Full unedited blot/gel

We normally used the same samples to run western blotting multiple times in independent experiments. Western blotting can analyze multiple proteins on the same blot for quantification and rigorous evaluation of the relative levels of detected proteins. Therefore, it is common practice to section the blot into strips containing proteins of varying molecular weights, each probed with different antibodies. A blot was also stripped to allow for additional probing with different antibodies. This method not only conserves precious samples obtained from small brain regions or limited non-human primate tissues but also enhances the efficiency of analysis.

When repeating the same samples using different gels, we typically also probed the same blot with antibodies for housekeeping gene products (such as vinculin, GAPDH, and others) to ensure an unbiased comparison of results from different gels under consistent conditions. For some proteins that do not exhibit changes in Parkin or PINK1 knocked down tissues, we also incorporated loading controls in the unedited blots. However, we specified that certain loading controls were omitted from the main figures due to space constraints or the presence of other protein bands that could serve as loading controls.

The following unedited blot/gel images are for the representative results in the manuscript.

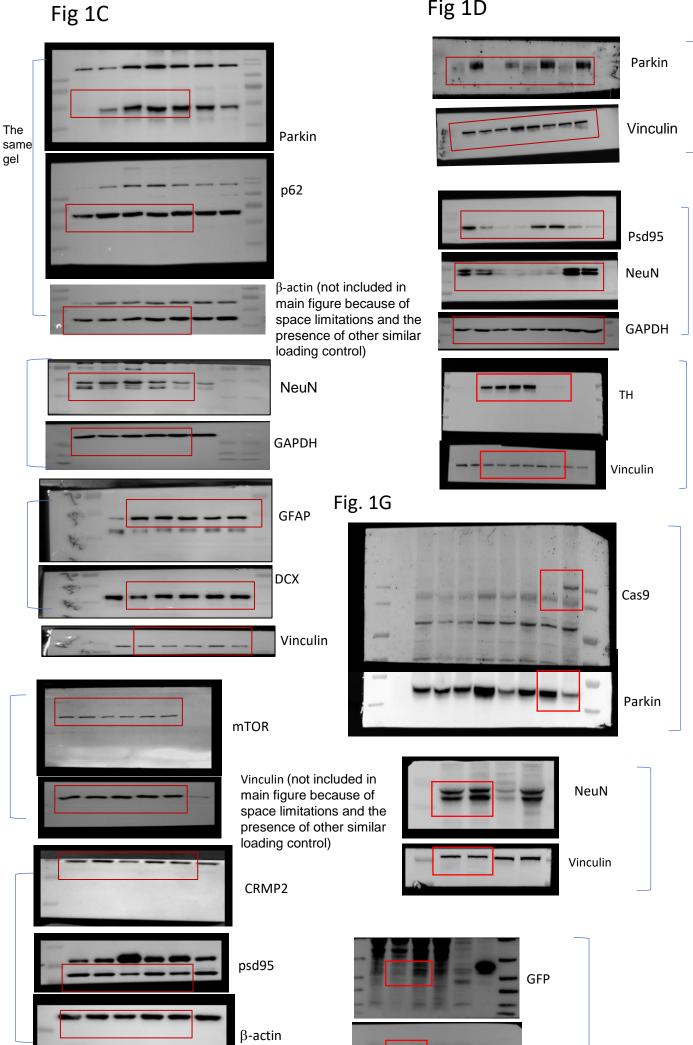


Fig 1D

vinculin

Fig 3C

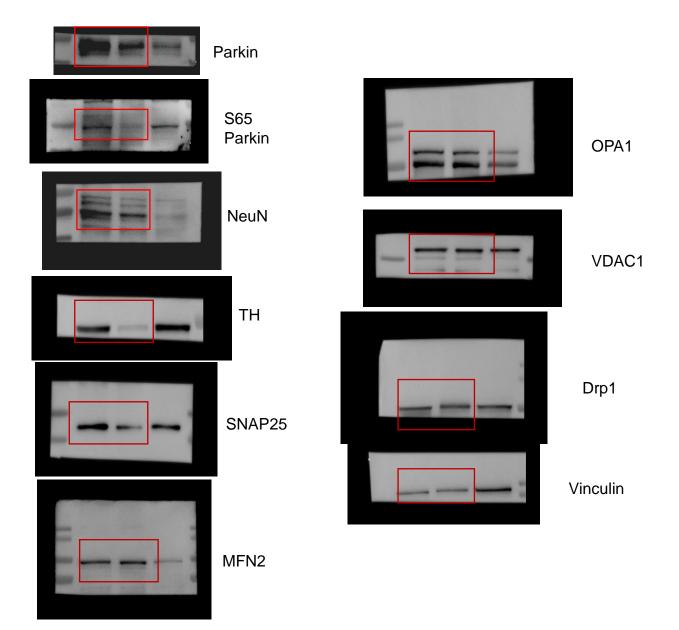
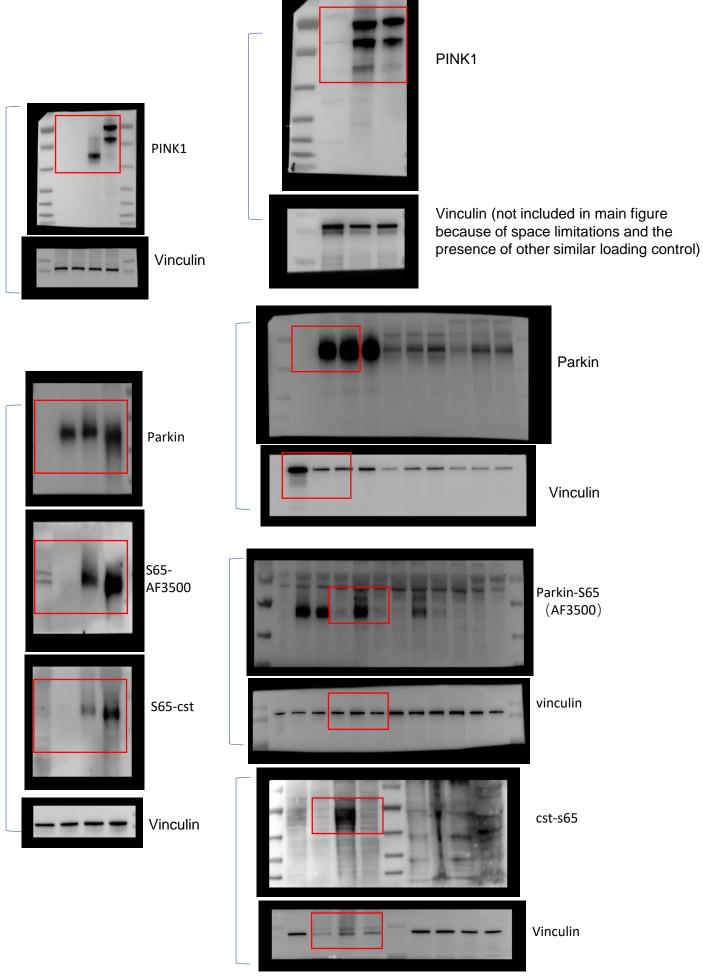
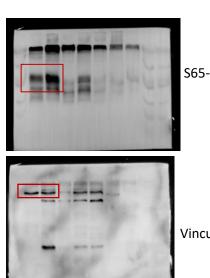


