

Supplementary Figure 1 | Uncropped gel images from gel experiments in main text

Fig 1b

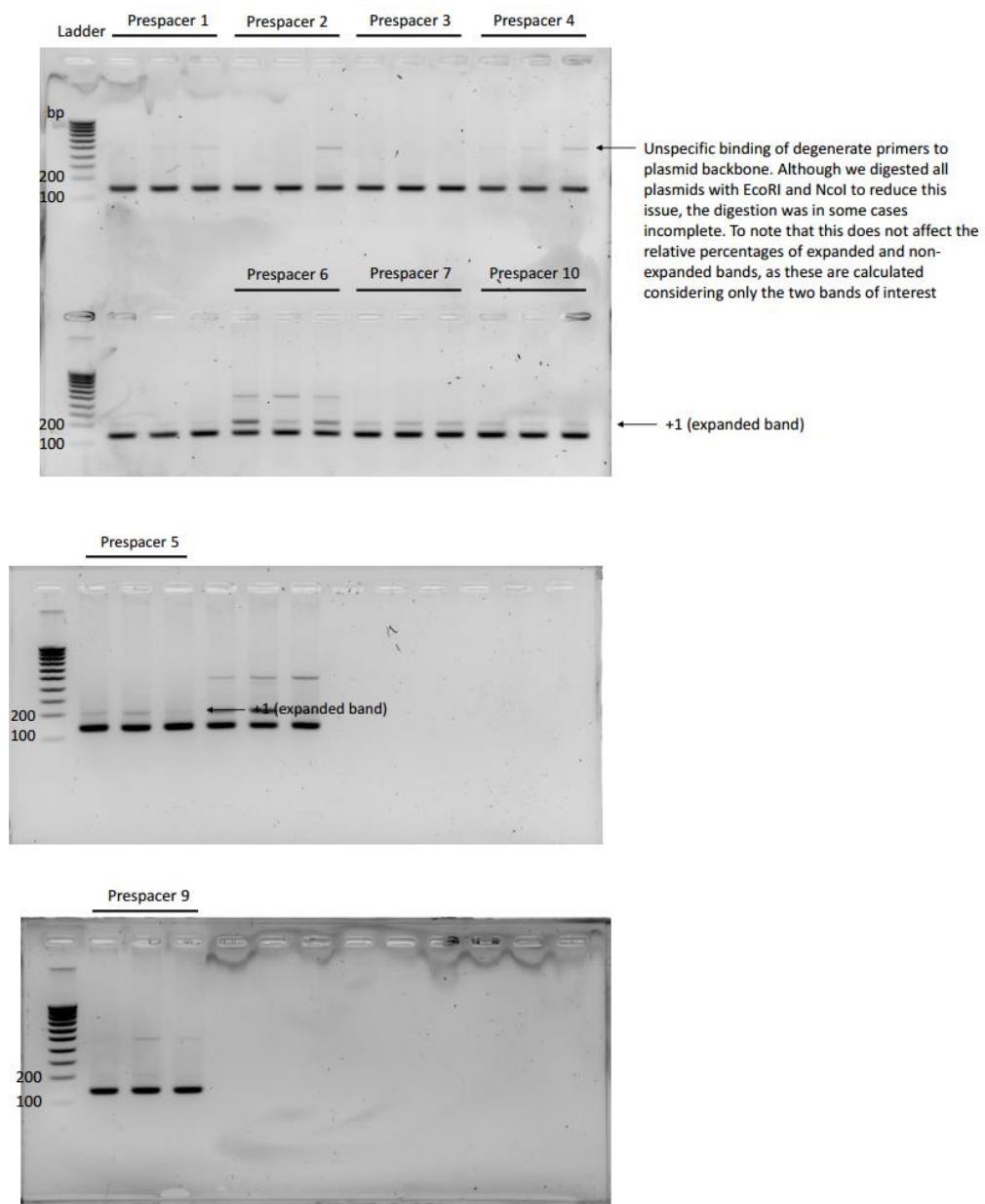


Fig 1b and Extended Fig 2g

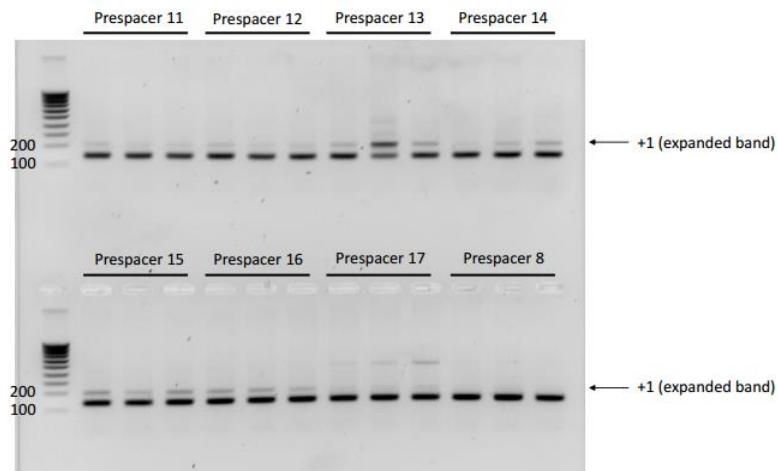


Fig 3b Cy3

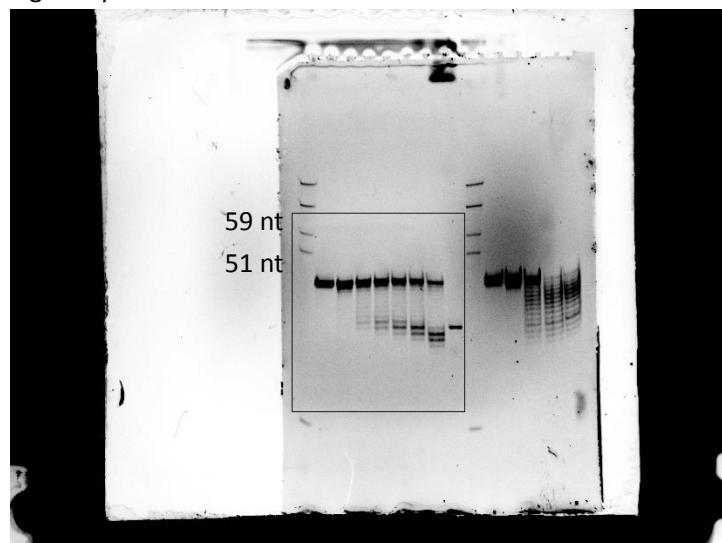


Fig 3b Cy5

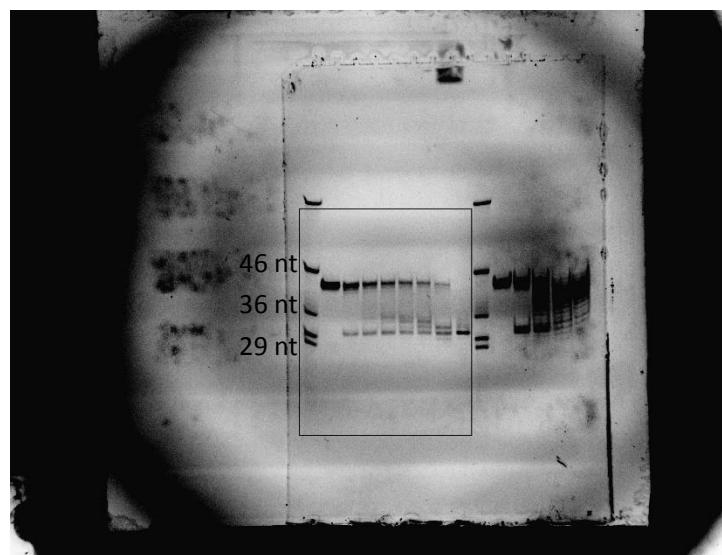


Fig 3b Merge

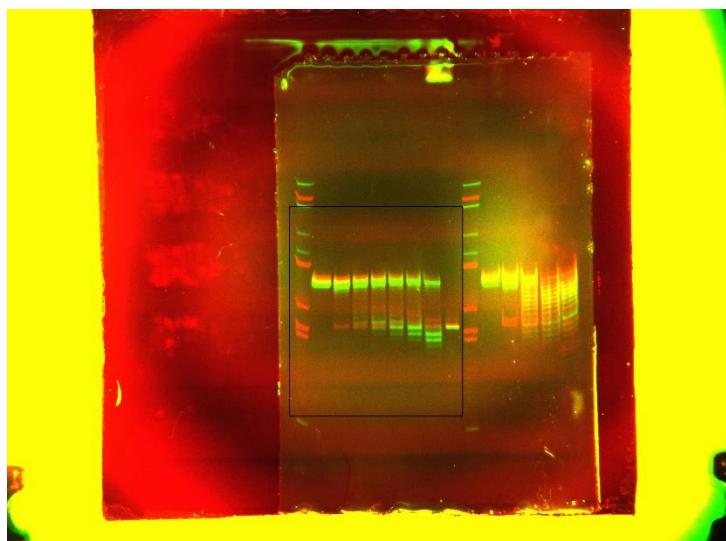


Fig 3d Cy3

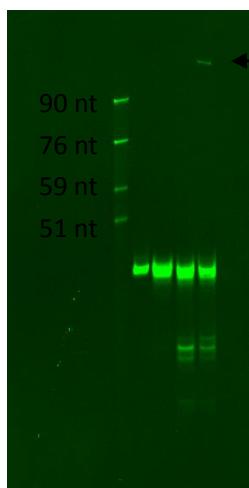


