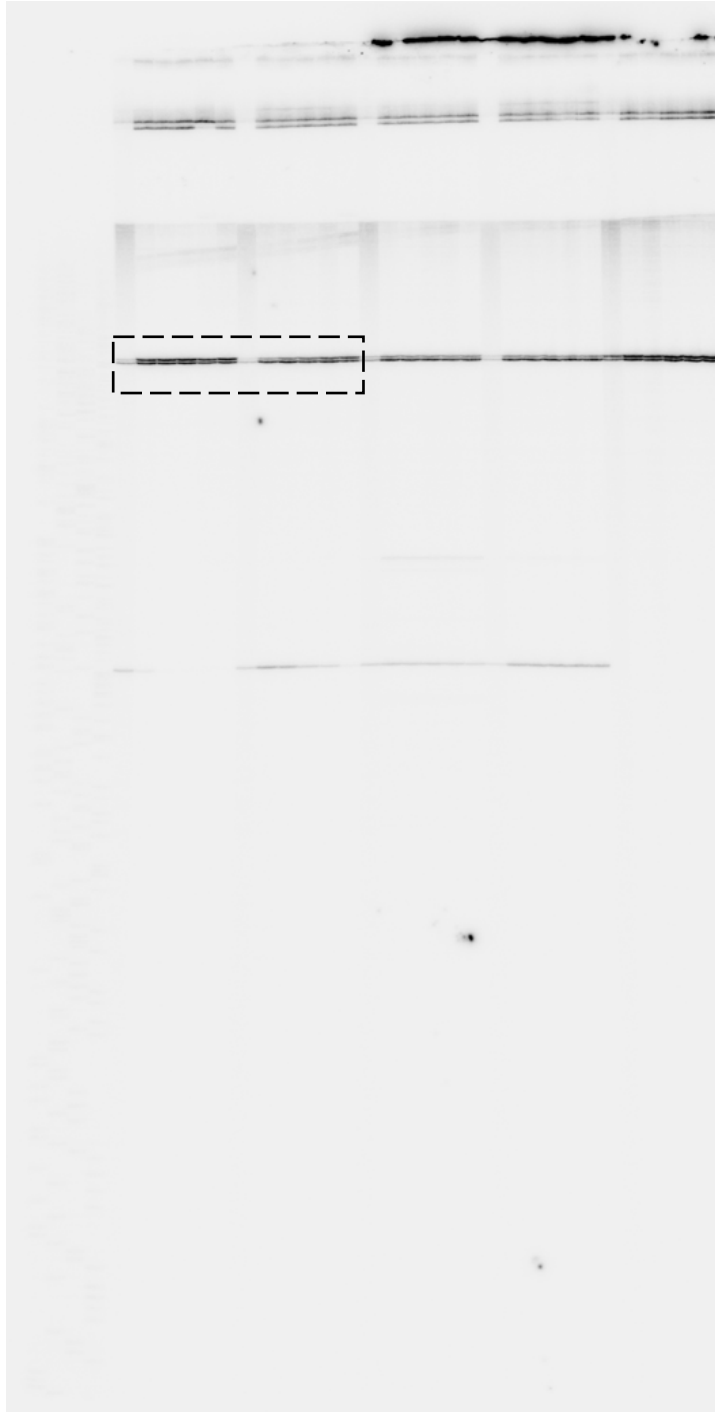


Source Data

Figure 1E

Radiograph extension products



Radiograph Nascent strands

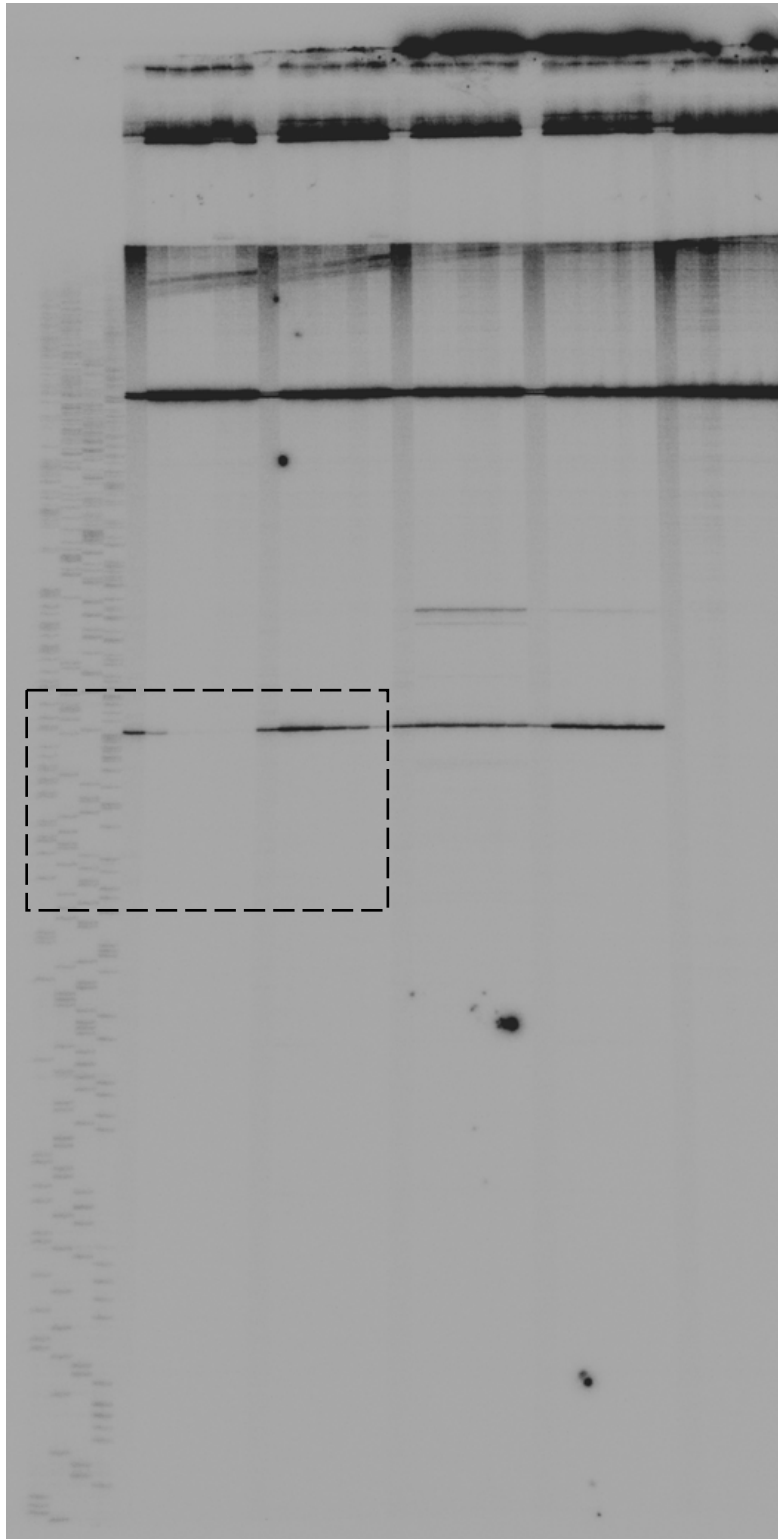
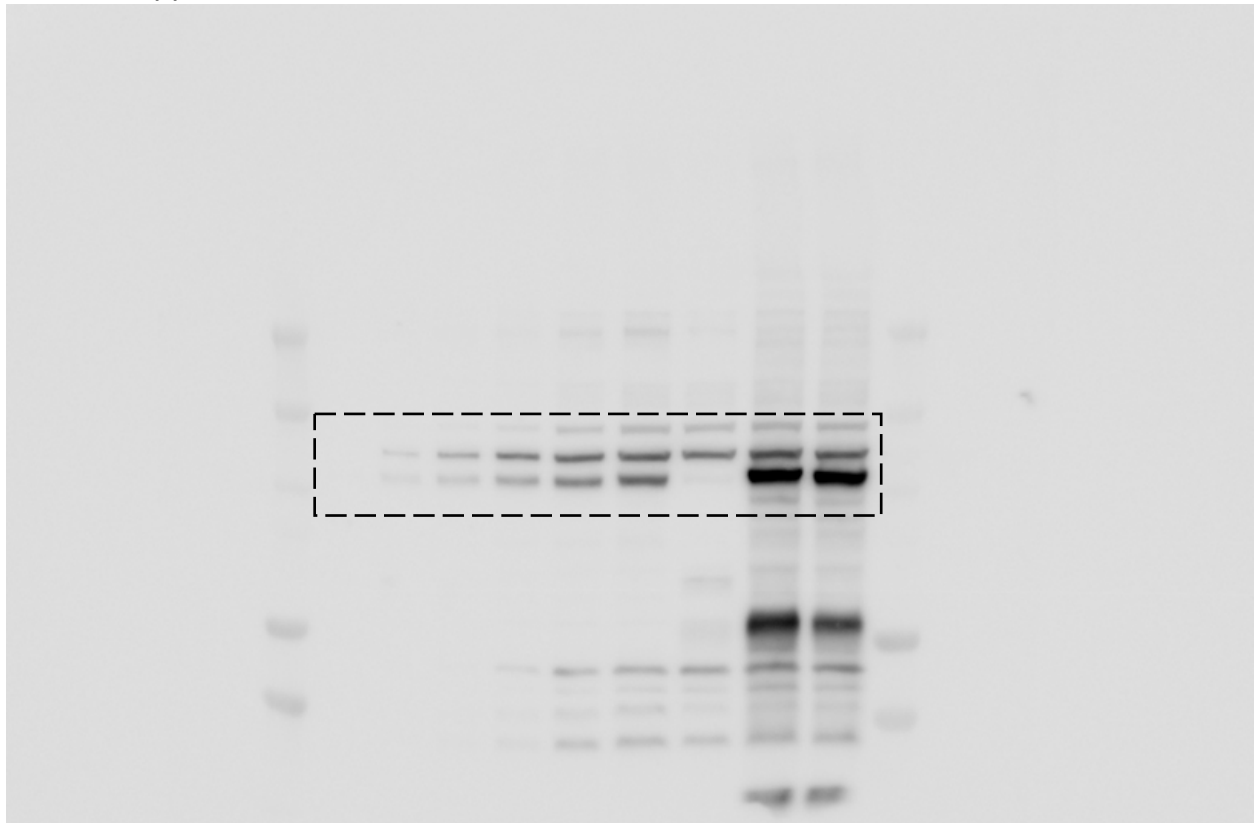


Figure 1F

Anti-Pol kappa blot



Anti-Orc2 blot

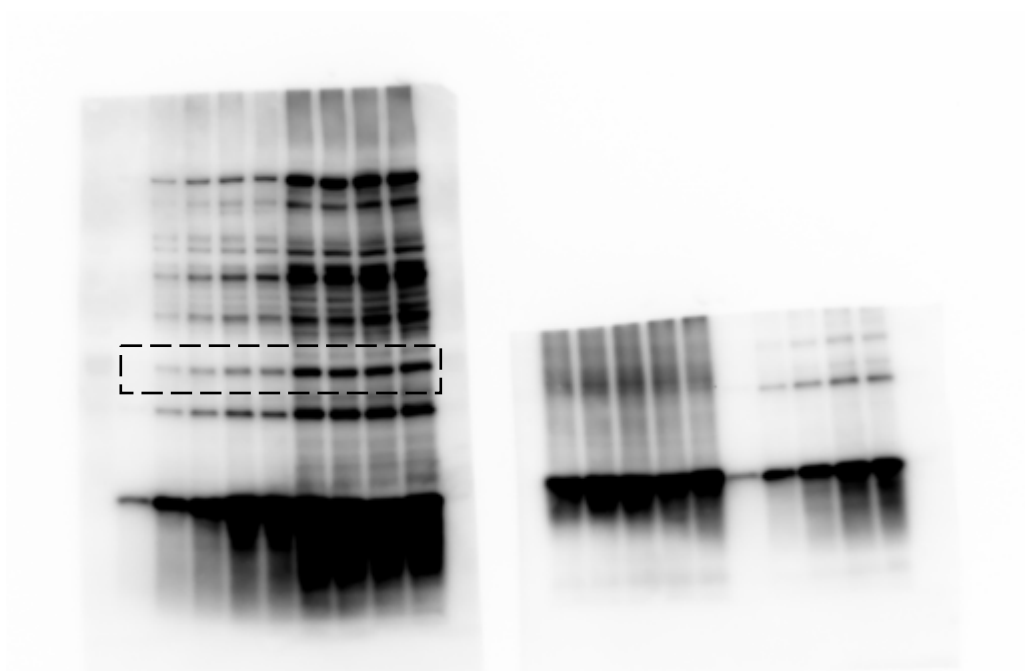


Figure 1H

Radiograph replication reaction

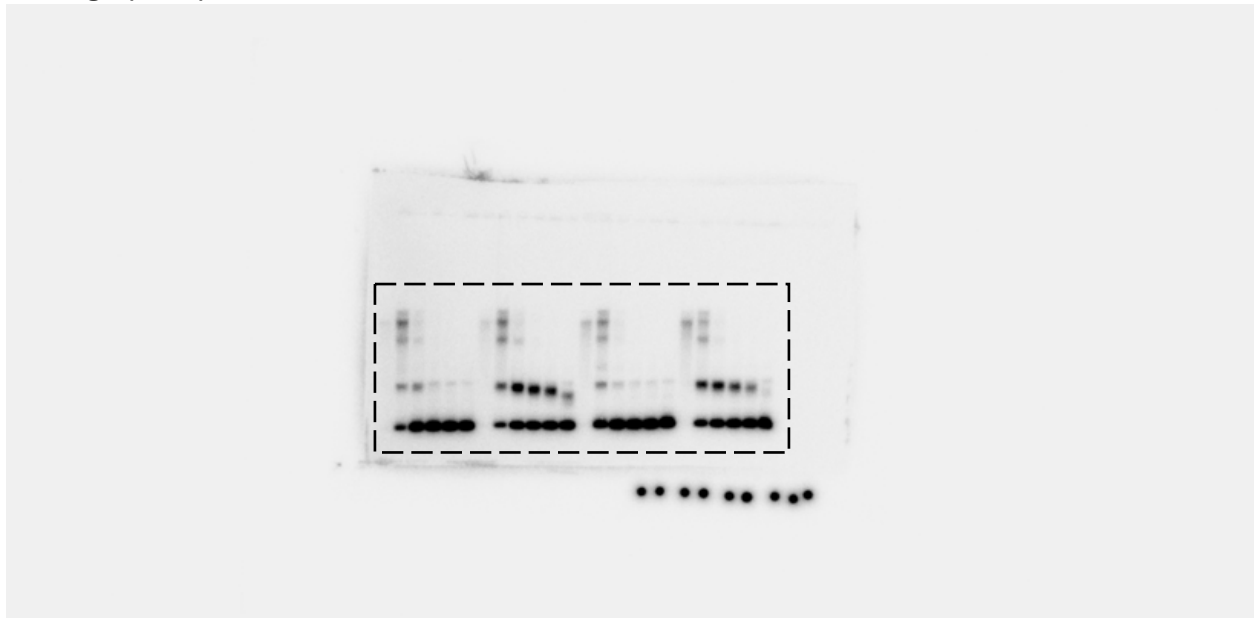
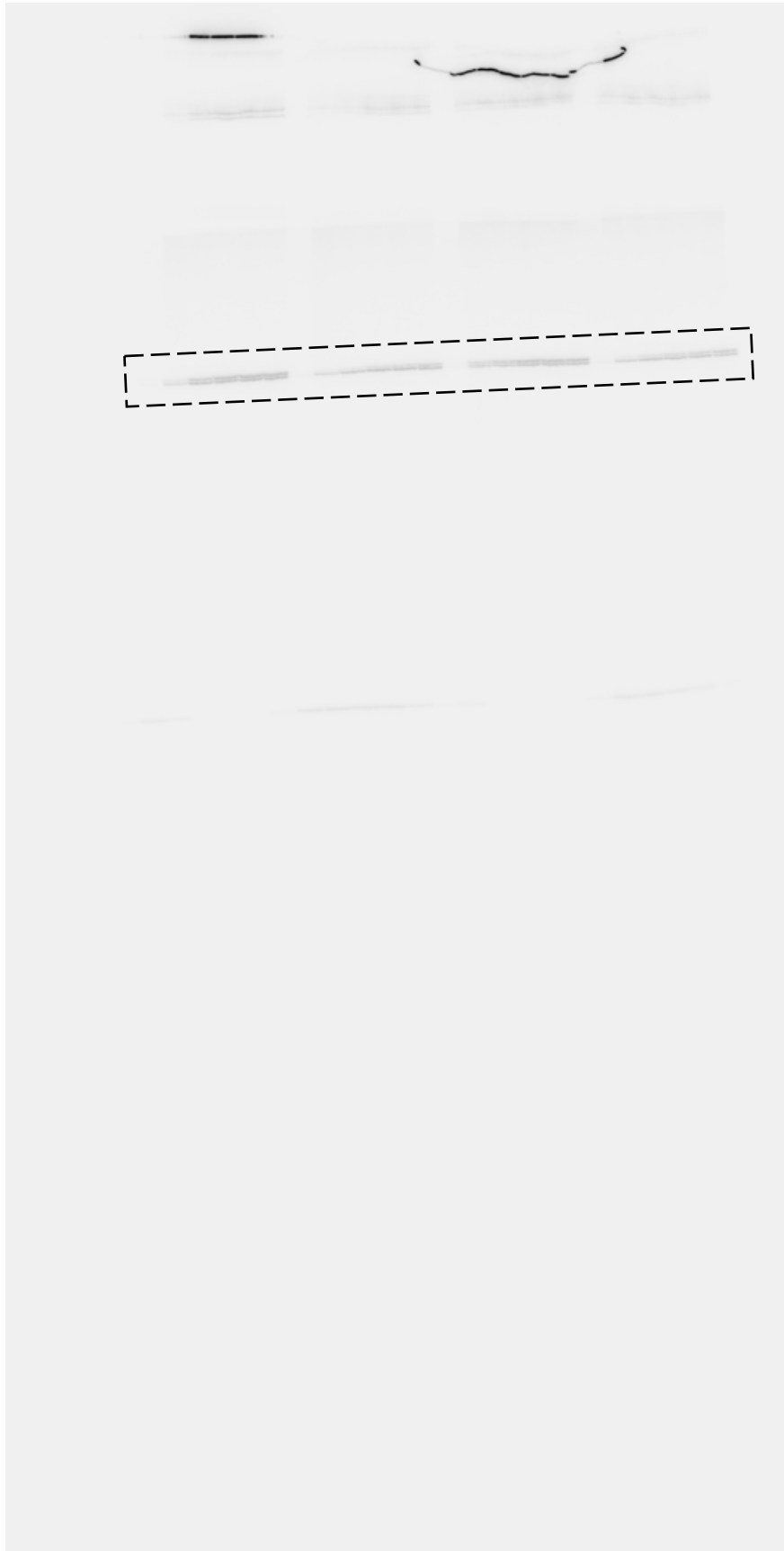


Figure 1I
Radiograph extension products



Radiograph nascent products

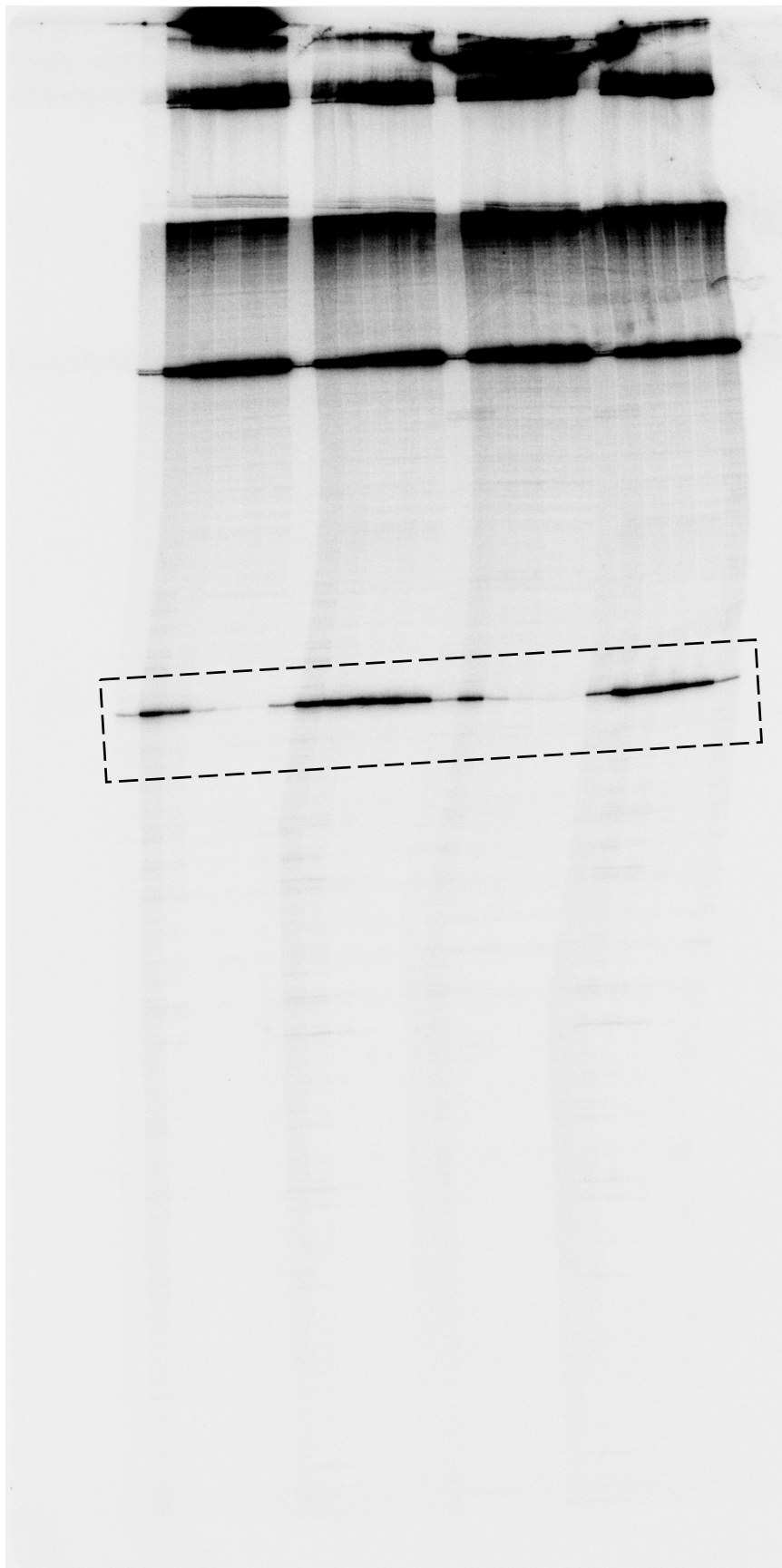
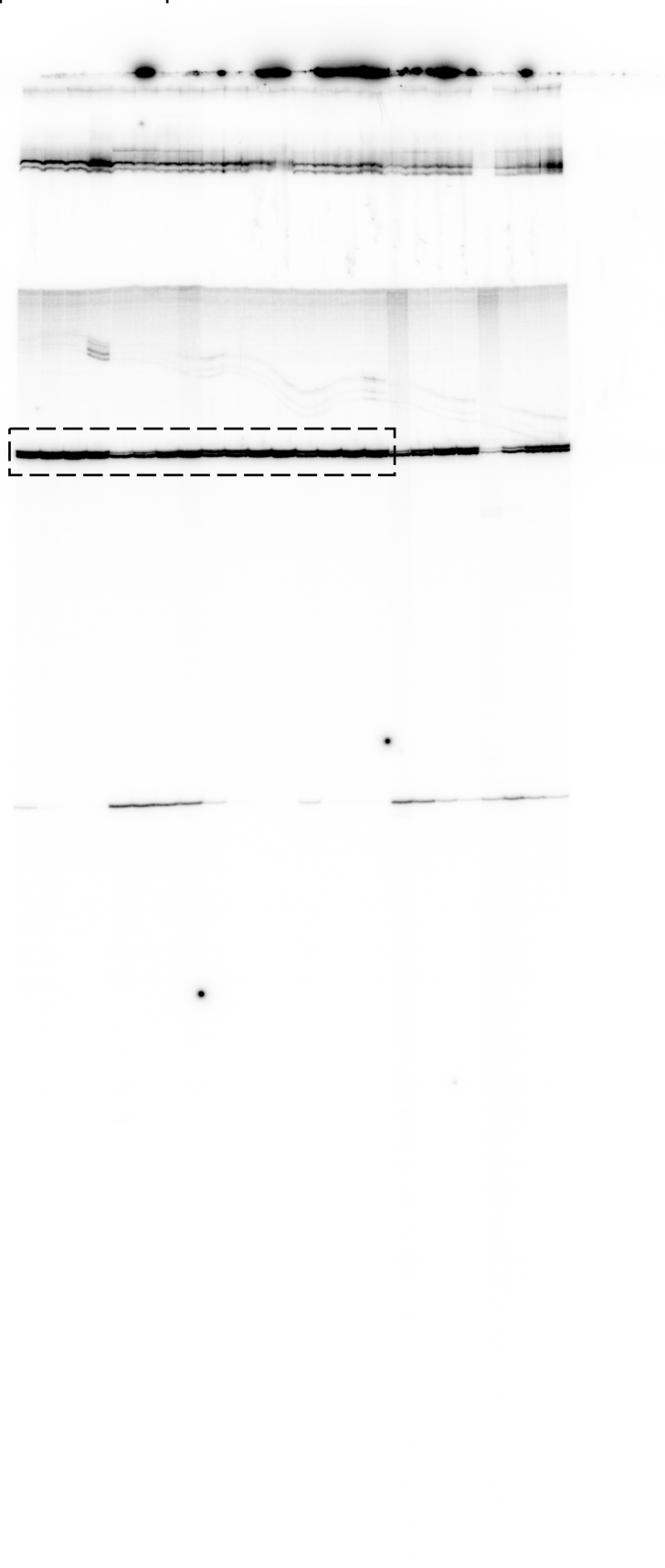


