



Supplemental Figure 3: Ischemia upregulates Actin Cytoskeleton Signaling. IPA's Actin Cytoskeleton Signaling canonical pathway is provided here for Comparison 1 (**upper panel**) and Comparison 2 (**lower panel**) (comparisons defined in main Fig 1). This pathway exhibited a 6+ z-score fold-change difference between Comparison 1 and Comparison 3 (not shown). Note that Comparison 2 reveals many of the same 'activated proteins' (highlighted red) as Comparison 1, but to a lesser degree, and that other proteins are downregulated (highlighted green) in ischemic

retinae of mice from RHC-treated parents. Proteins shaded grey exhibited some degree of differential expression in our dataset but did not meet the 1.2FC threshold applied. This figure is provided to complement Comparison 3 (Figure 8), which includes a tabulation of all of the proteins in the canonical and their respective fold changes, for each comparison.