The images bellow shows alignments of lncRNA1-7 against RNA-seq and the corresponding genomic sequences.

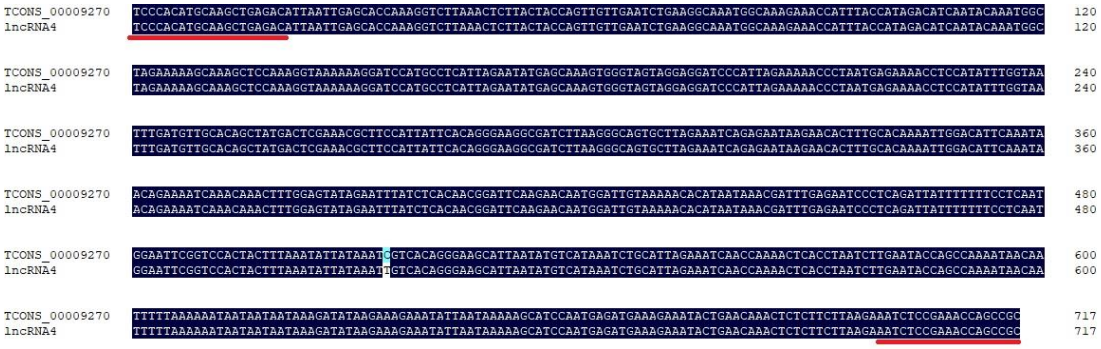
Alignments of lncRNA1-7 against RNA-seq sequences.

