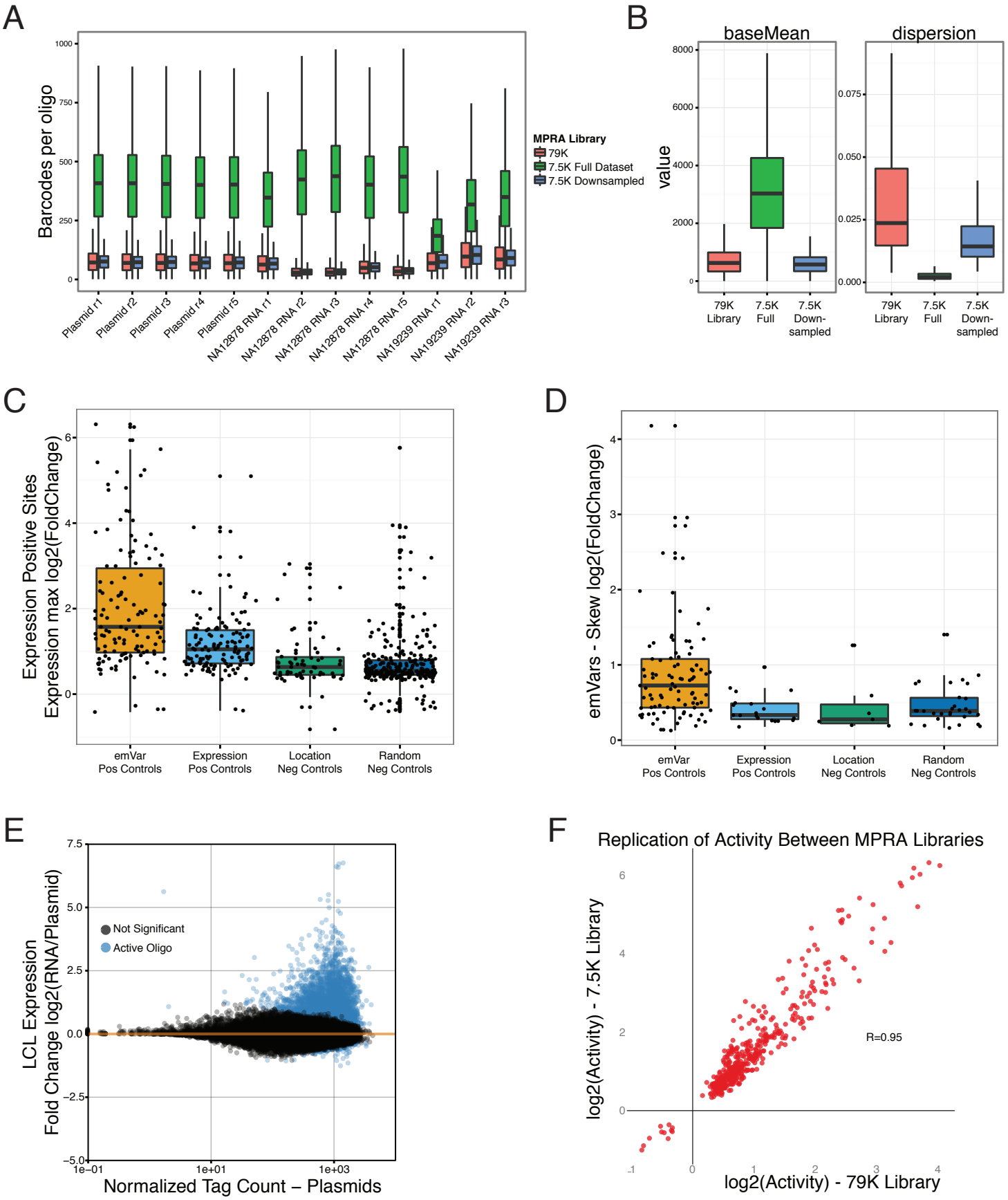
Figure S3


A
Barcodes per oligo
1000
750
500
250
0
Plasmid r1
Plasmid r2
Plasmid r3
Plasmid r4
Plasmid r5
NA12878 RNA r1
NA12878 RNA r2
NA12878 RNA r3
NA12878 RNA r4
NA12878 RNA r5
NA19239 RNA r1
NA19239 RNA r2
NA19239 RNA r3
MPRA Library
79K
7.5K Full Dataset
7.5K Downsampled
B
baseMean
dispersion
value
8000
6000
4000
2000
0
0.075
0.050
0.025
0.000
79K Library
7.5K Full
7.5K Down-sampled
C
Expression Positive Sites
Expression max log2(FoldChange)
6
4
2
0
emVar Pos Controls
Expression Pos Controls
Location Neg Controls
Random Neg Controls
D
emVars - Skew log2(FoldChange)
4
3
2
1
0
emVar Pos Controls
Expression Pos Controls
Location Neg Controls
Random Neg Controls
E
LCL Expression
Fold Change log2(RNA/Plasmid)
7.5
5.0
2.5
0.0
−2.5
−5.0
Not Significant
Active Oligo
1e−01
1e+01
1e+03
Normalized Tag Count – Plasmids
F
Replication of Activity Between MPRA Libraries
log2(Activity) - 7.5K Library
6
4
2
0
R=0.95
-1
0
1
2
3
4
log2(Activity) - 79K Library