

Source Data Fig.1

Fig.1a, b

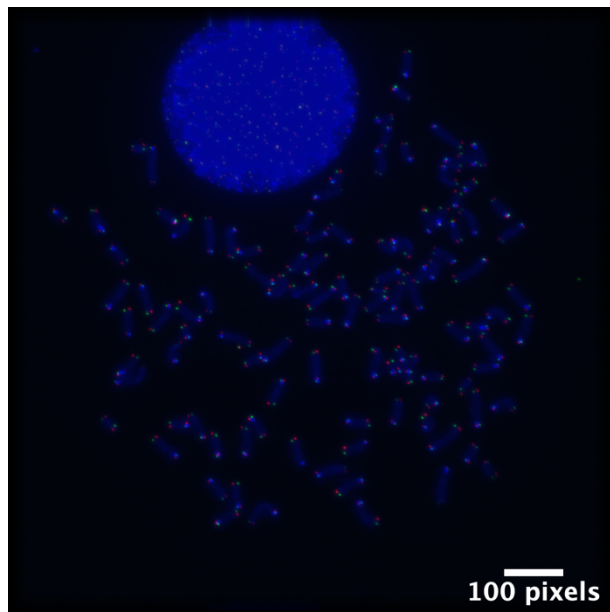
Blue: DAPI (DNA)

Red: Cy3-OO-(CCCTAA)₃ (Lagging-end telomeres)

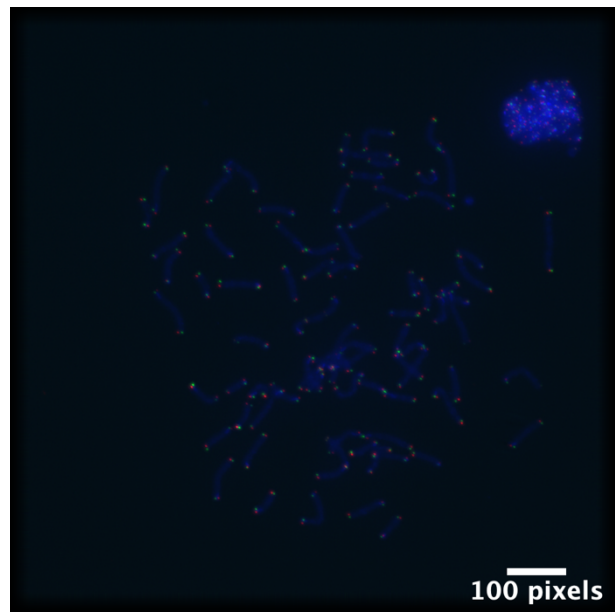
Green: Alexa-488 -(TTAGGG)₃ (Leading-end telomeres)

100 pixel = 10.8 μ m

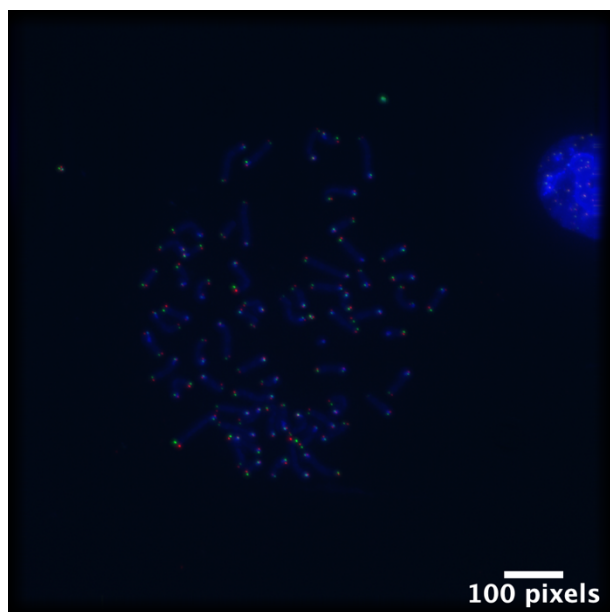
Apollo^{F/F} DNA-PKcs^{+/+} Ku70^{+/+} no Cre:



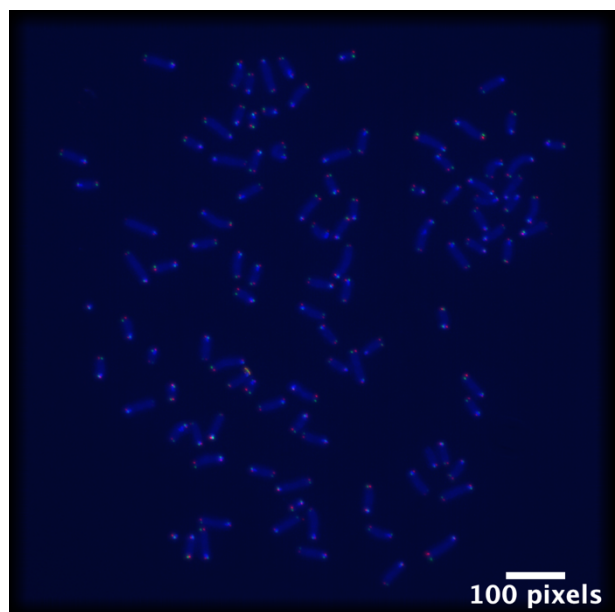
Apollo^{F/F} DNA-PKcs^{+/+} Ku70^{+/+} + Cre:



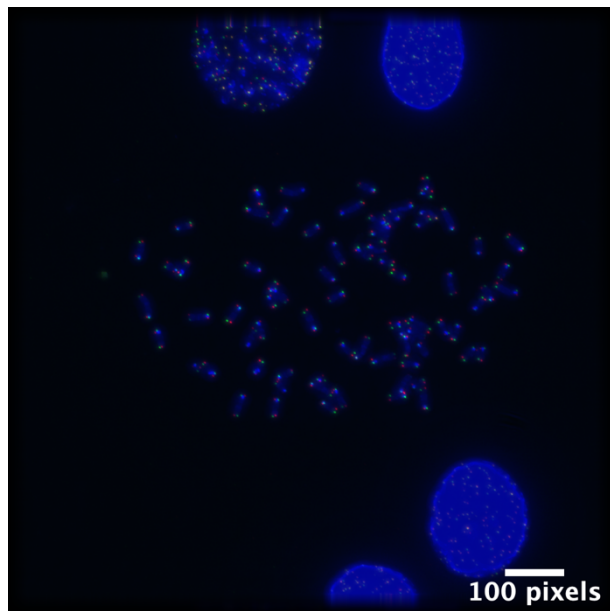
Apollo^{F/F} DNA-PKcs^{+/+} Ku70^{-/-} no Cre:



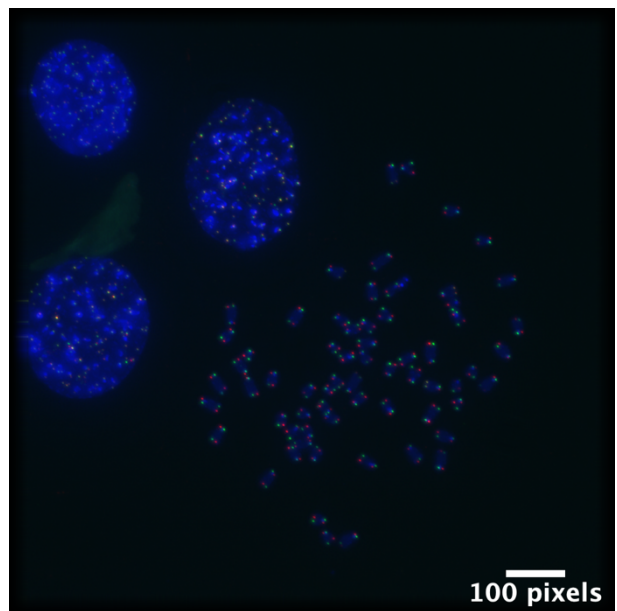
Apollo^{F/F} DNA-PKcs^{+/+} Ku70^{-/-} + Cre:



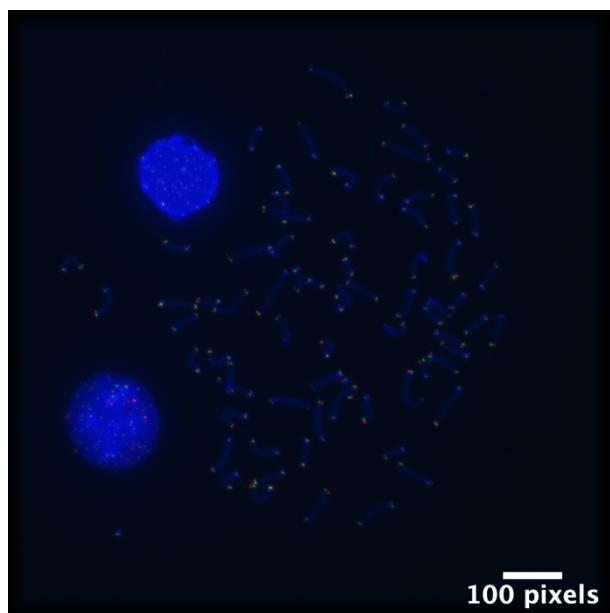
Apollo^{F/F} DNA-PKcs^{-/-} Ku70^{+/+} no Cre:



Apollo^{F/F} DNA-PKcs^{-/-} Ku70^{+/+} + Cre:



Apollo^{F/F} DNA-PKcs^{-/-} Ku70^{-/-} no Cre:



Apollo^{F/F} DNA-PKcs^{-/-} Ku70^{-/-} + Cre:

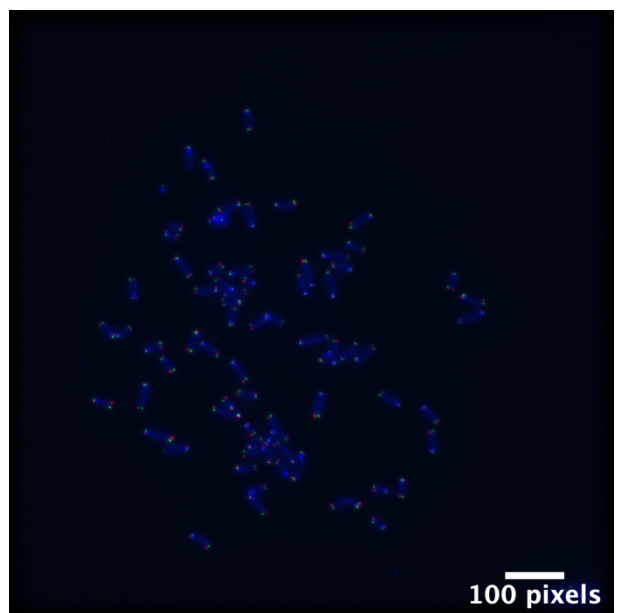
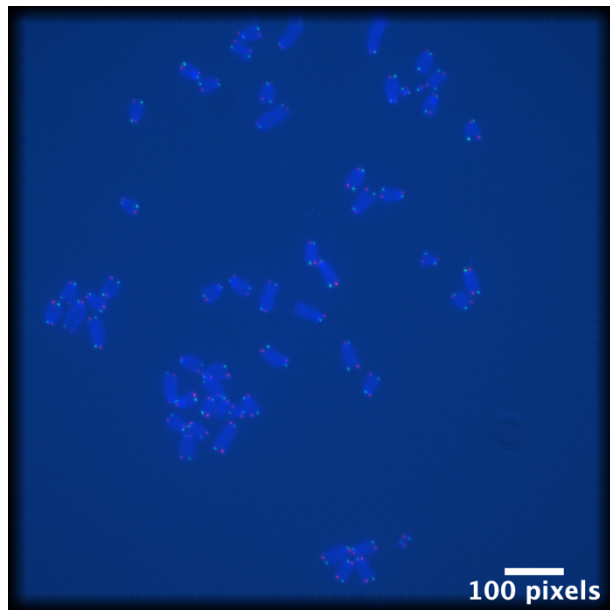


