

Supplementary information, Table S1 The replication fork travelling distances during the HU treatment in different cells.

Cell line	Treatment	Gap length (μm)
Wild-type ESC	1 mM HU/4 h	6.39
NIH3T3	1 mM HU/4 h	4.35
C2C12	1 mM HU/4 h	4.75
Mouse embryonic fibroblasts	1 mM HU/4 h	4.56
Oct4-GFP ESC	1 mM HU/4 h	6.11
Differentiated progenies of Oct4-GFP ESC	1 mM HU/4 h	4.25
Wild-type ESC	2 mM HU/4 h	5.99
FK-FiliaS349A ESC	2 mM HU/4 h	4.76
<i>Filia</i> KO ESC	2 mM HU/4 h	4.88
FK-Filia ESC	2 mM HU/4 h	5.28
<i>Floped</i> KO ESC	2 mM HU/4 h	4.85
<i>Floped</i> rescue ESC	2 mM HU/4 h	5.29
<i>Filia-Floped</i> double KO ESC	2 mM HU/4 h	4.68
NIH3T3-vector	1 mM HU/4 h	4.46
NIH3T3-Filia	1 mM HU/4 h	4.61
NIH3T3-Floped	1 mM HU/4 h	4.67
NIH3T3-Filia-Floped	1 mM HU/4 h	4.94
FK-FiliaS151A ESC	2 mM HU/4 h	4.88
FK-FiliaS151D ESC	2 mM HU/4 h	5.40
Blm-shRNA1-Dox ESC	2 mM HU/4 h	5.91
Blm-shRNA1+Dox ESC	2 mM HU/4 h	5.24
Blm-shRNA2-Dox ESC	2 mM HU/4 h	5.89
Blm-shRNA2+Dox ESC	2 mM HU/4 h	5.39
Trim25-shRNA1-Dox ESC	2 mM HU/4 h	5.51
Trim25-shRNA1+Dox ESC	2 mM HU/4 h	5.07
Trim25-shRNA2-Dox ESC	2 mM HU/4 h	5.47
Trim25-shRNA2+Dox ESC	2 mM HU/4 h	5.02
Trim25 rescue ESC	2 mM HU/4 h	5.62
Δ RING-Trim25 rescue ESC	2 mM HU/4 h	5.10
Blm rescue ESC	2 mM HU/4 h	5.41
BlmK267R rescue ESC	2 mM HU/4 h	5.05
NIH3T3 Trim25-shRNA1-Dox	1 mM HU/4 h	4.28
NIH3T3 Trim25-shRNA1+Dox	1 mM HU/4 h	4.15
NIH3T3 Trim25 rescue	1 mM HU/4 h	4.34
NIH3T3 Δ RING-Trim25 rescue	1 mM HU/4 h	4.08
NIH3T3-Filia-Floped	1 mM HU/4 h	4.88
Trim25-shRNA1-Dox		
NIH3T3-Filia-Floped	1 mM HU/4 h	4.16
Trim25-shRNA2+Dox		