

SUPPORTING INFORMATION 1

miRNAs predicted by Lindow et al., 2007.

Locus_id	Family_id	mirbase_id	Location	pre-miRNA	mature
miRNA	svm_score	JRCriteria	Genome context	miSquare_with	Targets
copy_number					
83	1920	chr01 11971:868120-868218:1			
				TAGCGCCCTGTCTGAACTGGGGCAGTTCGATAGGTACCCCTGTCTGAACTGGGGCAGTTCGAC	
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107	1522	chr01 11971:1193034-1193142:1			
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110	2712	osa-MIR159b chr01 11971:1211832-1212019:1			
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				GCCGAATCAACTCTTGCTGACCACTCTTTGGATTGAAGGGAGCTCTGCATCTTGATC	
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167	944	chr01 11971:2005805-2005930:1			
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177 11026 chr01|11971:2137116-2137184:1
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196 126 chr01|11971:2229137-2229219:1
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214 100 chr01|11971:2486829-2486975:1
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220 1818 chr01|11971:2526445-2526518:1

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repeat_sense, intron_sense,

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243 7240 chr01|11971:2817071-2817221:1

CCCTCGGAGACGGCGTGCTTGGCGAGCTCGCCGGGAGGACGAGGCGACGGAGGTCTGGA
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cds_antisense, exon_antisense,

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cds_antisense, exon_antisense,

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583 2712 osa-MIR159f chr01|11971:6689926-6690089:1

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intron_sense, HASH(0x9082a1c)

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649 126 chr01|11971:7617101-7617191:1

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668 11220 chr01|11971:7739290-7739430:1

GCCGACGCCGGCTCCGACAGCAGCGTTAACTCTGGAGCTGTGCACTCCAGTCCGGCAATG
GAGGACAGTAAGCTGGTGGGTGCCCGGTGTTCTTGGTTGTCCTTGCTGTATGTGGACCGTGCCATTGAT
GCCGGTAGGGC GACCGTGCCATTGATGCCGGT 0.448119 1

utr_sense, exon_sense,

LOC_0s02g30430.1, LOC_0s03g57880.1, LOC_0s02g06220.1, LOC_0s05g25560.1, LOC_0s05g06230.1, LOC_0s06g07590.1, LOC_0s03g30830.1, LOC_0s05g03860.1, LOC_0s08g29980.1, LOC_0s06g42080.1, LOC_0s01g42320.1, 7

686 692 chr01|11971:7947850-7947965:1

AGCTAGGGGTGTAAGTGGCTAACCCGCGAAACCACTTATAAGCTAAAATAAGCCGCGAAC
CCGATTATTTGGACCTACAAGTGGGTTCGTGGCTAACCACTTACACCTCTAGCT

GGTTCGTGGCTAACCACTTACACC 0.0561133 0

repeat_sense, igr_sense,

LOC_0s03g49620.3, LOC_0s03g49620.5, LOC_0s05g03370.1, LOC_0s03g57660.2, LOC_0s03g49620.6, LOC_0s07g41090.3, LOC_0s07g41090.1, LOC_0s03g49620.4, LOC_0s08g42930.1, LOC_0s01g28244.1, LOC_0s03g49620.2, 53

880 464 chr01|11971:10122265-10122351:1

GTTTCACCTAGGACGAGGATATGGCATCCTATTACTAGCCATCGCACGAAAATTAATAGGA
TGCCACATTCTATCCTAGATGGAAC AGGATGCCACATTCTCATCC 0.672963 1

repeat_sense, igr_sense,

LOC_0s02g44350.1, LOC_0s09g13010.1, LOC_0s06g09490.1, LOC_0s05g09470.1, LOC_0s11g36610.1, LOC_0s10g42690.1, LOC_0s10g22164.1, LOC_0s01g59670.1, LOC_0s01g24849.1, 66

881 126 chr01|11971:10170367-10170469:1

GGTGTACCAACCGGAACATAAGATCATCTTTGTCCCGGTTCAAATGCTGTCAGGTCTTG

GCAGCCCCCCCCGGGATCTTTAGTCCCGGTTGGTAAGATC GATCTTTAGTCCCGGTTGGTAA
0.230736 1 repeat_sense, igr_sense,
LOC_Os10g08660.1, LOC_Os08g13430.1, LOC_Os06g15730.1, LOC_Os01g20950.1, L
OC_Os08g02990.1, LOC_Os02g50650.1, LOC_Os01g38580.1, LOC_Os01g52590.1, L
C_Os08g26860.1, LOC_Os11g36280.1, LOC_Os05g18294.4, LOC_Os09g17360.1, LOC
_Os04g13630.1, LOC_Os07g23354.1, LOC_Os10g01560.1, LOC_Os12g17280.1, LOC
Os04g06630.1, LOC_Os07g14430.1, LOC_Os08g27180.1, LOC_Os11g35750.1, LOC_O
s08g08310.1, 14980
882 126 chr01|11971:10184112-10184199:1
TAGTCCCTCTTTAGTCCAGTTATTTACCCGGTCTTTAGTCCCGGATTCGTAGTCCCGG
TTGGACAACCGGGACTAAAGGGGGTTA TCCCGGTTGGACAACCGGGACTAAA 0.0597835
1 repeat_sense, intron_sense,
LOC_Os05g19020.1, LOC_Os01g28080.1, LOC_Os05g09210.1, LOC_Os09g03939.1, L
OC_Os05g31890.1, LOC_Os05g34880.1, LOC_Os01g39210.1, LOC_Os11g37610.1, L
C_Os08g26860.1, LOC_Os05g18294.4, LOC_Os12g06960.1, LOC_Os09g16060.1, LOC
_Os06g32290.1, LOC_Os08g10260.1, LOC_Os10g01560.1, LOC_Os09g03939.2, LOC
Os11g06630.1, 1630
939 126 chr01|11971:10775112-10775191:1
TCTTTAGTCCCGGTTGATGAGAACAACCGGGAGTAAAGATATCTTTACTCCCGGTTGTTGA
GAACAACCGGGACTAAAGA TCCCGGTTGTTGAGAACAACCGGGA 0.54166 0
repeat_sense, igr_sense,
LOC_Os05g39470.1, LOC_Os12g18420.1, LOC_Os01g17402.2, LOC_Os09g17020.1, L
OC_Os02g08060.1, LOC_Os12g34010.1, LOC_Os08g23100.1, LOC_Os12g17280.1, L
C_Os05g01120.1, LOC_Os01g17402.1, 1252
1032 11362 chr01|11971:11895700-11895837:1
CCTCTAACTCCGGCGGGCTCCCCTTCTTCTCCGGCGCCAGCGACACCCCAACTCCGGCGGG
TTAGGGTTTGAGGTTGGGGTAGGGTAGGCGGGGTTGGGGGAGGGGGAAGAGAGGGGTTTCCTCGGAG
CTTAGAGG AAGAGAGGGGTTTCCTCGGAG 0.467818 1 igr_sense,
LOC_Os11g01340.2, LOC_Os12g01370.1, LOC_Os04g52970.1, LOC_Os11g37820.1, L
OC_Os04g53000.1, LOC_Os11g01340.1, LOC_Os11g29520.1, LOC_Os03g24020.1, L
C_Os01g42710.1, LOC_Os09g17390.1, LOC_Os12g27380.1, LOC_Os01g73070.1, 25
1049 588 chr01|11971:12128595-12128695:1
GTACTAGGATAGGACATCCTAGTACAATGAATCTGGATGTTATAACCTCGTCTAGATTA
GTCCAGATTCGTTGTACTAGGATGTGTCCCATCCTAGTAT TTGTACTAGGATGTGTCCCATCC
0.499542 1 repeat_sense, igr_sense,
LOC_Os03g07480.1, LOC_Os04g31120.2, LOC_Os02g30730.3, LOC_Os12g06650.1, L
OC_Os07g28260.1, LOC_Os03g07480.2, LOC_Os01g74330.1, LOC_Os05g45820.1, L
C_Os10g27110.1, LOC_Os04g53830.1, LOC_Os09g15570.1, LOC_Os02g30730.2, LOC
_Os01g53920.1, LOC_Os10g04050.1, LOC_Os06g30280.1, LOC_Os01g51800.1, LOC
Os04g31120.4, LOC_Os07g28260.3, LOC_Os05g37130.2, LOC_Os04g31120.3, LOC_O
s07g28260.2, LOC_Os02g30730.4, LOC_Os07g28260.5, LOC_Os03g07480.3, LOC_Os
11g34660.1, LOC_Os04g31120.1, LOC_Os03g07480.4, LOC_Os07g49460.1, LOC_Os0
7g28260.4, LOC_Os10g04050.2, LOC_Os07g30790.1, LOC_Os12g39380.1, LOC_Os06

g11090.1, LOC_Os04g31120.5, LOC_Os06g10810.1, LOC_Os10g30130.1, LOC_Os02g30730.1, 969

1065 11370 osa-MIR408 chr01|11971:12284164-12284320:1

AGAGGAGACAGGGATGAGGCAGAGCATGGGATGGGGCTATCAACAGATGTAGATTATTCCT
TGCACAAGAGATGATGATGAGCTGTGAATGAGTTCTGAGAGATGGCTGGTGTGTTGTTGCTCCCTCCC
CTGCACTGCCTCTTCCCTGGCTCCCCT CTGCACTGCCTCTTCCCTGGC 0.553072 1

igr_sense,

LOC_Os10g41170.1, LOC_Os01g01689.2, LOC_Os01g53880.3, LOC_Os03g15340.1, LOC_Os08g37670.1, LOC_Os06g11490.1, LOC_Os01g53880.6, LOC_Os11g01470.1, LOC_Os06g15600.1, LOC_Os02g52180.1, LOC_Os11g32660.1, LOC_Os04g33950.1, LOC_Os01g61160.1, LOC_Os01g03530.1, LOC_Os01g53880.1, LOC_Os03g50140.1, LOC_Os02g30250.1, LOC_Os06g47650.1, LOC_Os03g21450.1, LOC_Os01g53880.4, LOC_Os03g49820.1, LOC_Os01g53880.2, LOC_Os01g53880.5, LOC_Os04g52240.1, LOC_Os11g07500.1, LOC_Os03g50160.1, LOC_Os01g01689.1, LOC_Os09g29390.1, LOC_Os03g18640.1, LOC_Os02g43660.1, LOC_Os02g49850.1, LOC_Os01g02110.1, LOC_Os08g42550.1, LOC_Os09g02130.1, LOC_Os01g34890.1, LOC_Os01g01689.3, LOC_Os10g11060.1, 12

1134 314 chr01|11971:13029660-13029737:1

GGGCCGGCCTGTTGGCACAGCTCCAGCTCCAGCTCCACCCCTCCTGGAGCTGGAGCTCAG
TCAAACAGTTTCAGCTC GCTGGAGCTCAGTCAAACAG 0.987864 1

repeat_sense, igr_sense,

LOC_Os08g21380.1, LOC_Os08g10360.1, LOC_Os01g06750.1, LOC_Os12g37210.1, LOC_Os01g21210.1, LOC_Os11g16640.1, LOC_Os02g08410.1, LOC_Os10g08990.1, LOC_Os12g13640.1, LOC_Os07g02990.1, LOC_Os10g05300.1, LOC_Os01g54990.1, LOC_Os10g31910.1, LOC_Os03g20190.1, LOC_Os04g29870.1, LOC_Os11g24990.1, LOC_Os12g12340.1, LOC_Os07g30210.1, LOC_Os02g06350.1, LOC_Os11g03720.1, LOC_Os11g14090.1, 504

1193 11414 chr01|11971:13700350-13700433:1

GCACGTGGACCAGTTGTCCGCTGTGAAAATCAACTATTTTTTTCGTAGATGCTCATTTGC
AGGCGGACAGCTGGTCCACCTGC TTTGCAGGCGGACAGCTGGTCC 0.628407 1

repeat_sense, intron_sense,

LOC_Os12g01210.1, LOC_Os03g51760.1, LOC_Os07g17270.1, LOC_Os07g34870.1, LOC_Os04g38810.1, LOC_Os11g01210.1, LOC_Os08g11450.1, LOC_Os02g35090.1, 15

1331 1920 chr01|11971:14925841-14925933:1

TACCCTGTGGAACAACCGCGGTTGACAGGGATACCTATCGAACAACCACAGTTCGACAAG
TACATGTGGAAGTGGTCAGTTTCGACAGGGTA TGTCGAAGTGGTCAGTTTCGACAGG

0.82299 1 exon_sense, repeat_sense, cds_sense,

LOC_Os01g26340.1, LOC_Os02g30670.1, LOC_Os12g24980.1, LOC_Os01g63180.1, LOC_Os01g28700.1, LOC_Os05g05390.1, LOC_Os03g02130.1, LOC_Os04g02380.1, LOC_Os03g45130.1, LOC_Os11g15170.1, LOC_Os04g41840.1, LOC_Os01g02610.1, LOC_Os01g63170.1, LOC_Os07g07430.1, LOC_Os05g16910.1, LOC_Os09g27940.1, LOC_Os06g19250.1, 174

1334 796 chr01|11971:14958127-14958259:1
GTATCGCGTGATACCTGGTAGGTATCGCGTGATACCTGGCTGGTATCGCATGATTCCTGAT
AGTTATCACCTGATACATTAGAAGTATCATCTAATAGGTATCGCGTGATACCTGATAGGTATCACCCGA
TAC TGATACCTGATAGGTATCAC 0.37356 1 repeat_sense, igr_sense,
LOC_Os11g09050.1, LOC_Os05g09720.1, LOC_Os08g28070.1, LOC_Os03g40080.1, L
OC_Os02g32920.1, LOC_Os04g38990.1, LOC_Os01g62380.1, LOC_Os10g36229.1, L
C_Os01g48580.1, LOC_Os08g34920.1, LOC_Os08g33030.1, LOC_Os08g36830.1, LOC
_Os10g31970.1, LOC_Os07g36510.1, LOC_Os03g11940.1, 535

1352 9478 chr01|11971:15287495-15287624:1
TCACCAACGCTGGTATGGACTTGGTGGTATGATGAAGGAGACTCACCAGCGCTGGATCCC
TGTGGCGGTGTGGTCGACGTCGTCGTCACCCTCCCTTCATCATCGCCGCCGAGTCCTCCACTTGCTGA
LOC_Os03g59290.1, LOC_Os04g31290.1, LOC_Os03g56380.1, LOC_Os05g08410.2, L
OC_Os08g34370.1, LOC_Os07g46330.1, LOC_Os05g48210.1, LOC_Os03g42360.1, L
C_Os01g13140.1, LOC_Os06g35070.1, LOC_Os09g23750.1, LOC_Os07g05630.1, LOC
_Os10g17660.1, LOC_Os02g03450.1, LOC_Os04g58890.1, LOC_Os01g65920.2, LOC_
Os03g49570.1, LOC_Os02g58330.1, LOC_Os05g10830.1, LOC_Os01g09080.1, LOC_O
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01g12260.1, LOC_Os06g40130.1, LOC_Os04g55620.1, LOC_Os12g08480.1, LOC_Os0
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g27600.1, LOC_Os08g32120.1, LOC_Os05g06480.1, LOC_Os10g04342.1, LOC_Os09g
24700.1, LOC_Os05g37130.2, LOC_Os08g26030.1, LOC_Os01g47670.1, LOC_Os01g3
8490.1, LOC_Os10g24020.1, LOC_Os01g66610.1, LOC_Os12g04080.1, LOC_Os08g35
360.1, LOC_Os03g64080.1, LOC_Os01g19780.1, LOC_Os03g56910.1, LOC_Os06g475
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0.1, LOC_Os08g22700.1, LOC_Os05g37130.4, LOC_Os03g44740.1, LOC_Os05g37130
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C_Os04g35340.1, LOC_Os07g16990.1, LOC_Os12g30000.1, LOC_Os09g36540.1, LOC
_Os08g35060.1, LOC_Os10g28760.1, LOC_Os07g28850.1, 34

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1358 126 chr01|11971:15343527-15343611:1
TTTAGTCCCGGTTATTTCAATTGGGACTAAATATAGGCATTTTTAGTCCCGGATTCATAGT
CCCGGTTGAAAAACCGGACTAAA TAGTCCCGGTTGAAAAACCGG 0.650331 1
repeat_sense, igr_sense,
LOC_Os08g31649.1, LOC_Os01g28080.1, LOC_Os05g09210.1, LOC_Os09g03939.1, L
OC_Os11g37610.1, LOC_Os08g26860.1, LOC_Os12g06960.1, LOC_Os09g16060.1, L
C_Os10g01560.1, LOC_Os09g03939.2, LOC_Os07g14430.1, LOC_Os07g13090.1,
1477

1366 9478 chr01|11971:15424733-15424857:1
CAGCACTGGTATGGACTTGGTGGTATGATGAAGGAGACTCACCAGCGCTGGATCCCTGTG
GCGGTGTGGTCGACGTCGTCGTCACCCTCCCTTCATCATCGCCGCCGAGTCCTCCACTTGCTG
TCATCATCGCCGCCGAGTCCTC 0.361682 1 igr_sense,

LOC_0s03g59290. 1, LOC_0s04g31290. 1, LOC_0s03g56380. 1, LOC_0s05g08410. 2, LOC_0s08g34370. 1, LOC_0s07g46330. 1, LOC_0s05g48210. 1, LOC_0s03g42360. 1, LOC_0s01g13140. 1, LOC_0s06g35070. 1, LOC_0s09g23750. 1, LOC_0s07g05630. 1, LOC_0s10g17660. 1, LOC_0s02g03450. 1, LOC_0s04g58890. 1, LOC_0s01g65920. 2, LOC_0s03g49570. 1, LOC_0s01g09080. 1, LOC_0s05g10830. 1, LOC_0s02g58330. 1, LOC_0s04g33280. 1, LOC_0s11g05380. 1, LOC_0s08g32450. 1, LOC_0s04g47560. 1, LOC_0s01g12260. 1, LOC_0s06g40130. 1, LOC_0s12g08480. 1, LOC_0s02g21640. 1, LOC_0s11g31100. 1, LOC_0s03g16790. 1, LOC_0s09g27340. 1, LOC_0s01g27600. 1, LOC_0s08g32120. 1, LOC_0s11g37650. 1, LOC_0s05g06480. 1, LOC_0s10g04342. 1, LOC_0s09g24700. 1, LOC_0s05g37130. 2, LOC_0s08g26030. 1, LOC_0s01g47670. 1, LOC_0s01g38490. 1, LOC_0s01g66610. 1, LOC_0s10g24020. 1, LOC_0s12g04080. 1, LOC_0s08g35360. 1, LOC_0s06g06150. 1, LOC_0s03g64080. 1, LOC_0s01g19780. 1, LOC_0s03g56910. 1, LOC_0s06g47520. 1, LOC_0s03g57630. 1, LOC_0s01g12560. 1, LOC_0s05g37130. 3, LOC_0s07g43200. 1, LOC_0s08g22700. 1, LOC_0s05g37130. 4, LOC_0s03g44740. 1, LOC_0s05g37130. 1, LOC_0s12g38090. 1, LOC_0s11g06530. 1, LOC_0s05g38020. 1, LOC_0s03g21700. 1, LOC_0s11g41260. 1, LOC_0s08g16940. 1, LOC_0s03g10770. 1, LOC_0s01g65920. 1, LOC_0s01g03490. 1, LOC_0s05g41250. 1, LOC_0s01g70500. 1, LOC_0s04g56360. 1, LOC_0s03g16850. 1, LOC_0s08g21180. 1, LOC_0s05g03760. 1, LOC_0s06g10800. 1, LOC_0s05g08410. 1, LOC_0s03g16790. 2, LOC_0s04g33280. 2, LOC_0s03g18510. 1, LOC_0s10g33370. 1, LOC_0s04g35340. 1, LOC_0s07g16990. 1, LOC_0s12g30000. 1, LOC_0s09g36540. 1, LOC_0s08g35060. 1, LOC_0s10g28760. 1, LOC_0s07g28850. 1, 34

1422 126 chr01|11971:16135594-16135689:1
TGATTTTTATTCCCGGTTAGTAACACCAACCGGGACTAAAAATAGTAGGGTTAAAGATCAT
TCCCGGTTGGTGTACTAACC GGACTAAAGATCA GGTGTACTAACC GGACTA 1.09531
1 repeat_sense, igr_sense,
LOC_0s01g28080. 1, LOC_0s05g09210. 1, LOC_0s04g37420. 1, LOC_0s09g03939. 1, LOC_0s01g20950. 1, LOC_0s12g06960. 1, LOC_0s12g40960. 1, LOC_0s08g45200. 1, LOC_0s03g43080. 1, LOC_0s08g23829. 1, LOC_0s06g32290. 1, LOC_0s12g13480. 1, LOC_0s09g03939. 2, LOC_0s04g06630. 1, LOC_0s11g06630. 1, LOC_0s07g13090. 1, 4060

1521 126 chr01|11971:16970839-16970942:1
CCGGTTTGTGTTACCAACCGGGACTAAAGATCATCGGTTCTGAATGCTGTCAGGACCTGTCA
GGCCCCCGGGATCTTTAGTCCCGTTGGTAACACCAACCGG GATCTTTAGTCCCGTTGGTAA
0.18651 1 repeat_sense, igr_sense,
LOC_0s10g08660. 1, LOC_0s08g13430. 1, LOC_0s06g15730. 1, LOC_0s01g20950. 1, LOC_0s08g02990. 1, LOC_0s02g50650. 1, LOC_0s01g38580. 1, LOC_0s01g52590. 1, LOC_0s08g26860. 1, LOC_0s11g36280. 1, LOC_0s09g17360. 1, LOC_0s04g13630. 1, LOC_0s07g23354. 1, LOC_0s10g01560. 1, LOC_0s04g06630. 1, LOC_0s07g14430. 1, LOC_0s08g27180. 1, LOC_0s11g35750. 1, LOC_0s08g08310. 1, 14980

1526 11507 chr01|11971:17002297-17002438:1
GCCCGCAATGGTGCACCGCTGCACGAGACCGATGAGCTCGCGCTCGTACACGGCGAGCC
CTGCATGTACGGCGCCAGCGCCGGCTGAAGAACGCGAGCGGCCCGACGCCCTGGTGCAGGATGGCGC
CGATGCCGAGC CTGGTGCAGGATGGCGCCGATGC 0.790218 1

intron_antisense, repeat_sense,
LOC_Os05g07270.1, LOC_Os08g16320.1, LOC_Os03g02560.1, LOC_Os04g56900.1, LOC_Os03g09880.1, LOC_Os05g07820.1, LOC_Os01g46030.1, LOC_Os03g02700.1, LOC_Os05g05660.1, LOC_Os11g11760.1, LOC_Os06g39020.1, LOC_Os01g48750.1, LOC_Os05g32820.1, LOC_Os03g58110.1, LOC_Os04g44354.1, LOC_Os12g42280.1, LOC_Os07g31240.1, LOC_Os01g43170.1, LOC_Os06g03150.1, LOC_Os02g02450.1, LOC_Os06g44860.1, LOC_Os03g09900.1, LOC_Os04g44354.4, LOC_Os01g68950.1, LOC_Os10g36960.1, LOC_Os01g68950.3, LOC_Os03g04680.1, LOC_Os03g44380.1, LOC_Os10g02000.1, LOC_Os01g11300.1, LOC_Os08g17390.1, LOC_Os03g17810.1, LOC_Os10g38450.1, LOC_Os02g54590.1, LOC_Os06g13960.1, LOC_Os05g51740.1, LOC_Os03g02560.2, LOC_Os09g27100.1, LOC_Os03g12660.1, LOC_Os04g35610.1, LOC_Os12g31880.1, LOC_Os03g27170.1, LOC_Os02g56690.1, LOC_Os06g27790.1, LOC_Os01g01870.1, LOC_Os10g33060.1, LOC_Os05g44420.1, LOC_Os03g48230.1, LOC_Os07g49140.1, LOC_Os03g04740.1, LOC_Os11g38630.1, LOC_Os10g08014.1, LOC_Os05g48330.1, LOC_Os08g16260.1, LOC_Os05g33020.1, LOC_Os09g15660.1, LOC_Os01g43170.2, LOC_Os03g27210.1, LOC_Os01g11270.1, LOC_Os07g14820.1, LOC_Os01g43170.3, LOC_Os04g44354.2, LOC_Os12g07940.1, LOC_Os04g56780.1, LOC_Os07g31490.1, LOC_Os02g04530.1, LOC_Os09g27940.1, LOC_Os03g53060.1, LOC_Os01g68950.2, LOC_Os01g69140.1, 30

1530 126 chr01|11971:17041679-17041776:1

CTTTAGTCCCGTTGGTGGTACCAACCGGGATTAAAGATCGATTGATCTATACTCCCGGATCTATACTCCCGTTGGTAATACCAACCGGGATTAAAG TCCCGTTGGTAATACCAACCGG

0.0738737 1 repeat_sense, igr_sense,

LOC_Os08g31649.1, LOC_Os08g13430.1, LOC_Os02g50650.1, LOC_Os05g18294.4, LOC_Os09g17360.1, LOC_Os08g23829.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os06g45270.1, 6841

1536 11511 chr01|11971:17212108-17212242:1

GTATCCGTAGTAGCCATGGTCACATCAGTTCGTAGCAAAAACATTGACGAACTTTTGTCAATTAATGCCAATATTGGCACATATTGAGCACCGACGGGTGCGATGTTTTGATGTGATCATGGCTACTATGATAC TGATGTGATCATGGCTACTA 0.59091 1

repeat_sense, igr_sense,
LOC_Os11g40570.1, LOC_Os02g54624.2, LOC_Os09g09290.1, LOC_Os06g20250.1, LOC_Os11g24800.1, LOC_Os11g28210.1, LOC_Os02g54624.1, LOC_Os01g14950.1, LOC_Os11g40570.2, LOC_Os09g09540.1, LOC_Os09g09290.2, LOC_Os07g21960.1, LOC_Os01g31020.1, LOC_Os09g03390.1, LOC_Os02g21910.1, LOC_Os10g14960.1, 430

1588 1022 chr01|11971:17876183-17876268:1

GCCTTGGA CTCACGTTACGTGTGAGGTCTACGCAAGGCACCGTCTAGTCCTTGGA CTCACATGTTACGTGTGAGGTCTACGGC ACTCACATGTTACGTGTGAGG 0.580726 1

exon_sense, repeat_sense, cds_sense,

LOC_Os12g08410.1, LOC_Os07g15070.1, LOC_Os11g15140.1, LOC_Os01g32060.1, LOC_Os08g17240.1, LOC_Os04g18470.1, LOC_Os01g29050.1, LOC_Os02g14390.1, LOC_Os10g11740.1, LOC_Os12g18420.1, LOC_Os05g20920.1, LOC_Os09g06370.1, LOC_Os04g07550.1, LOC_Os06g25280.1, LOC_Os06g25210.1, LOC_Os04g26730.1, LOC_Os11g09950.1, LOC_Os04g18310.1, LOC_Os08g10890.1, LOC_Os05g24420.1, LOC_Os12g29440.1, LOC_Os02g28400.1, LOC_Os02g29780.1, LOC_Os10g22220.1, LOC_Os

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1602 2712 osa-MIR159a chr01|11971:18008774-18009035:1

GGACGTTGAGCTCCTTTCGGTCCAAAAAGGGGTGTTGCTGTGGGTCGATTGAGCTGCTGGG
TCATGGATCCCGTTAGCCTACTCCATGTTTCATCATTCAGCTCGAGATCTGAAAGAACTACTCCAATTT
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TTTGGATTGAAGGGAGCTCTG 1 igr_sense, HASH(0x92ccb7c)

LOC_Os03g21380.1, LOC_Os01g59660.1, LOC_Os05g42240.1, LOC_Os01g59660.2, LOC_Os11g05540.1, LOC_Os01g47530.1, LOC_Os03g38210.1, LOC_Os09g36650.1, LOC_Os01g59660.3, LOC_Os05g41166.1, LOC_Os06g40330.1, LOC_Os08g15510.1, LOC_Os11g05540.2, LOC_Os01g12700.1, LOC_Os01g11430.1, LOC_Os11g36160.1, 18

1633 1920 chr01|11971:18348266-18348369:1

TTTAGCACCTATCGAACAACCGTGGTTCGACAAGGTACCTATCGAACAACCACAGTTCGA
TAGGGGTACCTGTGCGAAGTGCAGTAGTTCGACAGGTGATTTAA

CCTGTGCGAAGTGCAGTAGTTCGACAGG 0.63901 1

repeat_sense, igr_sense,

LOC_Os06g04900.1, LOC_Os11g38160.1, LOC_Os01g26340.1, LOC_Os02g30670.1, LOC_Os05g43860.1, LOC_Os10g17610.1, LOC_Os02g04070.1, LOC_Os01g36270.1, LOC_Os10g10160.1, LOC_Os01g23940.1, LOC_Os01g28700.1, LOC_Os04g02380.1, LOC_Os05g07750.1, LOC_Os12g21624.1, LOC_Os03g43390.2, LOC_Os09g03650.1, LOC_Os03g49820.1, LOC_Os09g09520.1, LOC_Os03g45130.1, LOC_Os11g15170.1, LOC_Os09g10510.1, LOC_Os04g41840.1, LOC_Os01g02610.1, LOC_Os01g63170.1, LOC_Os03g43390.1, LOC_Os06g19250.1, 203

1634 1920 chr01|11971:18348266-18348369:1

TTTAGCACCTATCGAACAACCGTGGTTCGACAAGGTACCTATCGAACAACCACAGTTCGA
TAGGGGTACCTGTGCGAAGTGCAGTAGTTCGACAGGTGATTTAA

TCGAAGTGCAGTAGTTCGACAGGT 0.54679 1 repeat_sense, igr_sense,

LOC_Os01g26340.1, LOC_Os02g30670.1, LOC_Os10g17610.1, LOC_Os02g04070.1, LOC_Os01g36270.1, LOC_Os10g10160.1, LOC_Os01g23940.1, LOC_Os01g28700.1, LOC_Os04g02380.1, LOC_Os03g49820.1, LOC_Os09g03650.1, LOC_Os03g45130.1, LOC_Os11g15170.1, LOC_Os04g41840.1, LOC_Os01g02610.1, LOC_Os01g63170.1, LOC_Os06g19250.1, 154

1663 126 chr01|11971:18805276-18805344:1

GTCCCGGTTGGTATAAACAACCGGACTAAAGATCTATTTTACTCCCGGTTGTTTATACCA
ACCGGGAC CCCGGTGTGTTTATACCAACC 0.246736 1

repeat_sense, igr_sense,

LOC_Os05g18294.4, LOC_Os12g32670.1, LOC_Os09g17360.1, LOC_Os03g26630.2, LOC_Os08g23829.1, LOC_Os04g06630.1, LOC_Os03g26630.1, 905

1768 24 chr01|11971:19875304-19875391:1

TTTTTCTAGATGGACCACTTAAGAGGTCCGCCTACGAAAATAAATGCATTTTCACTGGTGG
ATCTCTTAAGTGGTCCGCCTGGAAAAA GGATCTCTTAAGTGGTCCGCCTG 0.632312 1

repeat_sense, igr_sense,

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1807 1920 chr01|11971:20206690-20206792:1

TTTAGCACCTATCGAACAACCGTGGTTCGACAAGGTACCTATCGAACAACCACAGTTCGATAGGGTACCTGTCGAACTGCGGTAGTTCGACAGGTGATTAAA

GTGCAACTGCGGTAGTTCGACAGGT 0.492509 1repeat_sense, igr_sense, LOC_0s01g26340. 1, LOC_0s02g30670. 1, LOC_0s10g17610. 1, LOC_0s02g04070. 1, LOC_0s01g36270. 1, LOC_0s10g10160. 1, LOC_0s01g23940. 1, LOC_0s01g28700. 1, LOC_0s04g02380. 1, LOC_0s12g21624. 1, LOC_0s03g49820. 1, LOC_0s03g45130. 1, LOC_0s11g15170. 1, LOC_0s04g41840. 1, LOC_0s01g02610. 1, LOC_0s01g63170. 1, LOC_0s06g19250. 1, 192

1848 126 chr01|11971:20459901-20459970:1

GTCCCAGTTGGTGTACCAACCGGGACTAAAGATCTATTTATAGTCCCGGGTGGTAACACCAACTGGAAC TAGTCCCGGGTGGTAACACCAAC 0.565885 1

repeat_sense, igr_sense,

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2026 11654 chr01|11971:22228807-22228908:1

TCTCGTTCTTGGAGAGGCCCTTGCCGACCTTGGCGATGCGCTTGCCGGCCCTGGACCAGCGGGACGCCGCGTCTCCTGCTTGGCCTCGTCAAGAAGGAGA TTGGCCTCGTCAAGAAGGAGA

0.3419 1 cds_antisense, exon_antisense,

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2051 126 chr01|11971:22549578-22549692:1

GATGCAATAAAAACCGGGGCTAAAGATGATCTTTAGTCCCGGTTCAAAGGGTAACGGGCA

TATTTGATCTTTAGTCCCGGTAAGATCATCTTTAGTCCCGGTTCGAATGCTGTC

TCATCTTTAGTCCCGGTTTCG 0.171921 1 repeat_sense, igr_sense,
LOC_Os10g08660.1, LOC_Os06g15730.1, LOC_Os02g50650.1, LOC_Os01g38580.1, LOC_Os11g36280.1, LOC_Os05g18294.4, LOC_Os09g17360.1, LOC_Os10g01560.1, LOC_Os08g08310.1, 4704

2186 368 chr01|11971:23955599-23955704:1

CTCGGTGTTAAGTTGAGGGACCTCCGGTGAACCTATTCTTTCTTGGCAAAAGCCTGAAAT
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0.118854 1 repeat_sense, igr_sense,
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2329 1100 chr01|11971:25988554-25988641:1

GGCCTGCGTCCGACTGGTTTCCAGTCGGGGGCTCTTGAGTTGTTGCCGTTTCAGTTGTTGC
CGACTGGTTTCCAGTCGGCGGCAGGTC TGTTGCCGACTGGTTTCCAGTCGGCGGC 0.549612
1 repeat_sense, cds_antisense, exon_antisense,
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2421 126 chr01|11971:26969180-26969263:1

ATCTTTAGTCCCGTTGGTAACACCAACCGGGACTAAAGATCCATTTATAGTCCCGTTTGG
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repeat_sense, igr_sense,

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2426 11810 chr01|11971:27007176-27007316:1

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GCAGTGTTCG TCTCCCTCTGAATGCAGTGT 0.290381 1 igr_sense,
LOC_0s09g24700. 1, LOC_0s07g48780. 1, LOC_0s02g40010. 2, LOC_0s07g48780. 2, LOC_0s02g40010. 1, LOC_0s07g47810. 1, 3

2468 11819 chr01|11971:27519569-27519685:1

GCTCGTTGCACTGGCTGCACTGCAGCACAGCCAACGTTAGCCGCAAGTGATGCACGAGGA
AACAGTTGGTACTGCACGGATTGGCTATGCAGCAAGTGCAGCTACTGCACCCGAGT

CAGCAAGTGCAGCTACTGCA 0.364186 1 igr_sense,
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2499 1522 chr01|11971:27867156-27867264:1

TCGGGGGGGGGGCGCCAGCCACTCTGGCGCACTCCCTAGCCACCTCAGCATCGCCCCGCC
ACGTCGGCAGGGGACGGCGCCAGAGGGCTGGCACTGTCCTGTTGGA

AGAGAGGCTGGCACTGTCCT 0.42921 1 repeat_sense, igr_sense,
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2502 11832 chr01|11971:27883360-27883434:1

GCATGCTGCTGTTGTTGCCACCGTGGCCGCCGCCGACGCCGTCGTTATGGTGGTGTTC
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cds_antisense, exon_antisense,
LOC_0s08g34380. 1, LOC_0s10g42490. 2, LOC_0s03g17700. 1, LOC_0s06g50510. 1, LOC_0s11g11460. 1, LOC_0s10g32720. 1, LOC_0s01g13340. 1, LOC_0s01g20930. 1, LOC_0s02g30100. 1, LOC_0s06g50724. 1, LOC_0s12g18960. 2, LOC_0s11g36200. 1, LOC_0s02g43670. 1, LOC_0s03g43040. 1, LOC_0s01g41970. 1, LOC_0s11g01290. 1, LOC_0s05g51620. 1, LOC_0s03g04490. 1, LOC_0s08g30100. 1, LOC_0s12g23350. 1, LOC_0s01g03950. 1, LOC_0s01g22230. 1, LOC_0s08g15630. 1, LOC_0s03g58050. 1, LOC_0s06g43330. 1, LOC_0s07g49360. 1, LOC_0s08g19590. 1, LOC_0s05g51620. 2, LOC_0s01g16970. 2, LOC_0s09g33610. 1, LOC_0s01g48310. 1, LOC_0s02g24010. 1, LOC_0s10g32990. 1, LOC_0s12g12880. 1, LOC_0s06g50560. 1, LOC_0s01g54080. 1, LOC_0s05g06980. 1, LOC_0s11g36200. 2, LOC_0s01g10320. 1, LOC_0s11g01550. 1, LOC_0s11g05870. 1, LOC_0s04g54930. 1, LOC_0s02g49650. 1, LOC_0s01g46220. 1, LOC_0s05g27920. 1, LOC_0s11g47800. 1, LOC_0s12g01550. 1, LOC_0s09g27950. 1, LOC_0s04g209

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2523 796 chr01|11971:28185891-28185988:1

GTATCGCGTGATACTCGCGAGGTATCATGTGAAACCTATCAGGTACCAGACAATTTCAACC
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0.078479 1 exon_sense, repeat_sense, cds_sense,

LOC_Os11g09050. 1, LOC_Os11g03180. 1, LOC_Os12g22470. 1, LOC_Os10g36229. 1, L
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_Os01g46950. 1, LOC_Os02g50410. 1, LOC_Os07g36510. 1, 276

2537 3222 chr01|11971:28353681-28353800:1

ACTAGGTCTGGTATCCAATAGGTATCATGTTTGGTACTCACCTGACATGTGGGTTTAAGCC
TGTTACCACATAGTACTACATAGTTTCAGACATGGTACCTGTAGGTACCAGTAACAAGT

CATGGTACCTGTAGGTACCAG 0.937907 1 igr_sense,

LOC_Os04g46870. 1, LOC_Os12g01570. 1, LOC_Os12g41490. 1, LOC_Os03g50490. 1, L
OC_Os01g45010. 1, LOC_Os02g50620. 1, LOC_Os11g01590. 1, LOC_Os08g16110. 1,

54

2597 796 chr01|11971:29268796-29268889:1

ATCACCTGATACCTGGTAGGTATCATTCGATACCTCGCAAATATCATGCGATTCATGGTAG
AAATCGTTTGATACCTGATAGGTATCACATGAT TGATACCTGATAGGTATCACA 0.370933

1 repeat_sense, igr_sense,

LOC_Os11g09050. 1, LOC_Os05g09720. 1, LOC_Os08g28070. 1, LOC_Os03g40080. 1, L
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C_Os01g48580. 1, LOC_Os08g33030. 1, LOC_Os03g11940. 1, LOC_Os08g34920. 1, LOC
_Os08g36830. 1, LOC_Os10g31970. 1, LOC_Os07g36510. 1, 545

2598 796 chr01|11971:29268796-29268952:1

ATCACCTGATACCTGGTAGGTATCATTCGATACCTCGCAAATATCATGCGATTCATGGTAG
AAATCGTTTGATACCTGATAGGTATCACATGATACCTCGCGAGTATCAAGCGATACGTGGTAGAAATTG
TCTGATACCTAACAGGTATCACATGAT TCTGATACCTAACAGGTATCAC 0.135378 1

repeat_sense, igr_sense,

LOC_Os02g26900. 1, LOC_Os11g09050. 1, LOC_Os12g22470. 1, LOC_Os08g28070. 1, L
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2743 126 chr01|11971:31193576-31193659:1

TCTTTAGTCCCGATTGGTGTATCAACCGGGATTAAAGATTCCTCTCTTTTTTCCCGTTG
GTAACACCAACCGGGACTAAAGA GGTGTTAACACCAACCGGGA 0.366245 1

repeat_sense, igr_sense,

LOC_0s08g13430. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, LOC_0s06g22430. 1, LOC_0s08g23829. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, 5230

2776 456 chr01|11971:31588523-31588647:1

GGAAACTACCATTGGATCGAGAAATGGACGTCCGAAATTCGTCCACGTCACCATAAATTA
AATACAACTCATAGTGATGTGGACAAATCTCGGACGTCTATTTCTCGATCCAACGATAGTTTC

TCTCGGACGTCTATTTCTCGATCCAAC 0.283977 1

repeat_sense, igr_sense,

LOC_0s12g37250. 1, LOC_0s09g12610. 1, LOC_0s10g20220. 1, LOC_0s07g35870. 2, LOC_0s03g15780. 5, LOC_0s02g49040. 1, LOC_0s07g03030. 1, LOC_0s08g15100. 1, LOC_0s11g36600. 1, LOC_0s12g29690. 1, LOC_0s06g46510. 1, LOC_0s12g29710. 1, LOC_0s04g52130. 1, LOC_0s07g35870. 1, 215

2814 314 chr01|11971:31952513-31952595:1

GCTGGTCTATTTGGGGGAGCTTCTAGCAGCTGCAGCTTATCCAAGAATATCCAGTTGCTAG
AAGCTCACCCAAACAGCTCAGC TGCTAGAAGCTCACCCAAACAG 0.829344 1

repeat_sense, igr_sense,

LOC_0s08g13650. 1, LOC_0s03g31800. 1, LOC_0s01g47340. 2, LOC_0s02g18930. 1, LOC_0s07g47194. 3, LOC_0s05g40880. 1, LOC_0s11g45920. 1, LOC_0s05g03490. 1, LOC_0s02g38480. 1, LOC_0s01g35160. 2, LOC_0s06g38760. 1, LOC_0s11g47410. 1, LOC_0s11g34170. 1, LOC_0s06g30300. 1, LOC_0s02g11970. 2, LOC_0s11g11990. 1, LOC_0s08g13080. 1, LOC_0s07g02990. 1, LOC_0s01g35160. 1, LOC_0s09g18000. 1, LOC_0s02g11970. 1, LOC_0s02g21090. 3, 373

2822 314 chr01|11971:31985382-31985456:1

GGCGGGCCTGTTTGGCACAGCTCTAGCTCTACTTCCATTCTTTCTGGAGCTGGAGCTCAGC
CAAACAGCTCCACC AGCTGGAGCTCAGCCAAACAG 0.590835 1

repeat_sense, igr_sense,

LOC_0s01g67810. 1, LOC_0s08g05040. 1, LOC_0s02g18930. 1, LOC_0s04g52880. 1, LOC_0s12g37210. 1, LOC_0s02g08410. 1, LOC_0s10g37530. 1, LOC_0s12g13640. 1, LOC_0s01g33204. 1, LOC_0s03g63590. 1, LOC_0s07g30210. 1, LOC_0s02g06350. 1, LOC_0s11g03720. 1, LOC_0s05g07650. 1, LOC_0s08g25420. 1, LOC_0s11g16640. 1, LOC_0s07g22120. 1, LOC_0s10g08990. 1, LOC_0s01g08260. 2, LOC_0s07g02990. 1, LOC_0s10g05300. 1, LOC_0s08g43000. 1, LOC_0s10g31910. 1, LOC_0s11g24990. 1, LOC_0s04g25400. 1, 977

2855 48 osa-MIR441c chr01|11971:32522492-32522645:1

TACTTCTCTGTTTCATAATGTAAGTCATTTTAGCATTTTTCATATTTATATTGATGGTAA
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TTACATTGTGAAACGGAGGAAGTA TACCATCAATATAAATGTGGGAAA 1

repeat_sense, igr_sense,

LOC_0s04g02640. 1, LOC_0s02g38392. 1, LOC_0s08g04920. 1, LOC_0s04g35260. 2, LOC_0s12g18960. 2, LOC_0s05g51140. 1, LOC_0s02g46450. 1, LOC_0s05g41190. 1, LOC_0s10g39520. 1, LOC_0s08g04300. 1, LOC_0s12g18729. 5, LOC_0s03g50070. 1, LOC_0s08g23870. 1, LOC_0s09g09820. 1, LOC_0s10g33700. 2, LOC_0s02g17940. 5, LOC_0s11g31450. 1, LOC_0s08g36840. 1, LOC_0s08g36840. 2, LOC_0s02g44990. 1, LOC_0s09g28180. 1, LOC_0s03g52010. 1, LOC_0s01g68230. 1, LOC_0s12g18729. 1, LOC_0s02g17940. 1, LOC_0s02g45650. 1, LOC_0s12g32610. 1, LOC_0s01g47680. 1, LOC_0s12g18729. 2, LOC_0s12g18729. 6, LOC_0s10g04580. 1, LOC_0s12g37480. 1, LOC_0s09g31506. 1, LOC_0s06g43980. 1, LOC_0s04g38450. 1, LOC_0s09g27500. 1, LOC_0s02g17940. 4, LOC_0s06g19990. 1, LOC_0s05g43650. 1, LOC_0s02g48620. 1, LOC_0s06g17390. 1, LOC_0s01g68230. 2, LOC_0s01g31180. 1, LOC_0s02g43560. 1, LOC_0s04g54002. 1, LOC_0s08g04920. 3, LOC_0s03g44200. 1, LOC_0s05g03574. 1, LOC_0s01g34620. 7, LOC_0s08g19114. 1, LOC_0s06g45360. 1, LOC_0s03g40600. 1, LOC_0s06g19990. 2, LOC_0s10g33700. 1, LOC_0s12g18729. 3, LOC_0s08g06500. 1, LOC_0s03g31530. 1, LOC_0s10g15164. 1, LOC_0s09g11339. 1, LOC_0s02g17940. 3, LOC_0s07g41060. 1, LOC_0s08g04920. 4, LOC_0s06g23274. 1, LOC_0s12g18729. 4, LOC_0s04g02620. 1, LOC_0s10g04580. 2, LOC_0s07g43350. 1, LOC_0s12g37510. 1, LOC_0s02g17940. 2, LOC_0s02g48620. 2, LOC_0s12g02440. 2, 2644

2871 48 chr01|11971:32662066-32662168:1

AGTCAAGTACTTCTTCGTTTCGCAATGTAAGTCATTCTAGCATTTCCACATTCATATTG
ATGTTAATGACTTACATTGTGAAACGGAGGGAGTAGTATACT

CTTACATTGTGAAACGGAGGGAGTAG 0.704454 1

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3232 436 chr01|11971:37666740-37666816:1

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 6180 126 chr02|11972:17731938-17732018:1
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 6673 436 chr02|11972:21473460-21473604:1
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 6802 2280 chr02|11972:22387460-22387640:1
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AGGTATCATCCCGTCTGAACG 0.584432 1 repeat_sense, igr_sense,
LOC_0s08g35130.1, LOC_0s03g55370.1, LOC_0s02g38840.2, LOC_0s02g38840.1, L
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6991 9728 osa-MIR162a chr02|11972:23599930-23600100:1

GGTGATGCCTGGGCGCAGTGGTTTATCGATCCCTTCCCTGCCTTGTGGCGCTGATCCAGGA
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1 igr_sense, HASH(0x998ea40)

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OC_0s12g11190.1, LOC_0s05g03000.1, LOC_0s01g13300.1, LOC_0s03g01090.1, L
C_0s07g24400.1, 3

7333 654 osa-MIR166d chr02|11972:26124192-26124312:1

AGCTTTTTCACTTTGAGGGGAATGTTGTCTGGCTCGAGGTGCATGGAGAAACCTCTGATCG
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TCGGACCAGGCTTCATTCCCC 1 igr_sense, HASH(0x9a0056c)
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C_0s09g06140.1, LOC_0s03g35380.1, LOC_0s03g43930.1, LOC_0s03g10290.1, LOC
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0s10g33960.1, LOC_0s11g28230.1, LOC_0s12g41860.1, LOC_0s05g17650.1, LOC_
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07g08900.1, LOC_0s03g34270.1, LOC_0s06g40000.1, LOC_0s03g01890.2, LOC_0s0
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8052 126 chr02|11972:31355089-31355170:1

ATCCATCTTTAGACCCGGTTGATAACAACAACCGGACTAAAAAACCGGTTGTTGTTACC
AACCGGGACTAAAGAGAGGGT TTACCAACCGGGACTAAAGA 0.560874 1

repeat_sense, igr_sense,
LOC_0s01g27070.1, LOC_0s04g28650.1, LOC_0s05g09210.1, LOC_0s09g03939.1, L
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8709 1920 chr03|11973:666962-667122:1

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GTTGAACTGCCCCGTTCGACAGGGGGCTGT GAACTGCCCCGTTCGACAGGG

0.149511 1 repeat_sense, cds_antisense, exon_antisense,
LOC_0s07g25740.1, LOC_0s10g39840.1, LOC_0s02g47210.1, LOC_0s11g15170.1, L
OC_0s05g16910.1, LOC_0s04g47180.1, LOC_0s02g30670.1, LOC_0s04g47180.2, L

C_0s03g02130.1, LOC_0s04g02380.1, LOC_0s01g42060.1, LOC_0s04g41840.1, 176

8718 654 osa-MIR166e chr03|11973:744068-744206:1
TTGTTTCTGGGTGGAATGTTGTCTGGTTCAAGCCCCCTTAGGATGTGTGATTTTGTATGGT
TTATGCATTATCTTGATGCGAACATCTATCTCGGATCTTTGGGTCTCGAACCAGGCTTCATCCCCCT
CAGAGATAG TCGAACCAGGCTTCATCCCCCT 0.773257 1 igr_sense,
LOC_0s01g12390.1, LOC_0s04g48290.1, LOC_0s07g33120.1, LOC_0s12g43900.1, L
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s02g45380.1, 17

8799 6716 osa-MIR171e chr03|11973:1949599-1949714:1
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TGATTGAGCCGTGCCAATATC 1 utr_antisense, exon_antisense,
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LOC_0s04g46860.1, LOC_0s03g04300.1, LOC_0s08g22330.1, LOC_0s10g40390.1, L
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C_0s02g44370.1, 13

8839 314 chr03|11973:2681443-2681519:1
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GTGCCAAACGAGACCT GAGCTGGAGCTGTGCCAAACG 0.447203 1
repeat_sense, igr_sense,
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8891 6834 chr03|11973:3326786-3326882:1
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8898 654 osa-MIR166c chr03|11973:3466908-3467009:1

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0.758887 1 igr_sense, HASH(0x9af7d1c)

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9012 126 chr03|11973:5176650-5176737:1

TGATTTTTATTCCCGGTTAGTAACACCAACCGGGACTAAAAACCTATTTTATGTCCTCGGTT
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repeat_sense, igr_sense,

LOC_Os05g09210. 1, LOC_Os09g03939. 1, LOC_Os01g20950. 1, LOC_Os12g06960. 1, LOC_Os08g45200. 1, LOC_Os08g23829. 1, LOC_Os06g32290. 1, LOC_Os12g13480. 1, LOC_Os09g03939. 2, LOC_Os04g06630. 1, LOC_Os11g06630. 1, LOC_Os07g13090. 1, LOC_Os01g28080. 1, LOC_Os04g37420. 1, LOC_Os12g40960. 1, LOC_Os03g43080. 1, 4060

9075 14951 chr03|11973:6431244-6431396:1

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TCGTTGGTGTCATGAAGGTATTA GATACCTCGTTGGTGTCATG 0.394608 1
igr_sense, LOC_Os07g44770. 1, LOC_Os04g53050. 1, 3

9082 1326 chr03|11973:6531329-6531408:1
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CGGATGGCTTGGCTATACG TTTGGCCAGCCGGATGGCTTGGC 0.477559 1
igr_sense,
LOC_Os01g64660.1, LOC_Os07g31970.1, LOC_Os08g07900.1, LOC_Os01g14110.1, L
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9172 3200 chr03|11973:8140262-8140359:1
GGGATTTTCGCATGCGGTTGGGCCGCCGCATGCGAAAAGGGTGATTTTACAGACCTTCT
CTCCCATGCGGTTGCCCCAACCGCATGCAAAGATGCC CATGCGGTTGCCCCAACCGCATG
0.283108 1 repeat_sense, igr_sense,
LOC_Os03g26500.1, LOC_Os06g36380.1, LOC_Os06g49290.1, LOC_Os10g23320.1, L
OC_Os10g09750.1, LOC_Os04g47320.1, 68
9315 436 chr03|11973:10337952-10338034:1
GAGATGGTGTGTTGGCGCCGACGACGTGGGCGTTGCCGTATGGGACGAGGCGGAGGTCGA
CGGCGTCGACGATCCCGTCCTC GGTGACGGCGTCGACGATCCC 0.106829 1
cds_antisense, exon_antisense,
LOC_Os06g11260.1, LOC_Os10g18150.1, LOC_Os03g41130.1, LOC_Os11g38160.1, L
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3g39520.1, LOC_Os02g09690.1, LOC_Os03g04560.1, LOC_Os08g10570.1, LOC_Os04
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9338 24 chr03|11973:10763637-10763749:1

GCTCGAAGCTATTCTCGCAGGCGGACCTGGCGCACGCCTGCGAAAATCAACTATTTTCGCA
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GGCTTGTCCGCCTGCGAAAATA 0.333881 1 repeat_sense, igr_sense,
LOC_0s09g11000.1, LOC_0s09g01770.1, LOC_0s03g38780.1, LOC_0s10g20970.1, LOC_0s01g29860.1, LOC_0s06g13520.1, LOC_0s12g43850.1, LOC_0s08g11450.1, LOC_0s06g34290.1, LOC_0s04g54564.1, 324

9373 796 chr03|11973:11323831-11323926:1

ATCGTCTGATACCTTACAGGTATCACATGATACTTTGCAAGTATCACCTGAAACGTGTGTA
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1 repeat_sense, igr_sense,

LOC_0s11g09050.1, LOC_0s08g28070.1, LOC_0s02g32920.1, LOC_0s03g40080.1, LOC_0s04g38990.1, LOC_0s01g62380.1, LOC_0s10g36229.1, LOC_0s02g38840.2, LOC_0s01g48580.1, LOC_0s02g38840.1, LOC_0s08g33030.1, LOC_0s03g11940.1, LOC_0s08g34920.1, LOC_0s04g33230.1, LOC_0s06g34700.1, LOC_0s08g36830.1, LOC_0s08g37360.1, LOC_0s10g31970.1, LOC_0s07g49210.1, LOC_0s07g36510.1, 632

9374 944 chr03|11973:11368700-11368830:1

CGCCTACACGGCTGGCCTATTATGCCGCCGTTGTTGGGCGTCTACGTCTTCACTGACCGGC
TTGCCTTTGCCGCCGCCGACTGGTGTCTCCGCCTACACGGCTGGCCTATTATGCCACCGTCTGTTGGGC
G CACGGCTGGCCTATTATGCCACCGT 0.435611 1repeat_sense, igr_sense,

LOC_0s02g26830.1, LOC_0s10g25120.1, LOC_0s07g17730.1, LOC_0s07g40330.1, LOC_0s01g16870.1, LOC_0s12g43220.1, LOC_0s09g26750.1, LOC_0s06g31780.1, LOC_0s09g23990.1, LOC_0s09g18580.1, LOC_0s12g27860.1, LOC_0s06g25330.1, LOC_0s05g34510.1, LOC_0s11g11320.1, LOC_0s08g15830.1, LOC_0s05g19930.1, LOC_0s03g45500.1, LOC_0s06g35440.1, LOC_0s06g36600.1, LOC_0s10g24310.1, LOC_0s08g10950.1, LOC_0s02g54320.1, LOC_0s07g05920.1, LOC_0s07g16100.1, LOC_0s08g17800.1, LOC_0s02g21180.1, LOC_0s04g10040.1, LOC_0s12g25920.1, LOC_0s04g04380.1, LOC_0s01g15360.1, LOC_0s08g17540.1, LOC_0s02g29750.1, LOC_0s05g23070.1, LOC_0s12g10150.1, LOC_0s08g08510.1, LOC_0s09g04780.1, LOC_0s04g20570.1, LOC_0s03g39080.1, LOC_0s02g42770.1, LOC_0s08g14380.1, LOC_0s11g20070.1, LOC_0s07g36070.1, LOC_0s03g37440.1, LOC_0s02g45220.1, LOC_0s04g13410.1, LOC_0s01g23340.1, LOC_0s08g02310.1, LOC_0s04g08796.1, LOC_0s01g38080.1, LOC_0s05g26540.1, LOC_0s07g35250.1, 6096

9524 1920 osa-MIR439d chr03|11973:13677148-13677240:1

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repeat_sense, igr_sense,
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9532 15123 chr03|11973:13747398-13747503:1

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GAAGGGAGAGGAGGAAGACTTGATCAAGTCCCCCTATCTCACTGC GAAGACTTGATCAAGTCCCCCTA
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 LOC_Os11g04800.1, LOC_Os03g54200.2, LOC_Os03g24210.1, LOC_Os03g54820.1, L
 OC_Os03g54200.1, 8
 9565 1954 chr03|11973:14211280-14211374:1
 GATACCTAGGTATCCGGCCTGGTACCTGGTATCTGGGTATCATGGTTAGGTGTCAGACCTG
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9699 15175 chr03|11973:15847884-15847981:1

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0.0545689 1 igr_sense,

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9744 15185 chr03|11973:16458616-16458753:1

CTCGATGACAAGTTGAGGGACCTTCGGTGTACTTTTTCCAATGGATGTGACGGATGTGTAA
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TCGGCGAG TTCGGTCCCTCAAGTTGTC 0.441186 1

repeat_sense, igr_sense,

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9756 126 chr03|11973:16707019-16707111:1

TCCCGGTTGGTGTTACCAACCGGGGAAAAAGATCAATATAAACTTTACTCCCGGTTGATTA
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0.277108 1 intron_antisense, repeat_sense,

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9758 126 chr03|11973:16707708-16707797:1

CCTCTTTAGTACCGGTTGGTGTTACCAACCGGGACTAAAGATACTCTATCTTTAGTCCCGA
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1 intron_antisense, repeat_sense,

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9770 126 chr03|11973:16886591-16886678:1

TGATTTTTATTCTGGTTGGAGTTACCAACCAGGACTAAAGATCTAACTTTATCCCGGTT
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repeat_sense, igr_sense,

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9787 126 chr03|11973:17101487-17101622:1

GATGCAATAAAAACCGGGGCTAAAGATGATCTTTAGTCCCGGTTCAAAGGGGTAACGGGCA
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GCTGTC CATCTTTAGTCCCGGTTCTGA 0.459346 1 repeat_sense, igr_sense,
LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s02g55890.1, LOC_0s01g38580.1, LOC_0s10g01560.1, 2291

9868 314 chr03|11973:18143689-18143775:1

GAAGGGCCTGTTTGGGGAGCTTCTAGCAGCTGCAGCTTCTCCTAGAATCTCAGTTGCTAGA
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repeat_sense, cds_antisense, exon_antisense,

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9870 15230 osa-MIR435 chr03|11973:18164360-18164471:1

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TTATCCGGTATTGGAGTTGA 1 repeat_sense, igr_sense,
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9898 750 chr03|11973:18509548-18509626:1

AGTAGCCGGTTTGACCGGGGCGGTCTGACCGCTTATGAACCGCCGGTCTGACCGGTGTC
CGGTCTGACCGAGGCACT GGTCTGACCGGTGTCCGGTCTGACCG 0.522754 1
repeat_sense, igr_sense,

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 9948 3850 chr03|11973:19287421-19287506:1
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 9961 15248 chr03|11973:19500854-19501014:1
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 _Os08g23829.1, LOC_Os06g32290.1, LOC_Os11g06630.1, LOC_Os04g37420.1,
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 intron_antisense, repeat_sense,
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 OC_Os07g44090.1, LOC_Os07g30980.1, LOC_Os06g43280.1, LOC_Os02g26984.1, L
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 _Os10g32730.2, 127
 10035 72 chr03|11973:20884469-20884564:1
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 1 repeat_sense, igr_sense,
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 10041 126 chr03|11973:20969128-20969213:1
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 GTGTTACAAACCGGGACTAAAGATC GGTGTTACAAACCGGGACTA 0.56134 1
 repeat_sense, intron_sense,
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 OC_Os04g27010.1, LOC_Os12g13480.1, LOC_Os09g03939.2, LOC_Os04g06630.1, L
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 intron_antisense, repeat_sense,
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 LOC_Os08g25670. 1, LOC_Os10g23030. 1, LOC_Os04g01330. 1, LOC_Os11g25600. 1, L
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 GATACTTTTT AAGTACCGGTACCTCGAGATA 0.832387 1
 intron_antisense, repeat_sense,
 LOC_Os02g45460. 1, LOC_Os08g42490. 1, LOC_Os09g32100. 1, LOC_Os03g10880. 1, L
 OC_Os01g02550. 1, LOC_Os01g43490. 1, LOC_Os08g41720. 1, LOC_Os11g30020. 1, L
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 10232 126 chr03|11973:24018551-24018642:1
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 _Os10g01560. 1, LOC_Os08g27180. 1, 13890
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10398 588 chr03|11973:25831756-25831828:1
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10402 126 chr03|11973:25850552-25850635:1
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repeat_sense, igr_sense,
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10403 126 chr03|11973:25850552-25850635:1
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10413 126 chr03|11973:25912335-25912418:1
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TAACACTAACCGGACTAAAGAT TCCCGTTGGTAACACTAACCGG 0.287806 1
repeat_sense, igr_sense,
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10414 14 chr03|11973:25920648-25920767:1
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10436 126 chr03|11973:26280825-26280906:1

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intron_antisense, repeat_sense,

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10439 126 chr03|11973:26283703-26283786:1

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repeat_sense, igr_sense,

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 10611 436 chr03|11973:29472372-29472500:1
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 TCGTCGTCATCGCCATTGCCGCTG 0.0495775 1
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12921 6308 chr04|11974:13827705-13827864:1

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repeat_sense, igr_sense, LOC_Os01g52170. 1, LOC_Os04g09800. 1, 15
13104 126 chr04|11974:15166995-15167081:1

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13252 5614 chr04|11974:16493915-16493981:1

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13331 16252 chr04|11974:17181402-17181466:1

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13350 16258 osa-MIR416 chr04|11974:17268776-17268884:1

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13623 368 chr04|11974:20101182-20101315:1

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13694 588 chr04|11974:21073961-21074051:1

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repeat_sense, igr_sense, intron_sense,

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13786 1522 chr04|11974:21916663-21916747:1

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repeat_sense, igr_sense,

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13810 186 chr04|11974:22178112-22178235:1

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intron_antisense, repeat_sense,

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13866 126 chr04|11974:22707976-22708060:1

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cds_antisense, exon_antisense,

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14342 404 chr04|11974:27569584-27569668:1

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repeat_sense, igr_sense,

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14362 16690 chr04|11974:27877447-27877527:1

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14399 6716 osa-MIR171h chr04|11974:28263353-28263441:1

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14441 1080 osa-MIR399j chr04|11974:28654020-28654128:1

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14541 126 chr04|11974:29534198-29534281:1

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14838 16883 chr04|11974:32469561-32469655:1
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15202 48 chr05|11975:568557-568634:1

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15278 1384 chr05|11975:1383984-1384129:1

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repeat_sense, igr_sense,

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15360 17089 chr05|11975:2326960-2327069:1

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15454 2204 chr05|11975:3536348-3536471:1

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15503 436 chr05|11975:4020500-4020650:1

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repeat_sense, cds_antisense, exon_antisense,
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15568 17147 chr05|11975:4600701-4600840:1

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GGTGTGCGGAG CCTGTGACGTTGGTGAAGGTG 0.0800755 1

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15575 8220 chr05|11975:4667767-4667853:1

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repeat_sense, igr_sense, LOC_Os04g58250. 1, LOC_Os06g41390. 4, 53

15601 9450 chr05|11975:4898706-4898775:1

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exon_sense, repeat_sense, cds_sense,

LOC_Os08g29854. 1, LOC_Os12g04610. 1, LOC_Os01g08190. 1, LOC_Os01g08190. 2, LOC_Os09g24370. 1, LOC_Os12g36330. 1, LOC_Os09g30130. 1, LOC_Os01g08190. 4, LOC_Os05g08890. 1, LOC_Os01g08190. 5, LOC_Os06g39530. 1, LOC_Os01g14520. 1, LOC_Os01g51130. 1, LOC_Os01g08190. 3, 57

15640 17162 chr05|11975:5236249-5236374:1

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CCTGGTTGGCATGGCCAAAA 0.600835 1 intron_antisense,

LOC_Os03g60610. 1, LOC_Os01g26039. 1, LOC_Os06g11830. 1, LOC_Os03g60610. 2, LOC_Os07g15340. 1, 9

15890 314 chr05|11975:7792933-7793006:1

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 15940 24 chr05|11975:8415721-8415827:1
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 15992 17276 chr05|11975:8954200-8954296:1
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 16002 5698 chr05|11975:9063273-9063348:1
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 TCCGGACCTTTTGCCAAAGCTGCCAGGAAGTTCCGGAC 0.80981 1
 repeat_sense, intron_sense,
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 16042 7658 chr05|11975:9608380-9608474:1
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 1 repeat_sense, cds_antisense, exon_antisense,
 LOC_Os06g05190.1, LOC_Os03g45130.1, LOC_Os01g28700.1, LOC_Os04g41840.1, LOC_Os01g63170.1, LOC_Os05g16910.1, LOC_Os03g02130.1, LOC_Os02g30670.1, 100
 16098 464 chr05|11975:10387724-10387811:1
 TGTTTCACCTAGGACGAGGAAATGGCATCCTATTACCAGCCATCACACGAAATTAATAGGA
 TGCCATGTCCTCATCCTATATGAAACA GGATGCCATGTCCTCATCCTA 1.17893 1

repeat_sense, igr_sense,
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 16106 126 chr05|11975:10522456-10522559:1
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 TCTCGGTTGGTATTACCAACCGGGA 0.408809 1
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 16132 126 chr05|11975:10800802-10800888:1
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16495 614 chr05|11975:14775007-14775074:1

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16566 126 chr05|11975:15412011-15412128:1

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16574 126 chr05|11975:15464852-15464989:1

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16593 796 chr05|11975:15630146-15630286:1

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repeat_sense, igr_sense,
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16603 126 chr05|11975:15751842-15751923:1

CTTTAGTCCTGGTTGGTAACACCAACCGAGACTAAAGATCATAACTTTAGTCCCGGTTGGT
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 16604 126 chr05|11975:15751842-15751923:1
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 16885 126 chr05|11975:18868958-18869042:1
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 16902 100 chr05|11975:19132323-19132476:1
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 16913 8280 chr05|11975:19306208-19306294:1
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 LOC_Os04g01400.1, LOC_Os01g19460.1, LOC_Os04g01540.1, LOC_Os08g36120.1, LOC_Os01g66910.1, LOC_Os12g04030.1, 487
 16931 314 chr05|11975:19467951-19468033:1
 GGAGCTAAGGGCCTGTTTGGCACAGCTCTAGCTCCAACCTCCACCCCTCCTGGAGCTGGAGC

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17006 48 chr05|11975:20192951-20193079:1
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17008 456 chr05|11975:20196853-20197000:1
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intron_antisense, repeat_sense, igr_sense,
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17021 126 chr05|11975:20323178-20323262:1
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 17051 1954 chr05|11975:20605867-20605946:1
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 CTGATACCTGATAGGTATC AGGTATCAGCTGATACCTGATA 0.537224 1
 intron_antisense, repeat_sense,
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 17160 17583 chr05|11975:21734825-21734938:1
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 repeat_sense, igr_sense,
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 17219 436 chr05|11975:22459343-22459435:1
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 1 repeat_sense, igr_sense,

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17247 1346 chr05|11975:22775799-22775954:1

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17322 2184 chr05|11975:23456372-23456460:1

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repeat_sense, igr_sense,

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17366 1944 chr05|11975:23961950-23962037:1

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17434 5614 chr05|11975:24702590-24702658:1

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repeat_sense, igr_sense,

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17441 17683 chr05|11975:24768726-24768825:1

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17458 436 chr05|11975:24900509-24900659:1

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repeat_sense, cds_antisense, exon_antisense,
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17518 964 chr05|11975:25448874-25449011:1
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17526 1100 chr05|11975:25519792-25519879:1
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17589 1080 osa-MIR399h chr05|11975:26224675-26224767:1

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0.356595 1 igr_sense, HASH(0xb62c008)

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17590 1080 osa-MIR399k chr05|11975:26227989-26228094:1

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1 utr_antisense, exon_antisense, HASH(0xb422a4c)

LOC_Os05g45350. 2, LOC_Os09g39240. 1, LOC_Os10g31864. 1, LOC_Os11g09160. 1, LOC_Os07g30190. 1, LOC_Os05g48390. 1, 10

17598 48 chr05|11975:26277482-26277569:1

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 17681 748 chr05|11975:27283390-27283522:1
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 TGA ATTGGACCGGAGCAAATCTCTTGC 0.486814 1
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 ACCTGATAGGTATCAGACCTGATACCTACTCGGG ATAGGTATCAGACCTGATACC 0.297349
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18001 1080 osa-MIR399d chr06|11976:1560790-1561075:1
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23

18018 17901 chr06|11976:1785562-1785706:1
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CGTCCTTCAAACCA GCCACATCAGCGAAACCGTCC 0.517714 1
repeat_sense, igr_sense,
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18133 6016 chr06|11976:3168013-3168152:1
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CTGCCGGCTT CCTCTCTTCGCGAACGTCACCTGCCG 0.395927 1
cds_antisense, exon_antisense,
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36

18196 48 chr06|11976:3858743-3858856:1
TTCACAATGTAAACTTTCTAGCATTGCGCACATATATCTAGACATATGTATGTATTTAGA
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repeat_sense, intron_sense,
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18202 48 chr06|11976:3896803-3896908:1

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0.254609 1 repeat_sense, intron_sense,

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18210 17971 chr06|11976:3995345-3995418:1

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18279 126 chr06|11976:4566815-4566946:1

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AT AGTCCCGGTTGATAACACCAACCGG 0.134238 1 repeat_sense, igr_sense,
LOC_0s07g09850. 1, LOC_0s06g22430. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s05g18294. 4, LOC_0s05g30000. 1, LOC_0s08g13430. 1, LOC_0s08g23829. 1, LOC_0s10g09920. 1, LOC_0s02g17180. 1, 4628

18327 436 chr06|11976:4992148-4992283:1

GGGCCACAAGTAGCGCCCGTCACAGATGACCCTTATCTGTGACGGGCATTAAGTATGGCCC
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LOC_0s04g25720. 1, LOC_0s11g20580. 1, LOC_0s01g39399. 1, LOC_0s11g35540. 1, 1295

18341 614 chr06|11976:5102812-5102875:1

GACTTTGTGTCACCTACATGTGGGTCTATCTACTATAGGCCACATGTCAGTGACACAAA
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18389 126 chr06|11976:5549932-5550017:1

GATTTTTATTCTGTTAGTAATACCAACCGGGACTAAAGTTAGATCTTTAGTCTCGGTTG
GTGTTACAAACCGGGACCAAGATC CGGTTGGTGTACAAACCGGGA 0.521169 1

repeat_sense, igr_sense,

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18416 126 chr06|11976:5741022-5741126:1

GATCTTTAATCCCAGTTCGTAACACCAACCGGGACTAAAGATCACCAACAGGGACTAAAGAT
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0.639494 1 repeat_sense, igr_sense,

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18568 126 chr06|11976:7277494-7277610:1

CAATAGTCCCGTTACAATAAAAACTGGGACTAAAGATGGTTTTAGTTCGGTTTATAAG
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AGTCCCGGTTGGTAACACTAACCGGGA 1.01801 0

repeat_sense, intron_sense,

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4786

18646 1100 chr06|11976:8218314-8218401:1

GACCTACATCCGACTGGTTTCCAGTCGGGGGCTCTTGGGTTGTTGCAGTTTCAGTAGCTGC
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1 repeat_sense, cds_antisense, exon_antisense,

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18667 126 chr06|11976:8454217-8454308:1

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1 repeat_sense, igr_sense,

LOC_Os05g48240. 2, LOC_Os06g22430. 1, LOC_Os07g14430. 1, LOC_Os09g17360. 1, L
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6447

