

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Full list of preys co-purified in eGFP facilitated purifications of protein complexes formed in vivo by Prim-PolC and LigC1 used as baits.

File Name: Supplementary Data 2

Description: Mascot list of preys captured using mycobacterial eGFP-tagged endonuclease IV as bait in *M. bovis* BCG. Results show copurification of LigC, confirming that these two proteins form a complex in vivo.

File Name: Supplementary Data 3

Description: Protein identification details for AP-MS experiments of preys co-purified on a substrate containing a single nucleotide gap. MaxQuant derived label free protein intensities are provided.