lncRNA1 against TCONS_00179561

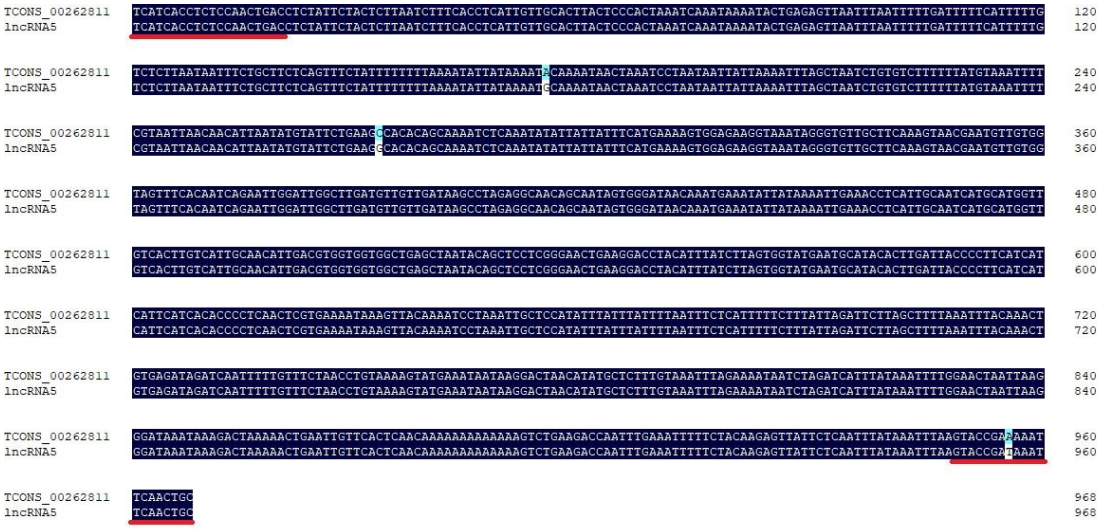
lncRNA2 against TCONS_00109592

lncRNA3 against TCONS_00133884

lncRNA4 against TCONS_00009270

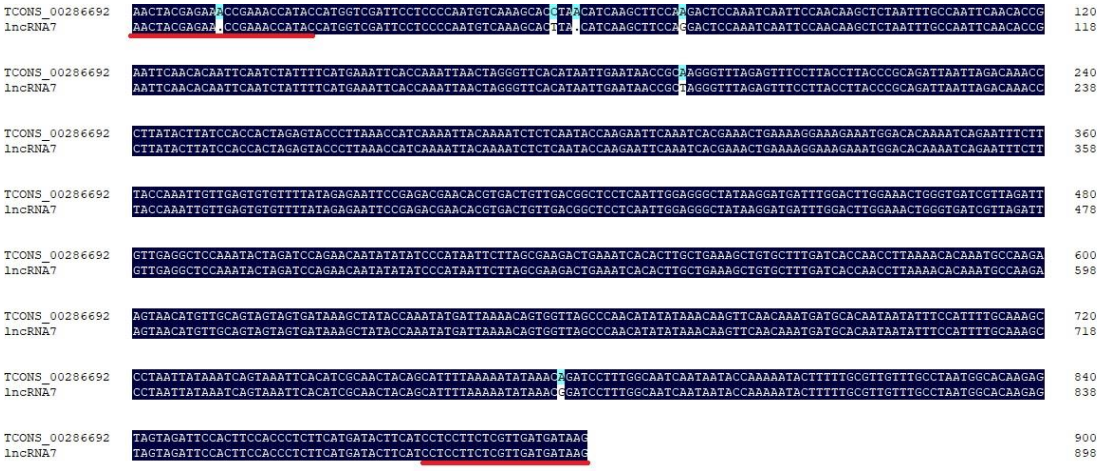


lncRNA5 against TCONS_00262811



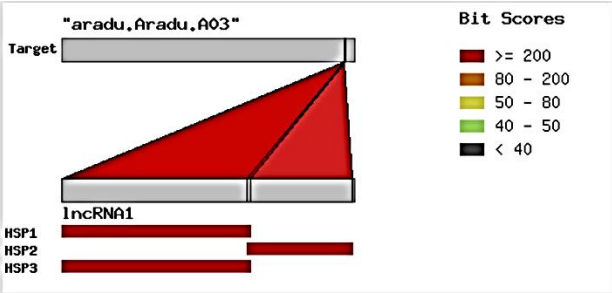
lncRNA6 against TCONS_00236479

lncRNA7 against TCONS_00286692



Alignments of lncRNA1-7 against the corresponding genomic sequences.

lncRNA1 against Aradu.A03: 130713152 – 130713435.



Alignment

HSP 1

Identity= 283/284 (99.65%), Positive= 283/284 (99.65%) Query Matches 1 to 284 Hit Matches = 130713152 to 130713435

```
Query:         1 GTCCATTGATCACAACATTTTACTAATTACATTACATCTCTCATAATGAGTCGACAAACT 60
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 130713152 GTCCATTGATCACAACATTTTACTAATTACATTACATCTCTCATAATGAGTCGACAAACT 130713211

Query:        61 AAACCCCAAAATGTGGACCAGCTCATATCCCTGCGCGATCCACCCCGGCAGTCCCGCAGC 120
                 ||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||
Sbjct: 130713212 AAACCCCAAAATGTGGACCAGCTCATATCCCTGCGTGATCCACCCCGGCAGTCCCGCAGC 130713271

Query:       121 AGCAACCAGCAACCTCACAGCAGCGGCGGCAGTAGCAGCAGCAACCAGCAGTCTCGTGGC 180
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 130713272 AGCAACCAGCAACCTCACAGCAGCGGCGGCAGTAGCAGCAGCAACCAGCAGTCTCGTGGC 130713331

Query:       181 GGCAGTGGCGGCGGCAGCAACAGAGCAGCGAAAATTGAAGACATGGCCTATACGCCTAAC 240
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 130713332 GGCAGTGGCGGCGGCAGCAACAGAGCAGCGAAAATTGAAGACATGGCCTATACGCCTAAC 130713391

Query:       241 ATGACCACAAAACCCACATGATCACTAGGAAACAAAACAGGTAC 284
                 ||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 130713392 ATGACCACAAAACCCACATGATCACTAGGAAACAAAACAGGTAC 130713435
```

HSP 2

Identity= 156/158 (98.73%), Positive= 156/158 (98.73%) Query Matches 279 to 436 Hit Matches = 130713529 to 130713686

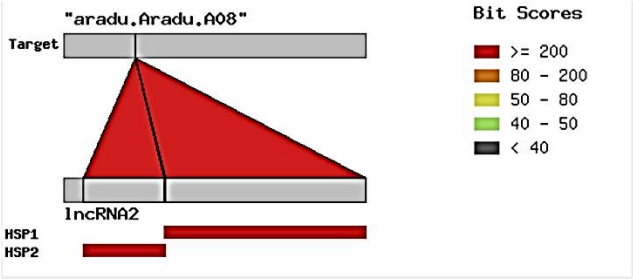
```
Query:       279 AGGTACATGCATATGTGGAAGTGGGAATAAGCTTGCAGCAGCAGCAGAGATTGTTATTGT 338
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 130713529 AGGTACATGCATATGTGGAAGTGGGAATAAGCTTGCAGCAGCAGCAGAGATTGTTATTGT 130713588

Query:       339 TGATCAAAGATTATTCGCTATTTGGTTAATTAATTGTAATTCGTTAATTATTATTGTTCG 398
                 ||||||||||||||||  ||||||||||||||||||||||||||||||||||||||||||
Sbjct: 130713589 TGATCAAAGATTATTCATTATTTGGTTAATTAATTGTAATTCGTTAATTATTATTGTTCG 130713648

Query:       399 TTTCGTTCTTATTGGTCTGTTTAATTTGTAGCTTTTGA 436
                 ||||||||||||||||||||||||||||||||||||||
Sbjct: 130713649 TTTCGTTCTTATTGGTCTGTTTAATTTGTAGCTTTTGA 130713686
```

