

>osa-miR395h MIMAT0000963 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAACTC 21
|||:|:**|*|||:|:||||*
Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR156b-5p MIMAT0000619 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156b-5p MIMAT0000619 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156b-5p MIMAT0000619 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156b-5p MIMAT0000619 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156b-5p MIMAT0000619 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156b-5p MIMAT0000619 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156b-5p MIMAT0000619 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
||*|||*|**|||*|*
Sbjct: 398 ACCGTCTCCTCTTTCACCTCCTT 376

>osa-miR156b-5p MIMAT0000619 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
|||*||**|||:|*
Sbjct: 1646 ACTGTCTTACTCT TCATTTGTT 1624

>osa-miR395p MIMAT0003873 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTC 21
|||:|*|*||:|*
Sbjct: 1232 CACTTTATAGTACACCTCTTGAT 1209

>osa-miR395y MIMAT0014125 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTC 21
|||:|*|*||:|*
Sbjct: 1232 CACTTTATAGTACACCTCTTGAT 1209

>osa-miR169r-5p MIMAT0026762 Score: 4.0 TCONS_00086804 gene=XLOC_049024

Query: 1 TAGCCAAGG-AT--GATTGCCTG 21
||:||||*|**||||*|*
Sbjct: 5288 ATTGGTTCTATATCCTAAACGAGC 5265

>osa-miR169r-5p MIMAT0026762 Score: 4.5 TCONS_00087224 gene=XLOC_049308

Query: 1 TAGCCAAGG-AT--GATTGCCTG 21
:||||*|*|**||||*|*|*
Sbjct: 5288 ATTGGTTCTATATCCTAAACGAGC 5265

Sbjct: 690 GTCGGTTACATATCCTAACCGGAT 667

>osa-miR169r-5p MIMAT0026762 Score: 4.5 TCONS_00087226 gene=XLOC_049308

Query: 1 TAGCCAAGG-AT--GATTGCCTG 21
:|||||*|*|**||||*||||:

Sbjct: 690 GTCGGTTACATATCCTAACCGGAT 667

>osa-miR169r-5p MIMAT0026762 Score: 4.5 TCONS_00087227 gene=XLOC_049308

Query: 1 TAGCCAAGG-AT--GATTGCCTG 21
:|||||*|*|**||||*||||:

Sbjct: 704 GTCGGTTACATATCCTAACCGGAT 681

>osa-miR156h-3p MIMAT0031157 Score: 4.5 TCONS_00098451 gene=XLOC_055866

Query: 1 GCTCACTTCT--C-TTCTGTCAGC 22
||*||||||**|*||||||**

Sbjct: 758 CGTGTGAAGAGTGTAAGACAGTGA 734

>osa-miR156g-5p MIMAT0000624 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|||||||

Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156g-5p MIMAT0000624 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|||||||

Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156g-5p MIMAT0000624 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|||||||

Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156g-5p MIMAT0000624 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156g-5p MIMAT0000624 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156g-5p MIMAT0000624 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156g-5p MIMAT0000624 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
|| * | | | | | | * | | ** | | | | | | * | *
Sbjct: 398 ACCGTCTTCCTCTTTCACCTCCTT 376

>osa-miR156g-5p MIMAT0000624 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
||| | | | | | | | ** | | ** | | | | : : | | *
Sbjct: 1646 ACTGTCTTACTCT TCATTTGTT 1624

>osa-miR159d MIMAT0001025 Score: 4.5 TCONS_00043583 gene=XLOC_024724

Query: 1 ATTGGATTG-A--AGGGAGCTCCG 21
| : | | | | | | | * | ** | | : | | * | | * | |
Sbjct: 700 TGACCTAACCTCCTCTCTGGAAGC 677

>osa-miR159d MIMAT0001025 Score: 4.5 TCONS_00043584 gene=XLOC_024724

Query: 1 ATTGGATTG-A--AGGGAGCTCCG 21
|:|||||||*||*||*||*||
Sbjct: 700 TGACCTAACCTCCTCTCTGGAAGC 677

>osa-miR159d MIMAT0001025 Score: 4.5 TCONS_00043585 gene=XLOC_024724

Query: 1 ATTGGATTG-A--AGGGAGCTCCG 21
|:|||||||*||*||*||*||
Sbjct: 700 TGACCTAACCTCCTCTCTGGAAGC 677

>osa-miR159d MIMAT0001025 Score: 4.5 TCONS_00043586 gene=XLOC_024724

Query: 1 ATTGGATTG-A--AGGGAGCTCCG 21
|:|||||||*||*||*||*||
Sbjct: 827 TGACCTAACCTCCTCTCTGGAAGC 804

>osa-miR160a-5p MIMAT0000628 Score: 3.5 TCONS_00111350 gene=XLOC_063639

Query: 1 TGCCTGGCT---CCCTGTATGCCA 21
|||||||*||*||*||*||*
Sbjct: 532 ACGGACCGAAAGGGAACATACGGC 509

>osa-miR166c-5p MIMAT0022857 Score: 4.5 TCONS_00072868 gene=XLOC_040881

Query: 1 GGAATGTTG-T--CTGGTCCGAG 20
|:|||||||*||*||*||*||:
Sbjct: 2966 CTTTACAACAATCGACCACGGTT 2944

>osa-miR166c-5p MIMAT0022857 Score: 4.5 TCONS_00072869 gene=XLOC_040881

Query: 1 GGAATGTTG-T--CTGGTCCGAG 20
|:|||||||*||*||*||*||:
Sbjct: 3719 CTTTACAACAATCGACCACGGTT 3697

>osa-miR166c-5p MIMAT0022857 Score: 4.5 TCONS_00102306 gene=XLOC_058088

Query: 1 GGAATGTTGT--C-TGGTCCGAG 20

|||||||::**|*|||*|:|:
Sbjct: 452 CCTTACAGTACTGTACCACGTTT 430

>osa-miR1561-5p MIMAT0001021 Score: 4.5 TCONS_00043170 gene=XLOC_024537

Query: 1 CGACAGAAG--A-GAGTGAGCATA 21
*|||||||:**|*|||||||:|*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR1561-5p MIMAT0001021 Score: 4.5 TCONS_00043171 gene=XLOC_024537

