

**Supplemental table 1: Primers and probes used for real-time polymerase chain reaction**

Gene name	Symbol	Genebank No.	Function	Nucleotide sequence
Chemokine (C-C motif) ligand 2	<i>Ccl2</i>	NM_011333	Forward	5'-GAGCATCCACGTGTTGGCT-3'
			Reverse	5'-TGGTGAATGAGTAGCAGCAGGT-3'
			Probe	5'-AGCCAGATGCAGTTAACGCCCCACT-3'
Chemokine (C-C motif) ligand 3	<i>Ccl3</i>	NM_011337	Forward	5'-CAGCCAGGTGTCATTTTCCT-3'
			Reverse	5'-CCAAGACTCTCAGGCATTCAG-3'
			Probe	5'-AGGAGAAACCGGCAGATCTGCGCT-3'
Chemokine (C-X-C motif) ligand 1	<i>Cxcl1</i>	NM_008176	Forward	5'-CATAGCCACACTCAAGAATGGT-3'
			Reverse	5'-TGAACCAAGGGAGCTTCAG-3'
			Probe	5'-CGCGAGGCTTGCCTTGACC-3'
Chemokine (C-X3-C motif) ligand 1	<i>Cx3cl1</i>	NM_009142	Forward	5'-ATTGTCCTGGAGACGACACA-3'
			Reverse	5'-GCTTCTCAAACCTGCCACCA-3'
			Probe	5'-TCTGTGCTGACCCGAAGGAGAAATG-3'
Hypoxanthine guanine phosphoribosyl transferase	<i>Hprt</i>	NM_013556	Forward	5'-AGCTTGCTGGTGAAAAGGAC-3'
			Reverse	5'-AGTCAAGGGCATATCCAACAAC-3'
			Probe	5'-AGTGTGGATACAGGCCAGACTTTGTTG-3'
Intercellular adhesion molecule 1	<i>Icam1</i>	NM_010493	Forward	5'-CCTAAGATGACCTGCAGACGG-3'
			Reverse	5'-TTTGACAGACTTCACCACCCC-3'
			Probe	5'-CAGATGGTGCCCTGCTGCCCA-3'
Interleukin 1 beta	<i>Il1b</i>	NM_008361	Forward	5'-TTGTGCAAGTGTCTGAAGCA-3'
			Reverse	5'-TCACTGTCAAAAAGGTGGCATT-3'
			Probe	5'-CTATGGCAACTGTTCCCTGAACTCAACTGTG-3'
Interleukin 6	<i>Il6</i>	NM_031168	Forward	5'-GCAAGAGACTTCCATCCAGTT-3'
			Reverse	5'-TCCTCTGTGAAGTCTCCTCTCC-3'
			Probe	5'-CCTTCTTGGGACTGATGCTGGTGAC-3'
Selectin, endothelial cell (E-selectin)	<i>Sele</i>	NM_011345	Forward	5'-CAACAATTCCACTGAACAGAAAGT-3'
			Reverse	5'-CTCCAGCGAGGAGAACAAAA-3'
			Probe	5'-CAGTCTAGCGCTGGATGAAAGCAAC-3'
Selectin, platelet (P-selectin)	<i>Selp</i>	NM_011347	Forward	5'-CAGAAAGAAAGATGATGGAAAATG-3'
			Reverse	5'-CGGGTTTCTTAAGGGGTTG-3'
			Probe	5'-TTGAACCCTCACAGCCACCTAGGAAC-3'
Tumor necrosis factor	<i>Tnf</i>	NM_013693	Forward	5'-TCTATGGCCCAGACCCTCAC-3'
			Reverse	5'-TTGCTACGACGTGGGCTACA-3'
			Probe	5'-CTCAGATCATCTTCTCAAATTCGAGTGACAAGC-3'
Vascular cell adhesion molecule 1	<i>Vcam1</i>	NM_011693	Forward	5'-TCTACATCTCTCCAGGAATACAAC-3'
			Reverse	5'-GAACAGGTCATTGTCACAGCA-3'
			Probe	5'-ATCTCTGTACATCCCTCCACAAGGCTTCA-3'

**Supplemental table 2: Regional cerebral blood flow during and after middle cerebral artery occlusion**

Sacrifice	Treatment	N	Weight (g)	Regional cerebral blood flow		
				T0	T1	W
6 h	Saline	23	24.7 ± 3.2	7 ± 3	8 ± 5	119 ± 30
	rtPA	23	25.4 ± 2.0	7 ± 2	9 ± 4	119 ± 24
24 h	Saline	20	24.7 ± 2.3	7 ± 3	7 ± 2	114 ± 29
	rtPA	32	24.9 ± 2.2	8 ± 3	9 ± 4	115 ± 35
72 h	Saline	23	24.7 ± 3.0	8 ± 3	7 ± 2	119 ± 24
	rtPA	34	25.1 ± 2.4	6 ± 2	7 ± 3	116 ± 31

Regional cerebral blood flow is expressed as a percentage of pre-ischemic values. Measures were performed at the onset of ischemia (T0), just before reperfusion (T1), and immediately after suture withdrawal (W). Only animals meeting the inclusion criteria are shown.