HSP 3

Identity= 243/284 (85.56%), Positive= 243/284 (85.56%) Query Matches 1 to 284 Hit Matches = 130744039 to 130744303

```
Query:         1 GTCCATTGATCACAACATTTTACTAATTACATTACATCTCTCATAATGAGTCGACAAACT 60
                 |||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Sbjct: 130744039 GTCCATTGATCACAACATTTTACTAATTACATTACATCTCTCACAATGAGTCGACAAACT 130744098

Query:        61 AAACCCCAAAATGTGGACCAGCTCATATCCCTGCGCGATCCACCCCGGCAGTCCCGCAGC 120
                 ||||||||||||||||  ||||||||||||||  |||||||||||||||||||||||||||
Sbjct: 130744099 AAACCCCAAAATGTGGATCAGCTCATATCCCTTCGCGATCCACCCCGGCAGTCCCGCAGC 130744158

Query:       121 AGCAACCAGCAACCTCACAGCAGCGGCGGCAGTAGCAGCAGCAACCAGCAGTCTCGTGGC 180
                 ||||||||||  |||||||  |||||  ||||  ||||                  ||
Sbjct: 130744159 AGCAACCAGCAGTCTCACAGTGGCGGCAACAGTGACAGC------------------GGT 130744200

Query:       181 GGCAGTGGCGGCGGCAGCAACAGAGCAGCGAAAATTGAAGACATGGCCTATACGCCTAAC 240
                 |||||  |  |  ||  ||||  ||||||||||||||  ||||||||||||||||||||||||
Sbjct: 130744201 GGCAGCGACAGCAACAGCGGCAGAGCAGCGAAAACTGAAGACATGGCCTATACGCCTAAC 130744260

Query:       241 ATGACCACAAAACCCACATGATCACTAGGAAACAAAACAGGTAC 284
                 ||||||||||||||| ||| ||||||||||||||||||| |||
Sbjct: 130744261 ATGACCACAAAACCCA-ATGGTCACTAGGAAACAAAACAGTTAC 130744303
```

lncRNA2 against Aradu.A08: 11755848-11759272



Alignment

HSP 1

Identity= 398/411 (96.84%) , Positive= 398/411 (96.84%) Query Matches 202 to 603 Hit Matches = 11758842 to 11759252

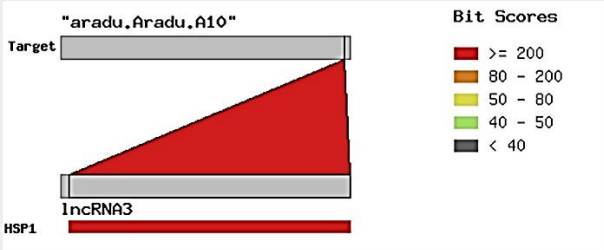
```
Query:          202 AGGTGCTGTGAACGATGTCCGAACCTCCTTATGTTCGTTTCTTGGTTGGTTGTGTCGCAC 261
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      11758842 AGGTGCTGTGAACGATGTCCGAACCTCCTTATGTTCGTTTCTTGGTTGGTTGTGTCGCAC 11758901

Query:          262 GGCAGGGTAAGGAAAGGGCATTCAGTGCTCTCCAATGACTGAATTTTTTTTACCCAGAAT 321
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      11758902 GGCAGGGTAAGGAAAGGGCATTCAGTGCTCTCCAATGACTGAATTTTTTTTACCCAGAAT 11758961

Query:          322 GATATCAAACATTGTTTCCATCTTGTCTAACTTGTTGGTGTCCTGCATGTGAAAATAAAT 381
                    |||||||||||||||||||||||||||||||||||||||||| |||||||||||||| |||
Sbjct:      11758962 GATATCAAACATTGTTTCCATCTTGTCTAACTTGTTGGTGTCTTGCATGTGAAAATCAAT 11759021

Query:          382 ATTGTATACAATGATGTG---------TTATTTATTTAGCAATAAAATTTGGAATCTCAC 432
                    ||||||||||||||||||         ||| ||||||||||||||||||||||||||||||
Sbjct:      11759022 ATTGTATACAATGATGTGTTTAGATAATTAGTTATTTAGCAATAAAATTTGGAATCTCAC 11759081

Query:          433 TTAATCCCAATCATTCGGTTTTTCGCCTTTGGTTCAGTACTCCATGAATTTTATTACATA 492
                    |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      11759082 TTAATCCCAATCATTCAGTTTTTCGCCTTTGGTTCAGTACTCCATGAATTTTATTACATA 11759141

Query:          493 TACACAACAATCAAATTTATGTGAATGGAAACAATGGGCTGTATTAGGAGAACCGGTATA 552
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      11759142 TACACAACAATCAAATTTATGTGAATGGAAACAATGGGCTGTATTAGGAGAACCGGTATA 11759201

Query:          553 CATCTCAATTGAACTTACTAATTAAGGTATTGTTAGGTTTTGAGGGGGATT 603
                    ||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      11759202 CATCTCAATTGAACTTACTAATTAAGGTATTGTTAGGTTTTGAGGGGGATT 11759252
```

