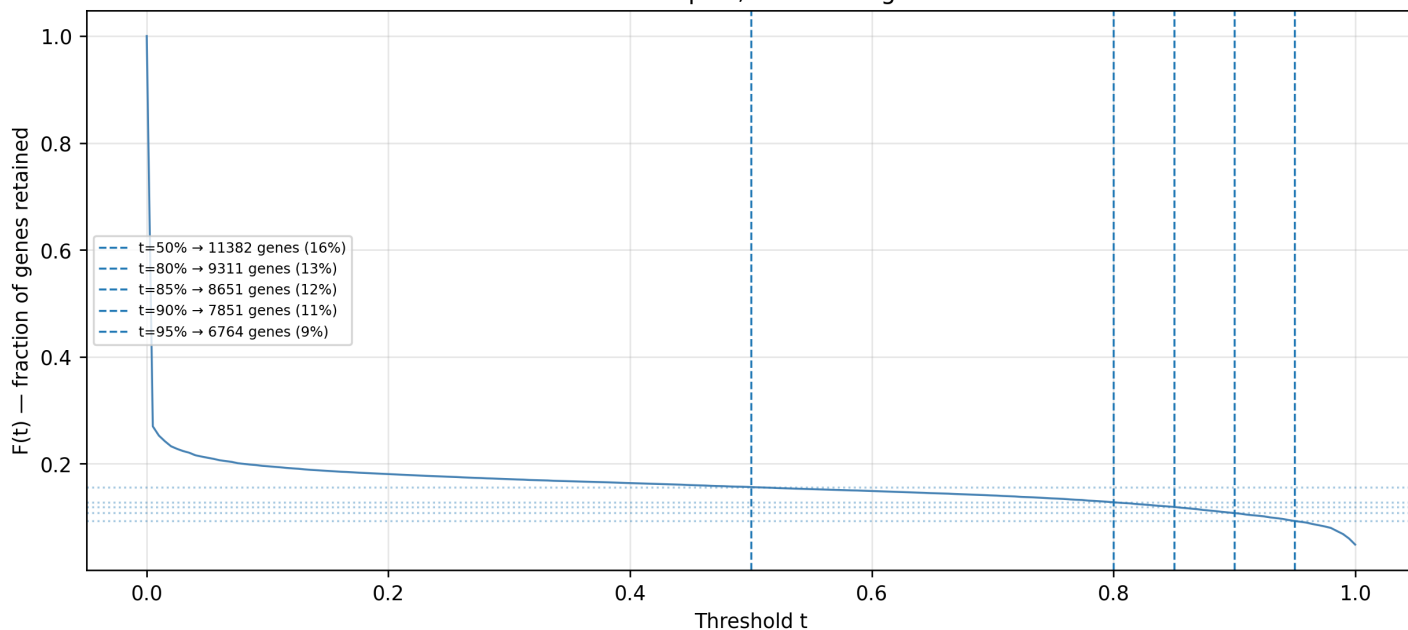
Target Gene Stats

Sparsity

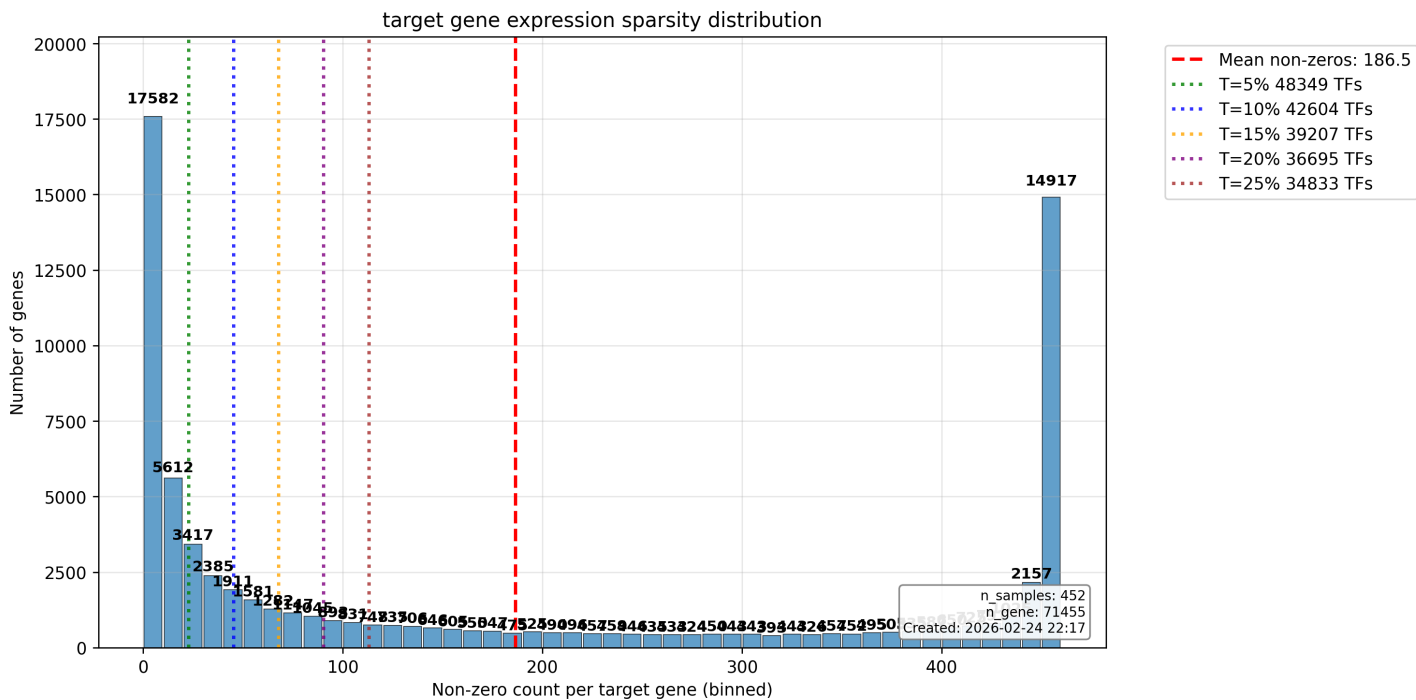


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 0

target gene coverage  
n=452 samples, m=72755 genes

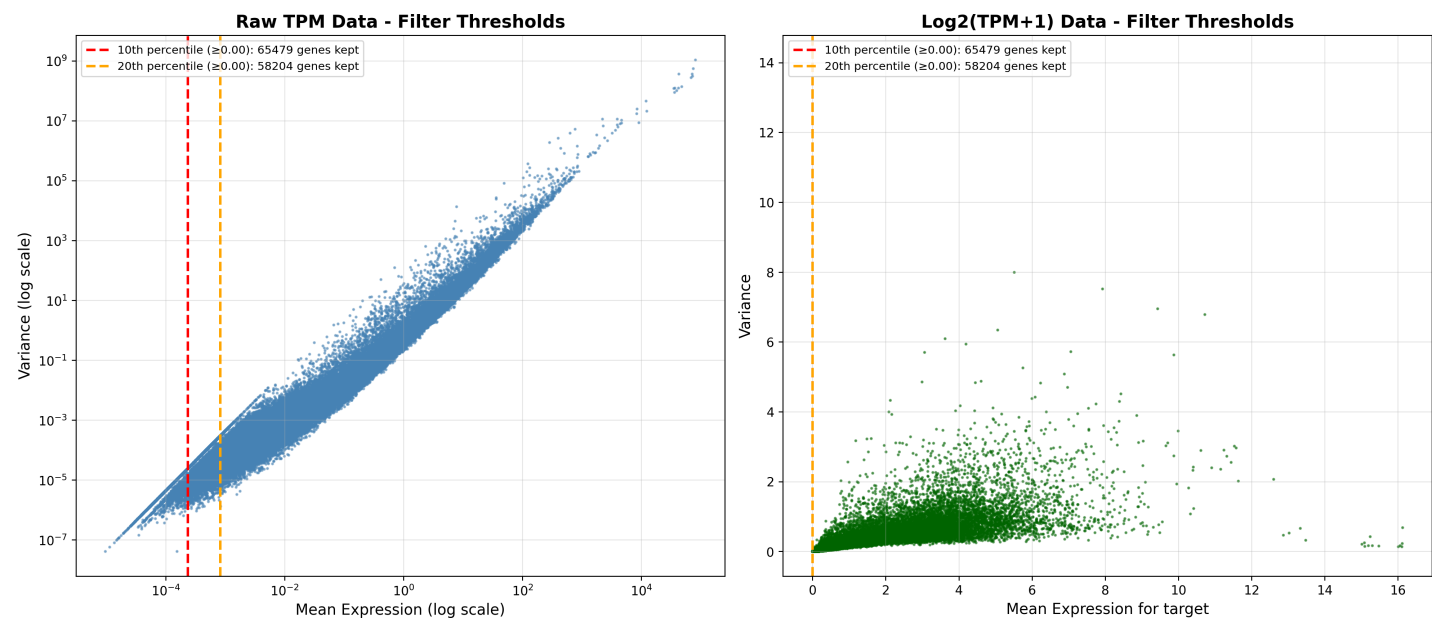


Coverage of gene as a function of coverage threshold. Coverage is expression value greater than 1



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

## Mean Variance



## Highly Expressed

gene	mean	std	min	max
MT-CO1	81133.096239	33125.485537	6260.8700	166984.0
MT-CO3	74595.793142	23825.911735	12613.2000	173064.0
MT-ATP6	72507.956416	17705.321304	17539.8000	118900.0
MT-ND4	70713.453319	19276.751993	20529.6000	129835.0