Fig 3d Cy5

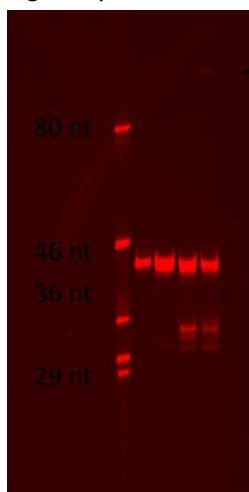


Fig 3d Merge

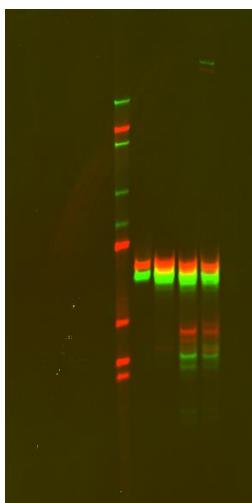


Fig 3f

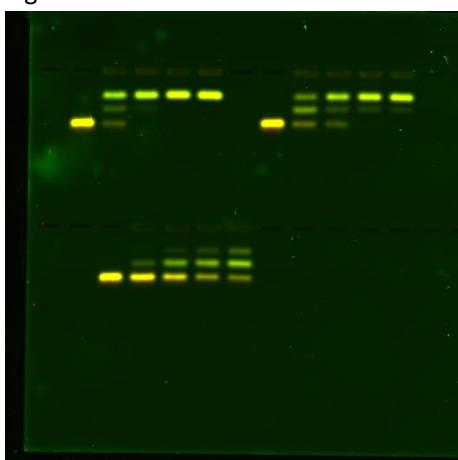
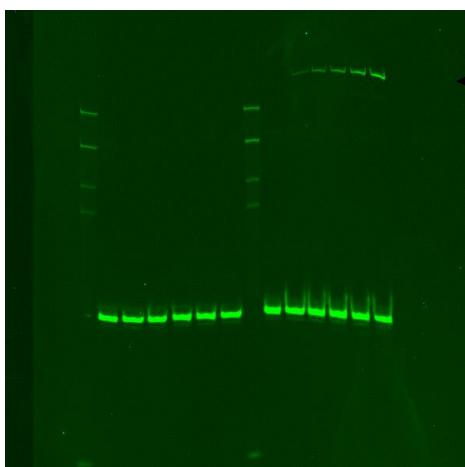


Fig 4a Cy3



Integration band of already processed
non PAM side (L-R side integration)

Fig 4a Cy5

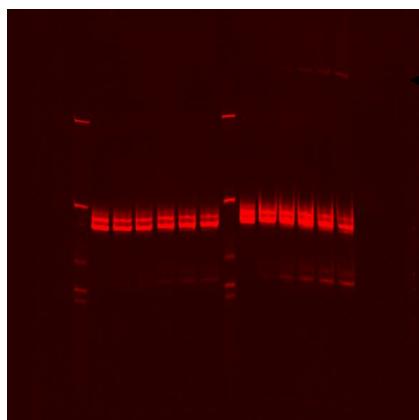
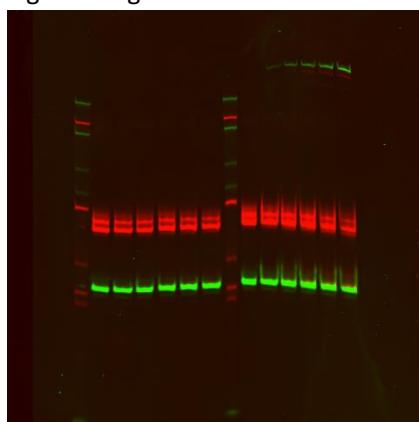
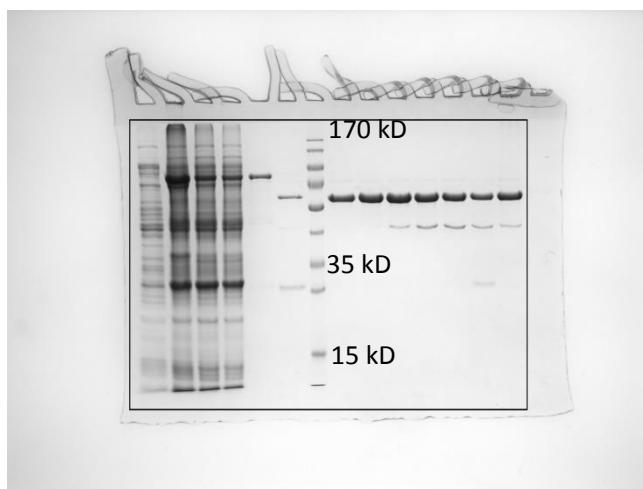


