Figure S3. Immunoblots to observe if the wild-type FZD4 and ER retained mutants form dimers *in vitro*. A. The wild-type FZD4 HA tagged and individually FLAG-tagged FZD4 mutants were co-expressed for 48 hours. The proteins were extracted and immunoprecipitated with anti-FLAG antibody. An 8% SDS gel was run and probed with anti-HA. Only the wild-type HA co-expressed with the wild-type FZD4 Flag tagged protein was able to homodimerize together. The blot was stripped and re-probed with anti-FLAG. All IP proteins showed up on the blot. B. Whole cell lysates of the protein used for the IP experiments was run on an 8% SDS gel and stained with anti-HA as a control.