MT-CO2	68175.140929	16737.197787	17982.6000	126563.0
MT-CYB	47199.763319	11909.165339	7463.7200	90039.7
MT-RNR2	42722.690310	19221.499828	7091.0200	129647.0
MT-ND1	41828.965442	11162.871608	8336.2800	87123.6
MT-ATP8	38857.900730	10213.920358	6732.1300	70274.0
MT-ND4L	36589.895420	11270.010580	4489.9600	64261.1
MT-ND2	36037.858872	9498.524103	9013.6100	73321.1
MT-ND3	34772.608186	11051.726581	11062.9000	71507.2
MT-ND5	12228.664690	4612.496214	2231.8600	28464.7
MT-ND6	12000.505088	6791.773389	1916.1700	37275.3
MTATP6P1	8980.543776	2951.705865	56.9296	23345.9
DES	8469.064460	5011.369288	75.6639	26244.3
MT-RNR1	8346.676947	4204.679245	1530.3300	31959.4
MYH7	4649.651490	3252.918281	28.2308	15321.5
MB	4630.981318	2919.591225	29.9391	16670.2
TNNI3	4393.037271	2850.858466	38.0099	19118.0

## Lowly Expressed

gene	mean	std	min	max
RNU7-186P	0.0	0.0	0.0	0.0
RNU6-1234P	0.0	0.0	0.0	0.0
RN7SL447P	0.0	0.0	0.0	0.0
ENSG00000229286	0.0	0.0	0.0	0.0

ENSG00000294933	0.0	0.0	0.0	0.0
ENSG00000250618	0.0	0.0	0.0	0.0
RNU6-819P	0.0	0.0	0.0	0.0
ENSG00000251195	0.0	0.0	0.0	0.0
ENSG00000288330	0.0	0.0	0.0	0.0
ENSG00000276556	0.0	0.0	0.0	0.0
RNU6-131P	0.0	0.0	0.0	0.0
ENSG00000301882	0.0	0.0	0.0	0.0
ENSG00000271774	0.0	0.0	0.0	0.0
ENSG00000201465	0.0	0.0	0.0	0.0
RNU6-728P	0.0	0.0	0.0	0.0
RNA5SP142	0.0	0.0	0.0	0.0
RNU6-441P	0.0	0.0	0.0	0.0
RNU2-9P	0.0	0.0	0.0	0.0
ENSG00000238764	0.0	0.0	0.0	0.0
MIR548A2	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