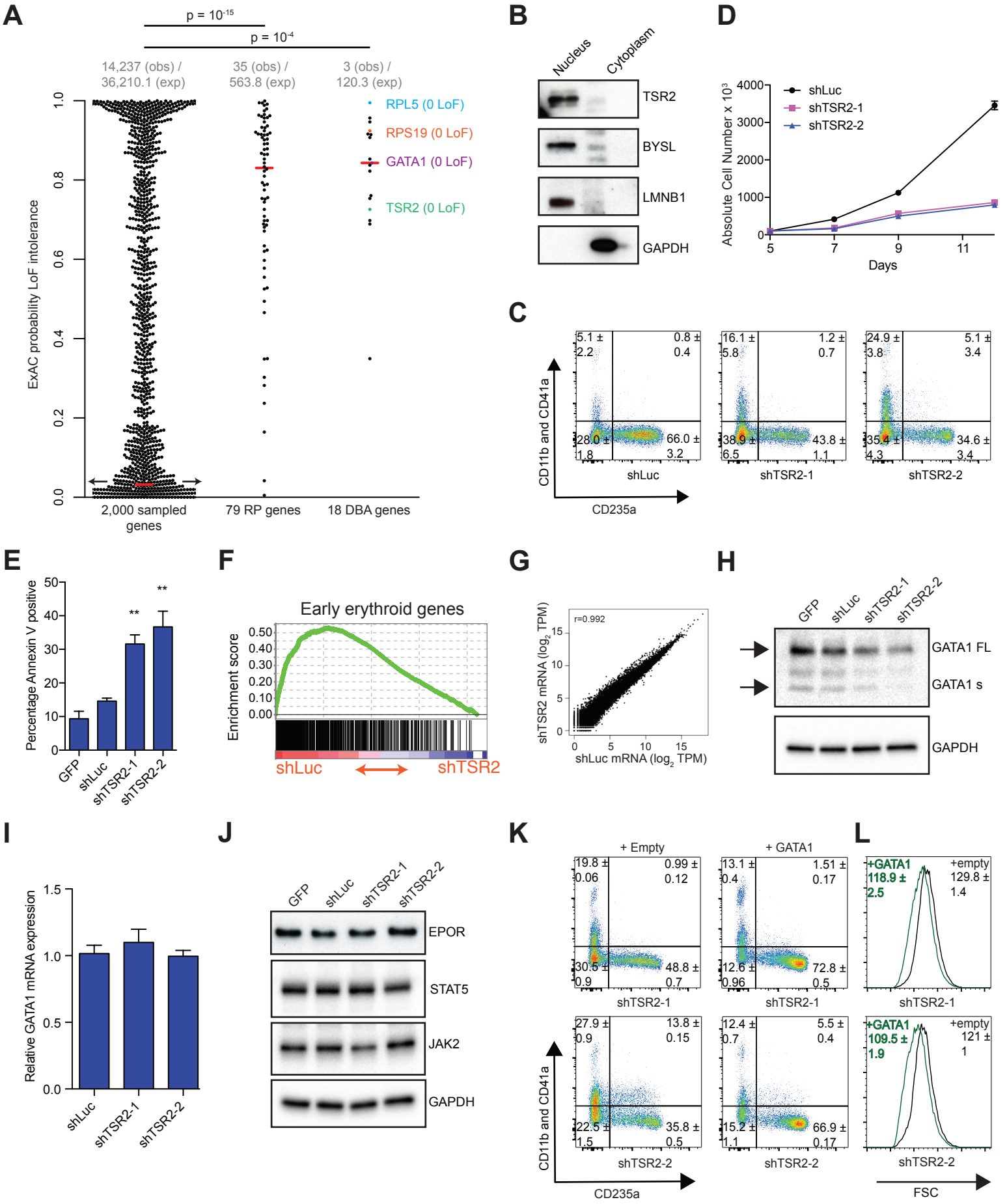
Figure S1


A
p = 10^-15
p = 10^-4
14,237 (obs) / 36,210.1 (exp)
35 (obs) / 563.8 (exp)
3 (obs) / 120.3 (exp)
RPL5 (0 LoF)
RPS19 (0 LoF)
GATA1 (0 LoF)
TSR2 (0 LoF)
ExAC probability LoF intolerance
2,000 sampled genes
79 RP genes
18 DBA genes
B
Nucleus
Cytoplasm
TSR2
BYSL
LMNB1
GAPDH
D
shLuc
shTSR2-1
shTSR2-2
Absolute Cell Number x 10^3
Days
C
CD11b and CD41a
CD235a
shLuc
shTSR2-1
shTSR2-2
E
Percentage Annexin V positive
GFP
shLuc
shTSR2-1
shTSR2-2
F
Early erythroid genes
Enrichment score
shLuc
shTSR2
G
r=0.992
shTSR2 mRNA (log2 TPM)
shLuc mRNA (log2 TPM)
H
GFP
shLuc
shTSR2-1
shTSR2-2
GATA1 FL
GATA1 s
GAPDH
I
Relative GATA1 mRNA expression
shLuc
shTSR2-1
shTSR2-2
J
GFP
shLuc
shTSR2-1
shTSR2-2
EPOR
STAT5
JAK2
GAPDH
K
+ Empty
+ GATA1
shTSR2-1
shTSR2-2
CD11b and CD41a
CD235a
L
+GATA1
+empty
shTSR2-1
shTSR2-2
FSC