Query: 1 CGACAGAAG--A-GAGTGAGCATA 21
*|||||||:**|*|||||||:|*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR1561-5p MIMAT0001021 Score: 4.5 TCONS_00043172 gene=XLOC_024537

Query: 1 CGACAGAAG--A-GAGTGAGCATA 21
*|||||||:**|*|||||||:|*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR1561-5p MIMAT0001021 Score: 4.5 TCONS_00043174 gene=XLOC_024537

Query: 1 CGACAGAAG--A-GAGTGAGCATA 21
*|||||||:**|*|||||||:|*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR1561-5p MIMAT0001021 Score: 4.5 TCONS_00043175 gene=XLOC_024537

Query: 1 CGACAGAAG--A-GAGTGAGCATA 21
*|||||||:**|*|||||||:|*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR1561-5p MIMAT0001021 Score: 4.5 TCONS_00043176 gene=XLOC_024537

Query: 1 CGACAGAAG--A-GAGTGAGCATA 21
*|||||||:**|*|||||||:|*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR166g-3p MIMAT0001072 Score: 3.5 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCATTCTC 21
|||:***|||*|||:|
Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR156f-3p MIMAT0022847 Score: 4.5 TCONS_00098451 gene=XLOC_055866

Query: 1 GCTCACTTCT--C-TTTCTGTCAGC 22
||*|||**|*|||**
Sbjct: 758 CGTGTGAAGAGTGTAAGACAGTGA 734

>osa-miR395q MIMAT0003874 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGAACTC 21
|||:|**|*|||:|*
Sbjct: 1232 CACTTTATAGTACACCTTTGAT 1209

>osa-miR167d-3p MIMAT0022872 Score: 4.5 TCONS_00026523 gene=XLOC_014915

Query: 1 GATCATGCT--G-TGCAGTTTCATC 22
*|||**|*|||*|
Sbjct: 901 GTAGTACGAGACAAGGTCAAAGTTG 877

>osa-miR156j-5p MIMAT0000627 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156j-5p MIMAT0000627 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156j-5p MIMAT0000627 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156j-5p MIMAT0000627 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156j-5p MIMAT0000627 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156j-5p MIMAT0000627 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156j-5p MIMAT0000627 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
| | * | | | | | | * | ** | | | | | | * | *
Sbjct: 398 ACCGTCTTCCTCTTTCACCTCCTT 376

>osa-miR156j-5p MIMAT0000627 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
| | | | | | | | ** | ** | | | : | : | *
Sbjct: 1646 ACTGTCTTACTCT TCATTTGTT 1624

>osa-miR395e MIMAT0000961 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTC 21
| | | | | : | : ** | * | | | : | : | | | *
Sbjct: 1646 ACTGTCTTACTCT TCATTTGTT 1624

Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR160c-5p MIMAT0000630 Score: 3.5 TCONS_00111350 gene=XLOC_063639

Query: 1 TGCCTGGCT---CCCTGTATGCCA 21

|||||||***|*|||||||*

Sbjct: 532 ACGGACCGAAAGGGAACATACGGC 509

>osa-miR395m MIMAT0003870 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTC 21

|||||:|:***|*|||:|:||||*

Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR319a-5p MIMAT0020914 Score: 4.5 TCONS_00022704 gene=XLOC_012605

Query: 1 AGCTGCCGAA-T--CATCCATTCA 21

|||:|||:***|*|||*|||*|||*

Sbjct: 2333 TCGGCGGTGTGATGGTAGTAAGA 2310

>osa-miR166k-3p MIMAT0001037 Score: 4.5 TCONS_00011308 gene=XLOC_006054

Query: 1 TCGGACCAG---GCTTCAATCCCT 21

|||||||***||:|||||*||:

Sbjct: 462 AGCCTGGTACTGCGGAGTTAAGGG 439

>osa-miR166k-3p MIMAT0001037 Score: 4.5 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCAATCCCT 21

|||||||:***|||*|||*|||:

Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR156l-3p MIMAT0022866 Score: 4.5 TCONS_00098451 gene=XLOC_055866

Query: 1 GCTCACTTCT--C-TTTCTGTCAGC 22

||*||||||**|*|||||||**

Sbjct: 758 CGTGTGAAGAGTGTAAGACAGTGA 734

>osa-miR166d-3p MIMAT0000638 Score: 3.0 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCATCCCC 21
|||:***|||*|||
Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR156e MIMAT0000622 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156e MIMAT0000622 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156e MIMAT0000622 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156e MIMAT0000622 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156e MIMAT0000622 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156e MIMAT0000622 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156e MIMAT0000622 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
||*|||||*|**|||||**
Sbjct: 398 ACCGTCTTCCTCTTTCACCTCCTT 376

>osa-miR156e MIMAT0000622 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
|||||||**|**||:|*
Sbjct: 1646 ACTGTCTTACTCT TCATTGT 1624

>osa-miR156d MIMAT0000621 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156d MIMAT0000621 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156d MIMAT0000621 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|||||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156d MIMAT0000621 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20

|||||||:**|*|
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156d MIMAT0000621 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156d MIMAT0000621 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156d MIMAT0000621 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
||*|||||*|**|||||*|*
Sbjct: 398 ACCGTCTTCCTCTTTCACCTCCTT 376

>osa-miR156d MIMAT0000621 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
|||||||**||**|||:|:|*
Sbjct: 1646 ACTGTCTTACTCT TCATTGTGTT 1624

>osa-miR529a MIMAT0002885 Score: 4.5 TCONS_00007478 gene=XLOC_003882

Query: 1 CTGTACCCT-CT--CTCTTCTTC 20
|||||**|:*|**|||||:|
Sbjct: 738 GACATTCGGTGAGTGAGAAGGAG 716

>osa-miR529a MIMAT0002885 Score: 4.5 TCONS_00030527 gene=XLOC_017512

Query: 1 CTGTACCCT---CTCTTCTTC 20
|||*|*|***|
Sbjct: 249 GACTTTGGTGGTGAGAGAAGAAG 227

>osa-miR529a MIMAT0002885 Score: 4.5 TCONS_00039632 gene=XLOC_022908

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Query:      1 CTGTACCCT-C-T-CTCTTCTTC 20
              |:|*||*||*||*|||
Sbjct:      668 GCGCGGAAGGAAGGAGAAGAAG 646
```

>osa-miR529a MIMAT0002885 Score: 3.5 TCONS_00056638 gene=XLOC_031432