Fig. 4B

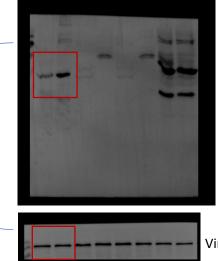






S65-Parkin

Vinculin



PINK1

Vinculin

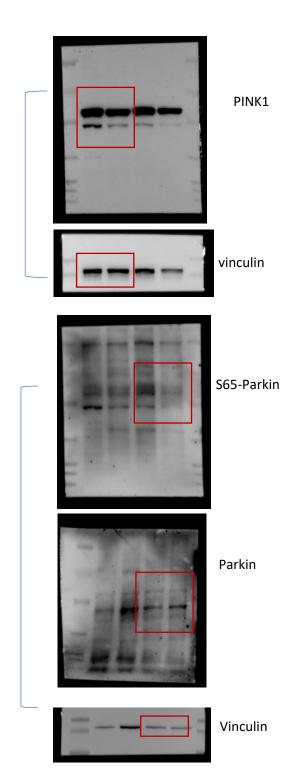


Fig. 4D

Fig. 4E

Figure 4F

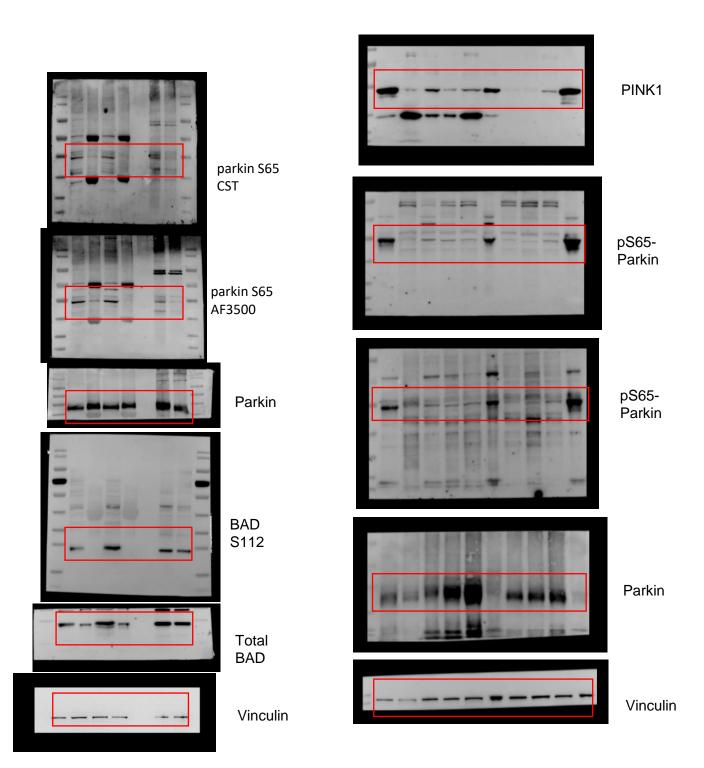
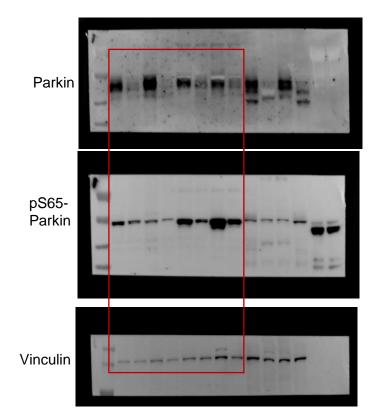
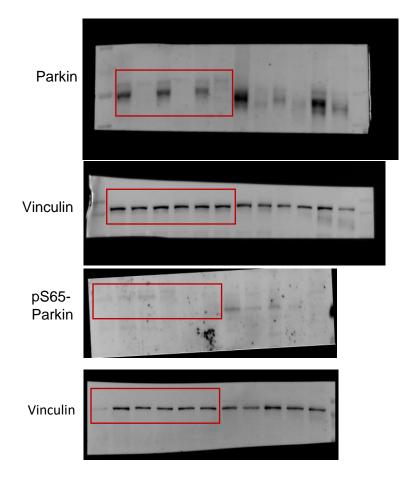