18921 7658 chr06|11976:10899053-10899154:1

AACGGGTGCAGTTCGATAGGGCGCCTATCGAACGCCAGAGCGCGACTGGCGAGGAGATCG
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GCCGTTCGACAGGACCTGTCTGAAC 0.794898 1 repeat_sense, igr_sense,
LOC_Os03g45130. 1, LOC_Os11g22940. 1, LOC_Os04g48130. 1, LOC_Os01g28700. 1, L
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19010 48 osa-MIR446 chr06|11976:11975955-11976116:1
TATGTACTTCCTTTGTTTCACAGTGTAAAGTCATTATAAAATTTCCCACATTTATATTGATG
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TAACTTACATTGTGAAACGGAGGGAGTATATA CATCAATATGAATATGGGAAATGG 1

repeat_sense, igr_sense,
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19084 796 chr06|11976:12694354-12694502:1
AGGTATCGGGTTCTGATACCTAACATGTATCATGCGTTTCTACCACATATCATGTGATACT
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repeat_sense, igr_sense,
LOC_Os05g09720.1, LOC_Os11g03180.1, LOC_Os04g38990.1, LOC_Os09g31442.1, LOC_Os05g39550.1, LOC_Os05g43110.1, LOC_Os01g58980.1, LOC_Os07g36510.1, LOC_Os05g39390.1, LOC_Os01g15790.1, LOC_Os01g15790.2, LOC_Os01g49750.1, LOC_Os03g44910.1, LOC_Os05g16210.1, LOC_Os08g37360.1, LOC_Os02g50410.1, LOC_Os11g09050.1, LOC_Os12g22470.1, LOC_Os10g18850.1, LOC_Os01g14270.1, LOC_Os08g33030.1, LOC_Os01g09030.1, LOC_Os10g03910.1, LOC_Os08g34920.1, LOC_Os05g35510.1, LOC_Os12g29450.1, LOC_Os11g11950.1, LOC_Os07g45390.1, LOC_Os03g19980.1, LOC_Os01g43120.1, 610

19107 126 chr06|11976:13025462-13025548:1
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repeat_sense, igr_sense,
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19138 1320 chr06|11976:13398493-13398600:1

GCCTCTCCTCTGCTGAATATGGCGGAGGGGAGGGCGTTGCTGCCGCTGCTCCCTATGGGG
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CCCGCCAGATCTAGCTGAGG 0.376885 1 igr_sense,

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19292 2236 chr06|11976:15006913-15007014:1

GAGATGGCGGAGCCGGAGGAGATGGTGCACGAGACGCCGCTTGTTGCCCAAGGAGGATGGT
GTACTACTTGCGCCATAGTATAATGGCATGGCTTGTGTCTC

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19670 436 chr06|11976:19175605-19175708:1

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0.099895 1 repeat_sense, igr_sense,

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19688 464 chr06|11976:19334528-19334613:1

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19714 1100 chr06|11976:19719270-19719357:1

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19753 1384 chr06|11976:20022832-20022966:1

AGGCTCGCGAGCTGCTCGAGCTCGACTCGTCCTAAGCTCGATTGAGCTCGGTTTCGAGCTCCAAACGAGCCGAGCCGAGCCTGTCCCAAAGCTCGCGAGCTTTGTGAGCCGAGCTCGAGCTTCTAACGAGCCT CGAGCCGAGCTCGAGCTTCT 0.183497 1 repeat_sense, igr_sense, LOC_Os04g39110. 1, LOC_Os05g47960. 1, LOC_Os03g58540. 2, LOC_Os11g30600. 1, LOC_Os12g07280. 1, LOC_Os06g48290. 1, LOC_Os03g58540. 1, LOC_Os02g48020. 1, LOC_Os10g41550. 1, LOC_Os02g38310. 1, LOC_Os03g49310. 1, LOC_Os04g43340. 1, LOC_Os08g10300. 1, LOC_Os10g32890. 1, LOC_Os07g47370. 1, LOC_Os09g16510. 1, LOC_Os10g15010. 1, 226

19754 1384 chr06|11976:20022827-20022969:1

GCTCGAGGCTCGCGAGCTGCTCGAGCTCGACTCGTCCTAAGCTCGATTGAGCTCGGTTTCGAGCTCCAAACGAGCCGAGCCGAGCCTGTCCCAAAGCTCGCGAGCTTTGTGAGCCGAGCTCGAGCTTCTAACGAGCCTAGT GCTCGAGCTTCTAACGAGCC 0.513003 1

repeat_sense, igr_sense, LOC_Os05g24160. 1, LOC_Os03g49310. 1, LOC_Os12g01922. 1, 189

19757 10032 chr06|11976:20026942-20027027:1

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19864 1080 chr06|11976:20889875-20889979:1

GAATCACAGTGCAGTTCTCTTGGCATGGATGCCAACGTAGCAGGCGTTAGACTACGTACATTGCTATTGTCATCCCTGCCAAAGGAGAATTGCCCTGCCATTC CTGCCAAAGGAGAATTGCC

0.453777 1 intron_sense, HASH(0xbc74f54)
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19888 18469 chr06|11976:21163796-21163919:1
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19897 126 chr06|11976:21248931-21249055:1
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19976 126 chr06|11976:21970920-21971007:1
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20011 48 chr06|11976:22300620-22300687:1
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20014 1100 chr06|11976:22345503-22345590:1

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20104 126 chr06|11976:23219717-23219786:1

GTTTCGGTTGGTATTACCAACCAGGACTAAAAATATATCTTTTGTCCCGTTGGTAACACC
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repeat_sense, igr_sense,

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20105 126 chr06|11976:23219709-23219794:1

GATCTTTTGTTCGGTTGGTATTACCAACCAGGACTAAAAATATATCTTTTGTCCCGTTG
GTAACACCAACCGGATTAAAGATT GGTGTTGTAACACCAACCGGGA 0.459968 1

repeat_sense, igr_sense,

LOC_0s06g22430.1, LOC_0s09g17360.1, LOC_0s02g08060.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s08g13430.1, LOC_0s08g23829.1, 5230

20123 126 chr06|11976:23337839-23337920:1

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TAGTCTCGGTTGGTGTACTAA GCTCTTTAGTCTCGGTTGGT 1.09873 1

repeat_sense, igr_sense,

LOC_0s01g44960.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s03g46430.1, LOC_0s06g45010.1, LOC_0s02g11930.1, LOC_0s05g18294.4, LOC_0s11g47180.1, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s02g47480.1, LOC_0s01g38580.1, LOC_0s08g27180.1, 3095

20222 314 chr06|11976:24250453-24250536:1

GGATACTCTGGGCCTGTTGGCACAGCTCTAGCTCCAGCTCCACCCCTCCTGGAGCTGGAG
CTCAGCCAAACAGTTTCAGCTCC GAGCTGGAGCTCAGCCAAACAG 0.212377 1

intron_antisense, repeat_sense,

LOC_0s07g42030. 1, LOC_0s04g52880. 1, LOC_0s02g06350. 1, LOC_0s07g22120. 1, LOC_0s03g20190. 1, LOC_0s04g25400. 1, LOC_0s09g24260. 1, LOC_0s01g33204. 1, LOC_0s03g63590. 1, LOC_0s11g03720. 1, LOC_0s01g08260. 2, LOC_0s10g05300. 1, LOC_0s02g18930. 1, LOC_0s12g37210. 1, LOC_0s02g08410. 1, LOC_0s10g37530. 1, LOC_0s08g25420. 1, LOC_0s11g16640. 1, LOC_0s08g43000. 1, LOC_0s10g31910. 1, LOC_0s11g24990. 1, LOC_0s01g67810. 1, LOC_0s08g05040. 1, LOC_0s12g13640. 1, LOC_0s07g30210. 1, LOC_0s05g07650. 1, LOC_0s10g08990. 1, LOC_0s07g02990. 1, 1045
 20253 100 chr06|11976:24645681-24645819:1
 AAAGTATCTCGAGGTAGCATTACCTCACGGTACCAAATCGTTTCCAAGCATTGAATCTAAC
 AATGCCGATCCTGCCAGCTAGATCGAATGGTCGGAAACGATTGTGTACCATGAGGTAGCAGTACCTCG
 AGGTACTTT CCATGAGGTAGCAGTACCTCG 0.448179 1
 repeat_sense, igr_sense,
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 20258 126 chr06|11976:24703378-24703462:1
 ATCTTTAGTCCTGGTTGGTACTACCAACAGGGAGTAAAGATCACAACCTTTAGTCCCGGTTG
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 ATTTGGTACCGTGAGGTACC 0.429506 1 repeat_sense, igr_sense,
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 20314 3548 chr06|11976:25455771-25455864:1
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 20361 6716 osa-MIR171a chr06|11976:25890140-25890225:1
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 TGATTGAGCCGCGCCAATATCTCTT TGATTGAGCCGCGCCAATATCTC 1
 igr_sense, HASH(0xc0536b4)
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20473 126 chr06|11976:27100654-27100777:1
TTATTCCTCCGGTTGGTGTACCAACCGGGACTAAAAATCATCATTACTCCCGGTTATCCCG
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AGTCCCGGTTGGTGACACCAAC 0.582808 1 repeat_sense, igr_sense,
LOC_Os07g09850.1, LOC_Os02g50650.1, LOC_Os04g05350.1, LOC_Os04g59160.1, L
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C_Os01g07740.3, LOC_Os06g11700.1, LOC_Os05g39470.1, LOC_Os08g13430.1, LOC
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20749 1384 chr06|11976:30226722-30226847:1
AGCTCATGGCTCGTTAGCTTGCTCGGCTCGACTTGGCTCGTTGCATTTTCATAACGTGCCA
AGCTGGCATTTTAACTCGTTAAAGATAATGAGCCAGCTCGAGCTAGCTCGGAGCCAAACGAGCT
TCGAGCTAGCTCGCGAGCCAAA 0.262041 1
intron_antisense, repeat_sense,
LOC_Os07g40900.1, LOC_Os07g22494.1, LOC_Os07g22494.2, LOC_Os07g08410.1, L
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C_Os03g09150.1, 144

20923 126 chr07|11977:824120-824236:1
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TTGTCAGGCCCTCTGAGATCTTTAGTCCCGGTTGGTAACATCAACCGGGAAGAAAG
AGTCCCGGTTGGTAACATCAACCGGGA 0.264781 1
repeat_sense, igr_sense,
LOC_Os04g51440.2, LOC_Os02g50650.1, LOC_Os04g59160.1, LOC_Os08g28860.1, L
OC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, LOC_Os04g06630.1, L
C_Os09g04830.1, LOC_Os01g02220.1, LOC_Os10g28000.1, LOC_Os04g51440.1, LOC
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20932 3146 chr07|11977:941268-941376:1
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CATTGTTCTAGGATAGATATCATCCCCTCCTAGGTTGTTATATTATGG
ATATCATCCCCTCCTAGGTTGT 0.555418 1 repeat_sense, igr_sense,
LOC_Os11g09460.2, LOC_Os08g07080.1, LOC_Os01g05940.1, LOC_Os11g09460.1, L
OC_Os02g37620.1, LOC_Os08g07100.1, LOC_Os11g32530.1, LOC_Os01g33260.1, L
C_Os12g08110.1, LOC_Os06g33030.1, 55

20973 126 chr07|11977:1437006-1437098:1
CTATCTTTAGTCCCGGTTGGTAACACCAATCGGGAAAAAAGATTCCCATATGCTTTACTCC
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0.53214 1 repeat_sense, igr_sense,
LOC_Os05g09210.1, LOC_Os08g45200.1, LOC_Os07g14430.1, LOC_Os01g28080.1, L
OC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os07g13090.1, L
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_Os09g04470.1, LOC_Os11g14740.1, LOC_Os03g31760.1, LOC_Os01g04150.1, LOC
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_Os08g23829.1, LOC_Os12g40700.1, LOC_Os04g37420.1, 8244

20986 48 chr07|11977:1775528-1775634:1
TACTTCTCCATTTCACAATGTAAGTAATTCTATTCTACATTCATATCGATGTTAATATGA

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ACTTACATTGTGAAACGGAGGG 0.335476 1 repeat_sense, igr_sense,
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21002 1954 chr07|11977:2125827-2125910:1

ATGATACCTCGCGAGTATCACGCGATACGTGTTAGAAAATCGTCTAATACATGACAGGTATCGCATGATACCTCGTGAGTATCAT AGGTATCGCATGATACCTCGT 0.112893 1

repeat_sense, igr_sense,
LOC_Os07g36320.1, LOC_Os04g38990.1, LOC_Os10g36229.1, LOC_Os03g40080.1, LOC_Os02g21500.1, LOC_Os12g22470.1, LOC_Os08g28070.1, LOC_Os08g33030.1, LOC

C_0s09g31250.1, LOC_0s08g34920.1, LOC_0s03g40920.1, LOC_0s01g11200.1, LOC_0s01g48580.1, 152

21005 18843 chr07|11977:2147887-2148044:1

CTGGATGTGTTTGGGAGCTGATGCTGAGGCAGAGGTCGAGGCAGCAGAATCATCT
CCATGGCCTTGACGGTTATCAGGATGCTTCACATCTGGATGGTTGGGAGCTGAGACTGAGGCACAGGTT
GAGGCAGCATCAGCATCCAAGCTTCCAG GCAGCATCAGCATCCAAGCT 0.157233 1

utr_sense, exon_sense,

LOC_0s06g48870.1, LOC_0s06g01170.1, LOC_0s09g20910.1, LOC_0s03g01160.1, LOC_0s02g48840.1, LOC_0s10g20240.1, LOC_0s01g67370.1, LOC_0s08g40450.1, LOC_0s04g44800.1, LOC_0s01g67370.2, LOC_0s03g01160.2, LOC_0s09g19640.1, LOC_0s06g51420.1, LOC_0s08g01420.1, LOC_0s05g11580.1, LOC_0s01g58290.2, LOC_0s03g42270.1, LOC_0s05g29990.1, LOC_0s04g57560.1, LOC_0s01g67370.3, LOC_0s08g38890.1, LOC_0s04g12080.1, LOC_0s09g14540.1, 10

21020 436 chr07|11977:2338548-2338644:1

GATGAGTCATCTGTGACGGGCATTAATACTATGGCCCATCACAGATGACCCTCATCTCAATCG
GACCTAAGTTAACGCCCCGTCACAGATGAGTATAATC TAACGCCCCGTCACAGATGAGT 0.281262

1 repeat_sense, igr_sense,

LOC_0s11g47970.4, LOC_0s04g37860.1, LOC_0s08g30440.1, LOC_0s11g47970.2, LOC_0s07g30540.1, LOC_0s01g63750.1, LOC_0s11g47970.1, LOC_0s11g26309.1, LOC_0s06g36430.1, LOC_0s11g20580.1, LOC_0s08g26080.1, LOC_0s11g47970.5, LOC_0s08g32820.1, LOC_0s12g13800.1, LOC_0s11g47970.3, LOC_0s04g19830.1, LOC_0s04g20380.1, 611

21029 368 chr07|11977:2359524-2359689:1

CGTTTTTTTATCCCGTTGACAAGTTGAGGGACCTTCGGTGCACTTTTTGCTTTCTAGTACA
AGCAGACCTCTTCAAGGCCCGGCCCTTTTCTTTTTCATCTTTGTTTTCTTTAGGGAAAACGTACACC
GAAGGTCCCTCAACTTGTATCGGGATTAAAAAACG TCCCTCAACTTGTATCGGGA 0.473096

1 repeat_sense, igr_sense,

LOC_0s01g62660.1, LOC_0s03g40000.1, LOC_0s11g26150.1, LOC_0s05g23720.1, LOC_0s01g02170.1, LOC_0s06g21890.1, LOC_0s03g44190.1, LOC_0s12g05060.1, LOC_0s07g42410.1, LOC_0s05g40000.1, LOC_0s05g11370.1, LOC_0s01g13780.1, LOC_0s01g60760.1, LOC_0s01g41950.1, LOC_0s12g04424.1, LOC_0s01g02170.2, LOC_0s10g11100.1, LOC_0s03g14720.1, LOC_0s02g13020.1, LOC_0s03g19860.1, LOC_0s03g57910.1, LOC_0s02g17520.1, LOC_0s11g35710.1, LOC_0s01g44210.1, LOC_0s04g46950.1, LOC_0s09g11630.1, 1212

21051 314 chr07|11977:2611903-2611979:1

GGACTGTTTGGGGAGCTTCTGGCAACTGAAGATTTAGAGAAGCTGCAGCTGCTAGAAG
CTCCCCAAACAGATCC CAGCTGCTAGAAGCTCCCCAAA 0.115832 1

repeat_sense, igr_sense,

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21161 18882 chr07|11977:4480536-4480656:1

ACCCCAACATAATTGGGGATGGGACATTATCTAGTCCAATATGTCCAGATGCATTGGACTA
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21186 394 chr07|11977:4906684-4906776:1

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1.13609 1 repeat_sense, igr_sense,
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21199 314 chr07|11977:5059825-5059893:1

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 21223 126 chr07|11977:5466820-5466901:1
 GCTTTACTCCCGGTTGATGTTACCAACCGGGACTAAAGATTTATTTTAGTCCCGGTTGGT
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 161
 21273 126 chr07|11977:6281174-6281254:1
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 21295 126 chr07|11977:6555488-6555589:1
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 21296 126 chr07|11977:6555488-6555589:1
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 C_Os08g23829. 1, 3600

21297 24 chr07|11977:6605593-6605687:1
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0.348895 1 repeat_sense, igr_sense,
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21303 126 chr07|11977:6643804-6643938:1
GATCTTTAGTTCTAGTTGGTGTACTAACCAGGACTAAAAATCACCGGGATCTTTAGTCCC
GGTTGATAATACAAACCGGGACTAAAGATCCAACTTTAGTCCCAGTTGGTAACACCAACCGGGACTAA
AGATC GTTGTAACACCAACCGGGACT 0.105938 1 repeat_sense, igr_sense,
LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, LOC_Os04g06630.1, L
OC_Os08g26860.1, LOC_Os08g13430.1, LOC_Os08g23829.1, 5308

21311 126 chr07|11977:6829647-6829756:1
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GACTGACAGGGGATGAACTGGTTGGTGTACCAACTGGGACTAAAGATC
GGTGGTGTACCAACTGGGA 0.540534 1 repeat_sense, igr_sense,
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OC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os08g23829.1, 3574

21312 126 chr07|11977:6829647-6829756:1
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C_Os03g43080.1, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os08g23829.1, LOC
_Os04g37420.1, 3369

21434 436 chr07|11977:8953881-8953951:1
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CTCTGACGGG CCGTCACTGATGACTCATCT 0.252189 1
repeat_sense, igr_sense,
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C_Os01g02830.1, LOC_Os04g25720.1, LOC_Os12g19530.1, 795

21436 3852 chr07|11977:8983057-8983148:1
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0.317427 1 repeat_sense, igr_sense,
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21590 48 chr07|11977:11358224-11358339:1
AGATTATATATACCCTCGGTCCCAAAATATAAAGGATTTTGGGTGATTCATAGACCTAGGA
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TTTTGGGACAGAGGGAGTATGT 0.942523 1
repeat_sense, intron_sense,

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21660 19011 chr07|11977:12932274-12932339:1

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cds_antisense, exon_antisense,

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21676 19019 chr07|11977:13109785-13109907:1

GGCCGGCTCTTTGCTGGTGACGATCATCAAGATTCACGCACGATGACTACACTTGAAAAC
CGATACGTGTCCGTGCGGCACACGTGAATCTTGATGACGCTGCACCCGCAACAAGTCGGCT

TGACGCTGCACCCGCAACAA 0.157066 1 igr_sense,

LOC_0s01g60230.3, LOC_0s12g16360.1, LOC_0s01g60230.2, LOC_0s01g60230.1,
4

21691 126 chr07|11977:13229751-13229835:1

ATCTTTACTCCCGTTGTTGAGAACAACCGGGAGTAAAGAAAAGATCTTTACTCCCGTTG
TTGAGAACAACCGGGACTAAAGAT TCCCGTTGTTGAGAACAACCGGGA 0.486103 1

intron_antisense, repeat_sense,

LOC_0s02g08060.1, LOC_0s08g23100.1, LOC_0s12g17280.1, LOC_0s01g17402.1, LOC_0s01g17402.2, LOC_0s05g39470.1, LOC_0s12g34010.1, LOC_0s05g01120.1, LOC_0s09g17020.1, LOC_0s12g18420.1, 1252

21712 126 chr07|11977:13578131-13578217:1

GATTTTATTCCCGTTTGTAAACCAACCGGGACTAAAAATTCTATCTTTAGTTCCGGTT
GGTGTTACAAACCGGGACTAAAGATC GGTGTTACAAACCGGGACTA 0.587263 1

repeat_sense, igr_sense,

LOC_0s11g10290.1, LOC_0s05g09210.1, LOC_0s08g45200.1, LOC_0s01g28080.1, LOC_0s04g27010.1, LOC_0s12g13480.1, LOC_0s09g03939.2, LOC_0s04g06630.1, LOC_0s07g13090.1, LOC_0s12g40960.1, LOC_0s03g43080.1, LOC_0s09g03939.1, LOC_0s01g20950.1, LOC_0s12g06960.1, LOC_0s08g23829.1, LOC_0s06g32290.1, LOC_0s11g06630.1, LOC_0s04g37420.1, 3957

21790 19042 chr07|11977:14688300-14688374:1

GCAAGAATCGGCTGAAATCTAGATCGGCTACGATTAGAATTGGCTGGGTCTGAGTCGGTCT
AGATGAGCCGATGC AGTCGGTCTAGATGAGCCGA 0.530804 1

repeat_sense, igr_sense,

LOC_0s08g09830.1, LOC_0s07g14990.1, LOC_0s08g41230.1, LOC_0s08g03510.1, L

OC_0s02g20100. 1, LOC_0s09g07680. 1, LOC_0s08g09830. 2, LOC_0s12g21780. 1, LOC_0s12g16840. 1, LOC_0s08g41220. 1, LOC_0s02g18210. 1, LOC_0s04g02230. 1, LOC_0s10g11920. 1, LOC_0s04g41620. 1, LOC_0s12g16900. 1, LOC_0s10g22800. 1, LOC_0s07g18190. 1, 30

21822 588 chr07|11977:15372463-15372561:1

GGATTTTGGTTGGATGTAATGTATTCTAGTACTACGAATCTGGGCATTCTCTATGTTTCATA
TTCGTAGTACTAGGATATGTCACATCCAACCAAAATCCGTAGTACTAGGATATGTCACATCCA

0.142818 1 repeat_sense, igr_sense,

LOC_0s04g31120. 2, LOC_0s07g28260. 2, LOC_0s02g30730. 4, LOC_0s05g07940. 3, LOC_0s05g41030. 1, LOC_0s04g31120. 1, LOC_0s06g11090. 1, LOC_0s02g30730. 1, LOC_0s06g46000. 1, LOC_0s01g51800. 1, LOC_0s04g31120. 4, LOC_0s05g19150. 1, LOC_0s06g10810. 1, LOC_0s05g26750. 1, LOC_0s08g32170. 1, LOC_0s02g18170. 1, LOC_0s04g32540. 2, LOC_0s01g74030. 1, LOC_0s05g04060. 1, LOC_0s05g07940. 4, LOC_0s02g16490. 1, LOC_0s12g01510. 1, LOC_0s07g28260. 1, LOC_0s07g09460. 1, LOC_0s03g53670. 1, LOC_0s09g03630. 1, LOC_0s11g34660. 1, LOC_0s06g02304. 1, LOC_0s07g28260. 4, LOC_0s07g12310. 1, LOC_0s02g30730. 3, LOC_0s02g40870. 2, LOC_0s04g53830. 1, LOC_0s07g28260. 5, LOC_0s12g01620. 2, LOC_0s07g49460. 1, LOC_0s02g40870. 1, LOC_0s12g01620. 1, LOC_0s07g28260. 3, LOC_0s07g05810. 1, LOC_0s04g31120. 3, LOC_0s12g01510. 2, LOC_0s03g05340. 1, LOC_0s04g32540. 1, LOC_0s09g25410. 2, LOC_0s12g06650. 1, LOC_0s05g49630. 1, LOC_0s05g26720. 1, LOC_0s03g50980. 1, LOC_0s02g35720. 1, LOC_0s05g45820. 1, LOC_0s01g36350. 3, LOC_0s06g30280. 1, LOC_0s06g46000. 2, LOC_0s03g47960. 1, LOC_0s08g29760. 1, LOC_0s04g31120. 5, LOC_0s01g61430. 1, LOC_0s02g30730. 2, LOC_0s09g24650. 1, LOC_0s06g17950. 1, 1935

21839 126 chr07|11977:15637839-15637969:1

GATCTTTAGTCCCAGTTGATACTACCAACCGGGACTAAAGATTATCACTTTAGTCCCGGTT
GATACTATCAACCAGGACTAAAGATTATCACTTTAGTCCCAGTTGGTAGTAACAACCGGGAGTAAAGAT
C CCCAGTTGGTAGTAACAACCGGGA 0.127508 1 repeat_sense, igr_sense,
LOC_0s03g56040. 1, LOC_0s07g20190. 1, LOC_0s09g17360. 1, LOC_0s04g06630. 1, LOC_0s01g36800. 1, LOC_0s01g17310. 1, LOC_0s08g23829. 1, LOC_0s11g12710. 1, 1497

21859 5760 chr07|11977:16141853-16141966:1

GTTTAGGCAGCTCCACAACCTCCACTCCAGACTTAGGGCCCGTTTGGTAGAGCTGCAGCTCC
TAAATTTAACTCCAGGAGTTAGGTCTGGAGTAGAGTTGTGGAGCTGCCCAAAC

TAGGTCTGGAGTAGAGTTGTGGAGC 0.276622 1repeat_sense, igr_sense,
LOC_0s05g04790. 1, LOC_0s02g19840. 1, LOC_0s04g35480. 1, LOC_0s04g37840. 1, LOC_0s07g46700. 3, LOC_0s06g32120. 1, LOC_0s03g30970. 1, LOC_0s06g31640. 1, LOC_0s05g52070. 1, LOC_0s12g21640. 1, LOC_0s08g18120. 1, LOC_0s07g20810. 1, LOC_0s04g53890. 1, LOC_0s02g02060. 1, LOC_0s12g04830. 1, LOC_0s11g14580. 1, LOC_0s03g15450. 1, LOC_0s08g12370. 1, LOC_0s11g40870. 1, LOC_0s09g14790. 1, LOC_0s04g11990. 1, LOC_0s12g39360. 1, LOC_0s05g20270. 1, LOC_0s11g28270. 2, LOC_0s05g19330. 1, LOC_0s01g58570. 1, LOC_0s05g16850. 1, LOC_0s02g08410. 1, LOC_0s03g20270. 1, LOC_0s04g55320. 1, LOC_0s11g03240. 1, LOC_0s01g35140. 1, LOC_0s09g02110. 1, LOC_0s06g18090. 1, LOC_0s02g51920. 1, LOC_0s12g33690. 1, LOC_0s01g

25300. 1, LOC_Os05g44730. 1, LOC_Os08g21280. 1, LOC_Os06g21640. 1, LOC_Os11g43460. 1, LOC_Os06g48440. 1, LOC_Os07g30210. 1, LOC_Os04g34260. 1, LOC_Os07g46700. 2, LOC_Os12g27490. 1, LOC_Os03g41229. 1, LOC_Os08g12210. 1, 741

21929 24 chr07|11977:17154888-17155015:1
ATACGGCTGCTTAAGTGGCCCGTATGGGAAAAACGGGCCTCTTAAGAGAGCTCATGTTGCA
TGCGGCTCACCTAAGCGCCCGCATAGAAAAATCAATTTTTTCATACAGGCCACTTAAGAAGACGTAT
CATACAGGCCACTTAAGAAG 0.187038 1 repeat_sense, igr_sense,
LOC_Os12g30630. 1, LOC_Os02g40870. 2, LOC_Os11g25600. 1, LOC_Os02g40870. 1, LOC_Os01g40720. 1, 65

21934 100 chr07|11977:17177676-17177779:1
AAGTATCTCGAGGTATCGGTACCTCACGGTACCAAATCGTTTTTGATCGTTGGATCTTACA
CAATTTGATACGTACCGTGAGGTACCGGTACATCAAGGTACTT
CGTACCGTGAGGTACCGGTACATC 0.793124 1 repeat_sense, igr_sense,
LOC_Os04g59030. 1, LOC_Os10g38540. 1, LOC_Os04g46200. 1, LOC_Os09g34270. 1, LOC_Os03g10880. 1, LOC_Os01g02550. 1, LOC_Os01g65650. 1, LOC_Os05g03174. 1, LOC_Os10g38664. 1, LOC_Os08g41720. 1, LOC_Os09g31120. 1, LOC_Os06g34960. 1, LOC_Os02g42110. 1, LOC_Os11g08080. 2, LOC_Os09g31510. 1, LOC_Os04g11780. 1, LOC_Os01g45624. 1, LOC_Os05g50110. 1, LOC_Os07g09880. 1, LOC_Os07g44880. 1, LOC_Os03g48990. 1, LOC_Os02g16250. 1, 319

21962 126 chr07|11977:17536577-17536653:1
TTAATCCCGGTTGGTATTACCAACCGGGACTAAAGATTATATATTTAATCCCGGTTGATGA
TACCAACTGGGACTAA TCCCGGTTGATGATACCAAC 0.666007 1
repeat_sense, igr_sense,
LOC_Os09g17360. 1, LOC_Os01g16220. 1, LOC_Os12g17280. 1, LOC_Os05g39470. 1, LOC_Os05g18294. 4, LOC_Os08g23829. 1, 2368

22135 588 chr07|11977:20067742-20067824:1
AATGTGATCCCTCCTAATACAACGAATCTGGACATTCTTTATCTCGATTATTCAGATTCTG
TTGTACTAGGAGGGGTACATT CAGATTTCGTTGTACTAGGAGG 0.154258 1
repeat_sense, igr_sense,
LOC_Os04g31120. 2, LOC_Os06g48030. 3, LOC_Os04g31120. 1, LOC_Os06g11090. 1, LOC_Os05g34550. 1, LOC_Os01g51800. 1, LOC_Os04g31120. 4, LOC_Os07g30790. 1, LOC_Os06g10810. 1, LOC_Os11g33960. 1, LOC_Os07g45350. 5, LOC_Os12g39380. 1, LOC_Os07g45350. 4, LOC_Os07g09460. 1, LOC_Os10g04050. 2, LOC_Os07g45350. 2, LOC_Os04g53830. 1, LOC_Os07g45350. 1, LOC_Os02g24950. 1, LOC_Os04g31120. 3, LOC_Os05g34550. 2, LOC_Os07g45350. 3, LOC_Os03g47960. 1, LOC_Os02g01930. 1, LOC_Os04g31120. 5, LOC_Os09g12870. 1, LOC_Os10g04050. 1, LOC_Os02g01790. 2, LOC_Os02g01790. 1, LOC_Os03g44170. 1, 735

22144 100 chr07|11977:20227844-20227997:1
GCAATTTTACGGTCCTTAAGAAGGTACCATGAGGTACCACTTTTTTCTATTGTAAATTTGG
TACCTCTTGATATCTATGTACTATTAGGTACCAAATTTTACACTGAATTTTTTTTGTACCTTATGGTA
CCTCCTGAAGGACCGTAGAATTGC ATGGTACCTCCTGAAGGACC 0.464269 1
repeat_sense, cds_antisense, exon_antisense,
LOC_Os02g15040. 1, LOC_Os11g15450. 1, LOC_Os03g27054. 1, LOC_Os07g33800. 1, 179

22163 126 chr07|11977:20431356-20431443:1
ATATCTTTAGTCCCGTTGTTGAGAACAACCGGGAGTAAAGAAAAGATATTTACTCCCGGTT
GTTGAGAACAACCGGGACTACAGATAT TCCCGTTGTTGAGAACAACCGGGA 0.468131 1
repeat_sense, igr_sense,
LOC_Os02g08060.1, LOC_Os08g23100.1, LOC_Os12g17280.1, LOC_Os01g17402.1, L
OC_Os01g17402.2, LOC_Os05g39470.1, LOC_Os12g34010.1, LOC_Os05g01120.1, L
C_Os09g17020.1, LOC_Os12g18420.1, 1252

22172 126 chr07|11977:20462207-20462293:1
TATCTTTAGTCCCGTTGTTGAGAACAACCGGGAGTAAAGAAAAGATATTTACTCCCGGTT
GTTGAGAACAACCGGGACTAAAGATA TCCCGTTGTTGAGAACAACCGGGA 0.101269 1
repeat_sense, igr_sense,
LOC_Os02g08060.1, LOC_Os08g23100.1, LOC_Os12g17280.1, LOC_Os01g17402.1, L
OC_Os01g17402.2, LOC_Os05g39470.1, LOC_Os12g34010.1, LOC_Os05g01120.1, L
C_Os09g17020.1, LOC_Os12g18420.1, 1252

22250 944 chr07|11977:21566607-21566735:1
CGCCTGCACGGCTGGCCTATTATGCCGCCGTTGTTGGGCGTCTATGTCTTACCGACCGGC
CGCCTCGTCAGCCGCCGACTGGTGTTCGCCCTGCACGGCTGGCCTATTATGCCACCGTTGTTGGGCG
CACGGCTGGCCTATTATGCCACCGTT 0.0713169 1
intron_antisense, repeat_sense,
LOC_Os12g43220.1, LOC_Os12g27860.1, LOC_Os02g54320.1, LOC_Os07g05920.1, L
OC_Os07g16100.1, LOC_Os08g17800.1, LOC_Os09g04780.1, LOC_Os11g20070.1, L
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C_Os09g23990.1, LOC_Os09g18580.1, LOC_Os03g45500.1, LOC_Os04g10040.1, L
OC_Os07g36070.1, LOC_Os02g26830.1, LOC_Os10g25120.1, LOC_Os06g31780.1, L
OC_Os05g34510.1, LOC_Os06g35440.1, LOC_Os06g36600.1, LOC_Os10g24310.1, L
OC_Os08g10950.1, LOC_Os02g21180.1, LOC_Os04g04380.1, LOC_Os08g17540.1, L
OC_Os05g23070.1, LOC_Os12g10150.1, LOC_Os03g39080.1, LOC_Os08g14380.1, L
OC_Os04g13410.1, LOC_Os08g02310.1, LOC_Os04g08796.1, LOC_Os01g16870.1, L
OC_Os09g26750.1, LOC_Os06g25330.1, LOC_Os12g25920.1, LOC_Os08g08510.1, L
OC_Os04g20570.1, LOC_Os01g23340.1, 6132

22280 126 chr07|11977:22067024-22067142:1
GTCCCGGTTGGTAACCAACCGGGACTAAAGATGATCTTTAATCCCGGTTACATGCTGT
CAGGTGTTGTCAGGCCCTCCAGGATCTTTAGTCCCGGTTGGTGTACGAACCGGGAT
TTAGTCCCGGTTGGTGTAC 0.888932 1
repeat_sense, intron_sense,
LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os05g18294.4, LOC_Os08g13430.1, L
OC_Os01g20950.1, LOC_Os12g22910.1, LOC_Os08g23829.1, LOC_Os01g38580.1, L
C_Os08g27180.1, 5361

22453 1256 chr07|11977:24517291-24517433:1
ACTGAAATAGGGATTGGGATCCTCTAACGTGAAGTCAGAGGAACGTGGTGACTGAGATATG
GACCCCGCCGTCACGGGCCACAGTCAGTGATCAGTAAGAGGGTAGTTCACGTCGGAGGATCCTCT
TCCCTGAAATAGT ACGTCGGAGGATCCTCTTCC 0.0713463 1
intron_antisense,
LOC_Os07g08210.2, LOC_Os07g08210.1, LOC_Os01g53779.1, LOC_Os02g55480.1, L

OC_0s11g24940.1, LOC_0s03g22610.1, LOC_0s01g53779.2, LOC_0s02g56630.1, LOC_0s10g36980.1, LOC_0s03g19870.1, LOC_0s03g19870.3, LOC_0s02g55480.2, 27
22525 410 chr07|11977:25810031-25810159:1

TCTAAATCCTTTGTCTCCACATCCATCCACTTTTAGGTCTCGTGCCTACCCCTTTTATT
ATTGCCGAAATCATGTTTCGACAGGTTTCAGGCCTAAAAGTGGATGGATGCGGAGACAAAGGATTAGA
GTGGATGGATGCGGAGACAA 0.805276 1 repeat_sense, igr_sense,
LOC_0s09g01270.1, LOC_0s04g37840.1, LOC_0s03g15020.2, LOC_0s03g51800.1, LOC_0s03g15020.4, LOC_0s12g21640.1, LOC_0s09g09290.1, LOC_0s09g37270.1, LOC_0s02g14220.1, LOC_0s03g15020.3, LOC_0s01g35140.1, LOC_0s06g18090.1, LOC_0s12g22250.1, LOC_0s09g09290.2, LOC_0s12g33690.1, LOC_0s03g15020.1, LOC_0s08g12230.1, LOC_0s09g37270.2, 757

22542 8408 chr07|11977:26028111-26028222:1

GGTATGCAAAAAACGGGTGGACGTCCACCCGAGAGATTAGAATCTATCTTCTTTTTCATA
GGGAAACTATTTTAAGCACTTGGGTGGACGTCCACCCATTTCTTGCATATC

CTTGGGTGGACGTCCACCCATTT 0.898565 1 repeat_sense, igr_sense,
LOC_0s07g05430.1, LOC_0s01g16590.1, LOC_0s11g41390.1, LOC_0s01g52000.1, LOC_0s07g38960.2, LOC_0s03g52970.1, LOC_0s07g36680.1, LOC_0s03g05850.1, LOC_0s02g45900.1, LOC_0s03g52970.3, LOC_0s05g49130.2, LOC_0s11g07922.2, LOC_0s08g03180.1, LOC_0s05g49130.1, LOC_0s09g10380.1, LOC_0s03g52970.2, 201
22613 1100 chr07|11977:26868662-26868749:1

GGCCTGCGTCCGACTGGTTTCCAGTCGGGGGCTCTTGAGTTGTTGCCGTTTCAGTTGTTGC
CGACTGGTTTCCAGTCGGCGGCGGGTC TGCCGACTGGTTTCCAGTCGGCGG 0.505693 1

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 23147 1920 osa-MIR439g chr08|11978:3657885-3657971:1
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23317 6716 osa-MIR171b chr08|11978:5362813-5362904:1

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23359 750 chr08|11978:5900817-5900922:1

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23382 2040 chr08|11978:6194472-6194567:1

GTGAGATTTCGATGTCTTAGGTCCTACCCAGGGGTCCCTTTTATACCGCGGGTCAGTTGAT
CTCCAAGTAGGACTTGGAGATATCGGACTCCTCAC GTAGGACTTGGAGATATCGGAC 0.93315

1 repeat_sense, igr_sense,
LOC_Os05g13700.1, LOC_Os06g35400.1, LOC_Os08g16490.1, LOC_Os11g19890.1, LOC_Os02g18600.1, LOC_Os04g55440.1, LOC_Os01g57790.1, LOC_Os05g18360.1, LOC_Os11g27160.1, LOC_Os03g48364.1, LOC_Os10g17270.1, LOC_Os06g49890.1, LOC_Os12g13670.1, LOC_Os03g19660.1, LOC_Os04g55420.1, LOC_Os12g23340.1, LOC_Os08g11200.1, LOC_Os06g36410.1, LOC_Os09g31250.1, LOC_Os10g07520.1, LOC_Os09g14090.1, LOC_Os12g13670.2, LOC_Os12g25510.1, 258

23416 126 chr08|11978:6612506-6612609:1

CCCGGTTGGTAACACCAACCGGGACTAAAGATCCCAGTTCGCCGGTTGTTAGAGTCTGTCA
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0.0447452 1 repeat_sense, igr_sense,
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23428 19526 chr08|11978:6714701-6714831:1
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C GCTGAGCTTGAGCCAAGTTCA 0.524713 1 repeat_sense, igr_sense,
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23495 19535 chr08|11978:7217962-7218053:1
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679.1, 43

23554 126 chr08|11978:7817039-7817124:1
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23615 436 chr08|11978:8196983-8197133:1
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CGGCGCTGAGTGACTGGTGGA GAGGAGACCGGCGCTGAGTGA 0.246353 1
repeat_sense, cds_antisense, exon_antisense,
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23635 126 chr08|11978:8470388-8470492:1

TTTAGTCCCGTTGGTGTCAATAACCGGGACTAAATATCACCATTTTAGTCACGGTTGGTACTCTTGATCATTAGTCCCGTTGGTAATACCAACCGGGACTAAA

AGTCCCGTTGGTAATACCAACCGG 0.665732 1repeat_sense, igr_sense, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os04g06630. 1, LOC_Os08g31649. 1, LOC_Os01g02220. 1, LOC_Os05g18294. 4, LOC_Os06g45270. 1, LOC_Os08g13430. 1, LOC_Os12g22910. 1, LOC_Os08g23829. 1, LOC_Os08g27180. 1, 7257

23678 464 chr08|11978:8814737-8814822:1

GTTCCATCAAGGATGAGGACGTTGCATCCTATTAATTTTCATGCGATGGCTGGTAATAGGATGCCATGTCCTCATCCTAGGTGAAAC GGATGCCATGTCCTCATCCTAG 0.447164 1

repeat_sense, igr_sense,

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23680 126 chr08|11978:8830167-8830266:1

AGCTCGATCTTCAGTCCCGGTTGGTAAGGCTCAGCCGGCCACGTGGCTGAGCCATCTTTAG
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0.125972 1 repeat_sense, igr_sense,

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23697 314 chr08|11978:9002031-9002112:1

GAGTCTTAGAGCTGTTTGGCACAGCTCCAGCTCCAACTCCACCCCTCCTGGAGCTGGAGC
TCAGCCAAACAATTTAGCTC AGCTGGAGCTCAGCCAAACA 0.229909 1
repeat_sense, igr_sense,

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23727 1100 chr08|11978:9465428-9465515:1

GACCTGCATCCGACTGATTTCCAGTCGGGGGCTCTTGAGTTGTTGCCGTTTCAGTTGTTGC
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repeat_sense, cds_antisense, exon_antisense,

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23757 19596 chr08|11978:9746607-9746707:1

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repeat_sense, cds_antisense, exon_antisense,

LOC_Os07g18330.1, LOC_Os04g35430.1, LOC_Os06g49010.1, LOC_Os08g16000.1, LOC_Os06g49010.4, LOC_Os03g52110.1, LOC_Os01g33750.1, LOC_Os04g19420.1, LOC_Os06g20660.1, LOC_Os10g26210.1, LOC_Os01g45570.1, LOC_Os11g01620.2, LOC_Os06g38240.1, LOC_Os08g08460.1, LOC_Os10g18660.1, LOC_Os08g16240.1, LOC_Os01g54830.1, LOC_Os01g14470.1, LOC_Os03g33230.1, LOC_Os04g09580.1, LOC_Os02g29660.1, LOC_Os08g28630.1, LOC_Os04g19360.1, LOC_Os12g11280.1, LOC_Os06g49010.2, LOC_Os05g20990.1, LOC_Os05g14060.1, LOC_Os09g07890.1, LOC_Os02g20110.1, LOC_Os04g16570.1, LOC_Os11g37170.1, LOC_Os02g19300.1, LOC_Os08g29430.1, LOC_Os11g39160.1, LOC_Os12g08510.1, LOC_Os12g10420.1, LOC_Os06g30070.1, LOC_Os02g24680.1, LOC_Os10g24210.1, LOC_Os11g23870.1, LOC_Os01g35720.1, LOC_Os07g27420.1, LOC_Os02g24420.1, LOC_Os08g17910.1, LOC_Os09g03110.1, LOC_Os04g13510.1, LOC_Os06g49010.3, LOC_Os12g33360.1, LOC_Os01g34720.1, LOC_Os12g03760.1, LOC_Os12g34740.1, LOC_Os03g36279.1, LOC_Os01g57800.1, LOC_Os06g49010.5, LOC_Os11g01620.1, LOC_Os11g06400.1, LOC_Os02g11660.1, LOC_Os10g06050.1, LOC_Os06g22520.1, LOC_Os08g19730.1, LOC_Os11g02870.1, LOC_Os01g38170.1, LOC_Os05g26290.1, LOC_Os07g26820.1, 34

23830 944 chr08|11978:10454453-10454581:1

CGCCTGCACGGTTGGCCTATTATGCCGCCGTTGTTGGGCGTCTACATCTTCACCGACCGGC
CGCCTCGTCCGCCGCCGACTGGTGTTCGCCCTGCACGGCTGGCCTATTATGCCACCGTTGTTGGGCG

ACGGCTGGCCTATTATGCCACCGTT 0.662757 1

repeat_sense, intron_sense,

LOC_Os07g40330.1, LOC_Os12g43220.1, LOC_Os12g27860.1, LOC_Os02g54320.1, LOC_Os07g05920.1, LOC_Os07g16100.1, LOC_Os08g17800.1, LOC_Os09g04780.1, LOC_Os11g20070.1, LOC_Os03g37440.1, LOC_Os02g45220.1, LOC_Os07g35250.1, LOC_Os07g17730.1, LOC_Os09g23990.1, LOC_Os09g18580.1, LOC_Os04g10040.1, LOC_Os02g29750.1, LOC_Os07g36070.1, LOC_Os05g26540.1, LOC_Os02g26830.1, LOC_Os10g25120.1, LOC_Os06g31780.1, LOC_Os05g34510.1, LOC_Os05g19930.1, LOC_Os06g35440.1, LOC_Os06g36600.1, LOC_Os10g24310.1, LOC_Os08g10950.1, LOC_Os02g21180.1, LOC_Os04g04380.1, LOC_Os01g15360.1, LOC_Os08g17540.1, LOC_Os05g23070.1, LOC_Os12g10150.1, LOC_Os03g39080.1, LOC_Os02g42770.1, LOC_Os08g14380.1, LOC_Os04g13410.1, LOC_Os08g02310.1, LOC_Os04g08796.1, LOC_Os01g16870.1, LOC_Os09g26750.1, LOC_Os06g25330.1, LOC_Os11g11320.1, LOC_Os08g15830.1, LOC_Os12g25920.1, LOC_Os08g08510.1, LOC_Os04g20570.1, LOC_Os01g23340.1, LOC_Os01g38080.1, 5735

23833 126 chr08|11978:10475607-10475694:1

ATCTTTAGTCCCGTTGATGAGAACAACCGGGAGTAAAGATAAAAATATCTTTACTCCCGG
TTGTTGAGAACAACCGGGACTAAAGAT TCCCGTTGTTGAGAACAACCGGA 0.484051 0

repeat_sense, igr_sense,

LOC_Os02g08060.1, LOC_Os08g23100.1, LOC_Os12g17280.1, LOC_Os01g17402.1, LOC_Os01g17402.2, LOC_Os05g39470.1, LOC_Os12g34010.1, LOC_Os05g01120.1, LOC_Os09g17020.1, LOC_Os12g18420.1, 1252

23875 8266 chr08|11978:10741489-10741598:1
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GGGATATCTTCACGATCACT 0.706141 1
intron_antisense, repeat_sense,
LOC_Os11g35560.1, LOC_Os11g22560.1, LOC_Os12g16810.1, LOC_Os01g35710.1, LOC_Os08g12470.1, LOC_Os08g22960.1, LOC_Os08g11110.1, LOC_Os07g18350.1, LOC_Os08g11420.1, LOC_Os03g41960.1, LOC_Os10g13530.1, LOC_Os05g17120.1, LOC_Os01g39920.1, LOC_Os12g26870.1, LOC_Os07g16520.1, LOC_Os07g10080.1, LOC_Os03g23110.1, LOC_Os02g19260.1, LOC_Os07g25040.1, LOC_Os09g12890.1, LOC_Os03g46170.1, LOC_Os09g10310.1, LOC_Os06g33960.1, LOC_Os04g23960.1, LOC_Os03g35440.1, LOC_Os09g10540.1, LOC_Os10g08696.1, LOC_Os04g19590.1, LOC_Os08g22990.1, LOC_Os06g40250.1, LOC_Os08g19750.1, LOC_Os07g22410.1, LOC_Os04g16700.1, LOC_Os08g08410.1, LOC_Os12g27600.1, LOC_Os02g38640.1, LOC_Os12g28220.1, LOC_Os04g18884.1, LOC_Os08g11560.1, LOC_Os05g19220.1, LOC_Os01g63080.1, LOC_Os04g03190.1, LOC_Os04g13990.1, LOC_Os11g26490.1, LOC_Os02g35570.1, LOC_Os02g16180.1, LOC_Os04g08832.1, LOC_Os03g35830.1, LOC_Os07g30310.1, LOC_Os07g45610.1, LOC_Os07g25010.1, LOC_Os04g16910.1, LOC_Os02g04940.1, LOC_Os11g12140.1, LOC_Os12g43240.1, LOC_Os09g10170.1, LOC_Os12g25980.1, LOC_Os12g31240.1, LOC_Os12g15640.1, LOC_Os11g15560.1, LOC_Os08g23390.1, LOC_Os05g30090.1, LOC_Os04g07700.1, LOC_Os09g13200.1, LOC_Os05g20520.1, LOC_Os04g29330.1, LOC_Os07g16580.1, LOC_Os01g22160.1, LOC_Os12g11820.1, LOC_Os07g20470.1, LOC_Os04g08540.1, LOC_Os11g11170.1, LOC_Os08g11800.1, LOC_Os12g16040.1, LOC_Os12g26710.1, LOC_Os12g26830.1, LOC_Os06g17520.1, LOC_Os11g35680.1, LOC_Os04g14610.1, LOC_Os12g26770.1, LOC_Os03g39450.1, LOC_Os10g17170.1, LOC_Os04g56890.1, LOC_Os07g16630.1, LOC_Os11g12070.1, LOC_Os10g28950.1, LOC_Os08g21110.1, LOC_Os09g10130.1, LOC_Os07g28200.1, LOC_Os11g14610.1, LOC_Os12g26620.1, LOC_Os07g25330.1, LOC_Os12g34650.1, LOC_Os06g35220.1, LOC_Os11g44710.1, LOC_Os04g04560.1, LOC_Os08g06990.1, LOC_Os05g15580.1, LOC_Os01g26752.1, LOC_Os12g11100.1, LOC_Os09g10109.1, LOC_Os10g24530.1, LOC_Os10g12160.1, LOC_Os10g17900.1, LOC_Os10g11454.1, LOC_Os05g22820.1, LOC_Os06g17610.1, LOC_Os07g25200.1, LOC_Os05g26410.1, LOC_Os08g26900.1, LOC_Os12g43050.1, LOC_Os07g25130.1, LOC_Os04g07490.1, LOC_Os05g16770.1, LOC_Os01g31260.1, LOC_Os09g23860.1, LOC_Os08g05190.1, LOC_Os03g34190.1, LOC_Os05g45410.1, LOC_Os12g35170.1, LOC_Os06g03474.1, LOC_Os10g20190.1, LOC_Os06g31830.1, LOC_Os07g16590.1, LOC_Os08g27120.1, LOC_Os02g23840.1, LOC_Os12g22390.1, LOC_Os01g28330.1, LOC_Os10g12530.1, LOC_Os12g32800.1, LOC_Os10g11696.1, LOC_Os04g18750.1, LOC_Os12g27890.1, LOC_Os07g45830.1, LOC_Os01g39200.1, LOC_Os09g02990.1, LOC_Os05g20840.1, LOC_Os08g11830.1, LOC_Os04g02840.1, LOC_Os05g17430.1, LOC_Os01g21536.1, LOC_Os07g24790.1, LOC_Os04g12320.1, LOC_Os09g04270.1, LOC_Os06g25320.1, LOC_Os07g11810.1, LOC_Os01g27320.1, LOC_Os07g24910.1, LOC_Os09g13230.1, LOC_Os07g43630.1, LOC_Os05g19650.1, LOC_Os04g26370.1, LOC_Os05g18500.1, LOC_Os05g26220.1, LOC_Os04g05190.1, LOC_Os01g35640.1, LOC_Os04g06144.1, LOC_Os03g27640.1, LOC_Os0

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24030 436 chr08|11978:12453448-12453559:1

CCGTCATAGGTATCAAGTCAGCTGTTATGGGCCGAAAATGAAACCCGTCAGATGAACACCTCTGTCTAGATTCCACTTCCGGCCCCGTCACAGGTGACTTGATACCTGTGATGG

GGCCCCGTCACAGGTGACTTGATACC 0.194848 1repeat_sense, igr_sense, LOC_Os05g01150. 1, LOC_Os03g29020. 1, LOC_Os02g34020. 1, LOC_Os09g26700. 2, LOC_Os12g25330. 1, LOC_Os10g09810. 1, LOC_Os12g15260. 1, LOC_Os01g63750. 1, LOC_Os04g08150. 1, LOC_Os12g11510. 1, LOC_Os01g24650. 1, LOC_Os07g42010. 1, LOC_Os05g22770. 1, LOC_Os07g31350. 1, LOC_Os09g28910. 2, LOC_Os09g28910. 3, LOC_Os10g04290. 1, LOC_Os04g01830. 1, LOC_Os06g35170. 1, LOC_Os04g13590. 1, LOC_Os04g21700. 1, LOC_Os09g28910. 4, LOC_Os04g14250. 1, LOC_Os07g13560. 1, LOC_Os09g26700. 1, LOC_Os09g28910. 1, LOC_Os08g33760. 1, 376

24179 126 chr08|11978:14298694-14298776:1

TTTAGTCCTGGTTGGTATTAATAACCGGGACTAAAGATCTCCTATATCTTTACTCCCGGTTGGTAATACCAACCGGACTAAA TCCCGGTTGGTAATACCAACCGG 0.199794 1

repeat_sense, cds_antisense, exon_antisense, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os04g06630. 1, LOC_Os08g31649. 1, LOC_Os05g18294. 4, LOC_Os06g45270. 1, LOC_Os08g13430. 1, LOC_Os08g23829. 1, 6841

24217 19718 osa-MIR417 chr08|11978:14807012-14807073:1

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A GAATGTAGTGAATTTGTTCCA 0 repeat_sense, igr_sense, LOC_Os05g31300. 1, LOC_Os02g05550. 1, LOC_Os12g10890. 1, LOC_Os02g39280. 1, LOC_Os07g18780. 1, LOC_Os03g46450. 1, LOC_Os03g28400. 1, LOC_Os04g32910. 1, LOC_Os03g27910. 1, LOC_Os10g18420. 1, LOC_Os01g72400. 1, LOC_Os02g12390. 1, LOC_Os04g11160. 1, LOC_Os09g13790. 1, LOC_Os12g23320. 1, LOC_Os12g10190. 2, LOC_Os02g53610. 1, LOC_Os07g14410. 1, LOC_Os10g01450. 1, LOC_Os12g35740. 1, LOC_Os01g17970. 1, LOC_Os08g08370. 1, LOC_Os12g10190. 1, LOC_Os01g73380. 1, LOC_Os05g11940. 1, 11

24226 1920 chr08|11978:14924727-14924817:1

ACCCTGTGCAACAACCGCGGTTGACAGGGATACCTATCGAACAACCACAGTTCGACAGGTACATGTGCAACTGCGTCAGTTCGACAGGGT TGTCGAAGTTCGTCAGTTCGACAGG 0.668496 1

repeat_sense, igr_sense, LOC_Os01g26340. 1, LOC_Os03g45130. 1, LOC_Os11g15170. 1, LOC_Os01g63180. 1, LOC_Os01g28700. 1, LOC_Os04g41840. 1, LOC_Os09g27940. 1, LOC_Os12g24980. 1, LOC_Os01g63170. 1, LOC_Os07g07430. 1, LOC_Os05g16910. 1, LOC_Os03g02130. 1, LOC

_Os04g02380.1, LOC_Os05g05390.1, LOC_Os01g02610.1, LOC_Os02g30670.1, LOC_Os06g19250.1, 174

24237 1920 chr08|11978:15098729-15098815:1
CCTGTGAACTGGGGCAGTTCGATAGGTACCCCTGTGAACTGGGGCAGTTCGACAGGGTA
CTGTGAACTGGGGCAGTTCGACAGG CTGTGAACTGGGGCAGTTCGACA 0.0186002 1
repeat_sense, igr_sense,
LOC_Os03g18140.1, LOC_Os01g26340.1, LOC_Os03g63470.1, LOC_Os03g45130.1, LOC_Os11g15170.1, LOC_Os05g46079.1, LOC_Os01g23940.1, LOC_Os01g28700.1, LOC_Os04g41840.1, LOC_Os01g63170.1, LOC_Os05g16910.1, LOC_Os04g02380.1, LOC_Os01g36270.1, LOC_Os05g41800.1, LOC_Os01g02610.1, LOC_Os02g30670.1, LOC_Os06g19250.1, 271

24338 10058 chr08|11978:16301113-16301233:1
TCTGTGACGGGCTATAGTTTAGGCCCGATTGAGATGAGTATCATATGTGACGGGCTCTAGC
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TGACGGGCCCTAGTTGTGGCTC 0.398831 1 repeat_sense, igr_sense,
LOC_Os12g01090.1, LOC_Os06g28310.1, LOC_Os10g39110.1, LOC_Os08g03440.1, LOC_Os07g16830.1, LOC_Os11g28400.1, LOC_Os03g18400.1, 172

24344 126 chr08|11978:16471852-16471963:1
CGATCTTTAGTCCTGGTTGGTAACACAAACCGGGACTAAAGATGGTTTGGCCGCCACGTG
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LOC_Os03g04830.1, LOC_Os02g50650.1, LOC_Os10g41120.1, LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os04g56620.1, LOC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os05g16640.1, LOC_Os07g20680.1, LOC_Os08g23829.1, LOC_Os03g19420.2, LOC_Os03g19420.1, 4130

24367 19756 chr08|11978:16653049-16653183:1
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24451 614 chr08|11978:17580174-17580256:1
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repeat_sense, intron_sense,
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26190. 1, LOC_Os08g09820. 1, LOC_Os01g68320. 3, LOC_Os01g53100. 1, LOC_Os09g25740. 1, LOC_Os06g49690. 1, LOC_Os10g37240. 1, LOC_Os09g06750. 1, LOC_Os05g08550. 1, 1630
 24572 126 chr08|11978:18763899-18763977:1
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 repeat_sense, igr_sense,
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 24686 100 chr08|11978:20060359-20060455:1
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 24732 126 chr08|11978:20592245-20592337:1
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 24929 126 chr08|11978:22884693-22884778:1
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 24938 654 osa-MIR166m chr08|11978:22912531-22912695:1
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 0.399919 1 igr_sense, HASH(0xd09b438)
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 24939 1954 chr08|11978:22917601-22917680:1
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 _Os01g48580. 1, 152
 24944 1920 chr08|11978:22949398-22949488:1
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 repeat_sense, igr_sense,
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 _Os06g19250. 1, 174
 25048 1995 chr08|11978:24264050-24264127:1
 GCCTGGCTCCCTGAATGCCATCCGAGAAGCGTGCCGCTGTGGCCGGCTGCTTCCTGGTTGG
 CATTGAGGGAGTCATGC CCTGGTTGGCATTGAGGGAG 0.208927 1
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 CACCTACCTTTGACGGTAGAGGA AAGGCACCTACCTTTGACGG 0.328737 1
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 25220 100 chr08|11978:26199310-26199427:1
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 CCGTGAGGTATCGGTATCTCGAG 0.495335 1
 utr_antisense, repeat_sense, exon_antisense,
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 OC_Os02g43870. 1, LOC_Os06g27800. 2, LOC_Os08g41720. 1, LOC_Os02g42110. 1, L
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 25288 436 chr08|11978:26929794-26929933:1
 AACTCAGGCCCGTCACGAATGACACATATCAGTGACGAGCCGTAGTTTAGACCCGATTGAG
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 GACCTGCGTT ATGTGTCATCCGTGACGGACCTG 0.811798 1

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 25443 5614 chr09|11979:377440-377511:1
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 25445 1100 chr09|11979:386411-386498:1
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25503 126 chr09|11979:608597-608676:1

TCTTTTGTCCGGTTCGTGGCTTCAACCGGGACTAAAGATATCTTTAGTCCCGGTTGGTAG
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repeat_sense, igr_sense,

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OC_Os03g55340. 1, LOC_Os06g45270. 1, LOC_Os02g37400. 1, LOC_Os08g13430. 1, LO
C_Os08g23829. 1, 2164

25583 126 chr09|11979:1349800-1349883:1

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TAACACCAACAGGAAAAAAGAT TCCCGGTTGGTAACACCAACAGG 0.344696 1

repeat_sense, igr_sense,

LOC_Os06g22430. 1, LOC_Os06g02650. 1, LOC_Os02g50650. 1, LOC_Os03g15700. 1, L
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25591 20178 chr09|11979:1391634-1391719:1

CTGCCATTGATCCGGAGGTTCCGGACTGTAGAACCCGGAACCTCCGGGCCTGGAGATGTCC
GGAGGTTCCGATCAATAGGACCCAG GTCCGGAGGTTCCGATCAAT 0.355016 0

cds_antisense, exon_antisense,

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25613 126 chr09|11979:1552215-1552298:1

ATCTTTTTTCCCGTTGATAACACCAACCGGGACTAAAAATAGATCTTTAGTCCCGGTTGG
TGTCACCAACCGGAATAAAGAT GGTGTTGTGTCACCAACCGGGA 0.618878 1

repeat_sense, igr_sense,

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5136

25662 3274 chr09|11979:2238314-2238411:1

GTCAGACACCCGAAGTTCCGGGCAAAATGACCGGATGTTCTGCCCTGTAAGACTGGAAG
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0.270573 1 exon_sense, cds_sense,

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25817 1384 chr09|11979:3573623-3573758:1

GAGGCTCGCGAGCTGCTTGAGCTTGGCTCGCTGTAGACTCGGCTCGAGCTCGATTTCGTCAA
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GAGCCC CGAGCTCGAATAGCTCGTCG 0.134446 1 repeat_sense, igr_sense,
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26007 1100 chr09|11979:5230472-5230559:1

GACCCACATCCGACTGGTTTCCAGTCGGGGGCTCTGGGTTGTTGCAGTTTCAGTAGCTGC
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repeat_sense, cds_antisense, exon_antisense,
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26051 126 chr09|11979:5539770-5539866:1

GAGGAAGATCTTTAGTCCCGGTTGTTGTACCAACCGGGACTAAAAATCATCTTTAGTCCCGGTTGGAGTTTCCAACCGGGACTAAAGTTCATCTTT TTCCAACCGGGACTAAAGTT 0.0961208
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26066 126 chr09|11979:5641674-5641747:1

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repeat_sense, igr_sense,

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26095 20341 chr09|11979:5894863-5894975:1

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26153 1522 chr09|11979:6316354-6316437:1

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26154 126 chr09|11979:6358768-6358839:1
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 26325 1920 chr09|11979:7697910-7698012:1
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 _Os02g30670.1, LOC_Os09g10510.1, LOC_Os06g19250.1, 195
 26336 20401 chr09|11979:7775320-7775433:1
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 CTCTTGGTCGAGACGCCAGT 0.534959 1
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 26386 20416 chr09|11979:8291096-8291186:1
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26619 126 chr09|11979:10399337-10399468:1
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516

26827 1522 chr09|11979:12003585-12003693:1

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27067 126 chr09|11979:13927710-13927798:1
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27264 48 chr09|11979:15159049-15159194:1
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27312 126 chr09|11979:15701474-15701602:1
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27442 654 osa-MIR1661 chr09|11979:16950820-16950928:1
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27446 1920 osa-MIR439c chr09|11979:16962026-16962118:1
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27462 796 chr09|11979:17086008-17086152:1
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27613 314 chr09|11979:18679037-18679119:1
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27814 20956 chr09|11979:20723132-20723251:1
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28081 1320 chr10|11980:308964-309108:1

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28170 3690 chr10|11980:783270-783411:1

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28814 1920 osa-MIR439b chr10|11980:5338998-5339055:1

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30941 654 osa-MIR166a chr10|11980:19657472-19657614:1

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31063 588 chr10|11980:20582529-20582614:1

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31107 6716 osa-MIR171d chr10|11980:20907633-20907757:1

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31896 5614 chr11|11981:7407633-7407704:1

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31907 126 chr11|11981:7495415-7495493:1

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32083 796 chr11|11981:10356859-10356953:1

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0.135177 1 repeat_sense, igr_sense,

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32084 1954 chr11|11981:10356852-10356961:1

GATACCAGGTACCAGGCCTGATACCTATGGGTACCAGGTCTGACACCTAACCATGACACCT
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LOC_Os03g47584.1, LOC_Os07g27120.2, LOC_Os11g37840.1, LOC_Os03g15420.1, LOC_Os07g36510.1, LOC_Os02g26900.1, LOC_Os01g45010.1, LOC_Os03g01520.1, LOC_Os08g36830.1, LOC_Os08g37360.1, LOC_Os11g09050.1, LOC_Os03g14390.1, LOC_Os08g33030.1, LOC_Os08g34920.1, LOC_Os04g33230.1, LOC_Os01g10800.1, LOC_Os09g36270.2, 532

32094 436 chr11|11981:10507929-10508016:1

GTTAATGCCCGTCACAGATGAGTCATCTGTGACGTGCTATAATTAATGCCCGTCACAGATG
ACTCATCTATGACGGGCTATAGTTAAT GATGACTCATCTATGACGGGC 0.734281 1

repeat_sense, igr_sense,

LOC_Os09g11300.1, LOC_Os04g25720.1, LOC_Os11g20580.1, LOC_Os11g35540.1, LOC_Os04g14890.1, LOC_Os07g08450.1, 762

32154 5698 chr11|11981:11312023-11312098:1

GGAAGAACTCCGAAGTTCCGGGCAGCTTTCTCTGCTGTGAGAAAAAGCTGCCAGGAAGT
TCCGGACCTTTTGCCAAAGCTGCCAGGAAGTTCCGGAC 0.804315 1

repeat_sense, igr_sense,

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32205 1522 chr11|11981:12009560-12009684:1

GAGATGTCCAACGTCAGACCAAATACATTGGCGCTAACATCTGGATGGGCTGAGGAGTAG
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GGCGCCAACCACTTTGGCGCTGAGGT 0.562347 0

repeat_sense, igr_sense,

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32266 436 chr11|11981:13198803-13198917:1

TTACCCTATGGCCGATCACAGATGAGTCATCAGTGACGGGCCTGATTGTCATCTCAATCGG
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GATGAGTCATCAGTGACGGGCC 0.338043 1 repeat_sense, igr_sense,
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32287 750 chr11|11981:13565208-13565289:1

GCGATCTGACCGAAGTAGATGCGCCGGTCTGACCGCTGATGAACATCGGTCTGACCGGTG
TAGATCAATCGGTCTGACCGC ACCGGTGTAGATCAATCGGTC 0.57184 0

repeat_sense, igr_sense,
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32317 126 chr11|11981:13854385-13854462:1

TAAAGATATCTTTACTCCTGTTGTTGAGAACAACCGGGACTAAAGATTCTCAACAACCGG
GAGTAAAGATATCTTTA TCAACAACCGGGAGTAAAGA 0.604891 1

repeat_sense, igr_sense,
LOC_Os07g14430. 1, LOC_Os09g17360. 1, LOC_Os12g17280. 1, LOC_Os08g26860. 1, LOC_Os11g31890. 1, LOC_Os01g15580. 1, LOC_Os04g42900. 1, LOC_Os09g15100. 1, LOC_Os10g01560. 1, 2141

32368 436 chr11|11981:14568858-14568955:1

GCCCGACGCCGATAAGAGTCATCGATGACGGGCATTCAGGCCATCTCAATCGGGCCTTCTT
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32385 588 chr11|11981:15040897-15040994:1

ACCTTATATTAGATGGGACACATCCTAATACGACGAATCTGGACATAGTCCTGTCCAGTTT
CGTTGTATACAAGGATGTGTCCCATCCAGTACAAGGT AAGGATGTGTCCCATCCAGT 0.399886

1 repeat_sense, igr_sense, LOC_Os09g14490.1, LOC_Os04g53830.1,
 115
 32405 14 chr11|11981:15346696-15346840:1
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 CAGGCGGATTCTATAATTCGTCTCGCGGTTTACAGGCG 1.06944 1
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 32459 24 chr11|11981:16041949-16042072:1
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 CACGGGATAATCGATTAACC 0.360733 1 repeat_sense, igr_sense,
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 242
 32507 126 chr11|11981:17082655-17082740:1
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 GTGTTACTAACCAGGACTAAAGATC CCGGTTGGTGTACTAACCAGGGA 0.359212 1
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 32554 126 chr11|11981:17651693-17651799:1
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 GTTACCAACCGGGACTAAAGAT 0.303069 1 repeat_sense, igr_sense,
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 32570 126 chr11|11981:17951319-17951399:1
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 32571 126 chr11|11981:17951319-17951399:1
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 32602 126 chr11|11981:18383038-18383155:1
 GTCCCGGTTGGTAACACCAACCGGGACTAAAGATGATTTTTAGTCCGGTTCATCCCTTATC
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 32631 2280 chr11|11981:18683635-18683746:1
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 32645 126 chr11|11981:18811993-18812094:1
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 32649 22981 chr11|11981:18850003-18850074:1
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32651 614 chr11|11981:18897021-18897125:1

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0.622875 1 igr_sense,

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32848 126 chr11|11981:21697974-21698057:1

AGCTTGATCTTTAGTCCCGGTTGGTAACACCAAGCCATCTTTACTCCCGGTTGGTGTTACC
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repeat_sense, igr_sense,

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 33431 614 chr12|11982:1136199-1136291:1
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33462 1522 chr12|11982:1423751-1423819:1

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33541 10250 chr12|11982:2310721-2310841:1

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33635 314 chr12|11982:3324106-3324176:1

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33777 100 chr12|11982:5148737-5148865:1

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33816 126 chr12|11982:5599938-5600021:1

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33841 126 chr12|11982:5887692-5887826:1

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33915 126 chr12|11982:6494996-6495120:1

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33922 126 chr12|11982:6526340-6526413:1
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 34022 23354 chr12|11982:7361715-7361829:1
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34063 126 chr12|11982:7843848-7843982:1
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OC_Os12g17280.1, LOC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os01g20950.1, L
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34086 14 chr12|11982:8038536-8038655:1
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LOC_Os11g34230.3, LOC_Os06g50890.4, LOC_Os01g56900.2, LOC_Os07g04160.2, L
OC_Os01g10030.1, LOC_Os03g37960.1, LOC_Os11g34230.4, LOC_Os12g28100.1, L
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OC_Os12g32680.1, LOC_Os07g48680.1, LOC_Os01g65130.1, LOC_Os05g46420.1, L
OC_Os01g25300.1, LOC_Os01g46130.2, LOC_Os01g46130.3, LOC_Os03g63310.1, LOC_O
s06g50890.2, 4819

34175 126 chr12|11982:9077394-9077514:1
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OC_Os08g27180.1, 5460

34177 126 chr12|11982:9077386-9077522:1
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5309

34196 126 chr12|11982:9249344-9249479:1
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34216 3592 chr12|11982:9482620-9482730:1

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34257 5804 chr12|11982:9938709-9938807:1

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34437 23477 chr12|11982:12141167-12141312:1

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 38
 34448 126 chr12|11982:12231113-12231182:1
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 34654 126 chr12|11982:14593017-14593106:1
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 34743 9552 chr12|11982:15354982-15355058:1
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34957 1100 chr12|11982:17285530-17285617:1

GGCCTGCGTCCGACTGGTTCCAGTCGGGGCTCTTGAGTTGTTGCCGTTTCAGTTGTTGC
CGACTGGTTTCCAGTCGGCGGCAGGTC GCCGACTGGTTTCCAGTCGGCGGC 0.507304 1

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34987 24 chr12|11982:17664736-17664844:1

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CGTCCGCCTGCGAAGATTAT 0.32218 1 repeat_sense, igr_sense,
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35038 654 osa-MIR166g chr12|11982:18300803-18300947:1
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TTGTTGTAAGTGCCATTAGTTCTTTTTGTTTCCGAGTTTGTATCGAGGATCTCGGACCAGGCTTCAT
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_Os04g49300.1, LOC_Os11g45899.1, LOC_Os03g43930.1, LOC_Os03g10290.1, LOC
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35123 126 chr12|11982:19239492-19239575:1
ATCTTTTTTCCCAGTTGGTGTTACCAACCGGGACTAAAGATTGATCTTTAATCCCGGTTGG
TAACACCAACCGGGACTAAAGAT GGTGTTAACACCAACCGGGA 0.286989 1
intron_antisense, repeat_sense,
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OC_Os04g06630.1, LOC_Os08g13430.1, LOC_Os08g23829.1, 5230