Figure 2B
Radiograph extension products



Radiograph nascent strand products

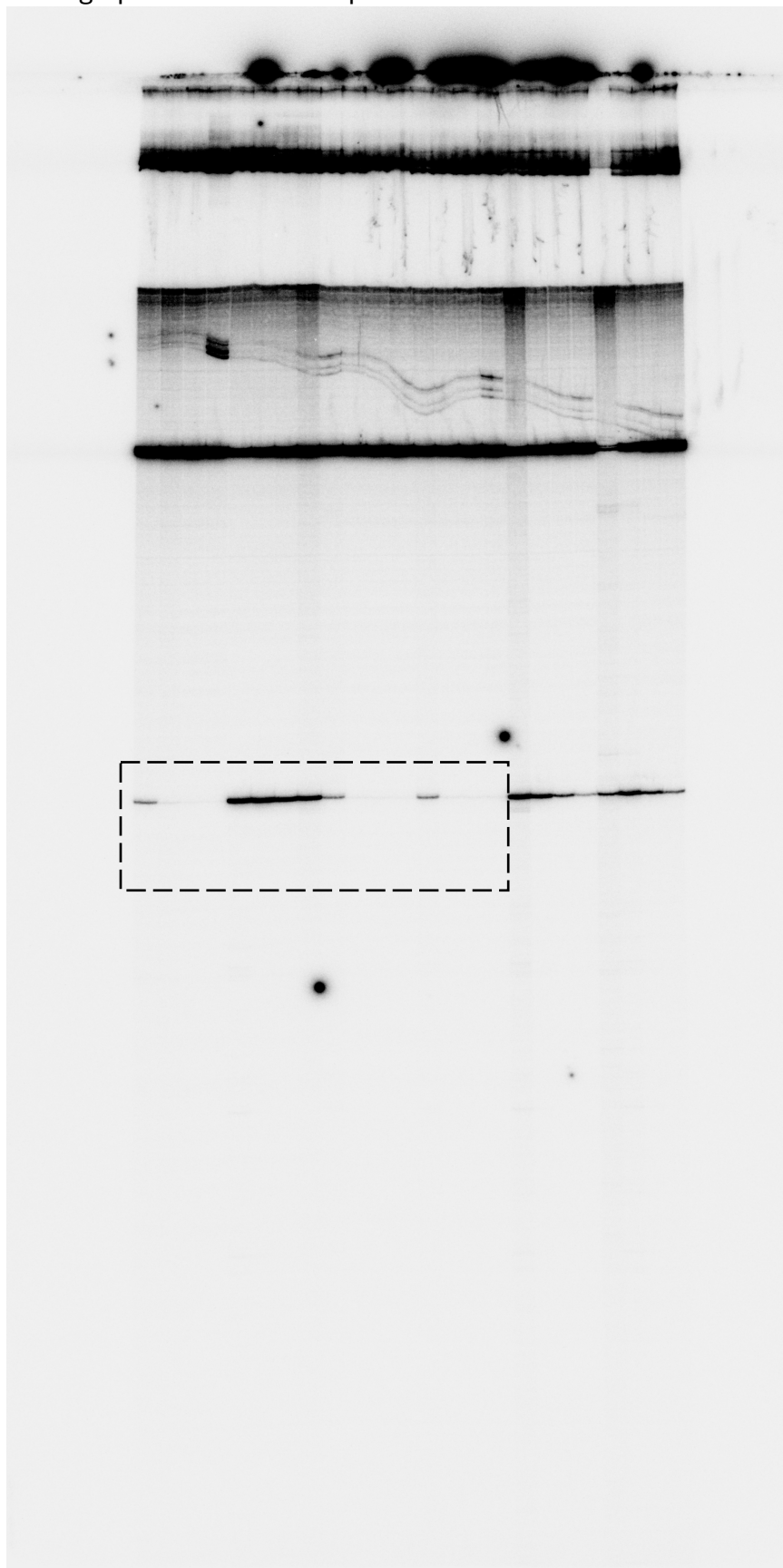
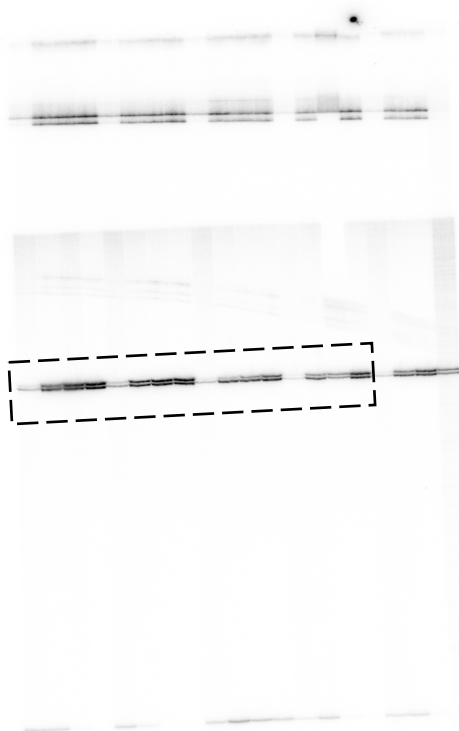


Figure 2C
Radiograph extension products



Radiograph nascent strand products

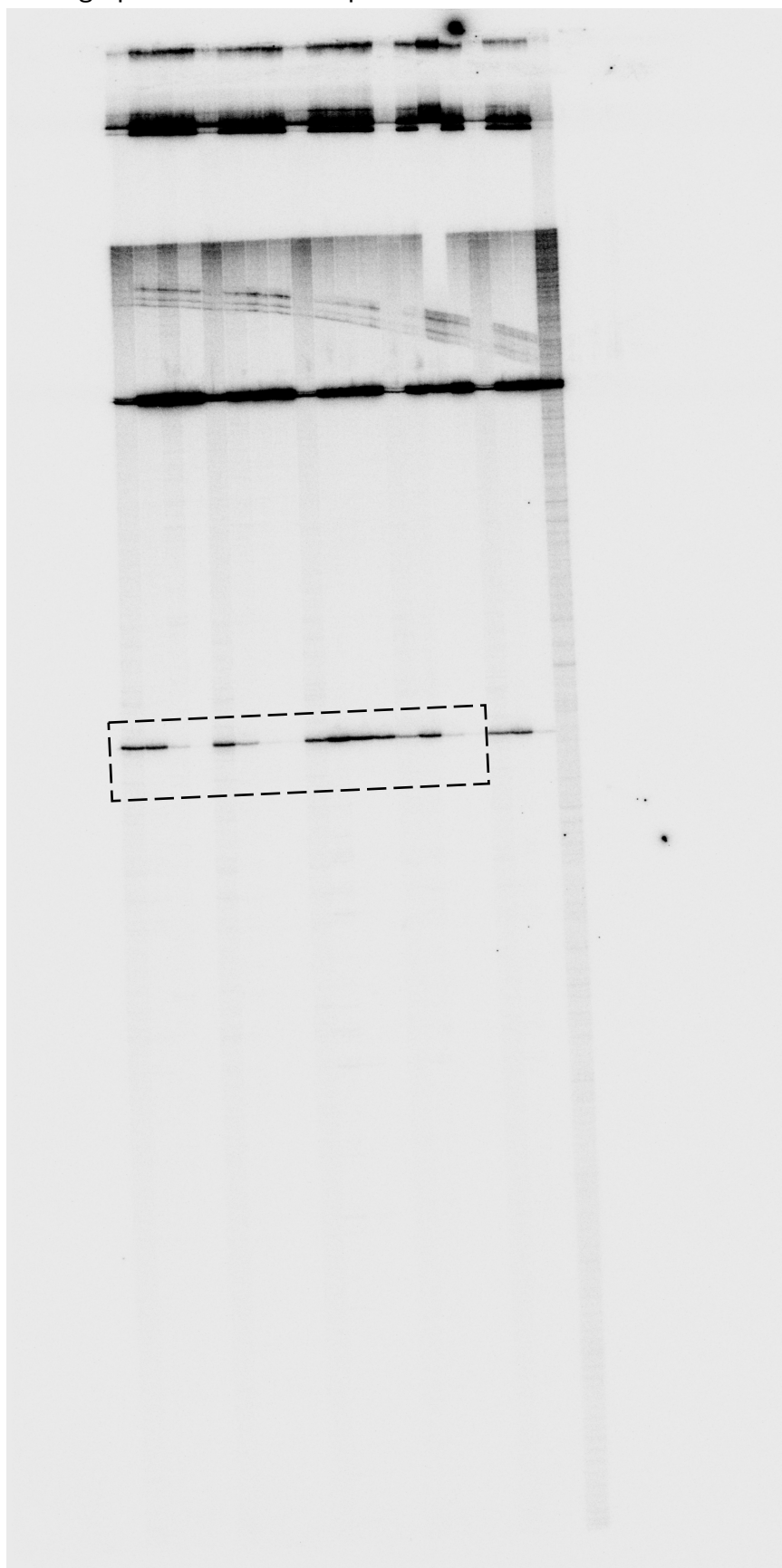


Figure 2D
Radiograph extension products



Radiograph nascent strands

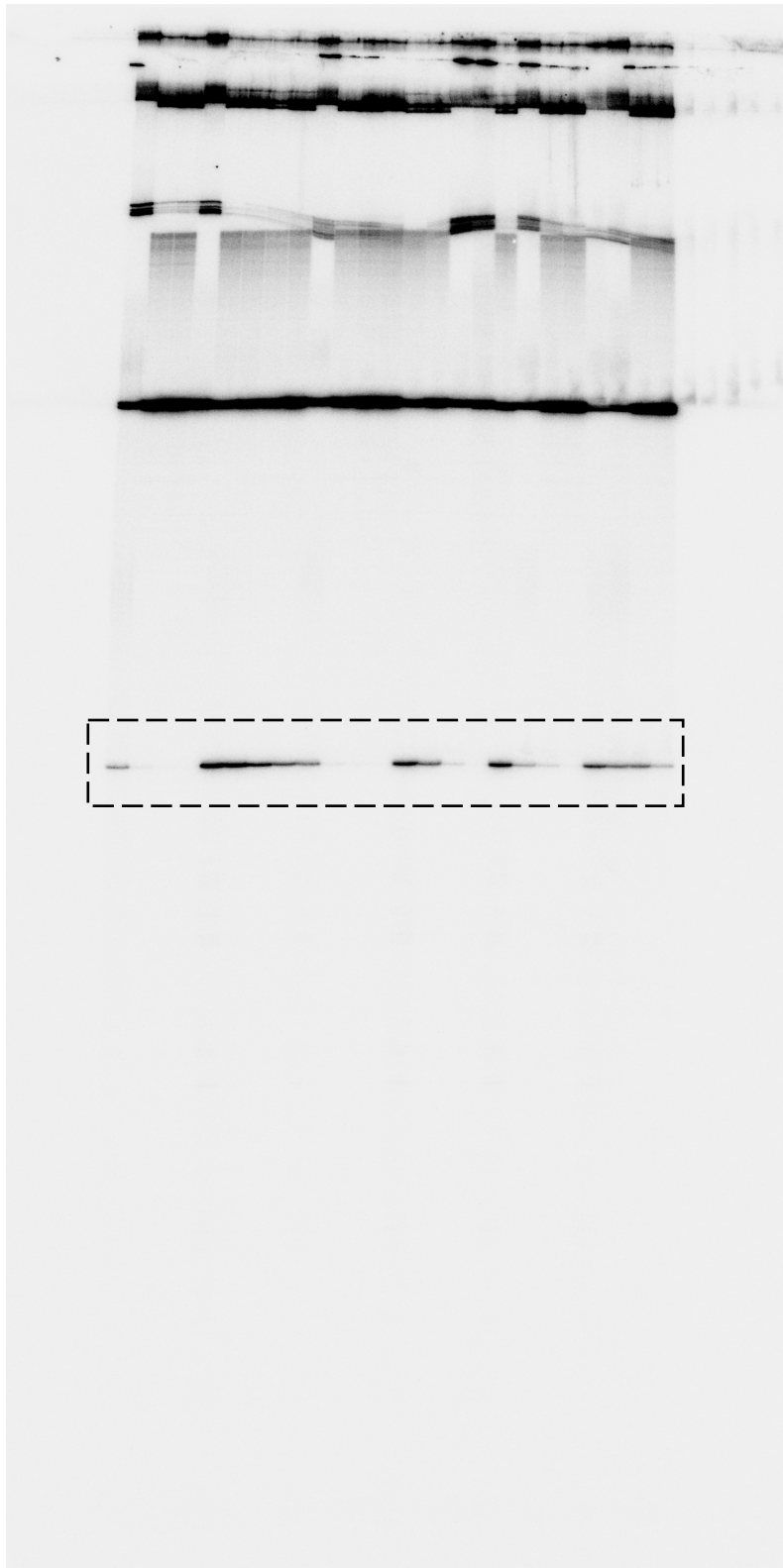


Figure 2E
Radiograph extension products



Radiograph nascent strands

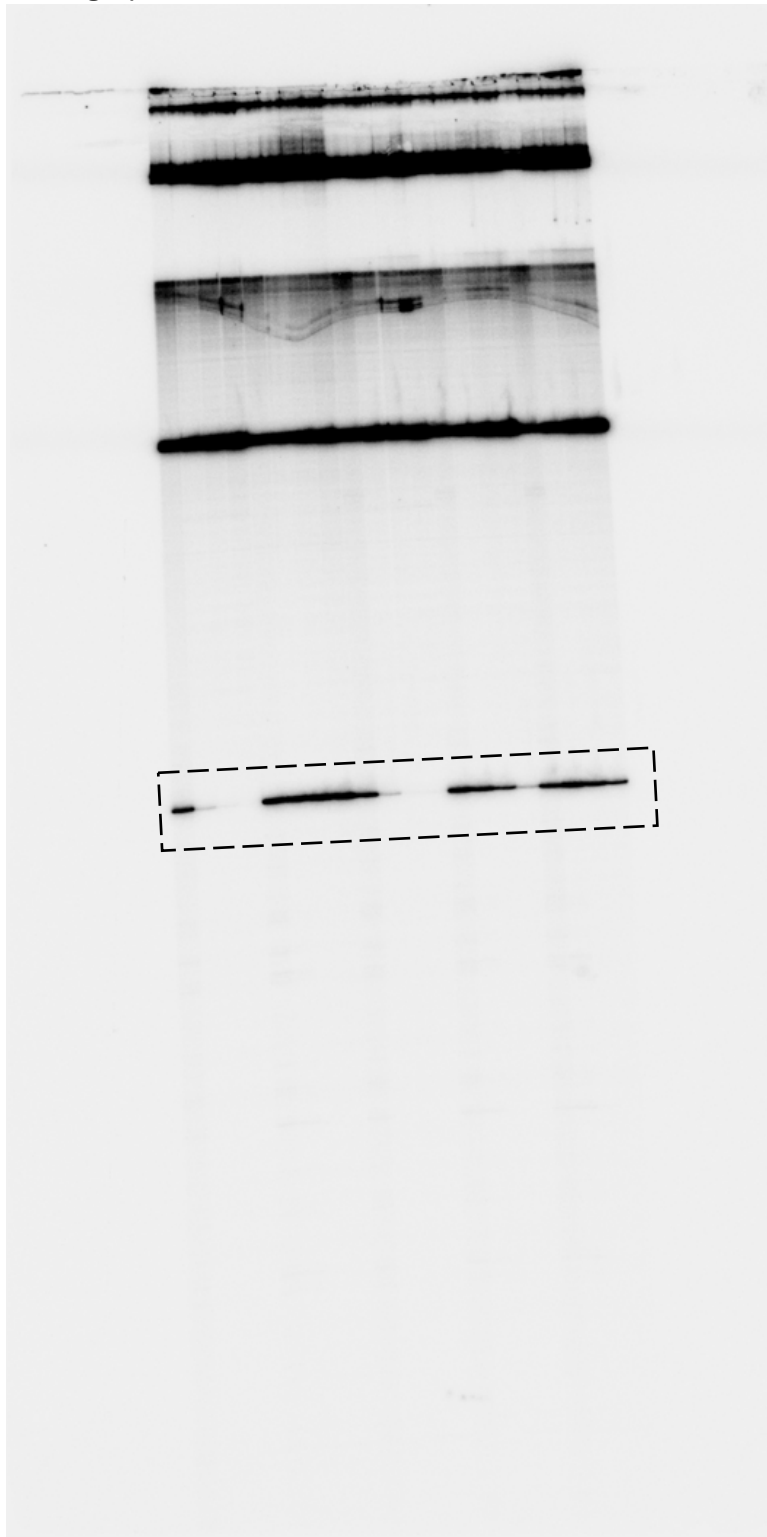
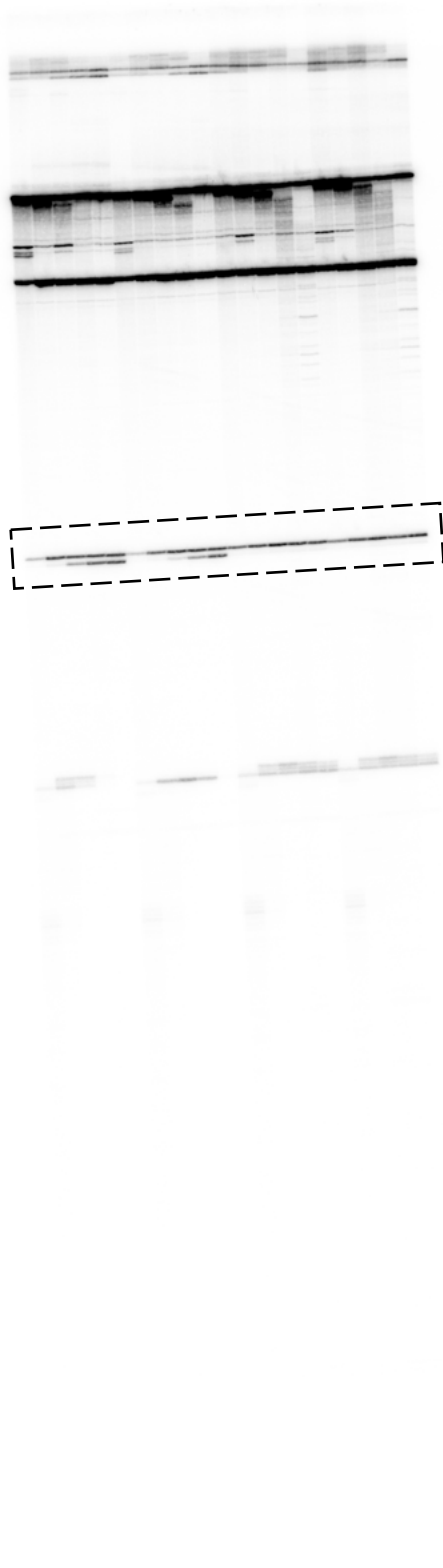


