

Disruption of Thymic Microenvironment with Age: Remodeling of Blood Vessels and Extracellular Matrix

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Supplementary Table 1

Primer sequences used for qRT-PCR.

Gene	Forward primer	Reverse primer	Gene ID/Reference
<i>Mmp2</i>	5'- ATCCCTGATAACCTGGATGC -3'	5'- TTTGGTTCTCCAGCTTCAGG -3'	17390: Hirono <i>et al.</i> , 2018
<i>Mmp3</i>	5'- CAGGAAGATAGCTGAGGACT -3'	5'- TTCCAAGTGCAGATCCAC -3'	17392
<i>Mmp7</i>	5'- GGCATTCCAGAATTGTCACC -3'	5'- CATACTCCACATTCTGAGAGC -3'	17393
<i>Mmp8</i>	5'- CAAGTGGACACACACTAACC -3'	5'- GATGCTACACTCCAGACGTG -3'	17394
<i>Mmp9</i>	5'- TAAGGAGTTCTCTGGTGTGC -3'	5'- CATGGTCCACCTTGTTACC -3'	17395: Hirono <i>et al.</i> , 2018
<i>Mmp10</i>	5'- ACCCCAGACAAATGTGATCC -3'	5'- AGGCTCGGGATTCCAATGGG -3'	17384
<i>Mmp11</i>	5'- GAACCGACAGAAGCGCTTCG -3'	5'- ACTTGCTCCCTTACAAGCTG -3'	17385
<i>Mmp12</i>	5'- GAGGTCAAGATGGATGAAGC -3'	5'- TCACATCACTCCAGACTTGG -3'	17381
<i>Mmp13</i>	5'- CCCTAGAACAACCTCAATGGTC -3'	5'- ATCAGACCAGACCTTGAAGG -3'	17386
<i>Mmp14</i>	5'- ACCAGTGGATGGACACAGAG -3'	5'- TTGAGGGGGCATCTTTGTGG -3'	17387
<i>Mmp15</i>	5'- ACATCAGTGCTGCCTACGAG -3'	5'- GGGGATGTCTGTGCCATAGC -3'	17388
<i>Mmp16</i>	5'- CTCCTCCCAGTATTGATGC -3'	5'- CAAGTCATGAGGGTAACCAG -3'	17389
<i>Mmp17</i>	5'- GTATGAGCGTACCAAGTGACC -3'	5'- GCTGAAGTCGGAGACAGGTC -3'	23948
<i>Mmp19</i>	5'- TGGATGCAGCTCTCTACTGG -3'	5'- GTTTAGGGTAGCGGCTAAGG -3'	58223
<i>Mmp20</i>	5'- GACCTTCAGGAGCAACTACC -3'	5'- CCTTAATCCTCCTGATCATGG -3'	30800
<i>Mmp21</i>	5'- CCATGGTGGACATAAAGCTG -3'	5'- TGGAGAGAGGAGTGAAGTGC -3'	214766
<i>Mmp23</i>	5'- TGTCCCAGGATGAACTGTGG -3'	5'- GCCTCTTCATGAGCCTCTGG -3'	26561
<i>Mmp24</i>	5'- TGGCAACTTCAACACAGTGG -3'	5'- GAACTGTTTCGATCTGCATGG -3'	17391
<i>Mmp25</i>	5'- TCAGAATCCCGATGCGAAGG -3'	5'- GCAGTTTCTCAAGACTCTGC -3'	240047
<i>Mmp27</i>	5'- CAGATGTGGGGCAATATGGC -3'	5'- AGCTGGTGTCATATCAGGAG -3'	234911
<i>Mmp28</i>	5'- ATGCCACTTGGACAGAGAGG -3'	5'- AGGCGGTAGGAAAGATGCTG -3'	118453
<i>Timp1</i>	5'- CATGGTCCACCTTGTTACC -3'	5'- TCACTCTCCAGTTTGCAAGG -3'	21857: Hirono <i>et al.</i> , 2018
<i>Timp2</i>	5'- CCTCTGTGACTTCATTGTGC -3'	5'- GATGTAGCAAGGGATCATGG -3'	21858: Hirono <i>et al.</i> , 2018
<i>Timp3</i>	5'- TCAATTACCGCTACCACCTG -3'	5'- GCCAGGGTACCCAAAATTGG -3'	21859: Hirono <i>et al.</i> , 2018
<i>Timp4</i>	5'- CTGTGCAACTACATTGAGCC -3'	5'- GAGATGGTACATGGCACTGC -3'	110595: Hirono <i>et al.</i> , 2018

Reference:

Hirono J, Sanaki H, Kitada K, Sada H, Suzuki A, Lie LK, Segi-Nishida E, Nakagawa K, Hasegawa H. Expression of tissue inhibitor of metalloproteinases and matrix metalloproteinases in the ischemic brain of photothrombosis model mice. *NeuroReport*, **29**, 174-180 (2018).