**Supplemental table 3: Contralateral mRNA level changes during reperfusion**

Gene	Treatment	6 h reperfusion	24 h reperfusion	72 h reperfusion
<i>Ccl2</i>	Saline	1.0 [0.8-1.4]	3.5 [1.1-6.4] +	1.0 [0.8-2.6]
	rtPA	0.9 [0.7-1.2]	1.5 [1.1-2.2] +	1.2 [0.9-1.5]
<i>Ccl3</i>	Saline	1.0 [0.8-1.2]	1.7 [1.2-3.4] +	2.0 [1.5-4.7] +
	rtPA	1.0 [0.9-1.1]	1.1 [0.9-2.0]	2.2 [1.7-3.8] +, x
<i>Cxcl1</i>	Saline	1.0 [0.8-2.0]	0.7 [0.4-1.2]	0.5 [0.3-2.2]
	rtPA	0.7 [0.3-1.3]	0.8 [0.5-0.9]	1.9 [0.8-4.4] +
<i>Il1b</i>	Saline	1.0 [0.9-1.4]	1.8 [1.6-2.3] +	1.1 [1.0-1.3]
	rtPA	1.2 [0.8-1.8]	1.5 [1.3-1.9]	2.0 [1.2-2.6]
<i>Il6</i>	Saline	1.0 [0.7-2.1]	0.5 [0.3-0.9]	0.7 [0.3-2.2]
	rtPA	0.5 [0.3-2.2]	0.7 [0.5-1.1]	2.8 [0.4-4.6]
<i>Tnf</i>	Saline	1.0 [0.5-2.0]	1.0 [0.7-1.2]	1.2 [0.9-1.5]
	rtPA	1.0 [0.5-1.3]	0.9 [0.7-1.2]	2.2 [1.8-4.0] +, x, †

+, statistically different from the 6 h-time point level in the same treatment group;

x, statistically different from the 24 h-time point level in the same treatment group;

†, statistically different from the saline-treated group at the same time point.

Values are representative of 9 to 10 animals and are shown as relative fold increases compared to contralateral values in the saline-treated group reperfused for 6 h.

**Supplemental table 4: Contralateral protein level changes during reperfusion**

<b>Protein</b>	<b>Treatment</b>	<b>6 h reperfusion</b>	<b>24 h reperfusion</b>	<b>72 h reperfusion</b>
CCL2	Saline	36.1 [27.0-43.4]	37.4 [33.6-41.3]	35.3 [25.7-49.0]
	rtPA	35.7 [27.1-42.2]	40.5 [29.4-53.9]	44.2 [24.7-55.7]
CCL3	Saline	ND	ND	ND
	rtPA	ND	ND	ND
CXCL1	Saline	4.8 [3.9-5.8]	3.8 [3.3-5.0]	3.3 [2.8-3.5] +
	rtPA	6.5 [4.4-9.3]	4.1 [3.6-5.6] +	3.9 [3.4-4.2] +
IL-1b	Saline	12.0 [5.2-14.2]	12.9 [6.1-18.6]	8.7 [6.7-10.7]
	rtPA	12.5 [9.4-18.3]	11.7 [6.3-12.9]	14.4 [11.5-22.1]
IL-6	Saline	3.7 [3.1-3.9]	4.0 [3.5-4.2]	3.5 [3.2-3.7]
	rtPA	3.8 [3.6-4.4]	4.3 [3.5-4.8]	4.3 [4.0-4.4] †
TNFa	Saline	268.4 [250.3-318.7]	210.7 [203.7-237.1]	237.8 [188-294.2]
	rtPA	260.0 [236.7-347.5]	233.5 [180.9-331.7]	261.4 [184.6-316.3]

+, statistically different from the 6 h-time point level in the same treatment group;

†, statistically different from the saline-treated group at the same time point.

Values are representative of 9 to 10 animals and are expressed in pg/mg of protein. ND: non detectable.