

Minocycline modulates microglia polarization in ischemia-reperfusion model of retinal degeneration and induces neuroprotection

Amel Ahmed^{1,3}, Lei-Lei Wang^{1,2}, Safaa Abdelmaksoud³, Amal Aboelgheit³, Safaa Saeed³, and Chun-Li Zhang^{1,2*}

¹Department of Molecular Biology, University of Texas Southwestern Medical Center, Dallas, Texas 75390, USA

²Hamon Center for Regenerative Science and Medicine, University of Texas Southwestern Medical Center, Dallas, Texas 75390, USA

³Department of Histology and Cell Biology, Faculty of Medicine, Assiut University, Assiut, Egypt

*Corresponding author

Chun-Li Zhang, Ph.D.

Tel: (214)-648-1670

Fax: (214)-648-1488

Email: Chun-Li.Zhang@UTSouthwestern.edu

Supplementary Table S1. Primer sequences for qPCR

Genes	Sequences
<i>Cd11b</i>	forward primer, 5'- AAGGATTCAAGCCAGAA-3' reverse primer, 5'-GGAGGGATGAGAG TCCACAT-3'
<i>Cx3cr1</i>	forward primer, 5'-CAGCATCGACCGGTACCTT-3' reverse primer, 5'-GCTGCACTGTCCGGTTGTT-3'
<i>Iba1</i>	forward primer, 5'-CTTGAA GCGAATGCTGGAGAA-3' reverse primer, 5'-GGAGCCACTGGACACCTCT-3'
<i>Il4</i>	forward primer 5'-TGGGTCTCAACCCCCAGCTAGT-3' reverse primer 5'-TGCATGGCGTCCCTTCCTGT-3'
<i>Cd86</i>	forward primer 5'-ACGATGGACCCCCAGATGCACCA-3' reverse primer 5'- GCGTCTCCACGGAAACAGCA-3'
<i>Il1b</i>	forward primer 5'-CCTGCAGCTGGAGAGTGTGGAT-3' reverse primer 5'- TGTGCTCTGCTTGAGGTGCT-3'
<i>Cd68</i>	forward primer, 5'-CCACAGGCAGCACAGTGGACA-3' reverse primer 5'-TCCACAGCAGAAGCTTGGCCC-3'
<i>Infg</i>	forward primer, 5'- GCCAAGTTGAGGTCAACAACCCA-3' reverse primer 5'- CCCACCCCGAATCAGCAGCG-3'