

MISSION[®] Target ID Library

Content by deep sequencing

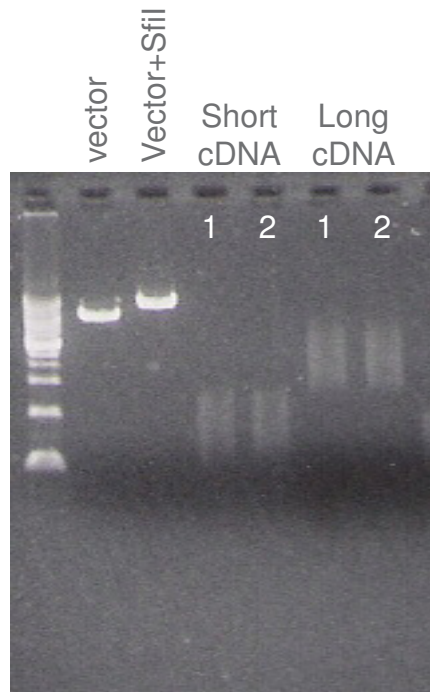
Parameter	Count	Percentage
Raw reads	54,142,265	100
Vector reads	45,689,707	84
cDNA insert reads	5,818,686	11
Nonaligned reads	1,124,218	2
Vector with no insert reads	43,166	0.08
rRNA inserts	13,136	0.2*
Unique genes	16,922	79**
Unique genes with >10 reads	14,268	66**

* Relative to 5,818,686 cDNA insert reads

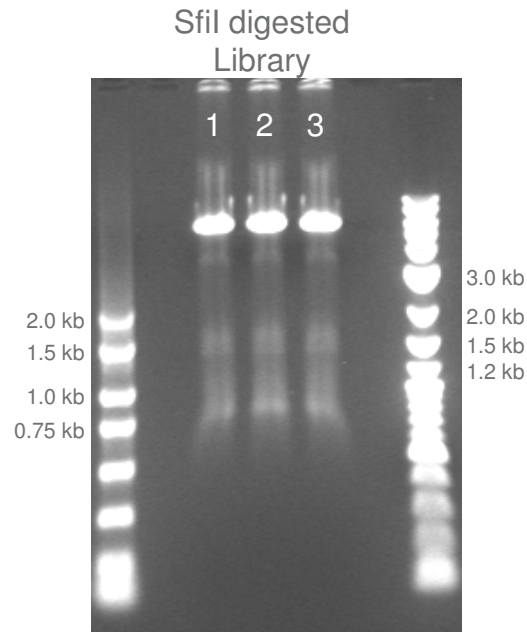
** Relative to 21,518 unique human genes represented in NCBI RefSeq, <http://www.ncbi.nlm.nih.gov/RefSeq/>

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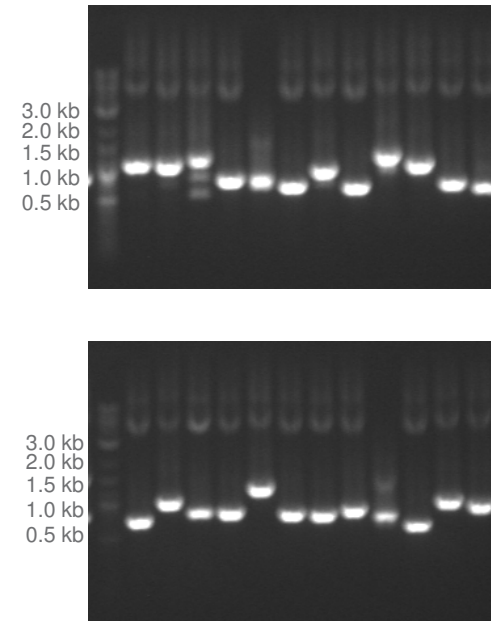
Size selection



Long (>1.5kb) & short (0.4 to 1.5kb) cDNA cloned separately.