35125 126 chr12|11982:19279910-19279994:1
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GTGTTACCAACCGGGAAAAAAGAT CCCGGTTGGTGTACCAACCGGGA 0.448998 1
repeat_sense, igr_sense,
LOC_Os11g36150.1, LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, L
OC_Os04g06630.1, LOC_Os07g11720.1, LOC_Os05g18294.4, LOC_Os01g20950.1,
5738

35126 126 chr12|11982:19279910-19279994:1
ATCTTTAGTCACGGTTGGTGACACCAACCGGGACTAAAGATCTATTTTGTAGTCCCCGGTTG
GTGTTACCAACCGGGAAAAAAGAT GTTGGTGTACCAACCGGGA 0.267172 1
repeat_sense, igr_sense,
LOC_Os11g36150.1, LOC_Os08g45200.1, LOC_Os09g17360.1, LOC_Os02g08060.1, L
OC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os07g11720.1, LOC_Os05g18294.4, L
C_Os08g23829.1, 5118

35200 1100 chr12|11982:20138664-20138751:1
GGCCTGCGTCCGACTGGTTCCAGTCGGGGGCTCTGAGTTGTTGCCGTTTCAGTTGTTGC
CGACTGGTTTCCAGTCGGCGGCAGGTC TGCCGACTGGTTTCCAGTCGGCGGC 0.625031 1
repeat_sense, cds_antisense, exon_antisense,
LOC_Os09g19600.1, LOC_Os06g48450.1, LOC_Os01g29370.1, LOC_Os08g24260.1, L
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35227 126 chr12|11982:20349058-20349201:1

TCTTTAGTCCCGAGATCTTTAGTCCTGGTTGGTGGACTAAAGATTCCGGGGAGCCTGACAG
GCCCTGACAGCATTGAACCGGGACTAGCCTGACAGGCCCTGACAGCATTGAACCGGGACTAAAGATC
TCGGGGATTAAAGA TGAACCGGGACTAAAGATCTCGGG 0.202207 1

repeat_sense, igr_sense,

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35277 126 chr12|11982:20948068-20948146:1

GCAATTTTGTAGTCCCGGATTCGTAGTCCCGCTTGGAGAACCGGGACTACAGGGGGGTTAC
GAACCGGGACTAAAAAGC GGGTTACGAACCGGGACTAAA 0.139387 1

repeat_sense, igr_sense,

LOC_0s05g09210.1, LOC_0s07g14430.1, LOC_0s01g28080.1, LOC_0s09g16060.1, LOC_0s09g03939.2, LOC_0s07g13090.1, LOC_0s11g37610.1, LOC_0s12g40960.1, LOC_0s11g36280.1, LOC_0s01g04150.1, LOC_0s05g18294.4, LOC_0s03g43080.1, LOC_0s04g28650.1, LOC_0s09g03939.1, LOC_0s01g20950.1, LOC_0s12g06960.1, LOC_0s06g32290.1, LOC_0s11g06630.1, LOC_0s12g40700.1, LOC_0s04g37420.1, LOC_0s10g28550.1, 3405

35316 126 chr12|11982:21482825-21482909:1

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repeat_sense, igr_sense,

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35323 1196 chr12|11982:21601154-21601289:1

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AGCACC ACCAGCGAGTAGAATTATCTCTC 0.561473 0 repeat_sense, igr_sense,
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35365 126 chr12|11982:22050847-22050942:1

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0.137546 1 repeat_sense, igr_sense,
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35422 126 chr12|11982:22660757-22660850:1

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35442 23759 chr12|11982:22904711-22904790:1
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35570 188 chr12|11982:24270609-24270695:1
ACGGTACCAAATCGTTTCTAATCGTTGGATCTAATAATACCCATCCTACCCAGCTAGATCC
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35611 364 chr12|11982:24685019-24685110:1
GGCTACCAGATACCAGGTATCACGGGGTACCAGGTACTAGGTACCAGGCATCACGGATACC
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35630 24 chr12|11982:24848457-24848536:1
TATTGAAGTCTATTTTCGCAAGCGGACCACTTAAGCGTCGCCTACGAAAAGTGGTCCGCCT
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repeat_sense, igr_sense,
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35649 614 chr12|11982:24999047-24999204:1
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1 repeat_sense, igr_sense,
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35681 5614 chr12|11982:25246761-25246834:1

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repeat_sense, igr_sense,

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366

35724 126 chr12|11982:25714330-25714480:1

TCAATCTTTAGTACCGGTTGGTGTTACCAACCAGGACTAAAGATCTATTTGTAGTCCCGGT
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CCAACCGGGAGTAAAGATCGA GGTGGTAAAAACCAACCGGGAGT 0.0625072 1

repeat_sense, igr_sense,

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4274

35830 126 chr12|11982:26906225-26906309:1

CCGGTTGGTGTTACCAACCGGGACTAAAGATCACCGACCGGTACTAAAGTTACGATCTTTA
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 35831 126 chr12|11982:26906217-26906317:1
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 36030 1522 chr01|11971:2065544-2065674:-1
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 intron_antisense, repeat_sense,
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36083 7240 chr01|11971:2671561-2671705:-1
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 cds_antisense, exon_antisense,
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36119 126 chr01|11971:3237668-3237799:-1

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36180 126 chr01|11971:4353887-4353975:-1

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36236 48 chr01|11971:5092202-5092273:-1

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36258 6292 chr01|11971:5460040-5460140:-1

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36262 126 chr01|11971:5471050-5471143:-1

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36264 588 chr01|11971:5477598-5477675:-1

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36315 368 chr01|11971:6365610-6365744:-1

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36316 368 chr01|11971:6365620-6365736:-1

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GTACGCTGAAGGTCCCTCAACTTG 0.45246 1 repeat_sense, igr_sense,
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36328 2712 osa-MIR159c chr01|11971:6552852-6553041:-1
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36330 2712 osa-MIR159d chr01|11971:6560561-6560742:-1
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ATTGGATTGAAGGGAGCTCCGGC 0.100404 1 igr_sense,
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36341 10834 osa-MIR319b chr01|11971:6674374-6674568:-1
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LOC_0s01g59660. 1, LOC_0s01g59660. 3, LOC_0s01g59660. 2, LOC_0s12g42190. 1, L
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36446 126 chr01|11971:8011390-8011469:-1
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OC_0s01g17402. 2, LOC_0s05g39470. 1, LOC_0s12g34010. 1, LOC_0s05g01120. 1, L
C_0s09g17020. 1, LOC_0s12g18420. 1, 1252
36475 126 chr01|11971:8321838-8321920:-1
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GGTGTTATCAACCGGGATTAAA CGGTTGGTGTTATCAACCGGGA 0.66991 1
repeat_sense, igr_sense,
LOC_0s08g45200. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, LOC_0s12g13480. 1, L
OC_0s04g06630. 1, LOC_0s08g13430. 1, LOC_0s08g23829. 1, 4150
36476 126 chr01|11971:8321838-8321920:-1
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GGTGTATTACCAACCGGGAITAAAT TCCGGTTGGTGTTATCAACC 0.191329 1
repeat_sense, igr_sense,
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36500 24129 chr01|11971:8583243-8583315:-1
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GCTATCATTCTC CTTGCATGCATGCAGGCTAT 0.126133 1
utr_sense, exon_sense,
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36569 5614 chr01|11971:9729628-9729700:-1
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LOC_0s07g22494.1, LOC_0s07g22494.2, LOC_0s05g25570.1, LOC_0s05g51420.5, L
OC_0s11g35670.1, LOC_0s09g21420.1, LOC_0s02g46380.3, 228
36570 2712 osa-MIR159e chr01|11971:9757485-9757676:-1
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C_0s01g12700.1, LOC_0s03g58060.1, LOC_0s01g59660.2, LOC_0s12g01790.1, LOC_0s08g35900.1, LOC_0s12g10550.1, LOC_0s04g31030.1, LOC_0s05g41166.1, LOC_0s08g35948.1, LOC_0s06g25540.1, LOC_0s06g40330.1, LOC_0s03g58060.2, LOC_0s08g35948.2, LOC_0s08g35900.2, LOC_0s01g11430.1, 24
 36573 24154 chr01|11971:9777369-9777458:-1
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 36580 364 chr01|11971:9973087-9973178:-1
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 1 repeat_sense, igr_sense,
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 36594 126 chr01|11971:10255594-10255729:-1
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 36616 24171 chr01|11971:10576044-10576132:-1
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 repeat_sense, intron_sense,
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 36680 126 chr01|11971:11475176-11475260:-1
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36707 588 chr01|11971:11768954-11769045:-1
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119

36728 126 chr01|11971:12078867-12078952:-1
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405

36731 588 chr01|11971:12128596-12128694:-1
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1 repeat_sense, igr_sense,
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36734 588 chr01|11971:12215322-12215392:-1
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intron_antisense, repeat_sense,
LOC_0s04g31120.2, LOC_0s06g48030.3, LOC_0s06g37610.1, LOC_0s04g31120.1, L
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36824 126 chr01|11971:13453857-13453939:-1
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repeat_sense, igr_sense,
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OC_0s06g20250.1, LOC_0s01g20950.1, LOC_0s07g20680.1, LOC_0s08g23829.1, L
C_0s12g40700.1, 3606

36838 24 chr01|11971:13594131-13594211:-1
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OC_0s08g07830.1, LOC_0s03g61540.2, LOC_0s12g16570.1, LOC_0s11g10610.1, LOC_0s08g44950.1, LOC_0s09g25860.1, 180
 36855 126 chr01|11971:13818787-13818919:-1
 ATCTTTAGTCCCGGTTTGTGTTACCAACCGGGACTAAAGATCATCTTTAGTCCCGGTTCTGA
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 36899 24 chr01|11971:14424981-14425067:-1
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 36913 126 chr01|11971:14558298-14558433:-1
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 TCAGCGCCACGCTATTTGGCGCTG 1.00629 1
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 36929 1920 chr01|11971:14926141-14926243:-1
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36934 126 chr01|11971:14996063-14996223:-1
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OC_Os05g11550.1, LOC_Os04g15640.1, LOC_Os04g54110.1, LOC_Os05g18294.4, L
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36943 126 chr01|11971:15060684-15060777:-1
GGGAGTACCAATCCGGGACTAAAGATCGCTATCTTTAGTCCCGGTTGAAATAACCGGGAGT
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1 repeat_sense, igr_sense,
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36971 126 chr01|11971:15438227-15438362:-1
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37017 126 chr01|11971:16135594-16135689:-1
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37018 126 chr01|11971:16135730-16135826:-1
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37145 24328 chr01|11971:18511755-18511858:-1

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37164 126 chr01|11971:18843673-18843808:-1

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37256 1920 chr01|11971:20206991-20207081:-1

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 37291 24372 chr01|11971:20601717-20601823:-1
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 ACATGTGGACCCGAGTGCCA 0.162626 1 igr_sense,
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 37397 126 chr01|11971:22108638-22108773:-1
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 37402 7066 chr01|11971:22183513-22183606:-1
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 37416 24 chr01|11971:22370484-22370565:-1
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 37422 436 chr01|11971:22534926-22535024:-1
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 37500 126 chr01|11971:23752628-23752711:-1
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 LOC_0s05g09210.1, LOC_0s08g45200.1, LOC_0s01g28080.1, LOC_0s04g27010.1, LOC_0s09g03939.2, LOC_0s04g06630.1, LOC_0s07g13090.1, LOC_0s11g37610.1, LOC_0s12g40960.1, LOC_0s01g04150.1, LOC_0s05g18294.4, LOC_0s03g43080.1, LOC_0s09g03939.1, LOC_0s01g20950.1, LOC_0s12g06960.1, LOC_0s08g23829.1, LOC_

Os06g32290.1, LOC_Os11g06630.1, LOC_Os12g40700.1, LOC_Os07g25080.1, LOC_Os04g37420.1, 5074

37524 126 chr01|11971:23944822-23944917:-1

AAGATGTTACCAACGGGGACTAAAGATCCTCGCCCCCTGACTGACACGGGATGAACCGGG
AGTAAAGATGATCTTTAGTCCCGTTGGTGTTTTT GATCTTTAGTCCCGTTGGTGT

0.478542 1 repeat_sense, igr_sense,

LOC_Os02g16630.1, LOC_Os03g27080.2, LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os08g02990.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os11g36280.1, LOC_Os03g27080.1, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os01g38580.1, LOC_Os10g01560.1, LOC_Os08g27180.1, 13574

37525 126 chr01|11971:23945581-23945675:-1

CTTTGATCTTCAGTCCCGTTGGTGTACCAACTAGGAAAAAAGAGAGGAATCTTTAGTCC
CAGTTGATAACACCAACCGGGACTAAAGAGAGAG TAACACCAACCGGGACTAAAG 0.722615

1 repeat_sense, igr_sense,

LOC_Os05g48240.2, LOC_Os06g22430.1, LOC_Os07g14430.1, LOC_Os09g17360.1, LOC_Os04g06630.1, LOC_Os08g26860.1, LOC_Os05g09240.1, LOC_Os05g48240.1, LOC_Os11g14740.1, LOC_Os05g48240.3, LOC_Os05g18294.4, LOC_Os08g23829.1, 6447

37596 614 chr01|11971:25099624-25099710:-1

GAAAAAGATGGTGGGGCCCATGTGGGGCCACATGTCAGCTAAAAAATAAGATGGTGGGGA
CCACGTGGGCCCCACAAGTCCCTTTC ACCACGTGGGCCCCACAAGTC 0.650008 1

repeat_sense, igr_sense,

LOC_Os12g32960.1, LOC_Os04g46639.1, LOC_Os05g23720.1, LOC_Os02g06830.1, LOC_Os08g09400.1, LOC_Os01g53820.1, LOC_Os01g64370.1, LOC_Os01g23890.1, LOC_Os04g10230.1, LOC_Os07g02190.1, LOC_Os03g44190.1, LOC_Os08g38450.1, LOC_Os08g34560.1, LOC_Os01g44350.1, LOC_Os05g40000.1, LOC_Os01g67700.1, LOC_Os05g24680.1, LOC_Os04g43810.1, LOC_Os08g09930.1, LOC_Os11g25440.1, LOC_Os04g48280.1, LOC_Os05g32640.1, LOC_Os01g41950.1, LOC_Os03g09830.1, LOC_Os06g28480.1, LOC_Os09g28410.1, LOC_Os01g11820.1, LOC_Os02g13020.1, LOC_Os07g49090.1, LOC_Os02g50470.1, LOC_Os07g40140.1, LOC_Os01g46900.1, LOC_Os05g11220.1, LOC_Os01g41110.1, LOC_Os03g14669.1, LOC_Os04g46950.1, LOC_Os11g30510.1, LOC_Os03g09830.2, LOC_Os09g06750.1, LOC_Os06g10320.1, LOC_Os02g06830.2, LOC_Os07g43364.1, 1073

37599 24461 chr01|11971:25248959-25249053:-1

TGACTTACTTCCCTTTGACTTGGAGTCACTGACATGTGGGCCCGCTACCTAAAGGGCCAAC
ATGTCGGTGATCCCTGTCAGAGGTAAGTAAGTCA CGGTGATCCCTGTCAGAGGTAA

0.0450438 1 intron_sense, LOC_Os01g26120.1, LOC_Os04g28220.1, 3

37634 6616 chr01|11971:25882823-25882918:-1

GTTTGCTGAATCGGCTGCTGCTGGATTGGGTCAACAGTAGGTTGAGGTGGTAAGAACATAG
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0.414985 1 intron_antisense, repeat_sense,

LOC_Os08g05250.1, LOC_Os07g18330.1, LOC_Os05g22750.1, LOC_Os03g33260.1, LOC_Os11g34290.1, LOC_Os01g64080.1, LOC_Os11g18410.1, LOC_Os07g27200.1, LOC_Os03g39350.1, LOC_Os03g37194.1, LOC_Os11g11820.1, LOC_Os06g20660.1, LOC

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37647 468 chr01|11971:26188278-26188460:-1

GCAATTTGGGAAATTGTAAACGTGGCACTCCGTCATGTTTTCCGTCCTCAATGTGGGATC
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ATTTTGTACGGAACGCGACAGAGTGGCACGGTTCCAATTTCCCCAAATTCC

GAGTGGCACGGTTCCAATTTC 0.0813932 0 repeat_sense, igr_sense,
LOC_Os01g03810. 1, LOC_Os08g31850. 1, LOC_Os07g41300. 1, LOC_Os06g20100. 1, LOC_Os06g20710. 1, LOC_Os04g24410. 2, LOC_Os08g30140. 1, LOC_Os02g13480. 1, LOC_Os01g04390. 1, LOC_Os10g29274. 1, LOC_Os04g27710. 1, LOC_Os04g06070. 1, LOC_Os08g33440. 1, LOC_Os07g33750. 1, LOC_Os02g42880. 1, 218

37702 126 chr01|11971:26969178-26969265:-1

CGATCTTTTTTCTGTTGGTAACACCAAACGGGACTATAAATGGATCTTTAGTCCCGGTT
GGTGTTACCAACCGGACTAAAGATTG GGTGTTACCAACCGGACTA 0.0969308 1

repeat_sense, igr_sense,
LOC_Os05g09210. 1, LOC_Os08g45200. 1, LOC_Os01g28080. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os09g03939. 2, LOC_Os04g06630. 1, LOC_Os07g13090. 1, LOC_Os12g40960. 1, LOC_Os05g18294. 4, LOC_Os03g43080. 1, LOC_Os09g03939. 1, LOC_Os01g20950. 1, LOC_Os12g06960. 1, LOC_Os08g23829. 1, LOC_Os06g32290. 1, LOC_Os11g06630. 1, LOC_Os04g37420. 1, 5642

37719 10834 osa-MIR319a chr01|11971:27150133-27150320:-1

TGTGTAAGAAGAGAGCTCTCTTCAGTCCACTCTCAGATGGCTGTAGGGTTTTATTAGCTGC
CGAATCATCCATTACCTACCAAGAAAGTTGCAGGAGTGTATCTCTTGGTAGCGGACTGGATGACGCGG
GAGCTAAAATTTAGCTCTGCGCCGTTTGTGGTTGGACTGAAGGGTGCTCCCTTGCTCA

TTGGAAGGGTGCTCCC 1 igr_sense, HASH(0xecbd91c)
LOC_Os01g59660. 1, LOC_Os01g59660. 3, LOC_Os01g59660. 2, LOC_Os12g42190. 1, LOC_Os03g57190. 1, LOC_Os07g05720. 1, 2

37768 126 chr01|11971:27845483-27845607:-1

TTTAGTCCCGGTTGTTGTTACCAACCGGACTAAAAATCATCTTTACTCCCGGTTGATTCC

ATGTCAGGCTGTGTCAGGGCCCTATGATCTTTAGTCCCGGTTAGTAACACCAACCGGGACTAAA
 AGTCCCGGTTAGTAACACCAACCGG 0.792295 1repeat_sense, igr_sense,
 LOC_Os03g04830.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g13480.1, L
 OC_Os04g06630.1, LOC_Os10g28000.1, LOC_Os07g03350.1, LOC_Os05g18294.4, L
 C_Os07g16830.1, LOC_Os07g23354.1, LOC_Os05g30000.1, LOC_Os08g08310.1, LOC
 _Os07g03440.1, LOC_Os08g13430.1, LOC_Os03g05040.1, LOC_Os08g23829.1, LOC_
 Os04g13630.1, 4457
 37771 24510 chr01|11971:27890929-27891025:-1
 TTCTATAACTATGAATTTGGATAGGGGCGTGCTGGATGTGACACATCTTATAACTACGAAT
 CTGGACATGCCCTGTCCAGATTCGTAGTTTATAGGA ATGCCCTGTCCAGATTCGT 0.970481
 1 repeat_sense, igr_sense,
 LOC_Os06g15810.1, LOC_Os07g12850.1, LOC_Os07g34980.1, LOC_Os04g53830.1, L
 OC_Os03g47960.1, LOC_Os08g04780.1, LOC_Os06g36650.1, 85
 37772 24511 chr01|11971:27890936-27891018:-1
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 TGGCCCTGTCCAGATTCGTAGT GGACATGCCCTGTCCAGAT 0.478709 1
 repeat_sense, igr_sense,
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 37776 3200 chr01|11971:28037939-28038030:-1
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 0.295695 1 repeat_sense, igr_sense,
 LOC_Os03g26500.1, LOC_Os10g23320.1, LOC_Os06g36380.1, LOC_Os06g49290.1, L
 OC_Os10g09750.1, 66
 37789 48 chr01|11971:28276968-28277061:-1
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 0.0438967 1 repeat_sense, igr_sense,
 LOC_Os12g18960.2, LOC_Os05g41190.1, LOC_Os09g36410.1, LOC_Os08g04300.1, L
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37864 24 chr01|11971:29798637-29798754:-1
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 CTTGTCCGCCTGCGAAAATATG 0.599762 1 repeat_sense, igr_sense,
 LOC_0s05g15330.1, LOC_0s06g13520.1, LOC_0s10g23030.1, LOC_0s12g33210.1, L
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 393

37905 48 chr01|11971:30394074-30394177:-1
 TACTCCCTCCGTTTCACAATGTAAGTCATTCTATTAGATTCATTAACATCAATATGAATG
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 AATGACTTACGTTGTGAAACGGAGG 0.670932 1 repeat_sense, igr_sense,
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37934 1080 osa-MIR399e chr01|11971:30804463-30804574:-1
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 HASH(0xedd5d80)
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 C_0s05g30220.1, LOC_0s08g05670.1, LOC_0s10g31864.1, LOC_0s09g39180.1, LOC
 _0s05g48390.1, LOC_0s04g10990.1, 23

37935 1080 chr01|11971:30804463-30804574:-1
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 GCTGCCAAAGGAGATTTGCC 0.692097 1 igr_sense,
 HASH(0xedccbc8)
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 37987 614 chr01|11971:31670710-31670784:-1
 TTCAGAGGGCCGTGGTCACTGACATGTGATCCCCACCACCTACGGGTCCACATGTCAGTGA
 CCACGTCAGGTGGG CACATGTCAGTGACCACGTC 1.01003 1
 cds_antisense, exon_antisense,
 LOC_Os12g04640.1, LOC_Os01g53779.1, LOC_Os11g25440.1, LOC_Os01g03549.1, LOC_Os01g14100.2, LOC_Os02g55480.1, LOC_Os01g54490.1, LOC_Os01g53779.2, LOC_Os10g36980.1, LOC_Os03g57910.1, LOC_Os07g04720.1, LOC_Os03g42370.1, LOC_Os08g30780.1, LOC_Os07g03030.1, LOC_Os11g12740.1, LOC_Os02g55480.2, LOC_Os06g42210.1, 209
 37997 464 chr01|11971:31834916-31835017:-1
 ATGTGGTTGTTTCATCTAGTCTGAGGACGTGGTATCATATTAATTTTCGTGCGATGGCTGAT
 AATAGAATGTCATGTCCTCGTCTAGGTGAAACGCCACAT
 GTCATGTCCTCGTCTAGGTGAAAC 0.599925 1repeat_sense, igr_sense,
 LOC_Os11g10420.1, LOC_Os01g69050.2, LOC_Os09g23350.1, LOC_Os05g35260.2, LOC_Os06g45480.2, LOC_Os11g07890.1, LOC_Os09g26170.1, LOC_Os06g12310.1, LOC_Os04g49194.1, LOC_Os02g41510.1, LOC_Os01g69050.1, LOC_Os05g35260.1, LOC_Os06g45010.1, LOC_Os06g45480.1, LOC_Os03g19860.1, LOC_Os06g02710.1, LOC_Os02g57790.1, LOC_Os12g12770.1, 105
 38005 314 chr01|11971:31952513-31952595:-1
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 AAGCTCCCCCAAATAGACCAGC CTGCTAGAAGCTCCCCCAAATAG 0.443092 1
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 38049 588 chr01|11971:32650913-32651011:-1
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 38162 24652 chr01|11971:34514248-34514361:-1
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 AGCACTGCAGCAGCTATAGG 0.632312 1 igr_sense,
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 38297 614 chr01|11971:36442416-36442476:-1
 GGTGTGCCACTGACATGTGGGTCCTATTTTGATATGGCCACATGTCAATGGCAAACT
 TGGCCACATGTCAATGGCAAAA 0.36044 1 repeat_sense, igr_sense,
 LOC_Os04g24020.1, LOC_Os02g04440.3, LOC_Os04g18010.1, LOC_Os07g41460.1, LOC_Os04g45900.1, LOC_Os02g43370.1, LOC_Os05g40170.1, LOC_Os02g04440.2, LOC_Os04g43810.1, LOC_Os02g57310.1, LOC_Os01g14100.2, LOC_Os01g09450.1, LOC_Os04g45750.1, LOC_Os05g05770.1, LOC_Os01g59160.1, LOC_Os05g04070.1, LOC_Os01g65510.1, LOC_Os08g36774.1, LOC_Os04g18010.2, LOC_Os01g09450.2, LOC_Os08g35930.1, LOC_Os08g30780.1, LOC_Os12g30600.1, 162
 38369 126 chr01|11971:37595528-37595663:-1
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 GCTGTC CATCTTTAGTCCCGGTTCA 0.229712 1 repeat_sense, igr_sense,
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 38388 796 chr01|11971:37891531-37891607:-1
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 repeat_sense, igr_sense,
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 38409 48 chr01|11971:38154350-38154435:-1
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38446 100 chr01|11971:38849568-38849669:-1

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38476 614 chr01|11971:39370528-39370717:-1

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38477 614 chr01|11971:39370534-39370711:-1

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GTATGACATGTGAGTCCCAC 0.0368948 1 repeat_sense, igr_sense,
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38500 3828 chr01|11971:39708944-39709120:-1

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GGTACGAGGACCGCTACGCTGCCGGTCGAAGACCAGTCGTAGCTGTT
CTACGCTGCCGGTCGAAGACCAGTC 0.272025 1

repeat_sense, cds_antisense, exon_antisense,
 LOC_Os07g10270.1, LOC_Os01g40480.1, LOC_Os07g37030.1, LOC_Os02g38000.1, LOC_Os04g20540.1, LOC_Os01g67760.1, LOC_Os07g20720.1, LOC_Os01g42870.1, LOC_Os12g25840.1, LOC_Os09g36060.1, LOC_Os06g48560.1, LOC_Os03g47702.1, LOC_Os12g19070.1, LOC_Os02g47700.1, LOC_Os08g34410.1, LOC_Os09g07280.1, LOC_Os06g22040.1, LOC_Os08g34450.1, LOC_Os06g46410.1, LOC_Os08g34430.1, LOC_Os04g31190.1, 129
 38509 52 chr01|11971:39861460-39861624:-1
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 1 repeat_sense, igr_sense,
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 38527 24809 chr01|11971:40188660-40188778:-1
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 LOC_Os12g15840.1, LOC_Os04g38100.1, LOC_Os06g32570.1, LOC_Os07g30710.1, LOC_Os01g23730.1, 22
 38534 434 chr01|11971:40332183-40332302:-1
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 38729 588 chr01|11971:42862837-42862939:-1
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 38750 944 chr01|11971:43118577-43118705:-1
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 ACAGCTGGCCTATTATGCCGCTGTT 0.338237 1 repeat_sense, igr_sense,
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38756 6120 osa-MIR172b chr01|11971:43250585-43250820:-1

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igr_sense, HASH(0xef964b4)

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38775 436 chr01|11971:43424224-43424296:-1

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cds_antisense, exon_antisense,

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 41187 368 chr02|11972:24659507-24659593:-1
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41308 368 chr02|11972:26042753-26042855:-1
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AAGGTCCCTTAAGTTCATCGAG 0.697759 1 repeat_sense, igr_sense,
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13460.1, 1950

41421 126 chr02|11972:27167295-27167380:-1
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41543 9524 chr02|11972:28477549-28477633:-1
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41587 126 chr02|11972:28978641-28978722:-1
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41804 126 chr02|11972:31355787-31355866:-1
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41805 126 chr02|11972:31356784-31356869:-1
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41906 654 osa-MIR166k chr02|11972:32429138-32429256:-1
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OC_Os01g33740.1, LOC_Os08g36660.1, 19

41907 654 osa-MIR166h chr02|11972:32429307-32429421:-1
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42005 126 chr02|11972:33261101-33261187:-1
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42023 10504 chr02|11972:33445159-33445251:-1
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42178 26348 chr02|11972:35137671-35137793:-1

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42179 6120 osa-MIR172d chr02|11972:35137671-35137793:-1

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42181 26350 osa-MIR418 chr02|11972:35176764-35176822:-1

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42332 3000 chr03|11973:982386-982475:-1

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42433 8678 chr03|11973:2779983-2780085:-1

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42434 8678 chr03|11973:2779983-2780085:-1

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0.224299 1 utr_antisense, exon_antisense,
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42475 126 chr03|11973:3551677-3551762:-1

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repeat_sense, igr_sense,

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42491 796 chr03|11973:3688556-3688637:-1
AGGTATCATGTGATACCTATCAGGTATCGCGTGATTCTACGATGTATCGGGGTGATACTT
GCGAGGTATCATATGATACCT GTGATACTTGCGAGGTATCAT 0.113693 1
repeat_sense, igr_sense,
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OC_Os11g12874.1, LOC_Os10g16720.1, LOC_Os10g24620.1, LOC_Os09g31442.1, L
C_Os05g39550.1, LOC_Os02g42080.1, LOC_Os12g28470.1, LOC_Os02g42750.1, LOC
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14270.1, LOC_Os08g33030.1, LOC_Os05g07380.1, LOC_Os01g73344.1, LOC_Os09g1
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42493 796 chr03|11973:3688731-3688814:-1
AGATATCAGATGATACCTATCAAGTATCATGCGATTCTTACCACGTAGAGCGTGATACTTG
CGAGGTATCAGGTCCTGATACCT GCGTGATACTTGCGAGGTATCAGGT 0.0832125
1 repeat_sense, igr_sense,
LOC_Os02g18760.1, LOC_Os05g09720.1, LOC_Os04g38990.1, LOC_Os10g36229.1, L
OC_Os11g12874.1, LOC_Os09g31442.1, LOC_Os05g39550.1, LOC_Os12g40530.1, L
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_Os03g41770.1, LOC_Os05g16210.1, LOC_Os08g36830.1, LOC_Os08g37360.1, LOC_
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06g13150.1, LOC_Os03g42240.1, 600

42496 26472 chr03|11973:3764804-3764915:-1
CAGGTTTGGGTGGTAGCTGCTGGTGCTTTTGCTGTGGTGGAGTCAATGGCCTCATCACACG
GCCAGCCTCGTTGGCAAGTGTAGTAGTACTAGTACTAGTACTACCAGCTCTTG
AGTACTAGTACTAGTACTACCA 0.435151 1 intron_sense,
LOC_Os02g21090.1, LOC_Os07g01480.1, LOC_Os07g01480.2, LOC_Os11g08660.1, L
OC_Os08g36670.1, LOC_Os07g48910.2, LOC_Os02g21090.3, LOC_Os02g21090.2, L
C_Os07g11630.1, LOC_Os06g36520.1, LOC_Os09g29890.2, LOC_Os07g48910.3, LOC
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42527 26484 chr03|11973:4260819-4260927:-1
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GTCGGGTCGTAGAAGCGCTCGATGAGCGGAACATGGTGACTTGCCG
CGATGAGCGGAACATGGTGGA 0.385996 1
cds_antisense, exon_antisense,
LOC_Os04g49757.2, LOC_Os05g05760.1, LOC_Os09g25760.1, LOC_Os03g08380.1, L
OC_Os03g03600.1, LOC_Os06g18930.1, LOC_Os02g54150.1, LOC_Os11g19864.1, L

C_0s03g20700.2, LOC_0s11g33190.1, LOC_0s05g11610.1, LOC_0s08g15650.1, LOC_0s04g32210.1, LOC_0s11g38800.1, LOC_0s10g33960.1, LOC_0s10g07290.1, LOC_0s01g63420.1, LOC_0s04g49757.1, LOC_0s03g20700.1, LOC_0s10g28380.1, LOC_0s05g37690.1, LOC_0s07g08650.1, LOC_0s01g63420.3, LOC_0s11g42300.1, LOC_0s11g38800.2, LOC_0s02g46680.1, LOC_0s06g43620.1, LOC_0s08g34700.1, LOC_0s10g33960.2, LOC_0s04g47630.1, LOC_0s03g51990.1, LOC_0s01g63420.2, LOC_0s07g37320.1, LOC_0s02g49630.1, 10

42574 738 chr03|11973:4936051-4936214:-1

ACCGCGCGGTTACCGCGGTTACCGTGGTTACCACGCTTACCGCGGGGTACGGTAATATA
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0.132829 1 repeat_sense, igr_sense,

LOC_0s01g47130.1, LOC_0s01g73620.1, LOC_0s04g13220.1, LOC_0s10g33380.1, LOC_0s04g17480.1, LOC_0s01g08640.1, LOC_0s08g38810.1, LOC_0s12g16120.1, LOC_0s02g42980.1, LOC_0s01g53330.1, LOC_0s03g43130.1, LOC_0s11g06430.1, LOC_0s06g05790.1, LOC_0s01g60750.1, LOC_0s11g12420.1, LOC_0s01g06620.1, LOC_0s12g41100.1, LOC_0s09g10020.1, LOC_0s10g42100.1, LOC_0s06g47660.1, LOC_0s11g08080.2, LOC_0s11g17100.1, LOC_0s08g38810.2, LOC_0s01g73620.2, LOC_0s12g38240.1, LOC_0s04g53430.1, LOC_0s04g35720.1, LOC_0s03g17420.1, LOC_0s11g45820.1, LOC_0s01g25300.1, LOC_0s01g14260.1, LOC_0s02g47480.1, LOC_0s12g31360.1, LOC_0s01g33930.1, LOC_0s12g39300.1, LOC_0s06g14300.1, LOC_0s02g41640.1, LOC_0s08g02930.1, LOC_0s06g10960.1, LOC_0s04g46720.1, 383

42637 5614 chr03|11973:6130078-6130154:-1

GCTCGGTCTAGCTCATTAGGATAACGAGCCGGCTCGGCTCGGCTCGGCTCGTTATCCTAAC
GAGCTAGAAACCCAGC GCTCGTTATCCTAACGAGCTAGA 0.625675 1

repeat_sense, igr_sense,

LOC_0s07g22494.1, LOC_0s07g22494.2, LOC_0s05g25570.1, LOC_0s05g51420.5, LOC_0s11g46040.1, LOC_0s11g35670.1, LOC_0s02g46380.3, 347

42645 26532 chr03|11973:6244813-6244896:-1

GGGCCCTCGTCGTCGTGGCCGCGACGTAGGCGACGCCGTAGCCAGCTCGGCGGAGAACTC
GTCGGCGATGATGTGATCTGCTC AACTCGTCGGCGATGATGTGATC 0.182644 1

cds_antisense, exon_antisense,

LOC_0s07g33120.1, LOC_0s12g39640.1, LOC_0s01g54660.1, LOC_0s05g15360.3, LOC_0s04g53870.1, LOC_0s01g09170.1, LOC_0s06g37100.1, LOC_0s01g47170.1, LOC_0s04g32240.1, LOC_0s11g12690.1, LOC_0s09g19310.1, LOC_0s02g19170.1, LOC_0s08g27350.1, LOC_0s04g27230.1, LOC_0s05g37270.1, LOC_0s07g02560.1, LOC_0s02g51520.1, LOC_0s08g14470.1, LOC_0s09g23790.1, LOC_0s02g07570.1, LOC_0s04g21270.1, LOC_0s01g47250.1, LOC_0s07g30360.1, LOC_0s06g14160.1, LOC_0s09g40040.1, LOC_0s09g39270.1, LOC_0s07g30460.1, LOC_0s05g10780.1, LOC_0s08g36930.1, LOC_0s08g21220.1, LOC_0s08g02996.2, LOC_0s09g40050.1, LOC_0s09g37006.1, LOC_0s08g14550.1, LOC_0s06g06830.1, LOC_0s11g46930.1, LOC_0s06g48090.1, LOC_0s05g44880.1, LOC_0s11g31920.1, LOC_0s12g37010.1, LOC_0s04g05080.1, LOC_0s11g11490.1, LOC_0s07g15620.1, LOC_0s08g35510.1, LOC_0s04g03450.1, LOC_0s10g10849.1, LOC_0s10g10794.1, LOC_0s12g43900.1, LOC_0s06g050

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42744 126 chr03|11973:7916977-7917064:-1

TGATTTTTATTCCCGGTTAGTAACACCAACCGGAATAAAAATAGGTTTTTAGTCCCGGTT
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1 repeat_sense, igr_sense,

LOC_Os05g09210. 1, LOC_Os01g28080. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, L
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42782 2668 chr03|11973:8551568-8551695:-1

GTAGAGAGTCTATAGATAACCATTCGAGGTGCCCTTATGCTTCCGTTGTTTGAAATCAAG
GTGACTACGTCATTCGTTTCCATCGCTTGATTAGGGCACCCACAATGGTTATCTGTAGGCTCTCTAC
ATTAGGGCACCCACAATGGTTATCTGTA 1.26514 1

repeat_sense, igr_sense,

LOC_Os08g10000. 1, LOC_Os04g03720. 1, LOC_Os04g04970. 1, LOC_Os01g37350. 1, LOC_Os07g29970. 1, LOC_Os05g40050. 1, LOC_Os10g07990. 1, LOC_Os04g13900. 1, LOC_Os04g13810. 1, LOC_Os12g34460. 1, LOC_Os06g46360. 1, LOC_Os11g01750. 1, LOC_Os06g22919. 2, LOC_Os11g01460. 1, LOC_Os01g41650. 1, LOC_Os02g57030. 1, 606

42783 2668 chr03|11973:8551573-8551690:-1

GAGTCTATAGATAACCATTCGAGGTGCCCTTATGCTTCCGTTGTTTGAAATCAAGGTGAC
TACGTCATTCGTTTCCATCGCTTGATTAGGGCACCCACAATGGTTATCTGTAGGCTC

ATTAGGGCACCCACAATGGTTAT 1.10982 1 repeat_sense, igr_sense,

LOC_Os06g08590. 1, LOC_Os08g10000. 1, LOC_Os04g03720. 1, LOC_Os04g04970. 1, LOC_Os07g29970. 1, LOC_Os02g32480. 1, LOC_Os08g37700. 1, LOC_Os10g07990. 1, LOC_Os04g13810. 1, LOC_Os12g34460. 1, LOC_Os06g46360. 1, LOC_Os11g01750. 1, LOC_Os06g22919. 2, LOC_Os01g41650. 1, LOC_Os02g57030. 1, 585

42811 314 chr03|11973:9188244-9188321:-1

GGACTGTTTGGGGGAGCTTCTGGCAACTTGAGATTCTAGGAGAAGCTGCAGCTGCTAGAAG
CTCCCCAAAACAGGTCC CTGCTAGAAGCTCCCCAAAACAG 0.93849 1

repeat_sense, igr_sense,

LOC_Os08g05650. 1, LOC_Os03g26290. 1, LOC_Os06g30300. 1, LOC_Os03g61660. 1, LOC_Os03g31800. 1, LOC_Os01g47340. 2, LOC_Os04g15660. 1, LOC_Os01g35160. 2, LOC_Os12g44200. 1, LOC_Os07g05280. 1, LOC_Os12g40950. 1, LOC_Os08g13080. 1, LOC_Os08g05650. 2, LOC_Os07g47194. 3, LOC_Os05g03490. 1, LOC_Os11g47410. 1, LOC_Os08g13650. 1, LOC_Os04g58840. 1, LOC_Os11g45920. 1, LOC_Os04g06290. 1, LOC_Os09g09520. 1, LOC_Os04g23689. 1, LOC_Os01g35160. 1, LOC_Os02g57710. 1, 401

42845 26615 chr03|11973:9641015-9641085:-1

TGAACTCAGCGTCATGGACCTTGGCGTTGAGCTATAACGTCTCAATGCCAACGTTATTGGC
GCTAAACTCG CTCAATGCCAACGTTATTGGCGC 0.37668 0

repeat_sense, igr_sense,

LOC_Os10g28200. 1, LOC_Os06g14760. 1, LOC_Os04g08824. 1, LOC_Os10g28200. 2, LOC_Os02g09170. 2, LOC_Os02g30530. 1, LOC_Os02g09170. 1, 14

42873 1628 chr03|11973:10115691-10115778:-1

AATAAACGGGTGGACATCCACTCGAGCTGTAAAAATAGTTTCTACGGGATGGATTCTAATA
GCTCGAGTGGACGTCCACCGTTTATT AGCTCGAGTGGACGTCCACC 0.768704 1

repeat_sense, igr_sense,

LOC_Os04g55450. 1, LOC_Os04g24730. 1, LOC_Os01g23930. 1, LOC_Os05g32370. 1, LOC_Os07g36680. 1, LOC_Os11g15170. 1, LOC_Os01g41620. 1, LOC_Os04g41840. 1, LOC_Os02g45900. 1, LOC_Os09g17200. 1, LOC_Os03g24820. 1, LOC_Os12g15530. 1, LOC_Os04g02370. 1, LOC_Os01g36260. 1, LOC_Os04g53090. 1, LOC_Os05g16910. 1, LOC_Os11g13640. 1, LOC_Os03g05790. 1, LOC_Os04g59610. 2, LOC_Os01g36250. 1, LOC_O

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43030 368 chr03|11973:12741420-12741510:-1

TTGAGGGACCTAAAGTGAACCTATTCTGCGAAAATTCCATCTGATTGCGTGAATTTTCAGC
CTAAGAATAAGTTCACCGGAGGTCCCTCAA GAATAAGTTCACCGGAGGTCCCT 0.242844 1

repeat_sense, intron_sense,

LOC_Os03g24844. 1, LOC_Os02g18150. 1, LOC_Os02g54910. 1, LOC_Os01g02170. 1, LOC_Os04g48760. 1, LOC_Os06g21890. 1, LOC_Os05g40000. 1, LOC_Os08g04530. 1, LOC_Os03g24844. 2, LOC_Os05g39970. 1, LOC_Os07g48690. 1, LOC_Os05g42200. 1, LOC_Os04g45030. 1, LOC_Os01g02170. 2, LOC_Os07g43650. 1, LOC_Os03g09830. 1, LOC_Os03g18670. 1, LOC_Os10g25349. 1, LOC_Os02g17520. 1, LOC_Os03g24844. 3, LOC_Os12g09390. 1, LOC_Os01g34670. 1, LOC_Os03g09830. 2, LOC_Os07g40670. 1, LOC_Os03g18930. 1, LOC_Os06g20130. 1, 882

43071 10888 chr03|11973:13490885-13491001:-1

GGATGAATTTTAGAGTCGTTTTGGGACGCGACAATTGAGCCCCTAGCAGCAGGACACCAGC
CCTGTGCCATGACATCTCGGGTTTGTGCGTCCCAAAACGACTCTAAAATACATCC

TTGTCGCGTCCCAAAACGACTCTA 1.13214 1 repeat_sense, igr_sense,

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43072 10888 chr03|11973:13490891-13490995:-1

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 43258 126 chr03|11973:15701025-15701113:-1
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 ACCAACCGGGACTAAAGATCCTATCTTT CACCAACCGGGACTAAAGATC 0.847108 1
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 43285 468 chr03|11973:15963161-15963341:-1
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 TTGATGGAAAATATGACGGAGTGGCACGGTGGCAGTTTCCCTAAATGCCAG
 TGGCACGGTGCCAGTTCCCT 0.100276 1 repeat_sense, igr_sense,
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 43362 2258 chr03|11973:16916327-16916465:-1
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 ACACATTTG GCGTGTGCATCGGATATACGGA 0.582513 1
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43441 1522 chr03|11973:18284973-18285121:-1
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 repeat_sense, igr_sense,
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 43495 126 chr03|11973:18947871-18947948:-1
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 43623 26869 chr03|11973:20890940-20891080:-1
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43738 48 chr03|11973:22661040-22661154:-1

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43742 126 chr03|11973:22731016-22731100:-1

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43743 126 chr03|11973:22731020-22731096:-1
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 43761 126 chr03|11973:22988129-22988208:-1
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 43974 126 chr03|11973:25850645-25850724:-1
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ACACCAACCGAGAGTAAAG CCCGGTTGGTAACCAACCG 0.160324 1
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 43976 126 chr03|11973:25912335-25912418:-1
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 44033 126 chr03|11973:26715672-26715758:-1
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44228 126 chr03|11973:29558915-29558993:-1

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44293 654 osa-MIR166n chr03|11973:30343196-30343288:-1

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44853 126 chr04|11974:1524217-1524305:-1
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44863 126 chr04|11974:1551707-1551776:-1
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44866 24 chr04|11974:1571812-1571886:-1
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44938 126 chr04|11974:2100792-2100912:-1
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45008 126 chr04|11974:2706348-2706480:-1
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repeat_sense, intron_sense,
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45186 10068 chr04|11974:4111723-4111884:-1
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1 cds_antisense, exon_antisense,
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OC_Os04g07760.1, LOC_Os04g26560.1, 18
45308 126 chr04|11974:5379916-5380040:-1
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CTTTAGTCCCGGTTGGTAACACCAA 0.519728 1repeat_sense, igr_sense,
LOC_Os06g22430.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os06g04920.2, L
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45395 436 chr04|11974:6079159-6079262:-1
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0.311234 1 repeat_sense, igr_sense,
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45624 27487 osa-MIR530 chr04|11974:8283379-8283537:-1
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GGTGCAGAGGCAGATGCAACTATGTCATA AGGTGCAGAGGCAGATGCAACT 0.128367 1
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45625 27488 chr04|11974:8283382-8283534:-1
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GCAGAGGCAGATGCAACTATGTC CTAGGTGCAGAGGCAGATGC 0.618228 1
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46302 126 chr04|11974:13735107-13735193:-1

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46410 126 chr04|11974:14830039-14830186:-1

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3957

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47191 126 chr04|11974:22069776-22069907:-1
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47343 126 chr04|11974:23717665-23717745:-1
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 47981 1920 chr04|11974:31052460-31052526:-1
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GGTGCT TCGAACTGCCTCCGTTTCGACAGG 0.292616 1 repeat_sense, igr_sense,
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 igr_sense, HASH(0x10e9a2fc)
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 48138 126 chr04|11974:32528641-32528715:-1
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 repeat_sense, intron_sense,
 LOC_0s09g17360.1, LOC_0s04g06630.1, LOC_0s12g32670.1, LOC_0s05g18294.4, LOC_0s03g26630.2, LOC_0s08g23829.1, LOC_0s03g26630.1, 905
 48155 614 chr04|11974:32787024-32787127:-1
 CAAATGCCATCCGGGCCCACATGTCTCAGTCTCACTCTCCATTCAAACGAAAGTGATGCGGGA
 CCCGATGCTGAGTGAGGCTGACATGTGGGTCCGGTGGTATTTG TGAGGCTGACATGTGGGTCCG
 0.530961 1 igr_sense,
 LOC_0s01g34680.1, LOC_0s01g07910.1, LOC_0s05g05640.1, LOC_0s04g39330.1, LOC_0s10g18470.1, LOC_0s11g12290.1, LOC_0s06g36570.1, LOC_0s12g40530.1, LOC_0s07g40660.1, LOC_0s07g26250.1, LOC_0s05g40120.1, LOC_0s05g11470.1, LOC_0s11g11610.1, LOC_0s12g32560.1, LOC_0s10g35604.1, LOC_0s08g11820.1, LOC_0s01g47050.1, LOC_0s10g29640.1, LOC_0s04g08270.1, LOC_0s12g18790.1, LOC_0s11g20440.1, LOC_0s12g16670.1, LOC_0s12g39810.1, LOC_0s07g47130.1, LOC_0s02g44840.1, LOC_0s11g25600.1, LOC_0s09g19510.1, LOC_0s08g19150.1, LOC_0s08g23940.1, LOC_0s02g50750.1, LOC_0s06g37200.1, LOC_0s06g26010.1, LOC_0s04g16140.1, LOC_0s06g37760.1, LOC_0s02g26190.1, LOC_0s09g13050.1, LOC_0s01g23000.1, 1141
 48438 126 chr05|11975:509427-509509:-1
 CTTTAGTCCCGGTTGGTAACATCAACCGGGACTAAAGATCTCTCTCTTTAGTCCCGGTTG
 GTGGTACCAACCGAGACTAAGG TCCCGGTTGGTGGTACCAACCGAGA 0.258699 1
 repeat_sense, igr_sense,
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C_0s01g47350.1, LOC_0s09g32680.1, LOC_0s01g67880.1, LOC_0s05g18294.4, LOC_0s08g23829.1, 3935

48506 1384 chr05|11975:1383984-1384129:-1

AATCTCGAGGCTCGTGAGCTGCTCGAGCTTGGCTCGCTACGACTCGACTCGAGCTTGACTC
GTGAATAATCCGAACCGAGCTCAAGCCTGCCCTCCAAGCTCGTGAGCTTGACGAGACGAGCTCGAATAGT
TCGTCGAGCCTAGATT CGAGCTCGAATAGTTCGTCGAG 0.13265 1

repeat_sense, igr_sense,

LOC_0s06g15480.1, LOC_0s03g15320.1, LOC_0s12g40880.1, LOC_0s10g26670.1, LOC_0s08g02390.1, LOC_0s07g28160.1, LOC_0s12g40880.2, LOC_0s12g38890.1, LOC_0s06g21000.1, LOC_0s05g34630.1, LOC_0s06g15480.2, LOC_0s11g17410.1, 20
48536 126 chr05|11975:1750109-1750187:-1

TTTACTCCCGGTTGTTGAGAACAACCGGGAGTAAAGAAAAGATCTTTACTCCCGGTTGTTG
AGAACAACCGGGACTAAA TCCCGGTTGTTGAGAACAACCGGGA 0.589225 1

repeat_sense, igr_sense,

LOC_0s02g08060.1, LOC_0s08g23100.1, LOC_0s12g17280.1, LOC_0s01g17402.1, LOC_0s01g17402.2, LOC_0s05g39470.1, LOC_0s12g34010.1, LOC_0s05g01120.1, LOC_0s09g17020.1, LOC_0s12g18420.1, 1252

48591 1100 chr05|11975:2385979-2386066:-1

GGCCTGCGTCCGACTGGTTTCCAGTCGGGGGCTCTTGAGTTGTTGCCGTTTCAGTTGTTGC
CGACTGGTTTCCAGTCGGCGGCAGGTC TGCCGACTGGTTTCCAGTCGGCGGC 0.518627 1

repeat_sense, cds_antisense, exon_antisense,

LOC_0s11g07720.1, LOC_0s09g19600.1, LOC_0s06g48450.1, LOC_0s01g29370.1, LOC_0s11g35690.1, LOC_0s09g11030.1, LOC_0s12g31180.1, LOC_0s01g50090.1, LOC_0s10g13390.1, LOC_0s04g17720.1, LOC_0s07g06262.1, LOC_0s04g03950.1, LOC_0s02g23980.1, LOC_0s04g02200.1, LOC_0s06g14600.1, LOC_0s10g10840.1, LOC_0s12g37330.1, LOC_0s12g40060.1, LOC_0s09g09250.1, LOC_0s12g17220.1, LOC_0s11g10830.1, LOC_0s02g31170.1, LOC_0s09g01350.1, LOC_0s07g27690.1, LOC_0s08g29920.1, LOC_0s06g33300.1, LOC_0s02g01580.1, LOC_0s09g11600.1, LOC_0s12g18030.1, LOC_0s10g19120.1, LOC_0s02g45800.1, LOC_0s07g30570.1, LOC_0s12g14270.1, LOC_0s09g29810.1, LOC_0s09g10080.1, LOC_0s06g14130.1, LOC_0s12g16960.1, LOC_0s01g35380.1, LOC_0s09g08860.1, LOC_0s01g08900.1, LOC_0s08g03210.1, LOC_0s04g21380.1, LOC_0s05g31430.1, LOC_0s06g25630.1, LOC_0s08g23990.1, LOC_0s08g05130.1, LOC_0s01g02210.1, LOC_0s11g41750.1, LOC_0s10g10820.1, LOC_0s02g03840.1, LOC_0s11g42330.1, LOC_0s10g40160.1, LOC_0s05g43340.1, LOC_0s11g28690.1, LOC_0s04g41520.1, LOC_0s05g18910.1, LOC_0s04g24580.1, LOC_0s07g20710.1, LOC_0s02g17720.1, LOC_0s04g10840.1, LOC_0s12g26740.1, LOC_0s12g17190.1, LOC_0s09g01810.1, LOC_0s11g28720.1, LOC_0s06g32880.1, LOC_0s04g16540.1, LOC_0s09g11950.1, LOC_0s07g20690.1, LOC_0s10g12280.1, LOC_0s01g16850.1, LOC_0s06g33260.1, LOC_0s04g07030.1, LOC_0s05g04430.1, LOC_0s01g09610.1, LOC_0s09g21600.1, LOC_0s12g28340.1, LOC_0s08g19460.1, LOC_0s11g19820.1, LOC_0s04g49810.1, LOC_0s03g29660.1, LOC_0s03g03220.1, LOC_0s03g35710.1, LOC_0s04g20970.1, LOC_0s08g27270.1, LOC_0s01g41500.1, LOC_0s05g30260.1, LOC_0s11g28560.1, LOC_0s06g36140.1, LOC_0s11g28790.1, LOC_0s07g27820.1, LOC_0s02g07530.1, LOC_0s11g44050.1, LOC_0s09g01550.1, LOC_0s

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48609 28512 chr05|11975:2804490-2804627:-1

GCTCCTTCGCATCGAACTTCTGCTTGGCGTACACATCCATGTACTCGCCGAACACGTACTC
CGGGTACTCGCCGCCGCGCCACCGCCGCGGAGATGGTGGCCTCGAACGCCGGGTTGTAGAACGACGC
GACGGAGC CGCCGGGTTGTAGAACGACGCGA 0.520367 1

cds_antisense, exon_antisense,

LOC_0s04g33720. 1, LOC_0s01g71780. 1, LOC_0s01g02060. 2, LOC_0s01g52770. 1, LOC_0s05g44200. 1, LOC_0s02g43250. 1, LOC_0s05g05680. 2, LOC_0s05g05670. 1, LOC_0s07g26690. 1, LOC_0s08g06600. 1, LOC_0s01g57410. 2, LOC_0s09g27820. 1, LOC_0s08g38630. 1, LOC_0s03g04190. 1, LOC_0s07g47180. 1, LOC_0s04g33740. 1, LOC_0s06g28230. 1, LOC_0s01g26130. 1, LOC_0s09g27750. 1, LOC_0s10g39920. 1, LOC_0

s06g08830. 1, LOC_0s01g26130. 3, LOC_0s07g26690. 2, LOC_0s01g29409. 1, LOC_0s04g56700. 1, LOC_0s03g38010. 1, LOC_0s04g59120. 1, LOC_0s02g17200. 1, LOC_0s05g05680. 3, LOC_0s01g02060. 1, LOC_0s06g17700. 1, LOC_0s02g51620. 1, LOC_0s01g39860. 1, LOC_0s02g52850. 1, LOC_0s07g47180. 2, LOC_0s01g57410. 1, LOC_0s12g31670. 1, LOC_0s01g26130. 2, LOC_0s05g05680. 1, LOC_0s11g08380. 1, LOC_0s02g49520. 1, LOC_0s01g26130. 4, LOC_0s05g03640. 1, LOC_0s12g23930. 1, 7

48612 8600 chr05|11975:2828741-2828808:-1

GGTTTTGGAGGGGATTTATTCCACACCTATTGTGGTGTATTGGTGTGGAATTAATCCCCTC
CAATCCC GGTGTGGAATTAATCCCCTCCAA 1.00029 1

intron_antisense, repeat_sense,

LOC_0s08g44050. 1, LOC_0s07g19220. 1, LOC_0s04g25900. 1, LOC_0s04g21080. 1, LOC_0s03g61690. 2, LOC_0s04g25900. 2, LOC_0s02g38386. 1, LOC_0s08g44050. 3, LOC_0s10g01940. 1, LOC_0s08g44050. 2, LOC_0s06g27510. 1, LOC_0s02g13510. 1, LOC_0s10g34360. 1, LOC_0s08g39210. 1, LOC_0s04g55710. 1, 292

48773 126 chr05|11975:5463588-5463667:-1

CTTTACTCCCGTTGATGTTACCAACCGGGACTAAAGATCTATTTATAGTCCCGTTGGTA
AAACCAACCGGAAAAAAG AGTCCCGTTGGTAAACCAACCGG 0.369656 1

repeat_sense, igr_sense,

LOC_0s08g29210. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s08g31649. 1, LOC_0s01g02220. 1, LOC_0s05g18294. 4, LOC_0s08g13430. 1, LOC_0s05g16640. 1, LOC_0s03g26630. 2, LOC_0s08g23829. 1, LOC_0s08g27180. 1, LOC_0s03g26630. 1, 5057

48795 126 chr05|11975:5717761-5717848:-1

GGATCTTTAGTCCCGTTTGTAAACCAACCGGGACTAAAAGTTAGTCTTTAGTCCCGTT
GGTATTACTAACCGGAATAAAAATCT TCCCGTTGGTATTACTAACCGGA 0.530158 1

repeat_sense, igr_sense,

LOC_0s08g45200. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s05g42010. 1, LOC_0s08g13430. 1, LOC_0s01g20950. 1, LOC_0s08g23829. 1, 3333

48797 126 chr05|11975:5814741-5814857:-1

GGGACGAAGGGATCTTTAGTCCCGTTGGTAGCAGGGCATGTCAGACCTCTGTCGGGGGGC
TTGGGATCTTTAGTCCCGTTTCGTGTTACCAACCGGGACTAAAGATCTTTAGTCCC

GTGTTACCAACCGGGACTAAAGAT 0.472473 1 repeat_sense, igr_sense,

LOC_0s05g09210. 1, LOC_0s08g45200. 1, LOC_0s07g14430. 1, LOC_0s10g08660. 1, LOC_0s01g28080. 1, LOC_0s04g27010. 1, LOC_0s05g16360. 1, LOC_0s01g27070. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s09g03939. 2, LOC_0s07g13090. 1, LOC_0s11g37610. 1, LOC_0s08g26860. 1, LOC_0s09g04470. 1, LOC_0s11g14740. 1, LOC_0s01g04150. 1, LOC_0s05g18294. 4, LOC_0s03g43080. 1, LOC_0s04g28650. 1, LOC_0s10g30350. 1, LOC_0s09g03939. 1, LOC_0s01g20950. 1, LOC_0s12g06960. 1, LOC_0s08g23829. 1, LOC_0s03g60030. 1, LOC_0s12g40700. 1, LOC_0s04g37420. 1, LOC_0s09g15100. 1, LOC_0s10g01560. 1, LOC_0s07g14480. 1, 13954

48816 126 chr05|11975:5986375-5986450:-1

TAGTCCCGTTGGTGTACCAACCGGGACTAAAATGCTTTATCTTTAATCCCGTTGATGT
TACCAACCGGAATA TCCCGTTGATGTACCAACCGG 1.26874 1

repeat_sense, igr_sense,
 LOC_Os11g35500.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os05g18294.4, LOC_Os08g23829.1, 4144
 48817 126 chr05|11975:5987238-5987367:-1
 TCTTTAGTCTCGGTTGGTGTACCAACCGGGACTAAAAATGATCTTTAGTCCCGGTTCTAA
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 LOC_Os07g09850.1, LOC_Os06g22430.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os05g18294.4, LOC_Os05g30000.1, LOC_Os08g13430.1, LOC_Os08g23829.1, LOC_Os10g09920.1, LOC_Os02g17180.1, 4628
 48829 126 chr05|11975:6197420-6197494:-1
 TCTTTAGTCTCGGTTATTTACCCGGGACTAAAGATAGCGATATTTAATCCCGGTTGAATA
 ACCGGGACTACAGG TCCCGGTTGAATAACCGGGACTA 0.0384314 1
 repeat_sense, igr_sense,
 LOC_Os03g55130.1, LOC_Os05g09210.1, LOC_Os07g14430.1, LOC_Os01g28080.1, LOC_Os09g16060.1, LOC_Os07g13090.1, LOC_Os03g55130.2, LOC_Os08g26860.1, LOC_Os04g04720.1, LOC_Os12g06960.1, LOC_Os10g01560.1, 1390
 48831 126 chr05|11975:6198217-6198330:-1
 ATCTTTATTCCCGGTTGGTGTACTAACCGGGACTAAAGATGGTTCCTATCAGACCGTGT
 CAGGCGCCTAGGATCTTTATTCCCGGTTTGTAAACCAACCGGGACTAAAGAT
 TCCCGGTTTGTAAACCAACCGG 0.409611 1 repeat_sense, igr_sense,
 LOC_Os02g50650.1, LOC_Os05g03050.1, LOC_Os09g17360.1, LOC_Os03g57780.2, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os03g57780.1, LOC_Os05g11550.1, LOC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os08g23829.1, 4062
 48887 456 chr05|11975:7007482-7007606:-1
 GAAAAATGGACGTCCGAGATTCTGTCACATCATCAGAGCACAGTAAATTTTACTTATG
 AGTAAATCCGTGAGTAAATTTCTACTCATGATGACGTGGATGAATCTCGGACGTCTATTTTC
 TGGATGAATCTCGGACGTCT 0.911698 1 repeat_sense, igr_sense,
 LOC_Os03g15780.2, LOC_Os05g17830.1, LOC_Os03g15780.1, LOC_Os03g15780.3, LOC_Os03g15780.5, LOC_Os08g11390.1, 106
 48892 126 chr05|11975:7099184-7099260:-1
 GATTTTTATTCCCGGTTAGTAACACCAATCGGAACGTTTTTAGTCCCGATTGGTGTACTA
 ACCGGGATTAAAGATC TTGGTGTACTAACCGGGATTAAA 0.613908 1
 repeat_sense, igr_sense,
 LOC_Os05g09210.1, LOC_Os04g57980.1, LOC_Os01g28080.1, LOC_Os03g57160.1, LOC_Os12g13480.1, LOC_Os09g03939.2, LOC_Os07g13090.1, LOC_Os05g18294.4, LOC_Os03g43080.1, LOC_Os09g03939.1, LOC_Os01g20950.1, LOC_Os04g37420.1, 2325
 48910 1522 chr05|11975:7357106-7357268:-1
 CGCCAAATCATCTGGCGCTGAACTTAGACACCTCAGTGTCACGTCAACTGGCGCTGAATAC
 CGTGCCACCGTGGATGGGAGGCTAAGTCAGCGTGCCAACGCACATTCAACACCATGCTATTTAGCGCTG
 AGGTGTCTAAGTTTAGCGCCACACGATTTGGCG TGTCTAAGTTTAGCGCCACA 0.413193
 1 repeat_sense, igr_sense,

LOC_Os03g20400.1, LOC_Os09g06450.1, LOC_Os07g15330.1, LOC_Os06g11360.1, 143

48941 2926 chr05|11975:7762049-7762171:-1

TCCGGTTTTGGCCGAGGTGGCGCCTACGTGGCTCATTTTGGCGCCACATACACGCCAATG
ACACGTTGGACAAAGACCTAGTTAAAATTAGTCACGTAGGCGCCACCTCAGTTAAAACCGGA

GTCACGTAGGCGCCACCTCAGT 0.612949 1 repeat_sense, igr_sense,
LOC_Os01g59260.1, LOC_Os06g46500.1, LOC_Os08g42230.1, LOC_Os01g24310.1, LOC_Os10g31060.1, LOC_Os07g45900.1, LOC_Os11g45880.1, LOC_Os01g11330.1, LOC_Os03g62450.1, LOC_Os10g03370.1, LOC_Os07g45670.1, LOC_Os11g08810.1, LOC_Os12g11230.1, LOC_Os07g24940.1, LOC_Os04g09310.1, LOC_Os05g04930.1, LOC_Os04g37850.1, LOC_Os05g48550.1, LOC_Os12g13180.1, LOC_Os12g28810.1, LOC_Os06g14760.1, LOC_Os11g27590.1, LOC_Os05g23750.1, LOC_Os10g40680.1, LOC_Os08g44970.1, LOC_Os12g12840.1, LOC_Os05g04010.1, LOC_Os06g41170.1, LOC_Os04g06260.1, LOC_Os07g42010.1, LOC_Os12g39760.1, LOC_Os04g11930.1, LOC_Os04g08610.1, LOC_Os01g47090.1, LOC_Os04g03040.1, LOC_Os01g20130.1, LOC_Os12g40250.1, LOC_Os03g46370.1, LOC_Os09g04240.1, LOC_Os06g41350.1, LOC_Os07g30530.1, LOC_Os08g23910.1, LOC_Os04g26690.1, LOC_Os04g19820.1, LOC_Os09g30502.1, LOC_Os06g16680.1, LOC_Os10g14294.1, LOC_Os04g45320.1, LOC_Os11g41580.1, LOC_Os11g12450.1, LOC_Os06g32740.1, LOC_Os08g13200.1, LOC_Os01g04850.1, LOC_Os03g61670.1, LOC_Os01g37420.1, LOC_Os05g32250.1, LOC_Os11g43110.1, LOC_Os06g33050.1, LOC_Os07g11540.1, LOC_Os08g13720.1, LOC_Os03g15770.1, LOC_Os04g01820.1, LOC_Os06g41460.1, LOC_Os04g23670.1, LOC_Os11g30460.1, LOC_Os08g04750.1, LOC_Os03g59264.1, LOC_Os12g29230.1, LOC_Os03g56170.1, LOC_Os05g25010.1, LOC_Os11g12730.1, LOC_Os04g13620.1, LOC_Os02g29930.1, LOC_Os04g49090.1, LOC_Os11g22580.1, LOC_Os02g37270.1, LOC_Os08g32830.1, LOC_Os04g41720.1, LOC_Os05g50040.1, LOC_Os08g26090.1, LOC_Os06g49580.1, LOC_Os07g35240.1, LOC_Os08g36280.1, 665

48987 126 chr05|11975:8271476-8271582:-1

GGTCAGCTCGATCTTTAGTCCTGGTTGTTAATACCAACCGGGACGGCTGAGCCATCTTTAG
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CCCAACCGGGACTAAAGATCGAT 0.691839 1 repeat_sense, igr_sense,
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49006 1522 chr05|11975:8474579-8474693:-1

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49039 28639 chr05|11975:8954200-8954296:-1

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0.789568 1 igr_sense,

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49042 1100 chr05|11975:9004106-9004193:-1

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1 repeat_sense, cds_antisense, exon_antisense,

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49043 1100 chr05|11975:9004106-9004193:-1

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49048 28642 chr05|11975:9074883-9074979:-1

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49056 28645 chr05|11975:9142937-9143059:-1

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49084 126 chr05|11975:9709509-9709595:-1

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49125 464 chr05|11975:10387725-10387810:-1

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LOC_0s11g06860. 2, LOC_0s08g12550. 1, LOC_0s08g24120. 1, LOC_0s11g25070. 1, L
OC_0s11g06860. 1, LOC_0s10g13610. 1, LOC_0s06g19010. 1, LOC_0s04g32140. 1, L
C_0s12g12770. 1, 58

49163 126 chr05|11975:10993206-10993329:-1

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49184 464 chr05|11975:11293419-11293504:-1
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49186 126 chr05|11975:11309824-11309908:-1
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49193 436 chr05|11975:11381817-11381916:-1
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 LOC_Os09g11300.1, LOC_Os01g59530.2, LOC_Os11g07400.1, LOC_Os04g25720.1, LOC_Os11g20580.1, LOC_Os11g35540.1, LOC_Os10g20460.1, 1548

49226 126 chr05|11975:12037009-12037097:-1
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 repeat_sense, igr_sense,
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49275 2610 chr05|11975:13285589-13285728:-1
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 TGTGTTATGC ATGGTGCCTGCAGTGGATT 0.326479 1
 exon_sense, repeat_sense, cds_sense,
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49362 28710 chr05|11975:14420003-14420078:-1
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49377 126 chr05|11975:14650909-14650985:-1
 TTAGTCCCGTTGGTAACACCAACCGGAAAAAAGATGCTATCTTTAGTCCCGATTGGTAA
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 49392 614 chr05|11975:14775006-14775075:-1
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 49491 28747 chr05|11975:16139347-16139426:-1
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 49515 2050 chr05|11975:16640948-16641064:-1
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49553 368 chr05|11975:17112892-17113006:-1

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49554 1522 chr05|11975:17139051-17139191:-1

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49565 126 chr05|11975:17253356-17253434:-1

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49639 1100 chr05|11975:18200783-18200870:-1
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51156 126 chr06|11976:8454985-8455063:-1

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51545 126 chr06|11976:12537912-12537987:-1

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51613 29467 chr06|11976:13552453-13552527:-1

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51800 126 chr06|11976:15831985-15832073:-1
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51944 614 chr06|11976:17361884-17361972:-1
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51959 29577 chr06|11976:17582997-17583139:-1
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 51972 14 chr06|11976:17739940-17740035:-1
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 51992 126 chr06|11976:17906671-17906802:-1
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 AT CCCGGTTGGTAACCAACCGG 0.912318 1 repeat_sense, igr_sense,
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 51993 126 chr06|11976:17906719-17906802:-1
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52631 126 chr06|11976:24604655-24604737:-1
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52730 972 chr06|11976:26033065-26033211:-1
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52733 5764 chr06|11976:26034646-26034755:-1

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52768 1384 chr06|11976:26418815-26418949:-1

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52833 126 chr06|11976:27100658-27100773:-1

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52980 2138 chr06|11976:28964644-28964770:-1

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53099 654 osa-MIR166b chr06|11976:30326086-30326291:-1

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53104 464 chr06|11976:30344746-30344843:-1
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53118 944 chr06|11976:30533021-30533149:-1

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53152 126 chr06|11976:30929406-30929484:-1

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53154 100 chr06|11976:30963766-30963909:-1

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53226 614 chr07|11977:807426-807493:-1

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53264 1664 chr07|11977:1318553-1318650:-1

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53303 48 chr07|11977:1775528-1775634:-1

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53354 368 chr07|11977:2359533-2359680:-1

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53376 314 chr07|11977:2611903-2611979:-1
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53407 1100 chr07|11977:3046772-3046859:-1
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53410 1100 chr07|11977:3091611-3091698:-1

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53428 100 chr07|11977:3502448-3502590:-1

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53466 30020 chr07|11977:4164588-4164711:-1

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53467 30021 chr07|11977:4164594-4164705:-1

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53493 126 chr07|11977:4791143-4791278:-1

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53551 30052 chr07|11977:5592621-5592698:-1

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53579 126 chr07|11977:6081117-6081249:-1

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53589 126 chr07|11977:6319060-6319156:-1

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0.595257 0 repeat_sense, igr_sense,

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53596 126 chr07|11977:6397382-6397462:-1

GCTTTACTCCCGTTGATGTACCAACCGGGACTAAAGATCTATGTTTAGTCCCGGTTGGTG
TTACCAACCGGGAAGT TCCCGTTGGTGTACCAACCGGGA 0.294432 0

repeat_sense, igr_sense,

LOC_0s11g36150.1, LOC_0s08g45200.1, LOC_0s11g35500.1, LOC_0s09g17360.1, L
OC_0s02g08060.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s07g11720.1, L

C_0s05g18294. 4, LOC_0s01g20950. 1, LOC_0s12g22910. 1, LOC_0s08g23829. 1,
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 GATGACCCTTATCTGTGACGGGTATTAACCTATAACCCGTCACAGATGATCCTCATCTCAAT
 CGGGCCTAAGTTAATGCCCCGTCACAGATGAGTATAATCTAATGCCCCGTCACAGATGAGT 0.915262
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 53680 30089 chr07|11977:7560370-7560488:-1
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 AGACCCTGTGGCCACATGTTAGTCTGCATGTGCAGCACAGCAGAGGATTGAATTGG
 CATGTGCAGCACAGCAGAGGATT 0.457132 1 igr_sense,
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 0s03g16500. 1, LOC_0s03g16500. 2, LOC_0s04g16990. 1, LOC_0s01g32720. 1, LOC_0
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 53767 126 chr07|11977:8698577-8698709:-1
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 GAT AGTCCCGATTGGTAACACCAACCGG 0.053469 1
 repeat_sense, intron_sense,
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 OC_0s04g06630. 1, LOC_0s07g03350. 1, LOC_0s05g18294. 4, LOC_0s07g03440. 1, L
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 53801 30123 chr07|11977:9096604-9096754:-1
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 TGGCGTATCTAGAGTGGGCAATGAGCTGAGTTACGACGTGCGGTTTTGGTGGCGATGACAAGCTTAGC
 TGGCAGGTTGCCCGTGCTGAT AAGCTTAGCTGCGACGTTGCC 0.385747 1
 igr_sense,
 LOC_0s04g12678. 1, LOC_0s01g74650. 1, LOC_0s11g08040. 1, LOC_0s04g40100. 1, L
 OC_0s06g36180. 1, LOC_0s01g74650. 2, LOC_0s11g07420. 1, LOC_0s09g11170. 1, L
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 53812 30127 chr07|11977:9331671-9331742:-1
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 CCGAGCTGAGC TTATCCTAACGAGCCGAGCTG 0.380907 1
 repeat_sense, igr_sense,
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 53865 126 chr07|11977:10244642-10244777:-1
 GATGCAATAAAAACCGGGGCTAAAGATGATCTTTAGTCCCGGTTCAAAAGGGTAACGGGCA
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GCTGTC AGATCATCTTTAGTCCCGGTTCTGA 0.261708 1 repeat_sense, igr_sense,
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53870 30140 chr07|11977:10327737-10327855:-1