HSP 2

Identity= 162/167 (97.01%) , Positive= 162/167 (97.01%) Query Matches 39 to 205 Hit Matches = 11756140 to 11756306

```
Query:           39 GGTCACAAACTCTCGTCACATTTGGTTCTGTGAGATTTCGATTGAAACGGCAAAATCCAA 98
                    |||||||||||||| ||||||||||||||||||||||| ||||||||||||||||||||
Sbjct:      11756140 GGTCACAAACTCTTGTCACATTTGGTTCTGTGAGATTTCAATTGAAACGGCAAAATCCAA 11756199

Query:           99 GGATTAGAAGCAATGTTGATGTTGGAGCCATCCCCAACCTTCCAAATCAGTTCTCTTTTT 158
                    ||||||||||||||| ||||||||||||||| |||||||||||||||||||||||||||||
Sbjct:      11756200 GGATTAGAAGCAATGCTGATGTTGGAGCCATCTCCAACCTTCCAAATCAGTTCTCTTTTT 11756259

Query:          159 CAACAACTTTGCGGCCCTCCAACAAGCTCCTCCATCTCCACGAAGGT 205
                    |||||||||||||||||||||||||||||||||||||||||| ||||||
Sbjct:      11756260 CAACAACTTTGCGGCCCTCCAACAAGCTCCTCCATCTCCATGAAGGT 11756306
```

lncRNA3 against Aradu.A10: 107598427-107605282



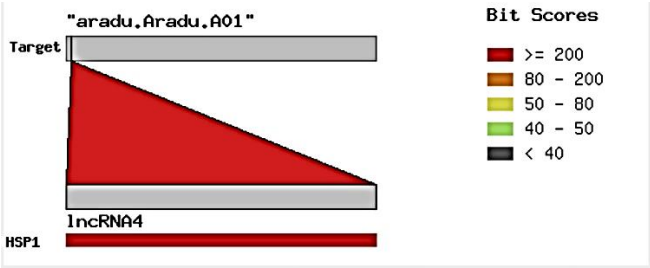
Alignment

HSP 1

Identity= 337/338 (99.7%) , Positive= 337/338 (99.7%) Query Matches 11 to 348 Hit Matches = 107604926 to 107605263

```
Query:          11 CCAGTTGTGTTGTCGAGAATTCGGCTTGAGATCACGAAGAGGGATTAGAAGATGTCTTTG 70
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   107604926 CCAGTTGTGTTGTCGAGAATTCGGCTTGAGATCACGAAGAGGGATTAGAAGATGTCTTTG 107604985

Query:          71 CAATTGGATCTTATTGTCATGATGTCGATGTAGATATAGATTCTCGTTTTGTCTGAGTCA 130
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   107604986 CAATTGGATCTTATTGTCATGATGTCGATGTAGATATAGATTCTCGTTTTGTCTGAGTCA 107605045

Query:         131 ATGATTTCGGATCAAGTCAAAAAGAATTATCTCCTGTCTAAAGAGGTGAAGTCTTTTTTG 190
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   107605046 ATGATTTCGGATCAAGTCAAAAAGAATTATCTCCTGTCTAAAGAGGTGAAGTCTTTTTTG 107605105

Query:         191 ACCTAATTGAAGATCATCAACTCCGACAAAATGTAAGTCTATATCGACCTCAACTTCATG 250
                   |||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   107605106 ACCTAATTGGAGATCATCAACTCCGACAAAATGTAAGTCTATATCGACCTCAACTTCATG 107605165

Query:         251 AGAAGCAAGAAGGAAAGAAACAATTATAAGTGGTTAGAAACCTAAAATGTTTCCAAATTT 310
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   107605166 AGAAGCAAGAAGGAAAGAAACAATTATAAGTGGTTAGAAACCTAAAATGTTTCCAAATTT 107605225

Query:         311 TGTAGTAAATGGAAAGGAATAGAGCAACCTGCATGACA 348
                   |||||||||||||||||||||||||||||||||||||
Sbjct:   107605226 TGTAGTAAATGGAAAGGAATAGAGCAACCTGCATGACA 107605263
```

