

Suppl. Fig. 1. Representative *gel electrophoresis of qPCR products*.

Suppl. Fig. 2. Lipid peroxidation and pro-inflammatory markers, as assessed using untargeted metabolomic analyses. Values are expressed as mean \pm SEM (n = 5) of the fold change over non-ischemic retinas (broken lines). $^{\S}P < 0.01$; $^{\S\S}P < 0.001$; $^{\S\S\S}P < 0.0001$ against non-ischemic controls; $*P < 0.01$; $**P < 0.001$; $***P < 0.0001$ against untreated ischemic retinas, ANOVA.

Suppl. Fig. 3. Arginine-citrulline-ornithine nitric oxide-related metabolism and secondary messenger metabolites (including cyclic AMP, inositol triphosphate, PIP2 and PIP3), as assessed using untargeted metabolomic analyses. Values are expressed as mean \pm SEM (n = 5) of the fold change over non-ischemic retinas (broken lines). $^{\S}P < 0.01$; $^{\S\S\S}P < 0.0001$ against non-ischemic controls; $*P < 0.01$; $**P < 0.001$; $***P < 0.0001$ against untreated ischemic retinas, ANOVA.

Suppl. Fig. 4. Krebs cycle metabolites, as assessed using untargeted metabolomic analyses. Values are expressed as mean \pm SEM (n = 5) of the fold change over non-ischemic retinas (broken lines). $^{\S}P < 0.01$; $^{\S\S\S}P < 0.0001$ against non-ischemic controls; $*P < 0.01$; $**P < 0.001$; $***P < 0.0001$ against untreated ischemic retinas, ANOVA.