```
Query:      1 CTGTACCCT-C-T-CTCTTCTTC 20
              ||:|*||*||*||*|||
Sbjct:      337 GATATTGGAAGAAGGAGGAGAAG 315
```

>osa-miR529a MIMAT0002885 Score: 4.5 TCONS_00056928 gene=XLOC_031563

```
Query:      1 CTGTACCCT-CT--CTCTTCTTC 20
              ||*||*||*||*||*|||:|
Sbjct:      27 GAGAGGGGAAGAGGGAGAGGGAG 5
```

>osa-miR408-5p MIMAT0022884 Score: 4.5 TCONS_00086475 gene=XLOC_048799

```
Query:      1 CAGGGATGA-G--GCAGAGCATGG 21
              *|||*||*||*||*||*||
Sbjct:      790 ATCCCTACT CGACGTCTAGTAAC 767
```

>osa-miR2118c MIMAT0011742 Score: 4.5 TCONS_00044208 gene=XLOC_025107

```
Query:      1 TTCCCGATG-CC--TCCTATTCCTA 22
              |||*|:|*||*||*|||:|
Sbjct:      1124 AAGTGTTAGAGGATAGGATAAGGGT 1100
```

>osa-miR164a MIMAT0000633 Score: 4.5 TCONS_00100980 gene=XLOC_057427

```
Query:      1 TGGAGAAGC-A-G-GGCACGTGCA 21
              |||:|*||*||*||*||:|
Sbjct:      732 ACCTTTTCGTTGCGTCGTGTGC T 709
```

>osa-miR166m MIMAT0001087 Score: 3.5 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCATTCCCT 21
|||*|||:***|||*|||:
Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00010253 gene=XLOC_005464

Query: 1 TGGAAGGGGC-A--TGCAGAGGAG 21
:|*|||:|*||*||*|||:
Sbjct: 256 GCCGTCCTCGTTGAACGACTCCTC 233

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00010254 gene=XLOC_005464

Query: 1 TGGAAGGGGC-A--TGCAGAGGAG 21
:|*|||:|*||*||*|||:
Sbjct: 542 GCCGTCCTCGTTGAACGACTCCTC 519

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00010255 gene=XLOC_005464

Query: 1 TGGAAGGGGC-A--TGCAGAGGAG 21
:|*|||:|*||*||*|||:
Sbjct: 542 GCCGTCCTCGTTGAACGACTCCTC 519

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00004039 gene=XLOC_002180

Query: 1 TGGAAGGGGC--A-TGCAGAGGAG 21
|||*|||**||*||*|||:
Sbjct: 354 ACCTCCCCGCTTGACCTCGCCTC 331

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00045558 gene=XLOC_025866

Query: 1 TGGAAGGGG---CATGCAGAGGAG 21
|*:|||:***|||*|||:
Sbjct: 1453 AATTCCTCAGAGTACGTCTACTC 1430

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00054114 gene=XLOC_030298

Query: 1 TGAAGGGGC-A--TGCAGAGGAG 21
: ||*|||: ||**|||*|||
Sbjct: 484 GCCGTCCTCGCTGAACGACTCCTC 461

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00054115 gene=XLOC_030298

Query: 1 TGAAGGGGC-A--TGCAGAGGAG 21
: ||*|||: ||**|||*|||
Sbjct: 484 GCCGTCCTCGCTGAACGACTCCTC 461

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00054116 gene=XLOC_030298

Query: 1 TGAAGGGGC-A--TGCAGAGGAG 21
: ||*|||: ||**|||*|||
Sbjct: 484 GCCGTCCTCGCTGAACGACTCCTC 461

>osa-miR528-5p MIMAT0002884 Score: 4.5 TCONS_00054117 gene=XLOC_030298

Query: 1 TGAAGGGGC-A--TGCAGAGGAG 21
: ||*|||: ||**|||*|||
Sbjct: 484 GCCGTCCTCGCTGAACGACTCCTC 461

>osa-miR395o MIMAT0003872 Score: 4.5 TCONS_00045975 gene=XLOC_026103

Query: 1 ATGAAGTGT-TT--GGAGGAACTC 21
|||*|||*|***: |||||: |
Sbjct: 1099 TACTACACATAATGGTTCCTTGGG 1076

>osa-miR395g MIMAT0000962 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAACTC 21
||| |: |**|*|||: |: |||*
Sbjct: 1232 CACTTTATAGTACACCTTTGAT 1209

>osa-miR164d MIMAT0001034 Score: 4.5 TCONS_00013342 gene=XLOC_007028

Query: 1 TGGAGAAGC--A-GGGCACGTGCT 21
: |: |: |||**|*|: |: |||: |*|

Sbjct: 1194 ATCTTTTCGTATGCTCGTGTAGGA 1171

>osa-miR395r MIMAT0003878 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTC 21

|||||:|:*|*|||:|*|||*

Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR399k MIMAT0000994 Score: 4.5 TCONS_00038693 gene=XLOC_022332

Query: 1 TGCCAAAGG--A-AATTTGCCCCG 21

|||||||:|:*|*|||||*|||*

Sbjct: 1545 ACGGTTTTTTTTATTAAACAGGGG 1522

>osa-miR399k MIMAT0000994 Score: 4.5 TCONS_00038694 gene=XLOC_022332

Query: 1 TGCCAAAGG--A-AATTTGCCCCG 21

|||||||:|:*|*|||||*|||*

Sbjct: 1943 ACGGTTTTTTTTATTAAACAGGGG 1920

>osa-miR399k MIMAT0000994 Score: 4.5 TCONS_00038695 gene=XLOC_022332

Query: 1 TGCCAAAGG--A-AATTTGCCCCG 21

|||||||:|:*|*|||||*|||*

Sbjct: 1940 ACGGTTTTTTTTATTAAACAGGG 1917

>osa-miR395i MIMAT0000964 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTC 21

|||||:|:*|*|||:|*|||*

Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR395v MIMAT0003876 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTAT--T-TGGCGGAAGTC 21

|||||:||*|*|||*|:||||*

Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR444a-3p.1 MIMAT0001617 Score: 4.0 TCONS_00021500 gene=XLOC_011874

Query: 1 TTGCTGCCT--CA-AGCTTGCTGC 21
 |||||||**||*||*|||:|*|
Sbjct: 538 AACGACGGAGGGTGTCCAACGGGG 515

>osa-miR529b MIMAT0005015 Score: 4.5 TCONS_00098778 gene=XLOC_056041

Query: 1 AGAAGAGAG-A--GAGTACAGCTT 21
 |||:||||||*|||:|*|||
Sbjct: 67 CCTTTTCTCCTCCCTCGAGTCGAA 44

>osa-miR1661-5p MIMAT0022871 Score: 4.0 TCONS_00044881 gene=XLOC_025454

Query: 1 GGATTGTTG--TC-TGGTTCAAGG 21
 |||||:|**||*||*|||*||
Sbjct: 137 CCTAACGACTGAGTACAAAGTCCC 114

>osa-miR1661-5p MIMAT0022871 Score: 4.5 TCONS_00088748 gene=XLOC_050158

Query: 1 GGATTGTTG-T--CTGGTTCAAGG 21
 ||||:||||*:*|||*||*||
Sbjct: 120 CCTAGCAACTGTTGACCAAGCTAC 97

>osa-miR395k MIMAT0000966 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAACTC 21
 ||||:|:|**|*|||:|:||||*
Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR395d MIMAT0000960 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAACTC 21
 ||||:|:|**|*|||:|:||||*
Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR2118q MIMAT0011756 Score: 4.5 TCONS_00044208 gene=XLOC_025107

Query: 1 TTCCCGATG--CC--TCCTATTCCTA 22
|||*|:|**|**|||||||:|
Sbjct: 1124 AAGTGTTAGAGGATAGGATAAGGGT 1100

>osa-miR171h MIMAT0001077 Score: 4.5 TCONS_00015380 gene=XLOC_008313

Query: 1 GTGAGCCGA---ACCAATATCACT 21
|||||*|***|*|||*|||||
Sbjct: 422 CACTCGCCTTCCTGTTTAGAGTGA 399

>osa-miR171h MIMAT0001077 Score: 4.5 TCONS_00015381 gene=XLOC_008313

Query: 1 GTGAGCCGA---ACCAATATCACT 21
|||||*|***|*|||*|||||
Sbjct: 116 CACTCGCCTTCCTGTTTAGAGTGA 93

>osa-miR156k MIMAT0001020 Score: 4.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGAGAGCACA 21
|||||||:**|*|||*|||||*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR156k MIMAT0001020 Score: 4.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGAGAGCACA 21
|||||||:**|*|||*|||||*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR156k MIMAT0001020 Score: 4.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGAGAGCACA 21
|||||||:**|*|||*|||||*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR156k MIMAT0001020 Score: 4.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGAGAGCACA 21

|||||||:**|*|||*|||||*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR156k MIMAT0001020 Score: 4.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGAGAGCACA 21
|||||||:**|*|||*|||||*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR156k MIMAT0001020 Score: 4.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGAGAGCACA 21
|||||||:**|*|||*|||||*
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTGC 696

>osa-miR156k MIMAT0001020 Score: 4.5 TCONS_00068931 gene=XLOC_038677

Query: 1 TGACAGAAGA---GAGAGAGCACA 21
|||*|||||***|||||**||
Sbjct: 287 ACT TCTTCTAGCCTCTCTCCCGT 264

>osa-miR395j MIMAT0000965 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTCT 21
|||||:|:**|*|||:|:||||*
Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR160e-5p MIMAT0001030 Score: 2.5 TCONS_00111350 gene=XLOC_063639

Query: 1 TGCCTGGCT---CCCTGTATGCCG 21
|||||||***||*|||||||
Sbjct: 532 ACGGACCGAAAGGGAACATACGGC 509

>osa-miR171e-3p MIMAT0001066 Score: 4.5 TCONS_00068198 gene=XLOC_038327

Query: 1 TGATTGAGCC---GTGCCAATATC 21
|||||||*|***|||*|:|:
Sbjct: 201 ACTAACTCTGTTTCACGGGTGTGG 178

>osa-miR171e-3p MIMAT0001066 Score: 4.5 TCONS_00098418 gene=XLOC_055846