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53916 3984 chr07|11977:10893569-10893646:-1

GGCCATGGCCGTACAATAGCTCCTGAGGTACGAGTTGAACCACACCTCGCGACCTCGGAGT
GCTTCTACGGCTCGGTC ACCTCGGAGTGCTTCTACGGCT 0.192788 0

repeat_sense, cds_antisense, exon_antisense,
LOC_0s11g25950.1, LOC_0s02g54220.1, LOC_0s08g27940.1, LOC_0s12g22690.1, L
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53949 750 chr07|11977:11407281-11407391:-1

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53966 7658 chr07|11977:11672465-11672566:-1
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54010 7658 chr07|11977:12728768-12728869:-1
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54031 6120 osa-MIR172c chr07|11977:13109791-13109901:-1
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 54032 24 chr07|11977:13114802-13114876:-1
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 54113 5284 chr07|11977:14110302-14110401:-1
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 54126 5284 chr07|11977:14340597-14340696:-1
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 54133 30210 chr07|11977:14514050-14514136:-1
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 54137 9122 osa-MIR398b chr07|11977:14596923-14597010:-1
 GGAGTTCCTACAGGGCGAGCTGGGAACACACGGTGATGAGGCGGTCTGGTCTTTCGTGTG

TTCTCAGGTCGCCCCCTGCCGGGACTCT TGTGTTCTCAGGTCGCCCCCTG 1
 igr_sense, HASH(0x12de1280) LOC_0s11g09780.1, LOC_0s07g46990.1, 3
 54193 6716 osa-MIR171g chr07|11977:15635050-15635138:-1
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 54195 750 chr07|11977:15694845-15694944:-1
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 GTGTCCGGTCTGACCGAGGCACAGT 0.235672 1
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 54274 100 chr07|11977:17177682-17177773:-1
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 54286 48 osa-MIR441b chr07|11977:17310117-17310249:-1
 CTCCTCCGTTTACAATGTAAGTCATTTTAGTAATTTTCATATTCATATTGATGTTAATG
 AATCTAGACTCATGTACCATCAATATAAATGTGGGAAATGGTAGAATGACTTACATTATGAAACATAGG
 GAG TACCATCAATATAAATGTGGGAAA 0 repeat_sense, igr_sense,
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54298 126 chr07|11977:17536576-17536654:-1

TTTAGTCCCAGTTGGTATCATCAACCGGGATTAAATATATAATCTTTAGTCCCGTTGGTA
ATACCAACCGGGATTAAA AGTCCCGTTGGTAATACCAACCGG 0.686213 1

repeat_sense, igr_sense,

LOC_0s10g08660. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s08g31649. 1, LOC_0s01g02220. 1, LOC_0s05g18294. 4, LOC_0s06g45270. 1, LOC_0s08g13430. 1, LOC_0s12g22910. 1, LOC_0s08g23829. 1, LOC_0s08g27180. 1, 7257

54344 126 chr07|11977:18122080-18122161:-1

TTTTTACTACCGTTGGTATAAACAACCGGGACTAAAAATAGATCTTTAGTCCCGTTGTT
TATACCAACCGGGAGTAAAGA TCCCGTTGTTTATACCAACCGGGA 0.0487369 1

repeat_sense, igr_sense,

LOC_0s11g35890. 1, LOC_0s11g36150. 1, LOC_0s01g62910. 1, LOC_0s09g17360. 1, LOC_0s04g06630. 1, LOC_0s12g32670. 1, LOC_0s03g55340. 1, LOC_0s05g39470. 1, LOC_0s05g18294. 4, LOC_0s03g26630. 2, LOC_0s08g23829. 1, LOC_0s03g26630. 1, 1138

54349 126 chr07|11977:18172277-18172346:-1

TTACTCGTTGTTCTCAACAACCGGGACTAAAGATATCTTTAGTCCCGTTGTTGAGAACAAC
CGGGAGTAA GTCCCGTTGTTGAGAACAAC 0.19881 0

intron_antisense, repeat_sense,

LOC_0s03g58910. 1, LOC_0s05g39470. 1, LOC_0s03g58910. 2, 885

54351 126 chr07|11977:18201525-18201610:-1

GGTGAAATAACCGGGAGTAAAGATCGATCTTTAGTCCCGTTGGTGTGTTGAGTAAAGATCG
ATCTTTAGTCCCGTTGGTAACACC CGATCTTTAGTCCCGTTGG 0.102483 1

repeat_sense, igr_sense,

LOC_0s07g14430. 1, LOC_0s11g35750. 1, LOC_0s10g08660. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s12g17280. 1, LOC_0s04g06630. 1, LOC_0s11g36280. 1, LOC_0s05g18294. 4, LOC_0s08g13430. 1, LOC_0s01g20950. 1, LOC_0s01g29680. 1, LOC_0s01g38580. 1, LOC_0s10g01560. 1, LOC_0s08g27180. 1, 8795

54361 30258 chr07|11977:18394639-18394753:-1

TATATGGTTACTTGTGTTGGGCTGAAATTTATACCGATAAAGGGCCAGAATTTGCACCCGG

CAAAGGTAGACCTCAGTCAGGTGTAAATTTGGCCCATCACAGGTAACCAAATA
 TTTTGGCCCATCACAGGTAA 0.883523 1 intron_antisense,
 LOC_Os03g29020.1, LOC_Os12g25330.1, LOC_Os12g13180.1, LOC_Os04g08150.1, LOC_Os07g42010.1, LOC_Os01g56340.1, LOC_Os04g13590.1, LOC_Os02g29920.1, LOC_Os06g30179.1, LOC_Os04g21700.1, LOC_Os04g14250.1, LOC_Os10g02650.1, 37
 54415 436 chr07|11977:19133390-19133504:-1
 TAATAAAAGCCCGTCAAAAAAGAGTGTCTGTGACGGGCATTAACTTATCTCAATCGG
 GCCTCTAGTTGGAGCCCGTCACAGATGACCCTCATCTGTGACGGGCTTCTTTTA
 GATGACCCTCATCTGTGACGGG 0.356293 0 repeat_sense, igr_sense,
 LOC_Os04g40100.1, LOC_Os04g53310.1, LOC_Os09g26010.1, LOC_Os11g35540.1, LOC_Os05g40160.1, LOC_Os02g38130.1, 760
 54416 72 chr07|11977:19137596-19137691:-1
 TGATGAGTCATCTCAATCGGGCTTTACCGTAGGGCCCGTCACAGATGACTCATCGTTGACG
 GGCTCCATACTAATGCCCGATTGAGATGACATTCA TAATGCCCGATTGAGATGAC 0.252357
 1 repeat_sense, igr_sense,
 LOC_Os03g57830.1, LOC_Os10g42670.1, LOC_Os11g35540.1, 449
 54462 614 chr07|11977:19909561-19909633:-1
 GCTGTATAGTTGAGCCACTGACATGCGGGCCATAGAAAAGTGGGACCCACATGTCAGTGAC
 TCAAATGCATGT CCCACATGTCAGTGACTCAA 0.0874718 1
 repeat_sense, igr_sense,
 LOC_Os11g40840.1, LOC_Os09g37280.3, LOC_Os07g45670.1, LOC_Os04g46300.1, LOC_Os07g41460.1, LOC_Os02g43220.1, LOC_Os04g39160.1, LOC_Os07g43020.1, LOC_Os09g37280.2, LOC_Os08g09930.1, LOC_Os06g49970.1, LOC_Os01g14100.2, LOC_Os05g11510.1, LOC_Os03g22610.1, LOC_Os11g08420.1, LOC_Os04g45320.1, LOC_Os01g12330.1, LOC_Os03g09830.1, LOC_Os08g13720.1, LOC_Os06g37320.1, LOC_Os01g10180.1, LOC_Os05g30390.1, LOC_Os03g19870.1, LOC_Os06g39840.1, LOC_Os08g30780.1, LOC_Os02g48360.1, LOC_Os11g12740.1, LOC_Os02g18530.1, LOC_Os02g10930.1, LOC_Os09g37280.1, LOC_Os03g19870.3, LOC_Os03g09830.2, LOC_Os01g47310.1, LOC_Os06g49970.2, LOC_Os06g48940.1, 572
 54539 1522 chr07|11977:20866733-20866848:-1
 TAGACACCTCAGCGCCACGTCATCTGGCGCTGAATGCCGTGCCACGGCGGATGGGAGACTA
 AAGTCAGCGTGCCAAACGTACATTACAGACCATGCTATTTGGCGCTGAGGTGTCTA
 TCAGCACCATGCTATTTGGCGCTG 0.489837 0 repeat_sense, igr_sense,
 LOC_Os08g37280.1, LOC_Os10g06910.1, LOC_Os07g19350.1, LOC_Os08g37280.2, LOC_Os06g34920.1, LOC_Os01g52290.1, LOC_Os06g47510.1, 97
 54540 30306 chr07|11977:20867908-20867997:-1
 CCTAATGTGACCTGGGTGGCCCATGGTTGCTCCTGTTGGGCCTGTGGTGGAGCAGGCCCAA
 TGTGACATGGGTGGCCCATGGTTGGTAGG TGACATGGGTGGCCCATGGTTG 0.288404 1
 repeat_sense, igr_sense,
 LOC_Os05g33700.1, LOC_Os04g54070.1, LOC_Os12g13040.1, LOC_Os05g38830.2, LOC_Os05g38830.1, LOC_Os09g13140.1, 85
 54567 30321 chr07|11977:21437875-21438015:-1
 TTTTCGCGGCGCCAATGTAGTTGGTGCCGTGGTCCAACATGACAGCACCAAGGACGTTGGC
 GCCGTCCTCTCCACCCTCGGGTGAAAGCTAAGTCACTAATGTGAAGGAGAACGGCACCACCAACATTGG

TGTCGAGGAAA GCACCACCAATTGGGTGTC 0.493377 1
intron_antisense,
LOC_Os10g08550.1, LOC_Os11g47760.3, LOC_Os03g04830.1, LOC_Os10g08550.3, LOC_Os11g47760.1, LOC_Os05g01900.1, LOC_Os01g03020.2, LOC_Os01g17430.1, LOC_Os05g05860.1, LOC_Os11g47760.2, LOC_Os10g08550.2, LOC_Os01g06350.1, LOC_Os01g03020.1, LOC_Os11g47760.4, 7
54630 464 chr07|11977:22395138-22395223:-1
GTTCCATCTAGGATGAGGACGTAGCATCCTATTAATTTTCGTGTGATAGCTGATAATAGGAT
GCCATGACCTCGTCTAGGTGAAAC GGATGCCATGACCTCGTCTAG 0.530068 1
repeat_sense, igr_sense,
LOC_Os11g10420.1, LOC_Os07g34770.1, LOC_Os01g15750.1, LOC_Os01g61620.1, LOC_Os08g08950.1, LOC_Os05g50610.1, LOC_Os03g43990.2, LOC_Os06g24050.1, LOC_Os01g20190.1, LOC_Os01g70030.1, LOC_Os12g03770.1, LOC_Os06g16480.1, LOC_Os01g01710.1, LOC_Os04g05010.1, LOC_Os09g34070.1, LOC_Os02g08280.1, LOC_Os02g26240.1, LOC_Os10g06660.1, LOC_Os05g23290.1, LOC_Os02g32360.1, LOC_Os03g11670.1, LOC_Os03g43990.1, LOC_Os08g40430.1, LOC_Os11g12600.1, LOC_Os01g01710.2, LOC_Os03g12990.1, LOC_Os12g23180.1, LOC_Os06g11160.1, LOC_Os03g40500.1, LOC_Os04g06690.1, LOC_Os09g34070.2, 78
54642 30340 chr07|11977:22521661-22521802:-1
GAGGACGCTGGCATGGATGGATGCATGCATGCAGCTAGCTAGACAGACGACTCCACAAGTC
CTCATGCATCGTGCATGCATGCATGGCAGCCCTTTAAAAACGAGCTTGGCATGCATGCATCTGCATGT
GCCATGTGAATC TGCATGCATCTGCATGTGCC 0.560497 1 igr_sense,
LOC_Os02g40720.1, LOC_Os03g04300.1, LOC_Os06g49350.1, LOC_Os04g34984.3, LOC_Os04g47810.1, LOC_Os04g54410.1, LOC_Os08g01170.1, LOC_Os11g01860.1, LOC_Os04g34984.4, LOC_Os01g71840.1, LOC_Os09g18594.2, LOC_Os12g01910.1, LOC_Os02g45080.1, LOC_Os11g48000.1, LOC_Os08g44640.2, LOC_Os07g04020.1, LOC_Os04g34984.2, LOC_Os04g34984.1, LOC_Os09g18594.1, LOC_Os12g05290.1, 28
54648 368 chr07|11977:22579441-22579533:-1
CGATGACAAGTTGAGGGACCTTCGGTGTACTTTTTCCCGTATTTTATTTTCAAGCGGAAA
AAGTGCACCAAAGGTCCCTCAACTTGTTCATCG AAAAGTGCACCAAAGGTCCCTCAA
0.423009 1 repeat_sense, igr_sense,
LOC_Os03g40000.1, LOC_Os11g26150.1, LOC_Os05g23720.1, LOC_Os02g56880.1, LOC_Os09g09750.1, LOC_Os06g21890.1, LOC_Os03g44190.1, LOC_Os12g05060.1, LOC_Os05g40000.1, LOC_Os01g67700.1, LOC_Os05g06450.2, LOC_Os01g13780.1, LOC_Os05g34970.1, LOC_Os02g18080.1, LOC_Os02g48270.1, LOC_Os01g60760.1, LOC_Os01g41950.1, LOC_Os11g34790.1, LOC_Os12g04424.1, LOC_Os04g45030.1, LOC_Os03g18670.1, LOC_Os01g11820.1, LOC_Os02g13020.1, LOC_Os07g45400.1, LOC_Os02g17520.1, LOC_Os02g02620.1, LOC_Os04g43130.1, LOC_Os04g46950.1, LOC_Os09g25740.1, 1059
54660 9552 chr07|11977:22738446-22738530:-1
TCCTGGCAAACCGCCGGAACCTCCCGGTGGGAATTTTGTGAGAGACAGAGACTCCCACCCA
GAGGTTTCGCCCGGTTTGTCCGGA TCCCACCCAGAGGTTTCGCCCGGT 0.183823 1
cds_antisense, exon_antisense,
LOC_Os12g18280.1, LOC_Os06g22750.1, LOC_Os01g64890.1, LOC_Os08g12100.1, LOC_Os01g11820.1, LOC_Os01g11820.2, LOC_Os01g11820.3, LOC_Os01g11820.4, LOC_Os01g11820.5, LOC_Os01g11820.6, LOC_Os01g11820.7, LOC_Os01g11820.8, LOC_Os01g11820.9, LOC_Os01g11820.10, LOC_Os01g11820.11, LOC_Os01g11820.12, LOC_Os01g11820.13, LOC_Os01g11820.14, LOC_Os01g11820.15, LOC_Os01g11820.16, LOC_Os01g11820.17, LOC_Os01g11820.18, LOC_Os01g11820.19, LOC_Os01g11820.20, LOC_Os01g11820.21, LOC_Os01g11820.22, LOC_Os01g11820.23, LOC_Os01g11820.24, LOC_Os01g11820.25, LOC_Os01g11820.26, LOC_Os01g11820.27, LOC_Os01g11820.28, LOC_Os01g11820.29, LOC_Os01g11820.30, LOC_Os01g11820.31, LOC_Os01g11820.32, LOC_Os01g11820.33, LOC_Os01g11820.34, LOC_Os01g11820.35, LOC_Os01g11820.36, LOC_Os01g11820.37, LOC_Os01g11820.38, LOC_Os01g11820.39, LOC_Os01g11820.40, LOC_Os01g11820.41, LOC_Os01g11820.42, LOC_Os01g11820.43, LOC_Os01g11820.44, LOC_Os01g11820.45, LOC_Os01g11820.46, LOC_Os01g11820.47, LOC_Os01g11820.48, LOC_Os01g11820.49, LOC_Os01g11820.50, LOC_Os01g11820.51, LOC_Os01g11820.52, LOC_Os01g11820.53, LOC_Os01g11820.54, LOC_Os01g11820.55, LOC_Os01g11820.56, LOC_Os01g11820.57, LOC_Os01g11820.58, LOC_Os01g11820.59, LOC_Os01g11820.60, LOC_Os01g11820.61, LOC_Os01g11820.62, LOC_Os01g11820.63, LOC_Os01g11820.64, LOC_Os01g11820.65, LOC_Os01g11820.66, LOC_Os01g11820.67, LOC_Os01g11820.68, LOC_Os01g11820.69, LOC_Os01g11820.70, LOC_Os01g11820.71, LOC_Os01g11820.72, LOC_Os01g11820.73, LOC_Os01g11820.74, LOC_Os01g11820.75, LOC_Os01g11820.76, LOC_Os01g11820.77, LOC_Os01g11820.78, LOC_Os01g11820.79, LOC_Os01g11820.80, LOC_Os01g11820.81, LOC_Os01g11820.82, LOC_Os01g11820.83, LOC_Os01g11820.84, LOC_Os01g11820.85, LOC_Os01g11820.86, LOC_Os01g11820.87, LOC_Os01g11820.88, LOC_Os01g11820.89, LOC_Os01g11820.90, LOC_Os01g11820.91, LOC_Os01g11820.92, LOC_Os01g11820.93, LOC_Os01g11820.94, LOC_Os01g11820.95, LOC_Os01g11820.96, LOC_Os01g11820.97, LOC_Os01g11820.98, LOC_Os01g11820.99, LOC_Os01g11820.100, LOC_Os01g11820.101, LOC_Os01g11820.102, LOC_Os01g11820.103, LOC_Os01g11820.104, LOC_Os01g11820.105, LOC_Os01g11820.106, LOC_Os01g11820.107, LOC_Os01g11820.108, LOC_Os01g11820.109, LOC_Os01g11820.110, LOC_Os01g11820.111, LOC_Os01g11820.112, LOC_Os01g11820.113, LOC_Os01g11820.114, LOC_Os01g11820.115, LOC_Os01g11820.116, LOC_Os01g11820.117, LOC_Os01g11820.118, LOC_Os01g11820.119, LOC_Os01g11820.120, LOC_Os01g11820.121, LOC_Os01g11820.122, LOC_Os01g11820.123, LOC_Os01g11820.124, LOC_Os01g11820.125, LOC_Os01g11820.126, LOC_Os01g11820.127, LOC_Os01g11820.128, LOC_Os01g11820.129, LOC_Os01g11820.130, LOC_Os01g11820.131, LOC_Os01g11820.132, LOC_Os01g11820.133, LOC_Os01g11820.134, LOC_Os01g11820.135, LOC_Os01g11820.136, LOC_Os01g11820.137, LOC_Os01g11820.138, LOC_Os01g11820.139, LOC_Os01g11820.140, LOC_Os01g11820.141

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54694 126 chr07|11977:23219502-23219589:-1

TGATTTTTATTCCCGGTTAGTAACACCAACCGGGACTAAAAATAGGTTTTTAGTCCAGTT
GGTGTTACTAACCGGGACTAAAGATCA GTTGTTGTTACTAACCGGGACTAAA 0.557628 1

repeat_sense, igr_sense,

LOC_0s05g09210. 1, LOC_0s08g45200. 1, LOC_0s01g28080. 1, LOC_0s04g27010. 1, LOC_0s09g03939. 2, LOC_0s04g06630. 1, LOC_0s07g13090. 1, LOC_0s11g37610. 1, LOC_0s12g40960. 1, LOC_0s01g04150. 1, LOC_0s05g18294. 4, LOC_0s03g43080. 1, LOC_0s09g03939. 1, LOC_0s01g20950. 1, LOC_0s12g06960. 1, LOC_0s08g23829. 1, LOC_0s06g32290. 1, LOC_0s11g06630. 1, LOC_0s12g40700. 1, LOC_0s07g25080. 1, LOC_0s04g37420. 1, 5278

54971 30436 chr07|11977:27547430-27547547:-1

GGCGTGCAAGTGAGTTGATCTGCAAACCCACTTATAGTCCAAATTAGTGTGTAACCCCTTGG
GTCAACCCACTTACTTAGCCTATAAGTTGGTTCGCGGGTCAACCCACTTGCACCGGC

GGTTCGCGGGTCAACCCACTTG 0.165341 1

intron_antisense, repeat_sense,

LOC_0s01g61710. 3, LOC_0s01g61710. 4, LOC_0s01g61710. 2, LOC_0s02g05890. 1, LOC_0s02g31200. 1, 36

54978 1100 chr07|11977:27598215-27598302:-1

GGCCTGCGTACGACTGGTTCCAGTCGGGGGCTCTTGAGTTGTTGCCGTTTCAGTTGTTGC
CGACTGGTTTCCAGTCGGCGGCAGGTC TGCCGACTGGTTTCCAGTCGGCGGC 0.458485 1

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55053 126 chr07|11977:28729920-28730000:-1
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OC_0s08g23829.1, 3880

55082 1900 chr07|11977:29280854-29280925:-1
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55298 796 chr08|11978:2329617-2329696:-1

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55330 126 chr08|11978:2859660-2859745:-1
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55433 1522 chr08|11978:4366779-4366893:-1
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55444 436 chr08|11978:4479923-4480036:-1
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55508 126 chr08|11978:5219425-5219506:-1
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repeat_sense, igr_sense,
LOC_Os12g12440.1, LOC_Os06g49900.1, LOC_Os02g10270.1, LOC_Os10g32124.1, L
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C_Os03g33930.1, LOC_Os03g12600.1, LOC_Os12g41490.1, LOC_Os08g40140.1, LOC
_Os01g07330.1, LOC_Os05g18294.4, LOC_Os03g24190.1, LOC_Os05g30000.1, LOC
Os03g44460.1, LOC_Os08g23829.1, LOC_Os01g61490.1, LOC_Os05g20360.1, LOC_O
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55556 126 chr08|11978:5921508-5921631:-1
CTTTAGTCCCGGTTGGTGTTACCAACCGGGACTTAAATCATCTTTAGTCTCGGTTTATCC
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CTGGTTGGTGACACCAACCG 0.248706 1 repeat_sense, igr_sense,
LOC_0s06g22430.1, LOC_0s05g03800.1, LOC_0s08g28860.1, LOC_0s09g17360.1, L
OC_0s02g08060.1, LOC_0s12g13480.1, LOC_0s08g23829.1, 1525
55561 126 chr08|11978:6007113-6007188:-1
TTAGTATCGGCTGGTGTACCAACCGATACTAAAGATGTACTCTTAGTACCGGTTGGTAAC
ACCAACCGAGACTAACCGGTTGGTAACACCAACCG 0.841717 1
repeat_sense, igr_sense,
LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s05g18294.4, L
OC_0s08g13430.1, LOC_0s08g23829.1, 5123
55578 436 chr08|11978:6181429-6181546:-1
GTGATGAAGGTCACCTTTGATGGGTCCTACCGGATGCCGTCATCTGGCCCGTCACAGGTGA
CTAGTTACCTATGACGGATCACAACCGGATGGCCCGTCAGAGGTGAGGTTTACTCAC
ATGCCCCGTCAGAGGTGAGGT 0.548215 1 repeat_sense, igr_sense,
LOC_0s02g18760.1, LOC_0s05g01150.1, LOC_0s03g29020.1, LOC_0s12g25330.1, L
OC_0s12g25750.1, LOC_0s01g49870.1, LOC_0s04g08150.1, LOC_0s07g42010.1, L
OC_0s03g22340.1, LOC_0s07g40640.1, LOC_0s10g04290.1, LOC_0s04g01830.1, L
OC_0s11g12450.1, LOC_0s06g11810.1, LOC_0s10g24050.1, LOC_0s02g29920.1, L
OC_0s04g21700.1, LOC_0s04g07870.1, LOC_0s08g33760.1, 249
55606 126 chr08|11978:6612509-6612606:-1
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0.223832 1 repeat_sense, igr_sense,
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OC_0s10g01560.1, 13478
55607 126 chr08|11978:6612513-6612602:-1
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TGGGATCTTTAGTCCCGGTTGGTGTACC ACTGGGATCTTTAGTCCCGGT 0.177456 1
repeat_sense, igr_sense,
LOC_0s06g01440.1, LOC_0s03g61430.1, LOC_0s09g17360.1, LOC_0s11g36280.1, L
OC_0s05g18294.4, LOC_0s08g13430.1, LOC_0s04g23270.1, LOC_0s08g27180.1,
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55638 126 chr08|11978:6844565-6844662:-1
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0.0713659 1 repeat_sense, igr_sense,
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55694 1026 chr08|11978:7631610-7631746:-1
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TGGGAGTAAAATTGCAGGAGTTAAAATTTTACTGGAGTTAAATTTTAACTCGTGATGACGTGGACGAAT
CTCAGCC TCGTGATGACGTGGACGAAT 0.424712 1 repeat_sense, igr_sense,
LOC_0s03g15780.2, LOC_0s11g44920.1, LOC_0s09g39100.1, LOC_0s03g15780.1, L
OC_0s03g15780.3, LOC_0s09g23560.1, LOC_0s11g11070.1, LOC_0s03g15780.5, L
C_0s05g11360.1, 185

55696 9678 chr08|11978:7634977-7635117:-1
GAGAAGAGAGCAAGGTGTAGCCAAGGACAACTTGCCGGATCAACAGAGAAGGACTGCCAG
TCTCCGGCCAATTAATTAACCTCGCCGTCGCCATCGCCGGCCGCAAGTCATCCTTGGCTGCATCCTG
CTCTCTGCCTC CATCCTTGGCTGCATCCTGCT 0.784903 1 igr_sense,
LOC_0s06g25730.1, LOC_0s06g25850.1, LOC_0s02g08140.1, LOC_0s12g01449.1, L
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58390.1, LOC_0s02g25170.1, LOC_0s06g31350.1, LOC_0s05g19400.1, LOC_0s07g2
5320.1, LOC_0s05g11110.1, LOC_0s12g43179.1, LOC_0s09g04260.1, LOC_0s02g44
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55708 100 chr08|11978:7719235-7719380:-1
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CAAGGATCGTAAATT TACCTCATGGTACCTCCTCAAGGA 0.950875 0
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_0s03g27054.1, LOC_0s06g49850.1, LOC_0s01g14370.2, LOC_0s04g57830.1, LOC
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55809 126 chr08|11978:8914228-8914315:-1
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GGTGTTACCAACCGGGACTAAGGATTG GGTGTTACCAACCGGGACTA 0.352543 1
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OC_0s12g13480.1, LOC_0s09g03939.2, LOC_0s04g06630.1, LOC_0s07g13090.1, L
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_0s01g20950.1, LOC_0s12g06960.1, LOC_0s08g23829.1, LOC_0s06g32290.1, LOC
_0s11g06630.1, LOC_0s04g37420.1, 5642

55830 30668 chr08|11978:9337043-9337127:-1
CCACCGGCAGGCTCGAAAAGGGCGGATCCGCCACTGGCGGTCTTAGGAGTGGCGGATCCGT
CGCCATCGAGCTTGACAACGGCGG GATCCGTCGCCATCGAGCTTG 0.230991 0
exon_sense, cds_sense,
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OC_Os08g35790.1, LOC_Os03g16560.1, LOC_Os02g35250.1, LOC_Os04g09330.1, L
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_Os04g45310.1, 9

55874 24 chr08|11978:9878819-9878942:-1
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CACGGGATAATCGATTATCC 0.215459 1 repeat_sense, igr_sense,
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55933 30696 chr08|11978:10626172-10626273:-1
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0.197521 1 cds_antisense, exon_antisense,
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29170.2, LOC_Os05g27820.1, LOC_Os07g05010.1, LOC_Os07g42510.1, LOC_Os08g0
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56004 126 chr08|11978:11734837-11734940:-1
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_Os05g18294.4, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os08g23829.1, LOC_O

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56005 126 chr08|11978:11734887-11735020:-1

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56209 1100 chr08|11978:14761798-14761885:-1
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07g44520. 1, LOC_0s02g20070. 1, LOC_0s07g47730. 1, LOC_0s05g04970. 1, LOC_0s07g45660. 1, LOC_0s08g24640. 1, LOC_0s04g23300. 1, LOC_0s01g32460. 1, LOC_0s05g02850. 1, LOC_0s04g53270. 1, LOC_0s04g19910. 1, LOC_0s11g25140. 1, LOC_0s05g16680. 1, LOC_0s09g07250. 1, LOC_0s08g10050. 1, LOC_0s03g52550. 1, LOC_0s10g24770. 1, LOC_0s01g35470. 1, LOC_0s05g05010. 1, LOC_0s07g16490. 1, LOC_0s09g04540. 1, LOC_0s06g47370. 1, LOC_0s04g13290. 1, LOC_0s12g33560. 1, LOC_0s03g36270. 1, LOC_0s04g01190. 1, LOC_0s05g17040. 1, LOC_0s06g35430. 1, LOC_0s02g33260. 1, LOC_0s04g35870. 1, LOC_0s01g35730. 1, LOC_0s08g12400. 1, LOC_0s05g32040. 1, LOC_0s06g35380. 1, LOC_0s08g40550. 1, LOC_0s01g31160. 1, LOC_0s09g11570. 1, LOC_0s09g22350. 1, LOC_0s04g07290. 1, LOC_0s07g25080. 1, LOC_0s03g33290. 1, LOC_0s06g50260. 1, LOC_0s02g35280. 1, LOC_0s09g09860. 1, LOC_0s06g41690. 1, LOC_0s04g49910. 1, LOC_0s10g13990. 1, LOC_0s11g22690. 1, LOC_0s04g24390. 1, LOC_0s11g45230. 1, LOC_0s10g11930. 1, LOC_0s04g20990. 1, LOC_0s01g39360. 1, LOC_0s10g12220. 1, LOC_0s05g20820. 1, LOC_0s03g36470. 1, LOC_0s10g17230. 1, LOC_0s07g06355. 1, LOC_0s06g45530. 1, LOC_0s04g24080. 1, 540

56220 464 chr08|11978:14841678-14841775:-1

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TAGGATGCCATGTCCTCGTCTAGGTGAAACAACCAC CATGTCTCTCGTCTAGGTGAAAC

0.245251 1 repeat_sense, igr_sense,

LOC_0s11g10420. 1, LOC_0s01g69050. 2, LOC_0s09g23350. 1, LOC_0s05g35260. 2, LOC_0s06g45480. 2, LOC_0s11g07890. 1, LOC_0s09g26170. 1, LOC_0s04g49194. 1, LOC_0s02g41510. 1, LOC_0s01g69050. 1, LOC_0s05g35260. 1, LOC_0s06g45010. 1, LOC_0s06g45480. 1, LOC_0s03g19860. 1, LOC_0s06g02710. 1, LOC_0s02g57790. 1, LOC_0s12g12770. 1, 104

56275 30780 chr08|11978:15498734-15498831:-1

AATCTAGAACGGAATGTGACCCCTCCTCGAATAATAAACCCAGACAAAAGGTAGTCCAGAT
TCGTTGTCTTAGAAGGGGTCATATTCCTTCTAGGTT AGAAGGGGTCATATTCCTT 0.630959

1 repeat_sense, igr_sense,

LOC_0s02g53740. 2, LOC_0s10g19860. 1, LOC_0s02g53740. 1, LOC_0s02g53740. 3, LOC_0s12g11200. 1, 4

56304 126 chr08|11978:15865524-15865645:-1

ATGATCTTTAGTCCCGTTGGTGACATCATCTTTACTCCCGTTCATCCCGTGTCAAGTAGT
CTGTACAGGGGGCCGAGGATCTTTAGTCTCGGTTGGTGACACCAACCGGGAGTAAAAATCAT

GTGACACCAACCGGGAGTAAA 0.0803808 1 repeat_sense, igr_sense,
LOC_0s07g14430. 1, LOC_0s08g28860. 1, LOC_0s09g17360. 1, LOC_0s12g17280. 1, LOC_0s04g06630. 1, LOC_0s01g63840. 1, LOC_0s08g26860. 1, LOC_0s01g63840. 2, LOC_0s05g18294. 4, LOC_0s08g23829. 1, LOC_0s10g01560. 1, LOC_0s07g14480. 1, 2490

56309 24 chr08|11978:15915095-15915180:-1

GGATTTTTGCAAGCGGACCACATAAGGTTTCGCGTGTGAAAATAGATTTTCGCAAGCGCCGT
TTAAGTGGTCCGCTGCGAACGGAC TTAAGTGGTCCGCTGCGAA 0.327179 1

repeat_sense, igr_sense,

LOC_0s10g23030. 1, LOC_0s05g30200. 1, LOC_0s04g21360. 1, LOC_0s12g36820. 1, LOC_0s09g16050. 1, LOC_0s12g16570. 1, LOC_0s04g03760. 1, 465

56335 126 chr08|11978:16263694-16263780:-1
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 TTGGTACTACCAACCGGGACTAAAGT GGTGGTACTACCAACCGGGA 0.411433 1
 repeat_sense, igr_sense,
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 56440 24 chr08|11978:17455442-17455544:-1
 TTTGCAGGCGGGCCATATAAGCGGCGCCTGTGAAGATCGATCTTCGCAGGCGCACGTCGTC
 TGTCGCCTGCGAAGAGCGTCGCTTATATGGTCCGCATGCAAA GCGTCGCTTATATGGTCCGC
 0.415053 1 intron_antisense, repeat_sense,
 LOC_0s07g28590.1, LOC_0s12g16570.1, LOC_0s11g31250.1, 98
 56457 126 chr08|11978:17745347-17745431:-1
 ATCTTTAGTCCCGTTGTTGAGAACAACCGGGAGTAAAGAAAAGATATTTACTCCCGGTTG
 TTGAGAACAACCGGGACTAAAGAT TCCCGTTGTTGAGAACAACCGGGA 0.0446858
 1 intron_antisense, repeat_sense,
 LOC_0s02g08060.1, LOC_0s08g23100.1, LOC_0s12g17280.1, LOC_0s01g17402.1, L
 OC_0s01g17402.2, LOC_0s05g39470.1, LOC_0s12g34010.1, LOC_0s05g01120.1, L
 C_0s09g17020.1, LOC_0s12g18420.1, 1252
 56461 24 chr08|11978:17759174-17759262:-1
 ATTTTCCAGGCGGACCAGTTAAGAGGTCCGCCTGCAAAATAAAGGTATTTTCGCAGGCAG
 ACCTCTTAAGTGGTCCACCTGGAAAAAT GACCTCTTAAGTGGTCCACCTG 0.538199 1
 repeat_sense, igr_sense,
 LOC_0s10g23030.1, LOC_0s07g05320.1, LOC_0s07g07060.1, LOC_0s04g57690.1, L
 OC_0s04g03760.1, 171
 56478 126 chr08|11978:18067508-18067670:-1
 ACTAAATGGTGATCTTTAGTCCCGTTGGTGACTAAAGATCCTCGGCCCCCTGACATCAA
 TCTGACAGGGGATGAACCAGGACTAAAGATCATTTTGTAGTCCCGACTAAAGATCATAGAATGCCTCTG
 GGTTCCTCAACCGGGACTAAAGATCATTTTGTAGT TTTCAACCGGGACTAAAGAT 0.0434827
 1 repeat_sense, igr_sense,
 LOC_0s04g29890.1, LOC_0s10g08660.1, LOC_0s09g17360.1, LOC_0s09g03939.2, L
 OC_0s04g06630.1, LOC_0s03g31760.1, LOC_0s05g18294.4, LOC_0s10g30350.1, L
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 56519 6568 chr08|11978:18606270-18606357:-1
 GACATCCATATCCCACTAGAACTTGCTACCGTTGCCACTATCTTATGGTAGTGACATTGAT
 AGCAAGTTCGAGTGGGATACTGATGTC TAGCAAGTTCGAGTGGGATA 0.760924 1
 repeat_sense, igr_sense,
 LOC_0s10g20480.2, LOC_0s03g13100.1, LOC_0s10g20480.3, LOC_0s11g19330.1, L
 OC_0s10g20480.1, 46
 56703 314 chr08|11978:20656523-20656601:-1
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 GCCAAACGGGGCATATCT GGAGCTAGAGCTGTGCCAAACGGG 0.472259 1
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56707 2230 chr08|11978:20674809-20674883:-1

GCTTGATCGAGCTCGAACCAAGCCTGTCTAAAAGTTCGAACATTTTATAGGCTTGGCTCGA
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56768 1384 chr08|11978:21582529-21582800:-1

AGCATCTGGATAATTGCTTTATTGAGAAGCATCGATGAGGTCTTGAGACTTGAGCAGGTCA
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AGCCCTGCCGAGCTATTCGAGCTCGAGCTTGCTAGGCTTGCGAGCCTCAACCTTGGCTTGAGCTTGCT
TGTCTAGTATTCGAGCCGAGCTCGAATCAAGCCTGTAACGAATCAAGCTCGAGCAGCTTGCGAGCTCCG
AGCT ATCAAGCTCGAGCAGCTTGCGA 0.418989 1 repeat_sense, igr_sense,
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56806 126 chr08|11978:22204255-22204351:-1

GAGGAAGATCTTTAGTCCCGGTTGTTGTTACCAACCAGGACTAAAAATCATTTTTAGTCTC
GGTTGGTAACTCCAACCGGGACTAAAGTTCATTTTT CTCCAACCGGGACTAAAGTT 0.115511
1 repeat_sense, igr_sense,
LOC_0s07g14430. 1, LOC_0s10g08660. 1, LOC_0s09g17360. 1, LOC_0s04g06630. 1, LOC_0s08g26860. 1, LOC_0s03g31760. 1, LOC_0s05g18294. 4, LOC_0s10g01560. 1, 2750

56807 126 chr08|11978:22204264-22204342:-1

CTTTAGTCCCGGTTGTTGTTACCAACCAGGACTAAAAATCATTTTTAGTCTCGGTTGGTAA
CTCCAACCGGGACTAAAG CGGTTGGTAACTCCAACCGG 0.0299757 1
repeat_sense, igr_sense,

LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s05g18294.4, LOC_0s08g23829.1,
3422
56851 126 chr08|11978:22884697-22884774:-1
TTTATTCTGCTAGTAACACTAACCGGGACTAAAAACCTAATTTTAGTCCCGGTGGTG
TACTAACCGGGACTAAA CCGGTTGGTGTTACTAACCGGGACTA 0.667238 1
repeat_sense, igr_sense,
LOC_0s08g45200.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s09g03939.2, L
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0s04g37420.1, 5064
56854 796 chr08|11978:22917718-22917814:-1
GTTTCAGGTGATACTTGCAAGTATCATGTGATACTTATCAGGTATCATGCGATTTTTACCA
CGTATTACGTGATACTCGCGAGGTATCACGTGAAAC ACGTGATACTCGCGAGGTATC
0.0925944 1 repeat_sense, igr_sense,
LOC_0s10g36229.1, LOC_0s11g11510.1, LOC_0s01g58980.1, LOC_0s07g36510.1, L
OC_0s01g49750.1, LOC_0s05g16210.1, LOC_0s08g36830.1, LOC_0s08g37360.1, LO
C_0s12g22470.1, LOC_0s12g37200.1, 212
56887 126 chr08|11978:23368531-23368649:-1
GTCCCGGTTGGTGACACCAACCAGGATTAAAGATCCTCGCCCCCTGACATCCTACTGACA
GGGAATGAACCGGGACTAAAAATGATTTTATGTCCTGGTTGGTGTTACCAATCGGGAT
TTAGTCCTGGTTGGTGTTACC 0.308619 1 repeat_sense, igr_sense,
LOC_0s10g08660.1, LOC_0s09g17360.1, LOC_0s02g08060.1, LOC_0s12g13480.1, L
OC_0s05g18294.4, LOC_0s01g20950.1, LOC_0s12g22910.1, LOC_0s11g39940.1, LO
C_0s10g01560.1, 3403
56925 1522 chr08|11978:23925738-23925852:-1
TAGACATCTCAGCGCCACGTCAACTGGCGCTGAATGCCGTGCCACGACGGATGGGAGACTA
TGTCAGCGTGCCAACGTACATTACAGCCCATGCTATTGGCGCTGAGGTATCTA
TCAGCGCCATGCTATTTGGCGCTG 0.872811 0 repeat_sense, igr_sense,
LOC_0s08g41870.1, LOC_0s01g28720.1, LOC_0s05g46130.1, LOC_0s02g28880.1, L
OC_0s04g25430.1, LOC_0s03g26329.1, LOC_0s02g34280.1, LOC_0s05g08890.1, LO
C_0s03g18060.1, LOC_0s04g31484.1, LOC_0s06g34920.1, LOC_0s07g25500.1, LOC
_0s06g11360.1, 214
56951 30983 chr08|11978:24355145-24355217:-1
GTGGTAGTGTGTGCTACCACACCAGCCTCTTGTCACGCCACCGTGGCTGGTGTGGCAAAA
CAACGCTGCCAC CTGGTGTGGCAAAACAACGC 0.191947 0 igr_sense,
LOC_0s03g53480.1, LOC_0s10g17410.1, LOC_0s07g02250.1, LOC_0s05g19060.1,
32
56954 30984 chr08|11978:24391707-24391820:-1
TGATCTTTGGATCGTGGAAGGAGATGCCGACGTCGACGAGTTCTTCTTCCTTCGCCTGTGG
CTCCGGTTCGTGGTGATCGCCGGCGTCGTCTTCCCCTCCCATGAGAGAGATCG
CGGCGTCGTCTCCCTCCCCTATGA 0.199698 1
cds_antisense, exon_antisense,
LOC_0s07g40450.2, LOC_0s01g18660.1, LOC_0s01g01660.1, LOC_0s06g33620.1, L

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56972 1522 chr08|11978:24651181-24651319:-1

TTTCAGCGCCAAATCGTGTGGCGTTGAATTTAGACACCTCAGCGTCACGTCAACTGTCGCT
GAATGCCGTGCCACCGCGGATGGGAGGCTAAGTCAGCGTGCCAACATACATTCAGCGCCGTGCTATTTG
GCACTGAGG TCAGCGCCGTGCTATTTGGC 0.590546 1

intron_antisense, repeat_sense, igr_sense,

LOC_0s01g03670. 1, LOC_0s06g34920. 1, LOC_0s04g06220. 1, LOC_0s03g19250. 1,
105

57025 31016 chr08|11978:25224753-25224901:-1

TTTCGCTTTCTTTGTGTTAGGGCTTCCATAGTATGACGTGATAATATACCTTAGATAGAAT
ATCACGTCATATTTAGCATGATATTTTAGGTTGGTTATTTAGGGTGTACGTCATATTGTGGATGCCT
TAACACGAAGAGAGCGGGA GTGGATGCCTTAACACGAAG 0.491233 1

intron_sense,

LOC_0s01g32220. 1, LOC_0s08g36450. 1, LOC_0s01g62830. 1, 2

57059 31031 chr08|11978:25776658-25776783:-1

CGACGGTGGAGGAGAGCGGGCGGCGGACGACGTGCCACAGCCAGACGTGGTAGACGAT
CGGGAACACGATCCCCGCCGGGATCAGCACGAGGTCCAAGTAGCTGTCTTCCACGCCATGGACG
GTAGCTGTCTTCCACGCCA 0.107777 1

cds_antisense, exon_antisense,

LOC_0s08g40940. 1, LOC_0s07g09080. 1, LOC_0s01g57910. 1, LOC_0s09g32100. 1, LOC_0s12g13740. 1, LOC_0s12g10670. 1, LOC_0s02g38589. 1, LOC_0s03g14150. 1, LOC_0s10g33490. 1, LOC_0s11g06010. 1, LOC_0s01g51780. 1, LOC_0s02g38499. 1, 4

57087 100 chr08|11978:26199307-26199430:-1

CAACAAAAATTATCTCGAGATACCGATACCTCACGGTACCGATAACTCATCTGCTCAGCTA
GATCCAACGATCGAAAAATAATTTGGTACCGTGAGGTACCGGTATTTTCGAGATACTTTTTTGTG
CCGTGAGGTACCGGTATTTTCGAGATA 1.11752 1

utr_sense, exon_sense, repeat_sense,

LOC_0s05g34040. 2, LOC_0s05g43110. 1, LOC_0s01g02550. 1, LOC_0s10g23120. 1, LOC_0s09g31150. 1, LOC_0s08g41720. 1, LOC_0s12g09190. 1, LOC_0s02g42110. 1, LOC_0s09g23340. 1, LOC_0s04g11780. 1, LOC_0s05g34040. 1, LOC_0s06g13190. 1, LOC_0s08g09840. 1, 132

57216 31087 chr09|11979:45109-45185:-1

GAGCCGAGCCAAGGCAAGCCTAGCTTGTTGCGAGCCATTGCAAGCCGAGCCGAGCCTGGCT
TGTCTTGGCTCGTTTC GAGCCTGGCTTGTCTTGGCTC 0.580223 1

repeat_sense, igr_sense,

LOC_0s04g36730. 1, LOC_0s05g05310. 2, LOC_0s01g18040. 1, LOC_0s09g14870. 1, LOC_0s12g16920. 1, LOC_0s02g31890. 1, LOC_0s09g18280. 1, LOC_0s02g14130. 1, LOC_0s08g39840. 1, LOC_0s03g53710. 1, LOC_0s06g13460. 1, LOC_0s08g17830. 1, LOC_0s09g02460. 1, LOC_0s04g58970. 1, LOC_0s05g05310. 1, 29

57349 1920 chr09|11979:1290558-1290624:-1

CTTGTCGAATAGGGGCAGTTTGATAGGGTATTTTTTATACCCTGTGCAACAACCGCAGTTC
GACAGG CTGTCGAACAACCGCAGTTC 0.0488338 1 repeat_sense, igr_sense,
LOC_0s04g57680. 1, LOC_0s01g26340. 1, LOC_0s03g45130. 1, LOC_0s11g15170. 1, LOC_0s07g22650. 2, LOC_0s04g41840. 1, LOC_0s01g63170. 1, LOC_0s03g02130. 1, LOC_0s02g30670. 1, 115

57358 126 chr09|11979:1349801-1349882:-1

TCTTTTTTCTGTTGGTGTACCAACCGGGACTAGAAATAGATCTTTAGTCCCGGTTGAT
AACACCAACCGGGACTAAAGA AGTCCCGGTTGATAACACCAACCGG 0.278846 1

repeat_sense, igr_sense,

LOC_0s07g09850. 1, LOC_0s06g22430. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s05g18294. 4, LOC_0s05g30000. 1, LOC_0s08g13430. 1, LOC_0s08g23829. 1, LOC_0s10g09920. 1, LOC_0s02g17180. 1, 4628

57389 866 chr09|11979:1553716-1553856:-1

GTCTTGAAGTCATACTGGTGGATCCTTGAGCACCAAGTCCCCCTACCTAGCGCTCCACTGT
CACGAGTGATACTCGCGACCGGAAGAATAGGGTATTGGGGTACGTTGGAACAGGGATCTACGTAGTAC
GACATCAAAAC ACAGGGATCTACGTAGTACGACAT 0.663984 1

repeat_sense, igr_sense,

LOC_0s07g24549. 1, LOC_0s04g19760. 1, LOC_0s02g18560. 1, LOC_0s10g11720. 1, LOC_0s04g24880. 1, LOC_0s07g27520. 1, LOC_0s12g32410. 1, LOC_0s08g22410. 1, LOC_0s03g23990. 1, LOC_0s06g24680. 1, LOC_0s09g22030. 1, LOC_0s01g01270. 1, LOC_0s11g20400. 1, LOC_0s06g36730. 1, LOC_0s01g57780. 1, LOC_0s02g32910. 1, LOC_0s01g32500. 1, LOC_0s09g36490. 1, LOC_0s01g36430. 1, LOC_0s11g11290. 1, LOC_0s10g20170. 1, LOC_0s09g12340. 1, LOC_0s07g24310. 1, LOC_0s09g19590. 1, LOC_0s03g41970. 1, LOC_0s10g15190. 1, LOC_0s11g24150. 1, LOC_0s05g33490. 1, LOC_0s06g29910. 1, LOC_0s07g49060. 1, LOC_0s01g46880. 1, LOC_0s08g16550. 1, LOC_0s12g11900. 1, LOC_0s07g37860. 1, LOC_0s09g14180. 1, LOC_0s04g16170. 1, LOC_0s07g16120. 1, LOC_0s03g63830. 1, LOC_0s02g30520. 1, LOC_0s10g25080. 1, LOC_0s02g14440. 2, LOC_0s09g29030. 1, LOC_0s10g40180. 1, LOC_0s11g47452. 1, LOC_0s03g33190. 1, LOC_0s04g14770. 1, LOC_0s01g19760. 1, LOC_0s02g28330. 1, LOC_0s07g14800. 1, LOC_0s03g40220. 1, LOC_0s05g41720. 1, LOC_0s08g15120. 1, LOC_0s07g2446

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57418 614 chr09|11979:1801144-1801235:-1

ACTTACCTCCCTCTAACTTGTGTCAGTACGCTGTGGGCCCTTTACCCAGTGGACCCACAT
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0. 429749 1 igr_sense,

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57646 692 chr09|11979:4348371-4348476:-1

GGGGTGTAAGTGGCTAACCCGCGAAACCCACTTATAGATTAAAATAAGCCGCGAGCCCACT
TATTTTGATGTATAAGTGAGTTCGTGGCTAACCCACTTATACCCC GTTCGTGGCTAACCCACTTA

0. 127458 0 repeat_sense, igr_sense,

LOC_Os03g49620. 4, LOC_Os03g49620. 6, LOC_Os03g49620. 3, LOC_Os03g57660. 2, L
OC_Os08g42930. 1, LOC_Os03g49620. 5, LOC_Os03g49620. 2, 43

57668 1920 chr09|11979:4546959-4547064:-1

GGTTAGCATCCTGTGCAACAACCGTGGTTGACAGGGGAACCTATCGAACAACCTGTAGTTC
GATAGGTACCTATCGAACCGTGGCAGTTCGACAGGGTAGTTGATT TCGAACCGTGGCAGTTCGACAGG

0. 509134 1 repeat_sense, igr_sense,

LOC_Os03g52070. 1, LOC_Os01g26340. 1, LOC_Os03g45130. 1, LOC_Os02g13710. 1, L
OC_Os01g23940. 1, LOC_Os04g41840. 1, LOC_Os03g20300. 1, LOC_Os01g63170. 1, L
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_Os01g02610. 1, LOC_Os02g30670. 1, LOC_Os11g15750. 1, 79

57702 126 chr09|11979:4944369-4944452:-1

ATCTTTTATTCCGATTGGTATTACTAACCGGACTAAAAATAGATCTTTAGTCCCGGTTGG
TAACACCAACCGGAAAAAAGAT CCCGGTTGGTAACACCAACCGG 0. 368393 1

repeat_sense, igr_sense,

LOC_Os06g22430. 1, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os02g08060. 1, L
OC_Os12g13480. 1, LOC_Os04g06630. 1, LOC_Os08g31649. 1, LOC_Os08g13430. 1, L
C_Os08g23829. 1, 5447

57729 31237 chr09|11979:5139449-5139550:-1

GACGAGCTGGGGACGGTACTGCCGCTGGGTGACGATCATCTGCAGGCCGCGGCTGCTGTTC
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0. 24809 0 cds_antisense, exon_antisense,

LOC_Os06g34400. 1, LOC_Os12g43140. 1, LOC_Os12g24530. 1, LOC_Os04g42200. 1, L
OC_Os01g10320. 1, LOC_Os09g06280. 1, LOC_Os11g41210. 1, LOC_Os10g41310. 1, L

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 57819 126 chr09|11979:5931897-5931983:-1
 GATTTTTATTCCCGGTTTGTAAACCAACCGGGACTAAAAATTCTATCTTTAGTTCCGGTT
 GGTGTTACAAACCGGGACTAAAGATC GGTGTTACAAACCGGGACTA 0.587263 1
 repeat_sense, igr_sense,
 LOC_0s11g10290.1, LOC_0s05g09210.1, LOC_0s08g45200.1, LOC_0s01g28080.1, LOC_0s04g27010.1, LOC_0s12g13480.1, LOC_0s09g03939.2, LOC_0s04g06630.1, LOC_0s07g13090.1, LOC_0s12g40960.1, LOC_0s03g43080.1, LOC_0s09g03939.1, LOC_0s01g20950.1, LOC_0s12g06960.1, LOC_0s08g23829.1, LOC_0s06g32290.1, LOC_0s11g06630.1, LOC_0s04g37420.1, 3957
 57831 126 chr09|11979:6115719-6115810:-1
 GGACTAGATGATCTTTATTCCCGATTGAGGTTACCAACCGGGACTAAAGATGGTTGGTAAC
 ACCAACCGGGACTAAAGATGATCTTTAGTCC CAACCGGGACTAAAGATGATC
 0.0174648 1 repeat_sense, igr_sense,
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 57924 8938 osa-MIR395w chr09|11979:6605293-6605359:-1
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 GGATTC GTGAAGTGTGGGGGATTCTC 0 igr_sense,
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 57926 8938 osa-MIR395v chr09|11979:6605575-6605643:-1
 GAATTCTCTTTAAGCACTTCATACGACACAATTATTTCAAGGGTTGTTGTGAAGTATTTGG
 CGGAAGTC GTGAAGTATTTGGCGGAAGTC 0 igr_sense,
 HASH(0x136e96a8)
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 57927 8938 osa-MIR395u chr09|11979:6605704-6605786:-1
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 CGTTTGGGGGAAATCTCAGTGT GTGAAGCGTTTGGGGGAAATC 1 igr_sense,
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 57928 8938 osa-MIR395t chr09|11979:6606356-6606491:-1
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 CACTGTTGCATAACTATGAGCATGGGGCCAAAAGTTAGCTGCTTATAGTGAAGTGTGGGGAACTCC
 GGTGG GTGAAGTGTGGGGGAACTC 1 igr_sense, HASH(0x13700e10)
 LOC_0s03g09930.2, LOC_0s08g18080.1, LOC_0s03g19750.1, LOC_0s03g09930.1, LOC_0s03g09930.1, 22

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 36
 57953 750 chr09|11979:6787998-6788076:-1
 CGGTCAGACCGGCGGCATGCGGCCGGTCGGACCGCCTCTGGTCACCGGTTAGACCTGCCGT
 GCAATGCCGGTCAGACCG AGACCTGCCGTGCAATGCCGGTCA 0.164166 1
 repeat_sense, cds_antisense, exon_antisense,
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 57967 5024 chr09|11979:6900654-6900775:-1
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 TCGCGGCTTATTTTAGTTTATAAGTGGGTTTCGCGGGTTAGTCACTTACACCCCTAACTAG
 TTCGCGGGTTAGTCACTTACACC 0.257559 1 repeat_sense, igr_sense,
 LOC_0s07g41090. 1, LOC_0s11g27240. 1, LOC_0s06g43930. 1, LOC_0s01g57140. 1, L
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 58040 1920 chr09|11979:7698221-7698311:-1
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 ACATGTGCAACTGCGTCAGTTCGACAGGT TGTCGAACTGCGTCAGTTCGACAGG 0.796728 1
 repeat_sense, igr_sense,
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 OC_0s01g28700. 1, LOC_0s04g41840. 1, LOC_0s09g27940. 1, LOC_0s12g24980. 1, L
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 58151 126 chr09|11979:8500273-8500353:-1
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 AATACCAACCGGAATAAG CCCGGTTGTTAATACCAACCGG 0.172901 0
 repeat_sense, igr_sense,
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58205 31358 chr09|11979:8963849-8963961:-1
GTCAGAGGTGATAGACATCTCTGACGGGTGGCTCCACCCACCCGTCACAGGTTACTCTCAT
CTGTGACGGGCTCTGAAATACTGGCCCCGTAGAGGTGACTGTCACCTCTGAC
CGTCAGAGGTGACTGTCACC 0.406736 1 repeat_sense, igr_sense,
LOC_Os06g42250.1, LOC_Os04g34700.1, LOC_Os03g22340.1, LOC_Os10g04290.1, L
OC_Os12g34790.1, LOC_Os03g48520.1, LOC_Os04g02840.1, LOC_Os11g21870.1, L
C_Os01g27320.1, LOC_Os07g47710.1, LOC_Os04g14250.1, LOC_Os02g19690.1, LOC
_Os04g07310.1, LOC_Os12g17730.1, LOC_Os11g22540.1, LOC_Os08g33760.1, 142
58249 100 chr09|11979:9352017-9352177:-1
GAGCAATTTTACGGTCCTTGAGGAGGTACCATGAGGTACCATTTTTTCTATTATAAATTTG
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TGGCACCTCTCAAGAACCGTAGAATTGCTT TACCTCATGGCACCTCTCAAGAACCGT
0.317772 1 repeat_sense, igr_sense,
LOC_Os01g51300.1, LOC_Os07g17260.2, LOC_Os06g28310.1, LOC_Os01g50090.1, L
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C_Os12g32992.1, LOC_Os04g32070.1, LOC_Os09g29810.1, LOC_Os12g34950.1, LOC
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C_Os07g17260.1, LOC_Os05g10940.1, LOC_Os08g24410.1, LOC_Os03g61380.1,
269
58305 126 chr09|11979:9806109-9806187:-1
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TGTTATCAACCGGGACTA TCCCGGTTGGTGTATCAACC 0.19096 1
repeat_sense, igr_sense,
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58309 750 chr09|11979:9815506-9815584:-1
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intron_antisense, repeat_sense,

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58340 436 chr09|11979:10192210-10192324:-1

TTACCGTAGGGCCCGTCACAGATGAGTCATCCGTGACGAGCCTGAATGTCATCTCAATCGG
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ACTCATCTGTGTCTGGGCTCTAT 0.45109 1 repeat_sense, igr_sense,
LOC_0s07g31560. 1, LOC_0s04g48020. 1, LOC_0s01g24650. 1, LOC_0s01g68540. 1, LOC_0s04g50660. 1, LOC_0s11g35540. 1, LOC_0s09g17329. 2, 524

58347 31406 chr09|11979:10269863-10269974:-1

TGGGTGGGAAGCTGGTTCGTGTTTCGACGGCACGACACCGAGAACTGGGACGTGATCTGACGA
AGGTGGAGTACTTAGCCATGCTGCCATCGAACACGACCAGCTTCCCGCCCG

GCCATCGAACACGACCAGCT 0.0782089 1 igr_sense,
LOC_0s06g33720. 1, LOC_0s04g19620. 1, LOC_0s04g31330. 1, LOC_0s04g21910. 1, LOC_0s07g46410. 1, LOC_0s04g01600. 1, LOC_0s08g45060. 1, LOC_0s07g06840. 1, LOC_0s03g03260. 1, LOC_0s01g12230. 1, LOC_0s07g46410. 2, LOC_0s09g37780. 1, LOC_0s04g01600. 2, LOC_0s11g42060. 1, LOC_0s03g46920. 1, LOC_0s01g19280. 1, 4

58363 126 chr09|11979:10399341-10399464:-1

TTAGTCCCGGTTGGTGTACCAACCGGGAGTAAAGATATCGGGGGCCTGACAAGGCCTGA
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AGTCCCGGTTGGTAACACCAACCGAGA 0.620732 1
repeat_sense, intron_sense,
LOC_0s09g33680. 2, LOC_0s06g22430. 1, LOC_0s09g13880. 1, LOC_0s04g42090. 2, LOC_0s02g50650. 1, LOC_0s06g04920. 2, LOC_0s09g17360. 1, LOC_0s02g08060. 1, LOC_0s12g13480. 1, LOC_0s01g02220. 1, LOC_0s04g42090. 1, LOC_0s06g04920. 1, LOC_0s05g18294. 4, LOC_0s07g23354. 1, LOC_0s09g33680. 1, LOC_0s04g42090. 3, LOC_0s08g08310. 1, LOC_0s08g13430. 1, LOC_0s08g23829. 1, LOC_0s04g13630. 1, LOC_0s08g27180. 1, LOC_0s04g42090. 4, 5895

58383 126 chr09|11979:10625298-10625374:-1

TTTAGTCTTGGTTGGTAATACCAACCGGGACTAAAGATCATCTAGACTCTCGGTTGGTATT
ACCAACCAGAACTAAA TCTCGGTTGGTATTACCAACCA 0.462155 1

utr_sense, exon_sense, repeat_sense,

C_0s03g37610.1, LOC_0s04g09310.1, LOC_0s09g11300.1, LOC_0s04g57460.1, LOC_0s02g52520.1, LOC_0s11g43120.1, LOC_0s07g47780.1, LOC_0s11g07400.1, LOC_0s07g16880.1, LOC_0s04g25720.1, LOC_0s04g01830.1, LOC_0s01g12590.1, LOC_0s11g12450.1, LOC_0s06g32740.1, LOC_0s11g20580.1, LOC_0s01g39399.1, LOC_0s11g35540.1, LOC_0s09g17329.2, LOC_0s05g10540.1, LOC_0s01g52940.1, LOC_0s02g19690.1, LOC_0s10g08920.1, LOC_0s05g42320.1, LOC_0s05g24460.1, LOC_0s12g16450.1, LOC_0s06g21040.1, 2590

58547 436 chr09|11979:12024771-12024883:-1

TATCTTAGGGCTCGTCACAGATGACTCATCCGTGACGAGCCTGAATGTCATCTCAATCGGG
CATTAGTATGGTGCCCGTCACTGATGAGTCATCTGTGACGGGCCCTACGGTA

GATGAGTCATCTGTGACGGGC 0.467974 1 repeat_sense, igr_sense,
LOC_0s12g25330.1, LOC_0s03g37610.1, LOC_0s04g09310.1, LOC_0s09g11300.1, LOC_0s11g43120.1, LOC_0s04g25720.1, LOC_0s11g12450.1, LOC_0s06g32740.1, LOC_0s11g20580.1, LOC_0s01g39399.1, LOC_0s11g35540.1, LOC_0s02g19690.1, LOC_0s06g21040.1, 2178

58566 126 chr09|11979:12115392-12115475:-1

ATCTTTAGTCCCGTTGGTGACGCCAACCGGGACTAAAGATATATTTTAGTTTCGGGTTGG
TGTTACCAAACGGGAAAAAAGAT GGTGTTGTTACCAAACGGGA 0.656162 1

repeat_sense, igr_sense,
LOC_0s03g47910.1, LOC_0s08g45200.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s07g11720.1, LOC_0s11g37390.1, LOC_0s08g23829.1, 3437

58573 5614 chr09|11979:12188310-12188381:-1

GCTGGGTTTCTAGCTCGTTACGATAACGAGCCGAGCCGAGCTAGCTCGTTATCCTAACGAG
CTTGACCGAGC GCTCGTTATCCTAACGAGCT 0.00915515 1

repeat_sense, igr_sense,
LOC_0s07g22494.1, LOC_0s07g22494.2, LOC_0s05g25570.1, LOC_0s05g51420.5, LOC_0s11g35670.1, LOC_0s02g46380.3, 324

58627 31498 chr09|11979:12577182-12577279:-1

GCCACGTTAGCTAGATCAGCGTGGCTAAATAAATATTGTTGCACCATTTAAATTAGTGTGA
CATTATTATTTTGCCATGCCTGTCTGGCTGAAGTGGC TTGCCATGCCTGTCTGGCTG 0.885064
1 igr_sense,

LOC_0s06g18900.1, LOC_0s11g03484.1, LOC_0s10g36260.1, LOC_0s12g03200.1, LOC_0s10g36260.3, LOC_0s11g10920.1, LOC_0s10g36260.2, LOC_0s03g50364.1, LOC_0s04g21820.1, 8

58775 126 chr09|11979:13963305-13963440:-1

GATGCAATAAAAACCGAGGCTAAAGATGATCTTTAGTCCCGTTCAAAGGGTAACGGGCA
TATTTGATCTTTAGTCCCGGTTTGTGTTACCAACCAGGACTAAAGATCATCTTTAGTCCCGGTTCGAAT
GCTGTC CATCTTTAGTCCCGGTTCTGA 0.191827 1 repeat_sense, igr_sense,
LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s02g55890.1, LOC_0s01g38580.1, LOC_0s10g01560.1, 2291

58825 126 chr09|11979:14239759-14239841:-1

TTTACCCCCGGTTTGTGTTACTAACCGGGATTAAAGATCACGGTAATTTTAAGCCCCGGTT
GGTAACACAAACCGGGACTAAA CCCGGTTGGTAACACAAACCGG 0.647478 1

repeat_sense, intron_sense,

C_0s12g19470. 1, LOC_0s08g32450. 1, LOC_0s07g09230. 1, LOC_0s01g48210. 1, LOC_0s12g12150. 1, LOC_0s12g19394. 4, LOC_0s05g37580. 1, LOC_0s05g50540. 1, LOC_0s09g36200. 1, LOC_0s06g23830. 1, LOC_0s07g09580. 2, LOC_0s10g30650. 1, LOC_0s04g54690. 1, LOC_0s08g19400. 1, LOC_0s08g25120. 1, LOC_0s01g49440. 1, LOC_0s11g34590. 1, LOC_0s09g36850. 1, LOC_0s01g41060. 1, LOC_0s11g14960. 1, LOC_0s07g09580. 1, LOC_0s05g03710. 1, LOC_0s02g52070. 1, LOC_0s11g20180. 1, LOC_0s03g46230. 1, LOC_0s01g63110. 1, LOC_0s04g37430. 1, LOC_0s04g24630. 1, LOC_0s05g40860. 1, LOC_0s03g06220. 1, LOC_0s09g24760. 1, LOC_0s11g12700. 1, LOC_0s06g45260. 1, LOC_0s04g20340. 1, LOC_0s04g53496. 1, LOC_0s06g09230. 1, LOC_0s06g30710. 1, LOC_0s04g34820. 1, LOC_0s04g35460. 1, LOC_0s09g19540. 1, LOC_0s02g07560. 1, LOC_0s03g05000. 1, LOC_0s06g42970. 1, LOC_0s01g17396. 1, LOC_0s06g37050. 1, LOC_0s11g34330. 1, LOC_0s02g56380. 1, LOC_0s04g51720. 1, LOC_0s06g33350. 1, LOC_0s03g54950. 1, LOC_0s03g51870. 1, LOC_0s03g06270. 1, LOC_0s02g29250. 1, LOC_0s06g24980. 1, LOC_0s05g14350. 1, LOC_0s07g38510. 1, LOC_0s05g21110. 1, LOC_0s05g42190. 1, LOC_0s04g44224. 1, LOC_0s01g02660. 1, LOC_0s03g05890. 1, LOC_0s12g01170. 1, LOC_0s04g46980. 1, LOC_0s07g34800. 1, LOC_0s12g19470. 2, LOC_0s09g39300. 1, LOC_0s05g11990. 2, LOC_0s06g31010. 1, LOC_0s04g20950. 1, LOC_0s10g22540. 1, LOC_0s01g01250. 1, LOC_0s10g12000. 1, LOC_0s08g44580. 1, LOC_0s09g23510. 1, LOC_0s06g44580. 1, LOC_0s08g37550. 1, LOC_0s01g22410. 1, LOC_0s01g52900. 1, LOC_0s03g08920. 1, LOC_0s02g01890. 1, LOC_0s12g12710. 1, LOC_0s08g18950. 1, LOC_0s08g23300. 1, LOC_0s04g53880. 1, LOC_0s06g50300. 2, LOC_0s04g25610. 1, LOC_0s07g23310. 1, LOC_0s01g50650. 1, LOC_0s08g19170. 1, LOC_0s04g23710. 1, LOC_0s09g01900. 1, LOC_0s05g37300. 1, LOC_0s12g43350. 1, LOC_0s01g11920. 1, LOC_0s05g12030. 1, LOC_0s08g45030. 1, LOC_0s07g11600. 1, LOC_0s08g35380. 1, LOC_0s01g43310. 1, LOC_0s01g13900. 1, LOC_0s11g34420. 1, LOC_0s09g23800. 1, LOC_0s01g24620. 1, LOC_0s09g36950. 1, LOC_0s04g55830. 1, LOC_0s01g21090. 1, LOC_0s03g13910. 1, LOC_0s01g27800. 1, LOC_0s03g44400. 1, LOC_0s09g29340. 1, LOC_0s02g37700. 1, LOC_0s02g17420. 1, LOC_0s08g22830. 1, LOC_0s02g26100. 1, LOC_0s07g09420. 1, LOC_0s06g09640. 1, LOC_0s12g19394. 1, LOC_0s04g32720. 1, LOC_0s03g58820. 1, LOC_0s06g15920. 1, LOC_0s08g01930. 1, LOC_0s04g50100. 1, LOC_0s05g47810. 1, LOC_0s05g45790. 1, LOC_0s03g27150. 1, LOC_0s07g28540. 1, LOC_0s08g21230. 1, LOC_0s06g30520. 1, LOC_0s06g50300. 1, LOC_0s04g43040. 2, LOC_0s04g55870. 1, LOC_0s10g08500. 1, LOC_0s01g54680. 1, LOC_0s05g01410. 1, LOC_0s02g39120. 1, LOC_0s03g57530. 1, LOC_0s01g02610. 1, LOC_0s01g01930. 1, LOC_0s08g39170. 1, LOC_0s08g18090. 1, LOC_0s04g20054. 1, LOC_0s05g21160. 1, LOC_0s12g19394. 5, LOC_0s03g47590. 1, LOC_0s12g15690. 1, LOC_0s12g19394. 3, LOC_0s01g73070. 1, LOC_0s01g70970. 1, LOC_0s06g49260. 1, LOC_0s05g30550. 1, LOC_0s07g33250. 1, LOC_0s08g07410. 1, LOC_0s04g21260. 1, LOC_0s06g15520. 1, LOC_0s10g08650. 1, LOC_0s09g25530. 1, LOC_0s01g45510. 1, LOC_0s04g23880. 1, LOC_0s08g24860. 1, LOC_0s02g02900. 1, LOC_0s12g18670. 1, LOC_0s08g09490. 1, LOC_0s05g23190. 1, LOC_0s11g42130. 1, LOC_0s05g04030. 1, LOC_0s01g49970. 1, LOC_0s12g17600. 1, LOC_0s01g17450. 1, LOC_0s11g47200. 1, LOC_0s12g37000. 1, LOC_0s08g13020. 1, LOC_0s01g64910. 1, LOC_0s10g08910. 1, LOC_0s11g34520. 1, LOC_0s03g12680. 1, LOC_0s03g03410. 1, LOC_0s10g18010. 1, LOC_0s04g31850. 1, LOC_0s02g403

80. 1, LOC_Os02g38120. 1, LOC_Os10g18350. 1, LOC_Os02g26930. 1, LOC_Os10g38920. 1, LOC_Os01g61650. 1, LOC_Os01g37930. 1, 53

58998 1522 chr09|11979:15636773-15636909:-1

GGACCTCAGCGCCAAGTTATTTGGTGCTAAGCTATGATGACTCAGCGAACTCACGCCACCT
CGGATTAGAGCTTAGCGCCAACGACGTTGGCGCTGAAACGTTATAGCTTAGCGCCAAAGTCAATGGCGC
TGAGTCC AGCGCCAAAGTCAATGGCGC 0.628144 0 repeat_sense, igr_sense,
LOC_Os08g32800. 1, LOC_Os08g10150. 1, LOC_Os03g63990. 1, LOC_Os08g05360. 1, LOC_Os11g31410. 1, LOC_Os11g31760. 1, LOC_Os11g44890. 1, LOC_Os01g10430. 1, LOC_Os05g07310. 1, LOC_Os07g35930. 1, LOC_Os05g25390. 1, LOC_Os01g10430. 2, LOC_Os10g34230. 1, 41

