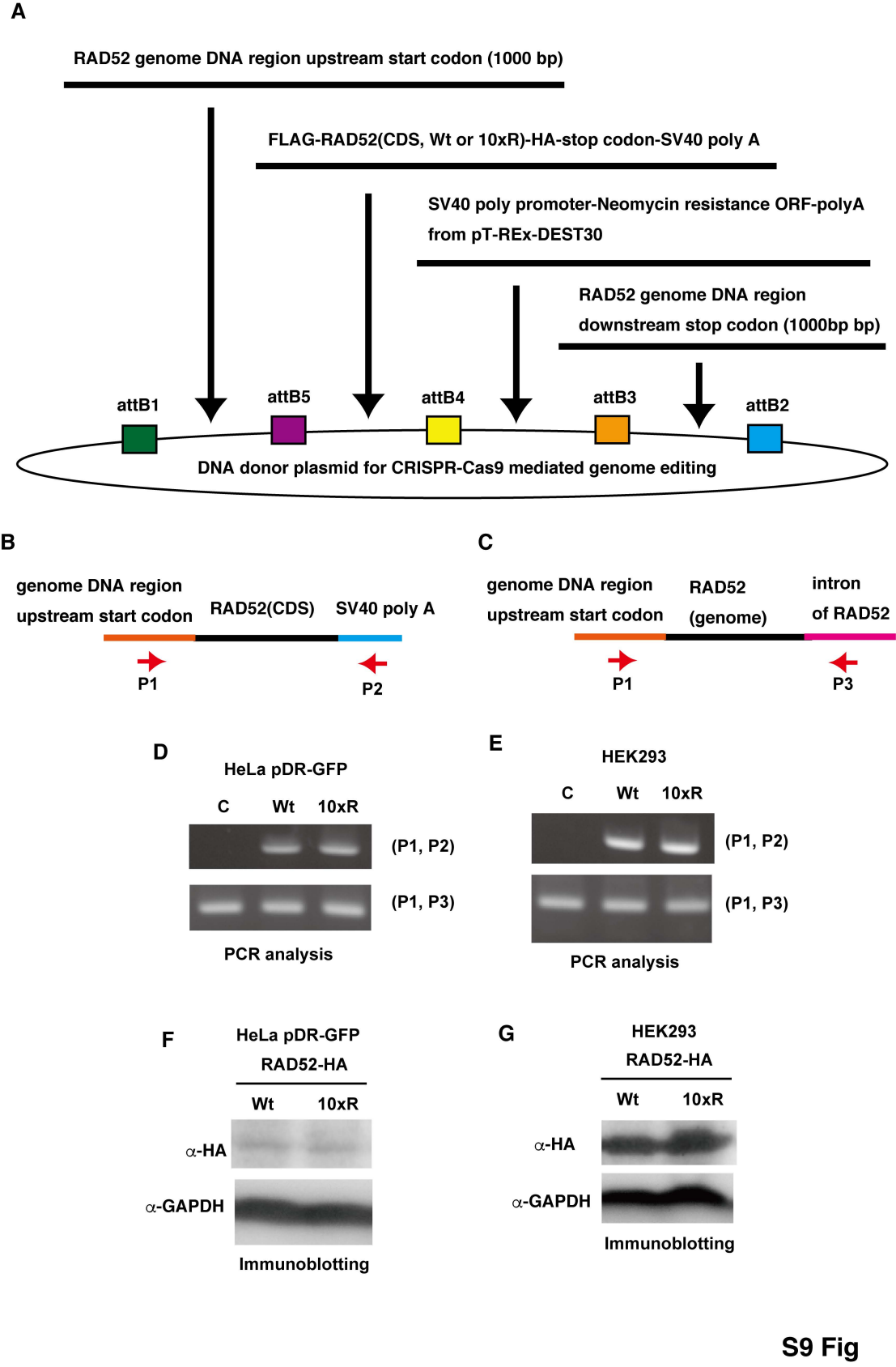
A
RAD52 genome DNA region upstream start codon (1000 bp)
FLAG-RAD52(CDS, Wt or 10xR)-HA-stop codon-SV40 poly A
SV40 poly promoter-Neomycin resistance ORF-polyA
from pT-REx-DEST30
RAD52 genome DNA region
downstream stop codon (1000bp bp)
attB1
attB5
attB4
attB3
attB2
DNA donor plasmid for CRISPR-Cas9 mediated genome editing
B
genome DNA region
upstream start codon
RAD52(CDS)
SV40 poly A
P1
P2
C
genome DNA region
upstream start codon
RAD52
(genome)
intron
of RAD52
P1
P3
D
HeLa pDR-GFP
C
Wt
10xR
(P1, P2)
(P1, P3)
PCR analysis
E
HEK293
C
Wt
10xR
(P1, P2)
(P1, P3)
PCR analysis
F
HeLa pDR-GFP
RAD52-HA
Wt
10xR
α-HA
α-GAPDH
Immunoblotting
G
HEK293
RAD52-HA
Wt
10xR
α-HA
α-GAPDH
Immunoblotting

S9 Fig