Figure 3C
Radiograph extension products



Radiograph nascent strands

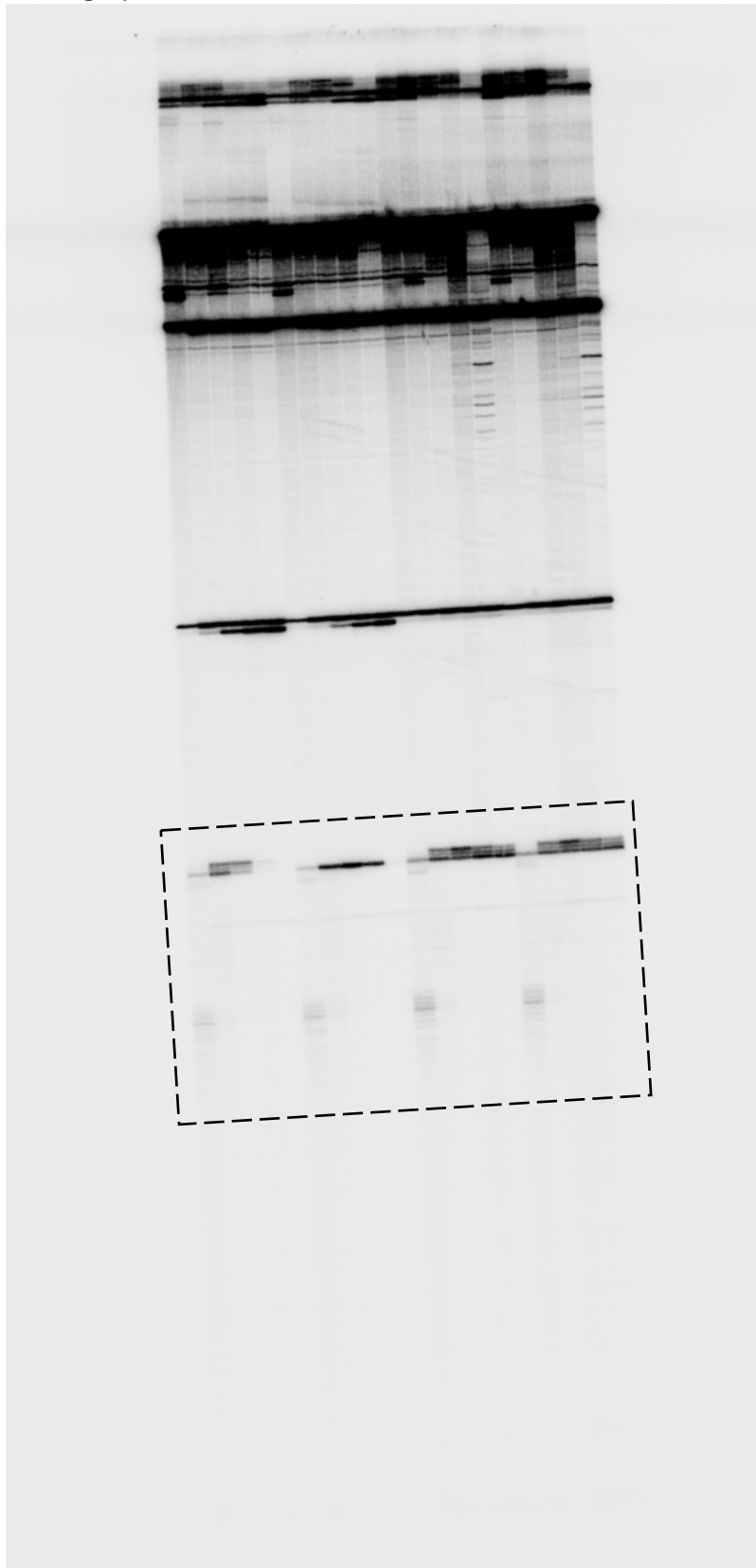


Figure 3D

Radiograph replication reaction

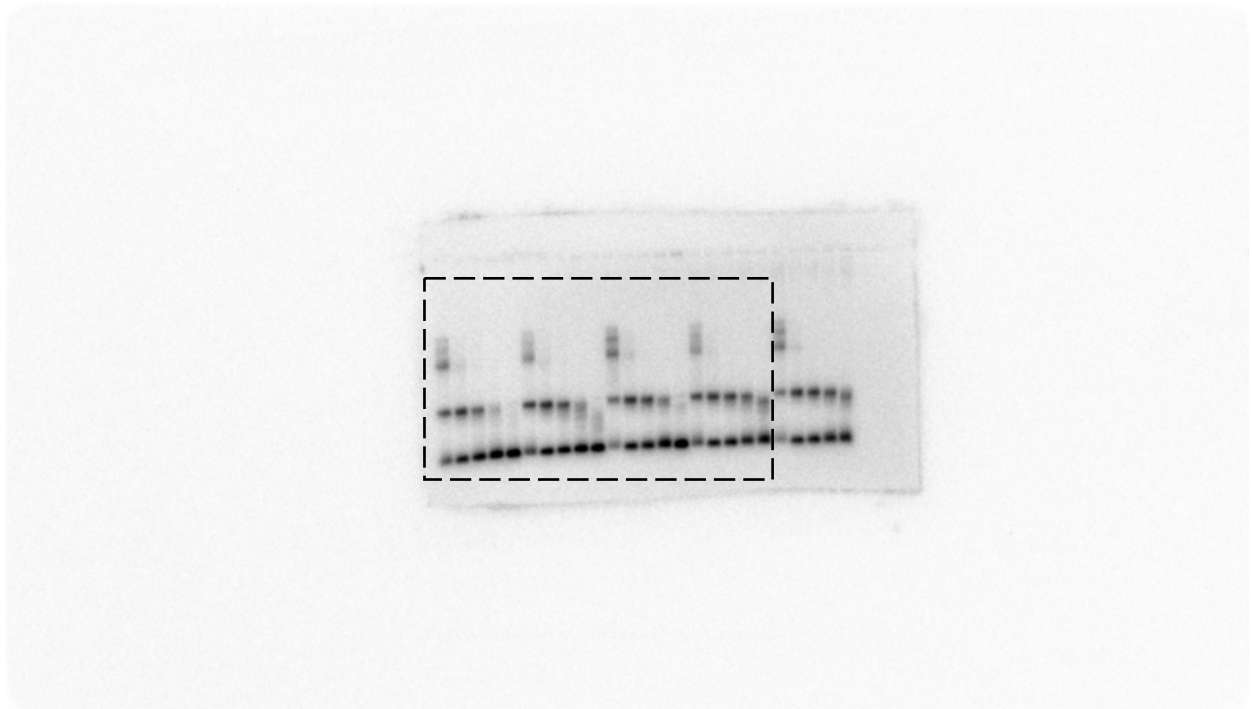


Figure 3E
Radiograph extension products



Radiograph nascent strands

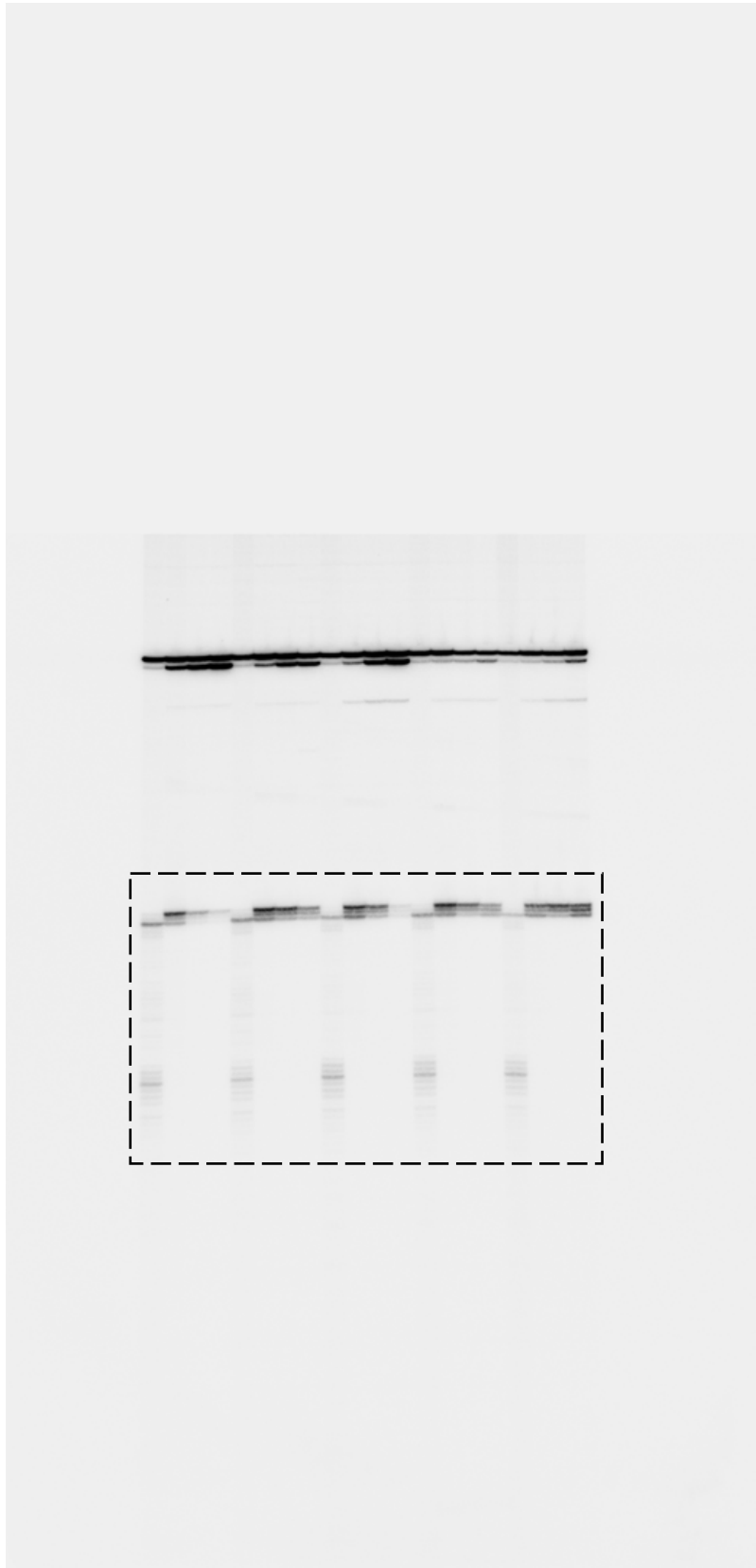


Figure 4A

Radiograph replication gel

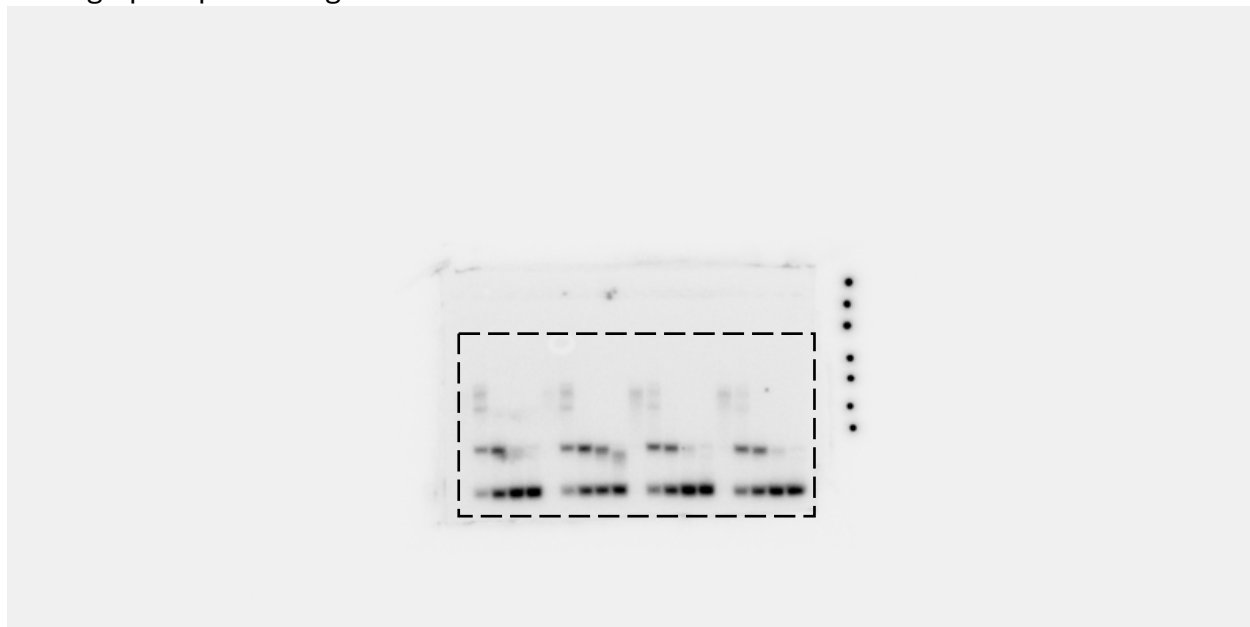
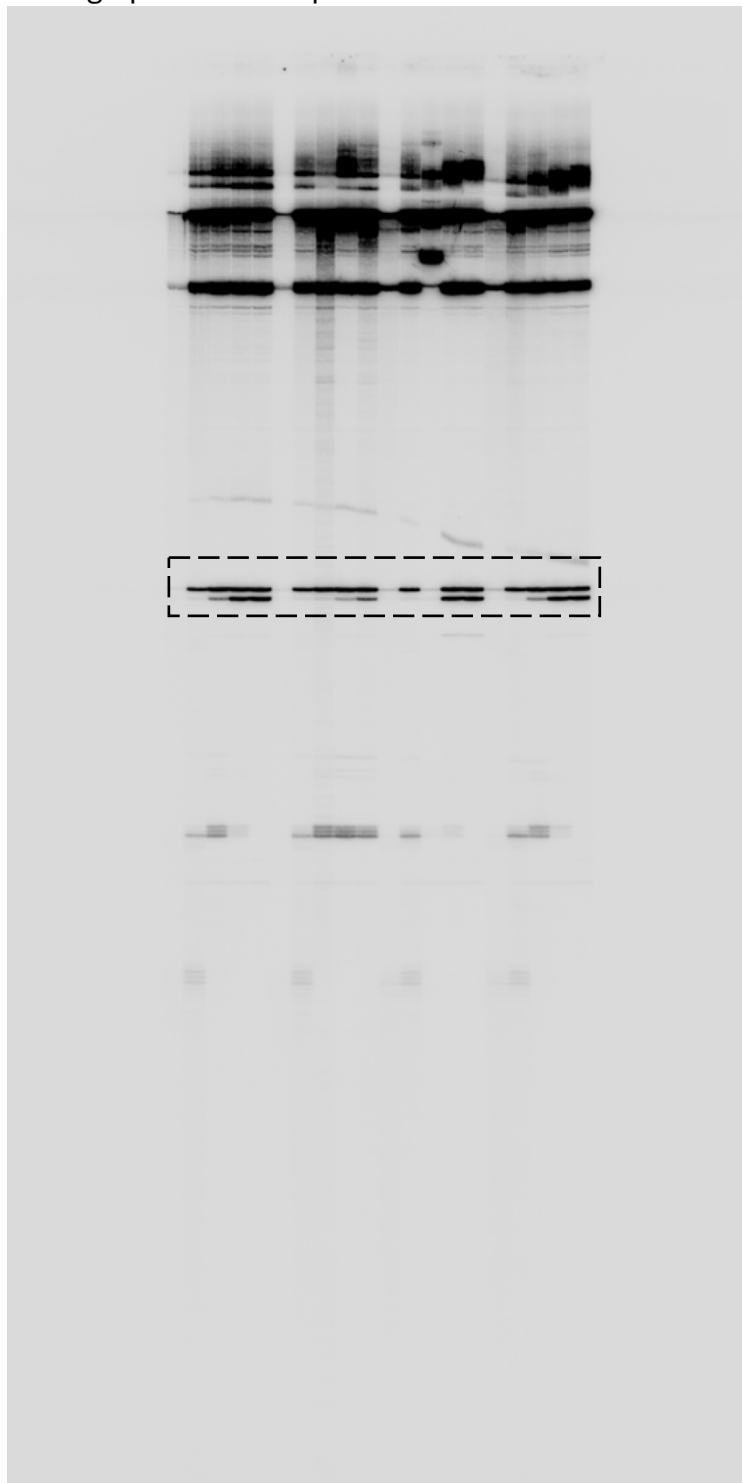


Figure 4B
Radiograph extension products



Radiograph nascent strands

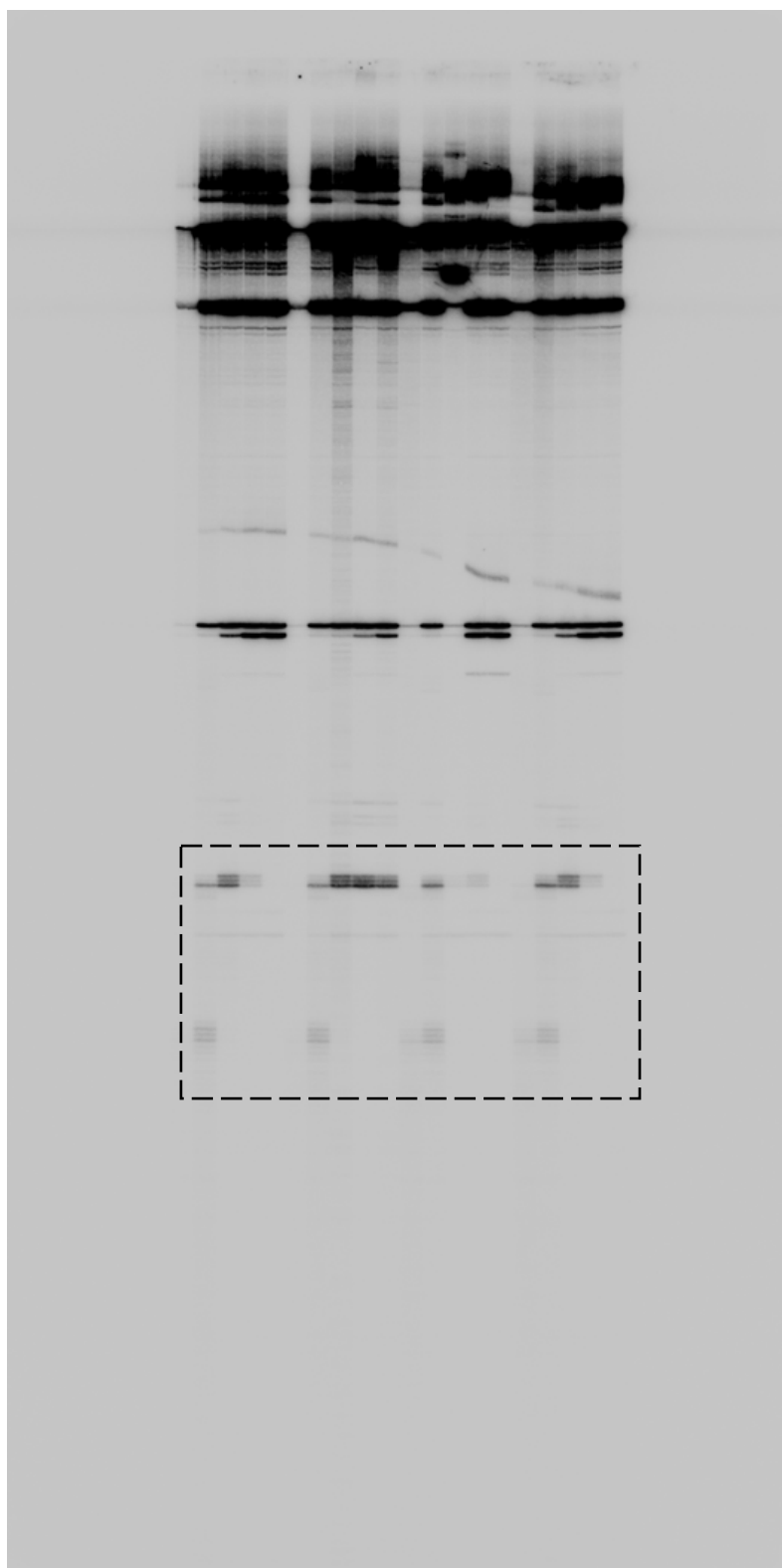


Figure 4D
Radiograph replication gel

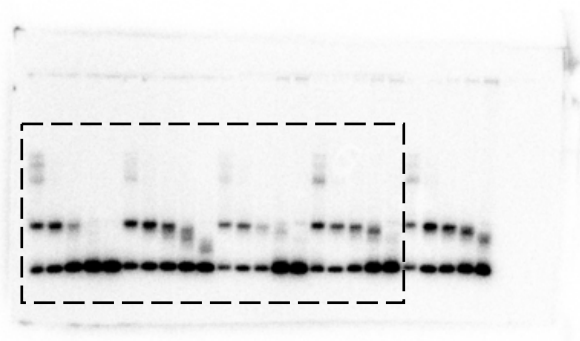
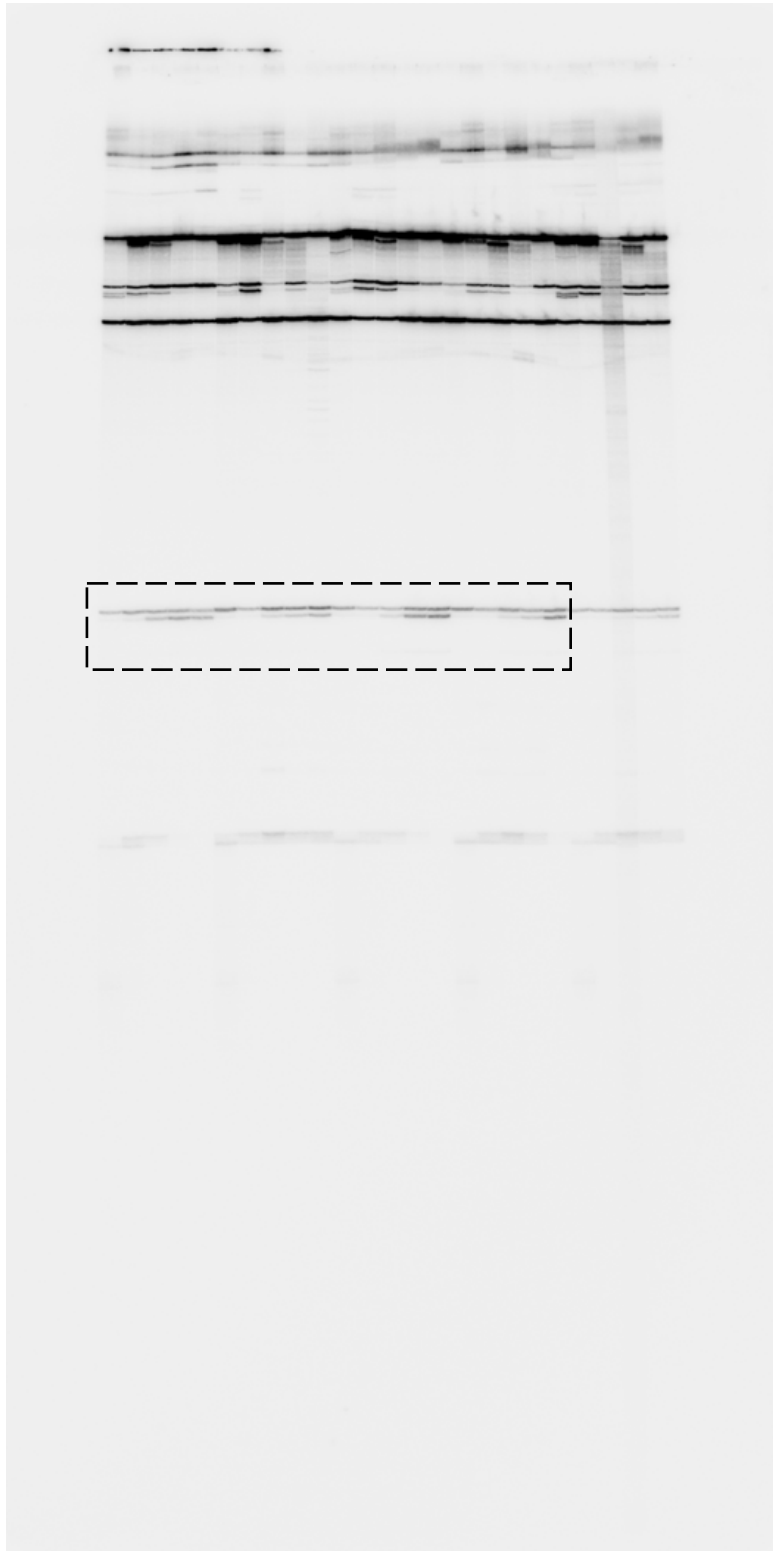