59163 31678 chr09|11979:17096305-17096443:-1

TAGGTCCAGCAGTGAATGGAGGCGCGACGCGTCAACGATGATCGTGAGACCATCGAGCTT
GAGCTTGACAGCACTGGCGCTTGTGGAAGGGAACGACAGGGCAAAGCGCGCGTGCCTCTATCTGCATTG
CTGGAGTTG GTGCCTCTATCTGCATTGCTG 0.327619 0 igr_sense,
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59262 314 chr09|11979:17954891-17954965:-1

GAAATTGTTTGGCTAAGCTCTAGCTCCAGAAAAGGTAAAAGTGGCGTTGGAGCTGGAAGTT
TGCCAAACAGACTC TGGAGCTGGAAGTTTGCCAAACAG 1.03781 1

repeat_sense, igr_sense,
LOC_Os08g25380. 1, LOC_Os12g37760. 1, LOC_Os04g52880. 1, LOC_Os08g45010. 1, LOC_Os04g02730. 1, LOC_Os04g42670. 1, LOC_Os02g06350. 1, LOC_Os07g22120. 1, LOC_Os04g25400. 1, LOC_Os01g33204. 1, LOC_Os11g03720. 1, LOC_Os03g59160. 1, LOC_Os02g18930. 1, LOC_Os12g37210. 1, LOC_Os02g08410. 1, LOC_Os02g50900. 1, LOC_Os03g29970. 1, LOC_Os06g36320. 1, LOC_Os11g16640. 1, LOC_Os10g31910. 1, LOC_Os08g05040. 1, LOC_Os06g29810. 2, LOC_Os06g29810. 1, LOC_Os12g13640. 1, LOC_Os10g08990. 1, 432

59263 314 chr09|11979:17954891-17954965:-1

GAAATTGTTTGGCTAAGCTCTAGCTCCAGAAAAGGTAAAAGTGGCGTTGGAGCTGGAAGTT
TGCCAAACAGACTC TGGAGCTGGAAGTTTGCCAA 0.678867 1

repeat_sense, igr_sense,
LOC_Os12g37760. 1, LOC_Os04g52880. 1, LOC_Os08g45010. 1, LOC_Os02g06350. 1, LOC_Os07g22120. 1, LOC_Os04g25400. 1, LOC_Os01g33204. 1, LOC_Os11g03720. 1, LOC_Os10g05300. 1, LOC_Os02g18930. 1, LOC_Os12g37210. 1, LOC_Os02g08410. 1, LOC_Os11g16640. 1, LOC_Os10g31910. 1, LOC_Os08g05040. 1, LOC_Os10g08990. 1, 289

59304 614 chr09|11979:18518523-18518589:-1

GCAGTACTGCTCACTTACATGTGAGCCCCAGAGGCTATGGGGTTCACATGTCAGTGAGCAA
TATTGC GGGTTCACATGTCAGTGAGCA 0.680417 1 igr_sense,
LOC_Os05g23600. 2, LOC_Os10g10149. 1, LOC_Os10g35500. 1, LOC_Os07g43020. 1, LOC_Os01g03549. 1, LOC_Os01g54490. 1, LOC_Os01g29488. 1, LOC_Os05g23600. 1, LOC_Os06g40850. 1, LOC_Os12g10750. 1, LOC_Os03g37984. 2, LOC_Os09g03800. 1, LOC_Os03g37984. 4, 107

59307 614 chr09|11979:18529982-18530048:-1
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TATTGC GGGTTCACATGTCAGTGAGCA 0.680417 1 igr_sense,
LOC_0s05g23600.2, LOC_0s10g10149.1, LOC_0s10g35500.1, LOC_0s07g43020.1, L
OC_0s01g03549.1, LOC_0s01g54490.1, LOC_0s01g29488.1, LOC_0s05g23600.1, L
C_0s06g40850.1, LOC_0s12g10750.1, LOC_0s03g37984.2, LOC_0s09g03800.1, LOC
_0s03g37984.4, 107

59383 126 chr09|11979:19070641-19070770:-1
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C_0s01g02220.1, LOC_0s04g42090.1, LOC_0s06g04920.1, LOC_0s07g23354.1, LOC
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0s08g23829.1, LOC_0s04g13630.1, LOC_0s08g27180.1, LOC_0s04g42090.4, 5895

59392 126 chr09|11979:19096630-19096761:-1
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AT AGTCCCGTTGGTAACACCAACCGAGA 0.304439 1
repeat_sense, igr_sense,
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59556 31854 chr09|11979:20820475-20820569:-1
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1 igr_sense,
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C_0s12g17620.1, LOC_0s01g21210.1, 4

59648 31901 chr09|11979:21952461-21952598:-1
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TGTATTCT ATAGCCGAACAGGCCCTTTG 0.524665 1
repeat_sense, igr_sense,
LOC_0s09g07080.1, LOC_0s08g05210.1, LOC_0s08g22260.1, LOC_0s10g39800.1, L
OC_0s11g18450.1, LOC_0s05g20270.1, LOC_0s10g02560.1, LOC_0s05g14100.1, L
C_0s04g39489.2, LOC_0s06g22220.1, LOC_0s04g39489.1, 5

59649 10210 chr09|11979:21953550-21953641:-1
GAGGTGTTCTCAACGGCGGACGCGGCGCGGACTTTTTCAATGGACGCTCCGACATCAGTCG
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0.274754 1 igr_sense,

C_0s07g45350. 3, LOC_0s04g22060. 1, LOC_0s01g07760. 2, LOC_0s12g08110. 1,
169
59931 750 chr10|11980:1264295-1264383:-1
GACCAGCCCAAAGGGCGGTCTGACCGGGCGCATGCCGCCGTCTGACCGGGTGCATGTCAC
CGGTCTGACCGGTGATGGCCGGTGGTC ACCGGTCTGACCGGTGATGG 0.0745113 1
repeat_sense, intron_sense,
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60004 72 chr10|11980:1908467-1908611:-1
AGATGAGATCATCTGTGACGGGCTTTAGCTTAGGCCCCGATTGAGGTCAGCAGTCATCTGTG
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AGATGAGAATCATCTTTAGGCCCCGATTGAGATGAG 0.0853557 0
repeat_sense, intron_sense,
LOC_0s03g57830. 1, LOC_0s09g17480. 1, LOC_0s12g30110. 1, LOC_0s04g25720. 1, L
OC_0s01g39399. 1, LOC_0s11g35540. 1, 1277
60053 126 chr10|11980:2526141-2526233:-1
GGAGTACCAATCCGGGACTAAAGATCGCTATCTTTAGTCCCGGGTGAAATAACCGGGAGTA
AAGATTGATCTTTAGTCCCGGTTGGTGTACC TGATCTTTAGTCCCGGTTGG 0.504481
1 intron_antisense, repeat_sense,
LOC_0s11g35750. 1, LOC_0s10g08660. 1, LOC_0s02g50650. 1, LOC_0s08g02990. 1, L

OC_0s09g17360.1, LOC_0s12g17280.1, LOC_0s04g06630.1, LOC_0s05g44050.1, LOC_0s11g36280.1, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s01g38580.1, LOC_0s10g01560.1, LOC_0s08g27180.1, 9324

60217 6764 chr10|11980:3948058-3948179:-1

GACATTAGCCATGCATGGTGCCATGCATCGATGTCTCTACTGAGTAACGGGTAGGATTCTG
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CATCGATGCACGGCACCGTGAC 0.57473 1 intron_sense,
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60402 1384 chr10|11980:5571773-5571863:-1

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60562 24 chr10|11980:6704817-6704943:-1
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CACGGGATAATCGATTATCC 0.140806 1 repeat_sense, igr_sense,
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60811 32322 chr10|11980:8757174-8757257:-1
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60825 126 chr10|11980:8810667-8810804:-1
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3725

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OC_Os01g39720.1, LOC_Os07g26410.1, LOC_Os04g02380.1, LOC_Os01g36270.1, L
C_Os02g30670.1, LOC_Os06g19250.1, 115

61586 126 chr10|11980:15927082-15927165:-1
ATCTTTAGTACCGGTTGGTGTACCAACCGGGACTAAAGATCTATTTGTAGTCCCGGTTGA
TAACACCAACCGGAAAAAAGAT CCGGTTGATAACACCAACCGG 0.309337 1
repeat_sense, igr_sense,
LOC_Os06g22430.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, L
OC_Os05g18294.4, LOC_Os05g30000.1, LOC_Os08g23829.1, 4016

61621 2230 chr10|11980:16169859-16169934:-1
GGCTTGATCGAGCTCGAGCCGAGCCTGTGCGAAAGCTCGAACATTTTATAGGCTTGCTCG
AGCTCGGCTCGAGCTATAGGCTTGGCTCGAGCTCG 0.836223 1
repeat_sense, igr_sense,
LOC_Os02g39570.1, LOC_Os01g02550.1, LOC_Os02g39570.3, LOC_Os01g58350.1, L
OC_Os07g13160.1, LOC_Os07g10940.1, LOC_Os06g40430.1, LOC_Os02g39570.5, L
C_Os02g39570.2, LOC_Os10g18700.1, LOC_Os07g34290.1, LOC_Os10g29800.1, L
C_Os01g02370.1, LOC_Os02g39570.4, 121

61908 314 chr10|11980:18638140-18638206:-1
CTGTTGGGCTGAGCTCCAGCTCCAGAAAGAGTGGAGCTAGAACTGGAGCTAGAGCTGTGCC
AAACAG AACTGGAGCTAGAGCTGTGCC 0.186356 1 repeat_sense, igr_sense,
LOC_Os09g17600.3, LOC_Os10g32658.1, LOC_Os03g08440.1, LOC_Os04g52880.1, L
OC_Os02g06350.1, LOC_Os12g12450.1, LOC_Os04g25400.1, LOC_Os07g15390.1, L
C_Os07g29890.1, LOC_Os01g33204.1, LOC_Os09g17600.1, LOC_Os10g05300.1, L
C_Os11g28270.2, LOC_Os02g18930.1, LOC_Os02g35860.1, LOC_Os07g18430.1, L
C_Os02g51920.1, LOC_Os11g16640.1, LOC_Os08g05040.1, LOC_Os07g25320.1, L
C_Os12g13640.1, LOC_Os09g17600.2, LOC_Os10g08990.1, LOC_Os05g03640.1, L
C_Os01g48480.1, 224

61937 796 chr10|11980:19041486-19041609:-1
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GATGGTTATACCTGATACATGTTAGGTATAAGGCGATACTTGCGAGGTATCAGGTGATACCTG
GATACTTGCGAGGTATCAGGT 0.745039 1
intron_antisense, repeat_sense,
LOC_Os02g18760.1, LOC_Os05g09720.1, LOC_Os04g38990.1, LOC_Os10g36229.1, L
OC_Os09g31442.1, LOC_Os05g39550.1, LOC_Os01g58980.1, LOC_Os07g36510.1, L
C_Os01g49750.1, LOC_Os03g44910.1, LOC_Os03g41770.1, LOC_Os05g16210.1, L
C_Os08g36830.1, LOC_Os08g37360.1, LOC_Os02g50410.1, LOC_Os11g09050.1, L
C_Os12g22470.1, LOC_Os01g14270.1, LOC_Os08g33030.1, LOC_Os05g35510.1, L
C_Os06g13150.1, 353

61987 32830 chr10|11980:19509155-19509253:-1
GTGATCTCGTCGTGGTCGCTGGTCTTGACTTGATCTCGTCGTGGAGCTTGGATTGGA

TGGATGGGTTCTTGACCAGCTCGGCCATGATCCATTGCTTGACCAGCTCGGCCATGAT 0.30228
 1 cds_antisense, exon_antisense,
 LOC_Os05g31410.1, LOC_Os06g42610.1, LOC_Os10g37160.1, LOC_Os08g36500.1, L
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 62054 2014 chr10|11980:20164935-20165036:-1
 AACTCTAGGGTTAAGCGTGCTTGGCCTGGAGGGTTAAGCTTCTTTCCGGAAGCCGATCTC
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 0.705804 1 repeat_sense, igr_sense,
 LOC_Os04g01400.1, LOC_Os01g19460.1, LOC_Os08g36120.1, LOC_Os12g04030.1, L
 OC_Os02g45840.1, LOC_Os06g34920.1, LOC_Os10g15360.1, 488
 62063 2260 chr10|11980:20187813-20187928:-1
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 26670.1, LOC_Os02g40580.1, LOC_Os04g09350.2, LOC_Os11g21980.1, LOC_Os06g2
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62351 126 chr11|11981:579328-579415:-1

TGAGCTTTAATCCCGGTTGGTAACACCAACCGGAGTAAAGATAGATCTTTAATCCCGGTT
GATGATACCAACCGGAGTAAATATCA TCCCGGTTGATGATACCAACCGGA 0.736893 1

repeat_sense, intron_sense,

LOC_Os01g52130. 1, LOC_Os08g45200. 1, LOC_Os10g21200. 1, LOC_Os08g35420. 1, LOC_Os09g17360. 1, LOC_Os02g08060. 1, LOC_Os01g16220. 1, LOC_Os12g13480. 1, LOC_Os12g17280. 1, LOC_Os04g06630. 1, LOC_Os09g30280. 1, LOC_Os04g16770. 1, LOC_Os04g56910. 1, LOC_Os05g39470. 1, LOC_Os05g18294. 4, LOC_Os09g07900. 1, LOC_Os07g39630. 1, LOC_Os08g23829. 1, 3438

62477 33030 chr11|11981:2819168-2819272:-1

CCCTTGCACTGCTAGTGTGCTACTGCTAGTGTGCTTACACTACTGCTACTACTAGCTG
TAGCTGCTGAGGCTGGCAATGGCAGATTGGCAGTGCAGGAAGGG GCTGGCAATGGCAGATTGGCAGT
0.228065 1 intron_antisense,

LOC_Os06g20870.1, LOC_Os05g25910.1, LOC_Os07g05570.1, LOC_Os03g58910.1, LOC_Os02g12400.1, LOC_Os10g02260.1, LOC_Os01g27600.1, LOC_Os01g28690.2, LOC_Os03g59570.1, LOC_Os08g33160.2, LOC_Os01g26270.1, LOC_Os07g05570.2, LOC_Os03g58910.2, LOC_Os03g37954.1, LOC_Os10g40050.1, LOC_Os06g14870.1, LOC_Os10g02260.2, 46

62482 126 chr11|11981:2893945-2894027:-1

ATCTTTAGTCCCGGTTGTTGTTACCAACCGGGACTAAAAATCATCTTTAGTCCCGGTTGGT
AACTCCAACCGGGACAAAAGAT AGTCCCGGTTGGTAACTCCAACCGGGAC 0.229573 1

repeat_sense, igr_sense,

LOC_Os04g19260.1, LOC_Os03g43840.1, LOC_Os02g50650.1, LOC_Os09g22360.1, LOC_Os04g05350.1, LOC_Os03g19760.2, LOC_Os04g05210.1, LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os04g06630.1, LOC_Os05g18294.4, LOC_Os08g27320.1, LOC_Os09g08870.1, LOC_Os07g23354.1, LOC_Os08g08310.1, LOC_Os08g13430.1, LOC_Os03g05040.1, LOC_Os03g19760.1, LOC_Os08g23829.1, LOC_Os05g04420.1, LOC_Os04g13630.1, 4676

62631 796 chr11|11981:4806904-4806982:-1

AGAATCGTATGATACCTTACAGGTATCACCTAATAACTAGCTGGTATCGGATGATACCTAC
CAGGTATCATGCGATTCT TGATACCTACCAGGTATCAT 0.0375266 1

exon_sense, repeat_sense, cds_sense,

LOC_Os05g09720.1, LOC_Os01g58980.1, LOC_Os07g36510.1, LOC_Os01g49750.1, LOC_Os03g44910.1, LOC_Os05g16210.1, LOC_Os08g37360.1, LOC_Os02g50410.1, LOC_Os11g09050.1, LOC_Os12g22470.1, LOC_Os03g14390.1, LOC_Os03g64320.1, LOC_Os08g34920.1, LOC_Os04g33230.1, 401

62711 33089 chr11|11981:5764991-5765135:-1

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CCATGTAGGCACCACAGGTCAACACCGCCATGTAG 1.00285 1

repeat_sense, intron_sense,

LOC_Os07g39310.1, LOC_Os01g19610.1, LOC_Os04g42250.3, LOC_Os03g12520.1, LOC_Os12g12260.1, LOC_Os04g42250.2, LOC_Os04g42250.1, LOC_Os12g12260.2, 117

62747 614 chr11|11981:6131410-6131492:-1

TCTGACTTTGAGTCACTGACATGTGGGGCCACTGACTTTGAGTCACCGAGTAGAGGGCCCA
CATGTCAGTGATAAAAGTTAGA AGAGGGCCCATGTGTCAGTGAT 0.547872 1

igr_sense,

LOC_Os11g01600.2, LOC_Os01g66950.1, LOC_Os04g24020.1, LOC_Os09g02470.1, LOC_Os01g68320.4, LOC_Os05g28980.1, LOC_Os05g38870.1, LOC_Os05g34720.1, LOC_Os12g19030.1, LOC_Os07g41460.1, LOC_Os09g23150.1, LOC_Os01g28620.1, LOC_Os01g53779.1, LOC_Os04g39160.1, LOC_Os07g43020.1, LOC_Os01g68320.2, LOC_Os09g25730.1, LOC_Os11g01600.1, LOC_Os01g68320.1, LOC_Os01g14100.2, LOC_Os06g23274.1, LOC_Os01g68320.5, LOC_Os11g08420.1, LOC_Os03g08080.1, LOC_Os01g54490.1, LOC_Os03g09830.1, LOC_Os01g53779.2, LOC_Os01g03030.1, LOC_Os05g36080.1, LOC_Os05g04070.1, LOC_Os02g52450.1, LOC_Os02g12900.1, LOC_Os05g30390.1, LOC_Os11g38170.1, LOC_Os08g35210.1, LOC_Os05g42070.1, LOC_Os06g

39840. 1, LOC_0s07g31440. 4, LOC_0s03g37984. 2, LOC_0s01g68320. 3, LOC_0s02g10930. 1, LOC_0s03g37984. 4, LOC_0s03g09830. 2, LOC_0s02g12900. 2, LOC_0s06g48940. 1, 811

62769 33100 chr11|11981:6399901-6399979:-1

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TCTAGCTGTTGTTGTCTGA GCCGCCATTCTAGCTGTTGTT 0.527356 1

igr_sense,

LOC_0s01g33110. 1, LOC_0s02g13320. 1, LOC_0s08g19440. 1, LOC_0s06g13910. 1, LOC_0s01g67410. 1, LOC_0s04g21400. 1, LOC_0s01g68700. 1, LOC_0s03g13560. 1, LOC_0s12g16840. 1, LOC_0s03g25850. 1, 9

62795 126 chr11|11981:6906524-6906659:-1

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TATTTGATCTTTAGTCCCGGTTTGTGTTACCAACCGGGACTAAAGATCATCTTTAGTCCCGTTCTGAAT
GCTGTC AGATCATCTTTAGTCCCGGTTCTGA 0.00453615 1

repeat_sense, intron_sense,

LOC_0s06g08140. 1, LOC_0s11g35750. 1, LOC_0s06g04970. 1, LOC_0s12g25830. 1, LOC_0s10g08660. 1, LOC_0s03g12350. 3, LOC_0s02g50650. 1, LOC_0s09g11300. 1, LOC_0s03g12350. 1, LOC_0s03g16070. 1, LOC_0s06g27880. 1, LOC_0s03g39284. 1, LOC_0s09g17360. 1, LOC_0s12g17280. 1, LOC_0s04g50172. 1, LOC_0s05g44050. 1, LOC_0s07g02100. 2, LOC_0s11g36280. 1, LOC_0s06g15730. 1, LOC_0s05g18294. 4, LOC_0s03g12350. 2, LOC_0s08g08310. 1, LOC_0s03g33300. 1, LOC_0s02g55890. 1, LOC_0s01g52590. 1, LOC_0s01g38580. 1, LOC_0s10g01560. 1, 9716

62818 1522 chr11|11981:7141513-7141627:-1

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TCAGCGCCATGCTATTTGGCGCTG 1.08626 1 repeat_sense, igr_sense,

LOC_0s08g41870. 1, LOC_0s01g28720. 1, LOC_0s05g46130. 1, LOC_0s02g28880. 1, LOC_0s04g25430. 1, LOC_0s03g26329. 1, LOC_0s02g34280. 1, LOC_0s05g08890. 1, LOC_0s03g18060. 1, LOC_0s04g31484. 1, LOC_0s06g34920. 1, LOC_0s07g25500. 1, LOC_0s06g11360. 1, 214

62852 126 chr11|11981:7495460-7495539:-1

TTTTTTTCCCGTTGGTGTTACCAACCGGGACTAAAAATAGATCTTTAGTCCCGTTGGTA
ACATCAACCGGGAGTAAAG AGTCCCGTTGGTAACATCAACCGGGA 0.188409 1

repeat_sense, igr_sense,

LOC_0s04g51440. 2, LOC_0s02g50650. 1, LOC_0s04g59160. 1, LOC_0s08g28860. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, LOC_0s04g06630. 1, LOC_0s09g04830. 1, LOC_0s01g02220. 1, LOC_0s10g28000. 1, LOC_0s04g51440. 1, LOC_0s05g18294. 4, LOC_0s08g13430. 1, 5136

62904 126 chr11|11981:8175902-8176024:-1

GATGCAATAAAACCGGGGCTAAAGATGATCTTTAGTCCCGTTCAAAAGGGTAACGGGCAT
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AGATCATCTTTAGTCCCGGTTCTGA 0.774868 1

repeat_sense, intron_sense,

LOC_0s06g08140. 1, LOC_0s11g35750. 1, LOC_0s06g04970. 1, LOC_0s12g25830. 1, L

OC_0s10g08660. 1, LOC_0s03g12350. 3, LOC_0s02g50650. 1, LOC_0s09g11300. 1, LOC_0s03g12350. 1, LOC_0s03g16070. 1, LOC_0s06g27880. 1, LOC_0s03g39284. 1, LOC_0s09g17360. 1, LOC_0s12g17280. 1, LOC_0s04g50172. 1, LOC_0s05g44050. 1, LOC_0s07g02100. 2, LOC_0s11g36280. 1, LOC_0s06g15730. 1, LOC_0s05g18294. 4, LOC_0s03g12350. 2, LOC_0s08g08310. 1, LOC_0s03g33300. 1, LOC_0s02g55890. 1, LOC_0s01g38580. 1, LOC_0s01g52590. 1, LOC_0s10g01560. 1, 9716
 62937 33157 chr11|11981:8741024-8741119:-1
 GCCAACGACTGTGAAGATCGCCGATCTTCGCAGGCGGGGCGCCGTCCGCCTGTAAGCCAA
 CGACTGTGAAGATCGCCGATCTTCGCAGGCGGGC GAAGATCGCCGATCTTCGCAG 0.126744
 1 repeat_sense, igr_sense,
 LOC_0s06g22420. 1, LOC_0s08g34470. 1, LOC_0s11g39920. 1, LOC_0s08g09430. 1, LOC_0s11g22170. 1, LOC_0s02g14830. 1, LOC_0s04g03740. 1, LOC_0s08g11450. 1, LOC_0s04g11370. 1, LOC_0s03g22990. 1, LOC_0s10g20990. 1, 94
 62969 33168 osa-MIR440 chr11|11981:9142707-9142826:-1
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 AAACCTTATGTATTAGTGTCTCCTGATGATCGGGACAAGGCTAACACCGATGAGAGCGAT
 AGTGTCTCCTGATGATCGGGACAA 1 intron_sense,
 LOC_0s06g21480. 1, LOC_0s04g08560. 1, LOC_0s09g07300. 1, LOC_0s07g43470. 1, LOC_0s06g01320. 1, LOC_0s06g01320. 2, LOC_0s04g21590. 1, 4
 62982 2236 chr11|11981:9383951-9384050:-1
 GAGACGGTGGAGCCAGAGGGGATGGTGCACGAGACGCCGCTTGTCGCCAGGGAGGATGAT
 GTAGCGCTTGCGCCATAGTATAATGGCTTGGCTTGTGTC
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63341 436 chr11|11981:15103210-15103307:-1

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 repeat_sense, igr_sense,
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 GACCGCACGGGATAATCGATTATCC 0.60124 1 repeat_sense, igr_sense,
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 OC_Os05g40160.1, LOC_Os02g38130.1, 760
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 TGATGAGTCATCTCAATCGGGCTTTGCCGTAGAGCCCGTCACAGATGACTCATCGGTGACA
 GGCTCCATACTAATGCCGATTGAGATGACATTCA TAATGCCCGATTGAGATGAC 0.4184 1 repeat_s
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63694 7928 chr11|11981:19982330-19982456:-1
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repeat_sense, intron_sense,
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63725 1384 chr11|11981:20407184-20407294:-1
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63814 126 chr11|11981:21697979-21698051:-1

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63829 33403 chr11|11981:21912253-21912319:-1

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 TCTTTAGTCCCGGATGGTGTACC 0.775046 1
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 GGCACTGATGCAGCATCAGTGCC 0.634887 1 igr_sense,
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 TAGTCCCGGTTGATAACATCAACCGGGAAAAAGATCGCCATACGTTTTACTCCCGGTTGG
 TGTACCAACCGGGACTA TCCCGGTTGGTGTACCAACCG 0.21036 1
 repeat_sense, igr_sense,
 LOC_0s08g45200. 1, LOC_0s11g35500. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s05g18294. 4, LOC_0s01g20950. 1, LOC_0s12g22910. 1, LOC_0s08g23829. 1, 5417
 64186 126 chr11|11981:27022448-27022569:-1
 GATCTTTAGTCCCGATTGGTAACACCAACCGGAACTAAAGATCCCGGGGGACCTGACAA
 GCCCTGACAGCATTTGAACCGGGACTAAAGAGTTGGTGTACCAACCAGGACTAAAGATC
 GGTGTACCAACCAGGACTA 0.194769 1 repeat_sense, igr_sense,
 LOC_0s05g09210. 1, LOC_0s08g45200. 1, LOC_0s01g28080. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s07g13090. 1, LOC_0s03g43080. 1, LOC_0s01g20950. 1, LOC_0s08g23829. 1, LOC_0s04g37420. 1, 3477
 64187 126 chr11|11981:27022528-27022611:-1
 TCTTTAGTCCCTGTTGGTGTACCAACCGGGACTAAAGTTACGATCTTTAGTCCCGATTGG
 TAACACCAACCGGAACTAAAGA TAGTCCCGATTGGTAACACCAACCGG 0.514343
 1 repeat_sense, igr_sense,
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 64201 126 chr11|11981:27139745-27139830:-1
 GATCTTTTTTCCGGTTGGTGTATTAAACCGGGACTATAAATAAATCTTTAGTCTCGGTTG
 GTAACACCAACCGGTACTAAAGATT TCTCGTTGGTAACACCAACCGGT 0.338968 1
 repeat_sense, igr_sense,
 LOC_0s04g51440. 2, LOC_0s04g54120. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, LOC_0s12g13480. 1, LOC_0s08g31649. 1, LOC_0s04g51440. 1, LOC_0s08g13430. 1, LOC_0s08g23829. 1, 5263
 64244 100 chr11|11981:27766792-27766920:-1
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 AAATTTACAATAGAAAAATGGTACTTCATGGTACCTTCTAAAGGACCGTAAAATTGCTCTTTTAAA
 AAAGGACCGTAAAATTGCTC 0.310902 1
 intron_antisense, repeat_sense,
 LOC_0s02g05680. 2, LOC_0s11g46960. 1, LOC_0s02g15040. 1, LOC_0s03g39180. 1, LOC_0s01g66760. 1, LOC_0s11g15450. 1, LOC_0s11g47160. 1, LOC_0s03g27054. 1, LOC_0s07g33800. 1, 244
 64270 614 chr11|11981:28134499-28134562:-1
 GTGACGTGGTGATTGATAGGTGGGCTCGAGAATGGTGGGGTCCACATGTCAGTCACCATGT
 TCC GGGTCCACATGTCAGTCACCA 0.390534 1 igr_sense,
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LOC_0s04g39160.1, LOC_0s07g43020.1, LOC_0s05g02230.1, LOC_0s01g03549.1, LOC_0s01g14100.2, LOC_0s02g55480.1, LOC_0s06g02540.1, LOC_0s01g54490.1, LOC_0s04g18010.2, LOC_0s05g30390.1, LOC_0s11g38170.1, LOC_0s06g39840.1, LOC_0s05g42070.1, LOC_0s07g31440.4, LOC_0s07g03030.1, LOC_0s02g55480.2, LOC_0s04g46220.1, 177

64313 2258 chr12|11982:229607-229708:-1

CGTCATCCGGTCAAACGTCCGATGTGACGCCCAAAAAATTTCTTGTTTAGTTGCAAAAAG
CAAATTTTGTGTCACATTGAACGTTTGACCAGATATCG GGTGTCACATTGAACGTTTGA

0.240967 1 repeat_sense, igr_sense,

LOC_0s03g21450.1, LOC_0s01g10030.1, LOC_0s01g32830.1, LOC_0s01g65130.1, LOC_0s01g46130.2, LOC_0s01g46130.3, LOC_0s05g17060.1, LOC_0s04g27820.1, 650

64320 314 chr12|11982:281645-281726:-1

AGAAGCTAGACTGTTTAGGGGAGCTTCTGATTCTGGGAGAAGCTGCAGCAGTTAGAAGCTC
CCCCAAACGGATCTAGGTTCT GTTAGAAGCTCCCCAAACGGATC 0.192299 1

repeat_sense, igr_sense,

LOC_0s05g40880.1, LOC_0s08g05650.1, LOC_0s03g41154.1, LOC_0s06g30300.1, LOC_0s09g08170.1, LOC_0s08g25100.1, LOC_0s03g31800.1, LOC_0s01g35160.2, LOC_0s02g11970.1, LOC_0s11g04630.1, LOC_0s08g05650.2, LOC_0s12g10510.1, LOC_0s07g33550.1, LOC_0s02g30920.1, LOC_0s11g34170.1, LOC_0s08g13650.1, LOC_0s04g54730.1, LOC_0s06g38760.1, LOC_0s02g11970.2, LOC_0s04g23689.1, LOC_0s01g35160.1, 177

64321 314 chr12|11982:281647-281724:-1

AAGCTAGACTGTTTAGGGGAGCTTCTGATTCTGGGAGAAGCTGCAGCAGTTAGAAGCTCCC
CCAAACGGATCTAGGTT AGTTAGAAGCTCCCCAAACG 0.313347 1

repeat_sense, igr_sense,

LOC_0s05g40880.1, LOC_0s08g05650.1, LOC_0s03g41154.1, LOC_0s06g30300.1, LOC_0s08g25100.1, LOC_0s03g31800.1, LOC_0s01g35160.2, LOC_0s11g04630.1, LOC_0s08g05650.2, LOC_0s02g30920.1, LOC_0s04g54730.1, LOC_0s04g23689.1, LOC_0s01g35160.1, 197

64385 2046 chr12|11982:1200897-1200960:-1

CCGATCGATCGATCAGCTAGCTGCAGCTTCCAGAAAGAGTAGTTAGCTCGATCGATCGATC
CGG AGTAGTTAGCTCGATCGATCGATC 0.434065 0 utr_sense, exon_sense,

LOC_0s11g02424.2, LOC_0s01g04160.1, LOC_0s06g27830.1, LOC_0s04g59370.1, LOC_0s03g10810.2, LOC_0s12g03899.1, LOC_0s05g48700.1, LOC_0s06g08140.1, LOC_0s10g40710.1, LOC_0s03g13140.2, LOC_0s05g04440.1, LOC_0s02g08440.3, LOC_0s07g42250.1, LOC_0s11g06820.1, LOC_0s01g11650.1, LOC_0s04g32740.1, LOC_0s01g57410.2, LOC_0s10g25230.1, LOC_0s07g47210.1, LOC_0s06g50040.1, LOC_0s12g10220.1, LOC_0s10g05790.1, LOC_0s01g06590.2, LOC_0s12g39330.1, LOC_0s08g01140.1, LOC_0s03g44000.1, LOC_0s01g19420.1, LOC_0s12g02320.1, LOC_0s06g38990.1, LOC_0s03g58140.1, LOC_0s04g56210.1, LOC_0s05g36310.1, LOC_0s03g10430.1, LOC_0s06g19070.1, LOC_0s02g08440.4, LOC_0s05g07720.1, LOC_0s02g08440.1, LOC_0s12g03150.1, LOC_0s09g31478.2, LOC_0s11g06890.1, LOC_0s10g32590.1, LOC_0s08g23790.1, LOC_0s11g03440.1, LOC_0s06g04090.1, LOC_0s04g32

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 , LOC_0s01g03900. 1, LOC_0s03g07170. 1, LOC_0s02g10530. 1, LOC_0s02g08440. 2,
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 C_0s01g57410. 1, LOC_0s08g29760. 1, LOC_0s05g36070. 2, LOC_0s10g37710. 1, LOC
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 64474 126 chr12|11982:2329823-2329902:-1
 CTTTACTCCTGGTTGGTGTACCAACCGGGACTAAAGATCTATTTGTAGTCCCGGTTGGTA
 ACACCAACCGGAAAAAAG CCCGGTTGGTAACACCAACCGGGAA 0.111498 1
 repeat_sense, igr_sense,
 LOC_0s06g22430. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, L
 OC_0s12g13480. 1, LOC_0s08g31649. 1, LOC_0s05g50660. 1, LOC_0s08g13430. 1, L
 C_0s08g23829. 1, 5724
 64475 126 chr12|11982:2329912-2329995:-1
 ATCTTTAGTACCGTTGGTGTACCAACCGGGACTAAAGATCTATTTGTAGTCCCGGTTGA
 TAACATTAACCGGAAAAAAGAT CCGGTTGATAACATTAACCGG 0.254984 1
 repeat_sense, igr_sense,
 LOC_0s12g17280. 1, LOC_0s05g18294. 4, LOC_0s05g30000. 1, 458
 64476 126 chr12|11982:2331060-2331139:-1
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 AAACCAACCGGGAGTAAAG TAGTCCCGGTTGGTAAACCAACCGG 0.414708 1
 repeat_sense, igr_sense,
 LOC_0s08g29210. 1, LOC_0s02g50650. 1, LOC_0s11g18366. 3, LOC_0s09g17360. 1, L
 OC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s08g31649. 1, LOC_0s01g02220. 1, L
 C_0s05g18294. 4, LOC_0s07g23354. 1, LOC_0s08g08310. 1, LOC_0s08g13430. 1, LOC
 _0s05g16640. 1, LOC_0s12g22910. 1, LOC_0s03g26630. 2, LOC_0s08g23829. 1, LOC_
 0s04g13630. 1, LOC_0s08g27180. 1, LOC_0s03g26630. 1, 5430
 64477 126 chr12|11982:2331101-2331232:-1
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 TAACATCAACCGGAAAAAAGATCGCCATATGTTTACTCCCGGTTGGTAACACTAACCGGGACTAAAG
 AT TCCCGGTTGGTAACACTAACCGG 0.58204 1 repeat_sense, igr_sense,
 LOC_0s08g44760. 1, LOC_0s08g44760. 2, LOC_0s02g50650. 1, LOC_0s09g17360. 1, L
 OC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s08g44760. 3, LOC_0s05g18294. 4, L
 C_0s08g13430. 1, LOC_0s08g23829. 1, LOC_0s10g22570. 1, 4038
 64578 14 chr12|11982:3225170-3225290:-1
 GGAAAATCGCAAGACGAATCTTTTGGCCTAATTAGTCCATGATTAGTTATAAGTGCTACA
 GTAACCCGTATGTGCTAATGACGGATTAATTAGGCTCAAGAGATTCATCTCGCGGTTTCC
 CTCAAGAGATTCATCTCGCG 0.375533 1 repeat_sense, igr_sense,

LOC_0s11g34230. 3, LOC_0s07g04160. 2, LOC_0s03g37960. 1, LOC_0s11g34230. 4, LOC_0s11g42420. 1, LOC_0s11g09710. 1, LOC_0s07g04160. 1, LOC_0s06g47920. 1, LOC_0s07g48680. 1, LOC_0s01g25300. 1, LOC_0s01g46130. 2, LOC_0s01g46130. 3, LOC_0s05g21120. 1, LOC_0s11g42420. 2, LOC_0s05g42020. 1, 1600
64644 126 chr12|11982:4086151-4086237:-1
GATCTTTAATCCCGGTTGATACTACCAACCGGGAGTAAAGATTACCACTTTAGTTTCGGTT
GGTAGTACTAACCGAGAGTAAAGATC GGTGGTAGTACTAACCGAGAGT 0.319592 1
repeat_sense, igr_sense,
LOC_0s04g51710. 1, LOC_0s01g73080. 2, LOC_0s11g44810. 1, LOC_0s09g17360. 1, LOC_0s04g06630. 1, LOC_0s01g73080. 1, LOC_0s11g44810. 3, LOC_0s01g73080. 3, LOC_0s11g44810. 2, LOC_0s10g39680. 1, LOC_0s08g23829. 1, 184
64662 1522 chr12|11982:4301893-4302001:-1
ACACCTCAGCGCCACGTCAACTGGCGCTGAATGCTGAGCCACCGCGGATGGGAGGCTAAGT
CAGCGTGCCAACGTACATTCAGTGCCACGCTATTTGGCGCTGAGGTGT
CAGTGCCACGCTATTTGGCG 0.10871 0 repeat_sense, igr_sense,
LOC_0s07g07490. 2, LOC_0s07g07490. 1, LOC_0s06g34920. 1, 61
64679 33649 chr12|11982:4498937-4499109:-1
GGAGGCCGACGTCGGGGTGCCGAGGAAGGAGCCGAGACGGCGTAGCCGAGATGAAGCC
GGCGTAGAACCCGGTCTTCTGGACGATCGCCGCCGACAGCGCGTCGTACACCCGGGCATCAGCACCCG
CCCCTCCGACTCGATCTTCCTCGACACACTCGTCGACCGCCCC TCCTCGACACACTCGTCGAC
0.0108492 1 cds_antisense, exon_antisense,
LOC_0s05g50300. 1, LOC_0s05g05990. 1, LOC_0s11g13710. 1, LOC_0s05g04360. 1, LOC_0s04g41250. 1, LOC_0s03g19020. 2, LOC_0s01g02240. 1, LOC_0s12g08760. 1, LOC_0s02g34300. 1, LOC_0s04g40940. 1, LOC_0s05g04480. 1, LOC_0s11g43350. 1, LOC_0s01g14180. 1, LOC_0s03g19020. 1, LOC_0s05g43150. 1, LOC_0s04g30190. 1, LOC_0s04g56150. 1, LOC_0s03g01950. 1, LOC_0s04g38240. 1, LOC_0s04g40940. 2, LOC_0s03g19020. 3, LOC_0s10g29880. 1, 3
64680 126 chr12|11982:4543635-4543716:-1
TTTTTACTCCTGGTTGGTATAAATAACCGGGACTAAAAATAGATCTTTAGTCCCGGTTGTT
TATACCAACCGGGAGCAAAGA TCCCGGTTGTTTATACCAACCGGGA 0.472345 1
repeat_sense, igr_sense,
LOC_0s11g35890. 1, LOC_0s11g36150. 1, LOC_0s01g62910. 1, LOC_0s09g17360. 1, LOC_0s04g06630. 1, LOC_0s12g32670. 1, LOC_0s03g55340. 1, LOC_0s05g39470. 1, LOC_0s05g18294. 4, LOC_0s03g26630. 2, LOC_0s08g23829. 1, LOC_0s03g26630. 1, 1138
64718 100 chr12|11982:5148737-5148865:-1
GAGCAATTTTACGGTCCTTGAGGAGGTACCAATTTTCTATTGTAAATTTGGTACCTCATG
GTACCTCATAATTTACACTAATTTTTTTGGTACCTCATGGTACCTCCTCAAGGACCGTAGAATTGCTC
CCTCCTCAAGGACCGTAGAA 0.812213 1 repeat_sense, igr_sense,
LOC_0s02g49760. 2, LOC_0s08g01620. 1, LOC_0s04g11230. 1, LOC_0s02g15040. 1, LOC_0s02g49760. 3, LOC_0s01g66760. 1, LOC_0s02g22130. 1, LOC_0s11g15450. 1, LOC_0s03g27054. 1, LOC_0s04g57830. 1, LOC_0s07g33800. 1, LOC_0s02g49760. 1, LOC_0s08g01620. 2, 229

64747 5024 chr12|11982:5414030-5414147:-1
TAGGTAGGGGTGTAAGTGGGTCAGCCGCGAACCCACTTATAGGTCAAAATAAGCGGGTTTCG
TGGCTTATTTTAGCTTATAAGTGGGTTTCGCGGGTTAGCCACTTACACGTCTACGTG
GGTTTCGCGGGTTAGCCACTTACAC 0.385298 1repeat_sense, igr_sense,
LOC_Os07g41090.1, LOC_Os11g27240.1, LOC_Os03g27770.1, LOC_Os06g43930.1, L
OC_Os06g43930.2, LOC_Os03g27770.2, LOC_Os08g42930.1, LOC_Os07g41090.3,
109

64748 5024 chr12|11982:5414039-5414138:-1
GTGTAAGTGGGTCAGCCGCGAACCCACTTATAGGTCAAAATAAGCGGGTTTCGTGGCTTATT
TTAGCTTATAAGTGGGTTTCGCGGGTTAGCCACTTACAC TGGGTTTCGCGGGTTAGCCA
0.446487 1 repeat_sense, igr_sense,
LOC_Os11g27240.1, LOC_Os06g43930.1, LOC_Os02g31840.1, LOC_Os06g43930.2, L
OC_Os04g14250.1, 69

64750 120 chr12|11982:5414461-5414531:-1
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TAAGGCCAAC CATGCCAAATTTTGTAAGGCC 0.107133 1
repeat_sense, igr_sense,
LOC_Os08g01090.1, LOC_Os08g12650.1, LOC_Os10g40934.4, LOC_Os05g37970.1, L
OC_Os04g01280.1, LOC_Os01g21440.1, LOC_Os05g43910.1, LOC_Os07g48650.1, L
C_Os02g03070.1, LOC_Os10g40934.2, LOC_Os01g24470.1, LOC_Os01g24470.2, LOC
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33390.1, LOC_Os11g45000.1, LOC_Os03g20420.3, LOC_Os02g02100.1, LOC_Os08g0
1090.2, LOC_Os02g01790.2, LOC_Os02g01790.1, 562

64763 5824 chr12|11982:5489156-5489238:-1
TTTTCGCATGCGGACTTGTTAAGAGGTCCGCTTGTGAAAATTGATTAGAGCACGCGGGCCT
CTTAAGTAGCCGTATGCGAAAA GGCCTCTTAAGTAGCCGTAT 0.289384 1
repeat_sense, igr_sense, LOC_Os05g06300.1, LOC_Os02g29090.1,
104

64779 614 chr12|11982:5755229-5755343:-1
ATTCCCAAATGCCACCCGGGCCACATGTCAGCCTCACTCTCCATTCAAACAAAAGTGATG
CGGGACCCGATAATGAGTAAGGCTGACATGTGGGCCCGAGTGGTATTTGAGAAT
GCTGACATGTGGGCCCGAGTGGT 0.447142 1 igr_sense,
LOC_Os04g35570.1, LOC_Os04g35570.3, LOC_Os06g44500.1, LOC_Os12g26170.1, L
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C_Os02g39764.1, LOC_Os07g43020.1, LOC_Os06g27960.1, LOC_Os03g54840.1, LOC
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_Os03g45570.1, LOC_Os04g20210.2, 558

64780 614 chr12|11982:5755234-5755338:-1
CAAATGCCACCCGGGCCACATGTCAGCCTCACTCTCCATTCAAACAAAAGTGATGCGGGA
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0.323422 1 igr_sense,
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13050.1, LOC_Os01g23000.1, 697

64808 126 chr12|11982:6104806-6104894:-1
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GTCCCGGTTGGACAACCGGGACTAAGGG TAGTCCCGGTTGGACAACCGGGA 1.16223 1
repeat_sense, intron_sense,
LOC_Os05g09210.1, LOC_Os01g28080.1, LOC_Os09g16060.1, LOC_Os09g03939.2, L
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C_Os09g03939.1, LOC_Os12g06960.1, LOC_Os06g32290.1, LOC_Os11g06630.1, LOC
_Os08g36188.1, LOC_Os07g43570.1, LOC_Os10g01560.1, 1095

64843 5824 chr12|11982:6513627-6513784:-1
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AAAAATAAGGTCATTTTTTGCATGCGGCTCACTTAAGCGCCCGCATGGAAAAATCGATTTTTCCATAC
GAGCCACTTAAGCAGCCGTATGCGAAAA GCCACTTAAGCAGCCGTATG 0.721304 1
repeat_sense, igr_sense,
LOC_Os10g04580.1, LOC_Os05g06300.1, LOC_Os10g04580.2, LOC_Os04g52330.1,
89

64846 126 chr12|11982:6526340-6526413:-1
ATCTTTACTCCCGTTGATACTACCAACTGGTACAATTTTGACTCGGTTGGTAGTACCAAC
CGGAAGTAAAGAT CGGTTGGTAGTACCAACCGG 0.247531 1
repeat_sense, igr_sense,
LOC_Os03g52990.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, L
OC_Os08g13430.1, LOC_Os08g23829.1, 4439

64855 126 chr12|11982:6626478-6626609:-1
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OC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os05g30000.1, LOC_Os08g13430.1, L
C_Os08g23829.1, LOC_Os10g09920.1, LOC_Os02g17180.1, 4628

64870 750 chr12|11982:6786723-6786832:-1
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intron_antisense, repeat_sense,
LOC_Os06g05350.1, LOC_Os06g28310.1, LOC_Os02g48990.1, LOC_Os08g17040.1, L
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64910 24 chr12|11982:7048454-7048539:-1
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210

64959 126 chr12|11982:7563667-7563834:-1
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C_Os08g26860.1, LOC_Os11g14740.1, LOC_Os01g04150.1, LOC_Os05g18294.4, LOC
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12371

64979 126 chr12|11982:7783689-7783774:-1
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65063 436 chr12|11982:8722661-8722764:-1
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0.389688 1 repeat_sense, igr_sense,
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205

65112 126 chr12|11982:9249437-9249525:-1
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C_Os02g08060.1, LOC_Os04g06630.1, LOC_Os11g43700.1, LOC_Os01g02220.1, LOC
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Os08g23829.1, 5707

65162 126 chr12|11982:9822708-9822794:-1
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4780

65223 126 chr12|11982:10361788-10361868:-1
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65244 750 chr12|11982:10502329-10502419:-1
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65896 126 chr12|11982:18184898-18184982:-1

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65903 126 chr12|11982:18226038-18226124:-1

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repeat_sense, igr_sense,

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65937 4726 chr12|11982:18631584-18631680:-1

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1 igr_sense, LOC_0s09g03590.1, 6

65946 314 chr12|11982:18681517-18681585:-1

GAAACTGTTTGGCTGAGCTCTAGCTCCACGAGAGGTGGAGTTGGAGCTGGAGCTGTGCCAA
ACGGGCTC TGGAGCTGGAGCTGTGCCAAACGG 0.440203 1

repeat_sense, igr_sense,
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65976 33998 chr12|11982:19014539-19014610:-1

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 66129 126 chr12|11982:20734921-20735005:-1
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 66147 126 chr12|11982:20947175-20947255:-1
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OC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s08g13430.1, LOC_0s03g19760.1, LOC_0s08g23829.1, 3544
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 66243 126 chr12|11982:22050716-22050830:-1
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 GGATGAACCAGGAGTAAAGATGATTTTTAGTCCCGTTGGTGTACCAACCGGG
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 LOC_0s08g38640.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s12g17280.1, LOC_0s07g34410.1, LOC_0s05g18294.4, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s12g22910.1, LOC_0s05g36940.1, LOC_0s08g23829.1, LOC_0s06g43540.1, LOC_0s01g38580.1, LOC_0s08g27180.1, 6233
 66273 436 chr12|11982:22322076-22322165:-1
 GTCATCTGTGATGGGCCCACTTAAGGCCGTTTGAGATATGGAATGTTATCTCAATCGG
 GTATAAAGTTGGTGCCCGTCACAGATGAT AAGTTGGTGCCCGTCACAGATGA 0.584584 1
 repeat_sense, igr_sense,
 LOC_0s03g06060.1, LOC_0s01g48610.1, LOC_0s04g37860.1, LOC_0s07g30540.1, LOC_0s04g43490.1, LOC_0s01g02550.1, LOC_0s03g06050.1, LOC_0s01g63750.1, LOC_0s12g11510.1, LOC_0s04g49080.1, LOC_0s01g66110.2, LOC_0s11g47060.1, LOC_0s06g36430.1, LOC_0s06g23620.1, LOC_0s04g25720.1, LOC_0s12g37590.1, LOC_0s11g20580.1, LOC_0s08g26080.1, LOC_0s04g13590.1, LOC_0s08g32820.1, LOC_0s01g69904.1, LOC_0s01g02370.1, LOC_0s01g02590.1, LOC_0s04g14250.1, LOC_0s01g13280.1, LOC_0s01g66110.1, LOC_0s06g50400.1, LOC_0s04g19830.1, 898
 66427 100 chr12|11982:24249780-24249902:-1
 TCGAGGTACCAGTACCTCACGGTACCAAGTCGTTTCTGATCGTTGGATCTAAAAATGCCCA
 TTCTATCCAGCTAGATTCAATGATCGGAAATAATTTAGTACCGTGAGGTACCGGTACCTCGA
 AGTACCGTGAGGTACCGGTACC 0.49637 1 repeat_sense, igr_sense,
 LOC_0s04g59030.1, LOC_0s10g38540.1, LOC_0s09g32100.1, LOC_0s01g02550.1, LOC_0s10g38664.1, LOC_0s08g41720.1, LOC_0s06g03080.1, LOC_0s06g34960.1, LOC_0s02g42110.1, LOC_0s09g31510.1, LOC_0s04g11780.1, LOC_0s06g13190.1, LOC_0s01g45624.1, LOC_0s01g07260.1, LOC_0s07g09880.1, LOC_0s02g16250.1, 361
 66429 100 chr12|11982:24270603-24270701:-1
 TACTCTACAGTACCGAATCGTTTCCGATCGTTGGATCTAGCTGGGTAGGATGGGTATTATT
 AGATCCAACGATTAGAAACGATTTGGTACCGTGCAGTAGAAACGATTTGGTACCGTGC 0.385546
 1 repeat_sense, igr_sense, LOC_0s10g38540.1, LOC_0s06g13190.1, 166
 66476 48 chr12|11982:24740778-24740887:-1
 TACTACCTCCATTTCAGGTTATAAGACTTTCTAGTGTGCTCACATTCATATATATGTAA

TAAATTCATTAACATATAGAAAGTCTTATAACCTGAAACGGGGGAAGTA

GTCTTATAACCTGAAACGGGGG 0.28309 1

intron_antisense, repeat_sense,

LOC_Os11g02660.2, LOC_Os03g57940.2, LOC_Os12g18960.2, LOC_Os12g02520.1, LOC_Os10g33700.2, LOC_Os12g37480.1, LOC_Os03g31210.1, LOC_Os07g32020.1, LOC_Os09g15639.1, LOC_Os01g02290.1, LOC_Os05g10310.1, LOC_Os01g28450.1, LOC_Os09g13440.2, LOC_Os07g37680.1, LOC_Os07g09150.1, LOC_Os04g40740.1, LOC_Os02g09569.1, LOC_Os11g02660.3, LOC_Os01g47680.1, LOC_Os03g06400.2, LOC_Os09g13840.1, LOC_Os03g14730.1, LOC_Os08g39240.2, LOC_Os10g39970.1, LOC_Os03g57940.1, LOC_Os02g19060.1, LOC_Os03g27830.1, LOC_Os03g06400.1, LOC_Os09g27500.1, LOC_Os10g33700.1, LOC_Os11g02660.1, LOC_Os12g37510.1, 1740

66483 24 chr12|11982:24848461-24848533:-1

GAAAATCTATTTTCGAGGCGGACCACTTTTCGTAGGCGACGCTTAAGTGGTCCGCTTGCG
AAAATAGACTTC TGGTCCGCTTGCGAAAATAGA 0.960486 1

repeat_sense, igr_sense,

LOC_Os06g13520.1, LOC_Os02g28280.1, LOC_Os10g23030.1, LOC_Os11g17640.1, LOC_Os08g11450.1, LOC_Os03g38780.1, LOC_Os12g16570.1, LOC_Os04g03760.1, LOC_Os04g54564.1, 362

66521 34143 chr12|11982:25175246-25175315:-1

TGACGGGATCGATCGTCGTCGTCGTCGTCCTTCTCCGTGGCCGCCGGCGCGATGATCG
TCTCCGTCA CGGCGGCGATGATCGTCTCCGTCACC 0.17223 1

intron_antisense,

LOC_Os01g60910.2, LOC_Os09g32370.1, LOC_Os04g09604.1, LOC_Os02g50240.1, LOC_Os10g08280.1, LOC_Os02g13290.1, LOC_Os08g39330.1, LOC_Os08g32560.1, LOC_Os01g37690.2, LOC_Os02g17170.1, LOC_Os10g33620.1, LOC_Os02g15730.1, LOC_Os06g45480.2, LOC_Os03g14900.1, LOC_Os04g45540.1, LOC_Os09g20570.1, LOC_Os01g32680.1, LOC_Os05g35910.1, LOC_Os02g51510.1, LOC_Os10g20510.2, LOC_Os02g35900.1, LOC_Os04g21570.1, LOC_Os10g20510.1, LOC_Os01g06090.1, LOC_Os03g13900.1, LOC_Os07g22420.1, LOC_Os06g20150.1, LOC_Os11g35700.1, LOC_Os03g30050.1, LOC_Os10g28130.1, LOC_Os05g47490.2, LOC_Os03g62790.2, LOC_Os03g05180.1, LOC_Os08g33740.1, LOC_Os05g20330.1, LOC_Os01g51360.1, LOC_Os04g10750.1, LOC_Os07g31490.1, LOC_Os04g31290.1, LOC_Os02g14630.1, LOC_Os10g32590.1, LOC_Os05g33290.1, LOC_Os10g05270.1, LOC_Os01g05810.1, LOC_Os04g11350.1, LOC_Os09g20050.1, LOC_Os03g09970.1, LOC_Os01g73540.1, LOC_Os01g72130.1, LOC_Os07g04610.1, LOC_Os10g34064.1, LOC_Os01g38960.1, LOC_Os12g05320.1, LOC_Os09g25000.1, LOC_Os11g06070.1, LOC_Os10g20510.3, LOC_Os06g40920.1, LOC_Os03g64170.1, LOC_Os08g39330.2, LOC_Os05g51610.1, LOC_Os05g03620.1, LOC_Os12g32190.1, LOC_Os01g05820.1, LOC_Os07g39240.1, LOC_Os09g38510.1, LOC_Os05g08800.1, LOC_Os02g42870.1, LOC_Os08g30850.1, LOC_Os07g47480.1, LOC_Os01g36880.1, LOC_Os09g20970.1, LOC_Os03g56390.1, LOC_Os04g20940.1, LOC_Os02g57570.1, LOC_Os06g46480.1, LOC_Os03g62790.1, LOC_Os06g33450.1, LOC_Os03g21230.1, LOC_Os06g11210.1, LOC_Os09g34120.1, LOC_Os04g10750.2, LOC_Os03g60080.1, LOC_Os06g45480.1, LOC_Os03g48230.1, LOC_Os07g35680.1, LOC_Os08g44830.1, LOC_Os02g30280.1, LOC_Os10g35800.1, LOC_Os12g32920.1, LOC_Os

s06g22340. 1, LOC_0s02g33180. 1, LOC_0s08g36700. 1, LOC_0s10g30530. 1, LOC_0s09g30454. 1, LOC_0s04g31910. 1, LOC_0s08g16260. 1, LOC_0s02g55270. 1, LOC_0s03g64300. 1, LOC_0s02g26190. 1, LOC_0s05g47490. 1, LOC_0s01g39480. 1, LOC_0s01g70230. 1, LOC_0s01g51360. 2, LOC_0s05g16540. 1, LOC_0s07g07230. 1, LOC_0s12g41360. 1, LOC_0s12g05320. 2, LOC_0s11g07670. 1, LOC_0s07g12100. 1, LOC_0s11g31100. 1, LOC_0s02g33240. 1, LOC_0s05g20360. 1, LOC_0s09g22210. 1, LOC_0s01g37690. 1, LOC_0s03g21800. 1, LOC_0s07g34050. 1, LOC_0s08g06730. 1, LOC_0s03g18860. 1, LOC_0s07g37320. 1, LOC_0s06g14050. 1, LOC_0s04g35690. 1, LOC_0s06g44260. 1, 40

66568 126 chr12|11982:25714333-25714477:-1

ATCTTTACTCCCGTTGGTTTACCAACCGGGACTATAAATAGATCTTTAGGCGTATGGCG
ATCTTTTTTCCCGTTGATGTTATCAACCGGGACTACAAATAGATCTTTAGTCCTGGTTGGTAACACCA
ACCGGTACTAAAGATTCCTGGTTGGTAACACCAACCGG 0.596506 1

repeat_sense, igr_sense,

LOC_0s08g44760. 1, LOC_0s06g22430. 1, LOC_0s08g44760. 2, LOC_0s02g50650. 1, LOC_0s08g18900. 1, LOC_0s09g21910. 1, LOC_0s05g03050. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s11g43700. 1, LOC_0s01g02220. 1, LOC_0s08g44760. 3, LOC_0s05g18294. 4, LOC_0s08g13430. 1, LOC_0s08g23829. 1, 4048

66606 34163 osa-MIR415 chr12|11982:26236871-26237014:-1

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GCAAAAGCTTCAAG AACAGAACAGAGCAGAGCAG 0

utr_antisense, exon_antisense,

LOC_0s03g62650. 1, LOC_0s01g33670. 1, LOC_0s03g17920. 2, LOC_0s07g42940. 1, LOC_0s05g24970. 1, LOC_0s07g42940. 3, LOC_0s08g42600. 2, LOC_0s10g35690. 1, LOC_0s07g42940. 5, LOC_0s06g02000. 1, LOC_0s02g38598. 1, LOC_0s03g15530. 1, LOC_0s08g42600. 1, LOC_0s07g42940. 6, LOC_0s03g57780. 2, LOC_0s01g13870. 1, LOC_0s02g18320. 1, LOC_0s04g20164. 2, LOC_0s12g40890. 1, LOC_0s11g47590. 1, LOC_0s12g42280. 1, LOC_0s03g57780. 1, LOC_0s04g46440. 1, LOC_0s07g02200. 1, LOC_0s03g15530. 2, LOC_0s04g58610. 1, LOC_0s06g51240. 1, LOC_0s05g24970. 2, LOC_0s03g62650. 3, LOC_0s03g24920. 1, LOC_0s02g01560. 1, LOC_0s07g42940. 2, LOC_0s03g62650. 2, LOC_0s06g51240. 2, LOC_0s07g42940. 7, LOC_0s02g34860. 1, LOC_0s03g10290. 1, LOC_0s06g02000. 2, LOC_0s08g38140. 1, LOC_0s05g50750. 3, LOC_0s02g22280. 1, LOC_0s01g10270. 1, LOC_0s02g38508. 1, LOC_0s07g25900. 1, 58

66627 34170 chr12|11982:26421837-26422000:-1

GCGTGTGTTTGTCTTCTACCAGGCGCGCGCCTTGGAGAAGAGGTCGGCGGCGACGAGGGC
GTAGGTCCTGGAGGAGCCGCGTTGGAGGCGGAGGCGTCGGGCTGGAGGAGGTCGTCGGCGCGCGGAG
GGTGAAGGCCTGGTCGAGATGAACATGCTGAGC AGGCCTGGTCGAGATGAAC 0.0890325

1 cds_antisense, exon_antisense,

LOC_0s01g04210. 1, LOC_0s01g70660. 1, LOC_0s01g73220. 1, LOC_0s05g39560. 1, LOC_0s02g43870. 1, LOC_0s02g45054. 3, LOC_0s07g46350. 1, LOC_0s09g38000. 1, LOC_0s01g57730. 1, LOC_0s01g73170. 1, LOC_0s12g42600. 1, LOC_0s08g33640. 1, LOC

_Os05g44990.1, LOC_Os02g46500.1, LOC_Os02g57560.1, LOC_Os02g42730.1, LOC_Os01g73200.1, LOC_Os01g67640.1, 5
 66631 126 chr12|11982:26451153-26451284:-1
 ATCTTTAGTACCGGTTGGTGTACCAACCGGGACTAAAGATCTATTTGTAGTCCCGGTTGATAACATCAACCAGGAAAAAAGATCGCCATACGCTTTACTCCCGGTTGGTAACACCAACCGGGACTAAAGAT CCGGTTGGTAACACCAACCGGGA 0.518206 1
 intron_antisense, repeat_sense,
 LOC_Os06g22430.1, LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os08g31649.1, LOC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os08g23829.1, 5587
 66632 126 chr12|11982:26451155-26451282:-1
 CTTTAGTACCGGTTGGTGTACCAACCGGGACTAAAGATCTATTTGTAGTCCCGGTTGATAACATCAACCAGGAAAAAAGATCGCCATACGCTTTACTCCCGGTTGGTAACACCAACCGGGACTAAAGTCCCGGTTGGTAACACCAACC 0.564613 1
 intron_antisense, repeat_sense,
 LOC_Os06g22430.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os08g23829.1, 5268
 66633 34171 chr12|11982:26458885-26458972:-1
 GTACTGCGCTTGTAGTAGGTGTCACGTGACACGTGGGTCCCATCTGCTCCGAGCCCACTTGT CAGAGACACATACTGCATGTGCAGTAC TCAGAGACACATACTGCATGT 0.105443 1
 igr_sense,
 LOC_Os03g39740.2, LOC_Os02g39610.1, LOC_Os03g39740.1, LOC_Os05g03840.1, 6
 66663 126 chr12|11982:26887030-26887106:-1
 TAGTCCCGGTTGGTAACACCAACCGGGACTAAAGATGCTTTATCTTTAATCCCGGTTGATGTTACCAACCGGAATA TCCCGGTTGATGTTACCAACCGG 1.12075 1
 repeat_sense, igr_sense,
 LOC_Os11g35500.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os05g18294.4, LOC_Os08g23829.1, 4144
 66790 127 chr01|11971:967779-967857:1
 TAGTCCCGGTTGGTGTACCAACCGGGAAAAAAGATCGTCATACGCTTTACTCCCGGTTGGTGTACTAACCAGGACTA CCGGTTGGTGTACCAACCGGGA 0.0883144 1
 intron_antisense, repeat_sense,
 LOC_Os11g36150.1, LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os07g11720.1, LOC_Os05g18294.4, LOC_Os01g20950.1, LOC_Os08g23829.1, 5605
 66860 615 chr01|11971:1933056-1933151:1
 TCAGCATAGGACCCACGTAGGCCCCACATGTTAGGAAAGAGAGAGGGTGATGGCATGCCCTCCTAACATGTGGGGCCACGTGGGTTCTACGCTGA TAGGACCCACGTAGGCCCCACATGT 0.0997214 1
 repeat_sense, igr_sense,
 LOC_Os11g11080.1, LOC_Os04g29760.1, LOC_Os08g01794.1, LOC_Os12g32960.1, LOC_Os08g28930.1, LOC_Os06g46230.1, LOC_Os02g06830.1, LOC_Os01g53820.1, LOC_Os04g10230.1, LOC_Os06g36500.1, LOC_Os03g44190.1, LOC_Os09g16500.1, LOC

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66921 101 chr01|11971:2486825-2486979:1

GAGCAATTTTACATTCCTTGAGGAGGTACCATGGGGTACCAAAAAATTTAATGTAAATTT
GGTACCTGATAGTACCTAGGTATCAAGAGATACTAAATTTACAATAGAAAAATAGTACCTCATGGTAC
CTCCTCAAGGACTGTAAAATTACTC TACATTCCTTGAGGAGGTACCATG 1.19601 1

repeat_sense, igr_sense,

LOC_Os09g39740. 1, LOC_Os03g03860. 1, LOC_Os01g49730. 1, LOC_Os06g37830. 1, LOC_Os08g21350. 2, LOC_Os08g38200. 1, LOC_Os03g27930. 1, LOC_Os03g45760. 1, LOC_Os07g06980. 1, LOC_Os01g55974. 3, LOC_Os09g39740. 2, LOC_Os12g13720. 1, LOC_Os05g32530. 1, LOC_Os03g42230. 1, LOC_Os03g03860. 3, LOC_Os12g18120. 3, LOC_Os06g21340. 1, LOC_Os11g38660. 1, LOC_Os12g18120. 4, LOC_Os05g41580. 1, LOC_Os10g42950. 3, LOC_Os08g21350. 1, LOC_Os05g35130. 1, LOC_Os03g52700. 1, LOC_Os03g03860. 2, LOC_Os01g66760. 1, LOC_Os12g18120. 1, LOC_Os01g66520. 1, LOC_Os06g31190. 1, LOC_Os11g25140. 1, LOC_Os07g12160. 1, LOC_Os05g15150. 1, LOC_Os12g18120. 2, LOC_Os06g21340. 2, LOC_Os02g32690. 1, LOC_Os11g40890. 1, 241

67013 127 chr01|11971:3760481-3760544:1

GTAACTTTAGTCCCGTTGGTGTTAGATCCCGGGGATCTAACACCAACCGGGACTAAAGT
CCC TAACTTTAGTCCCGTTGGTG 0.428281 1 repeat_sense, igr_sense,
LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os12g17280. 1, LOC_Os05g18294. 4, LOC_Os08g13430. 1, LOC_Os01g20950. 1, LOC_Os01g38580. 1, LOC_Os08g27180. 1, 7992

67063 6133 osa-MIR156c chr01|11971:4662777-4662925:1

GGAGGAAGAGAGGGGTGAGAGGTGAGGCTGACAGAAGAGAGTGAGCACACATGGTGACTTT
CTTGATGCTGAATGGACTCATGCTTGAAGCTATGTGTGCTCACTTCTCTCTGTTCAGCCATTGATC
TCTCTTTCTCTCTTTCTCC GGCTGACAGAAGAGAGTGAGCACA 0.439768 1

igr_sense, HASH(0x15516e84)

LOC_Os06g36090. 2, LOC_Os02g07780. 1, LOC_Os06g49010. 1, LOC_Os06g49010. 4, LOC_Os03g45779. 1, LOC_Os08g39890. 1, LOC_Os05g48800. 1, LOC_Os02g04680. 1, LOC_Os06g06850. 1, LOC_Os04g42620. 1, LOC_Os07g32170. 1, LOC_Os06g44050. 1, LOC_Os06g45310. 1, LOC_Os06g49010. 2, LOC_Os08g30380. 1, LOC_Os11g30370. 1, LOC_Os08g41940. 1, LOC_Os02g04680. 2, LOC_Os12g25490. 1, LOC_Os06g36090. 1, LOC_Os02g07780. 2, LOC_Os05g05170. 1, LOC_Os02g18810. 1, LOC_Os09g31438. 1, LOC_Os06g49010. 3, LOC_Os05g48800. 2, LOC_Os09g32944. 1, LOC_Os09g03670. 1, LOC_Os07g32170. 2, LOC_Os06g49010. 5, LOC_Os01g69830. 1, LOC_Os04g46580. 1, 49

67064 6133 osa-MIR156b chr01|11971:4663181-4663273:1
GGTCTGACAGAAGAGAGTGAGCACACACGGTGCTTTCTTAGCATGCAAGAGCCATGCTGGG
AGCTGTGCGTGCTCACTCTCTATCTGTGTCAGCC CTGACAGAAGAGAGTGAGCACA
0.996503 1 igr_sense, HASH(0x15547d2c)
LOC_Os06g36090.2, LOC_Os02g07780.1, LOC_Os06g49010.1, LOC_Os06g49010.4, LOC_Os03g45779.1, LOC_Os08g39890.1, LOC_Os02g04680.1, LOC_Os06g06850.1, LOC_Os04g42620.1, LOC_Os07g32170.1, LOC_Os06g44050.1, LOC_Os06g45310.1, LOC_Os06g49010.2, LOC_Os11g30370.1, LOC_Os08g41940.1, LOC_Os02g04680.2, LOC_Os12g25490.1, LOC_Os06g36090.1, LOC_Os02g07780.2, LOC_Os05g05170.1, LOC_Os09g31438.1, LOC_Os06g49010.3, LOC_Os09g32944.1, LOC_Os09g03670.1, LOC_Os07g32170.2, LOC_Os06g49010.5, LOC_Os01g69830.1, LOC_Os04g46580.1, 42
67275 395 chr01|11971:8128615-8128683:1
ATGTAAGACTTTCTAGCATTGTCCACTGTATGTCTATACGTATGTGGACAATGCTAGAAAG
TCTTATAT TAAGACTTTCTAGCATTGTCC 0.0834829 1
repeat_sense, igr_sense,
LOC_Os12g02520.1, LOC_Os10g33700.2, LOC_Os03g52010.1, LOC_Os02g17940.1, LOC_Os12g35480.1, LOC_Os12g31860.1, LOC_Os09g39910.2, LOC_Os06g16330.1, LOC_Os01g68230.1, LOC_Os02g16490.1, LOC_Os02g05810.2, LOC_Os03g29680.1, LOC_Os02g17940.3, LOC_Os02g17940.2, LOC_Os09g39910.1, LOC_Os02g17940.5, LOC_Os12g31860.2, LOC_Os01g47680.1, LOC_Os04g19480.1, LOC_Os04g39600.1, LOC_Os08g39240.2, LOC_Os10g39970.1, LOC_Os09g39910.3, LOC_Os01g34620.7, LOC_Os06g43660.1, LOC_Os09g30050.1, LOC_Os04g39610.2, LOC_Os02g38690.1, LOC_Os04g39610.1, LOC_Os01g42620.1, LOC_Os02g05810.1, LOC_Os09g31506.1, LOC_Os09g27500.1, LOC_Os08g38620.3, LOC_Os02g17940.4, LOC_Os02g53000.2, LOC_Os01g68230.2, LOC_Os04g15760.1, LOC_Os10g33700.1, LOC_Os03g13460.2, LOC_Os02g07960.4, LOC_Os01g22770.1, LOC_Os11g41670.1, LOC_Os12g31860.4, 3159
67316 1421 osa-MIR169a chr01|11971:8725906-8726078:1
CGCCGGCGGCCTGACATTGGGATCGGAGGCCATGGTGCAGCCAAGGATGACTTGCCGATCG
ATCGATCTATCTATGAAGCTAAGCTAGCTGGCCATGGATCCATCCATCAATTGGCAAGTTGTTCTTGGC
TACATCTTGGCCCCTGCTCCTCATGTAAGCCGCGCTGTGGCG CAGCCAAGGATGACTTGCCGA
1 igr_sense, HASH(0x154f1e64)
LOC_Os01g52864.2, LOC_Os07g41720.2, LOC_Os03g07880.2, LOC_Os03g44540.1, LOC_Os12g42400.1, LOC_Os01g52864.1, LOC_Os03g29760.3, LOC_Os07g06470.1, LOC_Os03g29760.2, LOC_Os01g52864.3, LOC_Os07g06740.3, LOC_Os03g29760.4, LOC_Os07g41720.1, LOC_Os03g07880.1, LOC_Os03g07880.3, LOC_Os03g29760.1, 19
67337 589 chr01|11971:9252523-9252605:1
TAAGGATTTTGGAGGGATGTGACACATCCTAGTACTACGAATCTGGACAGGTAGGATATAT
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intron_antisense, repeat_sense,
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68003 1945 chr01|11971:19621107-19621207:1

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1.51056 1 repeat_sense, igr_sense,

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68081 615 chr01|11971:20601717-20601823:1

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68214 615 chr01|11971:22118534-22118639:1

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1.2444 1 igr_sense,

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68240 127 chr01|11971:22549721-22549819:1
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68329 127 chr01|11971:24046961-24047045:1
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68458 127 chr01|11971:26547060-26547123:1
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68463 127 chr01|11971:26672222-26672308:1
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68809 589 chr01|11971:32615369-32615442:1
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68850 3 chr01|11971:33401982-33402101:1
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intron_antisense, repeat_sense,
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68908 395 chr01|11971:34547149-34547253:1

