

Supplementary Table 2. Analysis results of *LINC02582* sequences by Open

Reading Frame Finder Finder from NCBI

1、 Sequences of *LINC02582*

GCTGACTCTCTTTTCGGACTCAGCCCGCCTGCACCCAGGTGAAATAAACTGCCATGTTGCT
 CACTAAGCCTGTTTGGTGGTCTCTTCACAGGGACACGGATGAAATTTTCGTGCCGTGACT
 CGGATCGGAGAACCTCCCTTAGGAGATCAATCCCCTGTACTCCTTTTCTTTACCCTGTGAG
 AAAGATCCACCTATTACCTCAGGTCCTCAGACCGACCAGCCCAAGGAACATCTACCAATT
 TAAATGAGACCTTGAAGATTGTTGTTCAAGGAGAACTGAAGACCAAGAAGGAAAGTC
 AGAGCCAGCAATACCAGCAGAGCCAGATCTGAGCTGGGAGAAGCCGAGAAAGTTTGTGA
 ACAGGAGATCGGTGACCTGGGCTCCTTATGTGCCTGAAAGAGTTTGAGTTTCTGTAACT
 CCAAATCAACAGTATTTTCAACAAGAAATGTGCAATTGAAATCAAGTGCTGTTAAGTACA
 GCTTGATTTCCCCAGGAAGACACTTGCAGTGAACAGAGTTATGGAGCAGCAAAAAACA
 GATCTATTTGGAATTAGAGATAAGATATGCGTTGTATTTTTCGTCATATATAATACCATCT
 CTCAAAGGTGGTTCTAAATTACAAAGGACTTTGATTTCTAGGTAGATTCTGGGTAGAGACT
 TCCTTTCTTATGAGGCATTAATGACACCGTTAACCTGTGACGCAATATGACTGGAGTTGT
 ACTTTGAGAAGATTAATCAGGTTTGGTTGCAGAATGAAAGAGAAGATGAAGTCAAGAGAT
 TGGTTTAGAGGCTCTAGCAGAAGCTTAGTCATATTTCAAAATGATCAAATGTCAAGAAATAT
 TCTGAGCTGCATAACTTGATAAAGTAATTTTCAGTGATTTCTTTCATGGTTATGATAAAGA
 ACTGGATTCGCAGAAACTTTTACCCTGAATCAAGATTAATTTTCTTTGAGCTCATCTTAA
 GGATATCGGAACATAGGGAGCAAACGATGGTGTGGCTGCCTCAGTGCTTGATTTTAAACGG
 TTTTGAAGAGATTAGTTACATTTCTTCTCCTAGTAAGAATAATAAATACTTAAACAGAAAT
 GAATTCCTATTTCTTTGTACTGGTCTATGTCTTCAAACATTAATACTATTGATAAGAT
 ATCACCTTTTAAAAA

2、 The Open Reading Frame of *LINC02582*

Mark subset... Marked: 0 as ▼

| Label ▲ | Strand | Frame | Start | Stop | Length (nt aa) |
|-------------|----------|----------|------------|------------|------------------|
| ORF1 | + | 1 | 196 | 336 | 141 46 |
| ORF2 | + | 1 | 391 | 480 | 90 29 |
| ORF3 | + | 1 | 766 | 882 | 117 38 |
| ORF4 | + | 3 | 54 | 182 | 129 42 |
| ORF5 | + | 3 | 1101 | >1181 | 81 26 |
| ORF6 | - | 1 | 824 | 702 | 123 40 |
| ORF7 | - | 1 | 689 | 549 | 141 46 |
| ORF8 | - | 2 | 571 | 419 | 153 50 |
| ORF9 | - | 3 | 1092 | 976 | 117 38 |

3、The predicted protein results of *LINC02582* Open Reading Frame

>**lcl|ORF1**:196:336 unnamed protein product
MTSGPQTDQPKEHLTNFKSDLEDLLFKEKLKSKKESESQQYQQSQI

>**lcl|ORF2**:391:480 unnamed protein product
MCLKEFEFPVNSKSTVFSTRNVQLKSSAV

>**lcl|ORF3**:766:882 unnamed protein product
MKEKMKS RDWFRGSSRSLVIFQNDQISRKILSCITCIK

>**lcl|ORF4**:54:182 unnamed protein product
MLLTQSLFGGLFTGTRMKFGAVTRIGEPPLGDQSPVLLFFAL

>**lcl|ORF5**:1101:1181 unnamed protein product, partial
MNSLSLCTLVYFFKTLNTIDKISPFKK

>**lcl|ORF6**:824:702 unnamed protein product
MTKLLLEPLNQSLDFIFSFILQPNLINLLKVQLQSYCFPG

>**lcl|ORF7**:689:549 unnamed protein product
MPQYERKSLPRIYLEIKVLCNLEPPLRGWYFIIIEAKYNA YVFSFSK

>**lcl|ORF8**:571:419 unnamed protein product
MFSLFPNRSVLLLHNSVHCKCLPVEILAALKQHLISIAHFLLKILLIWS

>**lcl|ORF9**:1092:976 unnamed protein product
MYLLVLTRRRNV TILFKTVKNQALRQPHHRLLP MFRYP