Figure 4E
Radiograph extension products



Radiograph nascent strands

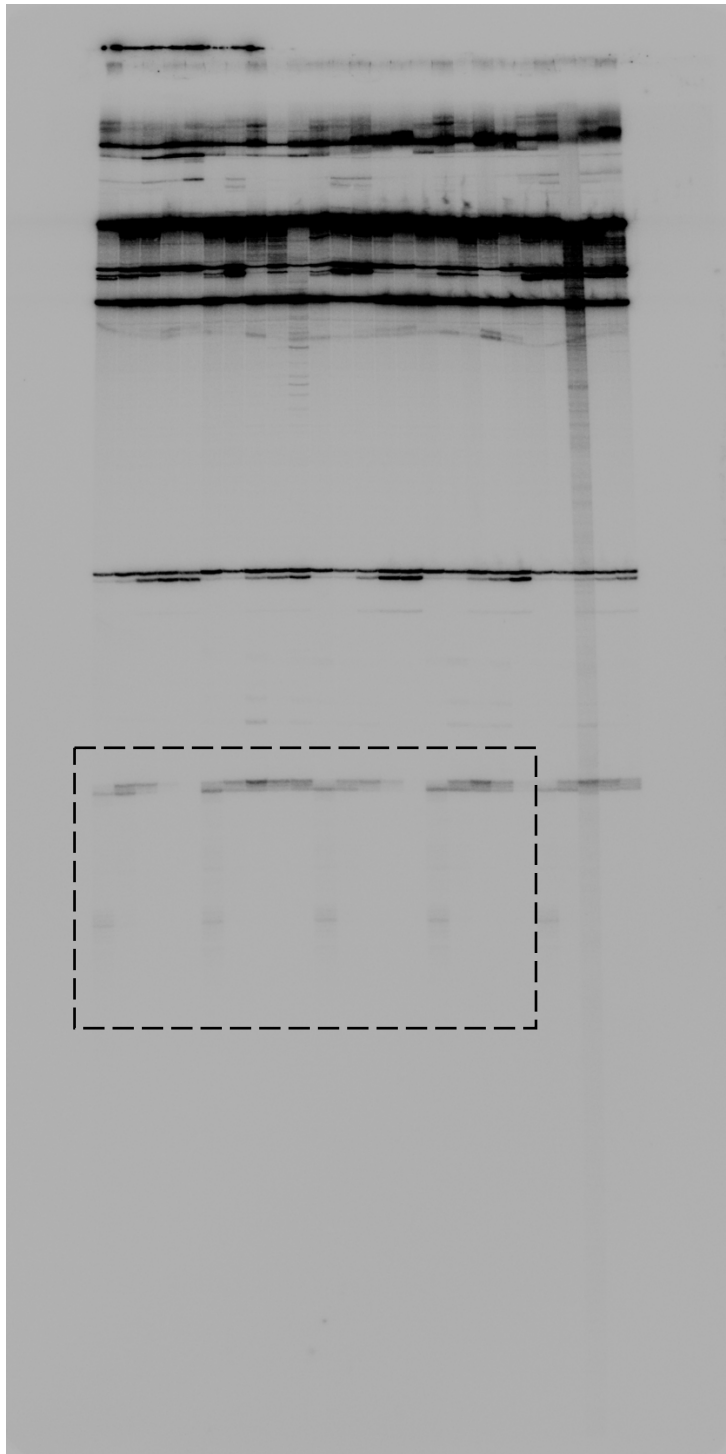


Figure 5B
Radiograph nascent strands

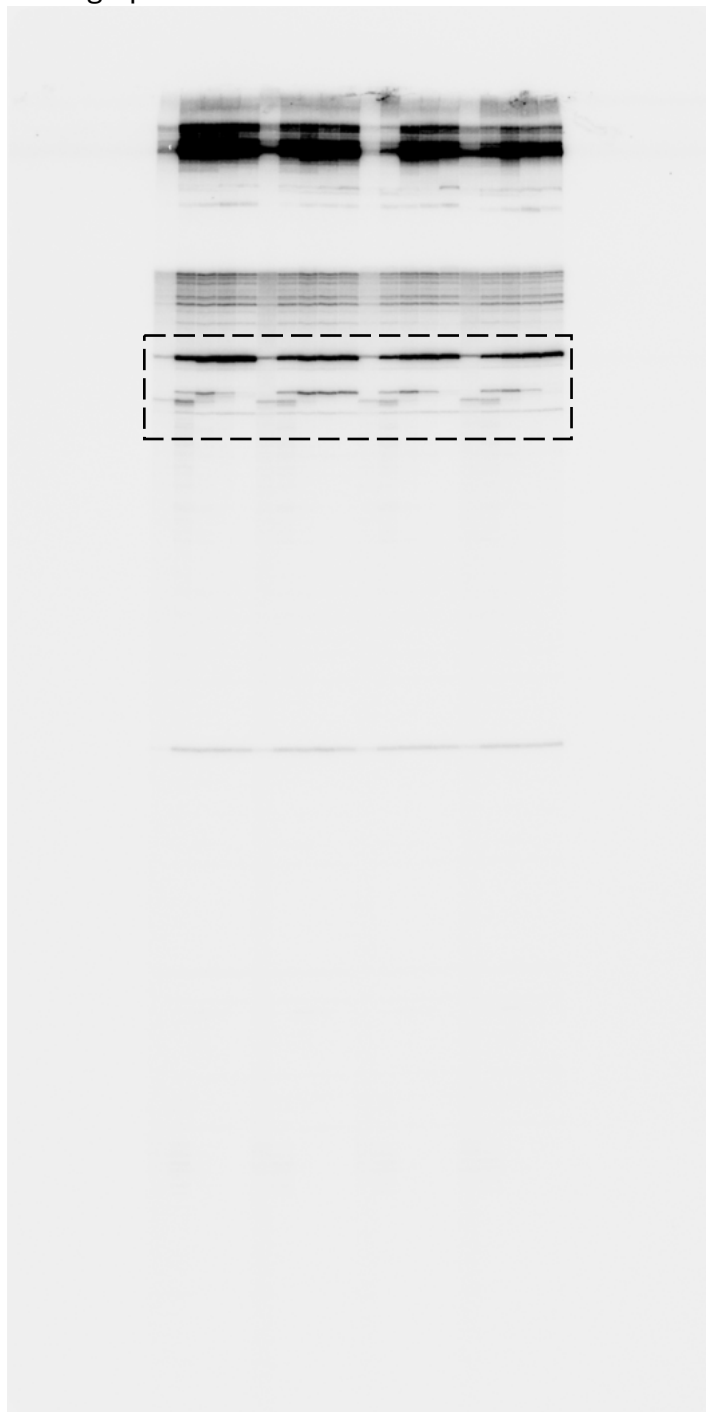
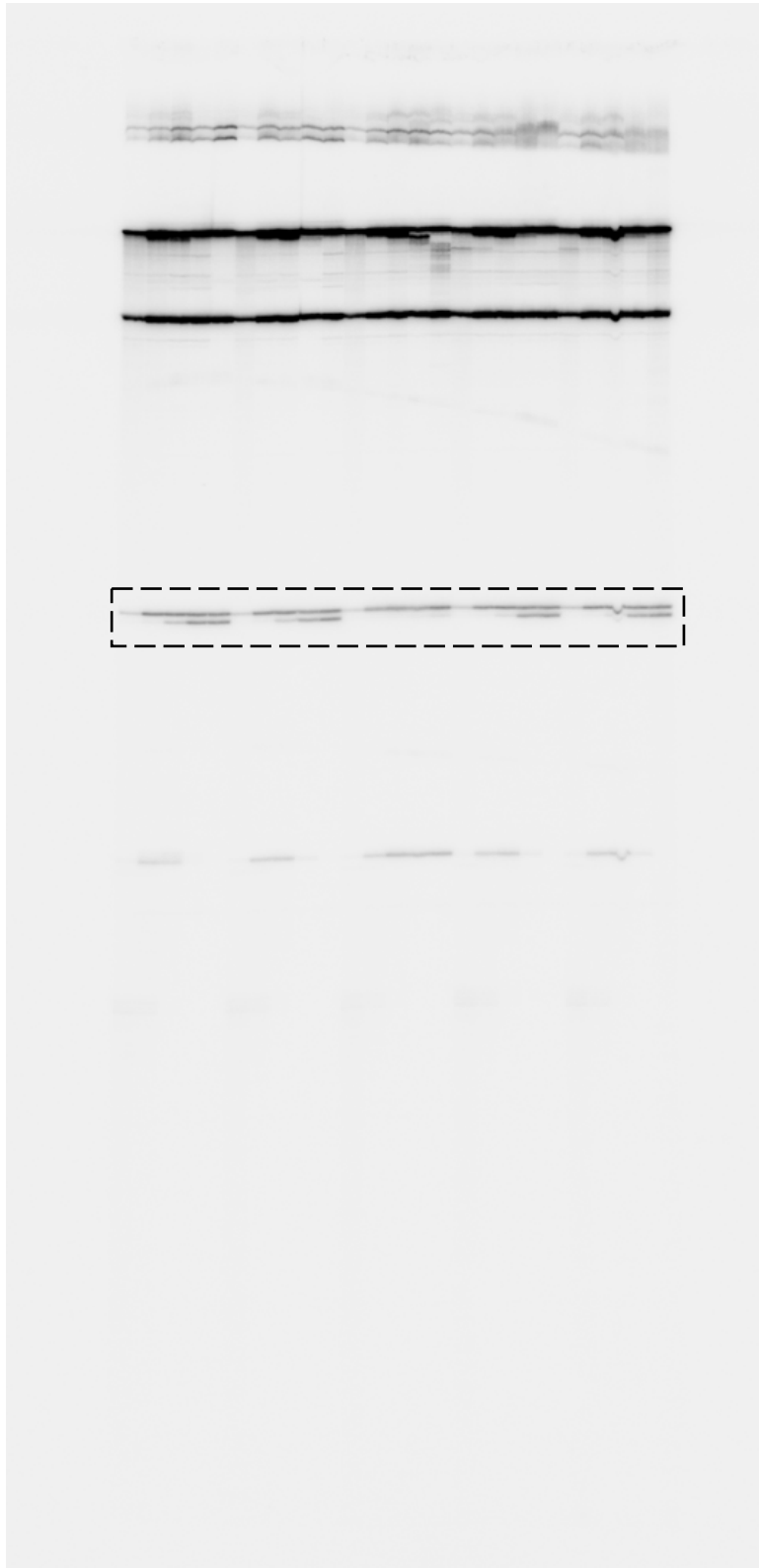


Figure 5C
Radiograph nascent strands



Figure 6A
Radiograph extension products



Radiograph nascent strands

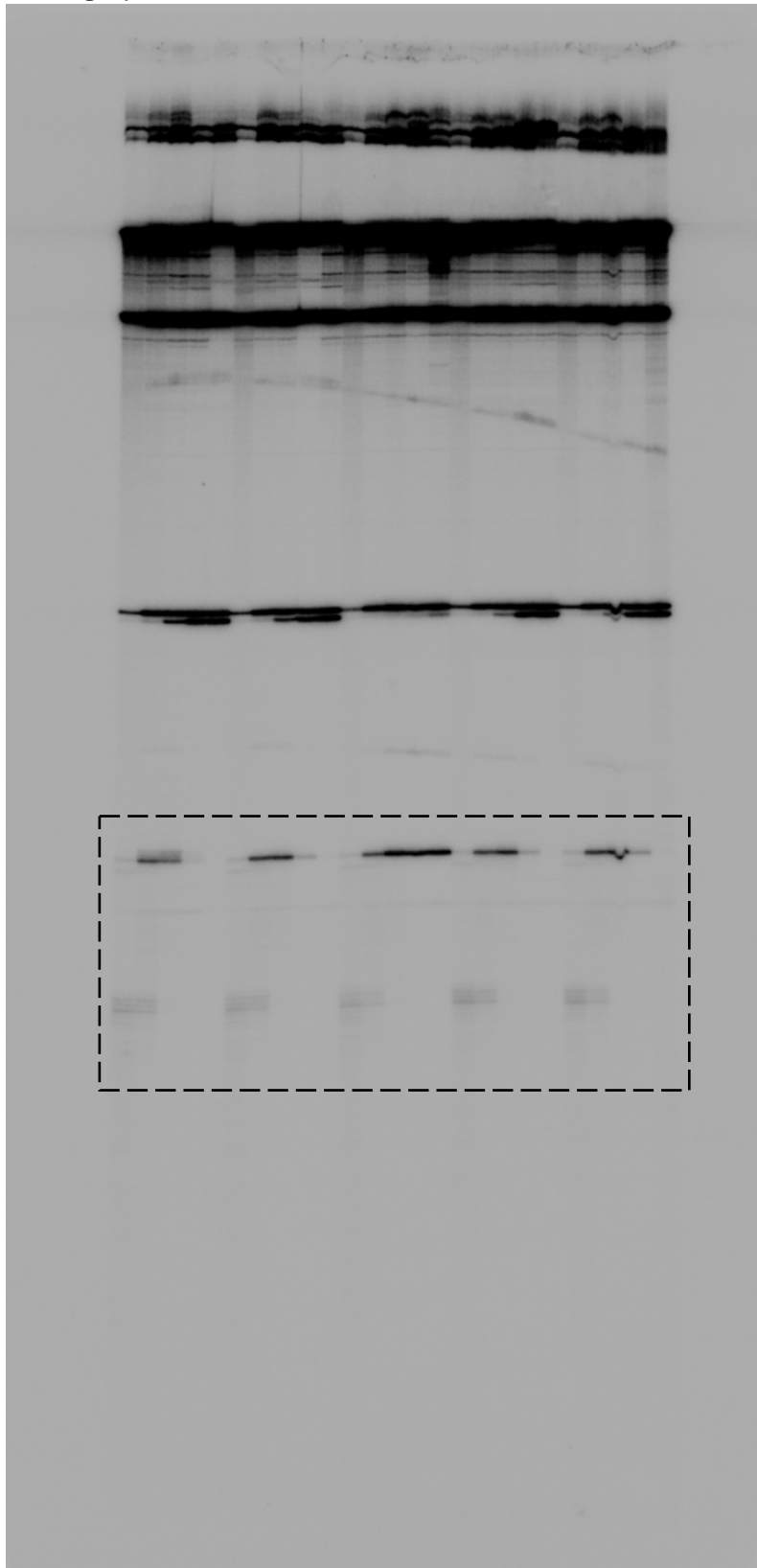
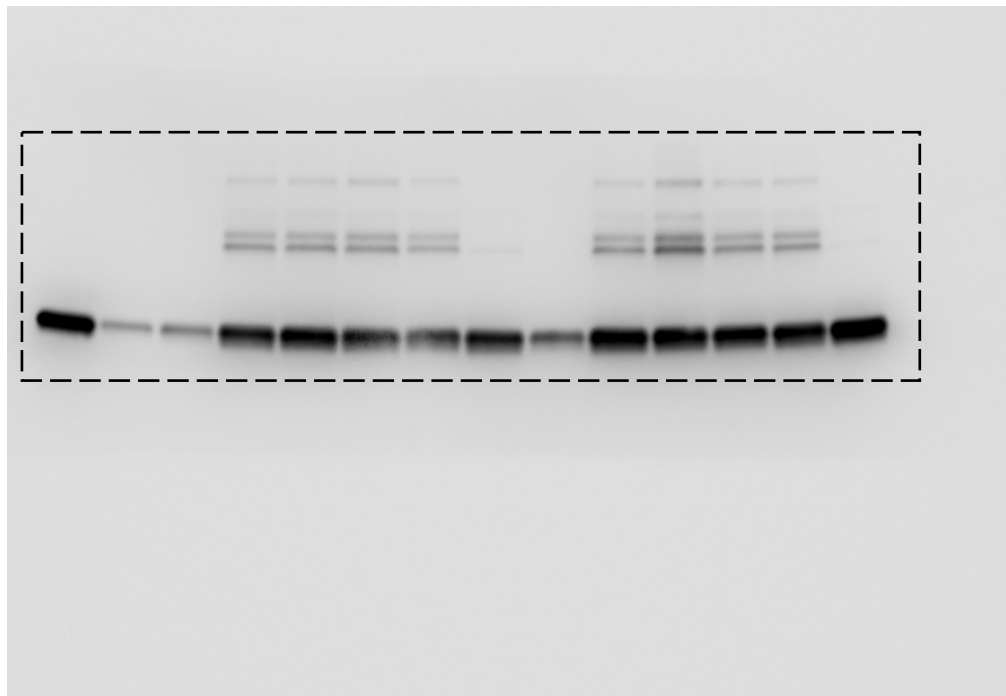
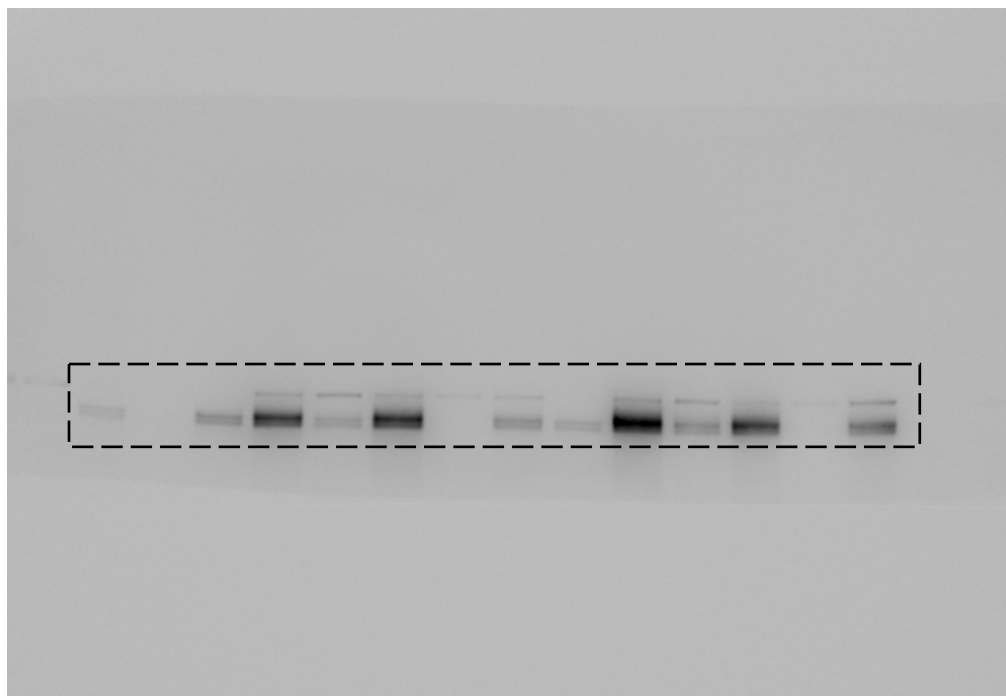


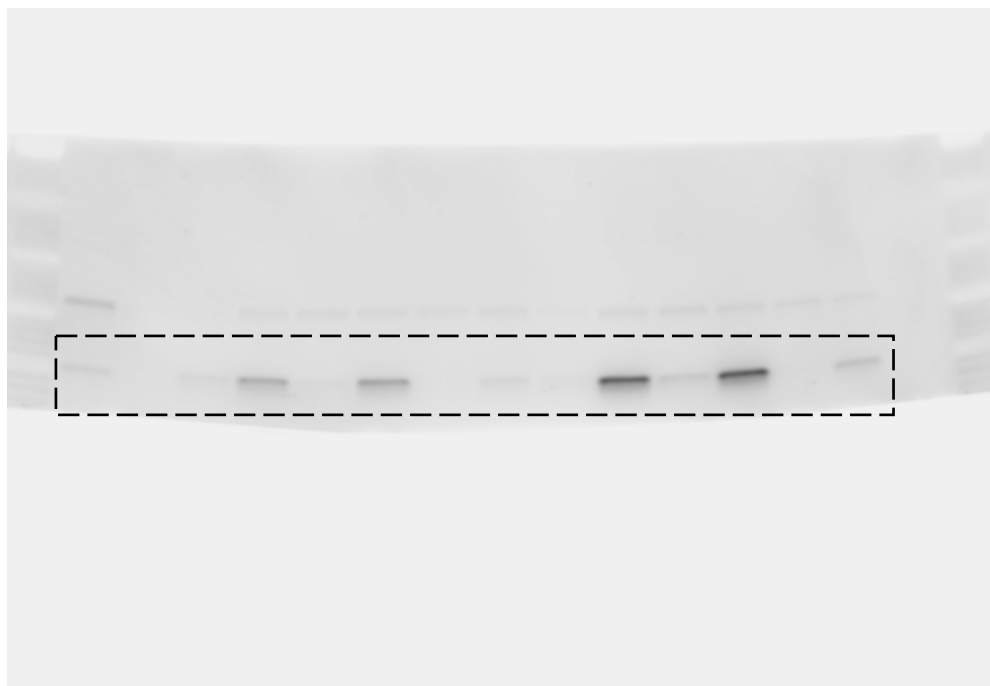
Figure 6D
Anti-Pcna blot



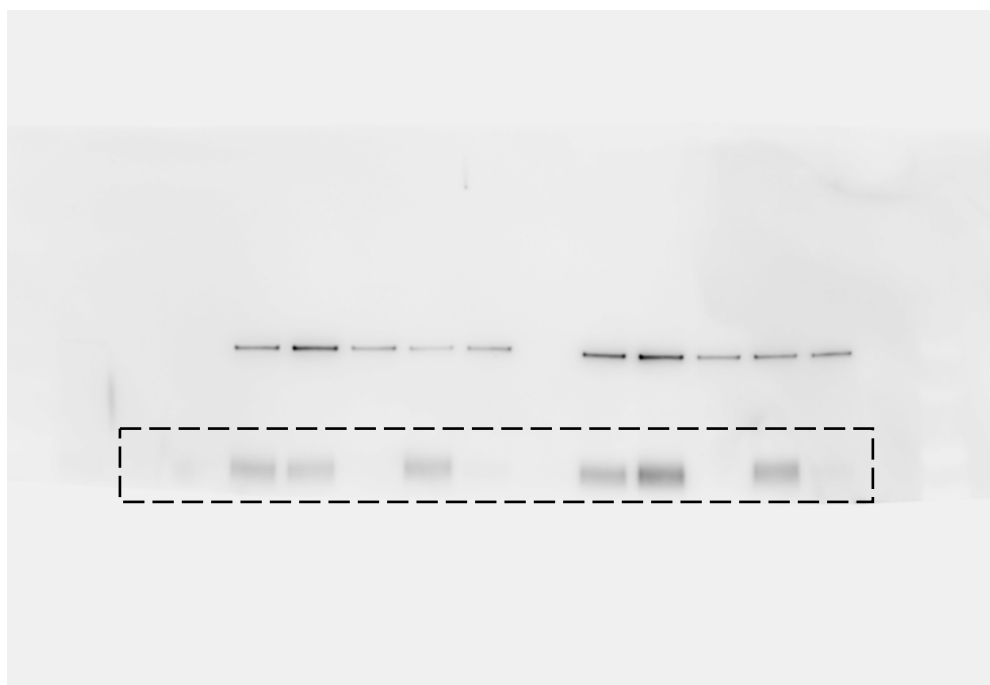
Anti-Rev1 blot



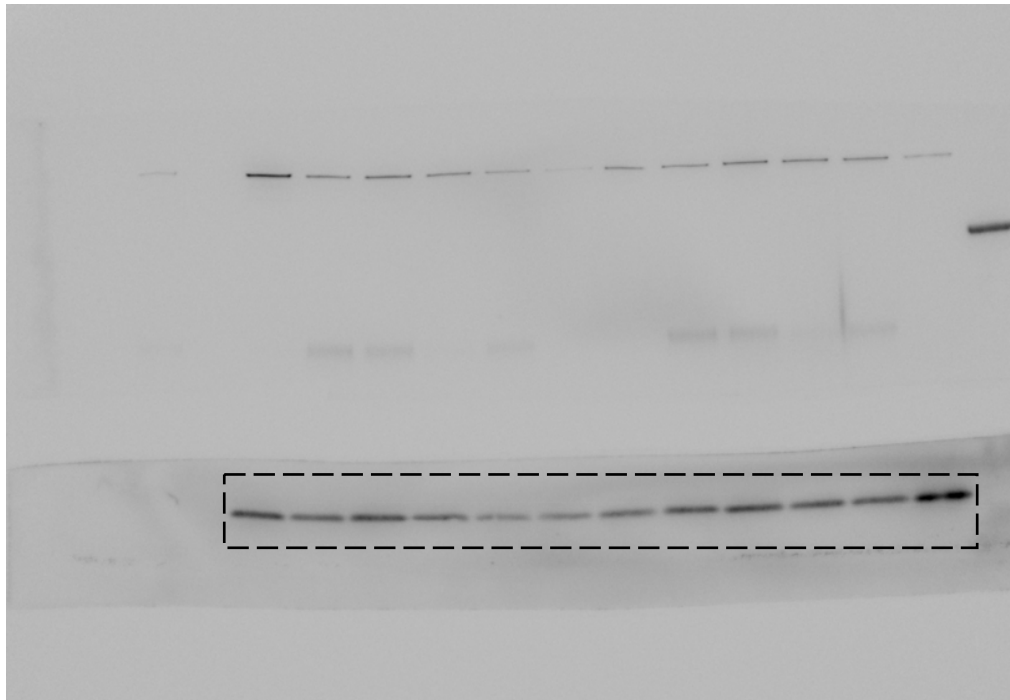
Anti-Rev7 blot



Anti-Pol eta blot



Anti-H3



Anti-Pol kappa

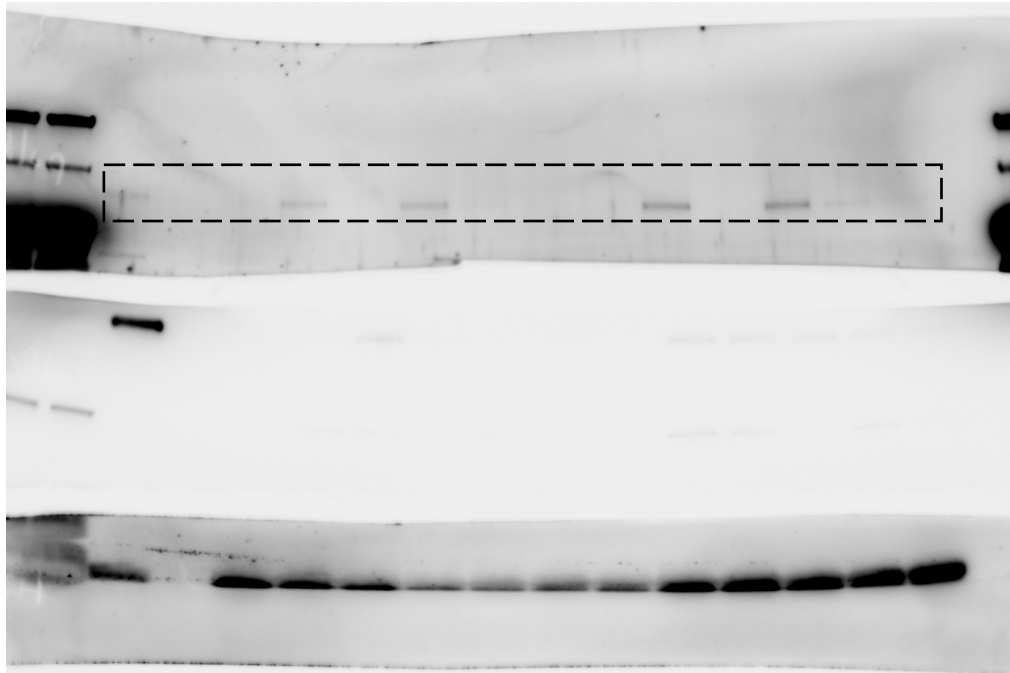
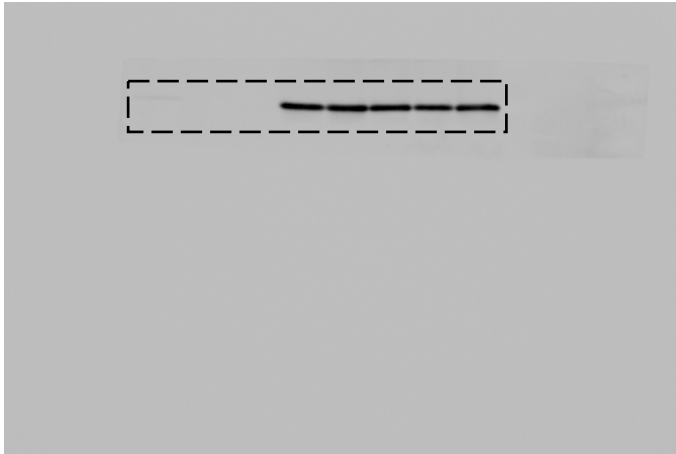
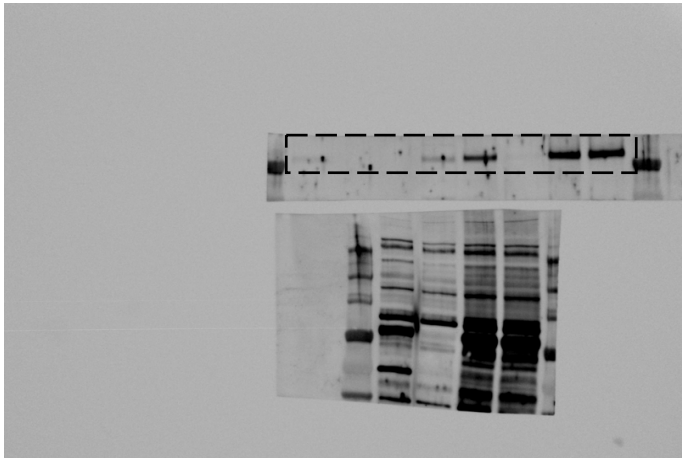