Fig 4G





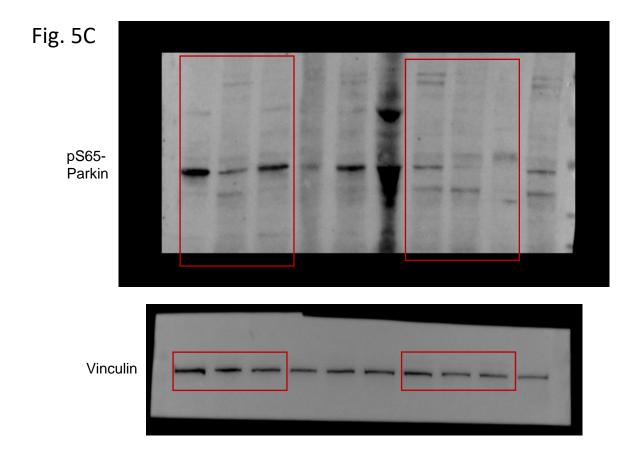


Fig 5D

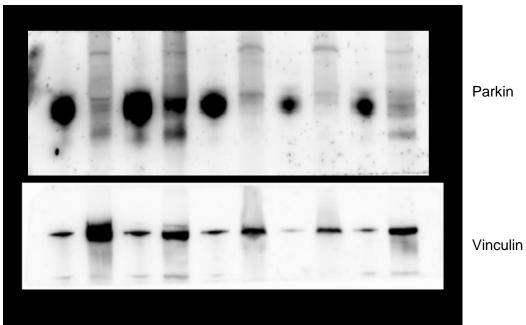
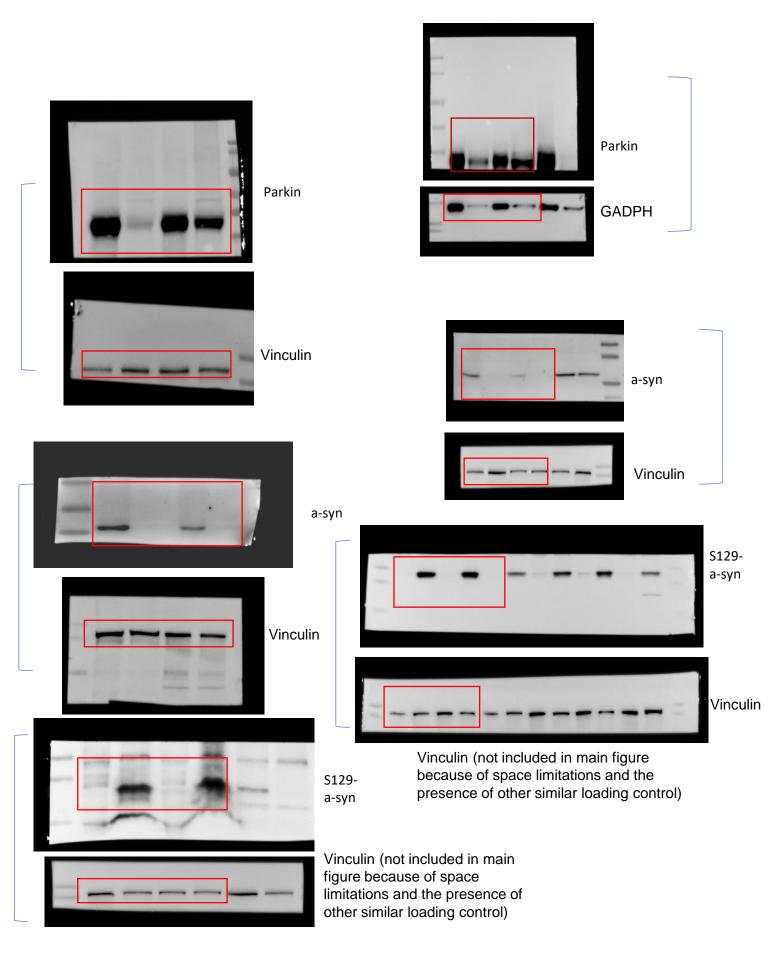