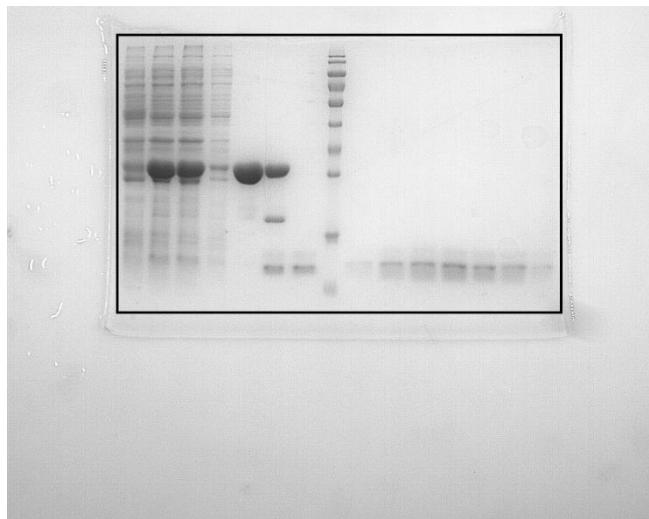
Fig 4a Merge



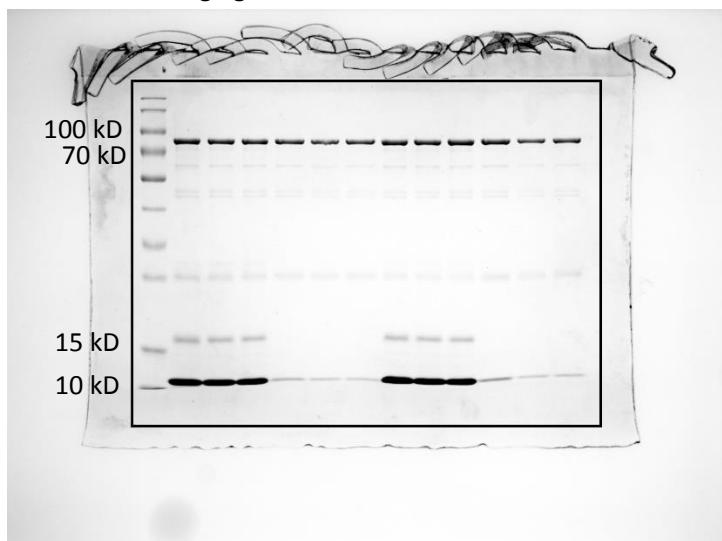
Supplementary Figure 2 | Uncropped gel images from gel experiments in Extended Data Extended Data Fig 1b



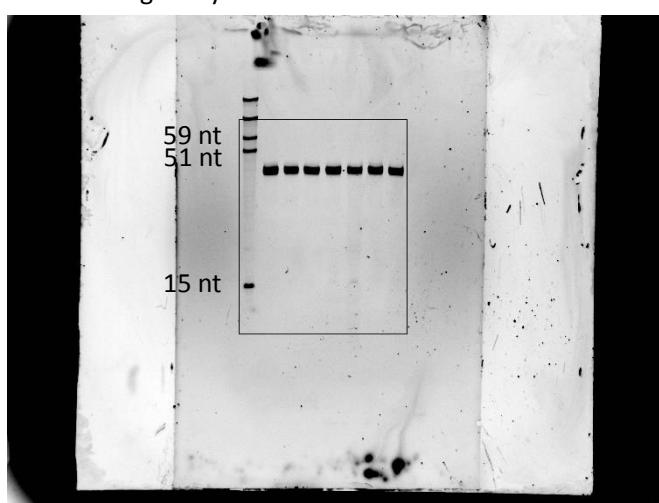
Extended Data Fig 1e



Extended Data Fig 1g

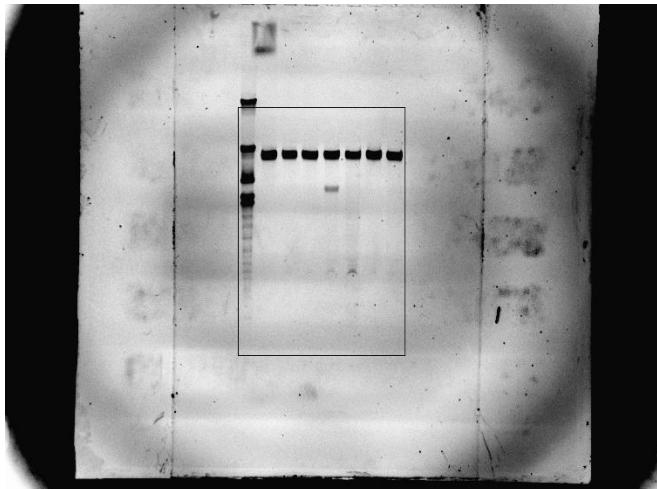


Extended Fig 1h Cy3



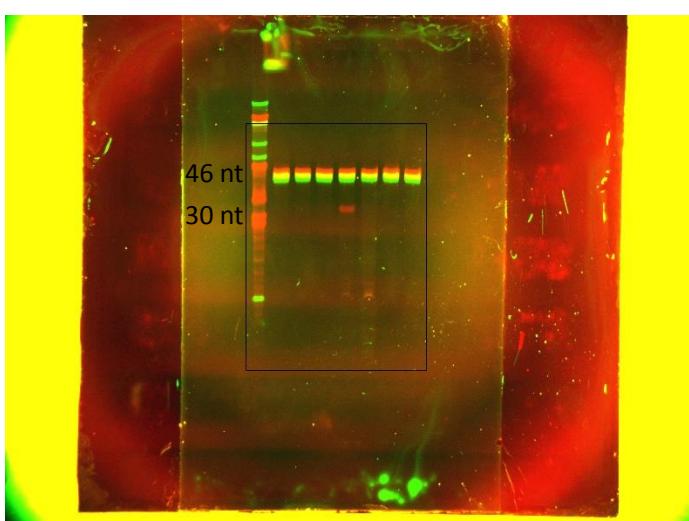
Cy3: Non PAM side, no any processing in any condition.

Extended Fig 1h Cy5

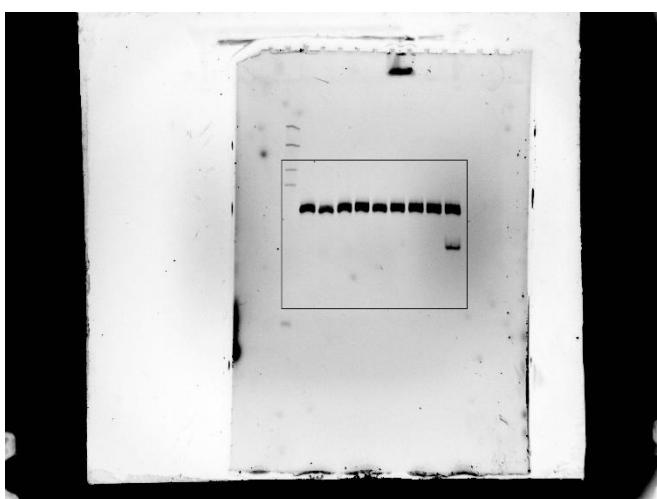


Cy5: PAM side, only process in Mn²⁺ condition.