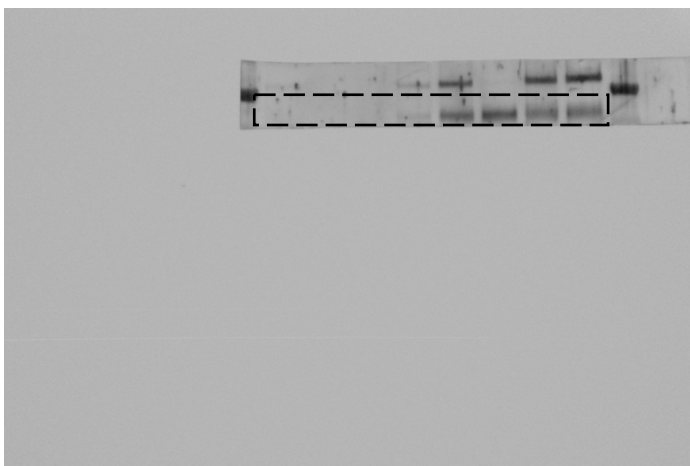
Figure 6E
Anti-H3 blot



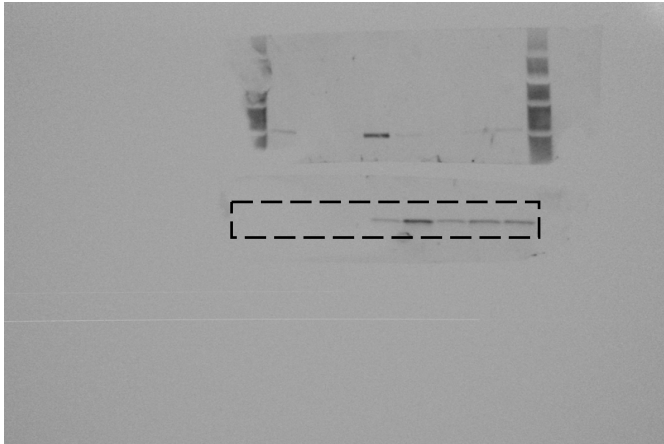
Anti-Pol kappa



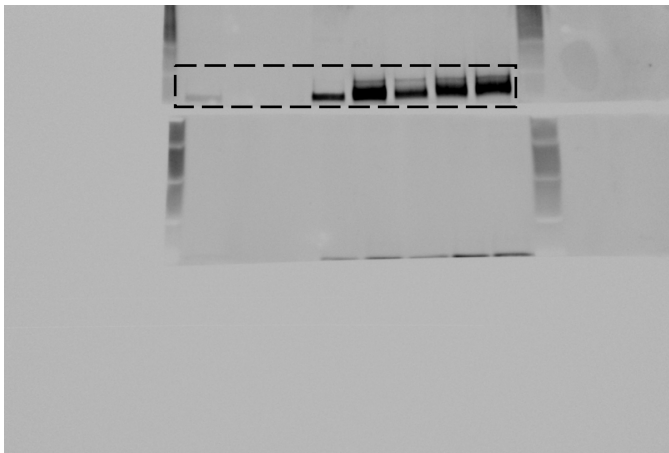
Anti-Pol eta



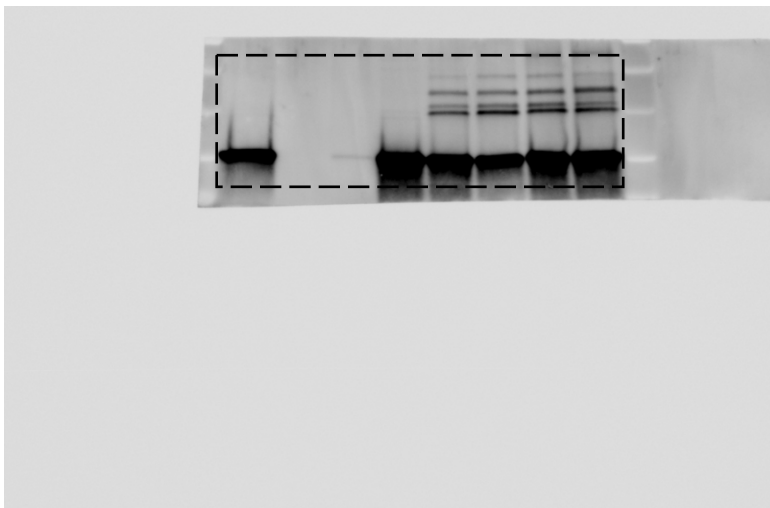
Anti-Rev7 blot



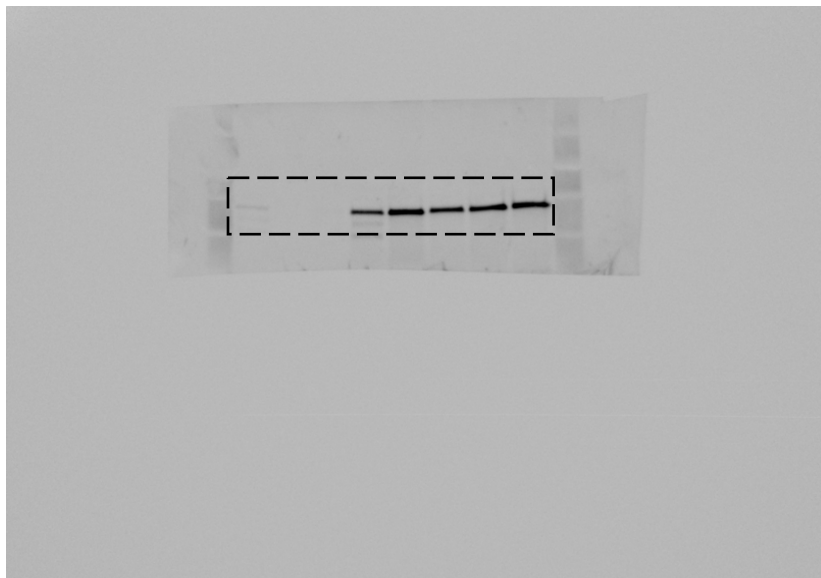
Anti-Rev1 blot



Anti-Pcna

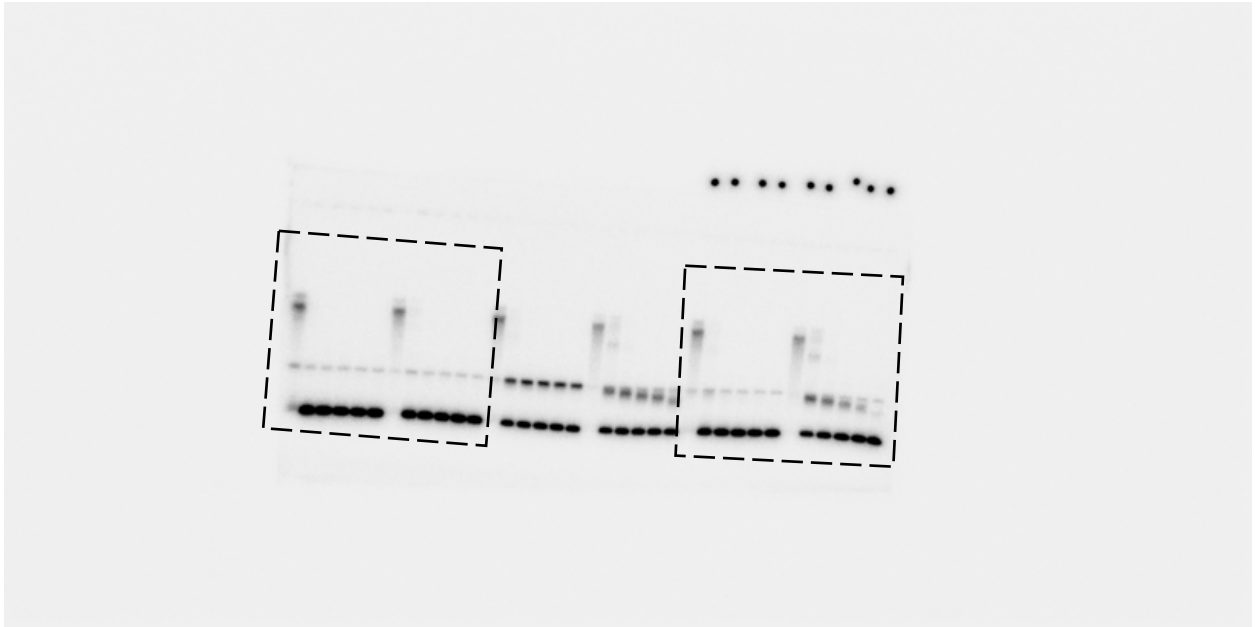


Anti-Scai blot



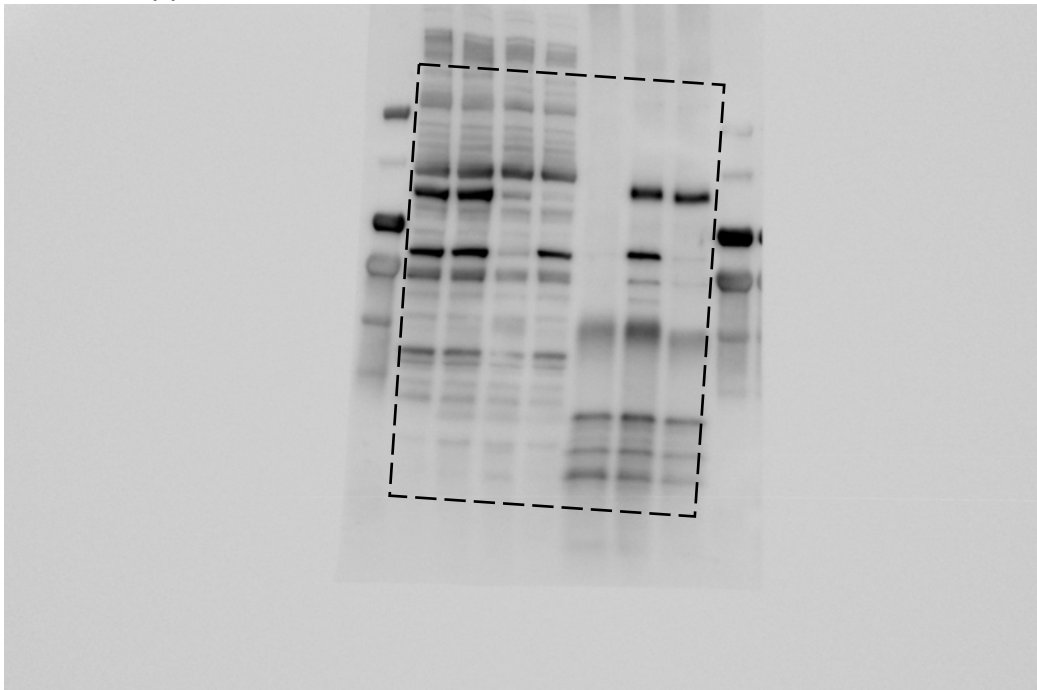
Extended Data 1D

Radiograph replication reaction



Extended Data 1F

Anti-Pol kappa blot

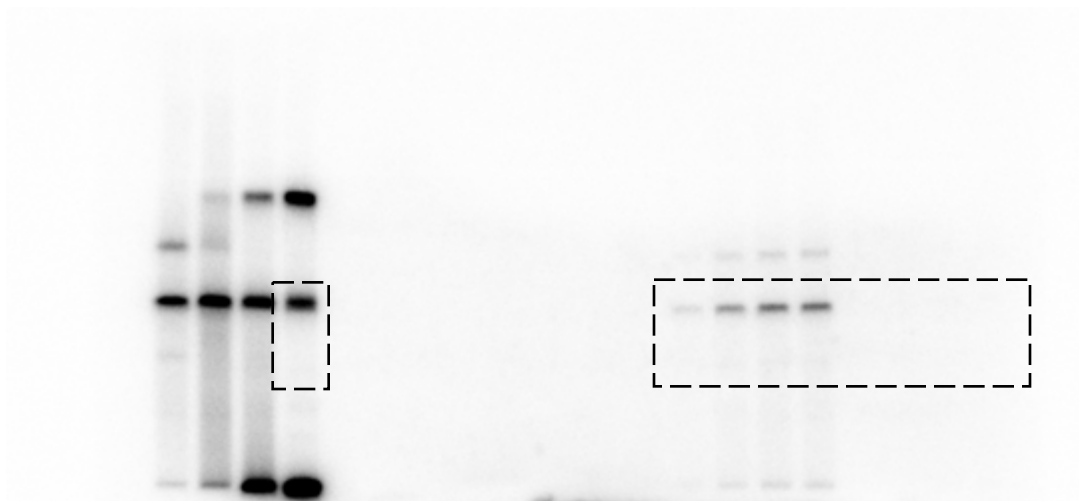


Extended Data 1G

Coommassie stain

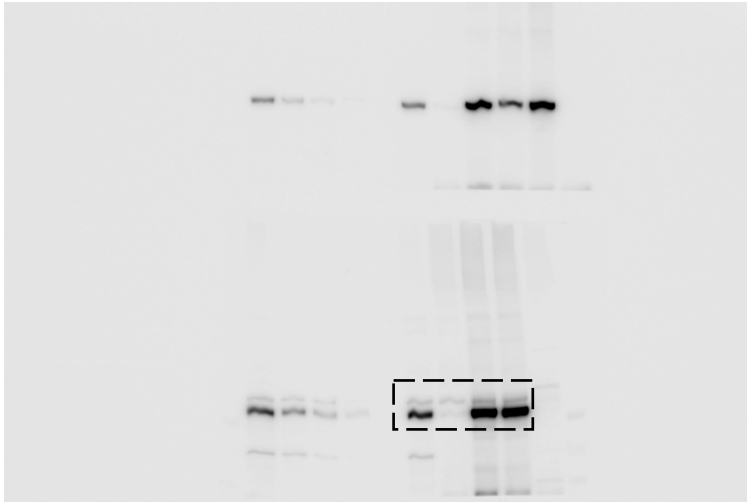


Extended Data 1H

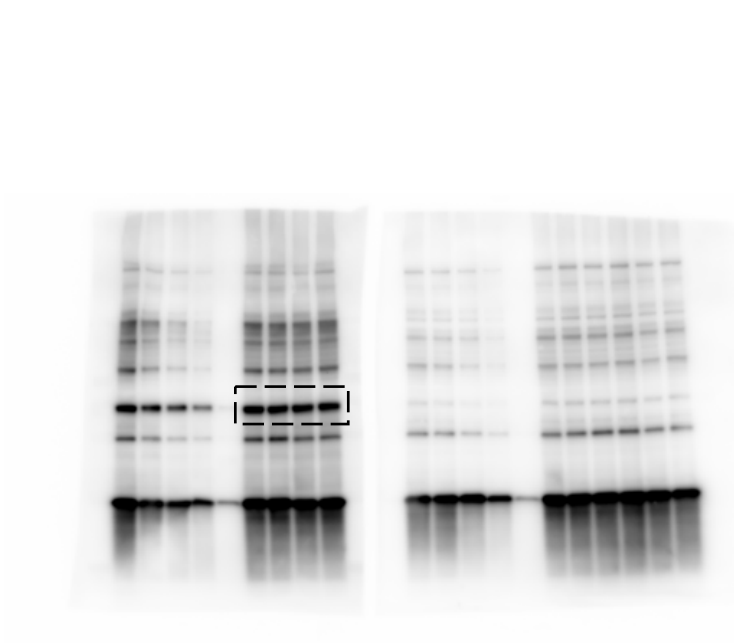


Extended Data 2A

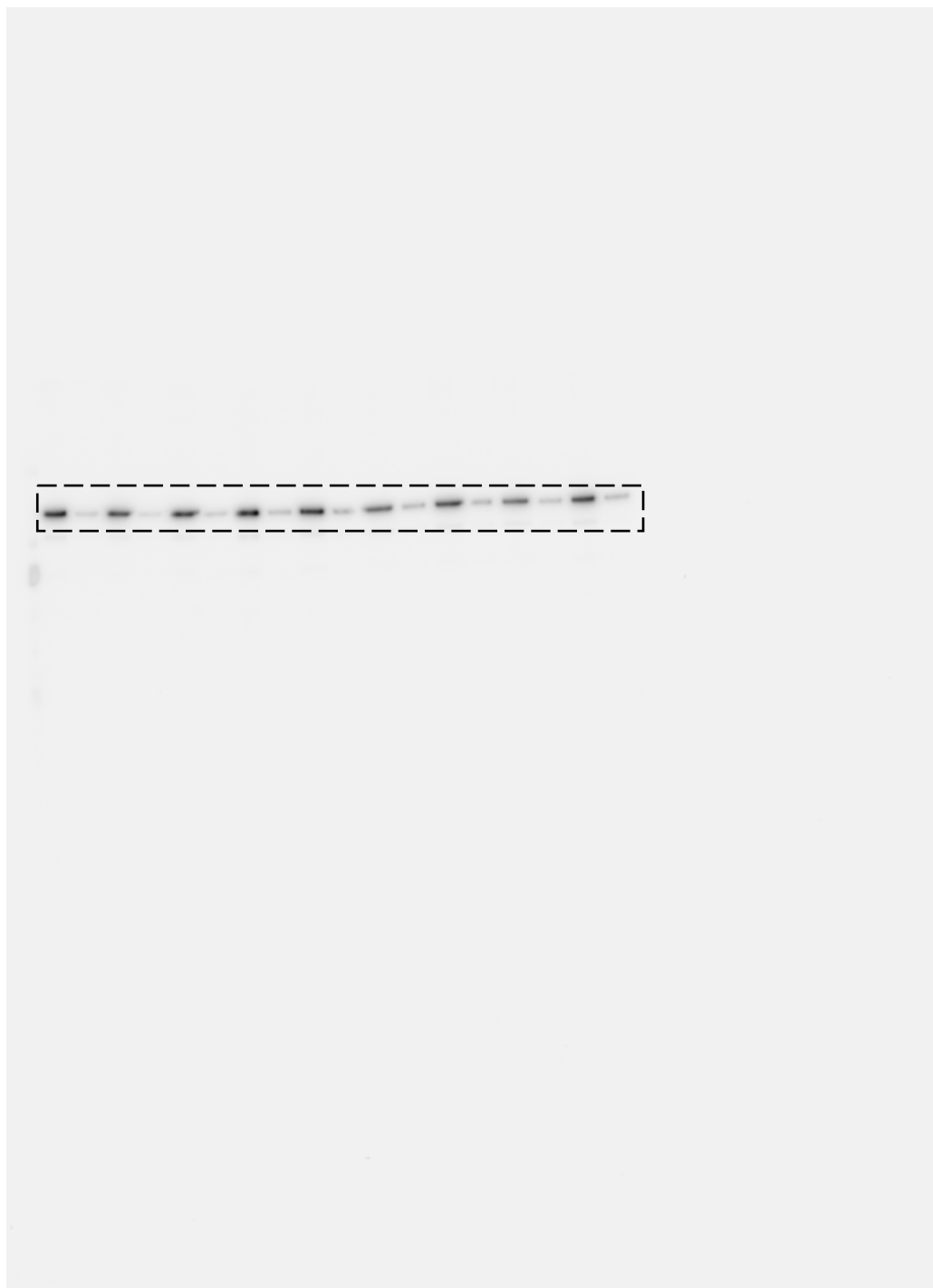
Anti-Pol kappa blot



Anti-Orc2 blot

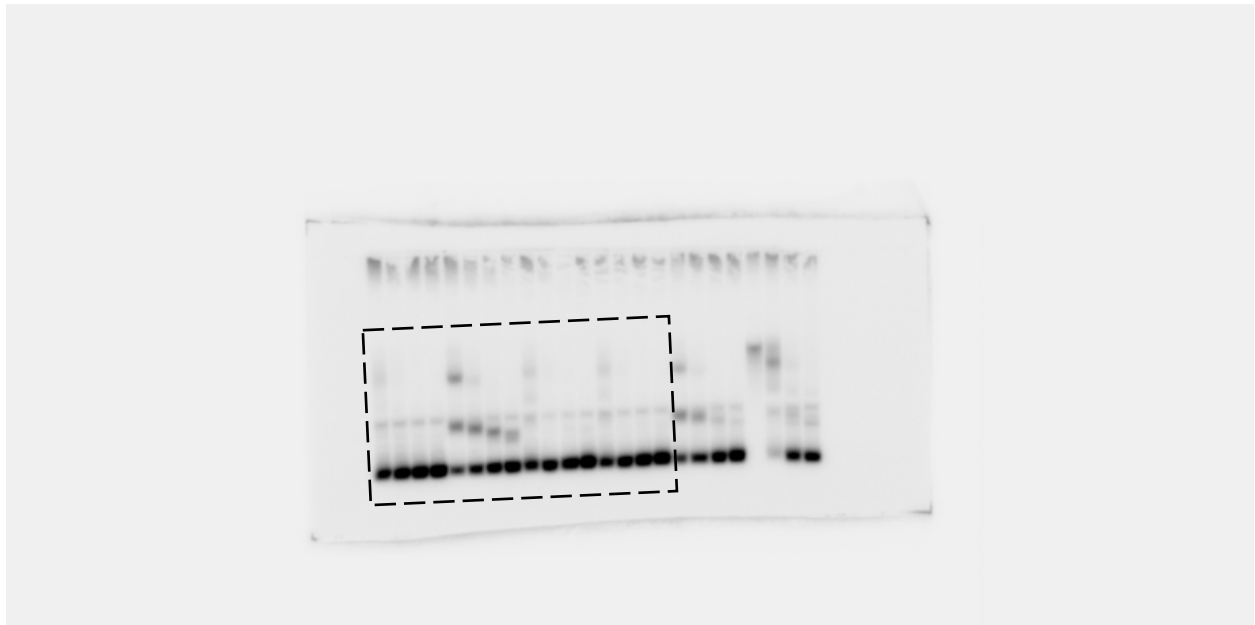


Anti-HIS blot



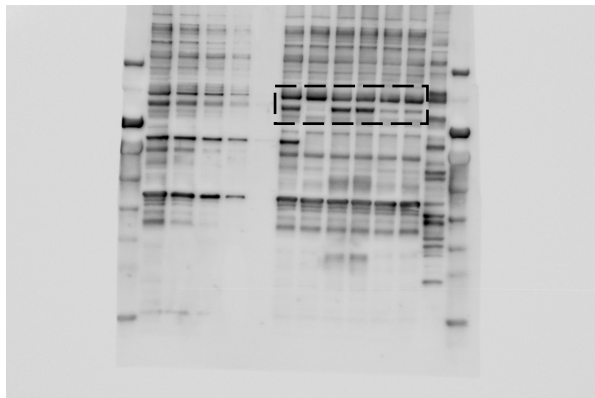
Extended Data 2B

Radiograph replication reaction

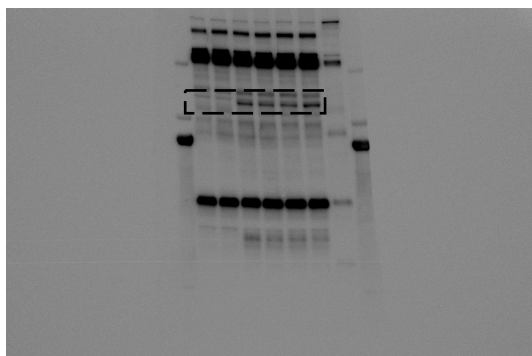


Extended Data 2C

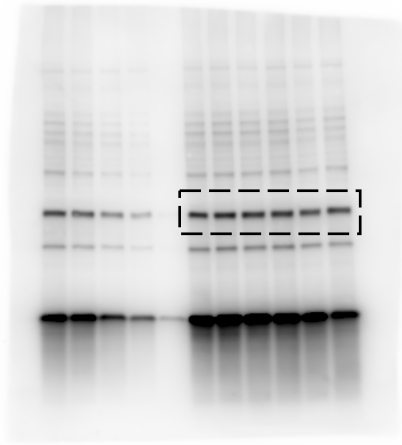
Anti-Pol kappa blot



Anti-HIS blot

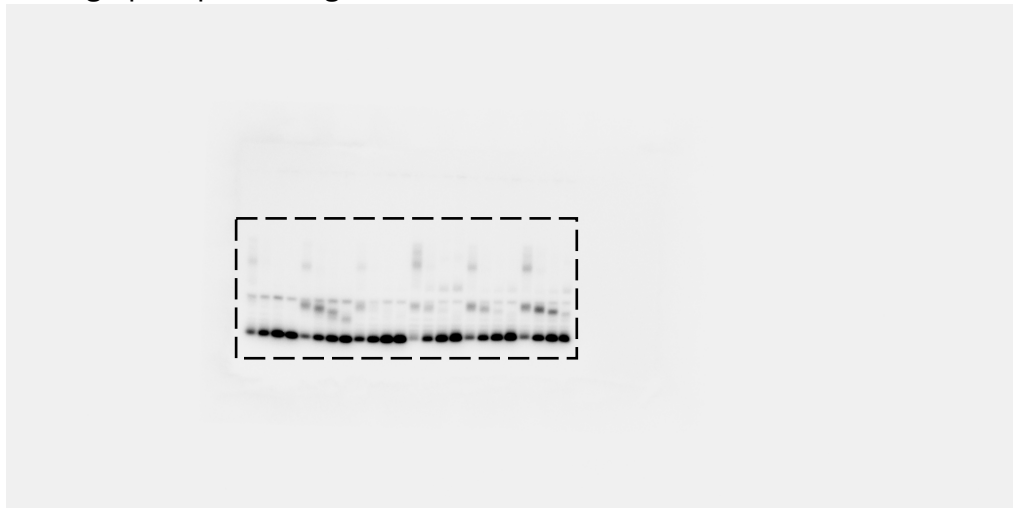


Anti-Orc2 blot



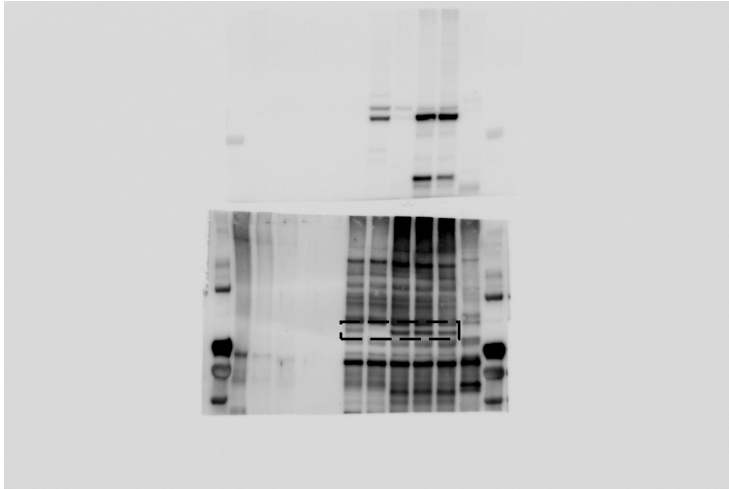
Extended Data 2D

Radiograph replication gel

