

Supplemental Figure 4: Ischemia upregulates the Acute Phase Response. IPA's Acute Phase Response (APR) canonical pathway is provided here for Comparison 1 (**upper panel**) and Comparison 2 (**lower panel**) (comparisons defined in main Fig 1). The APR was the most enriched canonical signaling pathway identified by IPA in both Comparisons 1 and 3. This pathway showed virtually no 'activation' in Comparison 2 at the 1.2FC threshold we applied. The APR was only observed in Comparison 3 (main Figure 3) because of the robustly opposing expression changes between the ischemic retina in mice derived from F0 parents treated with RHC and the ischemic retinae in mice from untreated F0 parents. This pathway exhibited a 4+ z-score fold-change difference between Comparison 1 and Comparison 3 (not shown). Note that Comparison 2 has many of the same 'activated' (upregulated) proteins (highlighted red) as comparison 1, but to a lesser degree (less red/more grey shading). Downregulated proteins are highlighted in green. Proteins shaded grey exhibited some degree of differential expression but did not meet the 1.2FC threshold applied. This figure is provided to complement Comparison 3 (Figure 9), which includes a tabulation of all of the proteins in the canonical and their respective fold changes, for each comparison.