lncRNA4 against Aradu.A01: 1874505-1875866



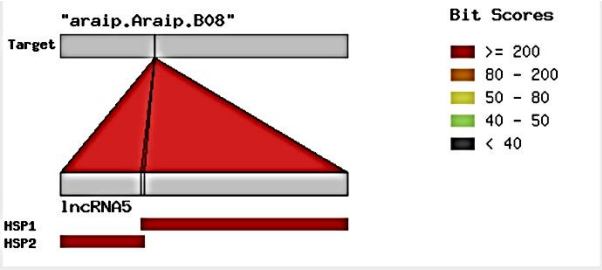
Alignment

HSP 1

Identity= 716/717 (99.86%) , Positive= 716/717 (99.86%) Query Matches 1 to 717 Hit Matches = 1875138 to 1875854

```
Query:         1 TCCCACATGCAAGCTGAGACATTAATTGAGCACCAAAGGTCTTAAACTCTTACTACCAGT 60
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875138 TCCCACATGCAAGCTGAGACATTAATTGAGCACCAAAGGTCTTAAACTCTTACTACCAGT 1875197

Query:        61 TGTTGAATCTGAAGGCAAATGGCAAAGAAACCATTTACCATAGACATCAATACAAATGGC 120
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875198 TGTTGAATCTGAAGGCAAATGGCAAAGAAACCATTTACCATAGACATCAATACAAATGGC 1875257

Query:       121 TAGAAAAAGCAAAGCTCCAAAGGTAAAAAAGGATCCATGCCTCATTAGAATATGAGCAAA 180
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875258 TAGAAAAAGCAAAGCTCCAAAGGTAAAAAAGGATCCATGCCTCATTAGAATATGAGCAAA 1875317

Query:       181 GTGGGTAGTAGGAGGATCCCATTAGAAAAACCCTAATGAGAAAACCTCCATATTTGGTAA 240
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875318 GTGGGTAGTAGGAGGATCCCATTAGAAAAACCCTAATGAGAAAACCTCCATATTTGGTAA 1875377

Query:       241 TTTGATGTTGCACAGCTATGACTCGAAACGCTTCCATTATTCACAGGGAAGGCGATCTTA 300
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875378 TTTGATGTTGCACAGCTATGACTCGAAACGCTTCCATTATTCACAGGGAAGGCGATCTTA 1875437

Query:       301 AGGGCAGTGCTTAGAAATCAGAGAATAAGAACACTTTGCACAAAATTGGACATTCAAATA 360
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875438 AGGGCAGTGCTTAGAAATCAGAGAATAAGAACACTTTGCACAAAATTGGACATTCAAATA 1875497

Query:       361 ACAGAAAATCAAACAAACTTTGGAGTATAGAATTTATCTCACAACGGATTCAAGAACAAT 420
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875498 ACAGAAAATCAAACAAACTTTGGAGTATAGAATTTATCTCACAACGGATTCAAGAACAAT 1875557

Query:       421 GGATTGTAAAAACACATAATAAACGATTTGAGAATCCCTCAGATTATTTTTTTCCTCAAT 480
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875558 GGATTGTAAAAACACATAATAAACGATTTGAGAATCCCTCAGATTATTTTTTTCCTCAAT 1875617

Query:       481 GGAATTCGGTCCACTACTTTAAATATTATAAATTGTCACAGGGAAGCATTAATATGTCAT 540
                 |||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||
Sbjct:   1875618 GGAATTCGGTCCACTACTTTAAATATTATAAATCGTCACAGGGAAGCATTAATATGTCAT 1875677

Query:       541 AAATCTGCATTAGAAATCAACCAAAACTCACCTAATCTTGAATACCAGCCAAAATAACAA 600
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875678 AAATCTGCATTAGAAATCAACCAAAACTCACCTAATCTTGAATACCAGCCAAAATAACAA 1875737

Query:       601 TTTTTAAAAAATAATAATAATAAAGATATAAGAAAGAAATATTAATAAAAAGCATCCAAT 660
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875738 TTTTTAAAAAATAATAATAATAAAGATATAAGAAAGAAATATTAATAAAAAGCATCCAAT 1875797

Query:       661 GAGATGAAAGAAATACTGAACAAACTCTCTTCTTAAGAAATCTCCGAAACCAGCCGC 717
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:   1875798 GAGATGAAAGAAATACTGAACAAACTCTCTTCTTAAGAAATCTCCGAAACCAGCCGC 1875854
```

lncRNA5 against Araip.B08: 42806631-42808445



Alignment

HSP 1

Identity= 694/695 (99.86%) , Positive= 694/695 (99.86%) Query Matches 274 to 968 Hit Matches = 42807350 to 42808044