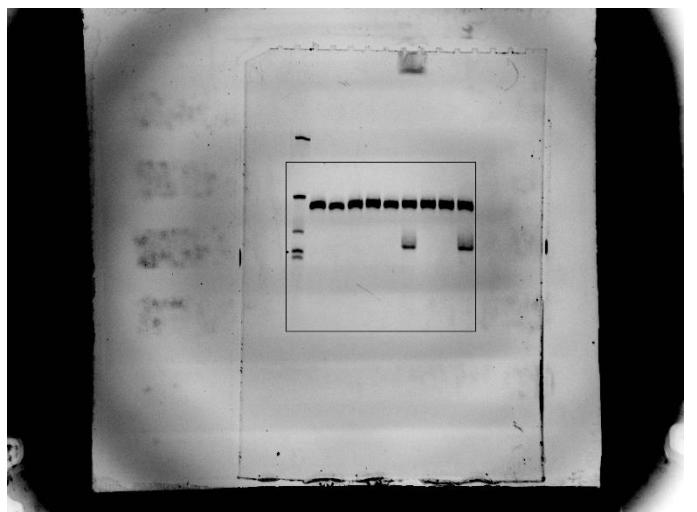
Extended Fig 1h Merge



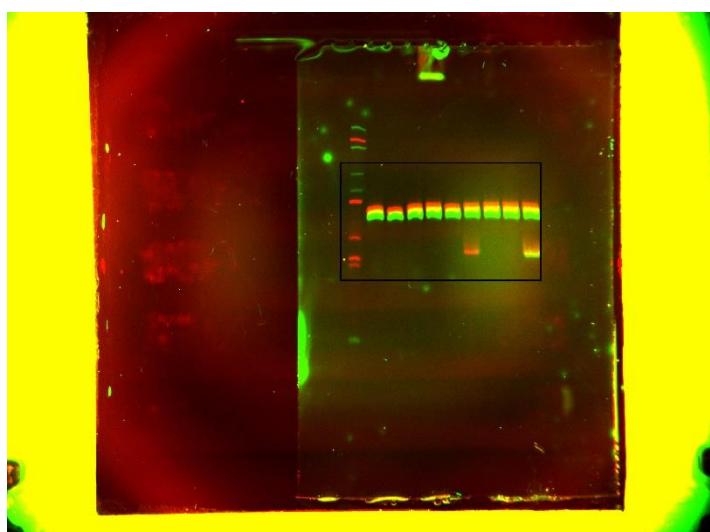
Extended Fig 1i Cy3



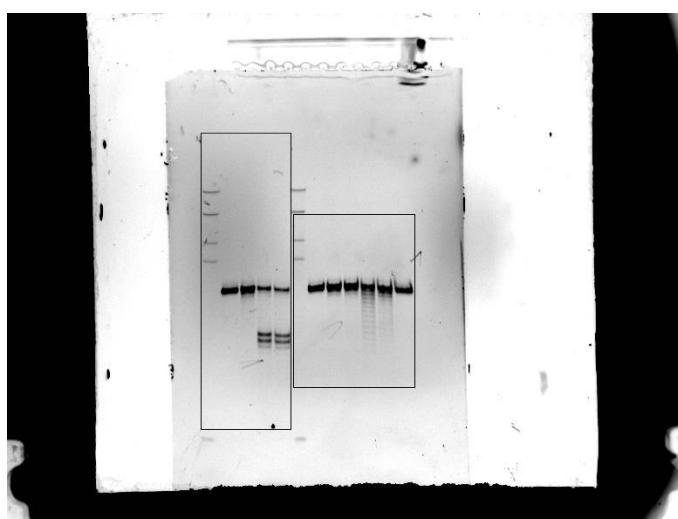
Extended Fig 1i Cy5



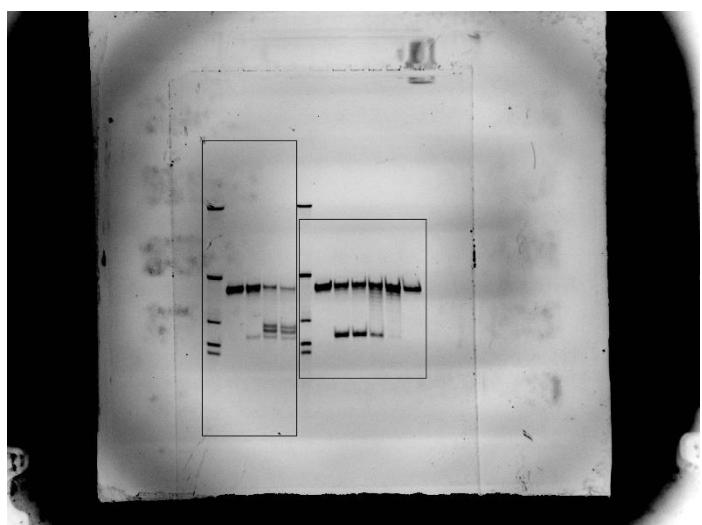
Extended Fig 1i merge



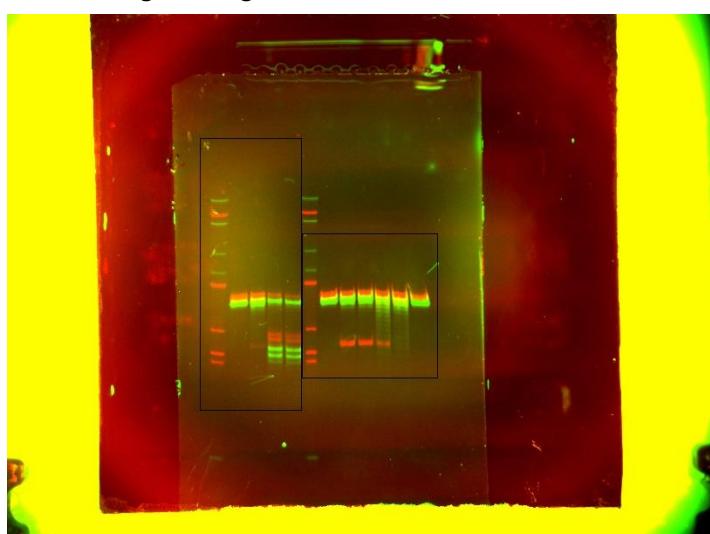
Extended Fig 1k Cy3



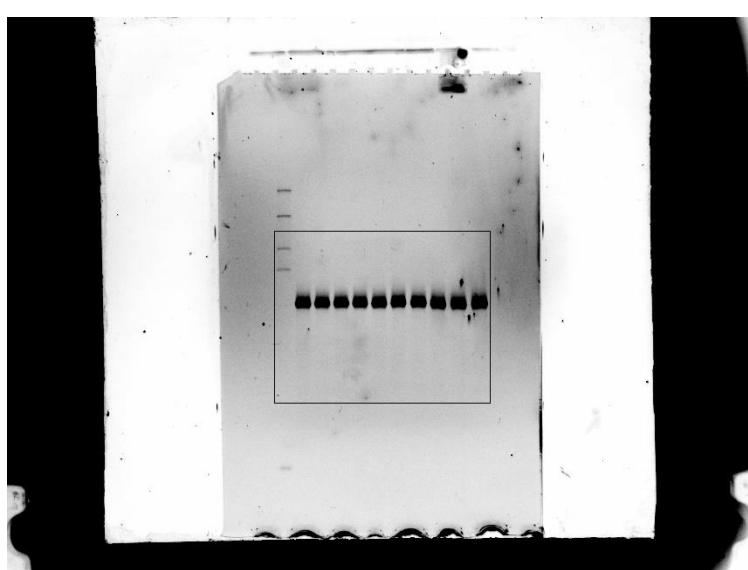
Extended Fig 1k Cy5



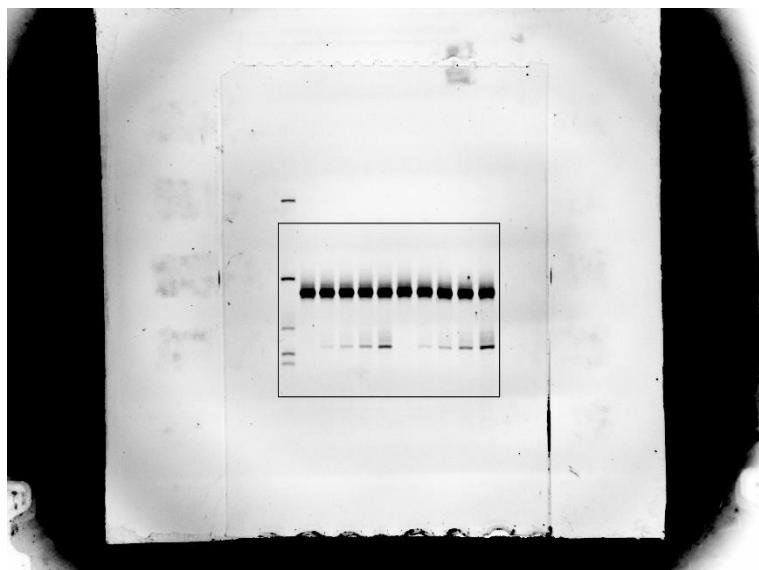
Extended Fig 1k Merge



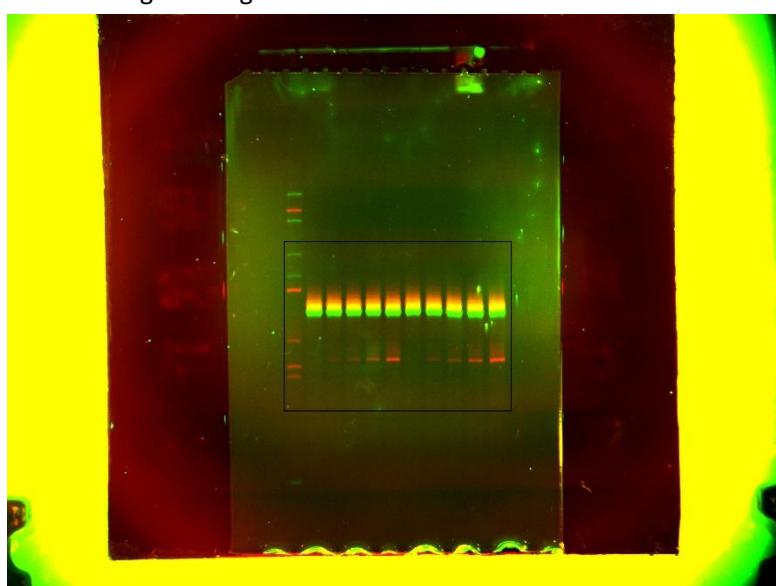