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68920 34796 chr01|11971:34745822-34745925:1

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1.23797 1 intron_sense,
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68921 34797 chr01|11971:34745822-34745925:1
TAAGGGAAGATGTAGTTGCTGCTCCCTAAGATGTGCTAAATATTTAGTTGGACAGGACT
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1.52436 1 intron_sense,
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69047 127 chr01|11971:36833174-36833255:1
TCTTTACTCCCGTTGGTGTACCAATCGGGACTAAAGATCTATTTGTAGTCTGTGTTGGT
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repeat_sense, igr_sense,
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69066 679 chr01|11971:37033381-37033488:1
ACGGGCTCACCATTGCAGGAGGAATGGTCGGCTGGGGATTATTGGACCGATGTGCGGCCAT
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GGCTCACCATTGCAGGAGGAA 0.137516 1
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69278 61 chr01|11971:40741399-40741476:1

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69304 101 chr01|11971:41075908-41076049:1

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70297 101 chr02|11972:6389258-6389419:1

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74329 37474 osa-MIR528 chr03|11973:1645671-1645758:1

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LOC_Os03g55130. 1, LOC_Os12g13440. 1, LOC_Os03g44620. 2, LOC_Os11g01740. 1, LOC_Os11g40450. 1, LOC_Os12g37430. 4, LOC_Os06g01500. 2, LOC_Os06g22330. 1, LOC_Os07g38290. 1, LOC_Os12g37430. 2, LOC_Os02g13500. 1, LOC_Os03g44620. 3, LOC_Os08g42640. 1, LOC_Os04g20164. 1, LOC_Os06g06050. 1, LOC_Os08g36420. 2, LOC_Os03g55130. 2, LOC_Os04g20164. 2, LOC_Os01g03620. 1, LOC_Os12g19600. 1, LOC_Os03g44620. 1, LOC_Os08g36420. 3, LOC_Os06g37150. 1, LOC_Os06g01500. 1, LOC_Os08g36420. 1, LOC_Os08g44770. 1, LOC_Os09g20090. 1, LOC_Os08g04310. 1, LOC_Os12g37430. 3, LOC_Os08g12680. 1, LOC_Os04g39120. 1, LOC_Os08g27460. 1, LOC_Os12g37430. 1, LOC_Os01g62600. 1, LOC_Os04g04330. 1, 26

74373 615 chr03|11973:2774726-2774805:1

GTGACATTGAGTCACTGACATGTGGGACCCACATGTGCCTGGACCCACGTGAGTCCCACAC
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igr_sense,

LOC_Os04g05840. 1, LOC_Os12g04250. 1, LOC_Os11g02750. 1, LOC_Os05g05640. 1, LOC_Os06g46230. 1, LOC_Os05g14990. 1, LOC_Os01g07180. 1, LOC_Os10g18470. 1, LOC_Os04g11200. 1, LOC_Os02g35820. 1, LOC_Os12g06930. 1, LOC_Os02g36310. 1, LOC_Os01g68320. 4, LOC_Os03g10230. 1, LOC_Os06g38930. 1, LOC_Os12g27500. 1, LOC_Os07g16540. 1, LOC_Os12g13040. 1, LOC_Os06g20430. 2, LOC_Os10g08800. 1, LOC_Os08g38450. 1, LOC_Os07g41460. 1, LOC_Os08g02250. 1, LOC_Os10g31390. 1, LOC_Os04g02810. 1, LOC_Os08g26160. 1, LOC_Os03g51180. 1, LOC_Os08g11410. 1, LOC_Os05g40120. 1, LOC_Os07g17930. 1, LOC_Os05g41570. 1, LOC_Os04g40390. 1, LOC_Os05g02450. 1, LOC_Os01g06610. 1, LOC_Os06g20430. 1, LOC_Os01g42890. 1, LOC_Os02g17220. 1, LOC_Os04g57770. 1, LOC_Os01g26828. 1, LOC_Os06g38590. 1, LOC_Os05g04010. 1, LOC_Os05g15490. 1, LOC_Os01g03530. 1, LOC_Os05g24680. 1, LOC_Os04g20430. 1, LOC_Os01g68320. 2, LOC_Os03g17590. 1, LOC_Os09g26850. 1, LOC_Os04g08776. 1, LOC_Os10g10360. 1, LOC_Os08g34940. 1, LOC_Os01g68320. 1, LOC_Os08g23370. 1, LOC_Os05g51780. 1, LOC_Os03g04090. 1, LOC_Os09g25880. 1, LOC_Os06g38780

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1, LOC_Os05g04330. 2, LOC_Os08g36380. 1, 3430

74377 249 chr03|11973:2792170-2792328:1

CCAAATCGTGTGGCGCTGAACTTAGATACCTCAGCGCTAAATAACATGACGCTGAATGTAC
GTTGGCAGCTGACTTAGTCTCCCATCCGCCGTGGCATGGCATTCAAAGCCAGCTGACGTGGCGCTGAG
GTGTCTAAGGTCCGCGCCACACGATTTGG TGGCGCTGAACTTAGATACCTCA 0.697985 1

repeat_sense, intron_sense,

LOC_Os05g30220. 1, LOC_Os09g30478. 1, LOC_Os06g45870. 1, LOC_Os06g11360. 1, L
OC_Os04g59460. 1, 231

74391 5649 osa-MIR167g chr03|11973:3326793-3326874:1

CATAAGCAGGTGAAGCTGCCAGCATGATCTGAAAGCATCTCAAACCAGCGATCAGATCATC
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HASH(0x15e26cb8)

LOC_Os06g03830. 1, LOC_Os02g06910. 1, LOC_Os07g29820. 1, LOC_Os04g57610. 2, L
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_Os06g46410. 1, LOC_Os12g41950. 1, 17

74502 2671 chr03|11973:5845880-5846018:1

GAAAGCTTCAATCCTTTGAATCAAAGGGCCAAATAAAATTTCCATTTGAATCAAAGGATTT
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GAAGCTTTC ATCCTTGAATCAAAGGGCC 0.905693 1

repeat_sense, intron_sense,

LOC_Os06g19400. 1, LOC_Os12g15480. 1, LOC_Os03g48730. 1, LOC_Os04g40600. 1, L
OC_Os09g30100. 1, LOC_Os08g31750. 1, 499

74542 127 chr03|11973:6826606-6826744:1

TTAGTTCCGGTTGGTGTTCCTCAACCGGGACTAAAAATCAAATGATCAAAGATCACCACCTT
AATTCGGTTGGTGTTCCTCAACCGGGACTAAAAATCAAATGATCTTTAATCCCGTTGGGAACACCAAC

CGGAACCTAA TTGGTGTTCCTCCCAACCAGGAC 1.13007 1
repeat_sense, igr_sense,
LOC_0s08g45200.1, LOC_0s06g03610.1, LOC_0s12g13480.1, LOC_0s04g06630.1, L
OC_0s02g15640.1, LOC_0s01g20950.1, LOC_0s11g45720.1, LOC_0s08g23829.1, LO
C_0s01g29450.1, 3138
74608 213 chr03|11973:8726619-8726791:1
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CATTTGTTGTAGATGATAAACATGATTAACACTTTATGCGTGACTTATCTTTTTAATTTTTTTATAAT
TTTTTCAAATAAGATGGACGGTCAAACGTTGGACACGGAAATC
CCAACGTTTGACTGTCCGTCTTAT 0.623918 1 repeat_sense, igr_sense,
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2g13210.1, LOC_0s04g11490.1, LOC_0s08g44450.1, LOC_0s11g11060.2, LOC_0s04
g20474.1, LOC_0s11g18790.1, LOC_0s12g44310.3, 3082
74662 103 chr03|11973:9820787-9820908:1
GGGAAACCGCGAGACGAATCTTTTGAGCCTAATTAAGCCGTCATTAGTACATGTGGGTAC
TGTAGCATTTATGGTTAATCACAGACTAATTAGGCTCAAAGATTCGTCTCGTTATTTCCC
CGCGAGACGAATCTTTTGAG 0.655579 1 repeat_sense, igr_sense,
LOC_0s08g09540.1, LOC_0s12g20324.3, LOC_0s04g55760.1, LOC_0s06g47000.2, L
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06g47000.3, LOC_0s06g50890.2, LOC_0s05g42020.1, LOC_0s01g37630.1, 4819
74669 51 chr03|11973:10115682-10115786:1
TGACATGCAAATAAACGGGTGGACGTCCACTCGAGCTATTAGAATCCATCCCGTAGAAACT
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AAATAAACGGGTGGACGTCCACTCGA 0.63501 1 repeat_sense, igr_sense,
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0s01g60080.1, LOC_0s06g43100.1, LOC_0s01g07530.1, 323
74689 8545 osa-MIR164e chr03|11973:10521187-10521320:1
CTTGTGCAGGGTGGAGAAGCAGGGCACGTGAGCGGCCATCCAGTGTAGCTTCGCTGCGCGT
CCATGGCGGCGAACGCGCGTGATCTGGAGTTTGGATGGTCGTTTCATGTGTCCGTCTTCTCCACCGAGCA
CTGG GGTGGAGAAGCAGGGCACGTGAGC 0.106894 1 igr_sense,
HASH(0x15f4e440)
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74734 43 chr03|11973:11503749-11503858:1

CTCAACTGTAAACCGGAATAACACCTCCCCTATCCTAGGCCTCACCTGAGTCAATTTGC
ATCGGTTTTAAAGGATAGGGGAGGTGTTATACCCGGTTTTATGGTTGAG

AAACCGGAATAACACCTCCCC 1.11851 1 igr_sense,
LOC_0s02g49690. 1, LOC_0s12g04790. 1, LOC_0s11g07660. 1, LOC_0s12g15510. 1, LOC_0s05g08760. 1, LOC_0s08g38480. 1, LOC_0s05g03440. 1, LOC_0s07g25410. 1, LOC_0s05g30740. 1, 60

74749 127 chr03|11973:11763804-11763895:1

GTGATCTTTAGCCCCGGTTGGTGCTACCAACCGAGACTAAAGATCTTAACCTTTAGTCCCGG
TTGGTAGCACCACCGGACTAAAGTCCCAC TTAGCCCCGGTTGGTGCTACC 0.339457
1 repeat_sense, igr_sense,

LOC_0s01g44970. 1, LOC_0s09g17360. 1, LOC_0s04g06630. 1, LOC_0s01g12070. 1, LOC_0s12g22910. 1, LOC_0s01g45060. 1, LOC_0s01g12030. 1, 1693

74776 563 chr03|11973:12414786-12414888:1

TGACACAGCTCCAACCTAGCTCCACCCCTCCTGGAGCTGGAGCTCAGCTAAACAGTTTCA
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0.676911 1 repeat_sense, igr_sense,

LOC_0s01g44430. 1, LOC_0s02g15560. 1, LOC_0s07g38270. 1, LOC_0s01g73580. 1, LOC_0s10g31680. 1, LOC_0s08g43960. 1, LOC_0s05g16309. 1, LOC_0s03g36670. 1, LOC_0s10g41300. 1, LOC_0s06g29200. 1, LOC_0s06g03690. 1, LOC_0s12g01250. 1, LOC_0s03g02860. 1, LOC_0s05g51780. 1, LOC_0s06g24380. 1, LOC_0s10g31050. 1, LOC_0s04g37960. 1, LOC_0s10g42190. 1, LOC_0s05g39840. 1, LOC_0s03g06270. 1, LOC_0s02g08410. 1, LOC_0s07g46400. 1, LOC_0s08g40980. 1, LOC_0s01g13040. 1, LOC_0s08g25420. 1, LOC_0s03g13910. 1, LOC_0s07g38190. 1, LOC_0s02g46720. 1, LOC_0s08g05040. 1, LOC_0s10g42190. 2, LOC_0s02g46720. 2, LOC_0s01g73860. 1, 229

74832 395 chr03|11973:13760213-13760320:1

TAAGTCATTCTAGCATTTCCCACATTCGTATTGATGTTAATGAATATAGATATATATGTCT
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TTCTAGCATTTCCCACATTC 0.355647 1

repeat_sense, intron_sense,
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74861 615 chr03|11973:14409823-14409905:1

GTGCACCTGCAGTAGGTGTCAGTATGTGGGTCTCACCTGCTCCGGGCCACATGTCAG
TGATACCTACTGCATGTCGTAC CCTGCAGTAGGTGTCAGTGA 0.115035 1

repeat_sense, igr_sense,

LOC_0s12g43900. 1, LOC_0s05g46430. 2, LOC_0s02g57540. 1, LOC_0s05g46430. 1, LOC_0s05g04070. 1, 20

74864 49 chr03|11973:14469522-14469645:1

CACCCTCTAATTTGGGACGGAGGGACTACTAGCAAAGATGGATCTGATACCAACATGCTTT
ACATGATCATGAAAGTTGAAAGGCTGCAACTTTGGTACTCCCTCTGTCCCAGATTGGAGGGCG

CCCTCTAATTTGGGACGGAGGGA 0.946815 1 igr_sense,

LOC_0s10g06130. 2, LOC_0s01g63880. 1, LOC_0s07g40450. 2, LOC_0s07g22930. 4, LOC_0s12g16350. 10, LOC_0s12g27350. 1, LOC_0s08g36050. 1, LOC_0s02g02980. 1, LOC_0s07g38440. 1, LOC_0s11g39670. 2, LOC_0s12g27310. 1, LOC_0s09g36100. 1, LOC_0s03g56942. 1, LOC_0s06g12790. 3, LOC_0s11g39670. 1, LOC_0s07g22930. 3, LOC_0s07g22930. 1, LOC_0s05g11560. 2, LOC_0s01g13390. 1, LOC_0s09g20000. 1, LOC_0s02g10210. 1, LOC_0s06g12790. 1, LOC_0s09g39360. 1, LOC_0s11g30620. 1, LOC_0s01g06740. 1, LOC_0s07g40450. 1, LOC_0s05g46490. 2, LOC_0s01g64330. 1, LOC_0s01g52760. 2, LOC_0s02g26984. 1, LOC_0s03g15350. 1, LOC_0s06g11500. 1, LOC_0s11g47160. 1, LOC_0s06g38200. 1, LOC_0s05g34240. 2, LOC_0s09g02214. 3, LOC_0s10g40740. 1, LOC_0s09g36320. 1, LOC_0s03g47960. 1, LOC_0s06g43880. 1, LOC_0s10g28690. 1, LOC_0s02g34580. 1, LOC_0s07g22930. 2, LOC_0s02g37800. 1, LOC_0s06g12790. 2, LOC_0s11g41670. 1, 1226

74869 127 chr03|11973:14595310-14595389:1

GTTTCGGTTGGTGTACCAACCGGGATTGGGGACTGGGCCGACAAGATCTTTTGTGCCGGT
TGGTGTACCAACTGGGAC CGGTTGGTGTACCAACCGGGA 0.274947 1

repeat_sense, igr_sense,

LOC_0s11g36150. 1, LOC_0s08g45200. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, L

OC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s07g11720.1, LOC_0s05g18294.4, LOC_0s01g20950.1, LOC_0s08g23829.1, 5451

74882 127 chr03|11973:14950815-14950906:1

TCTTTTTTCCCGTTGGTGTACCAACCGGGACTAAAAATAGAAAATAGATCTTAAGTCCC
GGTTGGTAACACCACCAACCGGGACTAAAGA TCCCGTTGGTGTACCAACCG

0.437133 1 repeat_sense, igr_sense,

LOC_0s08g45200.1, LOC_0s11g35500.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s05g18294.4, LOC_0s01g20950.1, LOC_0s12g22910.1, LOC_0s08g23829.1, 5417

74886 1101 chr03|11973:15068412-15068499:1

GACCTACATCCGACTGGTTCCAGTCGGGGGCTCTGGGTTGTTGTAGTTTCAGTTGCTGC
CGACTGGTTTCCAGTCGGAGGCTGGTC CATCCGACTGGTTCCAGTCGGGGGCTC 0.701825

1 repeat_sense, cds_antisense, exon_antisense,

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74927 101 chr03|11973:15773430-15773591:1

AGTAATTCTACGGTCCTTGAGGAGGTACCATGAGGTACCAAAAATTTAGTGTAATAATTTAG
TACATCATGATACCTTATAGTACCTAGGTACCAAGAGGTAACAAATTTACAATAGAAAAATGGTACCT
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1.27423 1 intron_antisense, repeat_sense,
LOC_Os10g21810. 1, LOC_Os03g03860. 1, LOC_Os09g09400. 1, LOC_Os01g49730. 1, LOC_Os12g25180. 1, LOC_Os01g33800. 1, LOC_Os05g03480. 3, LOC_Os03g27930. 1, LOC_Os11g24270. 1, LOC_Os06g08300. 1, LOC_Os11g27240. 1, LOC_Os07g06980. 1, LOC

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74928 101 chr03|11973:15773438-15773583:1

TACGGTCCTTGAGGAGGTACCATGAGGTACCAAAAATTTAGTGTAATTTAGTACATCAT
GATACCTTATAGTACCTAGGTACCAAGAGGTAACAAATTTACAATAGAAAAATGGTACCTCATGGTAC
CTCCTCAAGAACTGTA CTTGAGGAGGTACCATGAGGTA 1.43699 1

intron_antisense, repeat_sense,
LOC_Os09g09400. 1, LOC_Os01g49730. 1, LOC_Os12g25180. 1, LOC_Os05g03480. 3, LOC_Os11g24270. 1, LOC_Os11g27240. 1, LOC_Os12g37910. 2, LOC_Os07g06980. 1, LOC_Os09g30474. 1, LOC_Os08g01070. 1, LOC_Os12g34990. 1, LOC_Os12g03720. 1, LOC_Os01g55974. 3, LOC_Os03g42230. 1, LOC_Os01g52380. 1, LOC_Os11g13750. 1, LOC_Os02g31840. 1, LOC_Os05g35130. 1, LOC_Os01g66760. 1, LOC_Os12g37910. 1, LOC_Os11g15450. 1, LOC_Os03g27054. 1, LOC_Os05g15150. 1, 386

74952 127 chr03|11973:16071369-16071446:1
GTAACTTTAGTCCCGGTTGGTGTTATGAACCAGGGATCTTTAGCCTCGGTTACATAACACCA
ACCGGGACTAAAGTCCC AACTTTAGTCCCGGTTGGTGTT 0.271446 1

repeat_sense, igr_sense,
LOC_Os11g35750. 1, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os12g17280. 1, LOC_Os11g36280. 1, LOC_Os05g18294. 4, LOC_Os08g13430. 1, LOC_Os01g20950. 1, LOC_Os01g38580. 1, LOC_Os10g01560. 1, LOC_Os08g27180. 1, 8641

74991 127 chr03|11973:16707019-16707111:1
TCCCGGTTGGTGTTACCAACCGGGGAAAAAGATCAATATAAACTTTACTCCCGGTTGATTA
TCTTTAGTCCCGGTTGGTAACACCAACTAGGA CGGTTGGTGTTACCAACCGGG 1.07079

1 intron_antisense, repeat_sense,
LOC_Os08g45200. 1, LOC_Os09g17360. 1, LOC_Os02g08060. 1, LOC_Os12g13480. 1, LOC_Os04g06630. 1, LOC_Os05g18294. 4, LOC_Os01g20950. 1, LOC_Os08g23829. 1, 5278

75010 37588 chr03|11973:16992356-16992450:1
CGCTACTTCTCCTTATCGGCACCACTTCTTATTTATCTCATGGCTAACCGTCCTCGGATAA
GGAGGAGAAGTGCTGGGAGGGAGGAGGGACG TCTCCTTATCGGCACCACTT 0.374483

1 igr_sense,
LOC_Os09g27830. 2, LOC_Os06g06240. 1, LOC_Os12g43990. 1, LOC_Os08g26310. 1, LOC_Os09g27830. 3, LOC_Os03g30860. 1, LOC_Os09g27830. 1, 2

75021 127 chr03|11973:17101643-17101736:1
GGGATCTTTAGTCCCGGTTGGTAATACCAACCGGGACTAATGATCCCGGTGATCTTTAGCC
CCGGTTGGTGCTACCAACCGGGACTAAAGTCCC ATCTTTAGTCCCGGTTGGTA 0.0281481

1 repeat_sense, igr_sense,
LOC_Os07g14430. 1, LOC_Os11g35750. 1, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os09g27830. 3, LOC_Os03g30860. 1, LOC_Os09g27830. 1, 2

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75121 1163 chr03|11973:20227231-20227320:1

GCCTGGAAGTTCCGGTACAAGAACACCGGAAGTTCGGATTGTCTGAGCAGACCGGAAATT
CCGGTGTCTACACCAGGAGGTTCGGGC GGAAGTTCGGTACAAGAACACCGG 0.0839714

1 repeat_sense, igr_sense,

LOC_0s06g25730.1, LOC_0s10g10290.1, LOC_0s03g16530.1, LOC_0s02g43500.2, LOC_0s03g32890.1, LOC_0s01g72520.1, LOC_0s09g12540.1, LOC_0s05g19440.1, LOC_0s02g54830.1, LOC_0s06g22730.1, LOC_0s10g22030.1, LOC_0s07g43820.1, LOC_0s08g16540.1, LOC_0s01g03620.1, LOC_0s06g07100.1, LOC_0s04g52840.2, LOC_0s01g03630.1, LOC_0s04g52840.1, LOC_0s01g03640.1, LOC_0s09g07410.1, LOC_0s02g43500.1, LOC_0s02g39170.1, LOC_0s02g25170.1, LOC_0s11g43790.1, LOC_0s01g11370.1, LOC_0s06g19260.1, LOC_0s09g04260.1, LOC_0s08g19530.1, LOC_0s06g08640.1, LOC_0s05g24120.1, 49

75149 127 chr03|11973:20969178-20969296:1

AGTCCCGTTGGTGTACAAACCGGGACTAAAGATCCTAGACGCCTAACACAGTCTGACAT
GGAACCAACCAGGACTAAAAATCATCTTTAGTCCCGTTGGTAACACCAACCGGGACT

GGTGTACAAACCGGGACTA 0.745421 1

repeat_sense, intron_sense,

LOC_0s11g10290.1, LOC_0s05g09210.1, LOC_0s08g45200.1, LOC_0s01g28080.1, LOC_0s04g27010.1, LOC_0s12g13480.1, LOC_0s09g03939.2, LOC_0s04g06630.1, LOC_0s07g13090.1, LOC_0s12g40960.1, LOC_0s03g43080.1, LOC_0s09g03939.1, LOC_0s01g20950.1, LOC_0s12g06960.1, LOC_0s08g23829.1, LOC_0s06g32290.1, LOC_0s11g06630.1, LOC_0s04g37420.1, 3957

75195 127 chr03|11973:22076552-22076645:1

GACTAAAGATCCCTATCTTTAGTCCCGTTGGCACCAACCGGGATCTTTAGTCCCGTTAT
TTCACCCGGGACTAAAGATAGCGATCTTTAGTT CCCTATCTTTAGTCCCGTTGG 0.19225

1 repeat_sense, igr_sense,

LOC_0s07g14430.1, LOC_0s10g08660.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s12g17280.1, LOC_0s04g06630.1, LOC_0s11g36280.1, LOC_0s05g18294.4, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s01g38580.1, LOC_0s08g28720.1, LOC_0s10g01560.1, 8152

75219 127 chr03|11973:22731018-22731098:1

TTAGTTCGATTGGTGTACCAACCGGGATTAAAAAGGCTCTATCTTTGGTCCCGTTGA
TAACACCAATCAGGACTAAA CCGATTGGTGTACCAACCGGGA 0.576738 1

repeat_sense, igr_sense,

LOC_0s05g09210.1, LOC_0s08g22910.1, LOC_0s08g45200.1, LOC_0s01g28080.1, LOC_0s11g33320.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s01g31320.1, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s08g23829.1, 3930

75231 10473 chr03|11973:22865494-22865645:1

TGGACTAGGTGGGATGGGTTGGTTCCATCCCTGGTTTTTCAGGATGGGTTGGTTCCATTTTT

CTGTTTGGTTGGTGGGATGGGTTGGACCCAGTTTTTTATTTGGTTGGAGGGATGAGATGGGATGGAGTG
AACCCATCCCTTGTTTGGTTCA TGGGATGGGTTGGTTCCATCC 0.493358 1

igr_sense,

LOC_Os10g03060.1, LOC_Os06g45300.2, LOC_Os06g45300.1, LOC_Os05g28110.1, LOC_Os11g47452.1, LOC_Os11g03890.1, LOC_Os01g02420.1, LOC_Os02g24960.1, 41

75256 395 chr03|11973:23457078-23457186:1

TACTCCCTCCGTCCCAATATGTAGCAACCTAGGACATATGTCCAAATTCGTAATCCTATGA
TGGGTCTAATTCATCTTAGGTTGCTACATATTGGGACGAAGGGAGTA

CCTCCGTCCCAATATGTAGCAAC 0.65889 1

repeat_sense, intron_sense,

LOC_Os01g43060.1, LOC_Os08g16350.2, LOC_Os02g02980.1, LOC_Os11g39670.2, LOC_Os08g25010.1, LOC_Os02g13830.1, LOC_Os06g48700.1, LOC_Os10g01820.1, LOC_Os09g17730.1, LOC_Os11g39670.1, LOC_Os11g43760.1, LOC_Os08g36030.1, LOC_Os01g06740.1, LOC_Os01g64330.1, LOC_Os06g48700.2, LOC_Os01g56640.1, LOC_Os01g65130.1, LOC_Os01g60780.1, LOC_Os06g43950.1, LOC_Os11g24540.1, LOC_Os08g16350.1, 404

75325 8279 chr03|11973:24755470-24755548:1

AATCTAGGTGGGGATGTGACACCACCTAAGACAAAGAATCTGGACATGTCCTAGGTGGTGT
CCCATCCCTACCTAGATT GTGGGGATGTGACACCACCT 0.470648 1

intron_antisense, repeat_sense,

LOC_Os03g17300.1, LOC_Os01g68610.1, 24

75367 395 chr03|11973:25563137-25563272:1

TACTTCCTCCGTTTCATAGTGTAAGGCTTCATAAAAAATGTGAATGAATCTAAATATTCATA
TGTGTCTAGATTCATTAATAACTATATAAATGTGGGTAATGCTAGAAAGTCTTACATTGTGAAACGGAG
GAAGTA TATACTTCCTCCGTTTCATAGTGTAAG 0.254445 1

repeat_sense, intron_sense,

LOC_Os08g34050.1, LOC_Os11g42970.1, LOC_Os03g42550.1, LOC_Os12g02520.1, LOC_Os10g33700.2, LOC_Os04g49160.1, LOC_Os02g17940.1, LOC_Os12g18729.6, LOC_Os12g35480.1, LOC_Os12g37480.1, LOC_Os12g16690.1, LOC_Os06g19990.1, LOC_Os05g43650.1, LOC_Os12g31860.1, LOC_Os01g64100.1, LOC_Os03g47120.1, LOC_Os08g19114.1, LOC_Os03g40600.1, LOC_Os12g18729.4, LOC_Os03g38689.1, LOC_Os01g56140.1, LOC_Os03g54900.1, LOC_Os10g38040.1, LOC_Os10g22260.1, LOC_Os05g25890.1, LOC_Os03g52770.1, LOC_Os07g35870.2, LOC_Os05g02860.1, LOC_Os03g16900.1, LOC_Os06g08580.1, LOC_Os01g68230.1, LOC_Os02g45650.1, LOC_Os12g32610.1, LOC_Os12g18729.2, LOC_Os02g01030.1, LOC_Os02g16490.1, LOC_Os06g17390.1, LOC_Os07g28570.1, LOC_Os02g43560.1, LOC_Os02g05810.2, LOC_Os07g01130.1, LOC_Os05g03574.1, LOC_Os09g14560.1, LOC_Os12g16290.1, LOC_Os02g17940.3, LOC_Os06g23274.1, LOC_Os02g17940.2, LOC_Os04g27190.2, LOC_Os11g35340.1, LOC_Os09g02080.1, LOC_Os11g30620.1, LOC_Os03g54130.1, LOC_Os01g66440.1, LOC_Os12g18729.5, LOC_Os02g42040.1, LOC_Os02g17940.5, LOC_Os09g28180.1, LOC_Os12g31860.2, LOC_Os01g07870.1, LOC_Os03g14730.1, LOC_Os09g33560.1, LOC_Os04g39600.1, LOC_Os08g39240.2, LOC_Os10g39970.1, LOC_Os06g11500.1, LOC_Os06g19990.2, LOC_Os12g18729.3, LOC_Os09g28830.1, LOC_Os03g54900.2,

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75372 437 chr03|11973:25651350-25651441:1

CGCCGGTGGTGACGTCACCGCTGACGTCATCGTCGTCGTCCATCCGTGAGCCGCCGCCGGT
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75471 1385 chr03|11973:28017581-28017701:1

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75509 37656 chr03|11973:28958297-28958383:1

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75572 37662 osa-MIR443 chr03|11973:29972037-29972122:1

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75605 9727 chr03|11973:30890919-30891058:1

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exon_sense, repeat_sense, cds_sense,

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75681 10231 osa-MIR160d chr03|11973:32393927-32394066:1

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75710 101 chr03|11973:33063784-33063945:1

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75714 5649 osa-MIR167c chr03|11973:33069554-33069714:1
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75843 37705 chr03|11973:36317160-36317253:1
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75918 615 chr04|11974:460160-460265:1
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0.0462537 1 repeat_sense, igr_sense,

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76055 69 chr04|11974:1619291-1619482:1

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76056 69 chr04|11974:1619296-1619477:1

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76143 127 chr04|11974:2706347-2706481:1

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76144 127 chr04|11974:2706350-2706478:1

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intron_antisense, repeat_sense,

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76197 127 chr04|11974:3014118-3014209:1

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1 intron_antisense, repeat_sense,

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76433 437 chr04|11974:4505772-4505946:1

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0.318987 1 repeat_sense, igr_sense,

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76632 37908 osa-MIR420 chr04|11974:6098550-6098687:1

TAAATTAATCACGGAATGATCTTTGAATTGTTAAAAATACTTCCAATGCTCAAATAATTC
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76693 127 chr04|11974:6633983-6634101:1
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76798 127 chr04|11974:7587183-7587293:1
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77159 127 chr04|11974:10760881-10761006:1
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TCTTTAGTCCCGGTTGGTGA 0.369396 1
repeat_sense, intron_sense,
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77160 127 chr04|11974:10760885-10761002:1
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77269 1101 chr04|11974:11883096-11883183:1
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77705 2373 chr04|11974:15472335-15472469:1

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218

77920 127 chr04|11974:17928766-17928915:1

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78037 1421 osa-MIR169g chr04|11974:19232685-19232808:1

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78332 101 chr04|11974:22951245-22951362:1

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79064 103 osa-MIR442 chr04|11974:32149634-32149815:1

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TGACGTGTAAATTGCGAGACGAAT 1 repeat_sense, intron_sense,
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79117 615 chr04|11974:32787023-32787128:1

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0.272015 1 igr_sense,

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79276 9505 osa-MIR396e chr04|11974:34217758-34217941:1

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TCCACAGGCTTTCTTGAAGT 1 utr_sense, exon_sense,
HASH(0x16a2dd00)

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79316 127 chr04|11974:34751391-34751516:1

TTTAGTCCCGGTTGGTGTATCAACCGGGACTAAAAATAATCTTTAGTCCCGGTTCTAAAC
CTATCAGGCCCTTGTACAGCCCCCGGGATCTTTAGTCCTGGTTGGTGTACCAACCGGGACTAAA

GGTTGGTGTATCAACCGGGA 0.474117 1 repeat_sense, igr_sense,
LOC_0s08g45200. 1, LOC_0s09g17360. 1, LOC_0s02g08060. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s08g23829. 1, 3989

79364 38762 osa-MIR426 chr05|11975:152048-152195:1

TCGCATTTTGGGAAGTTTGTCTTACGAAAAGGCTAGCAAAATTTAGTGAGGCAATGAATG
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LOC_0s08g40140. 2, LOC_0s08g40140. 1, LOC_0s07g34740. 1, 1

79382 10483 chr05|11975:508961-509124:1

GCCCTTCATTTGGGCGGCAAGCTGACGTGGCACGCGGCACTAGTTCTTTTGCATCTGAGC
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1 exon_sense, repeat_sense, cds_sense,

LOC_0s05g04020. 1, LOC_0s06g21470. 1, LOC_0s04g56460. 1, LOC_0s03g51180. 1, LOC_0s10g30790. 2, LOC_0s12g37650. 1, LOC_0s10g31050. 1, LOC_0s12g27150. 1, LOC_0s06g29370. 1, LOC_0s06g21470. 2, LOC_0s10g30770. 1, LOC_0s05g01870. 1, LOC_0s06g43170. 1, LOC_0s08g33090. 1, LOC_0s05g24650. 1, LOC_0s05g01930. 1, LOC_0s10g30790. 1, 362

79428 127 chr05|11975:1300468-1300582:1

GAGTAAAGATCGATCTTTAGTCCCGGTTGGTAACACCAACCGGGACTAAAGATGGCTCAGC
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CGATCTTTAGTCCCGGTTGG 0.67015 1 repeat_sense, igr_sense,
LOC_Os07g14430.1, LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, L
OC_Os09g17360.1, LOC_Os12g17280.1, LOC_Os04g06630.1, LOC_Os11g36280.1, L
C_Os05g18294.4, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os01g29680.1, LOC
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79439 395 chr05|11975:1350977-1351092:1

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79467 395 chr05|11975:1662230-1662360:1

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CATATATATTGTACTAGAATGTGTACATCCCACTAAAATCCTTTATATTTAGGGATGGAGGGAGTAGG
T TAGTACTCCCTCCGTCCTAAATATAA 0.832139 1

repeat_sense, igr_sense,
LOC_Os01g09310.1, LOC_Os03g22050.1, LOC_Os12g27340.1, LOC_Os04g33720.1, L
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79527 38806 chr05|11975:2485431-2485515:1

TCATGCTATCTGATCAATCTCTGCCAAATAGATGTTGGTTGGAGTTTTGGTCACTATTTGG
CAGAGATTTGATCAGATAGCATGA CTATCTGATCAATCTCTGCCA 0.883721 1

intron_sense,

LOC_Os08g01910. 1, LOC_Os03g48920. 2, LOC_Os11g30270. 1, LOC_Os07g24030. 1, LOC_Os10g33740. 1, LOC_Os12g27780. 1, LOC_Os03g42690. 1, LOC_Os04g49900. 1, LOC_Os06g38940. 1, LOC_Os03g48920. 1, LOC_Os02g04450. 1, LOC_Os01g51754. 1, LOC_Os02g03860. 1, LOC_Os01g11900. 1, 10

79560 1385 chr05|11975:3077445-3077529:1

TTGCTCAGGCTCGGGTTCGGCTCGTTTGAAGCTCGAGCCGAGCTCGAATCGAGCCTAGGAC
GAGCCAAGCTCGAGCTGCCCGCGA AGGCTCGGGTTCGGCTCGTTT 0.616367 1

repeat_sense, igr_sense,

LOC_Os03g42160. 1, LOC_Os08g25340. 1, LOC_Os01g60090. 1, LOC_Os04g19060. 1, LOC_Os12g02920. 1, 162

79583 38820 chr05|11975:3536348-3536471:1
TAAATACACCCCTGAACTACAAAACCGGTATAATACACCCTCAAATCTGGGGGGTTAAG
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CCCCTGAACTACAAAACCGG 0.705292 1 repeat_sense, igr_sense,
LOC_Os01g50600.1, LOC_Os05g49920.1, LOC_Os05g23450.1, LOC_Os06g23274.1, L
OC_Os04g01460.1, LOC_Os04g20210.1, LOC_Os05g08760.1, LOC_Os04g20210.2, LO
C_Os05g23450.2, 560

79611 38825 chr05|11975:3855017-3855161:1
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GGTGGCAGCCATGATTGCCACCATGGTGACCGTAGA 0.101978 1 igr_sense,
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C_Os08g29000.1, LOC_Os12g15010.1, LOC_Os07g41480.1, LOC_Os01g29160.1, LOC
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79672 101 chr05|11975:4476156-4476301:1
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intron_antisense, repeat_sense,
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79713 127 chr05|11975:5134716-5134835:1
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C_Os03g05640.1, 3822

79722 6133 osa-MIR1561 chr05|11975:5208637-5208776:1
GCCGACAGAAGAGAGTGAGCATATATAGTTCTTTCCTTGCATATGTGGTCATATGTGTGTT
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TTCTGTCAGC CGACAGAAGAGAGTGAGCATA 0.163769 1 igr_sense,
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79727 61 chr05|11975:5295391-5295464:1

GCTGGACTGTTTGGGGGAGCTTCTGATTTTGGGAGAAACGGCTATAGCTAGAAGCTCCCCG
AAACAGGCCAAC TGGACTGTTTGGGGGAGCTTCT 0.447573 1

repeat_sense, igr_sense,

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79732 1099 chr05|11975:5331022-5331163:1

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repeat_sense, igr_sense,

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79740 127 chr05|11975:5463634-5463712:1

TAGTCCCGTTGGTAACATCAACCGGGAGTAAAGCGTATGGCGATCTTTTTTCCCGGTTGG
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79787 38864 chr05|11975:6033646-6033733:1

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79838 589 chr05|11975:6674195-6674279:1

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repeat_sense, igr_sense,
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80007 127 chr05|11975:9226942-9227070:1
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80100 127 chr05|11975:10711549-10711625:1
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80111 38950 chr05|11975:10817500-10817600:1
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OC_0s02g09340.1, LOC_0s10g09750.1, 11
80148 213 chr05|11975:11238493-11238675:1
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80260 127 chr05|11975:13175301-13175452:1
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intron_antisense, repeat_sense,
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80283 615 chr05|11975:13541679-13541781:1

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80333 249 chr05|11975:14158160-14158294:1

GTGCTGAACTTAGACACCTTAGCGCCACGTCAACTGGCGTTGAATGCCGTGCCACCATGGA
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repeat_sense, cds_antisense, exon_antisense,

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80372 127 chr05|11975:14650910-14650984:1

TAGTCTCGGTTGGTGTACCAATCGGGACTAAAGATAGCATCTTTTTCCCGGTTGGTGT
ACCAACCGGGACTA CGGTTGGTGTACCAATCGGGA 0.405255 1

repeat_sense, igr_sense, intron_sense,

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80439 127 chr05|11975:15464851-15464990:1

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repeat_sense, igr_sense,

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80565 423 chr05|11975:17112887-17113011:1
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80577 8545 osa-MIR164c chr05|11975:17246456-17246573:1
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80585 395 chr05|11975:17444839-17444960:1
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80644 615 chr05|11975:18287579-18287685:1

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80645 615 chr05|11975:18287586-18287678:1

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80719 2739 chr05|11975:19312343-19312454:1

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80788 39119 chr05|11975:20005069-20005226:1

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cds_antisense, exon_antisense,
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80840 2731 chr05|11975:20506124-20506299:1

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80879 1955 chr05|11975:21020602-21020791:1

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 80972 437 chr05|11975:22455400-22455490:1
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81054 1339 chr05|11975:23796042-23796169:1
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81250 395 chr05|11975:26277478-26277573:1
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81292 423 chr05|11975:26888704-26888839:1

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81374 127 chr05|11975:28487258-28487350:1

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81425 437 chr05|11975:29336280-29336388:1

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81442 39261 chr05|11975:29520021-29520103:1

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36

81552 1523 chr06|11976:1785564-1785704:1
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81553 1523 chr06|11976:1785569-1785699:1
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81594 127 chr06|11976:2493082-2493234:1
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81595 127 chr06|11976:2493086-2493229:1
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AAGGGGCTGACATACCCTGACAGCATTCTGAACCGGGACTAAAGATCTTTAGTCCCGGTTGGTGTGTTA
CCAACCGGGACTAA TTGGTAGCACCAACCGGGGCTA 0.701454 1
repeat_sense, igr_sense,
LOC_Os04g06630.1, LOC_Os03g03800.1, LOC_Os08g13430.1, LOC_Os08g23829.1,
1432

81655 39315 chr06|11976:3331141-3331217:1
GTTAGAGGGATATGGGTCGCTGACAGGTAGAGCCCACCTCATGGGTCCACATGTCAGCGA
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igr_sense, LOC_0s03g42110.1, LOC_0s01g14100.2, 10

81695 9505 osa-MIR396b chr06|11976:3668650-3668765:1
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TTCCACAGCTTTCTTGAAGT 1 igr_sense, HASH(0x173a6150)
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19810.2, LOC_0s06g13810.3, LOC_0s12g29980.1, LOC_0s02g47280.2, LOC_0s08g0
9110.1, 22

81810 39354 chr06|11976:5146808-5146932:1
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C_0s02g56660.1, LOC_0s01g61940.1, LOC_0s01g42620.2, LOC_0s08g18950.1, LOC
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81975 101 chr06|11976:6975426-6975571:1
AATTTTACGGTTCTTGAGGAGGTAACATGAGGTACCACTTTTTCTATTGTAAATTTGGTAC
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CAAGGACCGTAGAATT TTCTTGAGGAGGTAACATGAGGTAC 0.938039 1
repeat_sense, igr_sense,
LOC_0s01g49730.1, LOC_0s07g42290.1, LOC_0s08g43840.1, LOC_0s03g52630.1, L
OC_0s12g03720.1, LOC_0s01g55974.3, LOC_0s03g42230.1, LOC_0s01g52380.1, L
C_0s02g31840.1, LOC_0s07g45160.1, LOC_0s05g35130.1, LOC_0s01g66760.1, LOC
_0s11g15450.1, LOC_0s03g27054.1, LOC_0s11g14544.4, LOC_0s05g15150.1, LOC
_0s03g52630.2, 276

81976 101 chr06|11976:6975490-6975563:1
GGTACTGTGAGGTACCATGAGGTACCAAATTTTACATTAAATTTTGGTACCTCATGTTAC
CTCCTCAAGGACC TGAGGTACCATGAGGTACCAAAT 1.23743 1
repeat_sense, igr_sense,
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 82140 1385 chr06|11976:8888002-8888109:1
 GCCGAGCTCAAGCTCGAACGAGCTCGAATCGAGCTTGCCATAAAGCTCGAAGGTGCAATAG
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 82287 127 chr06|11976:10654206-10654298:1
 AGATATCTTTAGTCCCGTTGTTCACAACCGGGAGTAAATATCTTTCTTTACTCCCG
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 1 repeat_sense, intron_sense,
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 82349 117 chr06|11976:11528170-11528360:1
 TGGAAATTTGGGAAATTGGAACCATGCCACTTCGTCGATTTTCCGTTGGAACCTAGACAT
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 AATGGAGATTTTTGACGGAAAACGCGACGGAGTGGCACAGCTCCAATTTCCCAAATTCCA
 GGGAAATTGGAACCATGCCACTTC 0.671006 1
 exon_sense, repeat_sense, cds_sense,
 LOC_Os10g24060.1, LOC_Os05g45530.1, LOC_Os09g04440.1, LOC_Os12g12650.1, LOC_Os01g05550.1, LOC_Os02g34340.1, LOC_Os01g16110.1, LOC_Os08g09400.1, LOC_Os08g34470.1, LOC_Os01g06670.1, LOC_Os06g08530.2, LOC_Os03g43020.1, LOC_Os12g05130.1, LOC_Os02g13550.1, LOC_Os05g15670.1, LOC_Os08g31210.1, LOC_Os04g44750.1, LOC_Os04g30520.1, LOC_Os08g10380.1, LOC_Os02g26560.1, LOC_Os10g10360.1, LOC_Os04g15740.1, LOC_Os04g25520.1, LOC_Os04g12880.1, LOC_Os02g38000.1, LOC_Os04g24410.2, LOC_Os06g08530.5, LOC_Os10g29640.1, LOC_Os05g04840.1, LOC_Os03g54804.1, LOC_Os01g16110.2, LOC_Os08g21650.1, LOC_Os08g02690.1, LOC_Os09g36540.1, LOC_Os02g35210.1, LOC_Os09g28410.1, LOC_Os01g47440.1, LOC_Os06g37320.1, LOC_Os06g08530.3, LOC_Os01g67810.1, LOC_Os10g03920.1, LOC_Os09g04440.2, LOC_Os02g14850.1, LOC_Os08g09870.1, LOC_Os01g17060.1, LOC_Os06g34800.1, LOC_Os10g30800.1, LOC_Os06g08530.1, LOC_Os12g42340.1, LOC_Os05g43180.1, LOC_Os06g16730.1, LOC_Os03g42654.1, LOC_Os04g41850.1, LOC_Os04g21780.1, LOC_Os06g08530.4, 841
 82353 423 chr06|11976:11545197-11545333:1
 CTCGATAACAAGTTGAAGGACCTTGGGTGTACTTTTCCTTCAGAAGAAAAGAACCATCGA
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 CATCAAG ACAAGTTGAAGGACCTTGGG 1.2527 1
 repeat_sense, cds_antisense, exon_antisense,
 LOC_Os02g40720.1, LOC_Os04g17090.1, LOC_Os01g04320.1, LOC_Os07g04730.1, L

OC_0s01g65810.1, LOC_0s05g46110.1, LOC_0s06g22970.1, LOC_0s05g25940.1, LOC_0s01g39490.1, LOC_0s12g29610.1, LOC_0s11g24790.1, LOC_0s05g27970.1, LOC_0s06g20130.1, 772

82354 423 chr06|11976:11545204-11545326:1

ACAAGTTGAAGGACCTTGGGTGTACTTTTCCTTCAGAAGAAAAGAACCATCGAACGGCCC
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GGACCTTGGGTGTACTTTTCCTTC 0.501414 1

repeat_sense, cds_antisense, exon_antisense,

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82500 1721 chr06|11976:13666883-13666970:1

TGTTCCATCTAGGATGAGGACGTGGCATCCTATTAATTTTCGTGCGATTGCTGGTAATAGGA
TGCCAAGTCTCGTCTAGGTGAAACA AGGATGAGGACGTGGCATCCT 0.82146 1

repeat_sense, igr_sense,

LOC_0s02g54360.1, LOC_0s07g06345.1, LOC_0s08g14860.4, LOC_0s07g41980.1, LOC_0s07g06166.1, LOC_0s04g27760.1, LOC_0s01g42480.1, LOC_0s01g65130.1, LOC_0s06g29220.1, 158

82530 127 chr06|11976:14262990-14263057:1

TCCCGGTTGGTGTTATCAACCGGGACTACAAATAGATCTTTAGTCCCGGTTGGTGTTACCA
ACCGGGA GGTGGTGTTATCAACCGGGA 0.032361 1 repeat_sense, igr_sense,
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82655 127 chr06|11976:16124452-16124518:1

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AGATCC TCTTTAGTCCCGGTTGGTGGG 0.216263 1 repeat_sense, igr_sense,
LOC_0s02g16630.1, LOC_0s10g08660.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s12g17280.1, LOC_0s11g43800.1, LOC_0s05g18294.4, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s01g38580.1, LOC_0s10g01560.1, LOC_0s08g27180.1, 7123

82752 127 chr06|11976:17656470-17656560:1

GATATCTTTAGTCTCGGTTGGTATTAACAACCAGGAGTAAAGAACAAATGTTTACTCCCGA
CTGTTACTACCAACCGGGACTAAAGATATC ATCTTTAGTCTCGGTTGGTA 0.87096 1

intron_antisense, repeat_sense,

LOC_0s11g35750.1, LOC_0s10g08660.1, LOC_0s02g50650.1, LOC_0s09g11300.1, LOC_0s01g24910.1, LOC_0s09g17360.1, LOC_0s04g06630.1, LOC_0s11g36280.1, LOC_0s06g15730.1, LOC_0s06g24950.1, LOC_0s11g19910.1, LOC_0s08g13430.1, LOC_0s10g06430.1, LOC_0s01g38580.1, LOC_0s10g01560.1, 6903

82763 6137 chr06|11976:17781844-17781952:1
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82768 39597 chr06|11976:17872816-17872955:1
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GCCTGAGCTG GACGATGGCGACAACGGCGATGA 0.445231 1
intron_antisense, igr_sense,
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82807 1101 chr06|11976:18383409-18383507:1

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0.806848 1 repeat_sense, cds_antisense, exon_antisense,
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82810 437 chr06|11976:18413685-18413784:1

CAGATAAGTCATCTGTGACGGGCTCTAAGATAATGCCCGATAGAGATAGATTAATCTCTATCGGGCTTTAACTAAGGCCCGTCACCGATGACTTTTTTTG

ATAAGTCATCTGTGACGGGCTCTA 0.603886 1 repeat_sense, igr_sense, LOC_0s07g31560. 1, LOC_0s09g02800. 1, LOC_0s04g49080. 1, LOC_0s01g24650. 1, LOC_0s11g15070. 1, LOC_0s11g10770. 1, LOC_0s11g07400. 1, LOC_0s11g22510. 1, LOC_0s07g16880. 1, LOC_0s04g25720. 1, LOC_0s11g23960. 1, LOC_0s11g20580. 1, LOC_0s03g43160. 1, LOC_0s08g08440. 1, LOC_0s05g25100. 1, LOC_0s11g35540. 1, LOC_0s09g17329. 2, LOC_0s11g10610. 1, LOC_0s06g21040. 1, 2186

82818 1385 chr06|11976:18596591-18596711:1

GGCTCGTCCTAGGCTCGATTGAGCTCGGCCGAGTACCAAACGAGCTGAACCCAAGCCTGAGCAAAAGCTTGCGAGCTTTACCGAGCCGAGCTCGAGCTTCTACCGAGCCTGGGCGAGCT

TAGGCTCGATTGAGCTCGGC 0.248085 1 repeat_sense, igr_sense, LOC_0s03g27530. 1, LOC_0s06g31920. 1, LOC_0s06g31950. 1, LOC_0s01g58350. 1, LOC_0s01g63480. 1, LOC_0s03g49310. 1, 126

82859 127 chr06|11976:19206942-19207034:1
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0.544532 1 repeat_sense, igr_sense,
LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os09g17360.1, L
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C_Os08g13430.1, LOC_Os01g20950.1, LOC_Os12g22910.1, LOC_Os01g38580.1, LOC
_Os10g01560.1, LOC_Os08g27180.1, 9039

82892 127 chr06|11976:19676857-19676950:1
GTAACTTTAGTCCCGGTTGGTAAGATCGTAACTTTAGTCCCGGTTGGTGTTATGAAGCGGG
GCTAAAGATCCCACCAACCGGGACTAAAGTCCC AACTTTAGTCCCGGTTGGTAA 1.17629
1 repeat_sense, igr_sense,
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OC_Os12g13480.1, LOC_Os12g17280.1, LOC_Os04g06630.1, LOC_Os08g26860.1, L
C_Os11g36280.1, LOC_Os08g08310.1, LOC_Os08g13430.1, LOC_Os01g38580.1, LOC
_Os10g01560.1, LOC_Os08g27180.1, 7750

82893 127 chr06|11976:19676884-19676950:1
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AGTCCC AACTTTAGTCCCGGTTGGTGTT 0.950559 1 repeat_sense, igr_sense,
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OC_Os12g17280.1, LOC_Os11g36280.1, LOC_Os05g18294.4, LOC_Os08g13430.1, L
C_Os10g01560.1, LOC_Os08g27180.1, 8641

82933 6287 chr06|11976:20026991-20027093:1
GGATGGAGACTTGAACCCATGACCTCTTGGGTAAGAGAATAAGACACCACCCTATACCCCT
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0.592918 1 intron_sense,
LOC_Os06g46830.1, LOC_Os10g33440.1, LOC_Os01g46130.2, LOC_Os01g46130.3,
38

82934 10033 chr06|11976:20026998-20027086:1
GACTTGAACCCATGACCTCTTGGGTAAGAGAATAAGACACCACCCTATACCCCTTATTGCT
TTTACCCACGAGGTCATGGGTCAAGTC TGAACCCATGACCTCTTGGGTAA 0.389948 1
intron_sense,
LOC_Os04g58350.2, LOC_Os11g28560.1, LOC_Os10g22030.1, LOC_Os07g26880.1, L
OC_Os01g71280.1, LOC_Os11g24920.1, LOC_Os04g58350.1, LOC_Os04g54140.1,
29

82935 3343 chr06|11976:20027057-20027142:1
CTTTTACCCACGAGGTCATGGGTCAAGTCCTCATTCTTAATTTTTGGATGGAGACTT
GAACCCATGACCTCTTGATAAGAG CCACGAGGTCATGGGTCAA 0.773744 1
intron_sense,
LOC_Os04g01290.2, LOC_Os04g01290.1, LOC_Os07g04430.1, LOC_Os12g08970.1,
60

83194 10011 chr06|11976:23131975-23132059:1
GGTGAGCGTCTTGCCCAAGTCGCCGCTGGCGTCGACGCCGGCGGAAGAAGAAGGCGGCG
GCGGACGGCGCAAGGCGCCGCC GTCTTGCCCAAGTCGCCGCTGG 0.105055 1

exon_sense, repeat_sense, cds_sense,
LOC_Os01g57610.1, LOC_Os02g02450.1, LOC_Os03g35630.1, LOC_Os09g34980.2, LOC_Os01g27790.1, LOC_Os03g51600.3, LOC_Os12g15060.1, LOC_Os01g24600.1, LOC_Os11g35700.1, LOC_Os06g44430.1, LOC_Os09g35790.2, LOC_Os10g05590.1, LOC_Os06g44050.1, LOC_Os03g21040.1, LOC_Os10g04240.1, LOC_Os05g23200.1, LOC_Os03g26910.1, LOC_Os01g70470.1, LOC_Os12g41200.1, LOC_Os03g51600.2, LOC_Os02g09970.1, LOC_Os09g34980.1, LOC_Os01g24550.1, LOC_Os03g51600.1, LOC_Os06g43320.1, LOC_Os03g21040.2, LOC_Os09g35790.1, 6

83218 127 chr06|11976:23517780-23517909:1

TTTAGTCCGGTTGGTGTACCAACCGGTACTAAAAATATTTTACCAATCGGAAGCAAAGAT
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83224 395 chr06|11976:23618878-23618988:1

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ACTTCCTCCGTCCCAAAATGTAGCTACCTAGTACAGGATATGACGTTATCTTGTACTACGA
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CCTCCGTCCCAAAATGTAGCTAC 0.856389 1

intron_antisense, repeat_sense,
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83225 395 chr06|11976:23618877-23618989:1

TACTTCCTCCGTCCCAAAATGTAGCTACCTAGTACAGGATATGACGTTATCTTGTACTACG
AATCTGGACTAGGTACTGCACTAGGTAGCTACATTTTGGGACAGAGGAAGTA

CGTCCCAAAATGTAGCTACCT 1.26964 1

intron_antisense, repeat_sense,
LOC_Os02g15870.2, LOC_Os02g37950.1, LOC_Os11g31330.1, LOC_Os07g32020.1, LOC_Os11g40390.1, LOC_Os08g36030.1, LOC_Os01g06740.1, LOC_Os02g15870.1, LOC_Os01g36100.1, LOC_Os11g24540.1, 237

83473 6133 osa-MIR156j chr06|11976:26553831-26553931:1

GAGATTGTTGACAGAAGAGAGTGAGCACACGGCGCGCGGCTAGCCATCGGCGGGATGCCT
GCCCCGCGCGTGCTCGCTCCTCTTTCTGTGAGCATCTC TGACAGAAGAGAGTGAGCAC

1 igr_sense, HASH(0x177bed3c)

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83488 127 chr06|11976:26701767-26701887:1
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C_Os01g20950.1, LOC_Os12g22910.1, LOC_Os08g23829.1, 6361
83518 127 chr06|11976:27100647-27100784:1
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AAGATCAT TTATTCCCGGTTGGTGTACC 0.0855834 1
repeat_sense, igr_sense,
LOC_Os09g22360.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os07g26810.1, L
OC_Os08g27320.1, LOC_Os01g32750.1, LOC_Os01g20950.1, LOC_Os12g22910.1, L
C_Os01g35390.1, LOC_Os08g23829.1, LOC_Os05g04420.1, 3427
83560 5649 osa-MIR167i chr06|11976:27673752-27673950:1
GTGAGAGGCTGAAGCTGCCAGCATGATCTGGTCCATGAGTTGCACTGCTGAATATATTGAA
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C_Os06g03830.2, LOC_Os09g29890.2, LOC_Os04g57610.1, LOC_Os10g31520.1, LOC
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83571 6405 chr06|11976:27790967-27791147:1
GTTTGAAGAGCTTCTGATTCTGGGAGAAGATACAACCTGGTAGAAGCTTCCCAAACTATC
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AGAGCTTCTGATTCTGGGAGA 0.141945 1 igr_sense,
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02g46740.1, LOC_Os08g12680.1, LOC_Os03g55730.2, LOC_Os11g42030.1, LOC_Os0
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83592 10231 osa-MIR160b chr06|11976:28080048-28080135:1
GCGTGCTGGCTCCCTGTATGCCACTCATGTAGCCCAATCCATGGTGTGTTTGGATGCTGT
GGGTGGCGTGCAAGGAGCCAAGCATGC TGCCTGGCTCCCTGTATGCCAC 0.210522 1
igr_sense, HASH(0x17805884)
LOC_Os10g33940.1, LOC_Os04g47870.1, LOC_Os05g24400.1, LOC_Os06g47150.1, L
OC_Os06g47150.2, LOC_Os04g59430.1, LOC_Os04g43910.1, LOC_Os02g41800.1, L
C_Os07g26730.1, LOC_Os04g23970.1, LOC_Os09g29160.1, 12

TGAAGCTG

83599 8889 chr06|11976:28189004-28189104:1
CGAAGTCGTCGTCGGTGGTCAGCTCCGACGAGTTCGGCGCCGGCCCCGCCTTCTACCGGCC
GGCGGCCGCCTCCTCCGGCTGCCGCGGCGGACGCCACG GTCGTCGTCGGTGGTCAGCT
0.0801064 0 exon_sense, cds_sense,
LOC_Os06g12810.1, LOC_Os06g34020.1, LOC_Os02g32980.1, LOC_Os08g42780.1, L
OC_Os07g49410.1, LOC_Os08g03030.1, LOC_Os07g40290.1, LOC_Os11g05230.1, L
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83622 2693 osa-MIR397a chr06|11976:28488788-28488899:1
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TTTGCCCGGTGATCTGATCATCATCAGCGCTTCACTCAATCATGCGTTTGG
TCATTGAGTGCAGCGTTGATG 1 igr_sense, HASH(0x17853fd8)
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83843 101 chr06|11976:30894606-30894761:1
AATTCTATGTTCTTGAGGAGGTATCATGAGGTACCAAAAATTTAGTGTAATAATTTGGTAC
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83879 395 chr07|11977:488005-488077:1
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83896 127 chr07|11977:824122-824234:1

TTAGTCCCGGTTGGTGTACCTACCGGGACTAAAGATGCGGTTCTAAATCTGTCAGACCTTGTCAGGCCCTCTGAGATCTTTAGTCCCGGTTGGTAACATCAACCGGGAAGAA

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83897 127 chr07|11977:824126-824230:1

TCCCGGTTGGTGTACCTACCGGGACTAAAGATGCGGTTCTAAATCTGTCAGACCTTGTCAGGCCCTCTGAGATCTTTAGTCCCGGTTGGTAACATCAACCGGGA

GGTGTACCTACCGGGACTAAAGAT 1.3612 1 repeat_sense, igr_sense, LOC_0s05g09210. 1, LOC_0s08g45200. 1, LOC_0s07g14430. 1, LOC_0s01g28080. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s07g13090. 1, LOC_0s08g26860. 1, LOC_0s11g14740. 1, LOC_0s01g04150. 1, LOC_0s05g18294. 4, LOC_0s03g43080. 1, LOC_0s01g20950. 1, LOC_0s08g23829. 1, LOC_0s12g40700. 1, LOC_0s04g37420. 1, 7281

83905 101 chr07|11977:942964-943121:1

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1 repeat_sense, igr_sense, LOC_0s10g21810. 1, LOC_0s09g09400. 1, LOC_0s03g03860. 1, LOC_0s01g49730. 1, LOC_0s12g25180. 1, LOC_0s01g33800. 1, LOC_0s05g03480. 3, LOC_0s03g27930. 1, LOC_0s11g24270. 1, LOC_0s06g08300. 1, LOC_0s11g27240. 1, LOC_0s07g06980. 1, LOC_0s09g30474. 1, LOC_0s06g41090. 1, LOC_0s08g01070. 1, LOC_0s12g34990. 1, LOC_0s12g03720. 1, LOC_0s01g55974. 3, LOC_0s01g52380. 1, LOC_0s05g35800. 1, LOC_0s11g13750. 1, LOC_0s05g03210. 1, LOC_0s03g03860. 3, LOC_0s05g35950. 1, LOC_0s02g31840. 1, LOC_0s04g43060. 1, LOC_0s08g39570. 1, LOC_0s07g45160. 1, LOC_0s10g42950. 3, LOC_0s05g35130. 1, LOC_0s05g34980. 1, LOC_0s08g39160. 1, LOC_0s03

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83906 101 chr07|11977:942969-943116:1

TTTACGGTCCTTGAGGAGGTACCATGAGGTACCAAAATTTACAAATTTTGGTACCTCATG
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TCCTCAAGGACCATAAAAA CTTGAGGAGGTACCATGAGGTA 0.61154 1

repeat_sense, igr_sense,

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83908 213 chr07|11977:970636-970810:1

GGTCCCGTGCCAACGTTTGACTGTCCGTCTTATATGAAATTTTTTTTATAATTAGTATTTT
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83939 127 chr07|11977:1437006-1437098:1

CTATCTTTAGTCCCGTTGGTAACACCAATCGGGAAAAAAGATTCCCATATGCTTTACTCC
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0.565285 1 repeat_sense, igr_sense,

LOC_Os06g22430. 1, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os06g04920. 2, LOC_Os09g17360. 1, LOC_Os02g08060. 1, LOC_Os12g13480. 1, LOC_Os12g17280. 1, LOC_Os04g06630. 1, LOC_Os01g02220. 1, LOC_Os08g26860. 1, LOC_Os06g04920. 1, LOC_Os05g18294. 4, LOC_Os07g23354. 1, LOC_Os08g08310. 1, LOC_Os08g13430. 1, LOC_Os12g22910. 1, LOC_Os08g23829. 1, LOC_Os03g19436. 1, LOC_Os03g19420. 2, LOC_Os04g13630. 1, LOC_Os03g19420. 1, LOC_Os10g01560. 1, LOC_Os08g27180. 1, 8323

83971 101 chr07|11977:2177158-2177312:1

GAGCAATTTTACGGTCCTTAAGGAGGTACCATGAAGTATCATTTTTTTCTATTGTAAATTT
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CTCCTCAAGGACCATAGAATTACTC ACGGTCCTTAAGGAGGTACCATGA 1.21713 1

repeat_sense, igr_sense,

LOC_Os09g39740. 1, LOC_Os01g49730. 1, LOC_Os07g42070. 1, LOC_Os01g33800. 1, L

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83986 423 chr07|11977:2359526-2359687:1

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1 repeat_sense, igr_sense,

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83987 423 chr07|11977:2359533-2359680:1

ATCCCGTTGACAAGTTGAGGGACCTTCGGTGCACTTTTTGCTTTCTAGTACAAGCAGACCT
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TCAACTTGTCATCGGGAT TGACAAGTTGAGGGACCTTCG 1.44802 1

repeat_sense, igr_sense,

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84071 213 chr07|11977:3771280-3771454:1

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1.02915 1 repeat_sense, igr_sense,

LOC_0s03g22050. 1, LOC_0s04g20474. 2, LOC_0s12g42110. 1, LOC_0s10g07340. 1, LOC_0s10g10170. 4, LOC_0s04g45820. 1, LOC_0s09g19229. 1, LOC_0s03g61950. 1, LOC_0s03g24730. 1, LOC_0s10g10170. 2, LOC_0s03g61950. 2, LOC_0s12g42100. 1, LOC_0s03g12620. 1, LOC_0s06g50154. 1, LOC_0s09g02214. 3, LOC_0s04g20474. 1, LOC_0s11g24120. 1, LOC_0s11g37540. 1, 2369

84100 395 chr07|11977:4512507-4512658:1

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repeat_sense, igr_sense,

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84127 395 chr07|11977:5235903-5236025:1

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LOC_0s06g43680. 1, LOC_0s11g11060. 1, LOC_0s04g33720. 1, LOC_0s09g40000. 2, LOC_0s10g06130. 2, LOC_0s06g48030. 3, LOC_0s06g09190. 1, LOC_0s12g16350. 10, LOC_0s11g09460. 2, LOC_0s12g03899. 1, LOC_0s09g16990. 1, LOC_0s01g02960. 1, LOC_0s09g37870. 1, LOC_0s07g42210. 1, LOC_0s02g35090. 1, LOC_0s02g38720. 1, LOC_0s06g11090. 1, LOC_0s03g03690. 1, LOC_0s09g16220. 1, LOC_0s12g03320. 1, LOC_0s11g39670. 2, LOC_0s05g34550. 1, LOC_0s01g51800. 1, LOC_0s09g06970. 2, LOC_0s03g18030. 1, LOC_0s08g39310. 1, LOC_0s02g32250. 1, LOC_0s07g30790. 1, LOC_0s03g54900. 1, LOC_0s10g04610. 1, LOC_0s01g57630. 1, LOC_0s02g38589. 1, LOC_0s10g07340. 1, LOC_0s04g57650. 1, LOC_0s02g43670. 1, LOC_0s04g32540. 2, LOC_0s03g46860. 1, LOC_0s11g40390. 1, LOC_0s09g37570. 1, LOC_0s06g06080. 2, LOC_0s09g25139. 1, LOC_0s03g61950. 1, LOC_0s02g07010. 1, LOC_0s01g12820. 1, LOC_0s11g34460. 2, LOC_0s05g04060. 1, LOC_0s07g48040. 1, LOC_0s02g16490. 1, LOC_0s10g01820. 1, LOC_0s11g09460. 1, LOC_0s03g24730. 1, LOC_0s06g12790. 3, LOC_0s12g01510. 1, LOC_0s09g17730. 1, LOC_0s11g39670. 1, LOC_0s02g13100. 1, LOC_0s04g53510. 1, LOC_0s03g16470. 2, LOC_0s02g02740. 2, LOC_0s12g16290. 1, LOC_0s07g09460. 1, LOC_0s02g10210. 1, LOC_0s12g03899. 2, LOC_0s02g42940. 1, LOC_0s01g06740.