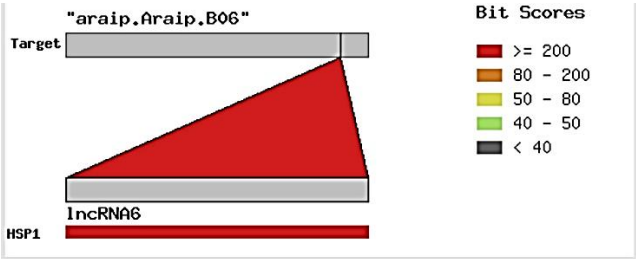
```
Query:          274 CACACAGCAAAATCTCAAATATATTATTATTTCATGAAAAGTGGAGAAGGTAAATAGGGT 333
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807350 CACACAGCAAAATCTCAAATATATTATTATTTCATGAAAAGTGGAGAAGGTAAATAGGGT 42807409

Query:          334 GTTGCTTCAAAGTAACGAATGTTGTGGTAGTTTCACAATCAGAATTGGATTGGCTTGATG 393
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807410 GTTGCTTCAAAGTAACGAATGTTGTGGTAGTTTCACAATCAGAATTGGATTGGCTTGATG 42807469

Query:          394 TTGTTGATAAGCCTAGAGGCAACAGCAATAGTGGGATAACAAATGAAATATTATAAAATT 453
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807470 TTGTTGATAAGCCTAGAGGCAACAGCAATAGTGGGATAACAAATGAAATATTATAAAATT 42807529

Query:          454 GAAACCTCATTGCAATCATGCATGGTTGTCACTTGTCATTGCAACATTGACGTGGTGGTG 513
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807530 GAAACCTCATTGCAATCATGCATGGTTGTCACTTGTCATTGCAACATTGACGTGGTGGTG 42807589

Query:          514 GCTGAGCTAATACAGCTCCTCGGGAACTGAAGGACCTACATTTATCTTAGTGGTATGAAT 573
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807590 GCTGAGCTAATACAGCTCCTCGGGAACTGAAGGACCTACATTTATCTTAGTGGTATGAAT 42807649

Query:          574 GCATACACTTGATTACCCCTTCATCATCATTCATCACACCCCTCAACTCGTGAAAATAAA 633
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807650 GCATACACTTGATTACCCCTTCATCATCATTCATCACACCCCTCAACTCGTGAAAATAAA 42807709

Query:          634 GTTACAAAATCCTAAATTGCTCCATATTTATTTATTTTAATTTCTCATTTTTCTTTATTA 693
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807710 GTTACAAAATCCTAAATTGCTCCATATTTATTTATTTTAATTTCTCATTTTTCTTTATTA 42807769

Query:          694 GATTCTTAGCTTTTAAATTTACAAACTGTGAGATAGATCAATTTTTGTTTCTAACCTGTA 753
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807770 GATTCTTAGCTTTTAAATTTACAAACTGTGAGATAGATCAATTTTTGTTTCTAACCTGTA 42807829

Query:          754 AAAGTATGAAATAATAAGGACTAACATATGCTCTTTGTAAATTTAGAAAATAATCTAGAT 813
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807830 AAAGTATGAAATAATAAGGACTAACATATGCTCTTTGTAAATTTAGAAAATAATCTAGAT 42807889

Query:          814 CATTTATAAATTTTGGAACTAATTAAGGGATAAATAAAGACTAAAAACTGAATTGTTCAC 873
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807890 CATTTATAAATTTTGGAACTAATTAAGGGATAAATAAAGACTAAAAACTGAATTGTTCAC 42807949

Query:          874 TCAACAAAAAAAAAAAAAAGTCTGAAGACCAATTTGAAATTTTTCTACAAGAGTTATTCTC 933
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42807950 TCAACAAAAAAAAAAAAAGTCTGAAGACCAATTTGAAATTTTTCTACAAGAGTTATTCTC 42808009

Query:          934 AATTTATAAATTTAAGTACCGATAAATTCAACTGC 968
                    ||||||||||||||||||||| ||||||||||||
Sbjct:      42808010 AATTTATAAATTTAAGTACCGAAAAATTCAACTGC 42808044
```