Extended Fig 2e Cy3



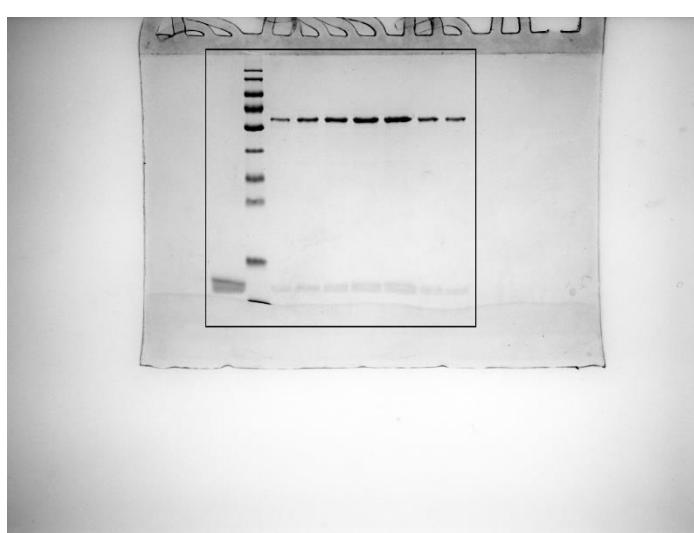
Extended Fig 2e Cy5



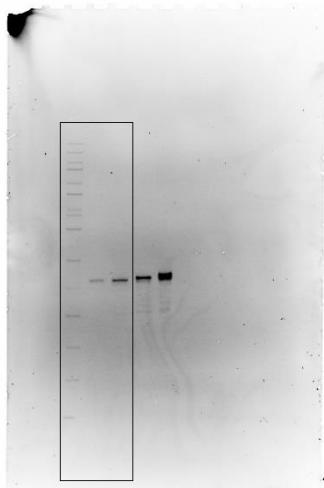
Extended Fig 2e merge



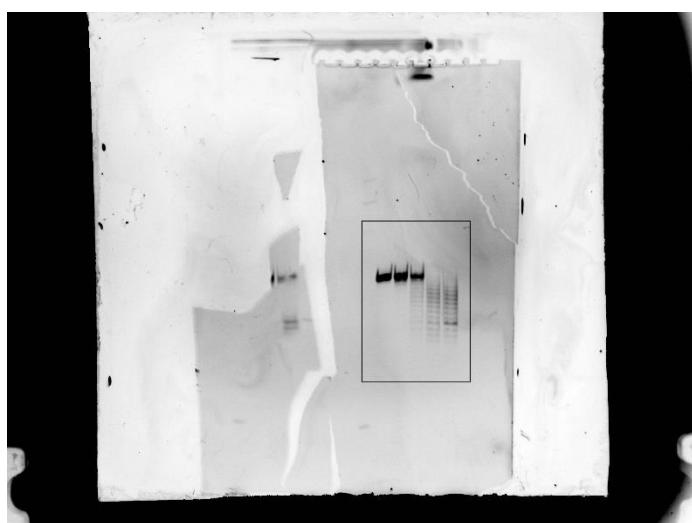
Extended Fig 4b



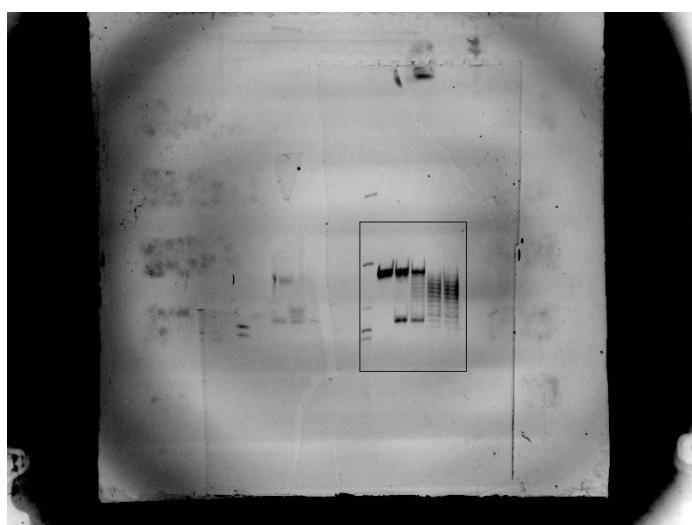
Extended Fig 4d



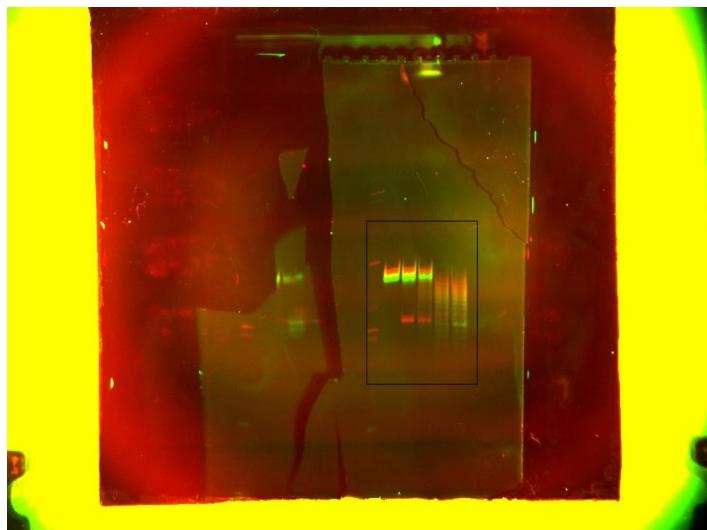
Extended Fig 4f Cy3



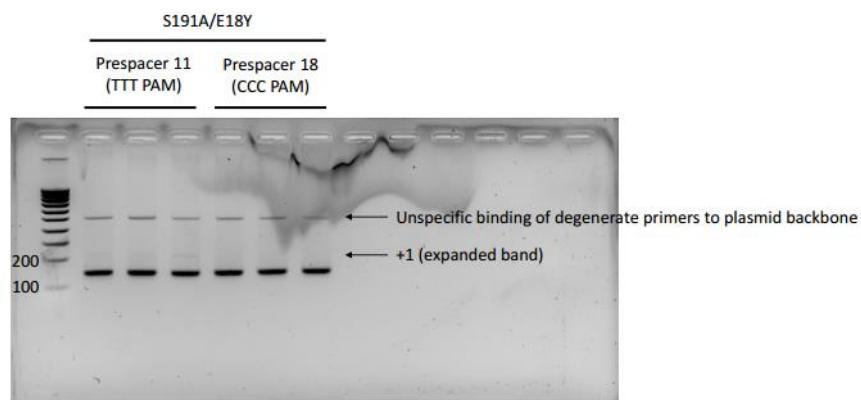
Extended Fig 4f Cy5



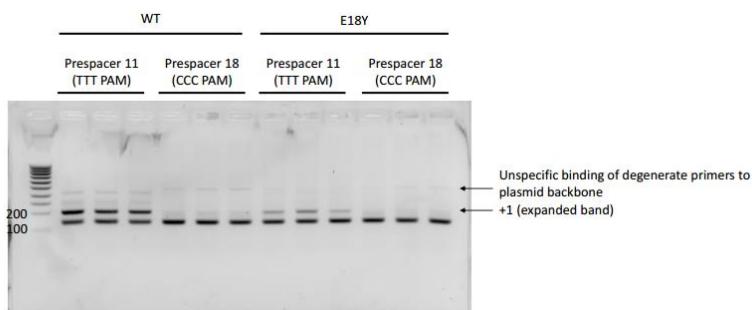
Extended Fig 4f merge