Suppl. Fig. 5. Purine metabolism, as assessed using untargeted metabolomic analyses. Values are expressed as mean \pm SEM (n = 5) of the fold change over non-ischemic retinas (broken lines). $^{\S}P < 0.01$; $^{\S\S\S}P < 0.0001$ against non-ischemic controls; $*P < 0.01$; $***P < 0.0001$ against untreated ischemic retinas, ANOVA.

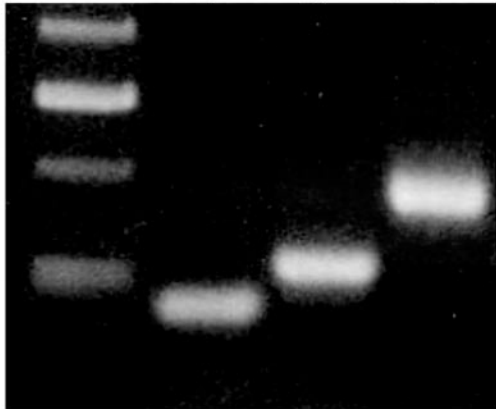
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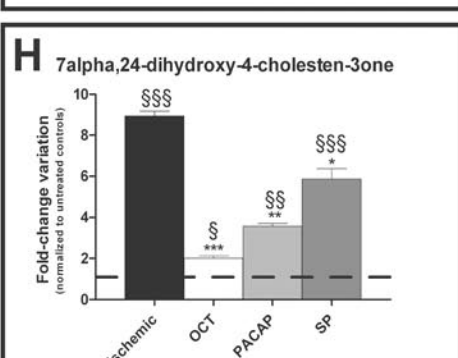
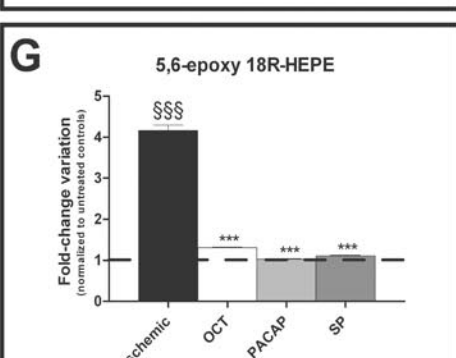
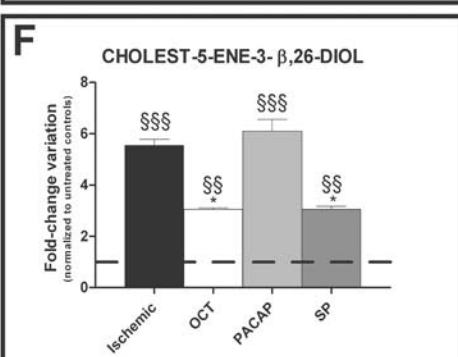
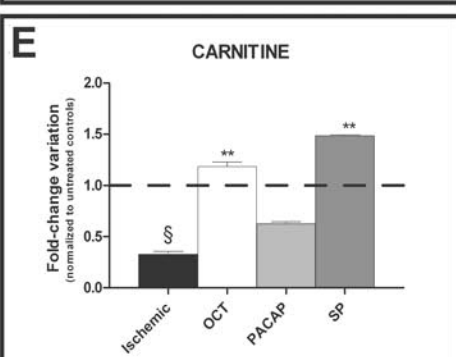
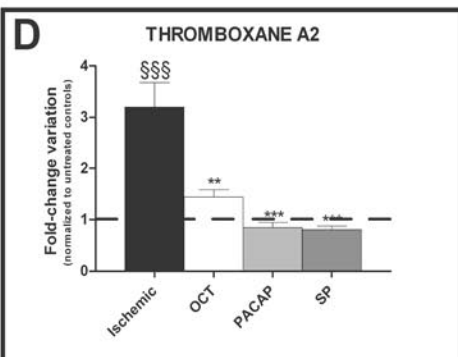
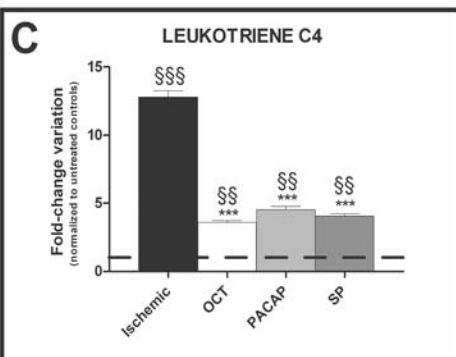
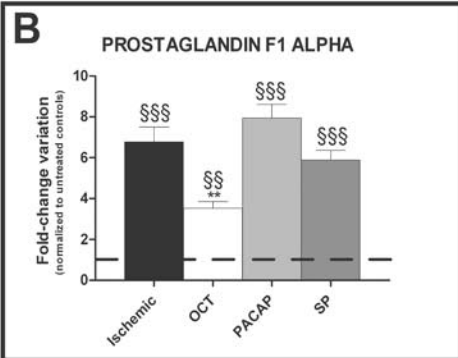
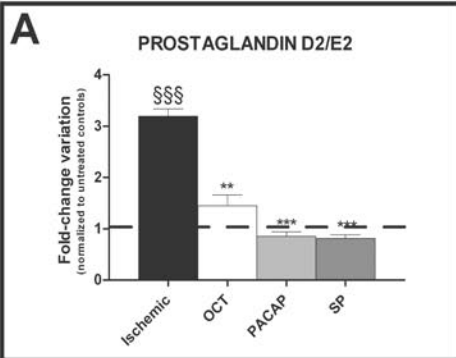
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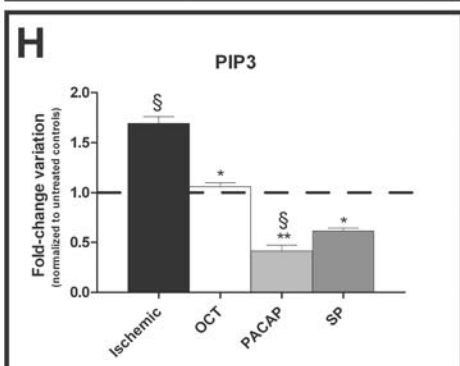
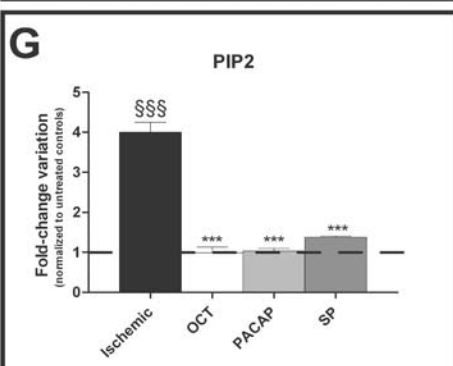
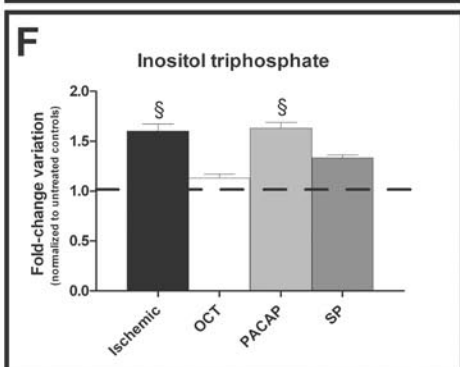
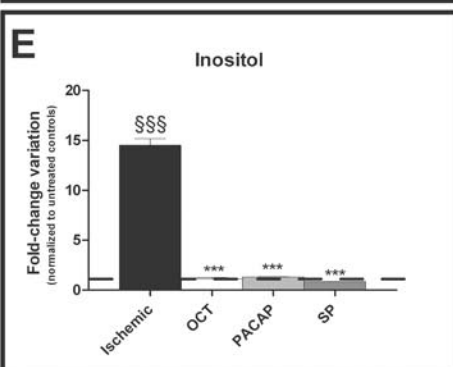
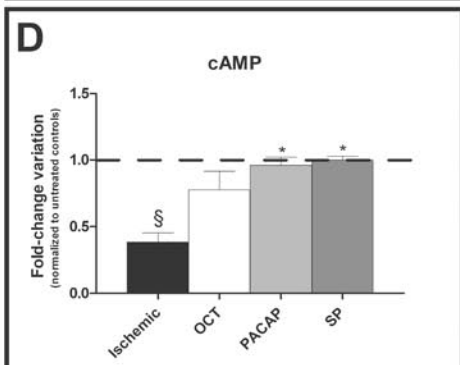
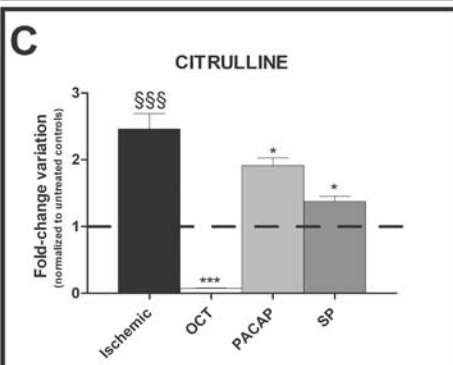
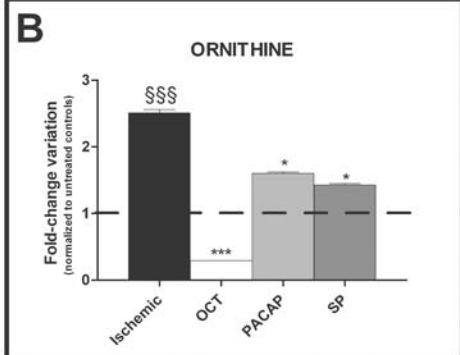
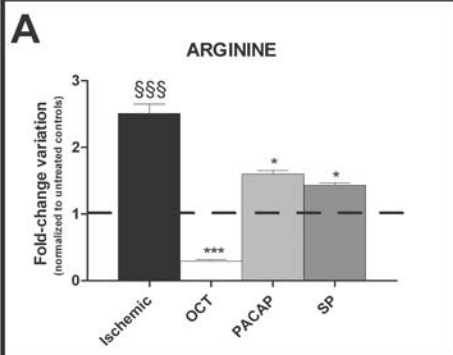
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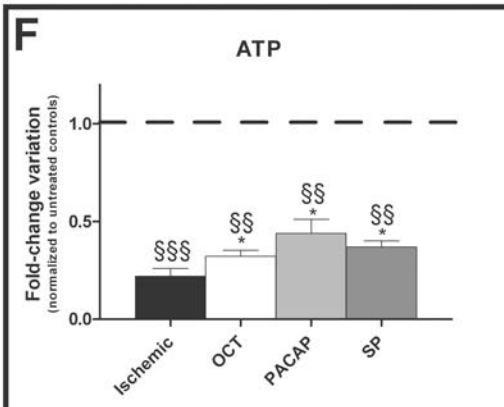
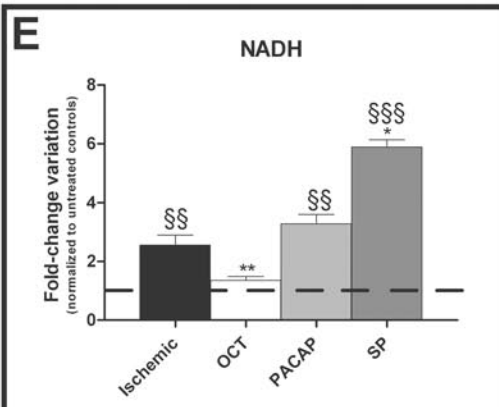