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84168 127 chr07|11977:6281205-6281297:1

GTATCTTTAGTCCCGGTTGGTGTTACCAACCGGGACTAAAGATCACGGGGATCTTTAGCCC
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0.246525 1 repeat_sense, igr_sense,

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11946

84218 39911 chr07|11977:7560380-7560478:1

TCCTCTGCTGTGCTGCACATGCAGACTAACATGTGGGCCACAGGGTCTATGGGGCCACAT
ATCAGTGAGCAGTACTGTATGTGCAGTACTGCAGAGGATCTGCTGTGCTGCACATGCA 0.190799

1 igr_sense,

LOC_Os02g29230. 1, LOC_Os03g64260. 1, LOC_Os08g14720. 1, LOC_Os07g29860. 1, L
OC_Os09g16340. 1, LOC_Os08g40900. 1, LOC_Os01g01430. 1, LOC_Os09g25880. 1, L
C_Os01g70420. 1, LOC_Os08g40900. 2, LOC_Os05g32160. 1, 16

84219 7065 chr07|11977:7574387-7574491:1

GAAAACGCCGATTTTCGCTGGCGGACATTTAAGAGGTCCGCCGAAAAATATAGTAGTTTT
TATAGCGGACCTCTTAATGTGGCCGCCAGCGAAAATCGGTTTTTC GCCGATTTTCGCTGGCGGAC

0.38149 1 repeat_sense, igr_sense,

LOC_Os08g11450. 1, LOC_Os06g35524. 1, 38

84256 1945 chr07|11977:8312271-8312377:1

AATGTCATCGCCGTTAGGGTTCCATCCTCCCCACGCTGTAAATACACTGTTTCATCATATA
GCACTTAACGACGCGGGATGGACGGAACCTAACGCGCATGGCATT

CGCCGTTAGGGTTCCATCCT 0.357094 1 repeat_sense, igr_sense,
LOC_Os04g42784. 1, LOC_Os07g47870. 1, LOC_Os07g27210. 1, LOC_Os02g58640. 1,
79

84283 213 chr07|11977:9025095-9025271:1

GGTTTTCCGTGTCCAACGTTTGACTGTCCGTTTTATGAAATTTTTTATAATTAATATTT
TCATTGTTGTTAGATGATAAAACATGATTAATACTTTATGCATGATTGTCTTTTTAATTTTTTTTCAT
AATTTTTTTTAAATAAGACGGACGGTCAAACGTTGGATATGGGAACCC

TGTCCAACGTTTGACTGTCCGT 1.22764 1 repeat_sense, igr_sense,
LOC_Os03g22050. 1, LOC_Os04g20474. 2, LOC_Os12g42110. 1, LOC_Os10g07340. 1, L
OC_Os10g10170. 4, LOC_Os04g45820. 1, LOC_Os09g19229. 1, LOC_Os03g61950. 1, L
C_Os10g10170. 2, LOC_Os03g61950. 2, LOC_Os12g42100. 1, LOC_Os03g12620. 1, LOC

_Os06g50154.1, LOC_Os09g02214.3, LOC_Os04g20474.1, LOC_Os11g24120.1, LOC_Os11g37540.1, 2125
 84299 39925 chr07|11977:9333656-9333780:1
 TAGCGCTACGTGTCAGTGGGGACTCACATGTCAGCTCTGTGTCACCATAGGAGAAAATAT
 GGTTTTTAATTTTATTTTATAAATATGACTGACTTGTGGGTCCCCACTGACACGTAGGCACTA
 GTGTCAGTGGGGACTCACATG 0.405654 1 repeat_sense, igr_sense,
 LOC_Os09g34300.1, 20
 84304 127 chr07|11977:9541925-9542003:1
 TAGTCCCGTTGGTAACACCAACCGGGAGTAAAGCGTATGGCGATCTTTTTTCCCGGTTGG
 TGTATCAACCGAACTA CCGGTTGGTAACACCAACCGGGAGT 0.228729 1
 repeat_sense, igr_sense,
 LOC_Os06g22430.1, LOC_Os08g28860.1, LOC_Os09g17360.1, LOC_Os02g08060.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os08g31649.1, LOC_Os08g13430.1, LOC_Os08g23829.1, 5643
 84374 127 chr07|11977:11214964-11215048:1
 GATCTTTACTCCCGTTGTACTACCAACCCGGACTAAAGATACCACTTTAGTCCCGGTTG
 GTAGTATCAACGGGACTAAAGATC TTAATCCCGGTTGTACTACCAACC 0.383865 1
 repeat_sense, igr_sense,
 LOC_Os06g30860.1, LOC_Os09g17360.1, LOC_Os04g06630.1, LOC_Os05g18294.4, LOC_Os08g23829.1, 1891
 84390 39937 chr07|11977:11785758-11785849:1
 AGGAGAAAAGGCGGTTTTGCCCTTCTTTAATAATCAACATCATGTACAGGCAGATCTGAAA
 ACTAAAGAAGGGCAAACCGTCTTTTCTCCT AGGCGGTTTTGCCCTTCTTT 1.13304
 1 igr_sense,
 LOC_Os10g28020.1, LOC_Os11g32900.2, LOC_Os11g32900.1, LOC_Os04g02860.1, LOC_Os08g21160.1, LOC_Os02g17240.1, LOC_Os04g56750.1, 29
 84441 9253 chr07|11977:13257440-13257554:1
 ATATACCTTGTAGTTTGTGTTGTAGCTGGCTACAAATCTATAACACGCTGCTCTTCTCTCT
 CTTCTTTTATCTCTAAGATTTGTAGCCAGCTGCAGCACAACTCTAAGATATAT
 TAGTTTGTGTTGTAGCTGGCTA 1.37111 1 repeat_sense, igr_sense,
 LOC_Os03g12320.3, LOC_Os12g43100.1, LOC_Os02g55950.2, LOC_Os07g46730.1, LOC_Os05g16040.1, LOC_Os02g51970.1, LOC_Os03g12320.2, LOC_Os06g13320.1, LOC_Os12g16670.1, LOC_Os04g39540.1, LOC_Os11g31020.1, LOC_Os02g55950.1, LOC_Os11g34624.1, LOC_Os06g14820.1, LOC_Os03g12320.1, 119
 84483 8007 chr07|11977:14514050-14514131:1
 GGCGGTGCCAAGGTTTCGGCTGAACCCTTGTTTGGCCGAACCGCCTCTGCCACCCAAGGG
 TTCGCCGAACCGCCTCTGCC AGGGTTCGGCTGAACCCTTGTTT 0.431399 1
 repeat_sense, igr_sense,
 LOC_Os01g27900.1, LOC_Os10g21690.1, LOC_Os05g11400.1, LOC_Os05g21090.1, LOC_Os09g03560.1, LOC_Os08g26660.1, LOC_Os02g03840.1, LOC_Os04g11240.1, LOC_Os08g12590.1, LOC_Os01g28320.1, LOC_Os12g24920.1, LOC_Os03g41790.1, LOC_Os07g18170.1, LOC_Os04g16850.1, LOC_Os08g10890.1, LOC_Os01g28830.1, LOC_Os09g25370.1, LOC_Os11g32190.1, LOC_Os05g15950.1, LOC_Os11g25970.1, LOC_Os03g10620.1, LOC_Os06g35800.1, LOC_Os06g25210.1, LOC_Os07g15610.1, LOC_Os

02g14390. 1, LOC_Os04g15930. 1, LOC_Os02g23960. 1, LOC_Os07g20370. 1, LOC_Os03g10620. 2, 214

84510 1523 chr07|11977:15299182-15299314:1

GGCTCAGCGCCAACCTCTTTGGCGCTGAGGTTGTTTCATATCAGCGCCAATGGGACTGGCGC
TGACATCGCGCCAGCGTGGCGGGCGAGACGCGACGTGGCAGGGCCTCAGCGCCAAAGTATTTGGCGCTG
ACC TCAGCGCCAACCTCTTTGGCGCTGA 0.20465 1

intron_antisense, repeat_sense,

LOC_Os12g13230. 1, LOC_Os12g24220. 1, LOC_Os08g13210. 1, LOC_Os08g41870. 1, LOC_Os08g32800. 1, LOC_Os01g28720. 1, LOC_Os08g10150. 1, LOC_Os03g63990. 1, LOC_Os08g05360. 1, LOC_Os11g31410. 1, LOC_Os02g28880. 1, LOC_Os09g39280. 1, LOC_Os01g28910. 1, LOC_Os11g31760. 1, LOC_Os02g36540. 1, LOC_Os04g25430. 1, LOC_Os11g20780. 1, LOC_Os02g03480. 1, LOC_Os02g32600. 1, LOC_Os02g21110. 1, LOC_Os02g49350. 1, LOC_Os02g34280. 1, LOC_Os01g72620. 1, LOC_Os10g42900. 1, LOC_Os05g08890. 1, LOC_Os12g13220. 1, LOC_Os08g36100. 1, LOC_Os04g21030. 1, LOC_Os05g07310. 1, LOC_Os07g35930. 1, LOC_Os03g40440. 1, LOC_Os07g25500. 1, LOC_Os09g10360. 1, LOC_Os03g28360. 1, LOC_Os01g45460. 1, LOC_Os02g56670. 1, LOC_Os05g35250. 1, 209

84511 1523 chr07|11977:15300313-15300457:1

GCAAGGTGTCAGCGCCAAGTGCATTGGCGCTGAGGCCCTGCCACATCGCGCCTCGCCCCGCC
ACGCTGGCGCGATGTCAGCGCCAGTCCCGTTGGCGCAGATAAGAACAACCTCAGCGCCAACCGCTTTGG
CGCTGATCCGACGGCTCAGCGCCAAGTGCATTGGCGCTGA 0.623363 1

repeat_sense, cds_antisense, exon_antisense,

LOC_Os03g58660. 1, LOC_Os08g41870. 1, LOC_Os07g32910. 1, LOC_Os08g32800. 1, LOC_Os01g28720. 1, LOC_Os12g22860. 1, LOC_Os08g32470. 1, LOC_Os03g38530. 1, LOC_Os03g63990. 1, LOC_Os08g05360. 1, LOC_Os07g13140. 1, LOC_Os11g31410. 1, LOC_Os02g28880. 1, LOC_Os09g10350. 1, LOC_Os04g22370. 1, LOC_Os05g25600. 1, LOC_Os04g07260. 1, LOC_Os07g26560. 1, LOC_Os04g07130. 1, LOC_Os11g31760. 1, LOC_Os02g36540. 1, LOC_Os06g22300. 1, LOC_Os04g25430. 1, LOC_Os11g31220. 1, LOC_Os07g37454. 1, LOC_Os11g20780. 1, LOC_Os02g32600. 1, LOC_Os02g34280. 1, LOC_Os01g72620. 1, LOC_Os03g31870. 1, LOC_Os05g08890. 1, LOC_Os05g38540. 1, LOC_Os12g43560. 1, LOC_Os03g37394. 1, LOC_Os06g39530. 1, LOC_Os11g03960. 1, LOC_Os04g30290. 1, LOC_Os12g34210. 1, LOC_Os08g36710. 1, LOC_Os05g07310. 1, LOC_Os09g01970. 1, LOC_Os05g43960. 1, LOC_Os08g20760. 1, LOC_Os07g35930. 1, LOC_Os09g10360. 1, LOC_Os04g07430. 1, LOC_Os07g07600. 1, LOC_Os12g18630. 1, 163

84553 127 chr07|11977:16848951-16849061:1

TGATCTTTAGTCCCGGTTGGTGTTATTAACCGGGACTAAAGATCCCGGGGGGCTGACAGG
CCCTGACAGCATTGAACCGGGACGTGTTACCAACCGGGACTAAAGATCA

TCTTTAGTCCCGGTTGGTGT 0.280305 1 repeat_sense, igr_sense,

LOC_Os02g16630. 1, LOC_Os11g35750. 1, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os12g17280. 1, LOC_Os11g36280. 1, LOC_Os05g18294. 4, LOC_Os08g13430. 1, LOC_Os01g20950. 1, LOC_Os01g38580. 1, LOC_Os10g01560. 1, LOC_Os08g27180. 1, 8562

84707 127 chr07|11977:20375348-20375438:1

GATATCTTTAGTCCCGGTTGTTGAGAACAACCGGAAGTAAATATCTTTTCTTTACTCCCGG

TTGTTATCAACAACCGGGACTAAAGATATC ATCTTTAGTCCCGGTTGTTG 0.130249 1
 repeat_sense, igr_sense,
 LOC_Os10g40780.3, LOC_Os11g35750.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g17280.1, LOC_Os07g02100.2, LOC_Os11g36280.1, LOC_Os10g40780.2, LOC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os10g40780.1, LOC_Os04g23270.1, LOC_Os01g38580.1, LOC_Os01g52590.1, LOC_Os10g01560.1, LOC_Os08g27180.1, 9095
 84739 615 chr07|11977:21038445-21038603:1
 TGGGCCCATGTGGACCCACACGTCATCCTCGATACCCCTTGTAGCCCGCTCCGGCCGCCG
 CCCAACCCGCTTCGCCAGCCGGCCACTGCCTACTCCGCCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGATAG
 AGGATGACGTATGGGTCCACATGGGCCCA TGGACCCACACGTCATCCTCGA 0.658473 1
 repeat_sense, igr_sense,
 LOC_Os04g29760.1, LOC_Os01g60730.1, LOC_Os08g11660.1, LOC_Os08g11320.1, LOC_Os01g55620.1, LOC_Os01g36370.1, LOC_Os09g08110.1, LOC_Os06g46550.1, LOC_Os08g38450.1, LOC_Os05g45830.1, LOC_Os12g38900.1, LOC_Os02g17220.1, LOC_Os01g66040.1, LOC_Os07g36740.1, LOC_Os07g36690.1, LOC_Os04g35210.1, LOC_Os08g09930.1, LOC_Os12g13670.1, LOC_Os03g51120.1, LOC_Os06g09320.1, LOC_Os05g29070.1, LOC_Os05g51570.1, LOC_Os02g33160.1, LOC_Os05g08110.1, LOC_Os12g13670.2, LOC_Os02g19860.1, 236
 84763 101 chr07|11977:21427978-21428123:1
 TACGGTCTTTGAGGAGGTACCATGAGGTACCAAAAATTTAGTGTAATAATTTGGTACCTCAT
 GGTACCTCATAGTACCTAGGTACCGAGAGAATCCAAATTTACAATAGAAAAAGGGTACCTCATGGTAC
 CTTCTCAAGTACCGTA TTGAGGAGGTACCATGAGGTA 1.12194 1
 intron_antisense, repeat_sense,
 LOC_Os01g49730.1, LOC_Os12g25180.1, LOC_Os12g37910.2, LOC_Os09g30474.1, LOC_Os08g01070.1, LOC_Os12g34990.1, LOC_Os12g03720.1, LOC_Os01g55974.3, LOC_Os03g42230.1, LOC_Os01g52380.1, LOC_Os11g13750.1, LOC_Os02g31840.1, LOC_Os05g35130.1, LOC_Os01g66760.1, LOC_Os12g37910.1, LOC_Os11g15450.1, LOC_Os03g27054.1, LOC_Os05g15150.1, 374
 84788 127 chr07|11977:22067017-22067149:1
 ATCTTTAGTCCCGTTGGTAACACCAACCGGGACTAAAGATGATCTTTAATCCCGGTTACAC
 ATGCTGTCAGGTGTTGTCAGGCCCTCCAGGATCTTTAGTCCCGTTGGTGTTACGAACCGGGATTAAAGAT
 CCGGTTGGTAACACCAACCGGGA 1.38199 1
 repeat_sense, intron_sense,
 LOC_Os06g22430.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os08g31649.1, LOC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os08g23829.1, 5587
 84796 39999 chr07|11977:22148488-22148592:1
 CTAAGCTTGAGCTCGACACGAGCTCGAGCCGAGCTCGAGCCGAGCCTATTGCACCTTCGAG
 CTTTTAGGCAAGCTCGGTTGAGCTCGTTCGAGCTCGAGCTCGG GAGCTCGACACGAGCTCGAG
 0.44467 1 repeat_sense, igr_sense,
 LOC_Os02g13060.1, LOC_Os10g31040.2, LOC_Os01g37970.1, LOC_Os10g31040.4, LOC_Os02g33370.1, LOC_Os11g11810.1, LOC_Os10g35370.2, LOC_Os08g04790.1, LOC_Os02g09770.2, LOC_Os11g40810.1, LOC_Os10g31040.1, LOC_Os10g35370.1, LOC

_Os10g31040. 5, LOC_Os02g09770. 1, LOC_Os10g31040. 3, LOC_Os02g33460. 1, LOC_Os01g38110. 1, 103

84808 127 chr07|11977:22439836-22439928:1
 GGTGTTACCAACCGGGACTAAAGATCGATCTTTACTCCCGGTTATTTCACCCGGGACTAAA
 GATAGCGATCTTTAGTCCCGGATTGGTACTCC ACCAACCGGGACTAAAGATC 0.267326
 1 repeat_sense, igr_sense,
 LOC_Os06g22430. 1, LOC_Os07g14430. 1, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os02g54830. 1, LOC_Os12g13480. 1, LOC_Os04g06630. 1, LOC_Os08g26860. 1, LOC_Os11g14740. 1, LOC_Os01g04150. 1, LOC_Os05g18294. 4, LOC_Os08g13430. 1, LOC_Os10g30350. 1, LOC_Os01g20950. 1, LOC_Os08g23829. 1, LOC_Os12g40700. 1, LOC_Os04g37420. 1, LOC_Os10g01560. 1, LOC_Os07g14480. 1, 12371

84863 40003 chr07|11977:23837759-23837847:1
 TCTGGATGGTCTGCTCCAGTGGAGAAGCAAGTTACGAGTAATGGGGGAAACCAGTCGGTTG
 CTTCTTCATCTGGTGCAGATTATGCTGA TCTGCTCCAGTGGAGAAGCA 0.960694 1
 exon_sense, cds_sense,
 LOC_Os05g01310. 2, LOC_Os03g25390. 2, LOC_Os05g01310. 3, LOC_Os03g25390. 1, LOC_Os05g23600. 2, LOC_Os12g02640. 1, LOC_Os02g35310. 1, LOC_Os05g01310. 1, LOC_Os03g46410. 1, LOC_Os02g12390. 1, LOC_Os05g01240. 2, LOC_Os05g23600. 1, LOC_Os05g01240. 4, LOC_Os05g25640. 1, LOC_Os05g01240. 1, LOC_Os05g05250. 1, LOC_Os05g01240. 3, 4

84920 3263 chr07|11977:25323061-25323127:1
 TTTTTTTTGCATCTAGGTCCCTTGCCGCCCTCTAGGAGAGAGGCAAGGGACCTAGATGCAA
 AAAAAA TTGCATCTAGGTCCCTTGCC 0.0776742 1 repeat_sense, igr_sense,
 LOC_Os12g40820. 1, LOC_Os01g60610. 1, LOC_Os10g02850. 1, LOC_Os08g42660. 1, LOC_Os10g20000. 1, LOC_Os06g40470. 1, LOC_Os02g38570. 1, LOC_Os04g27510. 1, LOC_Os09g12140. 1, LOC_Os08g42130. 1, LOC_Os10g12470. 1, LOC_Os02g13010. 1, LOC_Os12g14240. 1, LOC_Os09g13690. 1, LOC_Os04g19730. 1, LOC_Os08g09150. 1, LOC_Os09g26120. 1, LOC_Os02g38670. 1, LOC_Os01g34820. 1, LOC_Os09g04940. 1, LOC_Os03g57470. 1, LOC_Os09g11490. 1, LOC_Os02g07400. 1, LOC_Os11g10210. 1, LOC_Os09g07760. 1, LOC_Os04g31510. 1, LOC_Os04g13310. 1, LOC_Os04g35320. 1, LOC_Os07g10060. 1, LOC_Os08g19500. 1, LOC_Os01g40800. 1, LOC_Os02g46050. 1, LOC_Os01g25900. 1, LOC_Os09g19300. 1, LOC_Os09g31960. 1, LOC_Os02g41720. 1, LOC_Os09g09780. 1, LOC_Os01g13900. 1, LOC_Os04g14940. 1, LOC_Os09g11810. 1, LOC_Os02g26100. 1, LOC_Os11g28780. 1, LOC_Os01g25590. 1, LOC_Os03g24120. 1, LOC_Os05g43740. 1, LOC_Os03g59780. 1, LOC_Os08g24720. 1, LOC_Os04g44490. 1, LOC_Os10g08910. 1, LOC_Os02g26930. 1, LOC_Os08g03960. 1, 304

84964 51 chr07|11977:26028113-26028220:1
 TATGCAAAAAACGGGTGGACGTCCACCCGAGAGATTAGAATCTATCTTCTTTTTCATAGG
 GAAACTATTTTAAGCACTTGGGTGGACGTCCACCCATTTCTTGATA
 AACGGGTGGACGTCCACCCGAG 1.37353 1 repeat_sense, igr_sense,
 LOC_Os06g12450. 1, LOC_Os02g14800. 2, LOC_Os01g62260. 1, LOC_Os02g45900. 1, LOC_Os02g51070. 1, LOC_Os04g13890. 1, 292

85107 395 chr07|11977:29100615-29100702:1
TACTCCCTCTGTCCCAGAATAAGTTAATCTAGTACTAGGATGTGTTACATCCAGCACTTGA
TTAACTTATTCTGGGACAGAGGAAGTA TCCCTCTGTCCCAGAATAAG 0.154821 1
repeat_sense, igr_sense,
LOC_Os03g22050.1, LOC_Os04g33720.1, LOC_Os12g16350.10, LOC_Os07g28260.2,
LOC_Os12g41800.1, LOC_Os11g09260.1, LOC_Os09g16220.1, LOC_Os10g07340.1, L
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C_Os10g10170.2, LOC_Os07g28260.4, LOC_Os02g40870.2, LOC_Os03g01240.1, LOC
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Os06g30280.1, LOC_Os06g25260.1, LOC_Os04g47140.1, LOC_Os12g41800.2, LOC_O
s03g17050.1, LOC_Os04g24950.1, 570

85137 249 chr08|11978:93586-93740:1
AAATCATGTAGCGCTGAACATAGACACTTCAACGCCACGTCAATTGACGCTGAATGCCGTG
CTACCACGGATGAAAGGCTAAGTCAGCGTGCCAATGAACATTTAGCGCCATACTATTTAGTGTTGAGGT
GTCTAAATTCAGCGCCACATGATTT GCGCTGAACATAGACACTTCAAC 0.738939 1
repeat_sense, igr_sense,
LOC_Os04g03860.1, LOC_Os02g53970.1, LOC_Os03g01110.1, LOC_Os06g11360.1,
99

85219 993 chr08|11978:1244409-1244551:1
CCACTTTTACCTACGTGGCATGCCAAGGTGGCAATCAGGGTCGACGAGGGAGAAGATGGAG
GGGAGATAGAGACTGACCAGTAGGTCCCACGTCGTTTTTACCCTAGATATCCACGTTGGCATGCCACG
TGGACAAAAGTGG CTACGTGGCATGCCAAGGTGGC 0.506188 1
repeat_sense, igr_sense,
LOC_Os07g30260.1, LOC_Os08g31400.1, LOC_Os12g22690.1, LOC_Os06g38140.1, L
OC_Os07g45120.1, LOC_Os09g13320.1, LOC_Os11g45750.2, LOC_Os05g27990.1, L
C_Os04g30020.1, LOC_Os11g45750.1, LOC_Os01g25210.1, LOC_Os08g15670.1, LOC
_Os07g14420.1, LOC_Os03g49990.1, LOC_Os11g45920.1, LOC_Os09g08690.1, 145

85265 10231 osa-MIR160c chr08|11978:1701223-1701323:1
GGGAATGTGCCTGGCTCCCTGTATGCCACTCATCTAGAGCAACAACTTCTGCGAGAGGTT
GCCTATGATGGATGGCGTGACGGAGCCAAGCATATTCCC TGCCTGGCTCCCTGTATGCCAC
0.302374 1 igr_sense, HASH(0x17bf83f8)
LOC_Os10g33940.1, LOC_Os04g47870.1, LOC_Os05g24400.1, LOC_Os06g47150.1, L
OC_Os06g47150.2, LOC_Os04g59430.1, LOC_Os04g43910.1, LOC_Os02g41800.1, L
C_Os07g26730.1, LOC_Os04g23970.1, LOC_Os09g29160.1, 12

85366 127 chr08|11978:2854714-2854842:1
CTTTAGTCCCGTTTGTGTTACCAACCGGGACTAAAGATCATCTTTAGTCCCGGTTCGAAT
GCTGTCAGGGCCTGTCAGGCCCCCGGGATCTTTAGTCCCGGTTGGTGCTACCAACCGGGACTAAAG
CCGGTTTGTGTTACCAACCGGGA 0.570646 1
repeat_sense, intron_sense,
LOC_Os08g45200.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, L
OC_Os05g18294.4, LOC_Os08g23829.1, 4040

85381 395 chr08|11978:3056575-3056700:1
GAATGTTACTCCCTCCGTCCCATATAAGGGATATTGGAGGGATGTGCTGTTTCAGATTC
GTAGTACTAGGAATTGTCACATCCCTCCAAAAACCTTATATTATGGGACGGAGGGAGTAGATTC

TGTTACTCCCTCCGTCCCATATA 0.295665 1

repeat_sense, intron_sense,

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85416 739 chr08|11978:3448457-3448624:1
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GTAAGCCCGGTAACCGCGGTAACCGCGCGGTTACCGGCATCGCGCGGTAACCGCGGTAA 1.00186
1 repeat_sense, igr_sense,
LOC_Os12g39540.1, LOC_Os12g02520.1, LOC_Os06g33620.1, LOC_Os01g49550.1, L
OC_Os04g17480.1, LOC_Os03g19090.1, LOC_Os02g42980.1, LOC_Os01g01550.1, L
C_Os03g43130.1, LOC_Os01g60750.1, LOC_Os09g26680.1, LOC_Os01g06620.1, LOC
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01g33930.1, LOC_Os08g02930.1, LOC_Os11g02600.1, LOC_Os01g58330.1, 186

85480 213 chr08|11978:4516225-4516402:1
CTGGTTTCTGTGTCCAACGTTTCGACTGTCCGCTTATTTGAAAAAGTTATGAAAAAATAA
AAAGACAAGTCACGCATAAAATATTAATCATGTTTATAATCTAACAACAATAAAATACAAATTATAA
AAAAATTTTCATATAAAACGGACAGTCAAAGTTGGACACGGAAATCCAG
GTGTCCAACGTTTCGACTGTCCGT 1.35648 0 repeat_sense, igr_sense,
LOC_Os04g20474.2, LOC_Os10g07340.1, LOC_Os10g10170.4, LOC_Os09g19229.1, L
OC_Os10g10170.2, LOC_Os03g12620.1, LOC_Os09g02214.3, LOC_Os04g20474.1, L
C_Os11g24120.1, LOC_Os11g37540.1, LOC_Os02g02100.1, 895

85496 127 chr08|11978:4750141-4750243:1
GGGATCTTTAGTCCCGGTTGGTAGATCGTAACCTTAGTCCCGGTTGGTAAGATCCCGGTGA
TCTTTAGCCCCGGTTGGTGCTACCAACCGAGACTAAAGTCCC ATCTTTAGTCCCGGTTGGTAGA
0.194947 1 repeat_sense, igr_sense,
LOC_Os02g16630.1, LOC_Os07g14430.1, LOC_Os11g35750.1, LOC_Os10g08660.1, L
OC_Os02g50650.1, LOC_Os08g02990.1, LOC_Os09g17360.1, LOC_Os12g17280.1, L
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_Os01g52590.1, LOC_Os10g01560.1, LOC_Os08g27180.1, 13082

85565 40131 chr08|11978:5549571-5549702:1
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AAATCATAGGGGAGGAAGCCAACGAGCACTGAAGGAGGGGAGCAGTGGTGGCGGAGGCGACGGTGGAGT
GG CACCGTCGTCGCTGCCACAC 0.444337 1 igr_sense,
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02g20760.1, LOC_Os06g11760.1, LOC_Os08g44520.2, LOC_Os04g51290.1, LOC_Os0
2g47240.1, LOC_Os03g42190.1, 21

85585 1523 chr08|11978:5881146-5881279:1
CGTTGAGACCTCAGCGCCAAGTTATTTGGCGCTGAGCTATGATGACTCAACGAAATAACGC
CATCTCGGATTAGAGCGAGGTTGGCGCTAAACGTTATAGCTTAGCGCCAAGGTCAATGGCGCTGAGTC

AACG CTCAGCGCCAAGTTATTTGGCGCTG 1.08758 0
repeat_sense, intron_sense,
LOC_Os03g20400.1, LOC_Os08g41870.1, LOC_Os01g28720.1, LOC_Os02g28880.1, LOC_Os07g26560.1, LOC_Os04g25430.1, LOC_Os11g20780.1, LOC_Os03g26329.1, LOC_Os02g34280.1, LOC_Os10g42900.1, LOC_Os04g43300.1, LOC_Os01g71940.1, LOC_Os03g18060.1, LOC_Os06g34920.1, LOC_Os03g28360.1, 177
85636 127 chr08|11978:6612580-6612665:1
CTTTAGTCCCGTTGGTGCTACCAACCAGGTATAAAGATCAAGTTTGATCTTTATACCCGG
TTGGTAGTACCAACTGGTACTAAAG TCCCGTTGGTGCTACCAACCAGG 0.0163122 1
repeat_sense, igr_sense,
LOC_Os06g30860.1, LOC_Os09g32680.3, LOC_Os09g32680.2, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os09g32680.1, LOC_Os05g16280.1, LOC_Os05g18294.4, LOC_Os08g23829.1, 4593
85647 437 chr08|11978:6726975-6727052:1
GATGAGGGTCATCGGTGACGGGCTACAAATATGGCCCGATTGAGATAACTTTAAAGCCTGT
CACCGATGACTCATATC AGGGTCATCGGTGACGGGCTA 0.780747 1
repeat_sense, igr_sense,
LOC_Os07g31560.1, LOC_Os09g25150.1, LOC_Os08g34280.1, LOC_Os02g14450.1, LOC_Os09g25150.3, LOC_Os03g13080.1, LOC_Os09g04050.1, LOC_Os09g25150.2, LOC_Os07g38190.1, LOC_Os08g08440.1, LOC_Os02g45880.1, 604
85656 213 chr08|11978:6797214-6797380:1
TGGGTTTCCGTGTCCAACGTTTGACTGTCCATCTTATATGAAATTTTTTTATAATTAGTAT
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1.07995 1 repeat_sense, igr_sense,
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85741 40177 chr08|11978:7634974-7635120:1
GAAGAGGCAGAGAGCAGGATGCAGCCAAGGATGACTTGCCGGCCGGCGATGGCCGACGGCG
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CTTGCTCTCTTCTCGTC GAGAGCAGGATGCAGCCAAGG 0.587115 1
igr_sense,
LOC_Os05g05160.1, LOC_Os07g23260.1, LOC_Os05g20470.1, LOC_Os02g01970.1, LOC_Os01g08460.1, LOC_Os10g39936.1, LOC_Os09g24924.1, LOC_Os02g31290.1, LOC_Os05g40630.1, LOC_Os06g30060.1, LOC_Os05g38250.1, LOC_Os06g13610.1, 17
85755 101 chr08|11978:7719235-7719380:1
AATTTTACGATCCTTGAGGAGGTACCATGAGGTACCACTTTTTCTATTGTAAATTTGGTAC
CTCTTGGTACCTAAGTACTATGAGGTACTAAATTTTACACTAAATTTTGGTACCTCATGGTATTTTCT
CAAGGACCGTAGAATT TCCTTGAGGAGGTACCATGAGGTAC 0.633908 1

intron_antisense, repeat_sense,
LOC_Os09g39740.1, LOC_Os03g03860.1, LOC_Os09g09400.1, LOC_Os01g49730.1, LOC_Os12g25180.1, LOC_Os01g33800.1, LOC_Os05g03480.3, LOC_Os03g27930.1, LOC_Os11g24270.1, LOC_Os06g08300.1, LOC_Os11g27240.1, LOC_Os07g06980.1, LOC_Os09g30474.1, LOC_Os08g01070.1, LOC_Os12g34990.1, LOC_Os12g03720.1, LOC_Os01g55974.3, LOC_Os09g39740.2, LOC_Os03g42230.1, LOC_Os11g13750.1, LOC_Os03g03860.3, LOC_Os02g31840.1, LOC_Os07g45160.1, LOC_Os10g42950.3, LOC_Os05g35130.1, LOC_Os05g34980.1, LOC_Os08g39160.1, LOC_Os03g03860.2, LOC_Os01g66760.1, LOC_Os11g15450.1, LOC_Os04g09620.1, LOC_Os05g15150.1, LOC_Os05g08560.1, 460

85758 127 chr08|11978:7739527-7739712:1

TTCGAGTTGATGTTACCAACCGGGACTAAAGATCAATTTTTATTCCACCAATCTCACCAATCTGGACTAAAGATACTTTAGTCCCGATTGGTGTTAACAAAGATCCTCCATCTTTAATCCGGATTGGTGTACCAACCGGAATAAAGATCAATGTTTAGTCCCGTTGGTAACACCAACCGGA

TGTTACCAACCGGGACTAAAGA 0.424199 1 repeat_sense, igr_sense,
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85771 127 chr08|11978:7890832-7890963:1

TTTGTAGTCCCGTTTGTGTTACCAACCGGGACTAAAGATCATCTTTAGTCCCAGTTCGAATGCTGTCAGGTCATGTCAGGCCCCCCCCCCGGGATCTTTAGTCCCGTTGGTGCTACCAACCGGGACTAAG CCGGTTTGTGTTACCAACCGGGA 0.983988 1 repeat_sense, igr_sense,
LOC_Os08g45200.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os05g18294.4, LOC_Os08g23829.1, 4040

85841 127 chr08|11978:8647088-8647184:1

TATTGATCTTTAGTCCCGTTGGTGTTACCAACCGGGAAGAGAGGAATCTTTAGTCCCGTTGATAACACCAACCAGGACTAAAGAGATAGTA TGATCTTTAGTCCCGTTGGTGTTA

1.14942 1 repeat_sense, igr_sense,
LOC_Os02g16630.1, LOC_Os03g27080.2, LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os08g02990.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os12g17280.1, LOC_Os04g06630.1, LOC_Os05g44050.1, LOC_Os11g36280.1, LOC_Os05g18294.4, LOC_Os03g27080.1, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os12g22910.1, LOC_Os01g38580.1, LOC_Os10g01560.1, 14958

85959 25 chr08|11978:9965193-9965293:1

GTAACGATCTTCGTAGGCGGGCGGTCAGCCTGCGAAGATAGTAAACCCTACTCGGCATAATAATCTTCGAGGCGACCGCCTGCCTGCGAAGATTTTGC ATCTTCGTAGGCGGGCGGTC

0.415525 1 repeat_sense, igr_sense,
LOC_Os11g39920.1, LOC_Os01g29860.1, LOC_Os04g51280.1, LOC_Os10g20990.1, LOC_Os06g02600.1, 83

86022 61 chr08|11978:10677917-10677989:1
TTGGCACTGTTTGGCACAGCTCCAGCTCTAGCTCCATCTTCTTGGAGCTGGAGCTCAGCC
AAACAGTTTCAG ACTGTTTGGCACAGCTCCAGCTC 0.596233 1
repeat_sense, igr_sense,
LOC_Os04g52880.1, LOC_Os04g44290.1, LOC_Os09g28700.1, LOC_Os07g08190.1, LOC_Os12g32730.1, LOC_Os07g22120.1, LOC_Os09g33470.2, LOC_Os03g20190.1, LOC_Os11g45010.1, LOC_Os04g25400.1, LOC_Os01g39050.1, LOC_Os04g58160.1, LOC_Os02g18880.1, LOC_Os06g38780.1, LOC_Os02g15530.1, LOC_Os08g40630.1, LOC_Os02g08410.1, LOC_Os02g40739.1, LOC_Os09g33470.1, LOC_Os07g45070.1, LOC_Os08g25420.1, LOC_Os04g43916.1, LOC_Os11g16640.1, LOC_Os10g31910.1, LOC_Os08g05040.1, LOC_Os07g45070.2, LOC_Os07g30210.1, LOC_Os10g08990.1, LOC_Os01g73860.1, LOC_Os01g73640.1, 1511

86092 395 chr08|11978:11533969-11534050:1
GTGTTGTA CTCTTCGTC CCAAAAAAAAAAACCCAA CCTAGTATGGGATGGGCTTTTTTT
GGGACGGAGGGAGTACTTCAT GTACTCCTTCGTC CCAAAAAAAAA 1.04189 1
igr_sense,
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86239 5041 chr08|11978:13555971-13556078:1
TCGATCAGGATCCTGCCGGTCAGACCGTCGGGCCGGTCGGTCTGACCGCCGAACACCTAC
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GGATCCTGCCGGTCAGACCG 0.967954 1 repeat_sense, igr_sense,
LOC_Os06g28310.1, LOC_Os11g25120.1, LOC_Os11g28410.1, LOC_Os05g16800.1, LOC_Os10g33950.1, LOC_Os03g52930.1, LOC_Os07g28450.1, LOC_Os07g40630.1, LOC_Os09g13110.1, LOC_Os06g12590.2, LOC_Os12g18190.1, LOC_Os05g14520.1, LOC_Os03g32260.1, LOC_Os02g36050.1, LOC_Os04g50164.1, LOC_Os08g39550.1, LOC_Os07g24100.1, LOC_Os11g33150.1, LOC_Os09g01480.1, LOC_Os04g14490.1, LOC_Os06g12590.3, LOC_Os09g15230.1, LOC_Os01g25650.1, LOC_Os01g38870.1, LOC_Os12g12760.1, LOC_Os12g20240.1, 168

86310 25 chr08|11978:14524908-14524997:1
 ATAGGAAAAATGATCTTCGTAGGCGGACCGCCCGGTGCGAAGATCATCTTCGAGGCGGA
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 repeat_sense, igr_sense,
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86359 213 chr08|11978:15485723-15485898:1
 GGGTTTCCGTGTCCAACGTTGACTGTCCGTTTATATGAAATTTTTTATAATTAGTATT
 TTCATTGTTGTTAGATGATAAAACATGATTAATACTTTATGCGTGACTTGTCTTTTAAATTTTTCATA
 ATTTTTTCAAATAAGACGGACAGTCAAACGTTGGACACGGAAACCC
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86417 5127 chr08|11978:16188809-16188944:1
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86442 127 chr08|11978:16463814-16463908:1

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86452 127 chr08|11978:16573206-16573303:1

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86624 679 chr08|11978:18726426-18726533:1

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86842 6133 osa-MIR156f chr08|11978:21345388-21345573:1

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LOC_0s02g07780. 1, LOC_0s06g49010. 1, LOC_0s06g49010. 4, LOC_0s08g39890. 1, LOC_0s02g04680. 1, LOC_0s06g06850. 1, LOC_0s07g32170. 1, LOC_0s06g45310. 1, LOC_0s06g49010. 2, LOC_0s11g30370. 1, LOC_0s08g41940. 1, LOC_0s02g04680. 2, LOC_0s12g25490. 1, LOC_0s02g07780. 2, LOC_0s09g31438. 1, LOC_0s06g49010. 3, LOC_0s09g32944. 1, LOC_0s09g03670. 1, LOC_0s07g32170. 2, LOC_0s06g49010. 5, LOC_0s01g69830. 1, LOC_0s04g46580. 1, 36

86892 127 chr08|11978:22107795-22107906:1

ATAAAGATCGTAACCTTAGTCCCGGTTGGTGTACCAACCGGGGCTAAAGATCCCGGCGAT
CTTTAGCCCCGGTTCATAACCAACCGGGACTAAAGTTCCACCCCTTTAT

TAACTTTAGTCCCGGTTGGTG 0.123356 1 repeat_sense, igr_sense,

LOC_0s10g08660.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s05g18294.4, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s01g38580.1, LOC_0s10g01560.1, LOC_0s08g27180.1, 7992

86912 443 chr08|11978:22372846-22373030:1

GTTGAAACAAAATCCAACAGCTATCTTGGCAAGGTCATCTTCCCTTTAGAGAAAGGGAGCC
TTTGCTCAAAAACAGAGGATAGAAAGAGAGAATGAGAGTTCAAATGTCAGTGGTGTGTAAAGAAAAGTG
GATGAGAATGGGAAGGGATCCCCTTGCCAAGATAGCTGTTGGATTTTGTTCGAAC

AATCCAACAGCTATCTTGGCA 0.79411 1 igr_sense,

LOC_0s06g27490.1, LOC_0s09g07080.1, LOC_0s10g24220.1, LOC_0s01g70570.1, LOC_0s08g19950.1, LOC_0s08g22510.1, LOC_0s08g29770.1, LOC_0s05g18010.1, LOC_0s04g59510.1, LOC_0s02g57990.1, LOC_0s05g08130.1, LOC_0s12g11310.1, LOC_0s03g37180.1, LOC_0s05g22340.1, LOC_0s01g19640.1, LOC_0s12g24820.1, LOC_0s04g11680.1, LOC_0s07g20660.1, LOC_0s11g34880.1, LOC_0s01g70570.2, LOC_0s08g12140.1, LOC_0s04g18520.1, LOC_0s04g03260.1, LOC_0s08g02890.1, LOC_0s02g11090.1, LOC_0s08g21490.1, LOC_0s08g02380.1, LOC_0s01g34760.1, LOC_0s10g13470.1, LOC_0s11g02910.1, 17

86919 127 chr08|11978:22436762-22436856:1

TGTAACCTTTAGTCCCGGTTGGTATTACCAACCGGGACTAAAGATCCCGGTGATCTTTAGCC
CCGATTGGTGCTACCAACCGGGACTAAAGTCCCA AACTTTAGTCCCGGTTGGTATT

0.383219 1 repeat_sense, igr_sense,

LOC_0s11g35750.1, LOC_0s10g08660.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s11g36280.1, LOC_0s05g18294.4, LOC_0s08g13430.1, LOC_0s01g20950.1, LOC_0s01g38580.1, LOC_0s10g01560.1, 9423

86969 10095 chr08|11978:23130968-23131127:1

ACATGATACGTGATAGGAATCGCCTAATACCTTATAGGTATCAGGTATCACCTGATACCTC
GCAAGTATCGCCTGATACCGGTAAGGTATCAGGACCTAATACCTAACATGTATCAAGTATAACCATCAA
GTATCAGGCGATTCTTACCACGTATCAGGT TGATACGTGATAGGAATCGCCT 0.539152 1

repeat_sense, intron_sense,

LOC_0s05g09720.1, LOC_0s02g32920.1, LOC_0s10g36229.1, LOC_0s03g40080.1, LOC_0s11g09050.1, LOC_0s06g16740.1, LOC_0s08g28070.1, LOC_0s08g33030.1, LOC_0s08g34920.1, LOC_0s01g11200.1, LOC_0s01g48580.1, LOC_0s03g11940.1, 88

86970 797 chr08|11978:23131031-23131242:1

AAGTATCGCCTGATACCGGTAAGGTATCAGGACCTAATACCTAACATGTATCAAGTATAAC
CATCAAGTATCAGGCGATTCTTACCACGTATCAGGTAATACTTGCAAGGTATCAGATGATACCTATTAA
GTATCATGCGATTTTACCACATAGATGGTGATACTTGCGATGTATCATGTCCTGATACCTAGCCGGTA
TCGGGTGATACTT TGATACCGGTAAGGTATCAGGAC 0.570838 1

exon_sense, repeat_sense, cds_sense,

LOC_0s04g38990.1, LOC_0s10g36229.1, LOC_0s07g36510.1, LOC_0s03g16000.1, LOC_0s01g49750.1, LOC_0s08g36830.1, LOC_0s12g22470.1, LOC_0s08g33030.1, LOC_0s11g15540.1, 147

86989 127 chr08|11978:23368522-23368658:1

TGATTTTAAATCCCGATTGGTAACACCAACCAGGACTAAAAATCATTTTGTAGTCCCGGTTTC
ATTCCCTGTCAGTAGGATGTCAGGGGGCCGAGGATCTTTAATCCTGGTTGGTGTACCAACCGGGACTA

AAGATCA TCCCGATTGGTAACACCAACC 0.572971 1 repeat_sense, igr_sense,
LOC_0s06g22430.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s12g13480.1, L
OC_0s04g06630.1, LOC_0s08g13430.1, LOC_0s03g26630.2, LOC_0s08g23829.1, L
C_0s03g26630.1, 3510

87030 40505 chr08|11978:23981539-23981635:1

GACCCCTCGTCGCTGACGAGTGGGGCCACCCGATGGTGGGGGATTATAAAAGAACCAGTGGT
TGGTGGTGGTCCCACCTCGTCAGTGGCGTGATGGTT CTCGTCGCTGACGAGTGGGGCCA

0.754834 1 igr_sense,

LOC_0s08g23230.1, LOC_0s02g31960.3, LOC_0s09g25810.1, LOC_0s10g39480.1, L
OC_0s10g08800.1, LOC_0s10g31390.1, LOC_0s03g56960.1, LOC_0s08g35530.1, L
C_0s07g22140.1, LOC_0s06g06670.1, LOC_0s04g45420.1, LOC_0s07g48060.1, LOC
_0s03g17510.1, LOC_0s08g44110.1, LOC_0s11g44890.1, LOC_0s04g55350.1, LOC
_0s09g35910.1, LOC_0s04g45390.1, LOC_0s07g32620.1, LOC_0s02g31960.2, LOC_0
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08g31140.1, LOC_0s05g45180.2, LOC_0s12g05450.1, LOC_0s02g31960.4, LOC_0s0
1g18100.1, LOC_0s07g32630.1, LOC_0s05g45180.1, LOC_0s10g31780.1, LOC_0s09
g25810.2, LOC_0s07g02090.1, LOC_0s12g38480.2, LOC_0s02g33890.1, LOC_0s02g
31960.1, LOC_0s03g41110.1, 1174

87051 10231 osa-MIR160f chr08|11978:24264039-24264137:1

GGATTAACGCTGCCTGGCTCCCTGAATGCCATCCGAGAAGCGTGCCGCTGTGGCCGGCTGC
TTCCTGGTTGGCATTGAGGGAGTCATGCAGGGTTTGTCTGCCTGGCTCCCTGAATGCCA 1

igr_sense, HASH(0x180f4d88)

LOC_0s10g33940.1, LOC_0s09g38910.1, LOC_0s06g47150.1, LOC_0s06g47150.2, L
OC_0s04g59430.1, LOC_0s06g49030.1, LOC_0s03g01740.1, LOC_0s04g43910.1, L
C_0s02g41800.1, LOC_0s05g07470.1, LOC_0s03g47830.1, LOC_0s06g49030.2, LOC
_0s09g29160.1, 14

87060 589 chr08|11978:24518985-24519091:1

CCCCAAATATAAGAACCTAGGACTGGATGGGATATTTGCTAGTACTACGAATCTGGATAGT
AGTACTAGGAAATGTTCCATCCAGTTCTAGGTTCTTATATTTTAGG

AAGAACCTAGGACTGGATGGGATAT 0.576976 1repeat_sense, igr_sense,
LOC_0s07g16670.1, LOC_0s12g26950.1, LOC_0s06g38930.1, LOC_0s10g21830.1, L
OC_0s11g37180.1, LOC_0s07g45790.1, LOC_0s01g71670.1, LOC_0s11g02400.1, L
C_0s10g15170.1, LOC_0s10g06350.1, LOC_0s12g08450.1, LOC_0s01g01270.1, LOC
_0s06g36730.1, LOC_0s10g20180.1, LOC_0s08g22450.1, LOC_0s06g38780.1, LOC
_0s09g19610.1, LOC_0s07g09460.1, LOC_0s08g32510.1, LOC_0s05g31860.1, LOC_0
s01g16500.1, LOC_0s03g29085.1, LOC_0s11g18290.1, LOC_0s07g37860.1, LOC_0s
10g06400.1, LOC_0s09g18540.1, LOC_0s12g33720.1, LOC_0s11g27180.1, LOC_0s0
1g19529.1, LOC_0s04g58450.1, LOC_0s09g09650.1, LOC_0s08g14960.1, LOC_0s08
g16230.1, LOC_0s05g34350.1, LOC_0s08g15370.1, LOC_0s12g42284.1, 177

87165 1523 chr08|11978:26304448-26304582:1

GGTGTCAGCGCCAAGTGCATTGGCGCTGAGGCCCTGCCACATCGCGCCTCGCCCGCCACGC
TGGCGCGATGTCAGCGCCAGTCCCGTTGGCGCAGATAAGAACAACCTCAGCGCCAACCGCTTTGGCGCT
GATCC CGCCAAGTGCATTGGCGCTG 0.267737 1

repeat_sense, cds_antisense, exon_antisense,

LOC_0s03g58660. 1, LOC_0s08g41870. 1, LOC_0s08g32800. 1, LOC_0s01g28720. 1, LOC_0s12g22860. 1, LOC_0s08g32470. 1, LOC_0s03g38530. 1, LOC_0s03g63990. 1, LOC_0s08g05360. 1, LOC_0s07g13140. 1, LOC_0s11g31410. 1, LOC_0s02g28880. 1, LOC_0s04g22370. 1, LOC_0s05g25600. 1, LOC_0s07g26560. 1, LOC_0s11g31760. 1, LOC_0s02g36540. 1, LOC_0s06g22300. 1, LOC_0s04g25430. 1, LOC_0s11g20780. 1, LOC_0s02g32600. 1, LOC_0s02g34280. 1, LOC_0s01g72620. 1, LOC_0s03g31870. 1, LOC_0s05g08890. 1, LOC_0s05g38540. 1, LOC_0s03g37394. 1, LOC_0s06g39530. 1, LOC_0s12g34210. 1, LOC_0s08g36710. 1, LOC_0s05g07310. 1, LOC_0s09g01970. 1, LOC_0s08g20760. 1, LOC_0s07g35930. 1, LOC_0s09g10360. 1, LOC_0s07g07600. 1, 131

87195 1421 osa-MIR169i chr08|11978:26670309-26670411:1

GCTCTGGTAGCCAAGGATGACTTGCCTGTGTCCTTGTGTAGAGGATCATTCAGAAAATGAG
CCTTGAAGTGGTTCATAGGCAGTCTCCTTGGCTAGTCTGAGT TAGCCAAGGATGACTTGCCTG
0.156112 1 igr_sense, HASH(0x18187414)

LOC_0s07g28560. 1, LOC_0s07g41720. 2, LOC_0s03g48970. 3, LOC_0s03g07880. 2, LOC_0s03g44540. 1, LOC_0s12g42400. 1, LOC_0s03g48970. 1, LOC_0s03g29760. 3, LOC_0s11g10770. 1, LOC_0s07g06470. 1, LOC_0s03g29760. 2, LOC_0s12g41460. 1, LOC_0s11g47650. 2, LOC_0s03g29760. 4, LOC_0s03g48970. 2, LOC_0s07g41720. 1, LOC_0s03g07880. 1, LOC_0s04g26400. 1, LOC_0s03g07880. 3, LOC_0s11g47650. 1, LOC_0s03g29760. 1, LOC_0s01g04640. 1, 33

87196 1421 osa-MIR169h chr08|11978:26674509-26674624:1

GCTCTGGTAGCCAAGGATGACTTGCCTGTGTCCTTGTGTGTAAGGATCATTAATTATTATT
CAGAAAATGATCCTTTCAGCAGGTTTCATGGGCAGTCTCCTTGGCTAGCCTGAGT
TAGCCAAGGATGACTTGCCTG 1 igr_sense, HASH(0x181a59f8)

LOC_0s07g28560. 1, LOC_0s07g41720. 2, LOC_0s03g48970. 3, LOC_0s03g07880. 2, LOC_0s03g44540. 1, LOC_0s12g42400. 1, LOC_0s03g48970. 1, LOC_0s03g29760. 3, LOC_0s11g10770. 1, LOC_0s07g06470. 1, LOC_0s03g29760. 2, LOC_0s12g41460. 1, LOC_0s11g47650. 2, LOC_0s03g29760. 4, LOC_0s03g48970. 2, LOC_0s07g41720. 1, LOC_0s03g07880. 1, LOC_0s04g26400. 1, LOC_0s03g07880. 3, LOC_0s11g47650. 1, LOC_0s03g29760. 1, LOC_0s01g04640. 1, 33

87198 1421 osa-MIR169m chr08|11978:26681055-26681193:1

GAGTCCTGGTAGCCAAGGATGACTTGCCTGTATATTTATATATATATGTGTGTGTGATCAA
TGGATGGATTGATCAAGCTGCTTGCAGGCTCATGCATATATATGTACAGGCAGTCTCCTTGGCTAGCCC
GGCTACCTC TAGCCAAGGATGACTTGCCTG 0.317212 1 igr_sense,
HASH(0x181c9df0)

LOC_0s07g28560. 1, LOC_0s07g41720. 2, LOC_0s03g48970. 3, LOC_0s03g07880. 2, LOC_0s03g44540. 1, LOC_0s12g42400. 1, LOC_0s03g48970. 1, LOC_0s03g29760. 3, LOC_0s11g10770. 1, LOC_0s07g06470. 1, LOC_0s03g29760. 2, LOC_0s12g41460. 1, LOC_0s11g47650. 2, LOC_0s03g29760. 4, LOC_0s03g48970. 2, LOC_0s07g41720. 1, LOC_0s03g07880. 1, LOC_0s04g26400. 1, LOC_0s03g07880. 3, LOC_0s11g47650. 1, LOC_0s03g29760. 1, LOC_0s01g04640. 1, 33

87199 1421 osa-MIR169l chr08|11978:26684649-26684749:1

CTCTGATAGCCAAGGATGACTTGCCTGTGTCCTCCCTGAAGGATTAGCAATTTAATGATCC
TTTAAGCTGGTTCATGGGCAGTCTCCTTGGCTAGCCTGAG TAGCCAAGGATGACTTGCCTG
1 igr_sense, HASH(0x181e8f18)

LOC_Os07g28560. 1, LOC_Os07g41720. 2, LOC_Os03g48970. 3, LOC_Os03g07880. 2, LOC_Os03g44540. 1, LOC_Os12g42400. 1, LOC_Os03g48970. 1, LOC_Os03g29760. 3, LOC_Os11g10770. 1, LOC_Os07g06470. 1, LOC_Os03g29760. 2, LOC_Os12g41460. 1, LOC_Os11g47650. 2, LOC_Os03g29760. 4, LOC_Os03g48970. 2, LOC_Os07g41720. 1, LOC_Os03g07880. 1, LOC_Os04g26400. 1, LOC_Os03g07880. 3, LOC_Os11g47650. 1, LOC_Os03g29760. 1, LOC_Os01g04640. 1, 33

87262 101 chr08|11978:27291177-27291326:1

TTTACGGTCGTTGAGGAGGTACCATGAGGTACCACTTTTTCTATTGTAAATTTGGTACTTC
TTAATACCTAGTTACTATGAGGTACCATGAGGTACCAAATTTTCACTAAATTTTGGTACCTCATGGT
ACCTCCTTAAGTACCGTAGA TTGAGGAGGTACCATGAGGTAC 0.858145 1

repeat_sense, igr_sense,

LOC_Os01g49730. 1, LOC_Os12g25180. 1, LOC_Os12g37910. 2, LOC_Os09g30474. 1, LOC_Os08g01070. 1, LOC_Os12g34990. 1, LOC_Os12g03720. 1, LOC_Os01g55974. 3, LOC_Os03g42230. 1, LOC_Os01g52380. 1, LOC_Os11g13750. 1, LOC_Os02g31840. 1, LOC_Os05g35130. 1, LOC_Os01g66760. 1, LOC_Os12g37910. 1, LOC_Os11g15450. 1, LOC_Os04g09620. 1, LOC_Os03g27054. 1, LOC_Os05g15150. 1, 412

87263 101 chr08|11978:27291250-27291319:1

TACTATGAGGTACCATGAGGTACCAAATTTTCACTAAATTTTGGTACCTCATGGTACCT
CCTTAAGTA ATGAGGTACCATGAGGTACCA 0.915389 1

repeat_sense, igr_sense,

LOC_Os10g07480. 1, LOC_Os01g49730. 1, LOC_Os07g46450. 2, LOC_Os04g47059. 1, LOC_Os10g10280. 1, LOC_Os12g25180. 1, LOC_Os01g55974. 3, LOC_Os03g42230. 1, LOC_Os10g38664. 1, LOC_Os02g50410. 1, LOC_Os05g35130. 1, LOC_Os01g66760. 1, LOC_Os11g15450. 1, LOC_Os09g28470. 1, LOC_Os04g09620. 1, LOC_Os03g27054. 1, LOC_Os11g14544. 4, LOC_Os05g15150. 1, LOC_Os07g46450. 1, LOC_Os04g57830. 1, 361

87412 127 chr09|11979:713308-713436:1

GGTTGGGGTTACCAACCGGGACTAAAGATCACCAACCGAGAGTAAAGATGATCTTTAGT
CCCGGTTGTCTATATGTCAGACCATGTCAGGCGGTTAGGATCTTTAGTCCCGGTTGGTAACCAACC

GGGTTACCAACCGGGACTAAA 0.251946 1 repeat_sense, igr_sense,

LOC_Os05g09210. 1, LOC_Os08g45200. 1, LOC_Os07g14430. 1, LOC_Os01g28080. 1, LOC_Os09g16060. 1, LOC_Os12g13480. 1, LOC_Os09g03939. 2, LOC_Os04g06630. 1, LOC_Os11g37610. 1, LOC_Os12g40960. 1, LOC_Os03g55890. 1, LOC_Os11g36280. 1, LOC_Os09g04470. 1, LOC_Os01g04150. 1, LOC_Os05g18294. 4, LOC_Os04g28650. 1, LOC_Os09g03939. 1, LOC_Os01g20950. 1, LOC_Os12g06960. 1, LOC_Os08g23829. 1, LOC_Os06g32290. 1, LOC_Os11g06630. 1, LOC_Os12g40700. 1, LOC_Os04g37420. 1, LOC_Os10g28550. 1, 6000

87618 395 chr09|11979:3237396-3237503:1

GCACAACGTATGTACTCCTTTCGTCGCCATAATATTAGGGATTTATTTTTCTTGCAAGAAA
AACTTAAAATCCTTATATTATGGGACGGAGGGAGTATAACTTTGTGC

TATGTACTCCTTTCGTCGCCATAATAT 0.577521 1 igr_sense,

LOC_Os03g22050. 1, LOC_Os12g27340. 1, LOC_Os11g41720. 1, LOC_Os08g03380. 1, LOC_Os03g10650. 1, LOC_Os06g37610. 1, LOC_Os12g16350. 10, LOC_Os09g16990. 1, LOC_Os09g37870. 1, LOC_Os11g03340. 1, LOC_Os10g22060. 1, LOC_Os02g32880. 1, LOC_Os11g09260. 1, LOC_Os09g16220. 1, LOC_Os10g21980. 1, LOC_Os08g31060. 1, LOC

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87651 1385 chr09|11979:3573621-3573761:1

TCGAGGCTCGCGAGCTGCTTGAGCTTGGCTCGCTGTAGACTCGGCTCGAGCTCGATTTCGTC
AACAAATTTGAGCCGAAGCTCAAGCCTAGCTCCAAGCTTGCGAGCTTGACGAGCCGAGCTCGAATAGCTCG
TCGAGCCCAGA CTCGCGAGCTGCTTGAGCTTGGCT 0.969964 1

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87742 1921 chr09|11979:4499240-4499341:1

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87797 127 chr09|11979:5039723-5039832:1

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TAACCTTTAGTCCCGTTGGTGTTA 0.291914 1 repeat_sense, igr_sense,
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87869 437 chr09|11979:5811296-5811396:1

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0.102196 1 repeat_sense, igr_sense,

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87884 127 chr09|11979:5931897-5931983:1

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87971 101 chr09|11979:6736178-6736339:1

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87972 101 chr09|11979:6736186-6736331:1

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87977 40767 chr09|11979:6813547-6813645:1

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1 repeat_sense, igr_sense,

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88022 8207 chr09|11979:7038430-7038590:1
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 1 repeat_sense, igr_sense,
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 88066 127 chr09|11979:7715459-7715551:1
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 88116 101 chr09|11979:8323278-8323422:1
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88143 679 chr09|11979:8433100-8433207:1

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88306 127 chr09|11979:9806109-9806187:1

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88346 127 chr09|11979:10309058-10309153:1

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89305 1421 osa-MIR169k chr09|11979:19791653-19791806:1
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91294 42021 chr10|11980:10720648-10720772:1

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28710. 1, LOC_Os07g28090. 1, LOC_Os02g30140. 1, LOC_Os01g29240. 1, LOC_Os02g0
1790. 2, LOC_Os04g45970. 1, LOC_Os02g01790. 1, LOC_Os09g14540. 1, LOC_Os06g35
590. 1, 15824

92120 25 chr10|11980:16310547-16310604:1

CGATTTTTGCAGGCGGACCTCTTAAGTGGACCCTTAAGAGGTCCGCTTGCATAATTG

TTTTGCAGGCGGACCTCTTA 0.802046 1

intron_antisense, repeat_sense,

LOC_Os05g16500. 1, LOC_Os01g18480. 1, LOC_Os06g09580. 1, LOC_Os09g37630. 1, L
OC_Os01g35320. 1, LOC_Os04g56380. 1, LOC_Os02g09950. 1, LOC_Os09g28330. 1, LO
C_Os05g45970. 1, LOC_Os01g51180. 1, LOC_Os08g28270. 1, LOC_Os10g23030. 1, LOC
_Os05g01770. 1, LOC_Os10g42600. 1, LOC_Os03g56942. 1, LOC_Os01g64420. 1, LOC_
Os11g09120. 1, LOC_Os11g12430. 1, LOC_Os01g40230. 1, LOC_Os04g42350. 1, LOC_O
s05g35750. 1, LOC_Os02g12100. 1, LOC_Os09g07960. 1, LOC_Os02g45960. 1, LOC_Os
03g19050. 1, LOC_Os01g43970. 1, LOC_Os04g23500. 1, LOC_Os01g47790. 1, LOC_Os0
2g41870. 1, LOC_Os01g21840. 1, 550

92375 213 chr10|11980:18405271-18405449:1

TCTGGGTTTTTCGTGTCCAACGTTTGACTGTCTATCTTATATATTTTTTTTATAATTAATATT

TTTATTGCTGTTAGATGATAAAACATGATTAATACTTTATGCATGACTTATCTTTTTTAATTTTTTTATA
ATTTTTTCAAATAAGACGGACGGTCAAACGTTGGGCACGAAATCCAGG

CGTGTCCAACGTTTGACTGTC 0.61298 1

repeat_sense, intron_sense,

LOC_Os04g20474. 2, LOC_Os10g07340. 1, LOC_Os10g10170. 4, LOC_Os04g45820. 1, L
OC_Os03g61950. 1, LOC_Os10g10170. 2, LOC_Os03g61950. 2, LOC_Os03g12620. 1, LO
C_Os06g50154. 1, LOC_Os03g30580. 1, LOC_Os09g02214. 3, LOC_Os04g20474. 1, LOC
_Os11g24120. 1, LOC_Os11g37540. 1, 1942

92442 395 chr10|11980:19092020-19092162:1

GGGGACGTACTCCCTCAGTCCCAAAATAATGGAATGTGGCCATCCTAAAATGACGAATCT

GGACAAAGGCTTGTCAGATTCTGTTCTCCGATAGATCACAGGTTAAGTTATTTTGGGACAGAGGGA
GTAGGTAGTCCCT GTACTCCCTCAGTCCCAAAA 0.703551 1

repeat_sense, igr_sense,

LOC_Os11g11060. 1, LOC_Os03g22050. 1, LOC_Os12g27340. 1, LOC_Os04g33720. 1, L

LOC_0s09g40000. 2, LOC_0s12g16350. 10, LOC_0s07g28260. 2, LOC_0s08g30930. 1, LOC_0s09g16990. 1, LOC_0s09g37870. 1, LOC_0s06g11090. 1, LOC_0s10g22060. 1, LOC_0s11g09260. 1, LOC_0s12g03320. 1, LOC_0s11g39670. 2, LOC_0s01g51800. 1, LOC_0s07g49480. 2, LOC_0s03g18030. 1, LOC_0s02g32250. 1, LOC_0s03g54900. 1, LOC_0s10g04610. 1, LOC_0s01g57630. 1, LOC_0s08g25010. 1, LOC_0s10g07340. 1, LOC_0s11g40390. 1, LOC_0s06g06080. 2, LOC_0s03g61950. 1, LOC_0s06g08580. 1, LOC_0s01g12820. 1, LOC_0s11g34460. 2, LOC_0s10g01820. 1, LOC_0s03g24730. 1, LOC_0s06g12790. 3, LOC_0s11g39670. 1, LOC_0s07g28260. 1, LOC_0s07g28570. 1, LOC_0s09g13440. 2, LOC_0s02g02740. 2, LOC_0s03g16470. 2, LOC_0s07g09460. 1, LOC_0s07g28260. 4, LOC_0s06g12790. 1, LOC_0s10g04050. 2, LOC_0s01g06740. 1, LOC_0s02g32250. 2, LOC_0s08g38480. 1, LOC_0s03g01240. 1, LOC_0s02g02740. 3, LOC_0s07g28260. 5, LOC_0s03g61950. 2, LOC_0s06g06080. 1, LOC_0s07g28260. 3, LOC_0s03g54900. 2, LOC_0s12g39250. 1, LOC_0s06g50154. 1, LOC_0s03g62300. 1, LOC_0s12g12470. 2, LOC_0s02g38750. 1, LOC_0s05g34240. 2, LOC_0s09g02214. 3, LOC_0s10g40740. 1, LOC_0s12g06650. 1, LOC_0s02g13210. 1, LOC_0s01g60780. 1, LOC_0s05g25430. 1, LOC_0s06g30280. 1, LOC_0s09g08540. 1, LOC_0s11g11060. 2, LOC_0s04g47140. 1, LOC_0s02g54000. 1, LOC_0s11g24540. 1, LOC_0s01g58240. 1, LOC_0s10g04050. 1, LOC_0s06g13050. 1, LOC_0s01g03690. 1, LOC_0s01g73250. 1, LOC_0s06g12790. 2, 3536

92821 395 chr10|11980:22107975-22108056:1

CTACTCCCTATGTCCCAAATATCGACTTGGCACTACTAATACTAGGTTTTGCTGAAGAAT
ATTTTGGGACGAAGGGAGTAG CTACTCCCTATGTCCCAAAA 0.553339 1

igr_sense,

LOC_0s03g22050. 1, LOC_0s04g33720. 1, LOC_0s10g06130. 2, LOC_0s07g28260. 2, LOC_0s04g34720. 1, LOC_0s08g30930. 1, LOC_0s10g22060. 1, LOC_0s11g09260. 1, LOC_0s09g16220. 1, LOC_0s12g03320. 1, LOC_0s11g39670. 2, LOC_0s07g49480. 2, LOC_0s05g17050. 1, LOC_0s03g18030. 1, LOC_0s10g04610. 1, LOC_0s08g25010. 1, LOC_0s10g07340. 1, LOC_0s01g12820. 1, LOC_0s11g34460. 2, LOC_0s08g12430. 2, LOC_0s06g12790. 3, LOC_0s11g39670. 1, LOC_0s07g28260. 1, LOC_0s09g13440. 2, LOC_0s03g16470. 2, LOC_0s12g16290. 1, LOC_0s07g28260. 4, LOC_0s06g12790. 1, LOC_0s01g06740. 1, LOC_0s07g28260. 5, LOC_0s07g28260. 3, LOC_0s02g38750. 1, LOC_0s05g34240. 2, LOC_0s09g02214. 3, LOC_0s12g06650. 1, LOC_0s08g35560. 1, LOC_0s01g60780. 1, LOC_0s05g25430. 1, LOC_0s11g24540. 1, LOC_0s04g24950. 1, LOC_0s06g12790. 2, 1002

92954 615 chr11|11981:1229088-1229180:1

CCACCCGGTCTCACATGTCAGCCTCCTTCATCACCCGATCCCACATCTCATTGTCCAAAC
GTGGAAGGAGGCTGACATATGGGACCGGTGG CCCGGTCTCACATGTCAGCCTCCTT

0.683385 1 igr_sense,

LOC_0s03g15050. 2, LOC_0s01g53820. 1, LOC_0s01g68320. 4, LOC_0s04g51940. 1, LOC_0s04g48760. 1, LOC_0s03g15050. 1, LOC_0s11g06720. 1, LOC_0s06g46550. 1, LOC_0s08g38450. 1, LOC_0s02g58160. 1, LOC_0s04g32450. 1, LOC_0s01g01910. 1, LOC_0s05g47960. 1, LOC_0s10g38040. 1, LOC_0s01g41740. 1, LOC_0s11g27160. 1, LOC_0s01g68320. 2, LOC_0s10g36690. 2, LOC_0s01g68320. 1, LOC_0s10g29220. 1, LOC_0s01g26130. 1, LOC_0s08g24952. 1, LOC_0s01g03549. 1, LOC_0s01g43140. 1, LOC_0s

01g26130. 3, LOC_0s03g15050. 3, LOC_0s09g29150. 1, LOC_0s01g68320. 5, LOC_0s01g12330. 1, LOC_0s12g05340. 1, LOC_0s08g08870. 1, LOC_0s02g33220. 1, LOC_0s10g24340. 1, LOC_0s10g37899. 1, LOC_0s11g03670. 1, LOC_0s04g51940. 2, LOC_0s03g08460. 1, LOC_0s04g06860. 1, LOC_0s10g36690. 1, LOC_0s04g10320. 1, LOC_0s05g24780. 1, LOC_0s04g52460. 1, LOC_0s01g26130. 2, LOC_0s01g68320. 3, LOC_0s02g34630. 1, LOC_0s05g08110. 1, 247

93114 127 chr11|11981:4601997-4602100:1

AAAGATTGATCTTTAGTCTCGGTTGGTAACACCAACCAGGATTAAAGATGGAGCCATCTGT
AGTCCCGGTTGATGTTACCAACTGGGACTAAAGATCTTTTTTT TGATCTTTAGTCTCGGTTGGTA
0.730286 1 repeat_sense, igr_sense,

LOC_0s11g35750. 1, LOC_0s10g08660. 1, LOC_0s02g50650. 1, LOC_0s09g11300. 1, LOC_0s01g24910. 1, LOC_0s09g17360. 1, LOC_0s12g17280. 1, LOC_0s04g06630. 1, LOC_0s11g36280. 1, LOC_0s06g15730. 1, LOC_0s06g24950. 1, LOC_0s11g19910. 1, LOC_0s10g06430. 1, LOC_0s01g38580. 1, LOC_0s10g01560. 1, 9097

93136 101 chr11|11981:5026278-5026389:1

CAAAAAGTACCTCGAGGTACCGGTATCTCACAATGCCCATCATGCCCAACTAGATCCAACG
ATCGGAAACGATTTGGTACCGTGAGATACCGGTACCTCGAGATACTTTTTTG

ACCTCGAGGTACCGGTATCTCAC 1.49992 1 repeat_sense, igr_sense,
LOC_0s01g41480. 1, LOC_0s10g38540. 1, LOC_0s01g65610. 1, LOC_0s08g42490. 1, LOC_0s12g14150. 1, LOC_0s03g10880. 1, LOC_0s01g36970. 1, LOC_0s08g41720. 1, LOC_0s06g03080. 1, LOC_0s01g48620. 1, LOC_0s11g30020. 1, LOC_0s02g42110. 1, LOC_0s09g23340. 1, LOC_0s06g13190. 1, LOC_0s10g04370. 1, LOC_0s03g18040. 1, LOC_0s01g29150. 1, 249

93168 42957 chr11|11981:5764991-5765135:1

GTGGTGCCTACATGGCGGTGTTGACCTGGTATTTGTCCCATGTCAATGGGTCCCACAAATA
TTTTTGGGTGAATGATAAATGGGTCATATATATAATGCCACGTGGAACAAAGACTAGGTCAACACCG
CTATGTAGGTGCCACACATGGCGGTGTTGACCTGG 0.718269 1

intron_antisense, repeat_sense,
LOC_0s11g44460. 1, LOC_0s06g35574. 1, LOC_0s12g02310. 1, LOC_0s04g37520. 1, LOC_0s01g42030. 1, LOC_0s12g09820. 1, LOC_0s05g20900. 1, LOC_0s03g11530. 1, LOC_0s11g02379. 2, LOC_0s05g21050. 1, LOC_0s08g30830. 1, 145

93226 17 chr11|11981:6919244-6919373:1

TTGAAAAGCGTGCGCGGAAAAACGAGGGAGATGGGTGGAAAAAGGGGTTGCCGAACACAC
CCTTAGGCTGTGTTCTTCTCATGGGTTCCCAACCCACCTCCCTCGTTTCTGCATGCACGCTTTTCAA
LOC_0s06g15170. 1, LOC_0s01g68850. 1, LOC_0s11g04970. 1, LOC_0s06g13120. 1, LOC_0s12g42170. 1, LOC_0s03g12010. 3, LOC_0s12g40940. 1, LOC_0s09g15510. 1, LOC_0s03g12010. 2, LOC_0s03g38240. 1, LOC_0s11g38000. 1, LOC_0s02g50810. 1, LOC_0s03g50470. 1, LOC_0s03g12010. 4, LOC_0s01g40320. 1, LOC_0s04g34360. 1, LOC_0s06g22919. 2, LOC_0s05g40910. 1, LOC_0s07g13460. 1, 1408

93230 5157 chr11|11981:6970317-6970468:1

TCTCAATCGTTTTCCGTCCGCCTTGATCGCTATTGACCTAGCAACGCACGCGATATGGTAT
TTGTACCCCTCATTGTCATACATTCTACTTGTACTTGTGAGGGCTAGAACCCGGGTCAATAGCGATCAA
GGCGGACGAAAAACAATCGAGA TTTCCGTCCGCCTTGATCGC 0.804897 1

repeat_sense, igr_sense,

CGTGCGCG

LOC_Os01g13610.1, LOC_Os06g28550.1, LOC_Os01g62200.1, LOC_Os04g30430.1, 86

93301 127 chr11|11981:8559513-8559639:1
TTAGTCCCGGTTGGTGACATCAATCGGGACTAAAGATCATCTTTATAGTCCCGGTTGATA
ATACTAACCGGAATAAAAAATTATATTGATCTTTAGTCCCGGTTGGTATTACCAACCGAGACTAAA
GGTTGGTGACATCAATCGGGA 1.50203 1 repeat_sense, igr_sense,
LOC_Os02g44460.1, LOC_Os09g16910.1, LOC_Os08g28860.1, LOC_Os02g08060.1, LOC_Os09g04830.1, LOC_Os04g29270.1, LOC_Os09g16910.2, LOC_Os03g34310.5, LOC_Os09g16910.3, 255

93321 1945 chr11|11981:8941104-8941194:1
CGTCGTTAGGGTCCGACCATTCCACGCCATTAAGTTCTATAGGATGAACACTGTATTTAA
CGGCACGGAATGGATGGAACCCTAATGGCG TTAGGGTTCCGACCATTCCAC 0.482663 1
repeat_sense, igr_sense,
LOC_Os02g42350.1, LOC_Os12g13170.2, LOC_Os07g44720.1, LOC_Os07g42490.1, LOC_Os01g50080.1, 65

93326 127 chr11|11981:9003185-9003281:1
GTTATGATCTTTAGTCCCGGTTGGTAACACCAACCGGGACTAAAGATCATCTTTATAGTCC
CGGTTGGTAATACTAACCGGGACTAAAGATCATTAC TGATCTTTAGTCCCGGTTGGTAA
0.565168 1 repeat_sense, igr_sense,
LOC_Os07g14430.1, LOC_Os02g50650.1, LOC_Os08g02990.1, LOC_Os09g17360.1, LOC_Os04g06630.1, LOC_Os08g26860.1, LOC_Os05g44050.1, LOC_Os06g15730.1, LOC_Os05g18294.4, LOC_Os07g23354.1, LOC_Os08g08310.1, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os01g38580.1, LOC_Os01g52590.1, LOC_Os04g13630.1, LOC_Os10g01560.1, LOC_Os08g27180.1, 15574

93329 42973 chr11|11981:9046774-9046857:1
CCGGAGAGAAGACGATGACATGTTGAGCGAGGACGACATCCTCCTGACGTCCATCGCCGCC
ACCGTCGTCGTCTTCGTCTCCGG CTCCGGAGAGAAGACGATGACA 0.362938 1
cds_antisense, exon_antisense,
LOC_Os03g08280.2, LOC_Os10g08022.1, LOC_Os02g50930.1, LOC_Os02g10010.2, LOC_Os07g30610.1, LOC_Os09g32450.1, LOC_Os07g30760.1, LOC_Os07g42260.1, LOC_Os04g14760.1, LOC_Os11g12390.1, LOC_Os09g26620.4, LOC_Os01g24980.2, LOC_Os07g30690.1, LOC_Os01g03870.1, LOC_Os04g53120.1, LOC_Os09g26620.1, LOC_Os07g08460.1, LOC_Os03g44020.1, LOC_Os01g24980.1, LOC_Os05g32890.1, LOC_Os06g27750.1, LOC_Os05g06110.1, LOC_Os03g08280.1, LOC_Os06g05310.1, LOC_Os12g04170.1, LOC_Os02g10010.1, LOC_Os02g11680.1, LOC_Os01g45390.1, LOC_Os03g44050.1, LOC_Os09g26620.2, LOC_Os06g05320.1, LOC_Os09g26620.3, LOC_Os11g16400.1, LOC_Os02g05890.1, LOC_Os07g30760.2, LOC_Os02g33460.1, LOC_Os02g25960.1, LOC_Os03g60650.1, LOC_Os07g08460.2, LOC_Os10g04590.1, LOC_Os12g41910.1, 15

93334 42976 chr11|11981:9237323-9237446:1
GTTGCAGAACATCAGCATCCTCCATTGGGACGTCGGCGGATGAACGAGTGCCAGACTCATC
ATGCCGACTTGATGGAGAGCCGGTCCCTTCTGAACAAATGGAGGATGCTGATGTTCCGCAC
GCAGAACATCAGCATCCTCCA 0.699911 1
repeat_sense, cds_antisense, exon_antisense,