Fig.1c, d:
Blue: DAPI (DNA)
Red: Cy3-OO-(CCCTAA)₃ (Lagging-end telomeres)
Green: Alexa-488 -(TTAGGG)₃ (Leading-end telomeres)
100 pixel = 10.8 μ m

Apollo^{F/F} Lig4^{-/-} no Cre:



Apollo^{F/F} Lig4^{-/-} + Cre:

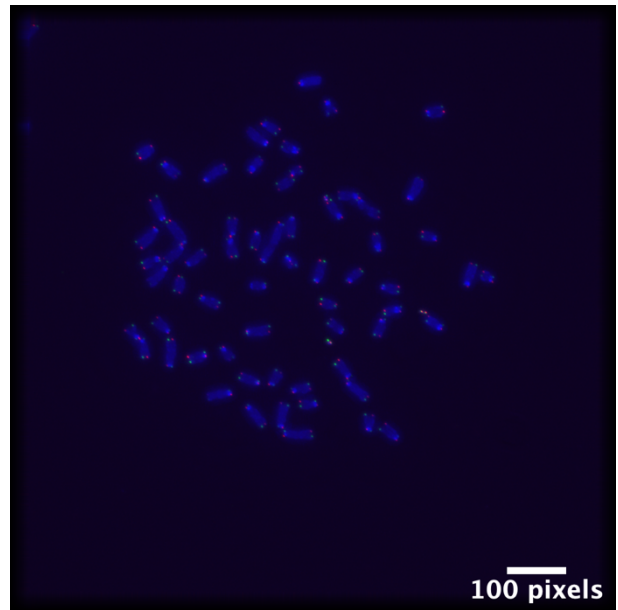


Fig.1e,f:

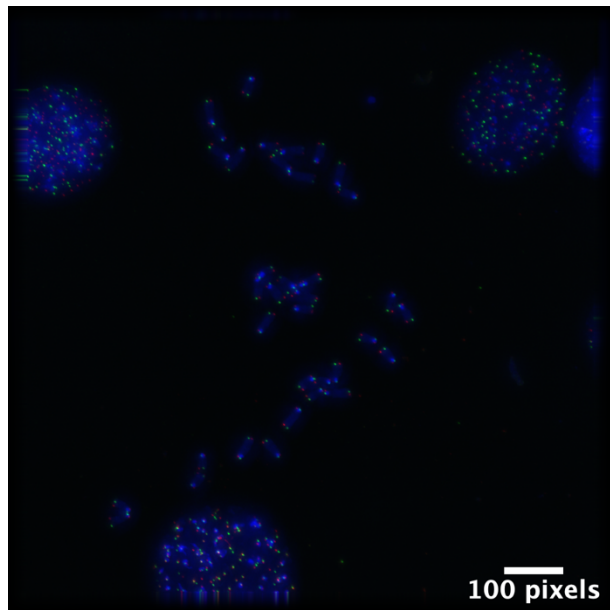
Blue: DAPI (DNA)

Red: Cy3-OO-(CCCTAA)₃ (Lagging-end telomeres)

Green: Alexa Fluor 488-OO-(TTAGGG)₃ (Leading-end telomeres)

100 pixel = 10.8 μ m

ApolloF/F + Cre:



ApolloF/F + Cre + PARPi:

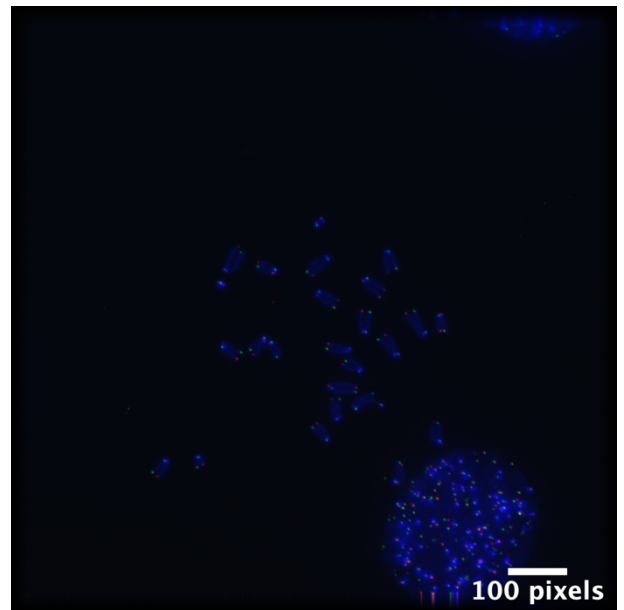
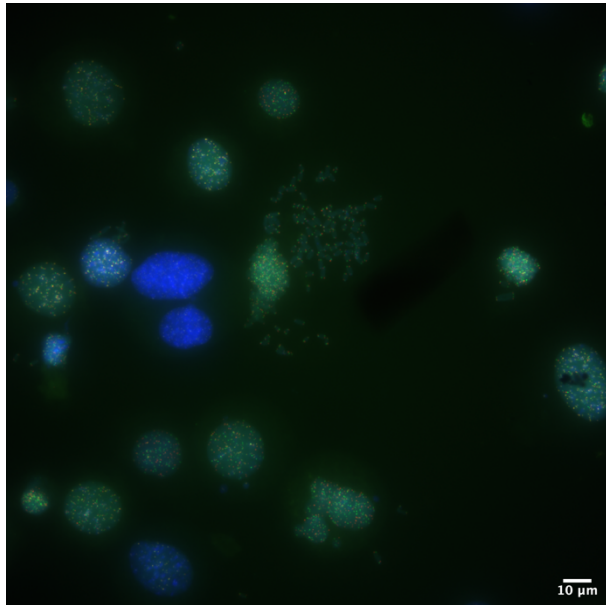
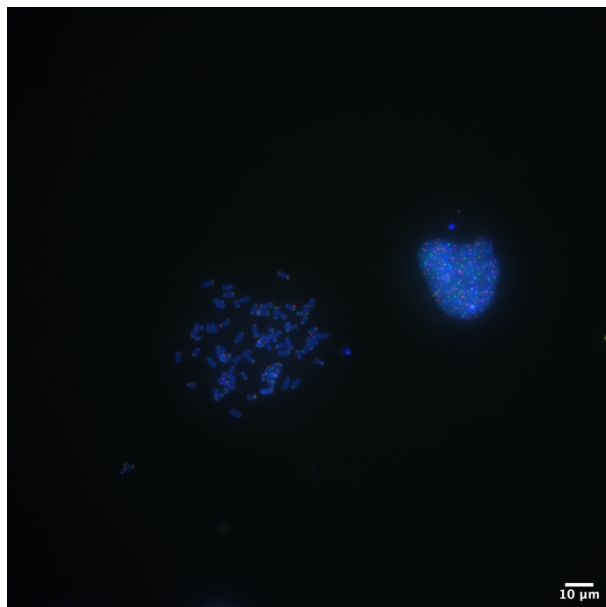


Fig.1g, h:
Blue: DAPI (DNA)
Red: Cy3-OO-(CCCTAA)₃ (Lagging-end telomeres)
Green: Alexa Fluor 488-OO-(TTAGGG)₃ (Leading-end telomeres)

ApolloF/F no shRNA + Cre:



ApolloF/F shLig3 + Cre:



ApolloF/F shPolQ + Cre:

