SEQUENCE LISTING

<110> Agency for Science, Technology, and Research
National University of Singapore

<120> MODULATION OF TJP1 EXPRESSION TO REGULATE REGENERATION OF HEART CELLS

<130> 9869SG4720

<150> 10201607673U
<151> 2016-09-14

<160> 9

<170> PatentIn version 3.5

<210> 1
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> mTJP1 shRNA

<400> 1
ccgggcctgc atacaataaa gcaaactcga gtttgcttta ttgtatgcag gctttttg 58

<210> 2
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> mTJP1 shRNA

<400> 2
ccggggaacc actctatcaa gtattctcga gaatacttga tagagtggtt cctttttg 58

<210> 3
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> mTJP1 shRNA

<400> 3
ccggcgtgga ttgaacttac taaatctcga gatttagtaa gttcaatcca cgtttttg 58

<210> 4
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> mTJP1 shRNA

<400> 4
ccggccgcga agttatgagc aagttctcga gaacttgctc ataacttcgc ggtttttg 58

<210> 5
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer 1

<400> 5
cttctctgac cctacacagc tacc 24

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer 2

<400> 6
atcgtgtggg aaagacaagc 20

<210> 7
<211> 32
<212> PRT
<213> Homo sapiens

<400> 7

Asp Gln Asp Pro Pro Glu Arg Gly Ala Pro Pro Ser Thr Phe Lys Gly
1 5 10 15

Thr Pro Thr Ala Glu Asn Pro Glu Tyr Leu Gly Leu Asp Val Pro Val
20 25 30

<210> 8
<211> 31
<212> PRT
<213> Homo sapiens

<400> 8

Thr Leu Arg Ser Leu Glu Ala Thr Asp Ser Ala Phe Asp Asn Pro Asp
1 5 10 15

Tyr Trp His Ser Arg Leu Phe Pro Lys Ala Asn Ala Gln Arg Thr
20 25 30

<210> 9
<211> 33
<212> PRT
<213> Homo sapiens

<400> 9

Pro Ile Val Ala Glu Asn Pro Glu Tyr Leu Ser Glu Phe Ser Leu Lys
1 5 10 15

Pro Gly Thr Val Leu Pro Pro Pro Pro Tyr Arg His Arg Asn Thr Val
20 25 30

Val