```
Query:          1 TGATTGAGCCG---TGCCAATATC 21
                ||*|||:|****|||:|
Sbjct:          560 ACGAACTGACTAAACGGTTGTAG 537
```

>osa-miR166h-3p MIMAT0001073 Score: 3.5 TCONS_00068571 gene=XLOC_038526

```
Query:          1 TCGGACCAG---GCTTCATTCTC 21
                |||:|*||*||*|||:|
Sbjct:          839 AGCCTGGTTAAGCGAACTAAGGGG 816
```

>osa-miR164f MIMAT0001089 Score: 4.5 TCONS_00100980 gene=XLOC_057427

```
Query:          1 TGGAGAAGC-A-G-GGCACGTGCA 21
                |||:|*||*||*|||:|*|
Sbjct:          732 ACCTTTTCGTTGCGTCGTGTGC T 709
```

>osa-miR156f-5p MIMAT0000623 Score: 2.0 TCONS_00043170 gene=XLOC_024537

```
Query:          1 TGACAGAAG--A-GAGTGAGCAC 20
                |||:|*||*|||
Sbjct:          719 ACTGTCTTT CTCCTCACTCGTG 697
```

>osa-miR156f-5p MIMAT0000623 Score: 2.0 TCONS_00043171 gene=XLOC_024537

```
Query:          1 TGACAGAAG--A-GAGTGAGCAC 20
                |||:|*||*|||
Sbjct:          719 ACTGTCTTT CTCCTCACTCGTG 697
```

>osa-miR156f-5p MIMAT0000623 Score: 2.0 TCONS_00043172 gene=XLOC_024537