Fig. 5E



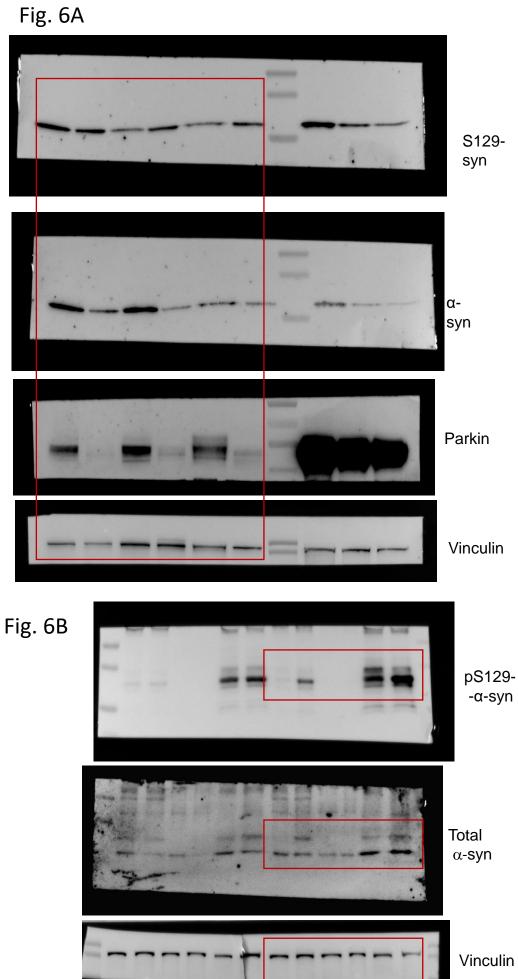


Fig. 7D

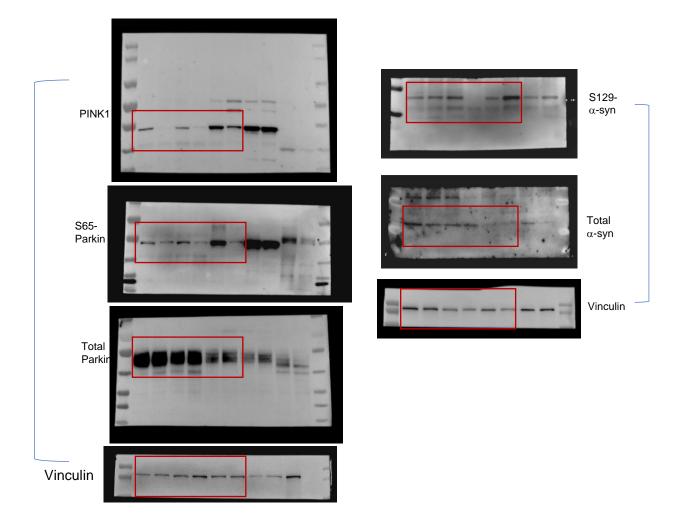
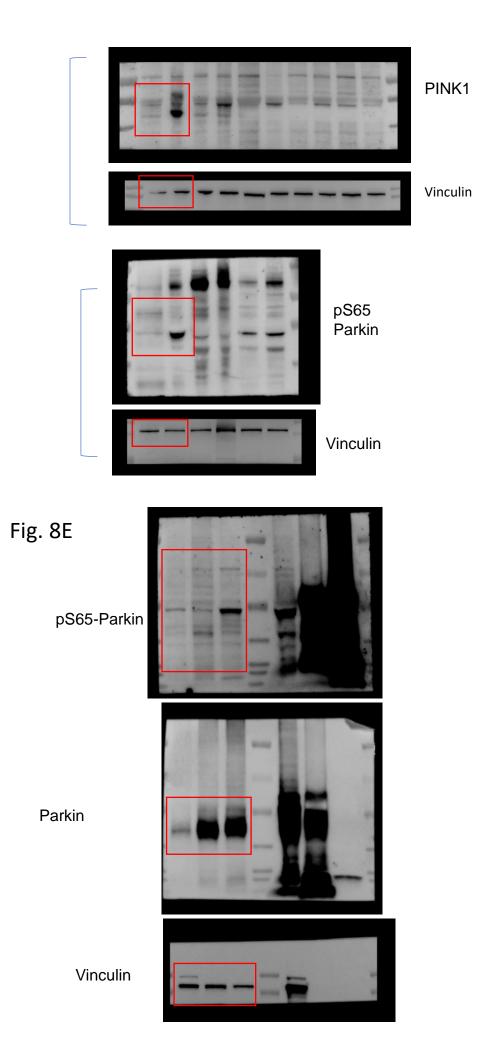
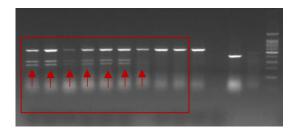
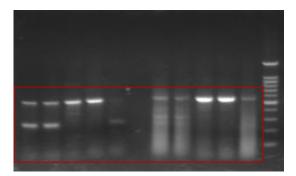