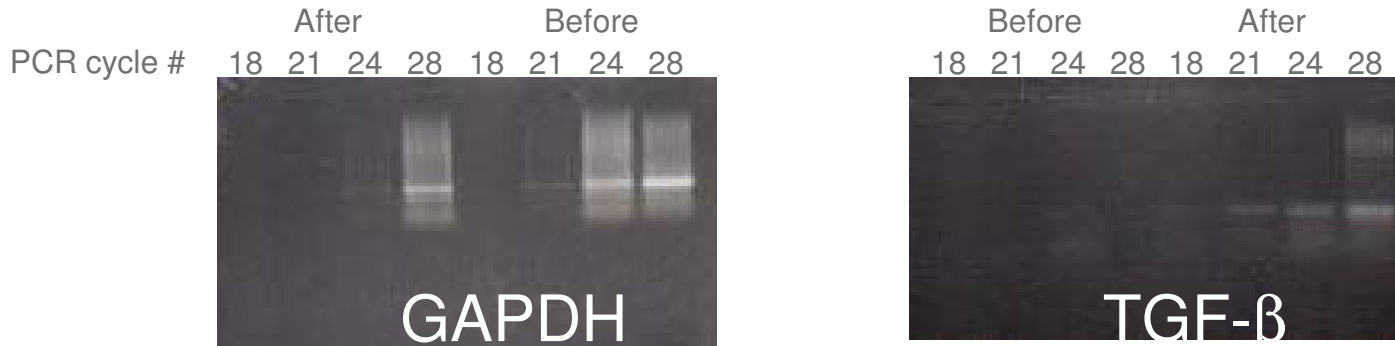
Average cDNA in Library ~1.2 kb



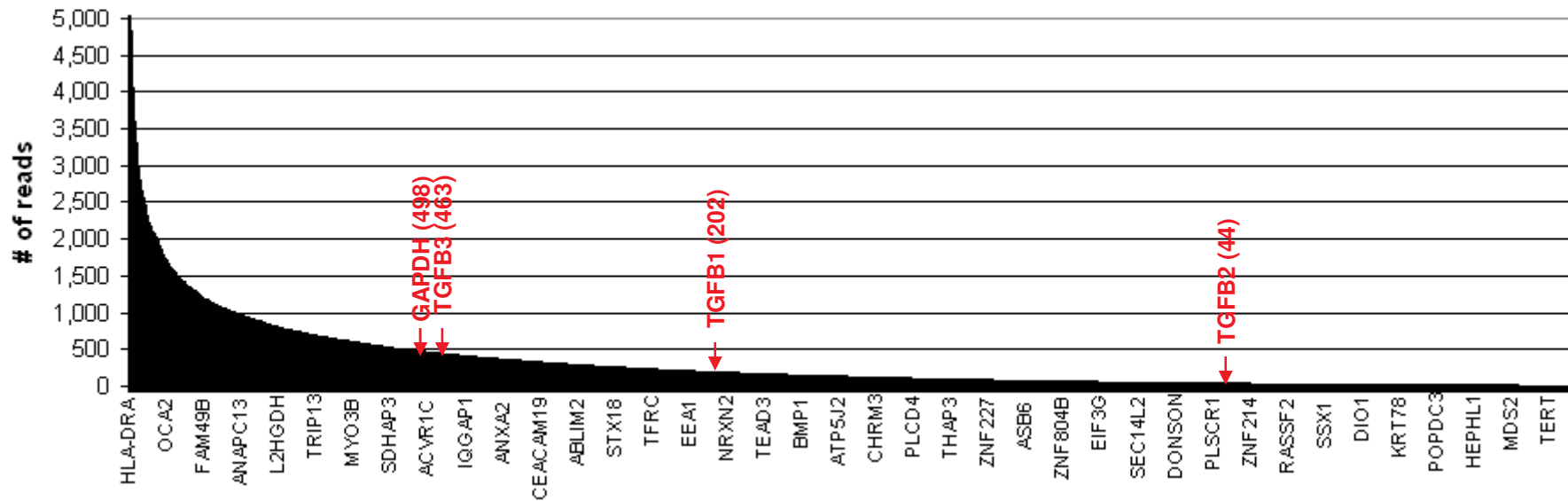
192 individual cDNA clones sized by PCR with flanking primers

E. coli transformed & amplified in semi-solid agarose.

MISSION[®] Target ID Library - Normalization



Abundant mRNA reduced ~8-fold, rare mRNA enriched $\geq 1,000$ -fold



Deep sequencing results consistent with normalization