```
Query:          1 TGACAGAAG--A-GAGTGAGCAC 20
                |||:|*||*|||
Sbjct:          719 ACTGTCTTT CTCCTCACTCGTG 697
```

>osa-miR156f-5p MIMAT0000623 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156f-5p MIMAT0000623 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156f-5p MIMAT0000623 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*|
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156f-5p MIMAT0000623 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
||*|||*|**|||*|*
Sbjct: 398 ACCGTCTCCTCTTCACTCCTT 376

>osa-miR156f-5p MIMAT0000623 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
|||||||**||**||:|:|*
Sbjct: 1646 ACTGTCTTACTCT TCATTTGTT 1624

>osa-miR160f-5p MIMAT0001031 Score: 4.5 TCONS_00111350 gene=XLOC_063639

Query: 1 TGCCTGGCT---CCCTGAATGCCA 21
|||||||***|*|*|*|*
Sbjct: 532 ACGGACCGAAAGGGAACATACGGC 509

>osa-miR444d.1 MIMAT0005974 Score: 4.0 TCONS_00021500 gene=XLOC_011874

Query: 1 TTGCTGCCT--CA-AGCTTGCTGC 21
|||*||*||*|||:|
Sbjct: 538 AACGACGGAGGGTGTCCAACGGGG 515

>osa-miR166f MIMAT0000640 Score: 3.0 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCATTCCCC 21
|||*||*||*|||
Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR319a-3p MIMAT0020915 Score: 3.5 TCONS_00066648 gene=XLOC_037329

Query: 1 ACTGGATGA---CGCGGGAGCTAA 21
|||*||*||*|||
Sbjct: 2113 TGACCTACTTAATCGACCTCGATT 2090

>osa-miR395l MIMAT0000967 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAACTC 21
|||:|:|*||*|||:|:|*
Sbjct: 1232 CACTTTATAGTACACCTTTGAT 1209

>osa-miR827 MIMAT0009981 Score: 4.5 TCONS_00069356 gene=XLOC_038879

Query: 1 TTAGATGAC-C--ATCAGCAAACA 21
|:|:|*||*||*||*||*
Sbjct: 1794 AGTTTACTGTGTATAGTCG TTAT 1771

>osa-miR395s MIMAT0000968 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAACTC 21
|||:|:|*||*|||:|:|*
Sbjct: 1232 CACTTTATAGTACACCTTTGAT 1209

>osa-miR395b MIMAT0000959 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAACTC 21
|||:|:|*||*|||:|:|*
Sbjct: 1232 CACTTTATAGTACACCTTTGAT 1209

Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR166i-5p MIMAT0022883 Score: 4.5 TCONS_00037124 gene=XLOC_021483

Query: 1 AATGCAGTT-T--GATCCAAGATC 21
||:|*|*|**|||:|

Sbjct: 674 TTGTGTGAGTAGGCTAGGTTTGTAG 651

>osa-miR166i-5p MIMAT0022883 Score: 4.5 TCONS_00037125 gene=XLOC_021483

Query: 1 AATGCAGTT-T--GATCCAAGATC 21
||:|*|*|**|||:|

Sbjct: 2407 TTGTGTGAGTAGGCTAGGTTTGTAG 2384

>osa-miR444c.1 MIMAT0005971 Score: 4.0 TCONS_00057276 gene=XLOC_031772

Query: 1 TGTTGTCTC--AA-GCTTGCTGCC 21
||:*|||**||**|||

Sbjct: 140 ACGAAAGAGTTTGTAGGAACGACGG 117

>osa-miR159a.2 MIMAT0009200 Score: 4.5 TCONS_00016968 gene=XLOC_009228

Query: 1 TTGCATGCC-C--CAGGAGCTGCA 21
|||:|**|***|||:|

Sbjct: 738 AACGTGCGATGTCATCCTTGACGT 715

>osa-miR156c-5p MIMAT0000620 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:|**|*|||

Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156c-5p MIMAT0000620 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:|**|*|||

Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156c-5p MIMAT0000620 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156c-5p MIMAT0000620 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156c-5p MIMAT0000620 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156c-5p MIMAT0000620 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||:***|*|||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156c-5p MIMAT0000620 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
||*|||*||**|||*||*
Sbjct: 398 ACCGTCTTCTTTTCACTCCTT 376

>osa-miR156c-5p MIMAT0000620 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
|||**||**||:|*
Sbjct: 1646 ACTGTCTTACTCT TCATTTGTT 1624

>osa-miR166e-5p MIMAT0022859 Score: 4.5 TCONS_00072868 gene=XLOC_040881

Query: 1 GGAATGTTG-T--CTGGTTCAAGG 21
|:|||||||*||**|||*||*||:
Sbjct: 2966 CTTTACAACAATCGACCACGGTTC 2943

>osa-miR166e-5p MIMAT0022859 Score: 4.5 TCONS_00072869 gene=XLOC_040881

Query: 1 GGAATGTTG-T--CTGGTTCAAGG 21
|:|||||||*||**|||*||*||:
Sbjct: 3719 CTTTACAACAATCGACCACGGTTC 3696

>osa-miR166e-5p MIMAT0022859 Score: 4.5 TCONS_00102306 gene=XLOC_058088

Query: 1 GGAATGTTGT--C-TGGTTCAAGG 21
|||||||:|**||*|||*|||:
Sbjct: 452 CCTTACAGTACTGTACCACGTTTT 429

>osa-miR168a-5p MIMAT0001045 Score: 4.5 TCONS_00018461 gene=XLOC_010132

Query: 1 TCGCTTGGT---GCAGATCGGGAC 21
:|*|||**||:|:|||||
Sbjct: 1113 GGCCAACCATTGTGTTGGCCCTG 1090

>osa-miR168a-5p MIMAT0001045 Score: 4.5 TCONS_00018462 gene=XLOC_010132

Query: 1 TCGCTTGGT---GCAGATCGGGAC 21
:|*|||**||:|:|||||
Sbjct: 1160 GGCCAACCATTGTGTTGGCCCTG 1137

>osa-miR168a-5p MIMAT0001045 Score: 4.5 TCONS_00069605 gene=XLOC_038990

Query: 1 TCGCTTGGT--GC-AGATCGGGAC 21
||||**||*|||*|||
Sbjct: 464 CGCGAACCCGCGATCTAGGCCTG 441

>osa-miR168a-5p MIMAT0001045 Score: 3.5 TCONS_00087860 gene=XLOC_049723

Query: 1 TCGCTTGGT-G-C-AGATCGGGAC 21

>osa-miR156i MIMAT0000626 Score: 2.0 TCONS_00043176 gene=XLOC_024537