HSP 2

Identity= 283/284 (99.65%) , Positive= 283/284 (99.65%) Query Matches 1 to 284 Hit Matches = 42806712 to 42806995

```
Query:            1 TCATCACCTCTCCAACTGACCTCTATTCTACTCTTAATCTTTCACCTCATTGTTGCACTT 60
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42806712 TCATCACCTCTCCAACTGACCTCTATTCTACTCTTAATCTTTCACCTCATTGTTGCACTT 42806771

Query:           61 ACTCCCACTAAATCAAATAAAATACTGAGAGTTAATTTAATTTTGATTTTTCATTTTTG 120
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42806772 ACTCCCACTAAATCAAATAAAATACTGAGAGTTAATTTAATTTTGATTTTTCATTTTTG 42806831

Query:          121 TCTCTTAATAATTTCTGCTTCTCAGTTTCTATTTTTTTTAAAATATTATAAAATGCAAAA 180
                    |||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Sbjct:      42806832 TCTCTTAATAATTTCTGCTTCTCAGTTTCTATTTTTTTTAAAATATTATAAAATACAAAA 42806891

Query:          181 TAACTAAATCCTAATAATTATTAAAATTTAGCTAATCTGTGTCTTTTTTATGTAAATTTT 240
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42806892 TAACTAAATCCTAATAATTATTAAAATTTAGCTAATCTGTGTCTTTTTTATGTAAATTTT 42806951

Query:          241 CGTAATTAACAACATTAATATGTATTCTGAAGGCACACAGCAAA 284
                    |||||||||||||||||||||||||||||||||||||||||||
Sbjct:      42806952 CGTAATTAACAACATTAATATGTATTCTGAAGGCACACAGCAAA 42806995
```

lncRNA6 against Araip.B06: 125052207-125052834



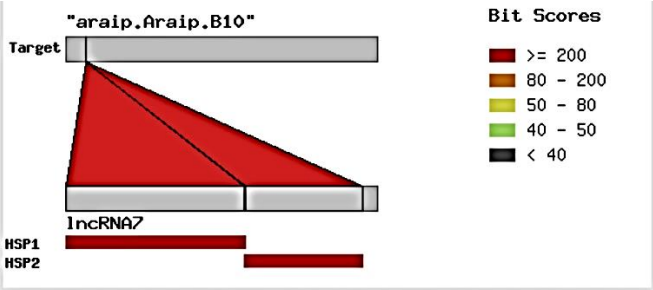
Alignment

HSP 1

Identity= 416/417 (99.76%) , Positive= 416/417 (99.76%) Query Matches 1 to 417 Hit Matches = 125052246 to 125052662

```
Query:             1 ATTCTCAACAATGATAGTAGTACATCATAAGTTAATTAATCTAAGTTTCAAAAAATTCCA 60
                     ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     125052246 ATTCTCAACAATGATAGTAGTACATCATAAGTTAATTAATCTAAGTTTCAAAAAATTCCA 125052305

Query:            61 GAACATGGCATCAATTTTGAAGAAAAGATTCCATTTCACTCACCTTGAGATGAACAAAGA 120
                     ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     125052306 GAACATGGCATCAATTTTGAAGAAAAGATTCCATTTCACTCACCTTGAGATGAACAAAGA 125052365

Query:           121 TGCATCCACACTGCTGCTTTTTTTTTTTCCCCATTTGATTCACACATTACAGATTCACTT 180
                     ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     125052366 TGCATCCACACTGCTGCTTTTTTTTTTTCCCCATTTGATTCACACATTACAGATTCACTT 125052425

Query:           181 TGTTCTCCTTCAGTTCAATCAAAACTACACATCAGCTTCATCATTTTGATTTAAAATGTC 240
                     |||||||||||||||||||||||||||||||||||||||||||||||| ||||||||
Sbjct:     125052426 TGTTCTCCTTCAGTTCAATCAAAACTACACATCAGCTTCATCATTTTGATTCAAAATGTC 125052485

Query:           241 AGCAACGGATAATCTTCTTTGATCCAAATTATTAGCACTTTCAACGTTGGGCCATTTTAC 300
                     ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     125052486 AGCAACGGATAATCTTCTTTGATCCAAATTATTAGCACTTTCAACGTTGGGCCATTTTAC 125052545

Query:           301 CTGGACTTGACTACCAAAATCAACCACAACTTGCTGATGCTGTGAACTCTGAACAATTAT 360
                     ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     125052546 CTGGACTTGACTACCAAAATCAACCACAACTTGCTGATGCTGTGAACTCTGAACAATTAT 125052605

Query:           361 TGCAACAACATCATCACTCCTCTGCTGATATTCCAAGGAATTGACACTGACAGTTGC 417
                     |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     125052606 TGCAACAACATCATCACTCCTCTGCTGATATTCCAAGGAATTGACACTGACAGTTGC 125052662
```

lncRNA7 against Araip.B10: 9092728-9099715



The image above shows the relationship between query and target for this particular BLAST hit.