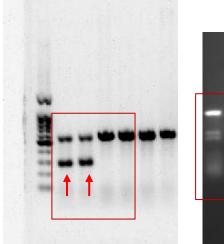
Fig. 8B

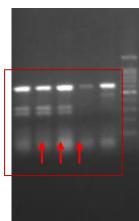


Supplemental Figure 1

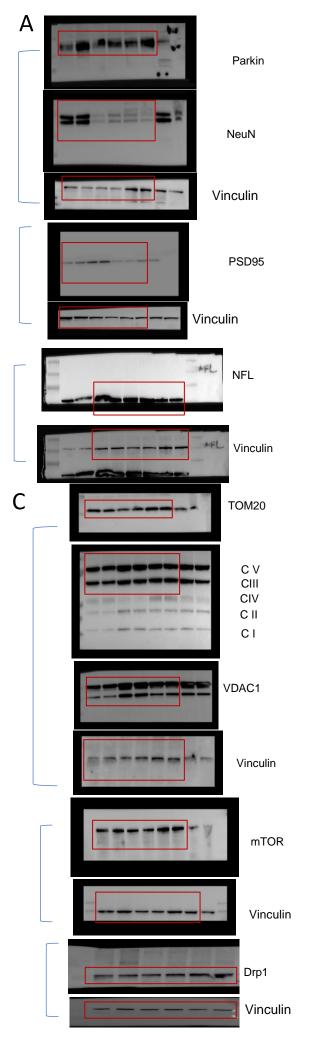


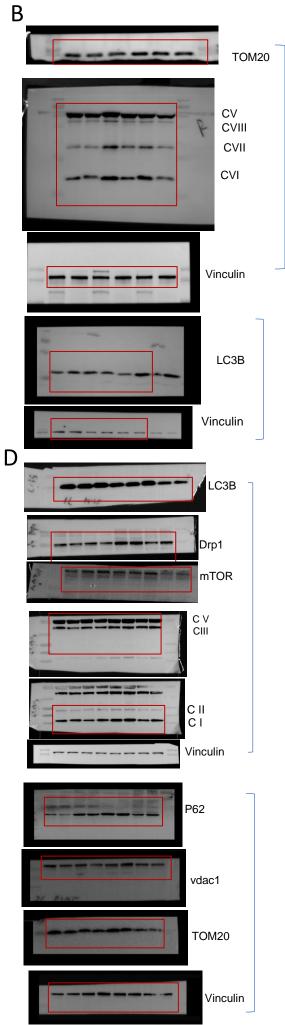




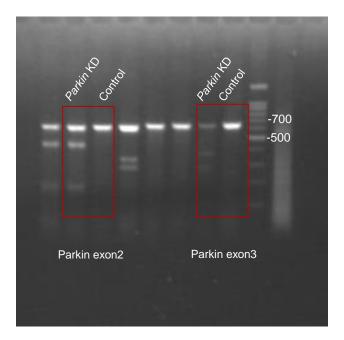


Sup Fig 3





Sup Fig 5B



Suppl Fig 7A