```
Query:          1 TGACAGAAG--A-GAGTGAGCAC 20
                ||| | | | | | : ** | * | | | | | | | | |
Sbjct:          719 ACTGTCTTT CTCCTCACTCGTG 697
```

>osa-miR156i MIMAT0000626 Score: 4.5 TCONS_00076760 gene=XLOC_043053

```
Query:          1 TGACAGAAG-AG--AGTGAGCAC 20
                || * | | | | | * | ** | | | | | | * | *
Sbjct:          398 ACCGTCTTCCTCTTTCACTCCTT 376
```

>osa-miR156i MIMAT0000626 Score: 4.5 TCONS_00087104 gene=XLOC_049223

```
Query:          1 TGACAGAAG-AG--AGTGAGCAC 20
                ||| | | | | | ** | ** | | | | : | : | *
Sbjct:          1646 ACTGTCTTACTCT TCATTTGTT 1624
```

>osa-miR171c-3p MIMAT0001064 Score: 4.5 TCONS_00068198 gene=XLOC_038327

```
Query:          1 TGATTGAGCC---GTGCCAATATC 21
                ||| | | | | | * | *** | | | | | * | : | : |
Sbjct:          201 ACTAACTCTGTTTCACGGGTGTGG 178
```

>osa-miR171c-3p MIMAT0001064 Score: 4.5 TCONS_00098418 gene=XLOC_055846

```
Query:          1 TGATTGAGCCG---TGCCAATATC 21
                || * | | | | : | * | *** | | | | | : | | |
Sbjct:          560 ACGAACTTGACTAAACGGTTGTAG 537
```

>osa-miR395t MIMAT0000969 Score: 4.0 TCONS_00100257 gene=XLOC_057032

