

Supplementary Materials

# Transfer of Cardiac Mitochondria Improves the Therapeutic Efficacy of Mesenchymal Stem Cells in a Preclinical Model of Ischemic Heart Disease

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**Table S1.** Human and mouse primer sequences.

Gene	Human primer sequences	Gene	Mouse primer sequences
<b>TBP</b>	Forward : 5'-AACAAACAGCCTGCCACCTTA-3' Reverse : 5'-GGGTCAGTCCAGTGCCATAA-3'	<b>TBP</b>	Forward: 5'- ATCCCAAGCGATTTGCTG -3' Reverse: 5'- CCTGTGCACACCATTTTTCC -3'
<b>Ki67</b>	Forward: 5'-ACGTCGTGTCTCAAGATC-3' Reverse: 5'-CGGTACTGTCTTCTTTGAC-3'	<b>VEGF</b>	Forward: 5'-AACGATGAAGCCCTGGAGTG-3' Reverse: 5'-TGAGAGGTCTGTTCCCGA-3'
<b>VEGF</b>	Forward: 5'-AGAAGGAGGAGGGCAGAATC-3' Reverse: 5'-ACACAGGATGGCTTGAAGATG-3'	<b>VEcadherin</b>	Forward: 5'-TTGGGCTTCTGACTGTTGT-3' Reverse: 5'-CAGGGACTTCGTGGGTTT-3'
<b>HGF</b>	Forward: 5'-CGACAGTGTTCCTTCTCG-3' Reverse: 5'-AAGGCTTCAAGGCATCTG-3'	<b>CD31</b>	Forward: 5'-CGGTTATGATGATGTTTCTGGA-3' Reverse: 5'-AAGGGGAGGACACTTCCACTTCT-3'
<b>CXCL1</b>	Forward: 5'-TAAAGGTAGCCCTTGTTCCTCC-3' Reverse: 5'-CAGACCACGCAAGGAGTTCA-3'	<b>CD206</b>	Forward: 5'-CTCTGTTTCAGCTATTGGACGC-3' Reverse: 5'-CGGAATTCTGGGATTGAGCTTC-3'
<b>CXCL5</b>	Forward: 5'-CTTCCACCTTGGAGCACTGT-3' Reverse: 5'-CCAAGGTGGAAGTGGTAGCC-3'	<b>Arg1</b>	Forward: 5'-CTCCAAGCCAAAGTCCTTAGAG-3' Reverse: 5'-AGGAGCTGTCTTAGGGACATC-3'
<b>CXCL6</b>	Forward: 5'-TTTAGAAAAGGGGCTTCCGGG-3' Reverse: 5'-GCGTTTGAGTCAGCAAAGAAGTC-3'	<b>CHIA</b>	Forward: 5'-ATGGCCAAGCTACTTCTCGTCACA-3' Reverse: 5'-TCCCAGCAAAGGCATAGATCAGGT -3'
<b>IL8</b>	Forward: 5'-TTCCTTGGGGTCCAGACAGA-3' Reverse: 5'-CATGAAGTGTGTTGCCGC-3'	<b>CHIL3</b>	Forward: 5'-TGCCTGACTATGAAGCATTGAAT-3' Reverse: 5'-CCAATGGCCAGGAGAGTTTTT-3'
<b>IL11</b>	Forward: 5'-CAGGGAATCCAGGTTGTGGTC-3' Reverse: 5'-GAAAATCCCAACAGAAGGCCAAA-3'	<b>iNOS</b>	Forward: 5'-CCACCAACAATGGCAACATCAGGT-3' Reverse: 5'-TAGGTCGATGCACAACTGGGTGAA-3'
<b>IL33</b>	Forward: 5'-TAACTCAGTAACACCTTATCTGTGA-3' Reverse: 5'-CCAACGTGACGGACTTCCC-3'	<b>TN a</b>	Forward: 5'-AATGGCCTCCCTCTCATCAGTT-3' Reverse: 5'-CGAATTTTGAGAAGATGATCTGAGTGT-3'

<b>LIF</b>	Forward: 5'-TACACGACTATGCGGTACAGC-3' Reverse: 5'-CTGGCGATACCTCAGCAACC-3'	<b>LIF</b>	Forward: 5'-GCTGTATCGGATGGTCGCATA-3' Reverse: 5'-CACAGACGGCAAAGCACATT-3'
<b>MMP1</b>	Forward: 5'-GGTGTGACATTACTCCAGAGTTG-3' Reverse: 5'-GGACTTAGACCGCTTGGCTT-3'	<b>Co -1</b>	Forward: 5'-GACGCCATCAAGGTCTACTG-3' Reverse: 5'-ACGGGAATCCATCGGTCA-3'
<b>MMP9</b>	Forward: 5'-TTCAGGGCGAGGACCATAGA-3' Reverse: 5'-TCCAGCAACTTTATGGGGGT-3'	<b>Co -3</b>	Forward: 5'-GAGGAATGGGTGGCTATCCG-3' Reverse: 5'-GCGTCCATCAAAGCCTCTGT-3'
<b>MMP14</b>	Forward: 5'-TTCCCGTCACAGATGTTGGG-3' Reverse: 5'-TTCCCGTCACAGATGTTGGG-3'	<b>Fib onectin-1</b>	Forward: 5'-CCAGGCACTGACTACAAGAT-3' Reverse: 5'-CATGATACCAGCAAGGAGT-3'