

**Supplementary Table. 1 Primer sequences**

<b>Gene</b>	<b>sequence</b>	<b>Product Length(bp)</b>
<i>Gapdh</i>	F:5'GGGAAACTGTGGCGTGAT3' R:5'GAGTGGGTGTCGCTGTTGA3'	299
<i>Kcnma1</i>	F:5'ATAGTGC GGTTAGTGG AAGAA3' R:5'GGGGGAGATGTTGTGAAGA3'	143
<i>Il1r1l</i>	F:5'CATTGACCTCTACA ACTGGACA3' R:5'ACCTGCGTCCTCAGTCATC3'	127
<i>Ncf1</i>	F:5'ACGGACAACCAGACAAAAAAG3' R:5'CTGACAGAACCACCAACCG3'	207
<i>Sema3a</i>	F:5'CAGTTGTGCCTCATTATCCG3' R:5'CGCTGTAGGTCCCTTTGCT3'	254
<i>Adamts18</i>	F:5'CCTCTGTCGCTGTGTCTACG3' R:5'TCTCCTCTGCTGTCC TTTTG3'	165
<i>Actb</i>	F:5'CCTGTACGCCAACACAGTGC3' R:5'ATACTCCTGCTTGCTGATCC3'	211
<i>Rock2</i>	F:5'GAAGTGGGTTAGTCGGTTGG3' R:5'CAGTTAGCTAGGTTTGT TGGG3'	157
<i>Pxn</i>	F:5'GAGAAGCCTAAGCGGAATGG3' R:5'AGATGCGTGTCTGCTGTTGG3'	175
<i>Tp53</i>	F:5'GCCATATCTGTGAAATGCT3' R:5'ACTTGACA ACTCCCTCTACCTAAC3'	214
<i>Cdkn1a</i>	F:5'CACTTTGATTAGCAGCGGAACA3' R:5'GAGAAACGGGAACCAGGACAC3'	261
<i>Max</i>	F:5'GGAAATGAGCGATAACGATG3' R:5'CAGTTGGAAAAGGCAAGTGT3'	239
<i>Vegfa</i>	F:5'CATGCAGATTATGCGGATCAA3' R:5'GCATTACATTTGTTGTGCTGTAG3'	82
<i>Pcna</i>	F:5'TGCCTTCTGGTGAATTTGC3' R:5'CACCGTTGAAGAGAGTGGAGT3'	260
<i>Atm</i>	F:5'GCTTCTCCCTTTGTTGTGACTTA3' R:5'CAATACCTGTTTCTGAACCTCCA3'	149
<i>Mmp3</i>	F:5'ACAAGGAGGCAGGCAAGAC3' R:5'CACGCACAGCAACAGTAGGA3'	99
<i>Stag2</i>	F:5'AAAACGGAAAAGTGGTTGAGG3' R:5'TAGTGGAGGTGAGTTGTGGTG3'	134
<i>Satb2</i>	F:5'GTGGCTGAATATAAGGACGA3' R:5'AAAATCCTTGGACCGATGTAT3'	192
<i>Tnf</i>	F:5'CCCTGGTATGAGCCCATCTATC3' R:5'CGAAGTGGTGGTCTTGTGCT3'	298
<i>Il-6</i>	F:5'AAATTCGGTACATCCTCGACGG3' R:5'GGAAGGTT CAGGTTGTTTCTGC3'	112

<b>Gene</b>	<b>sequence</b>	<b>Product Length(bp)</b>
<i>Il-8</i>	F:5'TGGCAGCCTTCCTGATTCT3' R:5'GGGTGGAAAGGTTTGGAGTATG3'	109