```
Query:          1 GTGAAGTGT--T-TGGGGAAACTC 21
                ||| | | | : | : | ** | * | | | | : | | | | | *
Sbjct:          1232 CACTTTATAGTACACCTCTTTGAT 1209
```

>osa-miR395n MIMAT0003871 Score: 4.5 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGGGGAAGTCT 21
|||:|:|**|*|||:|:|*
Sbjct: 1232 CACTTTATAGTACACCTCTTTGAT 1209

>osa-miR160d-5p MIMAT0000631 Score: 3.5 TCONS_00111350 gene=XLOC_063639

Query: 1 TGCCTGGCT---CCCTGTATGCCA 21
|||||||**||*|||*|||*
Sbjct: 532 ACGGACCGAAAGGGAACATACGGC 509

>osa-miR408-3p MIMAT0001079 Score: 4.0 TCONS_00056472 gene=XLOC_031355

Query: 1 CTGCACTGCCT---CTCCCTGGC 21
|||||*|||***|*|||*|||
Sbjct: 259 GACGTGCCGACCGGAAGGGGCG 236

>osa-miR408-3p MIMAT0001079 Score: 4.5 TCONS_00051144 gene=XLOC_028659

Query: 1 CTGCACTGC-CT--CTCCCTGGC 21
|:|*|:|*|:***|*|||*|||
Sbjct: 172 GCGAGGCGTGGTCTGAAGGGGCG 149

>osa-miR408-3p MIMAT0001079 Score: 4.5 TCONS_00094855 gene=XLOC_053743

Query: 1 CTGCACTGC--CT-CTCCCTGGC 21
|||*|||**|**|||*|||*|||
Sbjct: 699 GACGAGACGTAGACTAAGGGAACG 676

>osa-miR171b MIMAT0001063 Score: 4.5 TCONS_00068198 gene=XLOC_038327

Query: 1 TGATTGAGCC---GTGCCAATATC 21
|||||||*|***|*|||*|:|:|
Sbjct: 201 ACTAACTCTGTTTCACGGGTGTGG 178

>osa-miR171b MIMAT0001063 Score: 4.5 TCONS_00098418 gene=XLOC_055846

Query: 1 TGATTGAGCCG---TGCCAATATC 21
||*|||:|****|||:|
Sbjct: 560 ACGAACTTGACTAAACGGTTGTAG 537

>osa-miR171f-3p MIMAT0001067 Score: 4.5 TCONS_00068198 gene=XLOC_038327

Query: 1 TGATTGAGCC---GTGCCAATATC 21
|||||||****|||*|:|
Sbjct: 201 ACTAACTCTGTTTCACGGGTGTGG 178

>osa-miR171f-3p MIMAT0001067 Score: 4.5 TCONS_00098418 gene=XLOC_055846

Query: 1 TGATTGAGCCG---TGCCAATATC 21
||*|||:|****|||:|
Sbjct: 560 ACGAACTTGACTAAACGGTTGTAG 537

>osa-miR166l-3p MIMAT0001038 Score: 4.5 TCONS_00011308 gene=XLOC_006054

Query: 1 TCGGACCAG---GCTTCAATCCCT 21
|||||||***||:||||*|:
Sbjct: 462 AGCCTGGTACTGCGGAGTTAAGGG 439

>osa-miR166l-3p MIMAT0001038 Score: 4.5 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCAATCCCT 21
|||||||:***|||*|*|:
Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR166a-5p MIMAT0022855 Score: 4.5 TCONS_00072868 gene=XLOC_040881

Query: 1 GGAATGTTG-T--CTGGTTCAAGG 21
|:||||||*||*|||*|*|:
Sbjct: 2966 CTTTACAACAATCGACCACGGTTC 2943

>osa-miR166a-5p MIMAT0022855 Score: 4.5 TCONS_00072869 gene=XLOC_040881

Query: 1 GGAATGTTG-T--CTGGTTCAAGG 21
|:||||||*||*|||*|*|:
Sbjct: 2966 CTTTACAACAATCGACCACGGTTC 2943

Sbjct: 3719 CTTTACAACAATCGACCACGGTTC 3696

>osa-miR166a-5p MIMAT0022855 Score: 4.5 TCONS_00102306 gene=XLOC_058088

Query: 1 GGAATGTTGT--C-TGGTTCAAGG 21

|||||||:|**|*|||*|||:|

Sbjct: 452 CCTTACAGTACTGTACCACGTTTT 429

>osa-miR156b-3p MIMAT0022845 Score: 4.0 TCONS_00107603 gene=XLOC_061457

Query: 1 GCTCACTCT---CTATCTGTCAGC 21

|||||||***|*|*|:||||

Sbjct: 418 CGAGTGAGAGAAGACAGTCGGTCG 395

>osa-miR156b-3p MIMAT0022845 Score: 4.0 TCONS_00107604 gene=XLOC_061457

Query: 1 GCTCACTCT---CTATCTGTCAGC 21

|||||||***|*|*|:||||

Sbjct: 399 CGAGTGAGAGAAGACAGTCGGTCG 376

>osa-miR164e MIMAT0001035 Score: 4.0 TCONS_00055782 gene=XLOC_031038

Query: 1 TGGAGAAGC--AG-GGCACGTGAG 21

|||||||**|*||**|:|||

Sbjct: 547 ACCTCTTCGAGTCGCCGCCGCTC 524

>osa-miR164e MIMAT0001035 Score: 4.0 TCONS_00055783 gene=XLOC_031038

Query: 1 TGGAGAAGC--AG-GGCACGTGAG 21

|||||||**|*||**|:|||

Sbjct: 547 ACCTCTTCGAGTCGCCGCCGCTC 524

>osa-miR164e MIMAT0001035 Score: 4.0 TCONS_00055784 gene=XLOC_031038

Query: 1 TGGAGAAGC--AG-GGCACGTGAG 21

|||||||**|*||**|:|||

Sbjct: 553 ACCTCTTCGAGTCGCCGCCGCTC 530

>osa-miR164e MIMAT0001035 Score: 4.0 TCONS_00055785 gene=XLOC_031038

Query: 1 TGGAGAAGC--AG-GGCACGTGAG 21
|||||||**|*||**|:|
Sbjct: 553 ACCTCTTCGAGTCGCCGCCGCTC 530

>osa-miR166e-3p MIMAT0000639 Score: 4.0 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGAACCAG---GCTTCATTCCCC 21
|||*|||:***|||*|||
Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR166j-3p MIMAT0001088 Score: 3.0 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCATTCCCC 21
|||||||:***|||*|||
Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR1435 MIMAT0005986 Score: 3.5 TCONS_00010861 gene=XLOC_005835

Query: 1 TTTCTTAAGT--C-AACTTTTT 20
|||*|:||||**|*|||:|
Sbjct: 418 AAACAGTTCACGGTTTGGAAAA 396

>osa-miR1435 MIMAT0005986 Score: 4.5 TCONS_00014791 gene=XLOC_007899

Query: 1 TTTCTTAAG--T-CAAACTTTT 20
|||*||**|**|*|||
Sbjct: 74 AAA ACATCACAGGTTTGA AAAA 52

>osa-miR1435 MIMAT0005986 Score: 4.5 TCONS_00029525 gene=XLOC_016842

Query: 1 TTTCTTAAG---TCAAACTTTT 20
|||||*|***|||*||
Sbjct: 203 AAAGAAATCACTAGTTTGTACAA 181

>osa-miR1435 MIMAT0005986 Score: 4.0 TCONS_00034465 gene=XLOC_019858

Query: 1 TTTCTTAAG--T-CAAAC TTTT 20
|||:|:**|*|*|
Sbjct: 935 AAAGGTTTGAA GGTGAAAA 913

>osa-miR1435 MIMAT0005986 Score: 4.5 TCONS_00071735 gene=XLOC_040137

Query: 1 TTTCTTAAG---TCAAAC TTTT 20
|||*|*|:***|*|
Sbjct: 628 AAAGAAGTTTAAAGGTTGAAAAG 606

>osa-miR1435 MIMAT0005986 Score: 4.5 TCONS_00090532 gene=XLOC_051185

Query: 1 TTTCTTAAG-T--CAAAC TTTT 20
||*|*|*|**|*|
Sbjct: 1148 AAACAAC TCAAG GTTGAACAA 1126

>osa-miR1435 MIMAT0005986 Score: 4.0 TCONS_00104489 gene=XLOC_059506

Query: 1 TTTCTTAAGT---CAAAC TTTT 20
|||*|*|*|**|*|:|*|
Sbjct: 271 AAAGAATTCAGTCGTTGGAGACA 249

>osa-miR1435 MIMAT0005986 Score: 4.0 TCONS_00104492 gene=XLOC_059506

Query: 1 TTTCTTAAGT---CAAAC TTTT 20
|||*|*|*|**|*|:|*|
Sbjct: 250 AAAGAATTCAGTCGTTGGAGACA 228

>osa-miR1435 MIMAT0005986 Score: 4.0 TCONS_00110274 gene=XLOC_062969

Query: 1 TTTCTTAAG---TCAAAC TTTT 20
|||*|*|:***|*|
Sbjct: 1417 AAAGAAGTTTGAAGTTGAAAAA 1395

>osa-miR1435 MIMAT0005986 Score: 4.5 TCONS_00107680 gene=XLOC_061504

Query: 1 TTTCTTAAG---TCAAAC TTTT 20

|||||*|:***|*|:|:|:
Sbjct: 317 AAAGAAGTTGAAGGTGAAAAG 295

>osa-miR444b.1 MIMAT0005969 Score: 4.0 TCONS_00057276 gene=XLOC_031772

Query: 1 TGTTGTCTC--AA-GCTTGCTGCC 21
|:|*|||*|**|||:|:
Sbjct: 140 ACGAAAGAGTTTATAGGAACGACGG 117

>osa-miR395c MIMAT0000972 Score: 4.5 TCONS_00029176 gene=XLOC_016647

Query: 1 GTGAAGTGT---TTGGAGGAACTC 21
|*|||*|***:|:|:|:
Sbjct: 481 CAATTCAAATCGGACTTCCTTGAG 458

>osa-miR395c MIMAT0000972 Score: 4.0 TCONS_00100257 gene=XLOC_057032

Query: 1 GTGAAGTGT--T-TGGAGGAACTC 21
|:|:|*|*|:|:|*|:
Sbjct: 1232 CACTTTATAGTACACCTCTTGAT 1209

>osa-miR156a MIMAT0000618 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|:|:|*|*|:|:|:
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156a MIMAT0000618 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|:|:|*|*|:|:|:
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156a MIMAT0000618 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|:|:|*|*|:|:|:
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156a MIMAT0000618 Score: 2.0 TCONS_00043174 gene=XLOC_024537