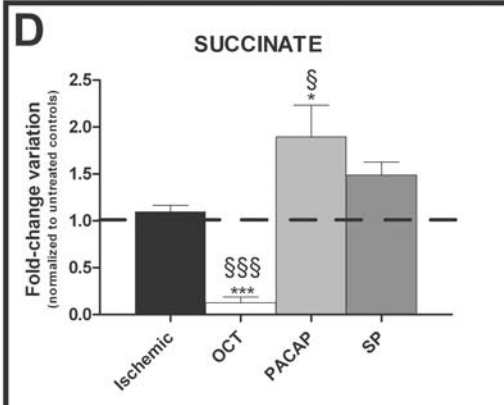
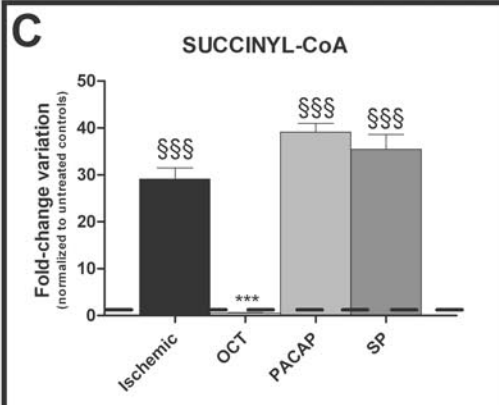
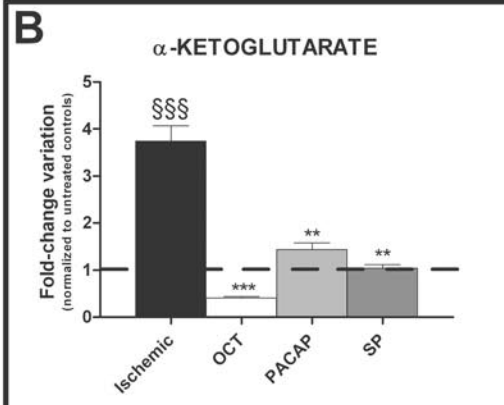
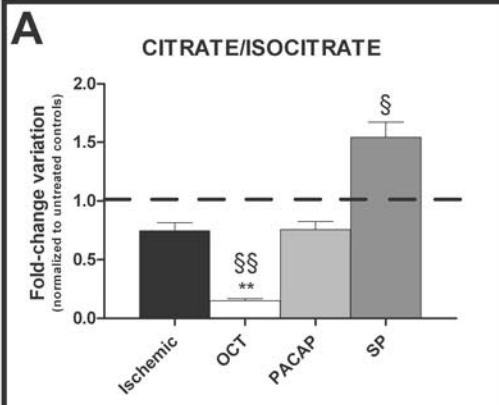
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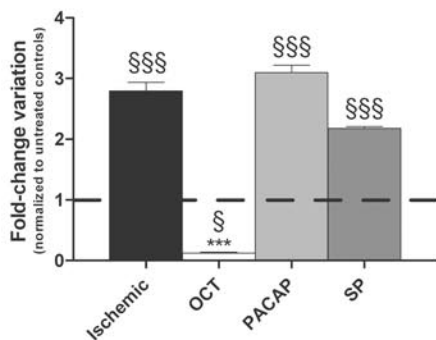
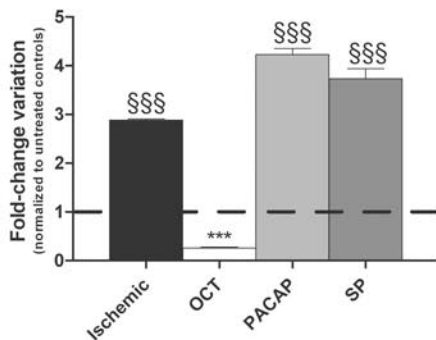
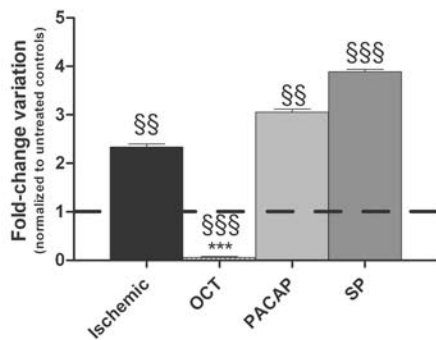
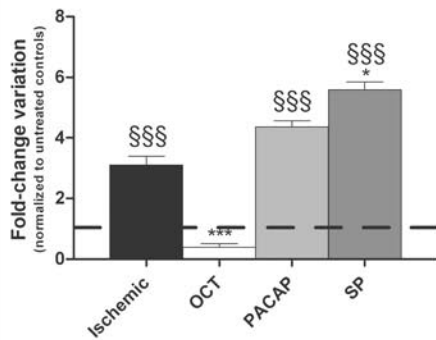
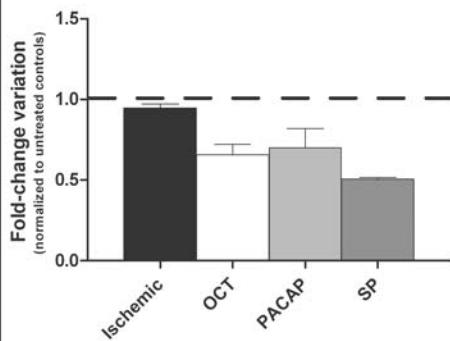
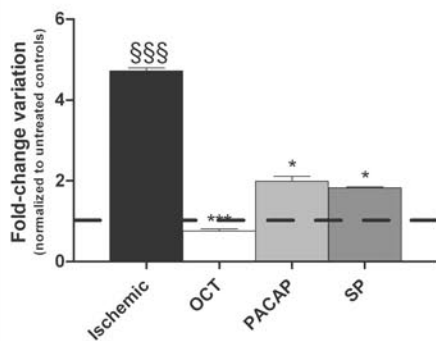
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A**ADENINE****B****ADENOSINE****C****HYPOXANTHINE****D****INOSINE****E****AMP****F****IMP**

Glutathione m/z: 306.0735-306.0796