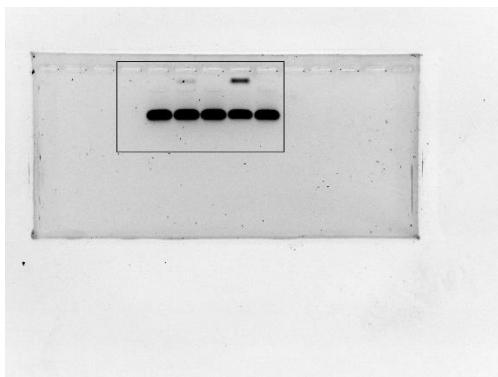
Extended Fig 4g double mutation



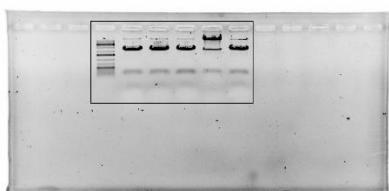
Extended Fig 4g single mutation



Extended Fig 7c Cy5



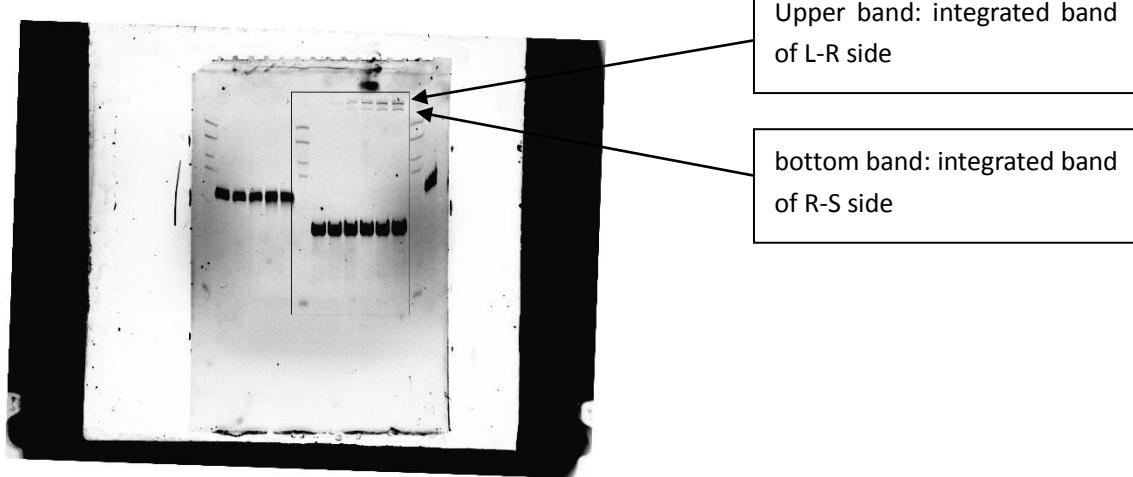
Extended Fig 7c EtBr staining



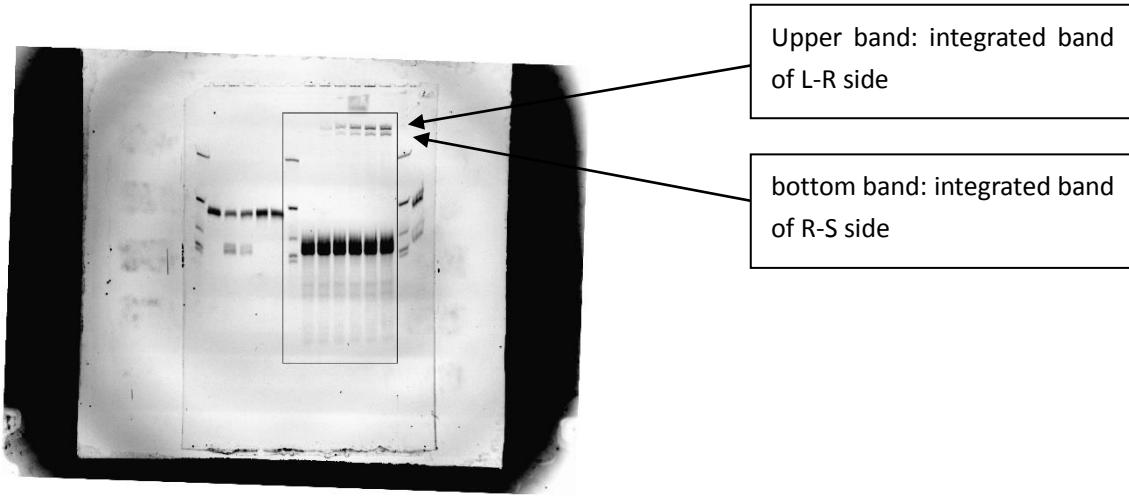
Extended Fig 7c merge



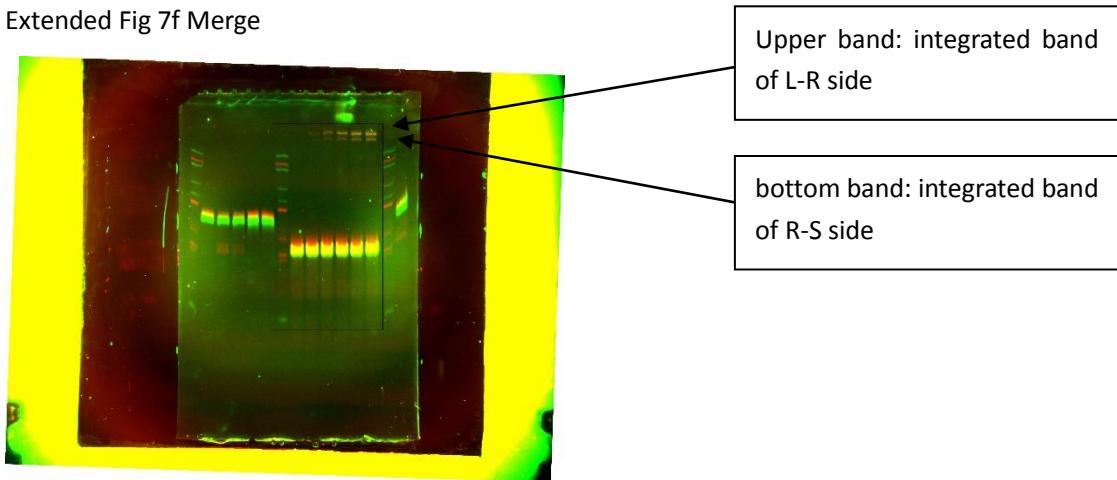
Extended Fig 7f Cy3



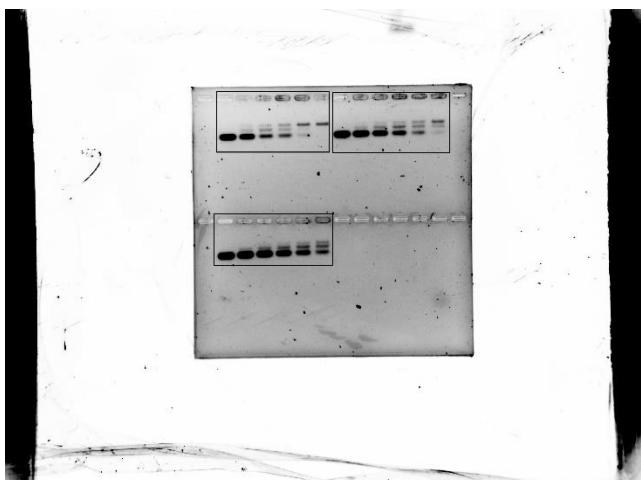
Extended Fig 7f Cy5



Extended Fig 7f Merge