```
Query:          1 TGACAGAAG--A-GAGTGAGCAC 20
                ||| ||| ||| : ** | * ||| ||| ||| |||
Sbjct:          719 ACTGTCTTT CTCCTCACTCGTG 697
```

>osa-miR156a MIMAT0000618 Score: 2.0 TCONS_00043175 gene=XLOC_024537

```
Query:          1 TGACAGAAG--A-GAGTGAGCAC 20
                ||| ||| ||| : ** | * ||| ||| ||| |||
Sbjct:          719 ACTGTCTTT CTCCTCACTCGTG 697
```

>osa-miR156a MIMAT0000618 Score: 2.0 TCONS_00043176 gene=XLOC_024537

```
Query:          1 TGACAGAAG--A-GAGTGAGCAC 20
                ||| ||| ||| : ** | * ||| ||| ||| |||
Sbjct:          719 ACTGTCTTT CTCCTCACTCGTG 697
```

>osa-miR156a MIMAT0000618 Score: 4.5 TCONS_00076760 gene=XLOC_043053

```
Query:          1 TGACAGAAG-AG--AGTGAGCAC 20
                || * ||| ||| * || ** ||| ||| * || *
Sbjct:          398 ACCGTCTTCCTCTTTCACTCCTT 376
```

>osa-miR156a MIMAT0000618 Score: 4.5 TCONS_00087104 gene=XLOC_049223

```
Query:          1 TGACAGAAG-AG--AGTGAGCAC 20
                ||| ||| ||| ** || ** ||| : | : | *
Sbjct:          1646 ACTGTCTTACTCT TCATTTGTT 1624
```

>osa-miR166k-5p MIMAT0022870 Score: 4.5 TCONS_00010856 gene=XLOC_005835

```
Query:          1 GGTTTGTTG---TCTGGCTCGAGG 21
                : ||| ||| ||| *** ||| ||| * | * ||| :
Sbjct:          1685 TCAAACAACAGTAGACCAATCTCT 1662
```

>osa-miR166k-5p MIMAT0022870 Score: 4.5 TCONS_00027308 gene=XLOC_015481

Query: 1 GGTTTGTTGT-C--TGGCTCGAGG 21
||||:|:|:|*|**:*| |||||
Sbjct: 209 CCAAGCGACGTGTCGGCGAGCTCC 186

>osa-miR156h-5p MIMAT0031156 Score: 2.0 TCONS_00043170 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*| |||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156h-5p MIMAT0031156 Score: 2.0 TCONS_00043171 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*| |||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156h-5p MIMAT0031156 Score: 2.0 TCONS_00043172 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*| |||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156h-5p MIMAT0031156 Score: 2.0 TCONS_00043174 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*| |||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156h-5p MIMAT0031156 Score: 2.0 TCONS_00043175 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
|||||||:**|*| |||||
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156h-5p MIMAT0031156 Score: 2.0 TCONS_00043176 gene=XLOC_024537

Query: 1 TGACAGAAG--A-GAGTGAGCAC 20
||| | | | | | | | : ** | * | | | | | | | | | |
Sbjct: 719 ACTGTCTTT CTCCTCACTCGTG 697

>osa-miR156h-5p MIMAT0031156 Score: 4.5 TCONS_00076760 gene=XLOC_043053

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
|| * | | | | | | * | | ** | | | | | | * | *
Sbjct: 398 ACCGTCTTCTCTTTCACCTCCTT 376

>osa-miR156h-5p MIMAT0031156 Score: 4.5 TCONS_00087104 gene=XLOC_049223

Query: 1 TGACAGAAG-AG--AGTGAGCAC 20
||| | | | | | | | ** | | ** | | | | | | : | : | *
Sbjct: 1646 ACTGTCTTACTCT TCATTTGTT 1624

>osa-miR171d-3p MIMAT0001065 Score: 4.5 TCONS_00068198 gene=XLOC_038327

Query: 1 TGATTGAGCC---GTGCCAATATC 21
||| | | | | | | * | *** | | | | | * | : | : |
Sbjct: 201 ACTAACTCTGTTTCACGGGTGTGG 178

>osa-miR171d-3p MIMAT0001065 Score: 4.5 TCONS_00098418 gene=XLOC_055846

Query: 1 TGATTGAGCCG---TGCCAATATC 21
|| * | | | | : * | *** | | | | | : | | |
Sbjct: 560 ACGAACTTGACTAAACGGTTGTAG 537

>osa-miR397b MIMAT0000981 Score: 4.5 TCONS_00037671 gene=XLOC_021753

Query: 1 TTATTGAGT--GC-AGCGTTGATG 21
|| * | | | | * | ** | | * | | | | | | * | |
Sbjct: 2975 AACAACTAAGTCGATCGCAACCAC 2952

>osa-miR166c-3p MIMAT0000637 Score: 3.0 TCONS_00068571 gene=XLOC_038526

Query: 1 TCGGACCAG---GCTTCATTCCCC 21
||| | | | | | | : *** | | | | * | | | | | | | |

Sbjct: 839 AGCCTGGTTAAGCGAACTAAGGGG 816

>osa-miR164a MIMAT0000634 Score: 4.5 TCONS_00013466 gene=XLOC_007072

Query: 1 TGGAGAAGCA---GGGCACGTGCA 21

||:|||||||:::*|||::| ||:

Sbjct: 453 ACGTCTTCGTAAGTCCGTGC-CGC 430

>osa-miR164b MIMAT0000634 Score: 4.5 TCONS_00013466 gene=XLOC_007072

Query: 1 TGGAGAAGCA---GGGCACGTGCA 21

||:|||||||:::*|||::| ||:

Sbjct: 453 ACGTCTTCGTAAGTCCGTGC-CGC 430

>osa-miR164f MIMAT0000634 Score: 4.5 TCONS_00013466 gene=XLOC_007072

Query: 1 TGGAGAAGCA---GGGCACGTGCA 21

||:|||||||:::*|||::| ||:

Sbjct: 453 ACGTCTTCGTAAGTCCGTGC-CGC 430