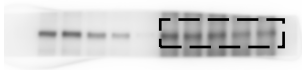


Extended Data 2E

Anti-Pol kappa blot

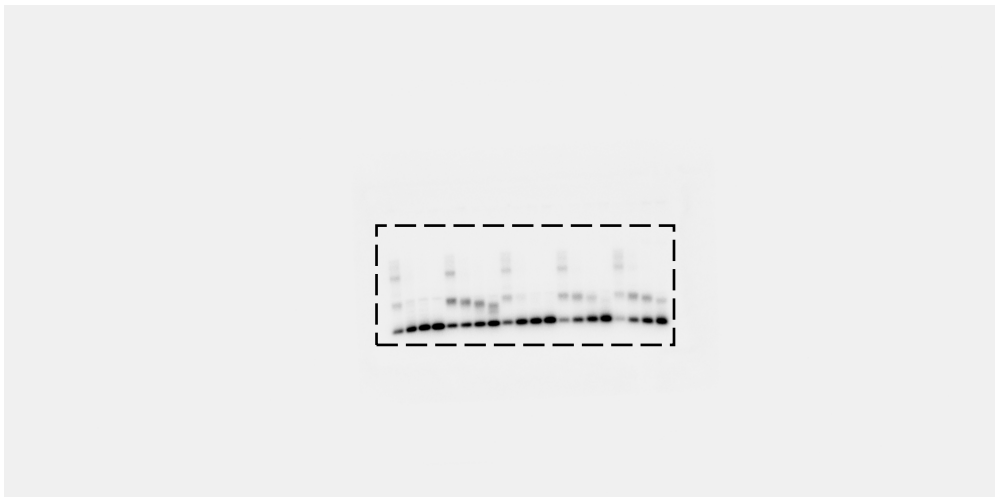


Anti-Orc2



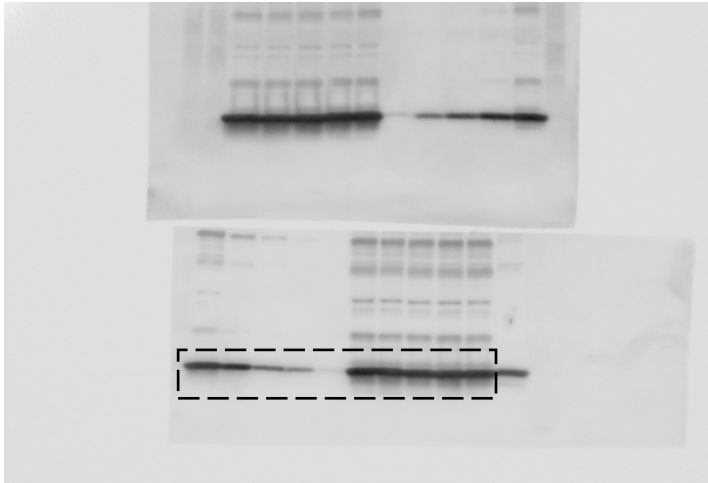
Extended Data 2F

Radiograph replication reaction

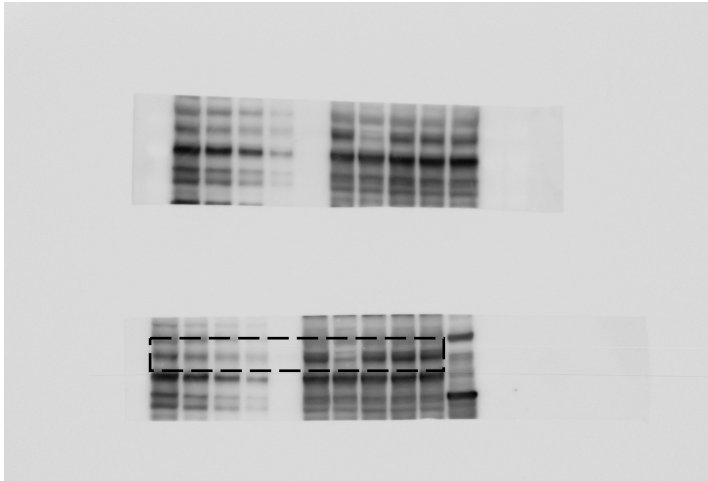


Extended Data 3A

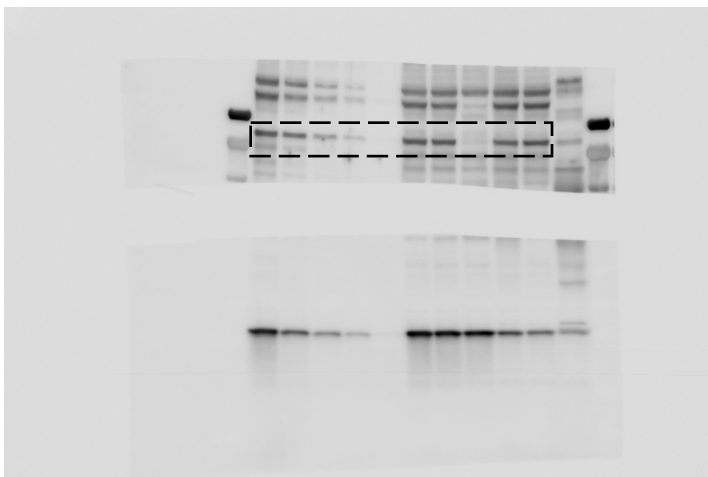
Anti-H3 blot



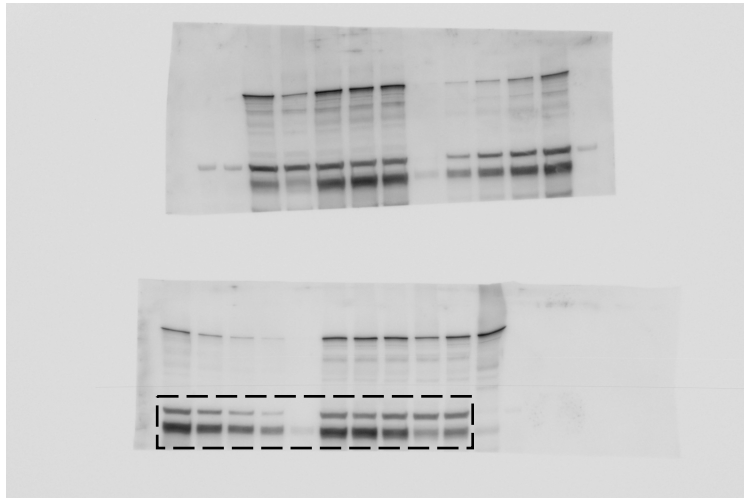
Anti-Pol eta blot



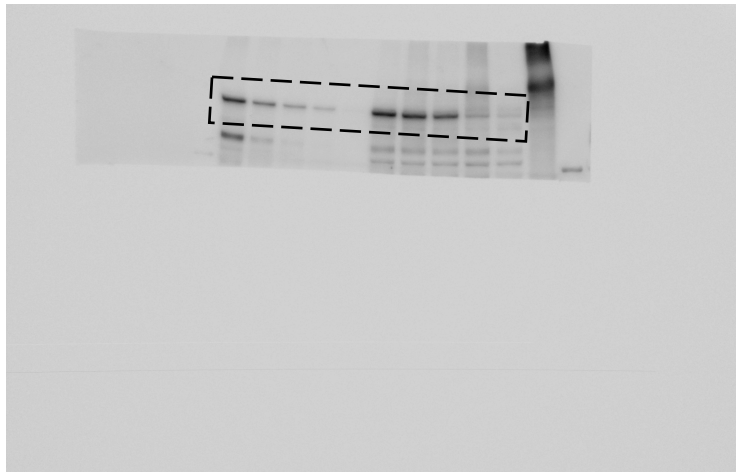
Anti-Pol kappa blot



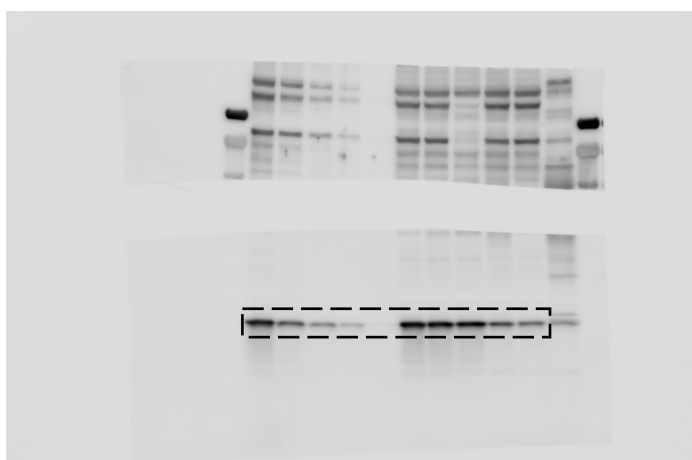
Anti-Rev1 blot



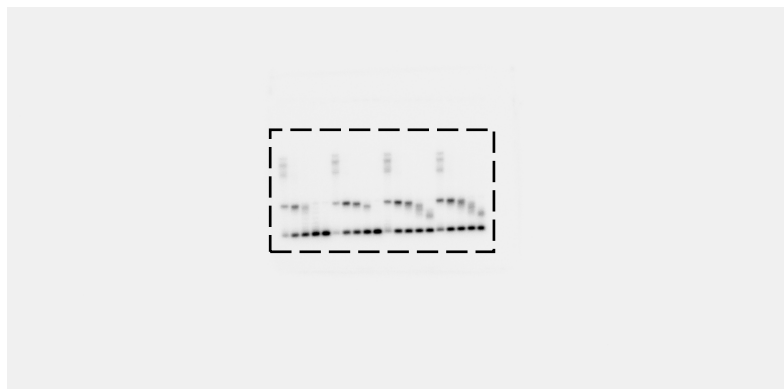
Anti-Rev3 blot



Anti-Rev7

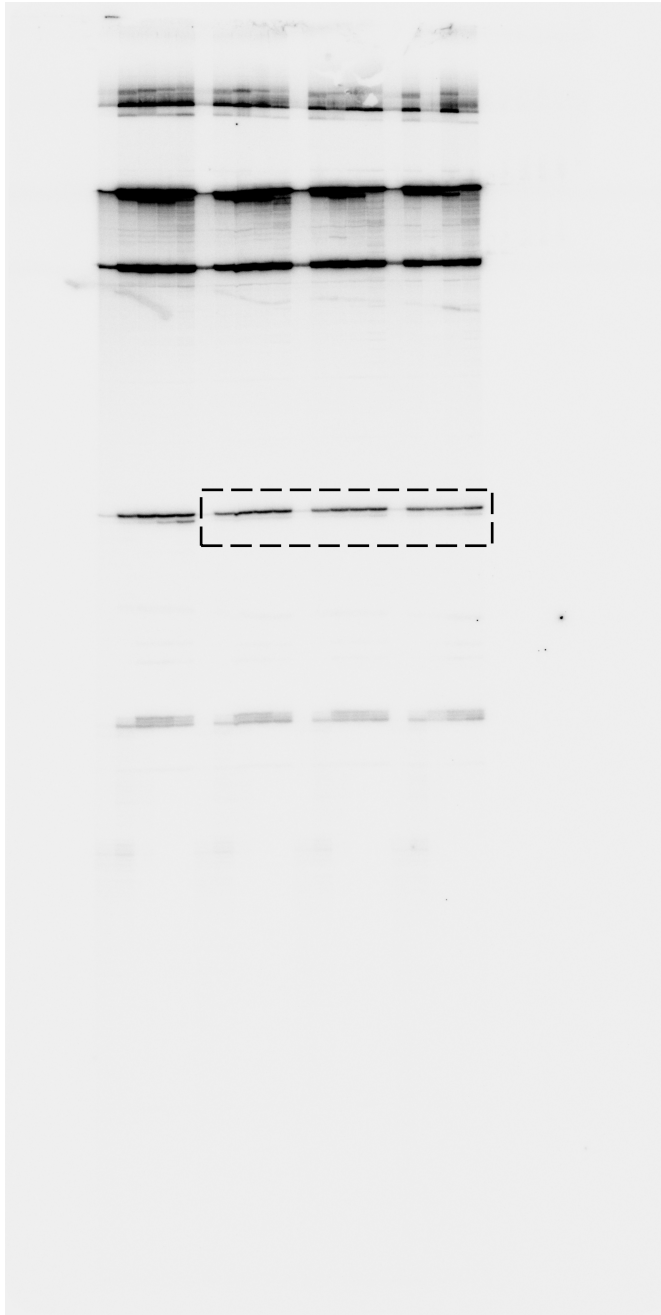


Extended Data 3C

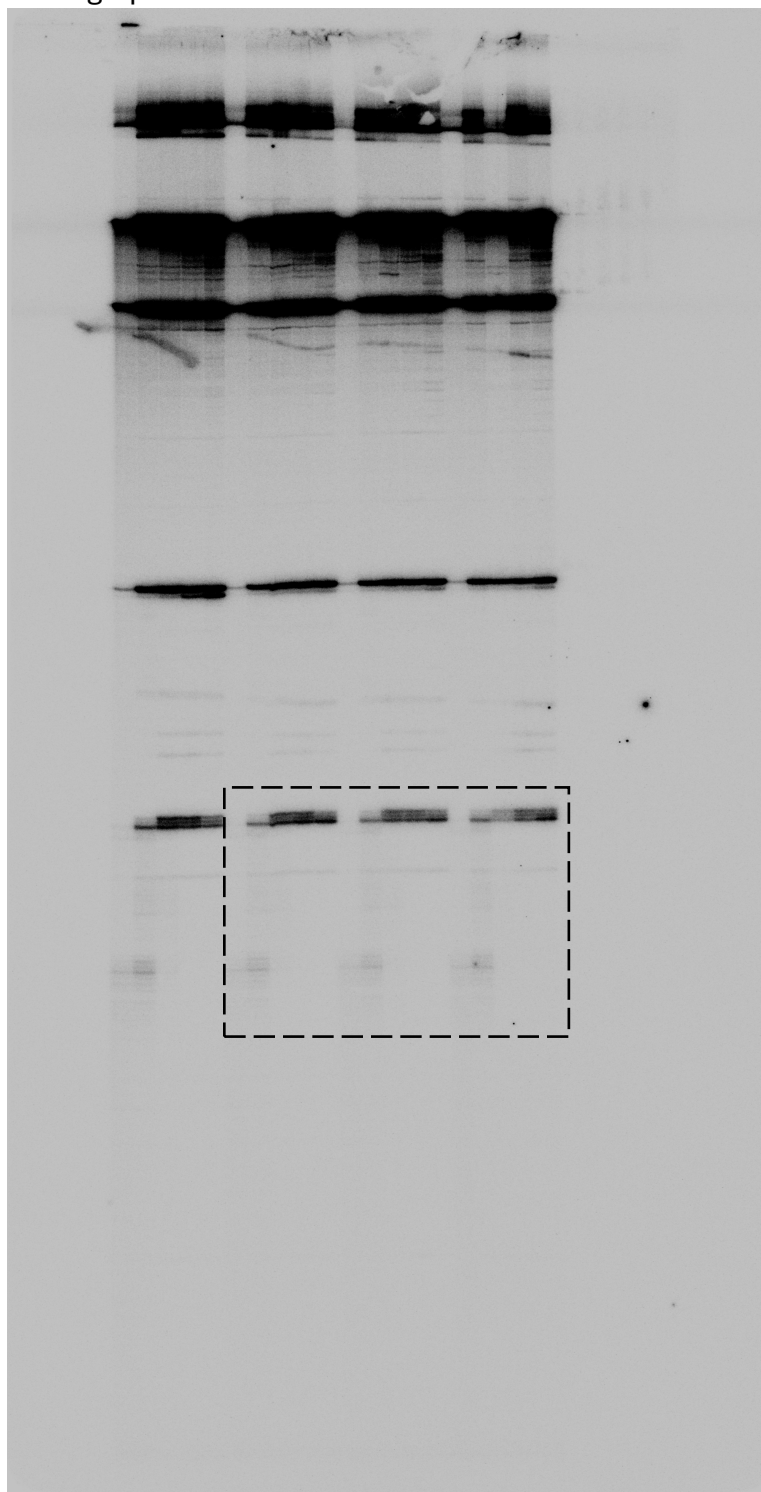


Extended Data 3D

Radiograph extension products

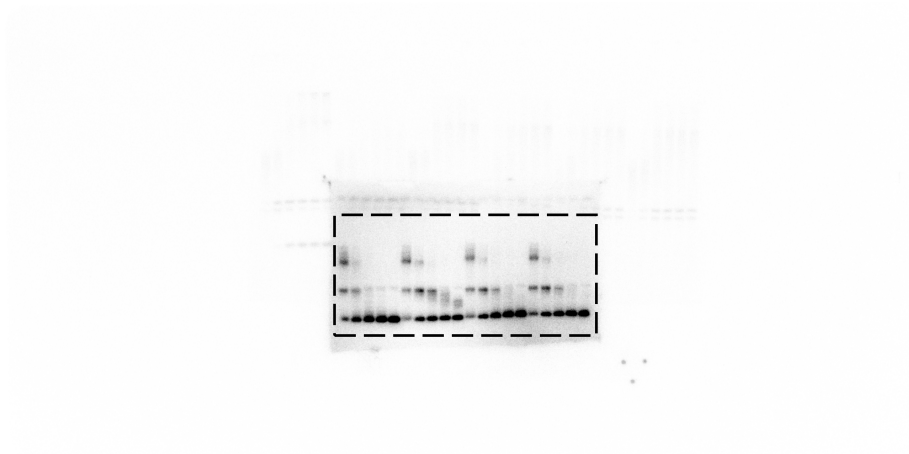


Radiograph nascent strands



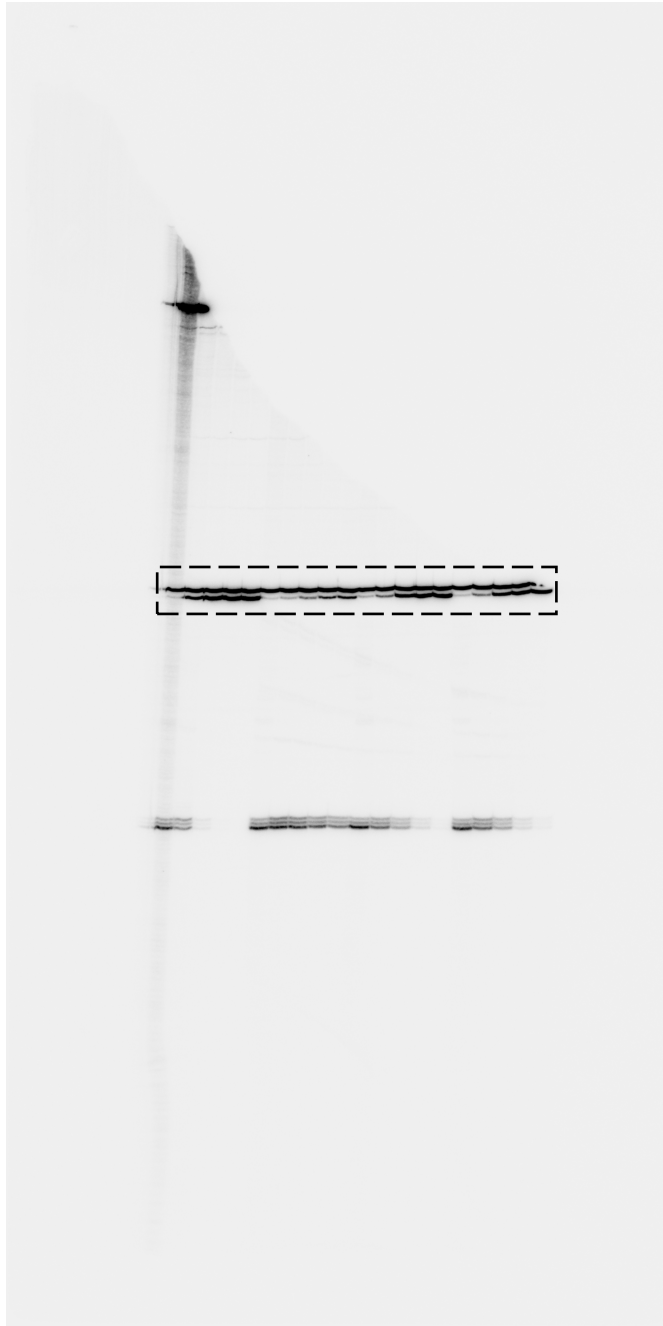
Extended Data 4B

Radiograph replication reaction

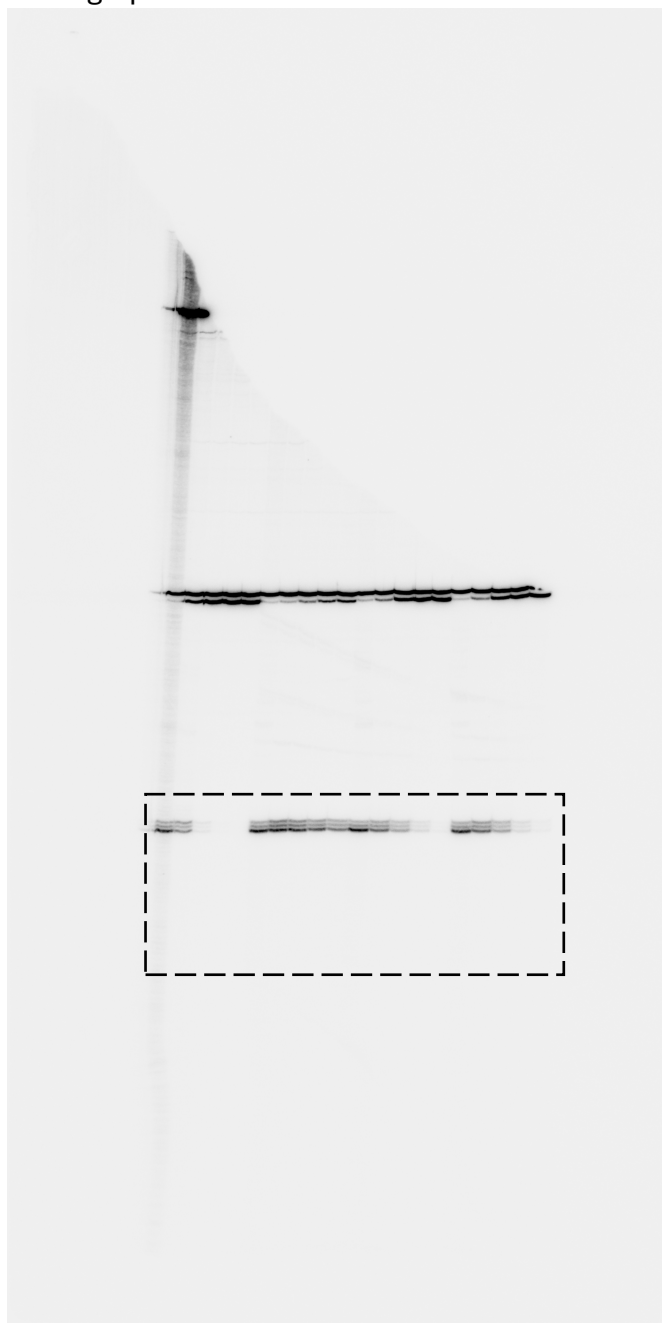


Extended Data 4C

Radiograph extension products

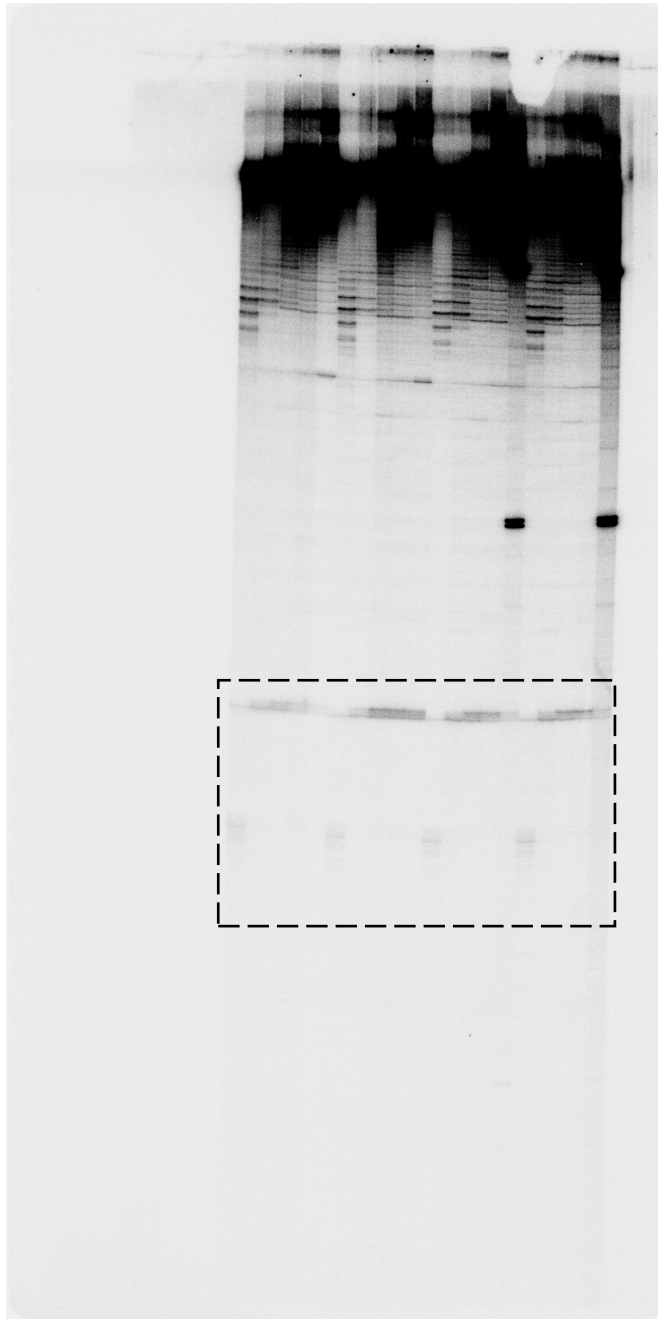


Radiograph nascent strands



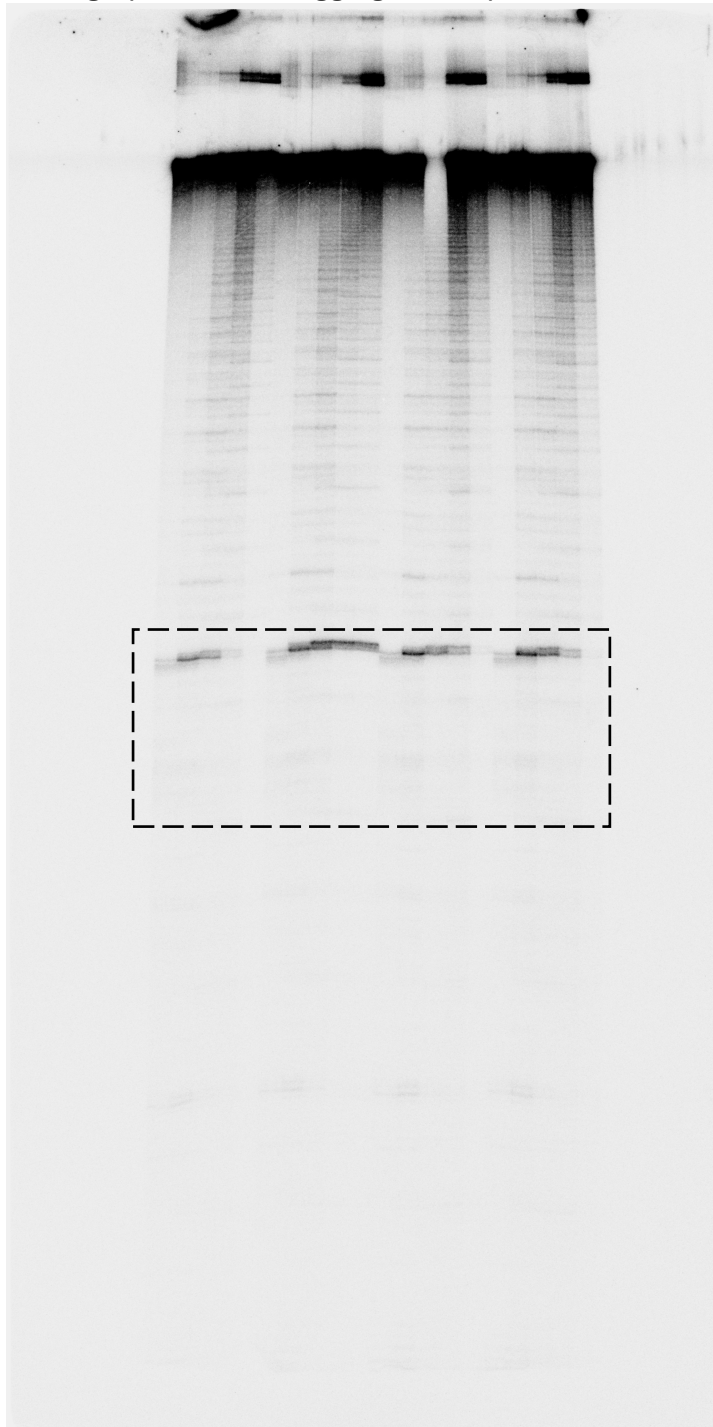
Extended Data 4D

Radiograph nascent leading strand products



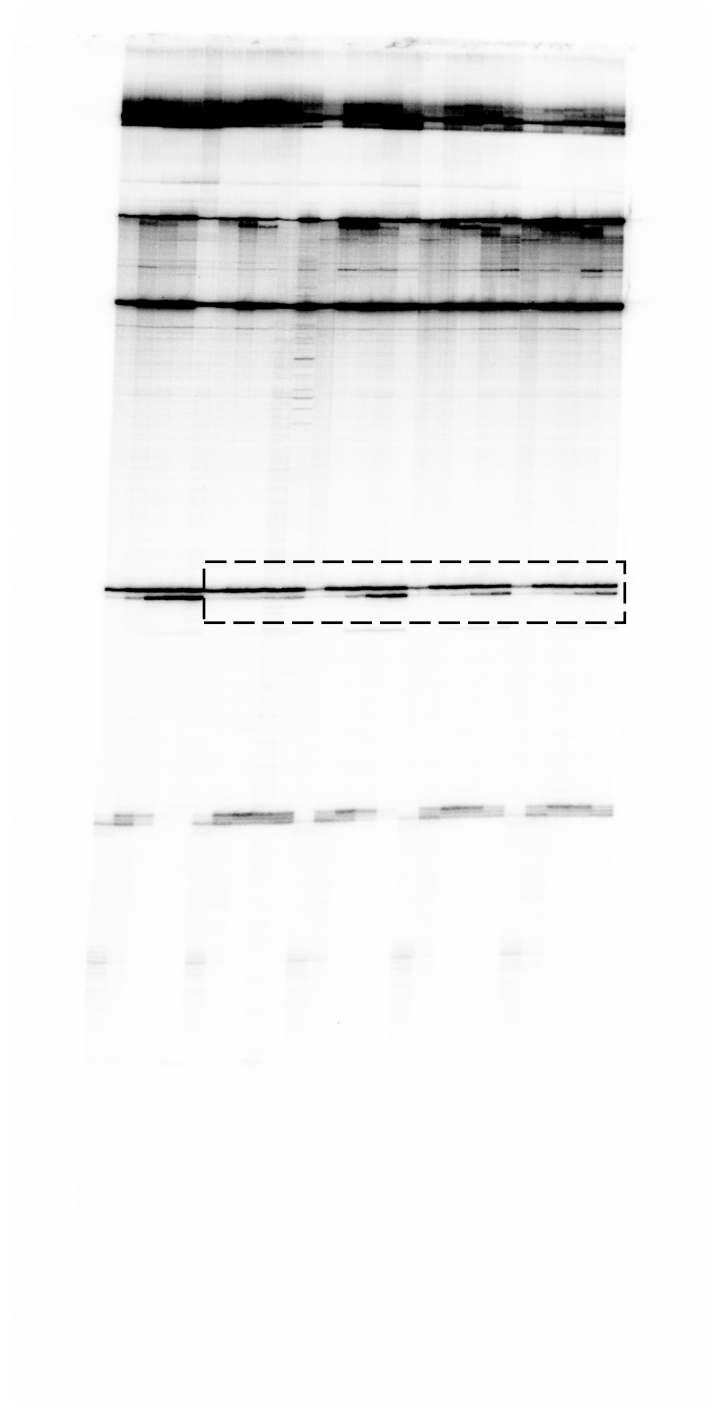
Extended Data 4E

