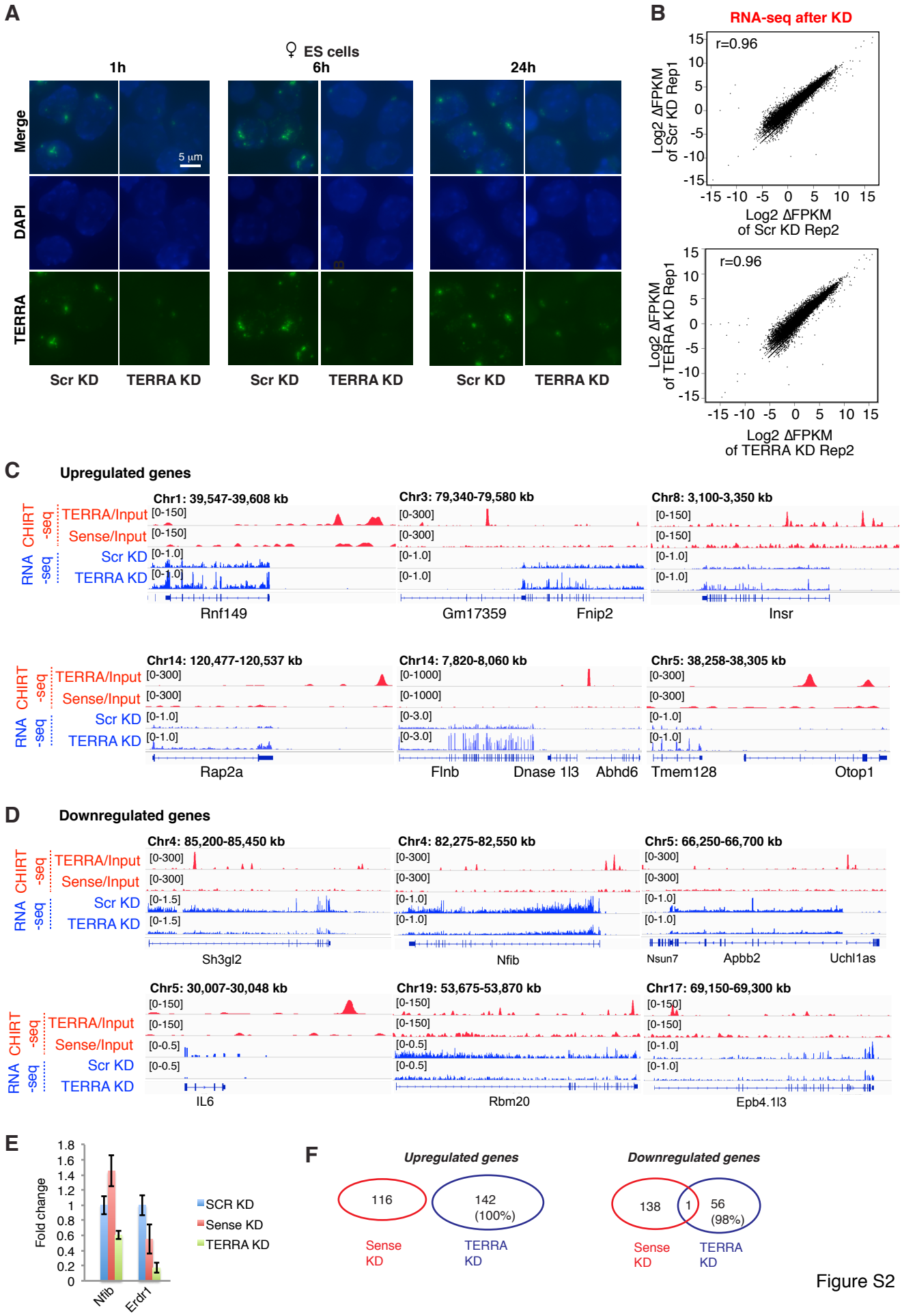
A
♀ ES cells
1h
6h
24h
Merge
DAPI
TERRA
5 µm
Scr KD
TERRA KD
B
RNA-seq after KD
r=0.96
Log2 ΔFPKM of Scr KD Rep1
Log2 ΔFPKM of Scr KD Rep2
r=0.96
Log2 ΔFPKM of TERRA KD Rep1
Log2 ΔFPKM of TERRA KD Rep2
C
Upregulated genes
Chr1: 39,547-39,608 kb
Chr3: 79,340-79,580 kb
Chr8: 3,100-3,350 kb
CHIRT -seq
RNA -seq
TERRA/Input
Sense/Input
Scr KD
TERRA KD
Rnf149
Gm17359
Fnip2
Insr
Chr14: 120,477-120,537 kb
Chr14: 7,820-8,060 kb
Chr5: 38,258-38,305 kb
Rap2a
Flnb
Dnase 1l3
Abhd6
Tmem128
Otop1
D
Downregulated genes
Chr4: 85,200-85,450 kb
Chr4: 82,275-82,550 kb
Chr5: 66,250-66,700 kb
Sh3gl2
Nfib
Nsun7
Apbb2
Uchl1as
Chr5: 30,007-30,048 kb
Chr19: 53,675-53,870 kb
Chr17: 69,150-69,300 kb
IL6
Rbm20
Epb4.1l3
E
Fold change
SCR KD
Sense KD
TERRA KD
Nfib
Erdr1
F
Upregulated genes
116
142 (100%)
Sense KD
TERRA KD
Downregulated genes
138
1
56 (98%)
Sense KD
TERRA KD

Figure S2