

Impact of Viral Inflammation on the Expression of Renal Drug Transporters in Pregnant Rats: Supplementary Materials

Navaz Karimian Pour, Eliza R. McColl and Micheline Piquette-Miller

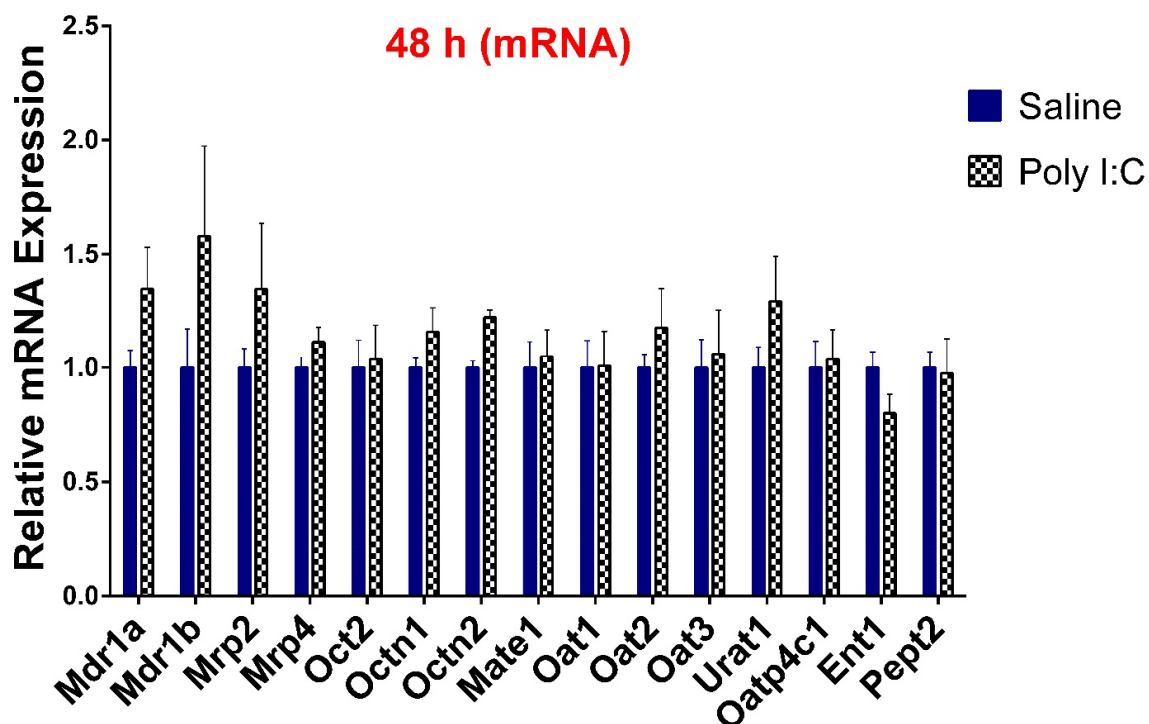
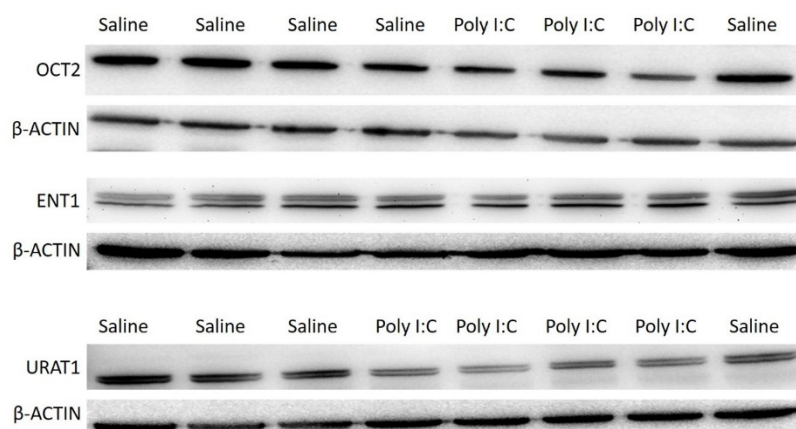


Figure S1. Effect of poly I:C on renal mRNA expression of transporters at 48 h. mRNA was extracted from kidneys at 48 h after i.p. administration of 10 mg/kg poly I:C or saline to pregnant rats on gestational day 14 as described in methods (n = 8/group). Results are expressed relative to saline control and shown as mean $\pm$ S.E.M. Significance was determined using the Student's Unpaired T Test.

A (24 h)



B (48 h)