Radiograph nascent lagging strand products

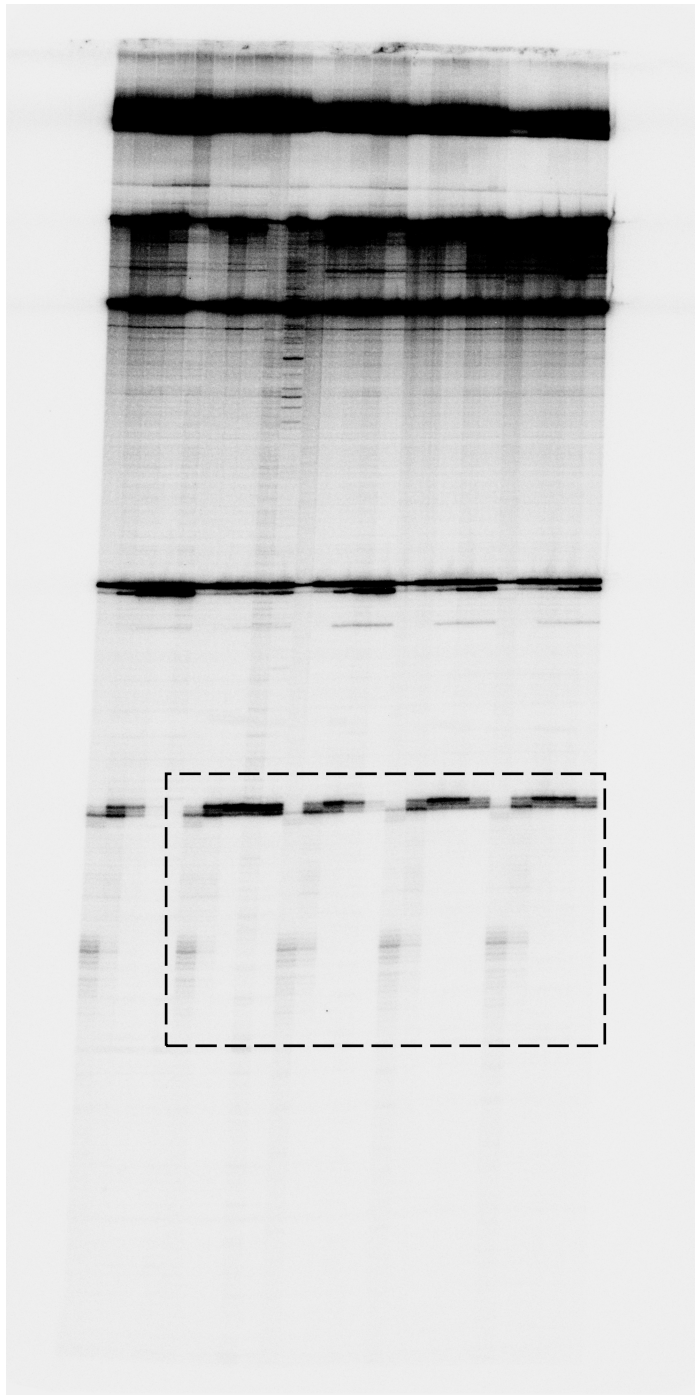


Extended Data 4F

Radiograph extension products

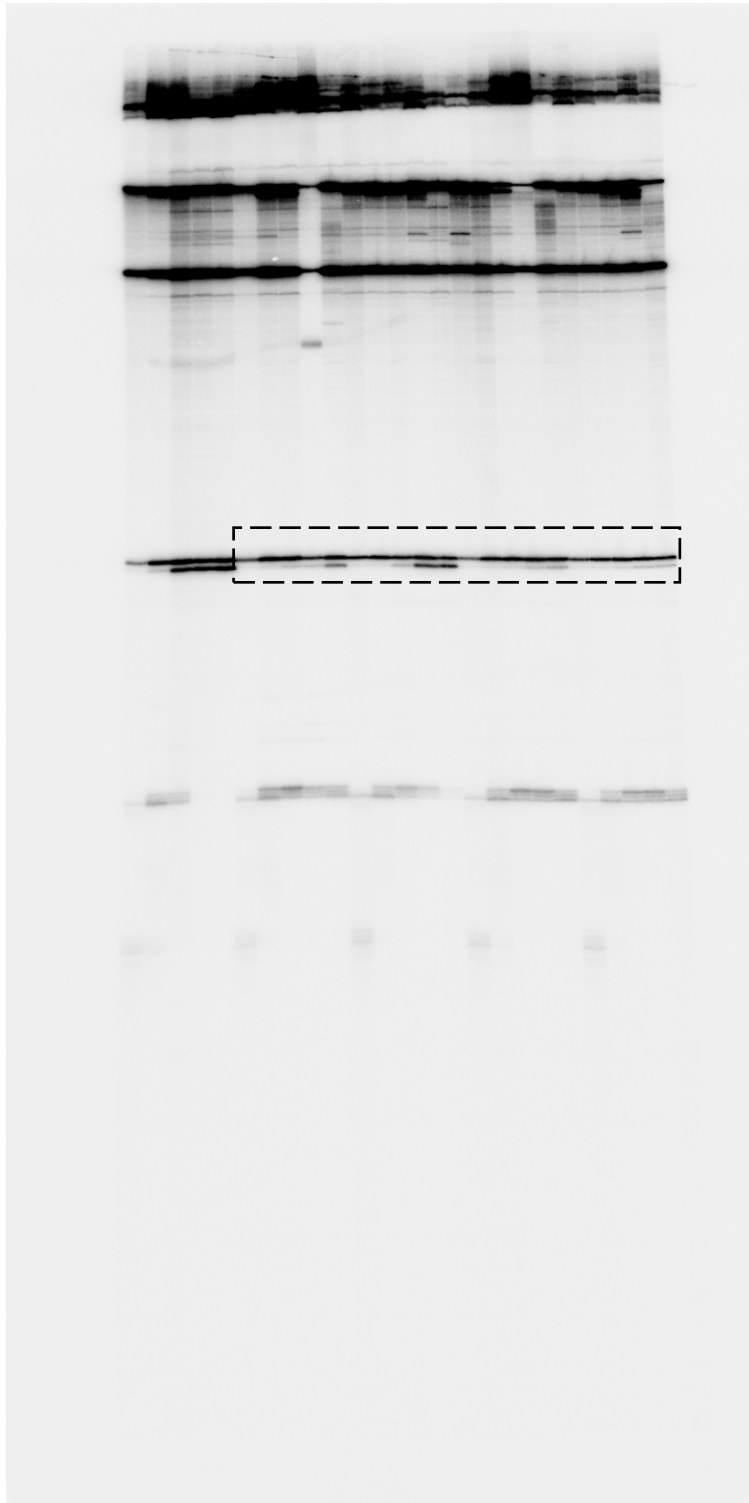


Radiograph nascent strands

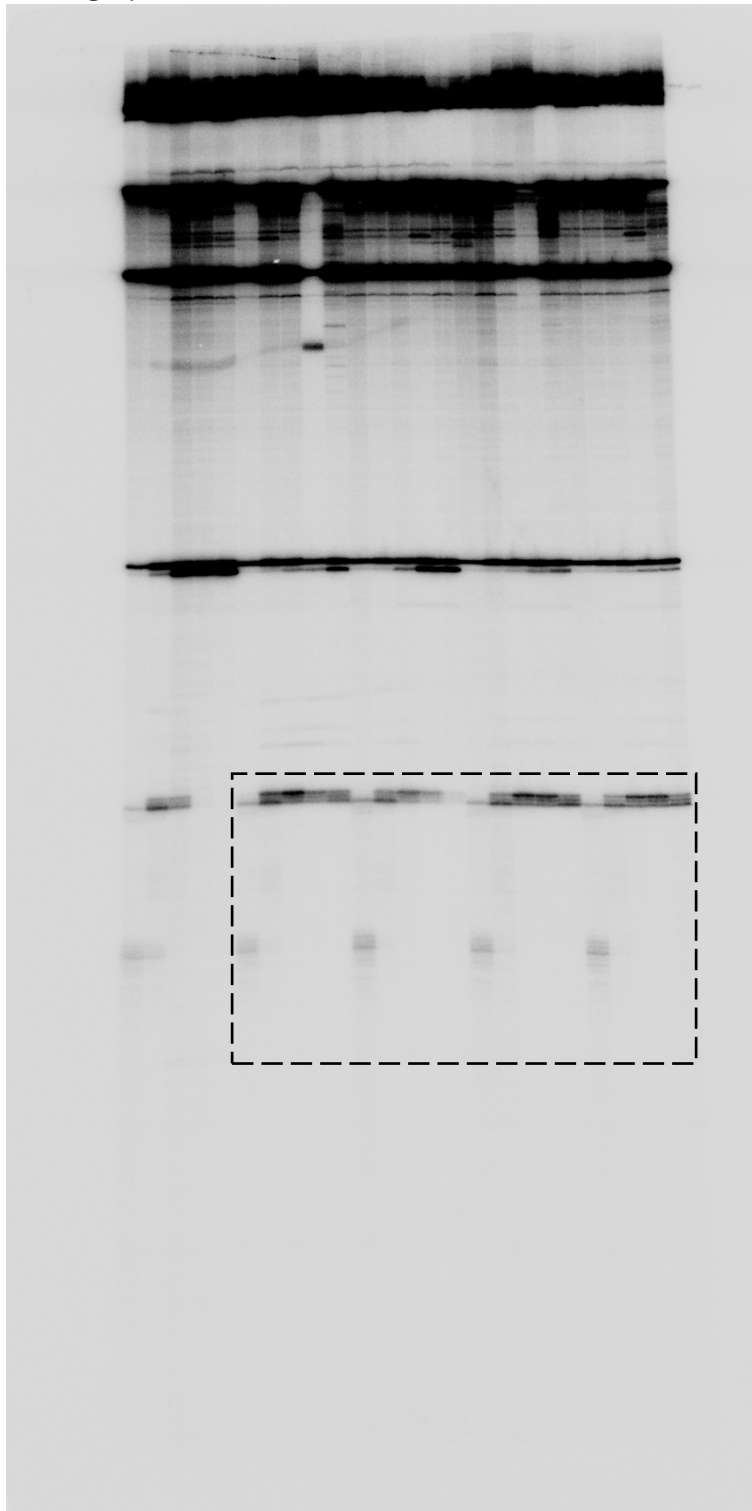


Extended Data 4G

Radiograph extension products

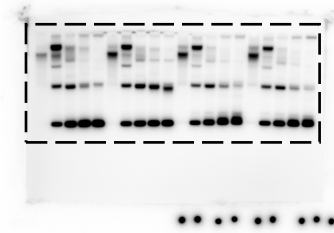


Radiograph nascent strands



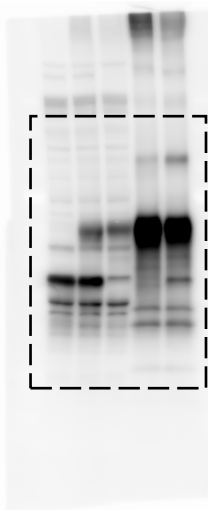
Extended Data 5A

Radiograph replication reaction



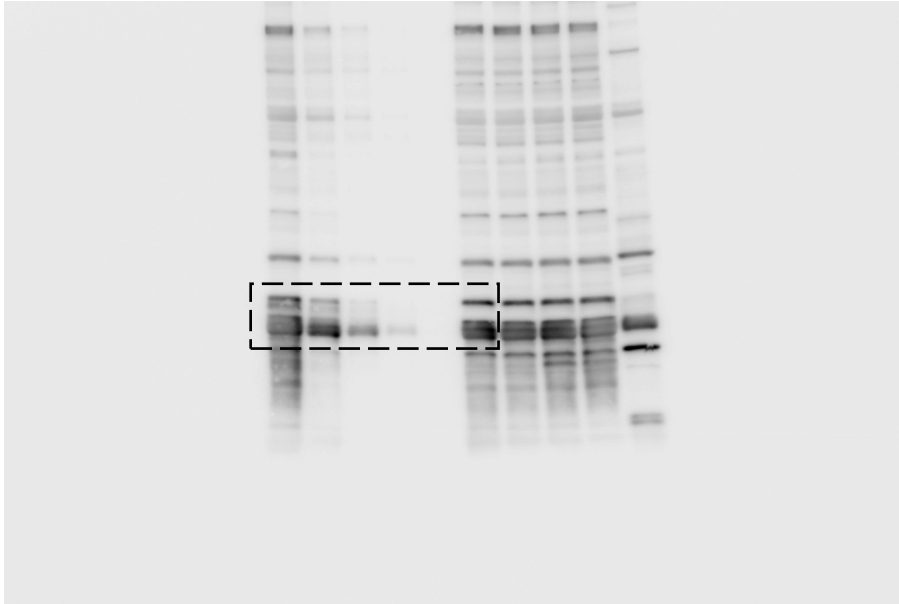
Extended Data 5B

Anti-Hmces Blot

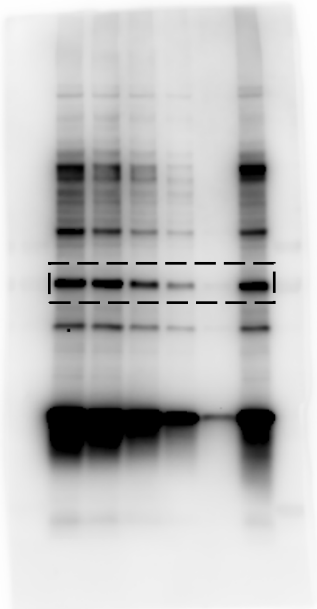


Extended Data 5C

Anti-Hmces Blot

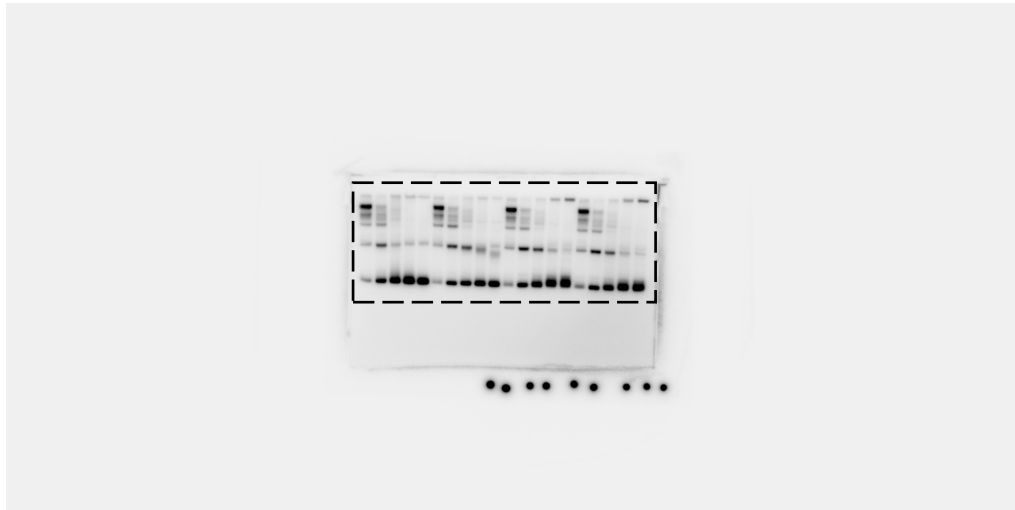


Anti-Orc2 blot



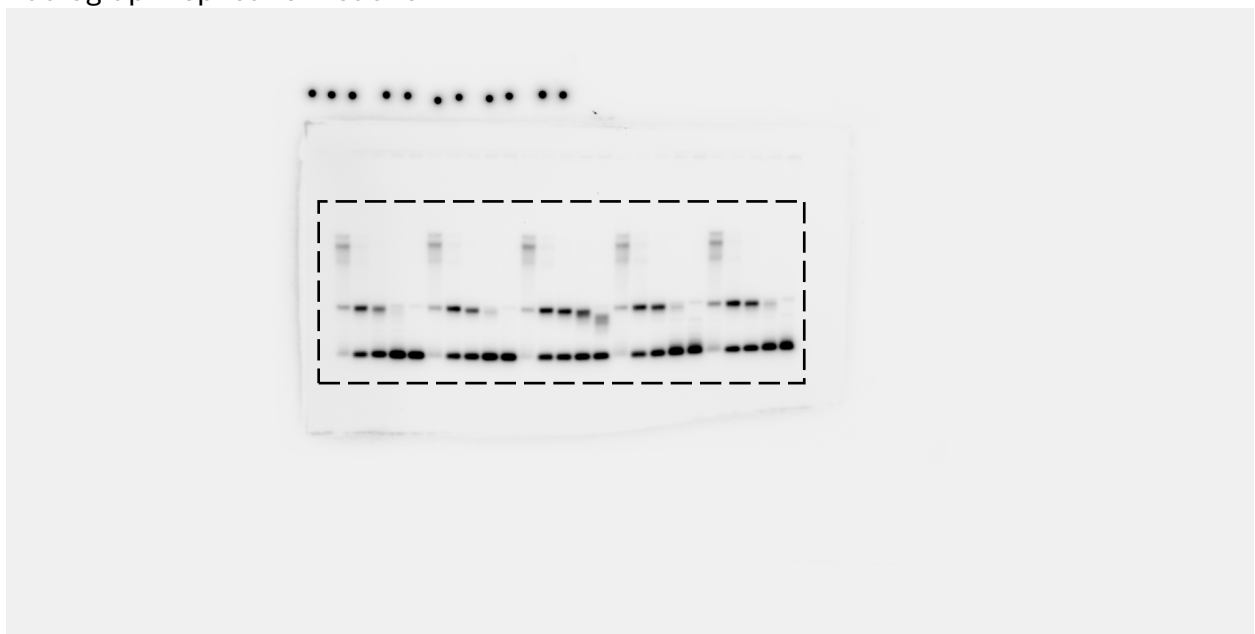
Extended Data 5D

Radiograph replication reaction



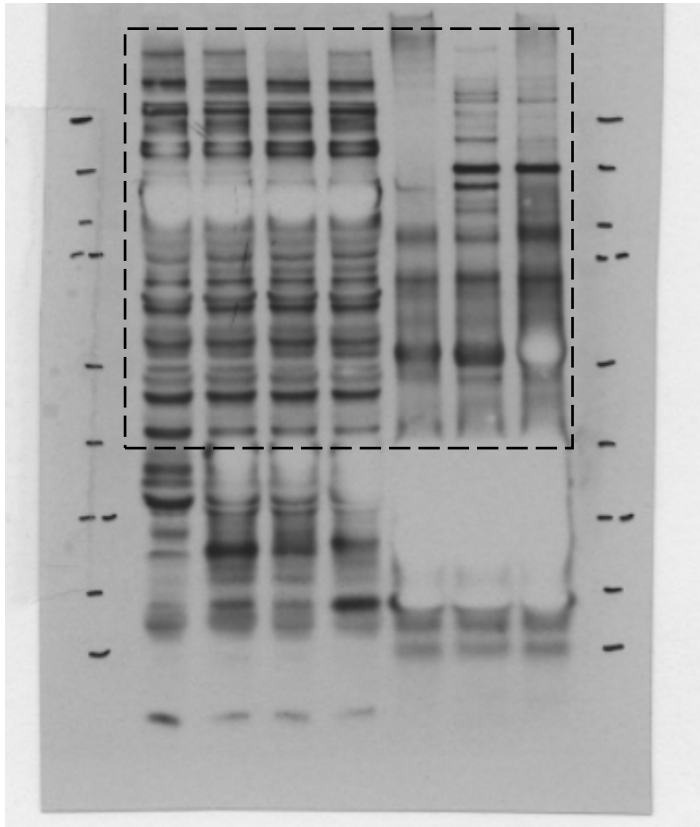
Extended Data 6A

Radiograph replication reaction



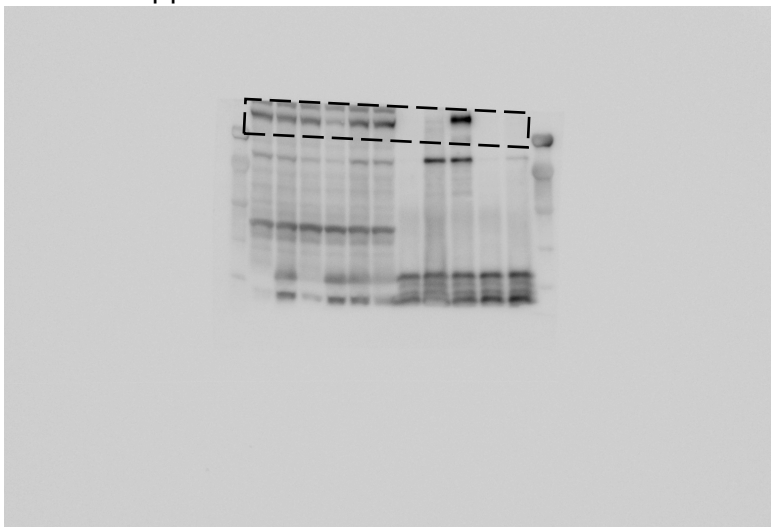
Extended Data 6E

Anti-FancA blot

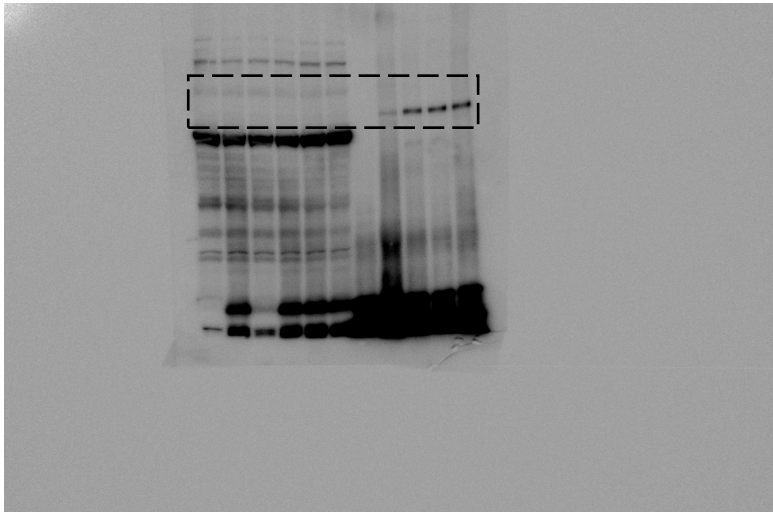


Extended Data 6F

Anti-Pol kappa



Anti-FancA blot

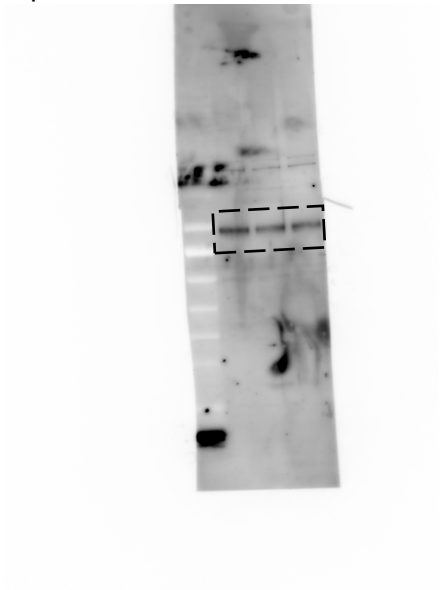


Extended Data 6G

Input anti-Pcna blot



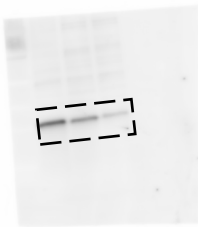
Input anti-Pol eta blot



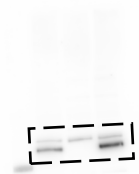