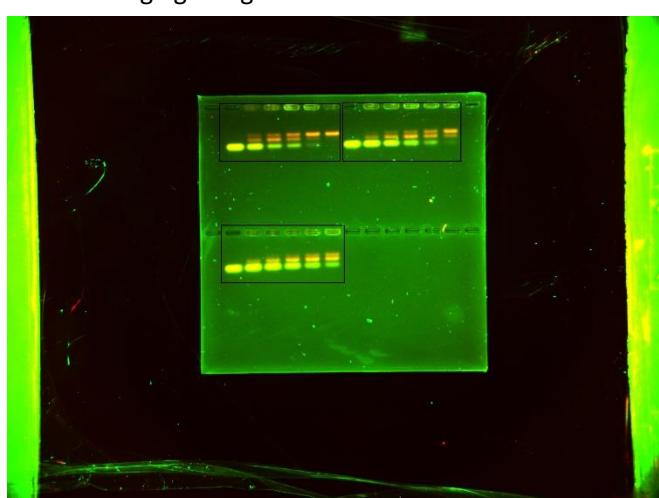
Extended Fig 7g Cy3



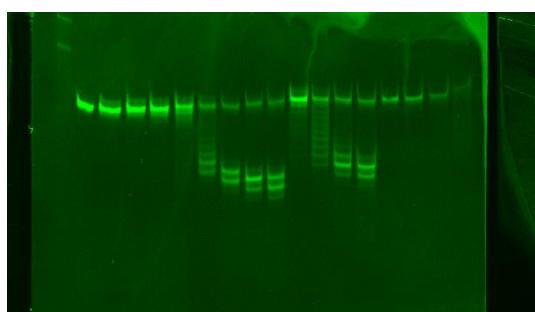
Extended Fig 7g Cy5



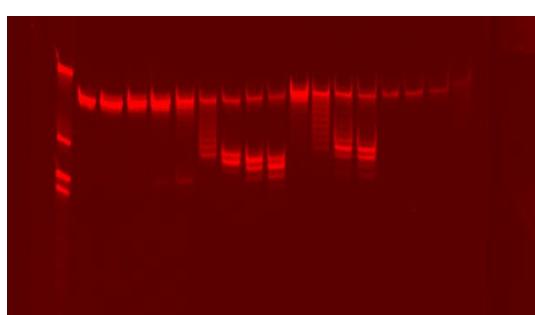
Extended Fig 7g Merge



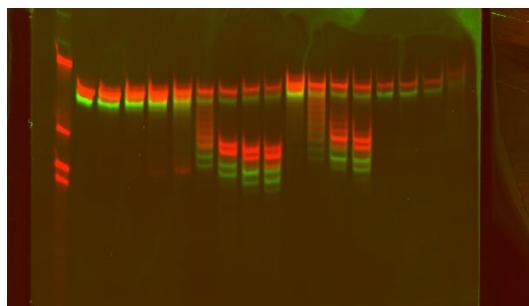
Extended Fig 8a Cy3



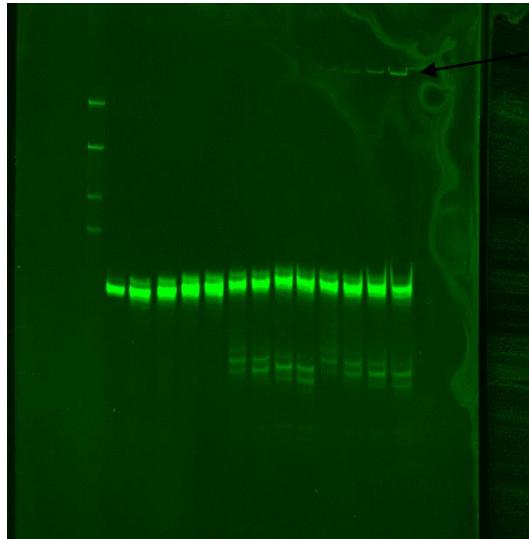
Extended Fig 8a Cy5



Extended Fig 8a Merge

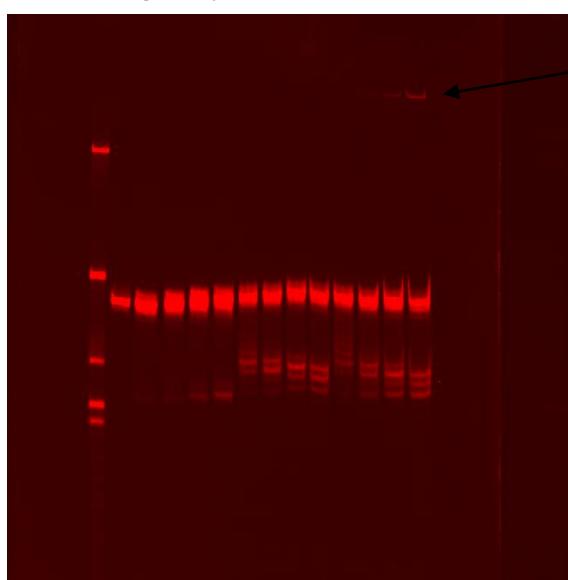


Extended Fig 8b Cy3



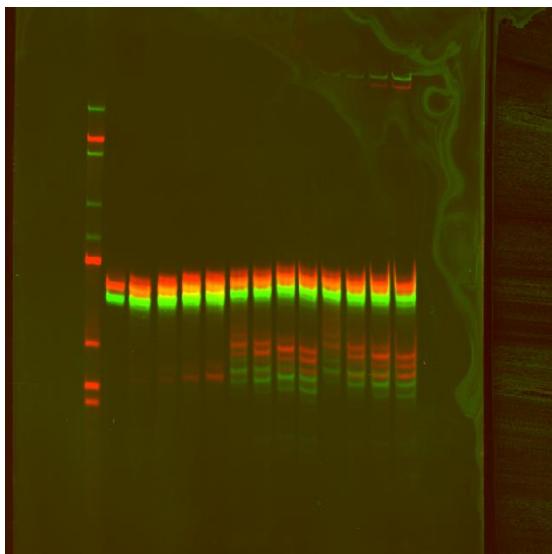
band of non-PAM side
integrated into L-R side

