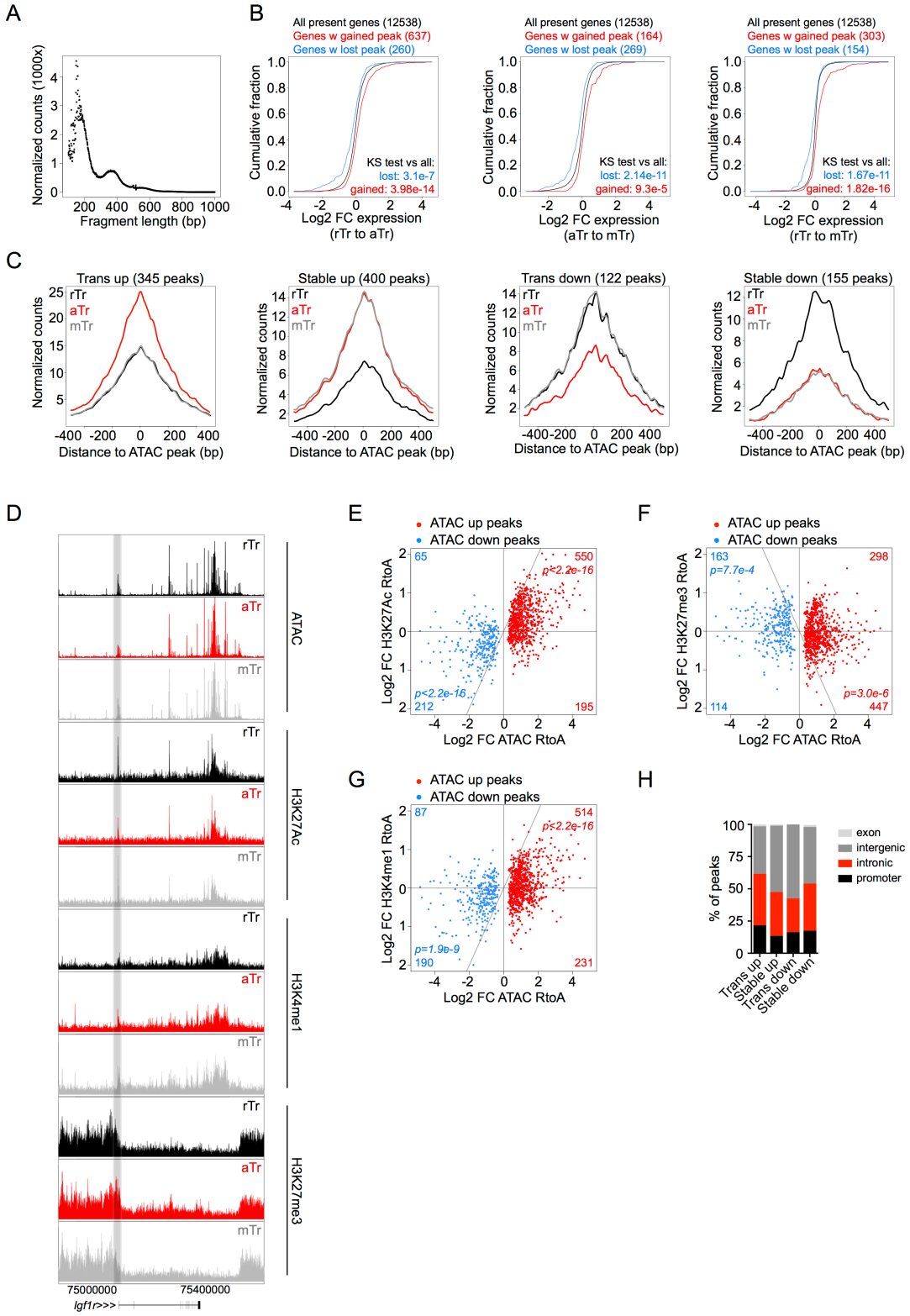
SUP FIG 3


A
Normalized counts (1000x)
Fragment length (bp)
B
All present genes (12538)
Genes w gained peak (637)
Genes w lost peak (260)
Cumulative fraction
KS test vs all:
lost: 3.1e-7
gained: 3.98e-14
Log2 FC expression
(rTr to aTr)
All present genes (12538)
Genes w gained peak (164)
Genes w lost peak (269)
KS test vs all:
lost: 2.14e-11
gained: 9.3e-5
Log2 FC expression
(aTr to mTr)
All present genes (12538)
Genes w gained peak (303)
Genes w lost peak (154)
KS test vs all:
lost: 1.67e-11
gained: 1.82e-16
Log2 FC expression
(rTr to mTr)
C
Trans up (345 peaks)
Stable up (400 peaks)
Trans down (122 peaks)
Stable down (155 peaks)
rTr
aTr
mTr
Normalized counts
Distance to ATAC peak (bp)
D
rTr
aTr
mTr
ATAC
H3K27Ac
H3K4me1
H3K27me3
75000000
75400000
Igf1r>>>
E
ATAC up peaks
ATAC down peaks
Log2 FC H3K27Ac RtoA
Log2 FC ATAC RtoA
65
550
p<2.2e-16
212
195
p<2.2e-16
F
ATAC up peaks
ATAC down peaks
Log2 FC H3K27me3 RtoA
Log2 FC ATAC RtoA
163
298
p=7.7e-4
114
447
p=3.0e-6
G
ATAC up peaks
ATAC down peaks
Log2 FC H3K4me1 RtoA
Log2 FC ATAC RtoA
87
514
p<2.2e-16
190
231
p=1.9e-9
H
% of peaks
exon
intergenic
intronic
promoter
Trans up
Stable up
Trans down
Stable down