Input anti-Rev1 blot



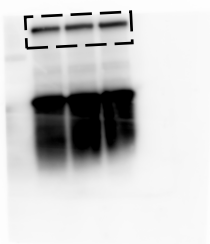
Input anti-Rev7 blot



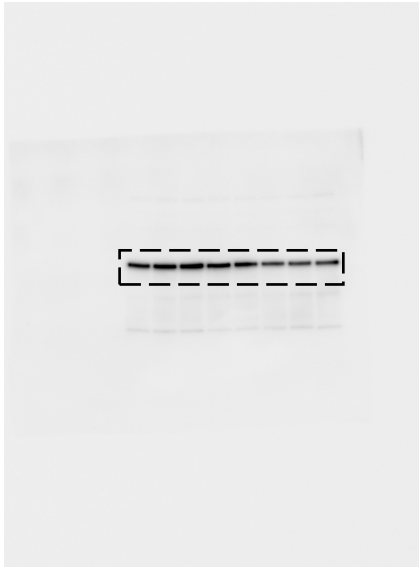
Input anti-Pol kappa blot



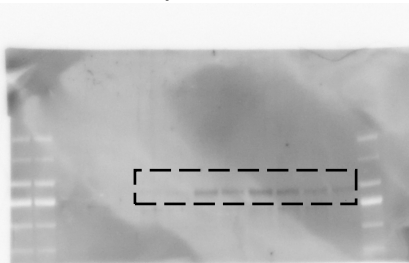
Input anti-Orc2 blot



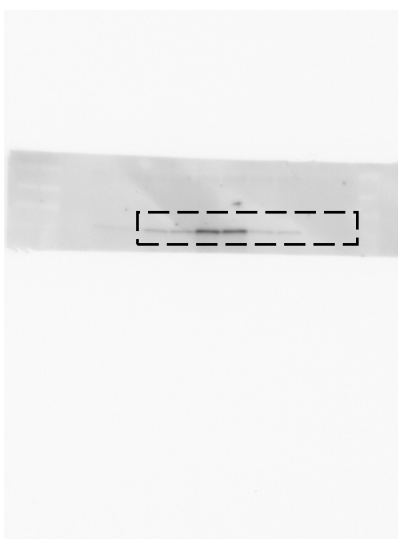
Chromatin spin down anti-Orc2 blot



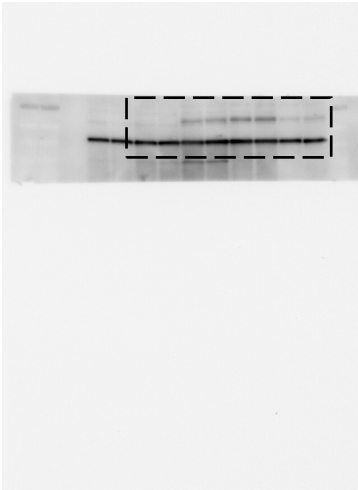
Chromatin spin down anti-Pol eta blot



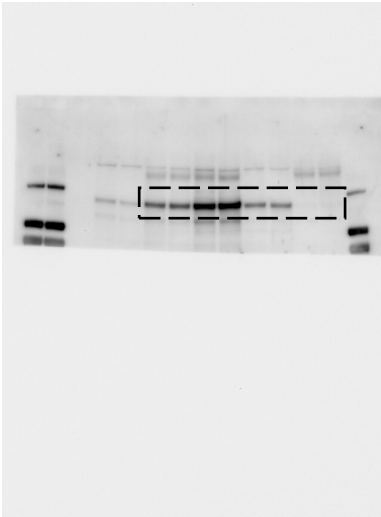
Chromatin spin down anti-Rev7 blot



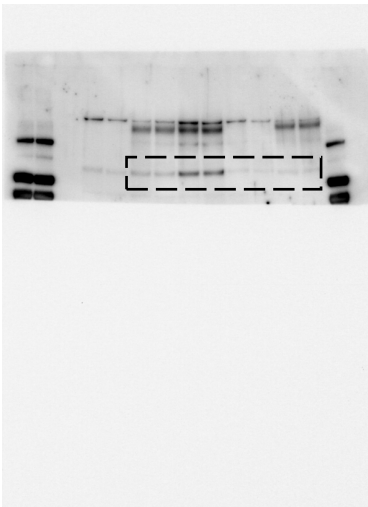
Chromatin spin down anti-Pcna blot



Chromatin spin down anti-Rev1 blot

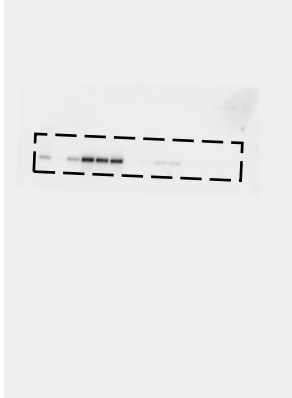


Chromatin spin down anti-Pol kappa blot

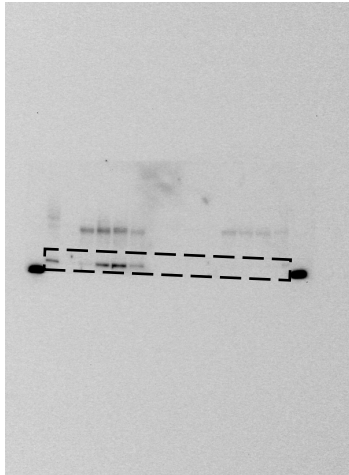


Extended Data 6H

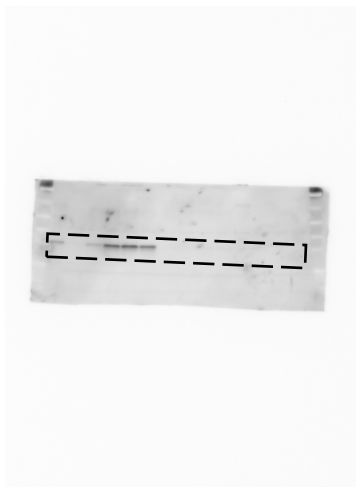
Anti-Rev1 blot



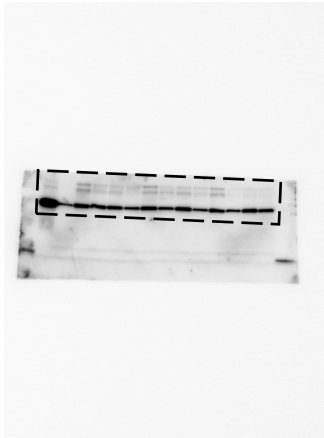
Anti-Pol kappa blot



Anti-Rev7 Blot

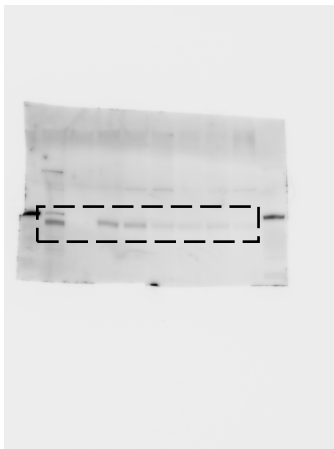


Anti-Pcna blot

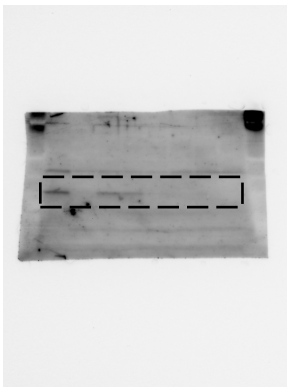


Extended Data 6I

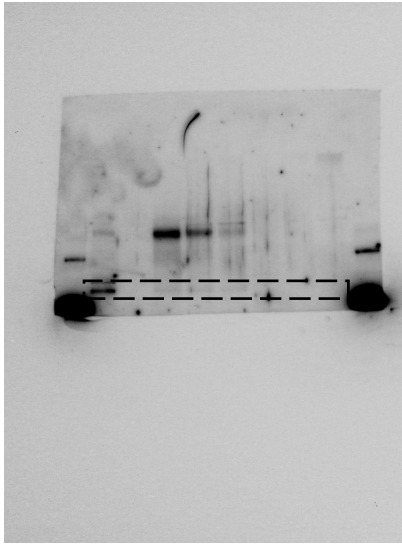
Anti-Rev1 blot



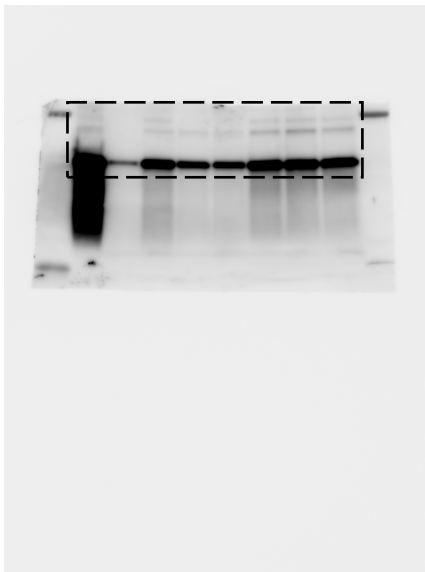
Anti-Rev7 blot



Anti-Pol kappa blot

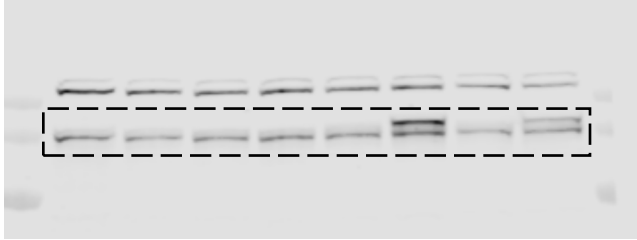


Anti-Pcna blot



Extended Data 7B

Anti-Pol kappa blot



Anti-Tubulin blot