Extended Fig 8b Cy5

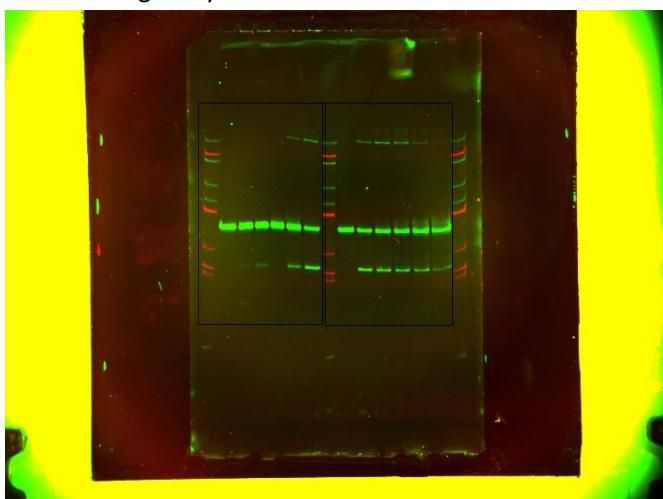


band of PAM side integrated
into R-S side

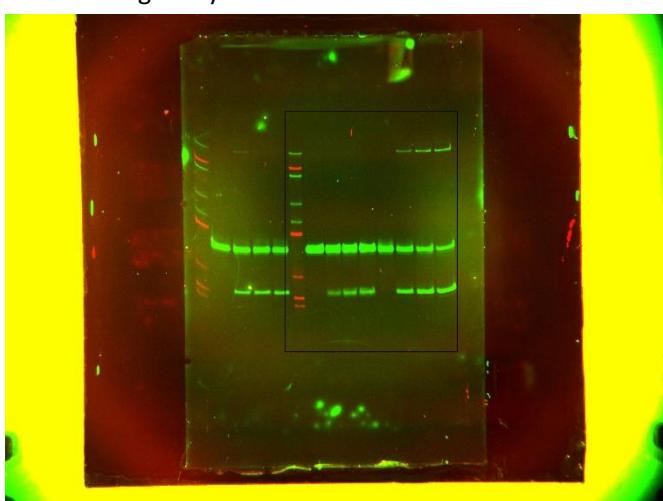
Extended Fig 8b Merge



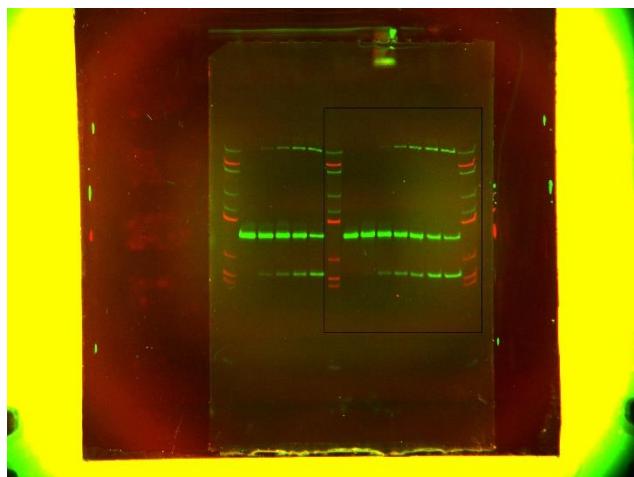
Extended Fig 8c Cy3



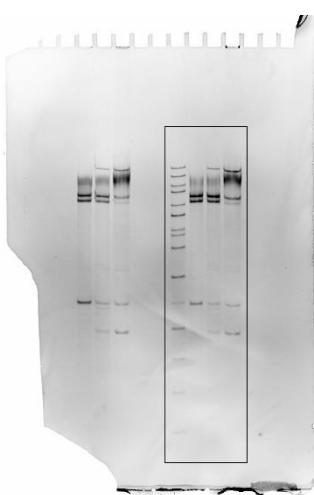
Extended Fig 8d Cy3



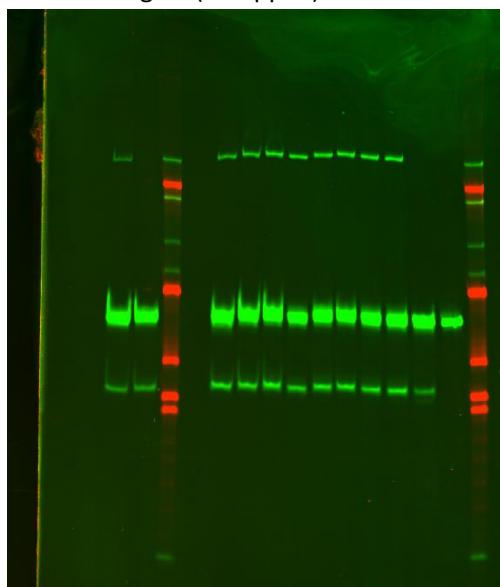
Extended Fig 8d



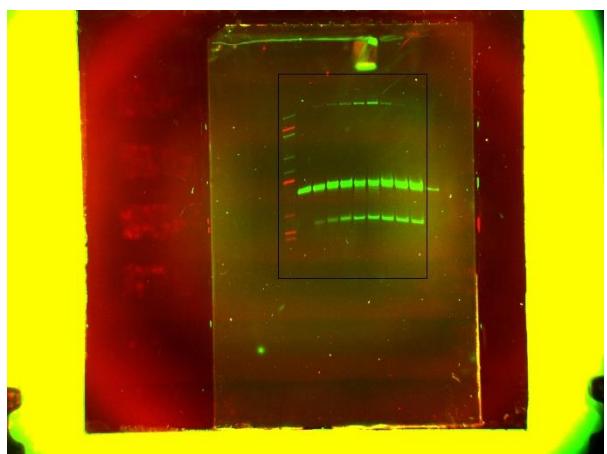
Extended Fig 8f



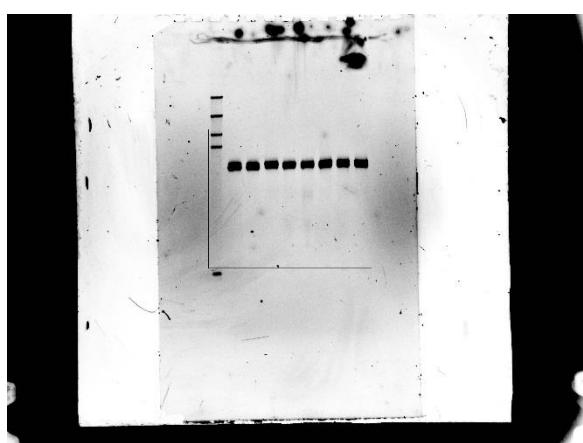
Extended Fig 8h (unflipped)



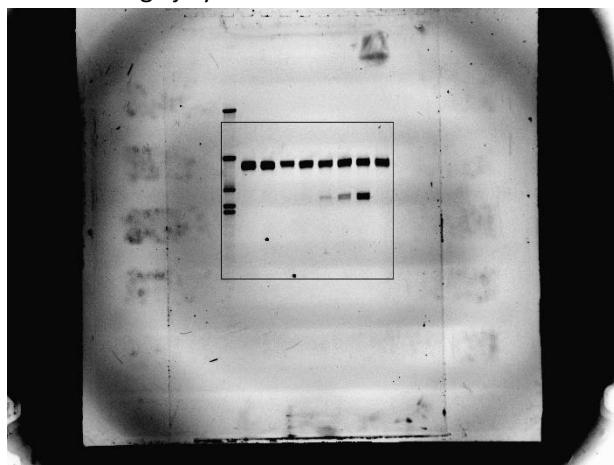
Extended Fig 8i merge



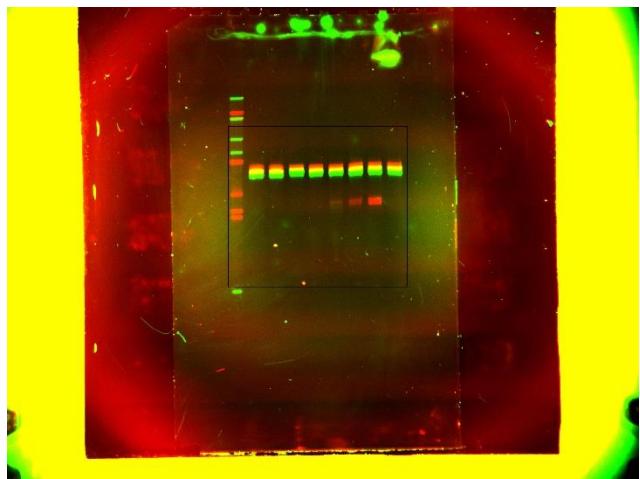
Extended Fig 8j Cy3



Extended Fig 8j Cy5



Extended Fig 8j Merge



Extended Fig 8k