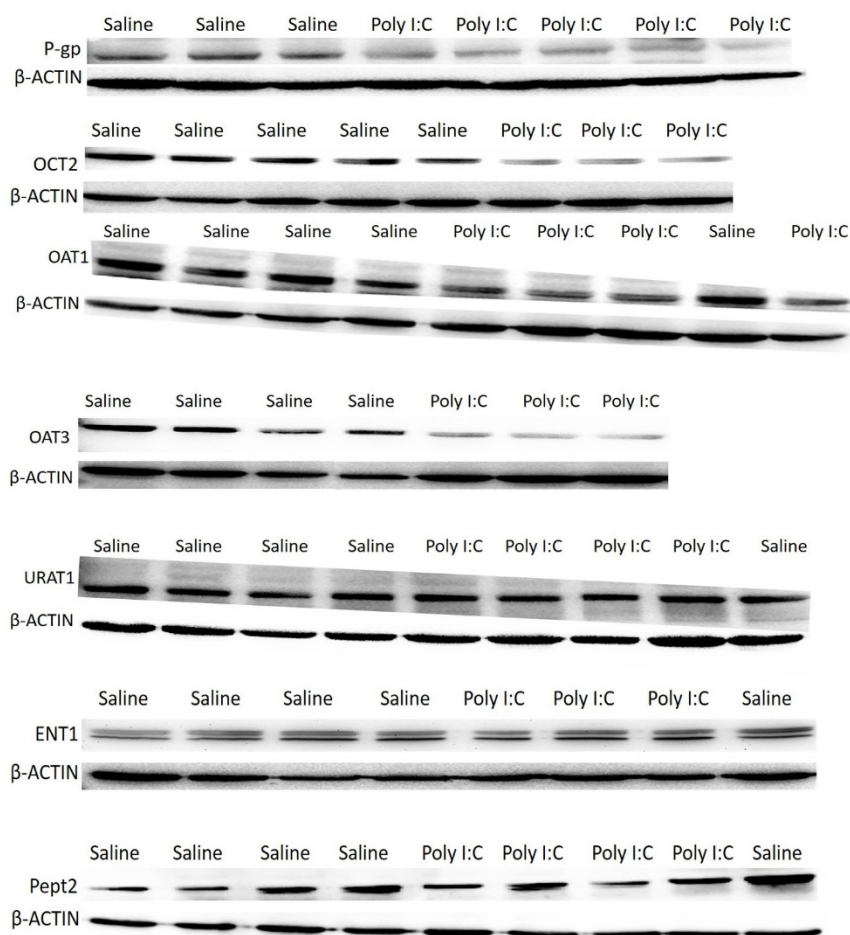


Figure S2. Effect of poly I:C on protein expression of transporters. Representative western blot images at (A) 24 h and (B) 48 h after i.p. administration of 10 mg/kg poly I:C or saline to pregnant rats on gestational day 14 as described in methods (n = 8/group).

Table S1. Primer sequences used in Real Time PCR reactions (F: forward primer, R: reverse primer).

Gene Name	Primers
Ent1/Slc29A1	F: 5'-GTGAAGGAGAGGAGCCAAGAG-3' R: 5'-TGTTGGCGGGTAGAGAGTTG-3'
Gapdh	F: 5'-GCTCTCTGCTCCTCCCTGTTC-3' R: 5'-GAGGCTGGCACTGCACAA-3'
IL-1 β	F: 5'-CGTGCTGTCTGACCCATGTG -3' R: 5'-ACTTGTGGCTTATGTTCTGTCCAT-3'
IL-6	F: 5'-GATGGATGCTTCCAAACTGGATAT-3' R: 5'-TCCAGAAGACCAGAGCAGATTTT-3'
Mate1/Slc47A1	F: 5'-CATCGGGATCTCACTGATGTTC-3' R: 5'-GATGATTCCTGACCACAGACCAA-3'
Mdr1a/Abcb1a	F: 5'-GCAGGTTGGCTGGACAGATT-3' R: 5'-GGAGCGCAATTCCATGGATA-3'
Mdr1b/Abcb1b	F: 5'-AAACATGGCACGTAACCAAAGTT-3' R: 5'-AAAATGTGGCCCTGTTTAATGATT-3'
Mrp2/Abcc2	F: 5'-AAACGTTACGGGCACATC -3' R: 5'-CAGGACTGCTGAGGGACATAGG -3'
Mrp4/Abcc4	F: 5'-TCAGTGTTGGACAGAGACAGTTAGTG-3' R: 5'-CTTCTCCCGGATTTTCTGTTGTAT-3'
Oat1/Slc22A6	F: 5'-GTGGTTGCTCCCCTACTGCT-3' R: 5'-ATTCCGGTTGTCCTTGCTTG-3'
Oat2/Slc22A7	F: 5'-GTGTGTCCCAGGCATCATCA-3' R: 5'-CCACACGACCCTGGGTTAGA-3'
Oat3/Slc22A8	F: 5'-GACTGAAGGCAGCACCAGAG-3' R: 5'-CAACAGCACCAGAGACACCA-3'
Oatp4C1/Slco4C1	F: 5'-GCAAGGTATTGTAGTAAATGGCCTAGT-3' R: 5'-AGACAACACGCAAAAGGAGATG-5'

Oct2/Slc22A2	F: 5'-CGTCTACCGTCTCACGGACAT-3'
	R: 5'-AGGCCAACCACAGCAAATACA-3'
Octn1/Slc22A4	F: 5'-CCTGTTCTTCGTAGGCGTTCTCT-3'
	R: 5'-TCCTGCCGAACCTGTCTGA-3'
Octn2/Slc22A5	F: 5'-ATCCGCAAAGCTGCCAAA-3'
	R: 5'-CACTGGGATCGAAGATAGTGGAA-3'
Pept2/Slc15A2	F: 5'-GGACCTTCCGAAGCGACAA-3'
	R: 5'-GCGATGAGATGCTTTGGATATTT-3'
TNF- α	F: 5'-GGTCCCAACAAGGAGGAGAAGT-3'
	R: 5'-TGGGCCATGGAACTGATGA-3'
Urat1/Slc22A12	F: 5'-CCATCCAAGACATCCAGAAACA-3'
	R: 5'-GACGGAGCCGCCTGCTA-3'