Alignment

HSP 1

Identity= 515/520 (99.04%) , Positive= 515/520 (99.04%) Query Matches 1 to 518 Hit Matches = 9092895 to 9093414

```
Query:           1 AACTACGAG-AACCGAAACCATACCATGGTCGATTCCTCCCCAATGTCAAAGCA-CTTAC 58
                   ||||||||| |||||||||||||||||||||||||||||||||||||||||| || ||
Sbjct:     9092895 AACTACGAGAAACCGAAACCATACCATGGTCGATTCCTCCCCAATGTCAAAGCACCTAAC 9092954

Query:          59 ATCAAGCTTCCAGGACTCCAAATCAATTCCAACAAGCTCTAATTTGCCAATTCAACACCG 118
                   |||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9092955 ATCAAGCTTCCAAGACTCCAAATCAATTCCAACAAGCTCTAATTTGCCAATTCAACACCG 9093014

Query:         119 AATTCAACACAATTCAATCTATTTTCATGAAATTCACCAAATTAACTAGGGTTCACATAA 178
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9093015 AATTCAACACAATTCAATCTATTTTCATGAAATTCACCAAATTAACTAGGGTTCACATAA 9093074

Query:         179 TTGAATAACCGCTAGGGTTTAGAGTTTCCTTACCTTACCCGCAGATTAATTAGACAAACC 238
                   |||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9093075 TTGAATAACCGCAAGGGTTTAGAGTTTCCTTACCTTACCCGCAGATTAATTAGACAAACC 9093134

Query:         239 CTTATACTTATCCACCACTAGAGTACCCTTAAACCATCAAAATTACAAAATCTCTCAATA 298
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9093135 CTTATACTTATCCACCACTAGAGTACCCTTAAACCATCAAAATTACAAAATCTCTCAATA 9093194

Query:         299 CCAAGAATTCAAATCACGAAACTGAAAAGGAAAGAAATGGACACAAAATCAGAATTTCTT 358
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9093195 CCAAGAATTCAAATCACGAAACTGAAAAGGAAAGAAATGGACACAAAATCAGAATTTCTT 9093254

Query:         359 TACCAAATTGTTGAGTGTGTTTTATAGAGAATTCCGAGACGAACACGTGACTGTTGACGG 418
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9093255 TACCAAATTGTTGAGTGTGTTTTATAGAGAATTCCGAGACGAACACGTGACTGTTGACGG 9093314

Query:         419 CTCCTCAATTGGAGGGCTATAAGGATGATTTGGACTTGGAAACTGGGTGATCGTTAGATT 478
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9093315 CTCCTCAATTGGAGGGCTATAAGGATGATTTGGACTTGGAAACTGGGTGATCGTTAGATT 9093374

Query:         479 GTTGAGGCTCCAAATACTAGATCCAGAACAATATATATCC 518
                   ||||||||||||||||||||||||||||||||||||||
Sbjct:     9093375 GTTGAGGCTCCAAATACTAGATCCAGAACAATATATATCC 9093414
```

HSP 2

Identity= 341/342 (99.71%) , Positive= 341/342 (99.71%) Query Matches 517 to 858 Hit Matches = 9098042 to 9098383

```
Query:         517 CCCATAATTCTTAGCGAAGACTGAAATCACACTTGCTGAAAGCTGTGCTTTGATCACCAA 576
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9098042 CCCATAATTCTTAGCGAAGACTGAAATCACACTTGCTGAAAGCTGTGCTTTGATCACCAA 9098101

Query:         577 CCTTAAAACACAAATGCCAAGAAGTAACATGTTGCAGTAGTAGTGATAAAGCTATACCAA 636
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9098102 CCTTAAAACACAAATGCCAAGAAGTAACATGTTGCAGTAGTAGTGATAAAGCTATACCAA 9098161

Query:         637 ATATGATTAAAACAGTGGTTAGCCCAACATATATAAACAAGTTCAACAAATGATGCACAA 696
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9098162 ATATGATTAAAACAGTGGTTAGCCCAACATATATAAACAAGTTCAACAAATGATGCACAA 9098221

Query:         697 TAATATTTCCATTTTGCAAAGCCCTAATTATAAATCAGTAAATTCACATCGCAACTACAG 756
                   ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:     9098222 TAATATTTCCATTTTGCAAAGCCCTAATTATAAATCAGTAAATTCACATCGCAACTACAG 9098281

Query:         757 CATTTTAAAAATATAAACGGATCCTTTGGCAATCAATAATACCAAAAATACTTTTTGCGT 816
                   |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Sbjct:     9098282 CATTTTAAAAATATAAACAGATCCTTTGGCAATCAATAATACCAAAAATACTTTTTGCGT 9098341

Query:         817 TGTTTGCCTAATGGCACAAGAGTAGTAGATTCCACTTCCACC 858
                   |||||||||||||||||||||||||||||||||||||||
Sbjct:     9098342 TGTTTGCCTAATGGCACAAGAGTAGTAGATTCCACTTCCACC 9098383
```