LOC_0s02g38050. 6, LOC_0s01g52500. 2, LOC_0s01g52500. 4, LOC_0s05g35860. 1, LOC_0s03g63930. 1, LOC_0s12g16340. 1, LOC_0s03g19470. 1, LOC_0s10g27450. 2, LOC_0s02g38050. 1, LOC_0s02g35870. 1, LOC_0s08g30740. 1, LOC_0s02g40880. 1, LOC_0s03g58120. 1, LOC_0s12g11510. 1, LOC_0s04g38960. 1, LOC_0s09g25550. 1, LOC_0s12g16350. 6, LOC_0s03g64280. 1, LOC_0s03g05110. 1, LOC_0s02g38050. 3, LOC_0s12g16350. 3, LOC_0s09g39110. 1, LOC_0s02g38050. 5, LOC_0s08g22700. 1, LOC_0s01g13200. 1, LOC_0s09g38860. 1, LOC_0s01g52500. 3, LOC_0s02g38050. 4, LOC_0s01g09260. 1, LOC_0s02g14700. 1, LOC_0s10g27450. 1, LOC_0s03g50330. 1, LOC_0s05g23890. 1, LOC_0s01g29340. 1, LOC_0s08g42680. 1, LOC_0s10g30590. 1, LOC_0s11g16700. 1, LOC_0s04g28740. 1, LOC_0s01g29507. 1, LOC_0s06g28570. 1, LOC_0s12g16350. 5, LOC_0s05g41530. 1, LOC_0s08g21950. 1, LOC_0s09g16490. 1, LOC_0s02g38050. 2, LOC_0s12g11860. 1, LOC_0s03g32460. 1, LOC_0s04g13160. 1, LOC_0s01g52500. 1, 16

93336 42978 chr11|11981:9243798-9243893:1

ATAGGTTATCCCTCACGGCTGGCATGTGCTAGGGCGACCGCCCGAGATAATTCGTGCCGTT
TCCTTAGCACATGCTAGCCGTCTGGGATAAGCTAT GTTATCCCTCACGGCTGGCAT 0.143372
1 igr_sense,

LOC_0s06g20750. 1, LOC_0s07g12950. 1, LOC_0s09g20380. 1, 5

93351 127 chr11|11981:9681245-9681326:1

GATCTTTAGTCCCGTTGGTGGCTACAACGGACATACGTGATATTTAGTCCCGTTGGTGT
TATCAACCGGGACTAAAGATC CTTAGTCCCGTTGGTGGC 0.128105 1
repeat_sense, igr_sense,

LOC_0s02g16630. 1, LOC_0s10g08660. 1, LOC_0s02g50650. 1, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s12g17280. 1, LOC_0s11g43800. 1, LOC_0s05g18294. 4, LOC_0s08g13430. 1, LOC_0s10g01560. 1, LOC_0s08g27180. 1, 4140

93370 42982 chr11|11981:10422703-10422804:1

GAAGACATGTCCTTGCTGGTGGCGGACATAACGCAGCCGCCAGCAAAGAAGTATCTCCGCT
TGCGGTAGCCTTAGTTCGGCCACCAGCGAAGATAATTCTTT TGTCTTGCTGGTGGCGGAC
0.311659 1 repeat_sense, igr_sense,

LOC_0s07g37840. 1, LOC_0s02g05670. 1, LOC_0s10g22550. 1, LOC_0s12g13540. 1, LOC_0s12g44260. 1, LOC_0s02g49970. 1, LOC_0s10g29274. 1, LOC_0s08g06200. 1, LOC_0s08g15600. 1, LOC_0s10g25170. 1, LOC_0s10g29274. 2, LOC_0s06g43304. 1, LOC_0s01g45040. 1, LOC_0s04g02620. 1, 13

93377 10117 chr11|11981:10542806-10542933:1

TTACTTAAACCGTGCAAAGGAGGTCCCATGGCAGTATTTGCACCCGTTTTTACTAACGTGG
CATCCTGTTGTACGGTTTTTTTTGACGCAAATACTGCCATGGGACCTCTTTGCATGGTTTGAGTAA
AAACCGTGCAAAGGAGGTCCC 0.436674 1 repeat_sense, igr_sense,

LOC_0s11g23230. 1, LOC_0s08g17670. 1, LOC_0s06g21890. 1, LOC_0s01g01620. 1, LOC_0s09g20670. 1, LOC_0s06g23274. 1, LOC_0s10g25349. 1, LOC_0s07g39580. 1, LOC_0s09g28860. 1, LOC_0s07g40670. 1, 249

93378 6495 chr11|11981:10542814-10542925:1

ACCGTGCAAAGGAGGTCCCATGGCAGTATTTGCACCCGTTTTTACTAACGTGGCATCCTGT
TGTACGGTTTTTTTTGACGCAAATACTGCCATGGGACCTCTTTTGCATGGT
GGAGGTCCCATGGCAGTATTT 0.386303 1 repeat_sense, igr_sense,

LOC_0s02g47040.1, LOC_0s03g15580.1, LOC_0s07g31950.1, LOC_0s10g25349.1, LOC_0s07g40880.1, LOC_0s01g34670.1, LOC_0s05g34820.1, LOC_0s10g28690.1, LOC_0s09g25740.1, LOC_0s07g40670.1, LOC_0s11g11600.1, 153

93445 42994 chr11|11981:12639590-12639693:1

CCAGGAAGCGGCACACCGACGAGGTACCGGTTCGGTGTAGGTCGAGCGCGCATTTTCGTCCTC
GCGCCCCAAATGTTTCGACCGGTGCTAGTCGGTGTTCGTCCTGG GCACACCGACGAGGTACCGGT

0.38956 1 igr_sense,

LOC_0s06g39880.1, LOC_0s05g51220.1, LOC_0s01g54450.1, LOC_0s01g26390.1, LOC_0s08g25490.1, LOC_0s08g23790.1, LOC_0s05g05180.1, LOC_0s10g02670.1, 4

93454 679 chr11|11981:12977555-12977662:1

ACGGGCTCACCATTGCAGGAGGAATGGTCGGCTGGGGATCATGGGACCGATGTGCGGCCAT
GCGTTCATCAACCTTCCTTGCCACCTCCTCTTGCATGCTGAGCTCGT

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93539 127 chr11|11981:15233717-15233802:1

CCCCGAGATCTTTAGTCCCGTTGGTACCAACCGGACTAAAGTTACGAAGGTTAGTAACA
CCAACCGGGACTAAAGATCCCGGGG AGATCTTTAGTCCCGTTGGT 0.280893 1

repeat_sense, igr_sense,

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C_0s05g18294. 4, LOC_0s08g13430. 1, LOC_0s01g20950. 1, LOC_0s12g42630. 1, LOC
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93566 10617 chr11|11981:15775946-15776044:1

TTGACGGCGTGTGCCATCCACACATCCCGATCATGGCGTGTGACACAACCTGGATGTGCGT
GCCACGACCAGGACGTGTGGGATGGCACATGTTGTCAACGGCGTGTGCCATCCACACATC

0.166104 1 intron_sense,

LOC_0s08g40050. 1, LOC_0s09g16620. 1, LOC_0s11g37050. 1, LOC_0s08g07380. 1, L
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C_0s06g37860. 1, LOC_0s05g40420. 1, LOC_0s02g26180. 1, LOC_0s05g40420. 2, LOC
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93622 5637 chr11|11981:16783075-16783188:1

GGGATCCTTTGACGTGAAGTCAGAGGGACGTGGTGACTGACATGTGGGCCTCACCCTCGC
GGGCCCACCTATCAGTGACCACGTCACGGGGCAGTTCACGTCAAAGGAATCGC

TGACGTGAAGTCAGAGGGACGTGG 0.198439 1 igr_sense,

LOC_0s08g36530. 1, LOC_0s06g33970. 1, LOC_0s01g53779. 1, LOC_0s01g14100. 2, L
OC_0s01g53779. 2, LOC_0s10g36980. 1, LOC_0s02g14700. 1, LOC_0s08g36520. 1,

101

93632 101 chr11|11981:17031028-17031189:1

AGCAATTCTACGGTCCTTGAGGAGGTACCATGAGATACCAAAAATTTAGTGTAATAATTTGG
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CATGGTACCTCCTCAAGGACCGTAAAATTGCT CGGTCCTTGAGGAGGTACCATGAGATAC

0.92851 1 repeat_sense, intron_sense,

LOC_Os10g21810.1, LOC_Os03g03860.1, LOC_Os12g39070.1, LOC_Os01g49730.1, LOC_Os03g45410.1, LOC_Os01g33800.1, LOC_Os05g03480.3, LOC_Os03g27930.1, LOC_Os06g08300.1, LOC_Os11g27240.1, LOC_Os07g06980.1, LOC_Os06g41090.1, LOC_Os12g34990.1, LOC_Os01g55974.3, LOC_Os05g35800.1, LOC_Os05g03210.1, LOC_Os03g03860.3, LOC_Os05g35950.1, LOC_Os04g43060.1, LOC_Os08g39570.1, LOC_Os07g45160.1, LOC_Os10g42950.3, LOC_Os05g35130.1, LOC_Os05g34980.1, LOC_Os08g39160.1, LOC_Os03g03860.2, LOC_Os01g66760.1, LOC_Os11g15450.1, LOC_Os04g39629.1, LOC_Os11g25140.1, LOC_Os03g27054.1, LOC_Os11g14544.4, LOC_Os05g15150.1, LOC_Os02g11780.1, LOC_Os04g57830.1, LOC_Os05g08560.1, 467

93633 101 chr11|11981:17031036-17031181:1

TACGGTCCTTGAGGAGGTACCATGAGATACCAAAATTTAGTGTAATTTGGTACCTCAT
GGTACCTTATAGTACCTAGGTACAAAGAGTTACCAAAATTTACAATAGAAAAAGTGGTACCTCATGGTAC
CTCCTCAAGGACCGTA CTTGAGGAGGTACCATGAGATA 0.619961 1

repeat_sense, intron_sense,

LOC_Os12g39070.1, LOC_Os03g03860.1, LOC_Os01g49730.1, LOC_Os03g45410.1, LOC_Os05g03480.3, LOC_Os06g08300.1, LOC_Os07g06980.1, LOC_Os01g55974.3, LOC_Os03g42230.1, LOC_Os01g52380.1, LOC_Os03g03860.3, LOC_Os05g35130.1, LOC_Os03g03860.2, LOC_Os01g66760.1, LOC_Os04g39629.1, LOC_Os03g27054.1, LOC_Os11g14544.4, LOC_Os05g15150.1, 281

93639 101 chr11|11981:17105825-17105956:1

AAAAAATATTTTCGAGGTACCGGTACCTCACGGTACTAAATTGTTTCCGATCGAGGATTTAG
CTGGGCAGGATGGACGTTGTTAGATCCAACGATTTGGTATCGTGAGTTACCGGTAGCTCAAGATATTTT
TT TCGAGGTACCGGTACCTCACGGTACT 1.08289 1repeat_sense, igr_sense,
LOC_Os10g38540.1, LOC_Os08g42490.1, LOC_Os12g14150.1, LOC_Os09g32100.1, LOC_Os03g10880.1, LOC_Os01g02550.1, LOC_Os01g43490.1, LOC_Os05g03174.1, LOC_Os01g59550.1, LOC_Os09g23560.1, LOC_Os08g41720.1, LOC_Os06g03080.1, LOC_Os06g34960.1, LOC_Os09g38104.1, LOC_Os04g56520.1, LOC_Os02g42110.1, LOC_Os04g11780.1, LOC_Os11g43690.1, LOC_Os04g56520.2, LOC_Os05g05180.1, LOC_Os02g45320.1, 408

93640 101 chr11|11981:17105830-17105951:1

ATATTTTCGAGGTACCGGTACCTCACGGTACTAAATTGTTTCCGATCGAGGATTTAGCTGGG
CAGGATGGACGTTGTTAGATCCAACGATTTGGTATCGTGAGTTACCGGTAGCTCAAGATAT

GGTACCGGTACCTCACGGTAC 1.14325 1 repeat_sense, igr_sense,
LOC_Os10g38540.1, LOC_Os08g42490.1, LOC_Os12g14150.1, LOC_Os09g32100.1, LOC_Os01g02550.1, LOC_Os01g43490.1, LOC_Os01g59550.1, LOC_Os08g41720.1, LOC_Os06g34960.1, LOC_Os09g38104.1, LOC_Os11g30020.1, LOC_Os02g42110.1, LOC_Os04g11780.1, LOC_Os11g43690.1, LOC_Os06g13190.1, 349

93653 395 chr11|11981:17337683-17337816:1

AAAGAGACAATACTCCCTCCGTTCTAAATATAACAATTTTTTTGATGGATGGGATATAT
CCTATGACTATGAATCTGGACACCCATCCAAAAATTGTTATATTTGGGACGGAGGGAGTAGTTGCCTA
CTTT GAGACAATACTCCCTCCGTTCT 0.810266 1 repeat_sense, igr_sense,
LOC_Os10g12460.1, LOC_Os02g02400.2, LOC_Os04g54560.1, LOC_Os04g08560.1, LOC_Os09g39910.2, LOC_Os08g04920.1, LOC_Os02g08270.1, LOC_Os04g46570.1, LOC_Os02g16490.1, LOC_Os02g56360.1, LOC_Os07g37454.1, LOC_Os04g44590.1, LOC

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93669 101 chr11|11981:17788168-17788313:1

TACGGTCCTTGAGGAGGTACCATGAGATACAAAAATTTAGTGTAATTTGGTATCTCAT
GGTACCTCATAGTATCTATGTACCAAGAGGTACCAAATTTACAATAGAAAAAGTGGTACCTCATGGTAC
CTCCTTAAGGACCGTA CTTGAGGAGGTACCATGAGATA 0.178641 1

repeat_sense, igr_sense,

LOC_Os03g03860. 1, LOC_Os12g39070. 1, LOC_Os01g49730. 1, LOC_Os03g45410. 1, LOC_Os05g03480. 3, LOC_Os06g08300. 1, LOC_Os07g06980. 1, LOC_Os01g55974. 3, LOC_Os03g42230. 1, LOC_Os01g52380. 1, LOC_Os03g03860. 3, LOC_Os05g35130. 1, LOC_Os03g03860. 2, LOC_Os01g66760. 1, LOC_Os04g39629. 1, LOC_Os03g27054. 1, LOC_Os11g14544. 4, LOC_Os05g15150. 1, 281

93675 249 chr11|11981:17859092-17859218:1

GCTGAATTTAGACACCTCAGCGCCAAATAGCTCGGTGCTGAGTGTGCGTTGGCACACTGAC
TCAGCCTTCCATGGTGGCACGGTATTACAGGCCAGGTGATGTGGCGCTGAGGTGTCTAAGTTCAGC
TTAGACACCTCAGCGCCAAA 0.57809 1

repeat_sense, intron_sense,

LOC_Os08g05350. 1, LOC_Os08g32800. 1, LOC_Os06g34910. 1, LOC_Os11g20780. 1, LOC_Os10g42900. 1, LOC_Os03g28360. 1, LOC_Os06g11360. 1, LOC_Os07g07600. 1, 187

93679 395 chr11|11981:17902967-17903044:1

ACTTTCTAGCATTGCCTACATTCTTATATATGTTAATGAATTTAGACATATATATGAATGT
GGGCAATGCTAGAATGT TTCTAGCATTGCCTACATTC 0.247703 1

repeat_sense, igr_sense,

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93680 43043 chr11|11981:17920286-17920374:1

CTAGCTTGCGTCGTAAGCCGGCTTACGCCGTAAGTTGGCTTCTCCTGCAAGCTAGCTTCCT
CTGTAAGCTGGCTTCTCTCGCAAGCTGG GCTTGCGTCGTAAGCCGGCTT 0.358157 0

igr_sense,

LOC_Os06g28260. 1, LOC_Os02g47840. 2, LOC_Os04g51260. 1, LOC_Os02g47840. 1, LOC_Os03g33100. 1, 34

93692 127 chr11|11981:18152243-18152430:1
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 TTAAATCCTGGTTGGTAGTATCAATCGGGATTAAAGATCCTTGGCTCCCTGACATACATCTGACAGGGG
 ATGAACCAGGACTAAAATTCATCTTTAGTCCCGGATGGTGTACCAACCGGAACTAAA
 GGTTGGTAATACCAACCGGGAGT 0.335346 1
 intron_antisense, repeat_sense,
 LOC_Os08g45200.1, LOC_Os09g04520.1, LOC_Os11g10820.1, LOC_Os09g17360.1, L
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 C_Os08g23829.1, LOC_Os08g31780.1, 6333
 93710 1721 chr11|11981:18377476-18377561:1
 GTTCACCTAGGATGAGGACGTGGCATCCTATTAATTTTCGTGCGATGGCTGGTAATAGGAT
 GTCACATCCTCGTTCTAAGTGAAAC AGGATGAGGACGTGGCATCCT 1.21856 1
 repeat_sense, igr_sense,
 LOC_Os07g06250.1, LOC_Os02g54360.1, LOC_Os07g06345.1, LOC_Os08g14860.4, L
 OC_Os07g41980.1, LOC_Os07g06166.1, LOC_Os01g42480.1, LOC_Os01g65130.1, L
 C_Os06g29220.1, 158
 93739 437 chr11|11981:18698110-18698198:1
 AACTTGAGGCCGTCACAGATGACTCATCTGTGACAGGCTATAGTTAATGTCCGTCACAGA
 TAAGGGTCATCTGTGACGGGCTGTAGTT AGGCCGTCACAGATGACTC 0.225125 1
 repeat_sense, intron_sense,
 LOC_Os01g25440.1, LOC_Os07g36330.1, LOC_Os09g26010.1, 1152
 93745 679 chr11|11981:18796125-18796232:1
 ACGGGCTCACCATTGCAGGAGGAATGGTCGGCTGGGGATCATTGGACCGATGTGCGGCCAT
 GCGTTCATCAACCTTCTTTGCCACCTCCTCTGCATGCTGAGCTCGT
 GGCTCACCATTGCAGGAGGAA 0.195256 1
 repeat_sense, cds_antisense, exon_antisense,
 LOC_Os08g14670.1, LOC_Os09g11060.1, LOC_Os09g04190.1, LOC_Os12g38670.1, L
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93837 1523 chr11|11981:20382212-20382356:1

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94076 127 chr11|11981:25553963-25554041:1
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TATTACCAACCGGGACTA CCCGGTTGGTAACACCAACCGGGAA 0.571914 1
repeat_sense, igr_sense,
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94119 43091 osa-MIR531 chr11|11981:26423868-26423948:1
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GAGCGTTGCTCGACGGTGCC CTCGCCGGGGCTGCGTGCCGCCAT 0
intron_antisense, repeat_sense,
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94132 101 chr11|11981:26808839-26808967:1
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repeat_sense, igr_sense,
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94137 1941 chr11|11981:26872192-26872317:1
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94293 997 chr12|11982:1233507-1233660:1

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repeat_sense, igr_sense,

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94294 997 chr12|11982:1233511-1233656:1

TGGCACACACGTGGCAGTCCAGTCAGCATAAAAAATAAAAAATGGTAGGGCACTTGTGAGT
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TGCTACATGTGCGCCA GTGGCAGTCCAGTCAGCATA 0.810559 1

repeat_sense, igr_sense,

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94416 395 chr12|11982:3271944-3272062:1

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TGAAGTACTCCCTCCGTCCTCCATAA 0.498083 1 repeat_sense, igr_sense,

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94419 61 chr12|11982:3324102-3324182:1

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94431 395 chr12|11982:3403028-3403129:1

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94432 395 chr12|11982:3403028-3403129:1

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94455 127 chr12|11982:3828770-3828862:1

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 94759 615 chr12|11982:7996200-7996306:1
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94810 437 chr12|11982:8699348-8699447:1

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94824 127 chr12|11982:8878893-8879033:1

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94848 127 chr12|11982:9077390-9077518:1

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94880 17 chr12|11982:9482623-9482727:1

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94895 127 chr12|11982:9659025-9659170:1

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 94945 43291 osa-MIR413 chr12|11982:10133794-10133902:1
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 94952 43294 chr12|11982:10184518-10184600:1
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 94996 615 chr12|11982:10622421-10622513:1
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 GTG AGGGGATACCTGTGACGGGCC 1.25053 1 repeat_sense, igr_sense,
 LOC_Os05g01150.1, LOC_Os03g29020.1, LOC_Os02g34020.1, LOC_Os12g25330.1, LOC_Os02g02270.1, LOC_Os04g08150.1, LOC_Os12g26129.1, LOC_Os07g42010.1, LOC

C_0s10g04290.1, LOC_0s02g29920.1, LOC_0s10g13840.1, LOC_0s04g21700.1, LOC_0s02g02240.1, LOC_0s04g07870.1, LOC_0s04g13630.1, LOC_0s08g33760.1, 342 95224 35 chr12|11982:13780414-13780511:1

TATAATTAATATTCAAACATCCGATGTGATAGGGACTTAAAAGTTTTAGTCCCATCTAAAC AGGGCCTATCACATCGGATGTTTGAATATTAATTATA ATTCAAACATCCGATGTGATAGGG

0.812228 1 repeat_sense, igr_sense, LOC_0s11g34230.3, LOC_0s03g58580.1, LOC_0s01g52500.2, LOC_0s01g52500.4, LOC_0s08g25870.1, LOC_0s05g05240.1, LOC_0s06g50890.4, LOC_0s07g04160.2, LOC_0s01g51870.1, LOC_0s04g45650.1, LOC_0s01g49920.1, LOC_0s02g17320.1, LOC_0s01g59530.2, LOC_0s03g37960.1, LOC_0s11g34230.4, LOC_0s10g34400.1, LOC_0s12g28100.1, LOC_0s08g18110.1, LOC_0s02g17320.3, LOC_0s12g30510.1, LOC_0s08g33479.1, LOC_0s02g39020.1, LOC_0s09g36190.1, LOC_0s09g07550.1, LOC_0s11g09710.1, LOC_0s07g04160.1, LOC_0s10g34400.2, LOC_0s08g30990.1, LOC_0s06g50890.1, LOC_0s01g52500.3, LOC_0s11g42780.1, LOC_0s12g17500.1, LOC_0s02g06880.1, LOC_0s05g50510.1, LOC_0s01g15850.1, LOC_0s05g05240.2, LOC_0s12g07060.1, LOC_0s01g25300.1, LOC_0s05g02510.1, LOC_0s06g44000.1, LOC_0s11g19450.1, LOC_0s06g50890.2, LOC_0s02g17320.2, LOC_0s01g52500.1, 2060

95228 1347 chr12|11982:13781090-13781224:1

ACAGCTGGCTACAAATCTGTAGCCCGCTTCTTCAGCAGGTACAATAGTAGGCTATAAGC CAGCTACAAATATATTTTAAGAAGATAAATAAGGAGAGAGAAGAGAAGCGGGCTACAGATTTGTAGCCA GCTGT ACAAATCTGTAGCCCGCTTC 0.925533 1 repeat_sense, igr_sense, LOC_0s05g37970.1, LOC_0s03g44000.1, LOC_0s01g01340.1, LOC_0s01g61060.1, LOC_0s09g27570.1, LOC_0s06g12870.1, LOC_0s06g44620.2, LOC_0s01g01340.2, LOC_0s11g38130.1, 1197

95246 127 chr12|11982:14127868-14127964:1

GTCGTACTTTAGTCCCGGTTGGTAATACCAACCGGGACTAAAGATCCCGGTGATCTTTAGC CCCGGTTGGTGCTACCAACCGGGACTAAAGTCCCAC TACTTTAGTCCCGGTTGGTA 0.152664 1 repeat_sense, igr_sense,

LOC_0s10g08660.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s12g17280.1, LOC_0s08g13430.1, 4692

95262 25 chr12|11982:14359936-14360040:1

AAAATTATCTTCACAGGCGGACGGCCGACCGCTTGCGAAGATCGGCGATCTTCACAGTCA TTGGCTTACAGGCGGACGGCCGCCCGCTGTGAAGACCGTTTT ATCTTCACAGGCGGACGGCCGC 0.424968 1 repeat_sense, igr_sense,

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95390 127 chr12|11982:15791418-15791527:1

CGGTTGGTAACACCAACCGGGACTAAAGATCCCGATTCAAATGCTGTCAAGGCCTATCAAG CCCCCCCCCCCCCCGGGATCTTTAGTCCTGGTTGGTAACACCAACCG

CACCAACCGGGACTAAAGATCC 0.68812 1

repeat_sense, intron_sense,

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95502 945 chr12|11982:17120689-17120818:1

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95521 127 chr12|11982:17339428-17339504:1

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95551 43445 chr12|11982:17838177-17838317:1

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repeat sense, igr sense, LOC 0s11g42580.1, LOC 0s11g42770.1, 63

95560 797 chr12|11982:18056684-18056830:1

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repeat sense, igr sense,

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O C_0s03g56260.1, L0C_0s03g03610.1, L0C_0s01g58980.1, L0C_0s08g10580.1, L0

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 95598 43453 chr12|11982:18552893-18553034:1
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 95695 395 chr12|11982:19554004-19554087:1
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 intron_antisense, igr_sense,
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 96026 103 chr12|11982:23490294-23490428:1
 GGACTAATTCGCGAGACAAATCTATTGAGCCTAATTAATCCATGATTAACATATGTAACGC
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 AGCTC CGCGAGACAAATCTATTGAGCC 0.352395 1 repeat_sense, igr_sense,
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96289 127 chr12|11982:26451156-26451281:1

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96326 127 chr12|11982:26906212-26906323:1

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96336 43623 chr12|11982:26974263-26974348:1

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GTGGCAATGCCACATGGACATG 0.127989 1 repeat_sense, igr_sense,
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96595 3795 chr01|11971:4573181-4573329:-1
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GCATCTCTCAACTGCAAAACCGGGT 0.766729 1repeat_sense, igr_sense,
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96656 679 chr01|11971:5468079-5468186:-1

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96782 101 chr01|11971:8013719-8013861:-1

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repeat_sense, intron_sense,

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96879 187 chr01|11971:10066557-10066656:-1

GCAAGCAACGAGAGGATATCCCCTCGAGGGATGAAAATACACATCCGAATAAACGGAAAAG
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96888 127 chr01|11971:10255347-10255433:-1

ACTTTAGTCCCGGTTGGTAATACCAACCGGGACTAATGATCCCGGTGATCTTTAGCCCCGG
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repeat_sense, intron_sense,

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96891 127 chr01|11971:10453553-10453642:-1

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96907 679 chr01|11971:10778922-10779052:-1

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96959 437 chr01|11971:11581482-11581588:-1
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97003 2565 chr01|11971:12323984-12324107:-1
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97076 127 chr01|11971:13832532-13832640:-1
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97174 127 chr01|11971:16240712-16240804:-1

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97204 43793 chr01|11971:16750345-16750439:-1

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97820 127 chr01|11971:30556624-30556708:-1

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97871 9999 chr01|11971:31876207-31876372:-1

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0.959694 1 repeat_sense, igr_sense,

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97876 61 chr01|11971:31952513-31952595:-1

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97884 2739 chr01|11971:32283659-32283781:-1

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ATCGATCTTCGCATGCGGCTGGG 0.152094 1 repeat_sense, igr_sense,
LOC_Os10g31040.2, LOC_Os10g31040.4, LOC_Os01g06680.1, LOC_Os04g22800.1, L
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97931 5649 osa-MIR167j chr01|11971:33012941-33013056:-1

AGCAGCTGAAGCTGCCAGCATGATCTGATCTTTTTCGATCTCTTTTTTATCTGAATAAGT
TGATGGAATATTGGGTTCCCTAAGATTCAGATCGTGCTGCGCAGTTTCATCTGCT

CTGAAGCTGCCAGCATGATCTGA 0.493634 1 igr_sense,
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_Os12g43550.2, LOC_Os03g61930.1, LOC_Os09g37520.1, LOC_Os06g03830.2, LOC_
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12g41950.1, 28

97991 43916 chr01|11971:34113533-34113663:-1

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T TAACGAGCCAGCTCGGGTCG 0.183318 1 repeat_sense, igr_sense,

LOC_Os05g25570.1, LOC_Os02g46380.3, LOC_Os02g42390.1, 98

98022 395 chr01|11971:34547154-34547249:-1

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0.532855 1 repeat_sense, igr_sense,

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98110 127 chr01|11971:36833124-36833214:-1
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98111 127 chr01|11971:36833174-36833255:-1
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98137 35 chr01|11971:37381172-37381300:-1
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CATGTGTCCAAACATTTCGATGTGAAA 1.27468 1repeat_sense, igr_sense,
LOC_0s11g34230. 3, LOC_0s03g58580. 1, LOC_0s07g31340. 2, LOC_0s10g14920. 5, LOC_0s03g52970. 1, LOC_0s07g04160. 2, LOC_0s01g70410. 1, LOC_0s12g10720. 1, LOC_0s10g14920. 3, LOC_0s01g46130. 1, LOC_0s02g54920. 1, LOC_0s01g49920. 1, LOC_0s01g46380. 1, LOC_0s04g14000. 1, LOC_0s11g34230. 4, LOC_0s12g07670. 1, LOC_0s10g34400. 1, LOC_0s05g26040. 1, LOC_0s10g14920. 1, LOC_0s07g38000. 1, LOC_0s07g03100. 1, LOC_0s08g33479. 1, LOC_0s04g22360. 1, LOC_0s09g36190. 1, LOC_0s09g22090. 1, LOC_0s11g09710. 1, LOC_0s07g04160. 1, LOC_0s03g52970. 3, LOC_0s10g34400. 2, LOC_0s06g50890. 1, LOC_0s02g06880. 1, LOC_0s10g14920. 4, LOC_0s10g26050. 3, LOC_0s07g48680. 1, LOC_0s07g31340. 3, LOC_0s11g38810. 1, LOC_0s01g46130. 2, LOC_0s01g46130. 3, LOC_0s10g39680. 1, LOC_0s07g31340. 1, LOC_0s07g38000. 2, LOC_0s08g34090. 1, LOC_0s07g03100. 2, LOC_0s03g52970. 2, 3935

98206 101 chr01|11971:38849564-38849673:-1
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repeat_sense, intron_sense,
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98277 49 chr01|11971:40742383-40742479:-1
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98511 44029 osa-MIR168a chr02|11972:1553154-1553240:-1
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98676 2693 osa-MIR397b chr02|11972:3280779-3280896:-1
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CAC TGAAGCTGCCAGCATGATCTG 1 igr_sense, HASH(0x1ae0864c)
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98770 127 chr02|11972:4245929-4246034:-1

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98798 6133 osa-MIR156d chr02|11972:4512907-4512990:-1

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98987 44215 chr02|11972:6776660-6776782:-1

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99646 127 chr02|11972:14718055-14718148:-1
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 GGTAAGTTACGATCTTTAGTCCCGGTTGGTGGGGTCTGACAGGCCCTGACAGCATTGGA
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 12659
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100836 7607 chr02|11972:28661960-28662053:-1
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101007 49 chr02|11972:30798797-30798900:-1

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1.03428 1 repeat_sense, igr_sense,

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101030 1421 osa-MIR169e chr02|11972:31199997-31200125:-1

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TAGCCAAGGATGACTTGCCGG 1 igr_sense, HASH(0x1afa4ebc)

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101040 485 chr02|11972:31434264-31434407:-1

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TGGCGCCGAGACCC CAATGTCGTTGGCGCCGAGGA 1.1089 1

repeat_sense, igr_sense,

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 101198 8545 osa-MIR164d chr02|11972:33137702-33137787:-1
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101523 213 chr03|11973:1354404-1354565:-1
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101592 101 chr03|11973:3202773-3202903:-1

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C TTAGGAGAGGTACCATGAGGTAC 0.880343 1 repeat_sense, igr_sense,
LOC_0s01g49730.1, LOC_0s12g25180.1, LOC_0s05g03480.3, LOC_0s12g37910.2, LOC_0s09g30474.1, LOC_0s08g01070.1, LOC_0s12g34990.1, LOC_0s12g03720.1, LOC_0s01g55974.3, LOC_0s03g42230.1, LOC_0s01g52380.1, LOC_0s11g13750.1, LOC_0s02g31840.1, LOC_0s05g35130.1, LOC_0s01g66760.1, LOC_0s12g37910.1, LOC_0s11g15450.1, LOC_0s04g09620.1, LOC_0s03g27054.1, LOC_0s05g15150.1, 412

101601 45154 chr03|11973:3326786-3326882:-1

TGTGCTGCCATGAGAAGATGAAGCTGCCGGATGATCTGATCGCTGGTTTGAGATGCTTTCA
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1 intron_antisense,

LOC_0s02g03400.1, LOC_0s10g01110.1, LOC_0s04g54390.1, LOC_0s08g41460.5, LOC_0s08g01910.1, LOC_0s08g36680.1, LOC_0s06g06850.1, LOC_0s03g39040.1, LOC_0s08g41460.3, LOC_0s08g41460.2, LOC_0s02g47670.2, LOC_0s03g21850.2, LOC_0s04g08600.1, LOC_0s02g13130.1, LOC_0s08g41460.1, LOC_0s08g41460.4, LOC_0s09g17890.1, LOC_0s06g36680.1, LOC_0s12g01130.1, LOC_0s04g41380.1, LOC_0s08g21880.1, LOC_0s06g06860.1, LOC_0s01g21070.1, LOC_0s08g41460.6, LOC_0s02g31290.1, LOC_0s03g21850.1, LOC_0s03g47042.1, LOC_0s02g47670.1, 29

101625 563 chr03|11973:3819444-3819546:-1

TGACACAGCTCTAGCTCCAGCTTCACCCCTCTTGGAGCTGGAGCTCAGCCAAACAGTTTCA
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0.515619 1 repeat_sense, igr_sense,

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101657 395 chr03|11973:4445497-4445668:-1

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TTCGTTTTACTAGGATGTGTACATCCAACCAAAATCCCTGTCCAGATTATTGTACTAGGATGTATA
TATCCAACCAAAATCCCTTATATTTAGGGGCGGTTCGAGTAT

CTCCGTCCCTAAATATAAGGGATT 0.348615 1 repeat_sense, igr_sense,

LOC_Os05g22750.1, LOC_Os12g16350.10, LOC_Os09g16990.1, LOC_Os06g11090.1, LOC_Os10g05069.2, LOC_Os06g04970.1, LOC_Os02g32250.1, LOC_Os09g16449.2, LOC_Os03g54900.1, LOC_Os01g57630.1, LOC_Os01g01720.1, LOC_Os08g25010.1, LOC_Os11g40390.1, LOC_Os09g19670.1, LOC_Os12g42160.1, LOC_Os01g12820.1, LOC_Os12g10170.1, LOC_Os02g07360.1, LOC_Os10g01820.1, LOC_Os01g10580.1, LOC_Os06g12790.3, LOC_Os09g16449.3, LOC_Os09g13440.2, LOC_Os12g16290.1, LOC_Os01g15970.1, LOC_Os02g10210.1, LOC_Os06g12790.1, LOC_Os10g04050.2, LOC_Os01g06740.1, LOC_Os02g32250.2, LOC_Os10g31790.1, LOC_Os09g16449.1, LOC_Os10g42100.1, LOC_Os06g11500.1, LOC_Os03g54900.2, LOC_Os11g44619.1, LOC_Os04g25740.1, LOC_Os02g38750.1, LOC_Os06g27680.1, LOC_Os01g65130.1, LOC_Os10g40740.1, LOC_Os01g60780.1, LOC_Os05g25430.1, LOC_Os01g36350.3, LOC_Os03g47960.1, LOC_Os01g01720.2, LOC_Os10g31790.2, LOC_Os01g12840.1, LOC_Os10g04050.1, LOC_Os10g22940.1, LOC_Os02g06740.1, LOC_Os07g08120.1, LOC_Os06g12790.2, 2356

101722 2671 chr03|11973:5845880-5846018:-1
GAAAGCTTCAATCCTTTGAATCAAAGGGCCAAATAGGAAAATTTCTATAGGATTTGAATC
CTATGAAATTCCTACATAAATCCTTTGATTCAAATGGGAATTTTATTTGGCCCTTTGATTCAAAGGATT
GAAGCTTTC ATCCTTTGAATCAAAGGGCC 1.02231 1

intron_antisense, repeat_sense,
LOC_Os06g19400.1, LOC_Os12g15480.1, LOC_Os03g48730.1, LOC_Os04g40600.1, LOC_Os09g30100.1, LOC_Os08g31750.1, 499

101761 45179 chr03|11973:7190802-7190952:-1
CGTGGTCACGATGACGTAGCTGCCGTTCTCGTACAGCTTCATGACGTAGCACTCCTCGTCC
TCGAGGGTCTCGCGCGGGACGCCGCCACCCGTCGCGCAGGCGCCGCCGCGAGGCCACGGGAACGGCG
GCGACGTCGTCGGCGGCGGCG ACGATGACGTAGCTGCCGTT 0.0809723 1

cds_antisense, exon_antisense,
LOC_Os03g55350.1, LOC_Os07g32040.1, LOC_Os12g16540.1, LOC_Os12g09710.1, LOC_Os05g18310.1, LOC_Os05g32440.1, LOC_Os09g04150.1, LOC_Os06g41980.1, LOC_Os02g17534.1, LOC_Os07g09190.1, LOC_Os08g08060.1, LOC_Os11g13560.1, LOC_Os08g13080.1, LOC_Os03g13370.1, LOC_Os10g35370.2, LOC_Os05g51890.1, LOC_Os06g36520.1, LOC_Os10g35370.1, LOC_Os11g39060.1, 2

101806 45187 chr03|11973:8551572-8551691:-1
AGAGTCTATAGATAACCATTGCAGGTGCCCTTATGCTTCCGTTGTTTGAAAATCAAGGTGA
CTACGTCATTCGTTTCCATCGCTTGATTAGGGCACCCACAATGGTTATCTGTAGGCTCT

GATAACCATTGCAGGTGCCCTTA 1.29134 1 repeat_sense, igr_sense,
LOC_Os05g22750.1, LOC_Os09g27890.1, LOC_Os04g26700.1, LOC_Os10g22890.1, LOC_Os02g29630.1, LOC_Os08g16840.1, LOC_Os03g39500.1, LOC_Os02g32480.1, LOC_Os01g04720.1, LOC_Os05g25080.1, LOC_Os05g25080.2, LOC_Os12g04424.1, LOC_Os04g51950.1, LOC_Os09g35890.1, LOC_Os09g16750.1, LOC_Os08g37700.1, LOC_Os02g32770.1, LOC_Os02g11760.1, LOC_Os03g44544.1, LOC_Os06g46360.1, LOC_Os06g43820.1, LOC_Os01g04720.2, LOC_Os03g43050.1, LOC_Os02g47090.1, 365

101827 61 chr03|11973:9188244-9188321:-1
GGACTGTTTGGGGGAGCTTCTGGCAACTTGAGATTCTAGGAGAAGCTGCAGTGCTAGAAG
CTCCCCAAAACAGGTCC GGACTGTTTGGGGGAGCTTCTGGCA 0.59101 1

repeat_sense, igr_sense,
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101911 395 chr03|11973:10871350-10871454:-1

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TTATACTCCCTCCGTCCCAAAATAT 0.640425 1

repeat_sense, intron_sense,
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101912 395 chr03|11973:10871350-10871454:-1

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101942 45213 chr03|11973:11503757-11503850:-1

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1 igr_sense,

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39

101943 43 chr03|11973:11503748-11503859:-1

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102000 751 chr03|11973:12754153-12754225:-1

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repeat_sense, igr_sense,
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 102069 2671 chr03|11973:14499100-14499188:-1
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 AGTGTGA TGAGGGGATACCTGTGATGGGCC 0.851761 1 repeat_sense, igr_sense,
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102142 679 chr03|11973:15765959-15766066:-1

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102144 101 chr03|11973:15773433-15773588:-1
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_Os03g27054.1, LOC_Os05g15150.1, 281

102168 1523 chr03|11973:15998917-15999030:-1
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_Os06g34920.1, LOC_Os03g28360.1, LOC_Os03g02840.2, 123

102203 127 chr03|11973:16707708-16707797:-1
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OC_Os05g18294.4, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC_Os12g22910.1, L
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_Os08g27180.1, 5460

102294 127 chr03|11973:18947871-18947948:-1
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repeat_sense, igr_sense,
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C_Os12g15870.1, LOC_Os08g23829.1, LOC_Os09g08790.1, 1643

102299 8649 chr03|11973:19166734-19166894:-1
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102318 8413 chr03|11973:19905108-19905217:-1

TAGGGGTGTAAGTGGCTAACCCGCGAAACCTACTTATAAGCTAAAATAAGCCGCGGACCCGCTTATTTTGACCTATAAGTGGGTTTCGCGGCTGACCCACTTACACCCTTA

GGGTGTAAGTGGCTAACCCGCGAAACC 0.346501 0

repeat_sense, igr_sense,

LOC_0s07g41090.1, LOC_0s11g27240.1, LOC_0s02g31840.1, LOC_0s03g60000.1, LOC_0s03g57660.2, LOC_0s08g42930.1, LOC_0s07g41090.3, 134

102327 45276 chr03|11973:20178818-20178911:-1

ATTGCTATTTTGCATGCGGGTGGCGCAACCGCACGCGAAAATTTTGATTTTCGCGTGC GG GTGATTACGTCGCCCCGACGCAAAAATAAAAAAT CTATTTTGCATGCGGGTGGC 0.45951

1 repeat_sense, igr_sense,

LOC_0s12g14210.1, LOC_0s06g36380.1, LOC_0s03g40210.1, LOC_0s04g28440.1, LOC_0s01g34970.1, 184

102392 395 chr03|11973:21493330-21493485:-1

GTATGACTTACTCCCTCCGTCCCAATAAAAACTCAACTTAGAAGGGGATGTGACCCCTCCTAGCACAACGAATCTTGATAAAGGACATCGCGACTTCACTGTCCTAGGAGGGGTCAAGTTGAGTTTTTTT TGGGACGGAGGGGGTATATTTTAGC TTACTCCCTCCGTCCCAATA 0.385212 1

repeat_sense, igr_sense,

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102393 45285 chr03|11973:21493708-21493860:-1
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GGCAGGGGTGGTGGGCTAGGCTG CTGCACCATCCGCTTGTGGCTGTG 0.0499041 1
igr_sense,
LOC_Os01g07010.1, LOC_Os11g47900.1, LOC_Os02g48880.1, LOC_Os04g23890.1, L
OC_Os04g40630.1, LOC_Os03g05180.1, LOC_Os01g07000.1, LOC_Os06g12740.1, L
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4g23890.2, LOC_Os05g47810.1, LOC_Os03g25980.2, LOC_Os03g48930.1, LOC_Os12
g18670.1, LOC_Os04g40630.2, 9
102428 127 chr03|11973:22459547-22459630:-1
GGTTGGTGCTACCAACCGGGACTAAAGATCTTAACTTTAGTCTATGATCCCGGTGATCTTT
AGCCCCGGTTGGTGCTACCAACC TACCAACCGGGACTAAAGATCT 0.568009 1
repeat_sense, igr_sense,
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102446 127 chr03|11973:22718949-22719064:-1
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CCGGTTGGTGTTACCAACCGGGACAA 1.35799 1repeat_sense, igr_sense,
LOC_Os09g19600.1, LOC_Os06g48450.1, LOC_Os08g24260.1, LOC_Os05g09210.1, L
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102447 127 chr03|11973:22718949-22719064:-1

TCTTTTATTCCGGTTGGTGTACCAACCGGGACAAAAGATAATAGGGATCTTTAGTACCAACAGGACTAAAAATATATCTTTTGTTCGGTTGGTATTACCAATCGGGACTAAGA

TTCCGGTTGGTGTACCAACCG 1.06632 1 repeat_sense, igr_sense, LOC_Os08g10160. 1, LOC_Os08g45200. 1, LOC_Os06g08720. 2, LOC_Os09g17360. 1, LOC_Os07g03930. 1, LOC_Os12g13480. 1, LOC_Os04g06630. 1, LOC_Os07g03110. 1, LOC_Os05g18294. 4, LOC_Os06g08720. 3, LOC_Os01g20950. 1, LOC_Os06g08720. 1, LOC_Os08g23829. 1, 5199

102490 127 chr03|11973:23998969-23999043:-1

CCGGGATCTTTAGTCCCGTTGGTATACGATCTTTAATCCCGTTGGTGTACCAACCGGGACTAAAGATCCCGG ATCTTTAGTCCCGTTGGTAT 0.0490106 1

repeat_sense, igr_sense, LOC_Os07g14430. 1, LOC_Os11g35750. 1, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os08g02990. 1, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os12g17280. 1, LOC_Os04g06630. 1, LOC_Os11g36280. 1, LOC_Os06g15730. 1, LOC_Os05g18294. 4, LOC_Os08g08310. 1, LOC_Os08g13430. 1, LOC_Os01g20950. 1, LOC_Os01g38580. 1, LOC_Os01g52590. 1, LOC_Os10g01560. 1, LOC_Os08g27180. 1, 13366

102543 395 chr03|11973:24826610-24826714:-1

GTTTATATGTATACTCCCTCCGTCCAAAAAACCCTCCACATGTGTCCAGGTTTAAATCTAGGATTGGGTTTTTTTGGGACGGAGGGAGTACGTATAAAC TGTATACTCCCTCCGTCCAA

0.160115 1 igr_sense, LOC_Os04g31120. 2, LOC_Os04g31120. 1, LOC_Os06g11090. 1, LOC_Os10g39140. 3, LOC_Os05g34550. 1, LOC_Os01g51800. 1, LOC_Os04g31120. 4, LOC_Os03g54900. 1, LOC_Os06g10810. 1, LOC_Os09g37570. 1, LOC_Os10g01820. 1, LOC_Os03g24730. 1, LOC_Os09g13440. 2, LOC_Os10g39140. 1, LOC_Os03g50620. 1, LOC_Os03g54900. 2, LOC_Os04g31120. 3, LOC_Os05g34550. 2, LOC_Os12g11660. 1, LOC_Os05g34240. 2, LOC_Os04g31120. 5, LOC_Os04g08828. 1, LOC_Os10g39140. 2, LOC_Os08g28710. 1, 951

102544 45308 chr03|11973:24826610-24826714:-1

GTTTATATGTATACTCCCTCCGTCCAAAAAACCCTCCACATGTGTCCAGGTTTAAATCTAGGATTGGGTTTTTTTGGGACGGAGGGAGTACGTATAAAC TATATGTATACTCCCTCCGT

0.446028 1 igr_sense,

LOC_0s06g10810. 1, LOC_0s10g41999. 1, LOC_0s05g25890. 1, LOC_0s01g68230. 1, LOC_0s02g05810. 2, LOC_0s12g16290. 1, LOC_0s06g23274. 1, LOC_0s06g02460. 1, LOC_0s05g45180. 2, LOC_0s02g05810. 1, LOC_0s01g68230. 2, 638

102572 6893 chr03|11973:25168969-25169058:-1

TTTTTGCATGCGGTTGTGTTGCCCGCATGGAGAAATAGCGATTTTACAGACCTTTTGTTCCATGCGGGCAGGCTAGCTGCATGGAAAGA GCATGCGGTTGTGTTGCCCGC 0.475672 1

repeat_sense, igr_sense,

LOC_0s03g41980. 1, LOC_0s03g47600. 1, LOC_0s02g56060. 1, LOC_0s04g53870. 1, LOC_0s07g09240. 1, LOC_0s09g29330. 1, LOC_0s12g11760. 1, LOC_0s01g09170. 1, LOC_0s06g37100. 1, LOC_0s10g10214. 1, LOC_0s07g33260. 1, LOC_0s01g37890. 1, LOC_0s01g60620. 1, LOC_0s03g54960. 1, LOC_0s05g37270. 1, LOC_0s07g33830. 1, LOC_0s05g47620. 1, LOC_0s04g48094. 1, LOC_0s06g37460. 1, LOC_0s08g18940. 1, LOC_0s06g32790. 1, LOC_0s08g14470. 1, LOC_0s04g21270. 1, LOC_0s01g63100. 1, LOC_0s05g28900. 1, LOC_0s07g30360. 1, LOC_0s02g52090. 1, LOC_0s11g34500. 1, LOC_0s07g30460. 1, LOC_0s02g22570. 1, LOC_0s03g38570. 1, LOC_0s07g40610. 1, LOC_0s04g45540. 1, LOC_0s01g27790. 1, LOC_0s08g35810. 1, LOC_0s06g06830. 1, LOC_0s12g42680. 1, LOC_0s10g30660. 1, LOC_0s02g04310. 1, LOC_0s04g20774. 1, LOC_0s01g50640. 1, LOC_0s02g50090. 1, LOC_0s02g17430. 1, LOC_0s02g04150. 1, LOC_0s11g31920. 1, LOC_0s08g32760. 1, LOC_0s07g43750. 1, LOC_0s04g19390. 1, LOC_0s03g16180. 1, LOC_0s05g26570. 1, LOC_0s06g15970. 1, LOC_0s03g01040. 1, LOC_0s02g16960. 1, LOC_0s07g38500. 1, LOC_0s11g34410. 1, LOC_0s09g14800. 1, LOC_0s02g09550. 1, LOC_0s03g13900. 1, LOC_0s04g17260. 1, LOC_0s03g06260. 1, LOC_0s06g16230. 1, LOC_0s12g37460. 1, LOC_0s02g27230. 1, LOC_0s03g39780. 1, LOC_0s01g47980. 1, LOC_0s02g26920. 1, LOC_0s08g35530. 1, LOC_0s01g49980. 1, LOC_0s05g02950. 1, LOC_0s05g20330. 1, LOC_0s04g27890. 1, LOC_0s05g04040. 1, LOC_0s05g23380. 1, LOC_0s01g17360. 1, LOC_0s01g22280. 1, LOC_0s10g22550. 1, LOC_0s09g25120. 1, LOC_0s03g15520. 1, LOC_0s05g01400. 1, LOC_0s04g46500. 1, LOC_0s04g39740. 1, LOC_0s07g45940. 1, LOC_0s04g02710. 1, LOC_0s01g22420. 1, LOC_0s10g16860. 1, LOC_0s09g09760. 1, LOC_0s03g39920. 1, LOC_0s01g61570. 1, LOC_0s05g19210. 1, LOC_0s05g41700. 1, LOC_0s08g23770. 1, LOC_0s01g41690. 1, LOC_0s01g19190. 1, LOC_0s08g23310. 1, LOC_0s01g13620. 1, LOC_0s07g41780. 1, LOC_0s08g23630. 1, LOC_0s12g09840. 1, LOC_0s09g24770. 1, LOC_0s04g12760. 1, LOC_0s07g36670. 1, LOC_0s11g30530. 1, LOC_0s10g30260. 1, LOC_0s01g46770. 1, LOC_0s02g05850. 1, LOC_0s01g15890. 1, LOC_0s11g13790. 1, LOC_0s04g32730. 1, LOC_0s04g59100. 1, LOC_0s09g01140. 1, LOC_0s07g37200. 1, LOC_0s05g26780. 1, LOC_0s05g37590. 1, LOC_0s05g10250. 1, LOC_0s02g06050. 1, LOC_0s08g06570. 1, LOC_0s04g04070. 1, LOC_0s05g38100. 1, LOC_0s04g20350. 1, LOC_0s09g14830. 1, LOC_0s05g09040. 1, LOC_0s07g35920. 1, LOC_0s12g28360. 1, LOC_0s06g42590. 1, LOC_0s07g31870. 1, LOC_0s01g14570. 1, LOC_0s01g01260. 1, LOC_0s04g07190. 1, LOC_0s06g44590. 1, LOC_0s08g19350. 1, LOC_0s04g04290. 1, LOC_0s07g24660. 1, LOC_0s01g34040. 1, LOC_0s08g07420. 1, LOC_0s11g47190. 1, LOC_0s08g24870. 1, LOC_0s03g01080. 1, LOC_0s05g37380. 1, LOC_0s08g20359. 1, LOC_0s04g20940. 1, LOC_0s01g37540. 1, LOC_0s01g09520. 1, LOC_0s01g37070. 1, LOC_0s08g33570. 1, LOC_0s08g25110. 1, LOC_0s11g42140. 1, LOC_0s01g60970. 1, LOC_0s06g29210. 1, LOC_0s06g39180. 1, LOC_0s02g34180. 1, LOC

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102719 615 chr03|11973:28318784-28318923:-1

AAAATTGTGTGTGTATGACAGGTTGATGTGATGGGATCCAACTTTGGTCCTTTTTCAT
CACATCAACCTGTCATACATTGGATCTAACTTTGGTCCTTTTCTATCACATCAACCTGTCATACACAC
GCAACTTTTT GTGTGTGTATGACAGGTTGA 1.47358 1

repeat_sense, igr_sense,

LOC_Os11g33340. 2, LOC_Os03g44000. 1, LOC_Os01g49630. 1, LOC_Os04g43440. 1, LOC_Os06g23274. 1, LOC_Os11g33340. 1, LOC_Os04g29990. 1, 1130

102761 797 chr03|11973:29132764-29132858:-1

GGACAGGATGATACCTCAGAGGTATCGTCTGATACCTAGATATCAACTGATACCTTACTAG
TATCAGGTGATACCTCAGAGGTATCATTCCGTTT TGATACCTCAGAGGTATCGTC 0.866145
1 repeat_sense, intron_sense,

LOC_Os05g09720. 1, LOC_Os10g36229. 1, LOC_Os05g35980. 1, LOC_Os10g01640. 1, LOC_Os01g01380. 1, LOC_Os11g29370. 1, LOC_Os08g37360. 1, LOC_Os11g09050. 1, LOC_Os12g35630. 1, LOC_Os03g40920. 1, 57

102763 10653 chr03|11973:29140280-29140377:-1

AGGTGGTGTGTTGGTGGAGGGACTAAAGTGGAGCTAACTTTAGTCCCTCTCACAAAAAAT
TTAGCCCCACTTTAGTCCCTCCAACCAACACCACCT TGTGTTGGTGGAGGGACTAA 0.354853
1 repeat_sense, igr_sense, intron_sense,

LOC_Os01g43470. 1, LOC_Os06g24310. 1, LOC_Os05g12280. 1, LOC_Os06g46050. 1, LOC_Os11g04320. 1, 207

102773 589 chr03|11973:29414950-29415050:-1

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0.0660868 1 intron_antisense, repeat_sense, igr_sense,

LOC_Os05g10690. 1, LOC_Os09g11020. 1, LOC_Os08g07380. 1, LOC_Os06g06080. 2, LOC_Os06g51210. 1, LOC_Os06g06080. 1, LOC_Os05g06440. 1, LOC_Os03g26880. 1, 74

102844 5649 osa-MIR167b chr03|11973:30497338-30497500:-1

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AGCTCGCTGTTTTGAAACAGGAAGGCGGCTAGCTGAGGCTTCTTCTGAGTACGTGATGGTTAGATCATG
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igr_sense, HASH(0x1b7b6444)
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 102990 45373 osa-MIR390 chr03|11973:34214074-34214164:-1
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 _0s02g30670.1, 212
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103375 1609 chr04|11974:3419437-3419543:-1

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103487 2373 chr04|11974:4716506-4716634:-1

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103535 127 chr04|11974:5379817-5379909:-1

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103553 127 chr04|11974:5565659-5565745:-1

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103556 213 chr04|11974:5615601-5615791:-1

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103575 1101 chr04|11974:5861898-5861985:-1

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104872 101 chr04|11974:22951242-22951365:-1

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104899 25 chr04|11974:23368231-23368318:-1

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104933 127 chr04|11974:23717661-23717749:-1

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104998 6133 osa-MIR156e chr04|11974:24807232-24807335:-1

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105059 1385 chr04|11974:25653052-25653192:-1

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105077 249 chr04|11974:25857254-25857390:-1

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105149 45908 chr04|11974:27066151-27066243:-1

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105296 249 chr04|11974:29531959-29532095:-1

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105345 1421 osa-MIR169c chr04|11974:30493255-30493370:-1
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 105350 679 chr04|11974:30531330-30531437:-1
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105650 9495 osa-MIR393b chr04|11974:34712812-34712924:-1

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105818 395 chr05|11975:2399068-2399171:-1

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105820 1941 chr05|11975:2402676-2402801:-1

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105911 101 chr05|11975:4476156-4476301:-1
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105912 101 chr05|11975:4476155-4476302:-1
CAATTCTATGGTCCTTGAGGACGTACCATGAGGTACCACTTTTCTATTGTAAATTTAGTA
TCTCTTGATACTTTGGTACCATGAGGTACCAAATTTTACACTAAATTTTGGTACCTCATGGTACCTCC
TCAAGGACCGTAAAAATTG GTCCTTGAGGACGTACCATG 0.472792 1

repeat_sense, intron_sense,
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105915 61 chr05|11975:4610960-4611036:-1
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105964 2373 chr05|11975:5465806-5465935:-1
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106027 46121 chr05|11975:6511514-6511633:-1
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intron_antisense, igr_sense,
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106044 1871 chr05|11975:6949675-6949769:-1

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106064 127 chr05|11975:7331634-7331726:-1

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 106133 127 chr05|11975:8817052-8817144:-1
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106459 1101 chr05|11975:17457747-17457834:-1

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106544 101 chr05|11975:19132325-19132474:-1

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CTCAAGGACCGTAAAAATTGC CGGTCTTTCAGGAGGTACCA 0.872564 1

repeat_sense, igr_sense,

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106654 421 chr05|11975:21097644-21097769:-1

CCTAGCCTTAAGTTGAGCTCTGGGTGCCATCGACGCCCCGGGACCCCTGTGCTGGCTCTTC
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AGTTGAGCTCTGGGTGCCATC 1.03135 1

repeat_sense, igr_sense, intron_sense,

LOC_0s04g12560.1, LOC_0s08g04350.1, LOC_0s08g04340.1, LOC_0s08g13970.1, LOC_0s09g24230.1, 40

106760 423 chr05|11975:23421786-23421976:-1

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TTCAATGACAAGTTGAGGGACCTTCG 0.73996 1repeat_sense, igr_sense,
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106837 127 chr05|11975:24756248-24756371:-1

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GATCTTTAGTCCCGGTTGGTAACAC 0.39291 1

intron_antisense, repeat_sense,

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106838 127 chr05|11975:24756248-24756371:-1

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intron_antisense, repeat_sense,

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106845 8413 chr05|11975:24976191-24976300:-1

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repeat_sense, igr_sense,

LOC_0s07g41090. 1, LOC_0s11g27240. 1, LOC_0s02g31840. 1, LOC_0s03g60000. 1, LOC_0s03g57660. 2, LOC_0s08g42930. 1, LOC_0s07g41090. 3, 134

106882 405 chr05|11975:26025909-26026016:-1

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GCATCAAAGTGAACAGGTCCTTAA 1.17702 1

intron_antisense, repeat_sense,

LOC_0s08g29160. 2, LOC_0s05g51790. 2, LOC_0s02g09180. 1, LOC_0s05g43910. 1, LOC_0s06g47890. 2, LOC_0s08g39400. 1, LOC_0s09g27080. 1, LOC_0s02g05340. 1, LOC_0s08g20000. 1, LOC_0s08g31740. 1, LOC_0s03g20420. 2, LOC_0s08g06230. 1, LOC_0s05g45380. 1, LOC_0s03g15600. 1, LOC_0s08g29160. 1, LOC_0s07g10540. 1, LOC_0s08g06220. 1, LOC_0s02g58790. 2, LOC_0s05g51790. 1, LOC_0s02g05340. 2, LOC_0s03g15600. 2, LOC_0s03g61510. 1, LOC_0s11g02300. 1, LOC_0s05g38710. 1, LOC_0s09g27080. 2, LOC_0s08g43370. 1, LOC_0s09g15800. 1, LOC_0s03g07940. 1, LOC_0s06g47890. 1, LOC_0s11g02300. 2, LOC_0s05g51590. 1, LOC_0s03g20420. 3, LOC_0s04g42600. 1, LOC_0s02g01790. 2, LOC_0s02g01790. 1, LOC_0s11g29920. 1, LOC_0s07g47090. 1, LOC_0s05g15390. 1, 958

106883 405 chr05|11975:26025908-26026017:-1

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ATAGCATCAAAGTGAACAGGTCC 0.870573 1

intron_antisense, repeat_sense,

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106901 395 chr05|11975:26277476-26277575:-1

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106902 395 chr05|11975:26277476-26277575:-1

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0. 469847 1 igr_sense,

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106915 1385 chr05|11975:26660419-26660559:-1

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106916 395 chr05|11975:26727364-26727454:-1

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106919 213 chr05|11975:26778969-26779143:-1

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ATTTTTTTAAATAAGACGGACGGTCAAACGTTGGACACGGAAACC

TTTCCGTGTCCAACCTTGACTGTC 0.1608 1 repeat_sense, igr_sense,

LOC_Os04g39880. 2, LOC_Os03g52000. 1, LOC_Os07g49480. 2, LOC_Os04g20474. 2, LOC_Os10g07340. 1, LOC_Os06g16040. 1, LOC_Os04g45820. 1, LOC_Os08g17990. 1, LOC_Os03g21260. 1, LOC_Os04g39880. 1, LOC_Os03g12620. 1, LOC_Os06g50154. 1, LOC

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106925 101 chr05|11975:26863200-26863350:-1

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CATGGTACCTCATAGTACCTAGGTACCAAGAGGTACCAAAATTTACAATAGAAAAAAGGTACCTCATAGT
AGCTCCTCAAGAACCGTAAAA CTTGAGGAGGTACCATGAGGTA 0.633763 1

repeat_sense, igr_sense,

LOC_Os09g09400. 1, LOC_Os01g49730. 1, LOC_Os12g25180. 1, LOC_Os05g03480. 3, LOC_Os11g24270. 1, LOC_Os11g27240. 1, LOC_Os12g37910. 2, LOC_Os07g06980. 1, LOC_Os09g30474. 1, LOC_Os08g01070. 1, LOC_Os12g03720. 1, LOC_Os01g55974. 3, LOC_Os03g42230. 1, LOC_Os01g52380. 1, LOC_Os11g13750. 1, LOC_Os02g31840. 1, LOC_Os05g35130. 1, LOC_Os01g66760. 1, LOC_Os12g37910. 1, LOC_Os11g15450. 1, LOC_Os03g27054. 1, LOC_Os05g15150. 1, 386

106938 46229 chr05|11975:27100402-27100490:-1

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106985 1871 chr05|11975:28299833-28299968:-1

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CTTCCC GGGGCTAAACTTTAGTCCCT 0.694686 1 repeat_sense, igr_sense,
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OC_0s09g38950.1, 594

107042 395 chr05|11975:29644294-29644401:-1

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OC_0s08g16350.2, LOC_0s10g22060.1, LOC_0s04g54560.1, LOC_0s11g09260.1, L
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107043 395 chr05|11975:29644287-29644406:-1

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107096 437 chr06|11976:1156591-1156656:-1

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107121 1523 chr06|11976:1785569-1785699:-1

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107164 395 chr06|11976:2697641-2697739:-1

AGCAGTACTCCCTCCGTCCTCAACCTCGTACTACGACGTGACACATCCTAGT
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0.718228 1 intron_antisense, repeat_sense,
LOC_Os03g01360. 4, LOC_Os06g43680. 1, LOC_Os11g11060. 1, LOC_Os03g22050. 1, L
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107522 127 chr06|11976:8454217-8454308:-1

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107576 127 chr06|11976:9226470-9226591:-1

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CCGGTTGGTGTTACCAACCGAGA 0.727305 1 repeat_sense, igr_sense, LOC_0s09g32680. 3, LOC_0s08g45200. 1, LOC_0s09g32680. 2, LOC_0s09g17360. 1, LOC_0s12g13480. 1, LOC_0s04g06630. 1, LOC_0s01g47350. 1, LOC_0s09g32680. 1, LOC_0s01g67880. 1, LOC_0s05g18294. 4, LOC_0s01g20950. 1, LOC_0s08g23829. 1, 5256

107590 127 chr06|11976:9519933-9520023:-1

GATATCTTTAGTCCCGGTTGTTGAGAACAACCGGGAGTAAAGAAAAGATCTTTACTCCCGGTTGTTGAGAACAACCGGCACTAAAGATATC ATCTTTAGTCCCGGTTGTTG 0.0696635 1

repeat_sense, igr_sense,

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107628 127 chr06|11976:10042639-10042731:-1

AGATATCTTTAGTCCCGGTTGTTGAGAACAACCAGAAGTAAATATCTTTTCTTTACTCCCG

GTTGTCTCAACAACCGGGACTAAAGATATCT ATCTTTAGTCCCGGTTGTTG 0.162184
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 _Os04g23270.1, LOC_Os01g52590.1, LOC_Os01g38580.1, LOC_Os10g01560.1, LOC_
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 1g12740.1, LOC_Os02g10930.1, LOC_Os03g09830.2, LOC_Os03g42654.1, 433
 107720 127 chr06|11976:12011253-12011345:-1
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 CGGTTGGTGCTACCAACCGGGACTAAAGTCCC AACTTTAGTCCCGGTTGGTA 0.0990734
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 107728 4463 chr06|11976:12185041-12185130:-1
 TGTCCCTGCCGCCCAAGTAGAGGGCGGCAAGGTGTGCGCATTTTGCAGTGAAGTCCCTTG
 CCGCCCTCTGTAAGGGCTGCAAGGGGGTA TGCCGCCCAAGTAGAGGGCGGCAA 0.549522 1
 exon_sense, repeat_sense, cds_sense,
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 107753 1955 chr06|11976:12694472-12694661:-1
 GATACCGGTTAGGTATCAGGACCTGATACCTCGCAAGTATCACCTCTATGTGGTAAGAAT
 AGCATGATACCTAATAGGTATCATATGATACCTCACAAGTATCACCTGATATATGGTAGAATCGCTTGA
 TACCTGATAGGTATCACCTGATACCGGTTAGGTATCAGGACCTGATACCTCACAAGTATC
 TAGGTATCAGGACCTGATACCTCG 0.559112 1 repeat_sense, igr_sense,

LOC_Os02g32504. 2, LOC_Os05g24890. 1, LOC_Os05g18130. 1, LOC_Os07g36510. 1, LOC_Os02g43400. 1, LOC_Os12g42160. 1, LOC_Os08g36830. 1, LOC_Os08g37360. 1, LOC_Os11g09050. 1, LOC_Os08g33030. 1, LOC_Os09g31250. 1, LOC_Os08g34920. 1, LOC_Os04g33230. 1, LOC_Os05g35510. 1, LOC_Os11g03650. 1, LOC_Os04g46870. 1, LOC_Os02g32504. 1, LOC_Os11g18382. 1, LOC_Os05g41790. 1, LOC_Os04g32340. 1, LOC_Os06g32630. 1, LOC_Os05g20220. 1, LOC_Os05g23050. 1, 344

107767 127 chr06|11976:13025455-13025556:-1

GCGTTTAGGATCTTTAGTCCCGGTTTGTAAACACCAACCGAAACTAAAGATAGAATTTTGTAGTCCCGGTTGGTGTACAAAACCGGAATAAAAAATCAACACGT

TCTTTAGTCCCGGTTTGTAAACACC 0.558712 1 repeat_sense, igr_sense, LOC_Os11g35750. 1, LOC_Os10g08660. 1, LOC_Os02g50650. 1, LOC_Os09g17360. 1, LOC_Os08g26110. 1, LOC_Os12g13480. 1, LOC_Os12g17280. 1, LOC_Os04g06630. 1, LOC_Os08g26860. 1, LOC_Os11g36280. 1, LOC_Os08g26180. 1, LOC_Os06g15730. 1, LOC_Os08g26560. 1, LOC_Os07g23354. 1, LOC_Os08g13430. 1, LOC_Os08g23829. 1, LOC_Os06g32290. 1, LOC_Os01g15960. 1, LOC_Os01g52590. 1, LOC_Os01g38580. 1, LOC_Os04g13630. 1, LOC_Os10g01560. 1, LOC_Os08g27180. 1, 7390

107805 127 chr06|11976:13580719-13580796:-1

TCCGGGATCTTTAGTCCCGGTTGGTAAGATCGTAACTTTAGTCCCGATTGGTAACCAACCGG GACTAAAGATCTCGGG GGATCTTTAGTCCCGTTGGTA 0.034242 1

repeat_sense, intron_sense, LOC_Os07g14430. 1, LOC_Os11g35750. 1, LOC_Os10g08660. 1, LOC_Os01g28080. 1, LOC_Os02g50650. 1, LOC_Os08g02990. 1, LOC_Os09g17360. 1, LOC_Os12g17280. 1, LOC_Os04g06630. 1, LOC_Os11g36280. 1, LOC_Os06g15730. 1, LOC_Os05g18294. 4, LOC_Os08g08310. 1, LOC_Os08g13430. 1, LOC_Os01g20950. 1, LOC_Os01g38580. 1, LOC_Os01g52590. 1, LOC_Os10g01560. 1, LOC_Os08g27180. 1, 14585

107834 127 chr06|11976:14306196-14306276:-1

CTTTAGCCCCGGTTAGTAACACCAACCGAGACTAAAGTTACGATCTTTAGTCCCGGTTGGT GTTACTAGCCAGGACTAAAG CCCGGTTAGTAACACCAACCG 0.181385 1

intron_antisense, repeat_sense, LOC_Os09g17360. 1, LOC_Os12g13480. 1, LOC_Os04g06630. 1, LOC_Os10g28000. 1, LOC_Os05g18294. 4, LOC_Os08g23829. 1, 3865

107835 679 chr06|11976:14319433-14319540:-1

ACGGGCTCACCATTGCAGGAGGAATGGTCGGCTGGGGATCATTGGACCGATGTGCGGCCAT GCGTTCATCAACCTTCCTTGCCACCTCCTTGCATGCTGAGCTCGT

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GATGACTCATATGTGACGGGC 0.531644 1 repeat_sense, igr_sense,
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107987 6137 chr06|11976:17781844-17781952:-1
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 107993 127 chr06|11976:17906673-17906758:-1
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 108103 127 chr06|11976:20182801-20182927:-1
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 108235 127 chr06|11976:22513634-22513732:-1
 AGGCCCCCGGGATCTTTAGTCCCGGTGGTGCTAAAGATCGTAACCTTTAGTCCCGGTG
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 108260 127 chr06|11976:23040706-23040788:-1
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 108407 419 chr06|11976:25455771-25455864:-1
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108508 127 chr06|11976:27100658-27100773:-1
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108521 1421 osa-MIR169b chr06|11976:27294911-27295038:-1
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108659 101 chr06|11976:30199903-30200054:-1
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repeat_sense, igr_sense,
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108698 213 chr06|11976:30968044-30968215:-1
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intron_antisense, repeat_sense,
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108699 213 chr06|11976:30968044-30968215:-1

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0.885343 1 intron_antisense, repeat_sense,
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108700 213 chr06|11976:30968041-30968219:-1
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108746 127 chr07|11977:824116-824240:-1
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108808 101 chr07|11977:2177161-2177309:-1

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repeat_sense, igr_sense,

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108810 10231 osa-MIR160e chr07|11977:2215064-2215171:-1

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108902 5649 osa-MIR167d chr07|11977:4164594-4164705:-1

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 repeat_sense, intron_sense,
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109002 127 chr07|11977:6281174-6281254:-1
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109102 127 chr07|11977:9175768-9175863:-1

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109125 101 chr07|11977:10031841-10031996:-1

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repeat_sense, intron_sense,

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109152 4321 chr07|11977:10889658-10889785:-1
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109246 127 chr07|11977:13344781-13344878:-1
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109257 127 chr07|11977:13578124-13578225:-1
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 GGCTCACCATTGCAGGAGGA 0.00849271 1
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109499 46627 chr07|11977:19820195-19820327:-1

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GCC GAGCTCAGCTCGGGCTTGGT 0.319172 1 repeat_sense, igr_sense,
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109508 127 chr07|11977:20032278-20032430:-1

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TAACACCAACCGGAAAAAAGAT CCGGTTGGTGTACCAACCG 0.573865 1
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109546 589 chr07|11977:20901372-20901445:-1

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109571 46637 chr07|11977:21437875-21438015:-1

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intron_antisense, repeat_sense,

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109576 437 chr07|11977:21556657-21556727:-1

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CCTGTGACGG TCACAGGTGGGTACCTGTG 0.0478185 1
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109649 423 chr07|11977:22579431-22579543:-1

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109682 127 chr07|11977:23220310-23220416:-1

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ATCTTTAGTCCCGTTGGTGTTA 0.772048 1 repeat_sense, igr_sense,
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109730 395 chr07|11977:24463544-24463623:-1

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GGGAGTATGATGTTTCAGC GTACTCCCTCCGTCCCATGAAAAA 1.16564 1

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109857 10653 chr07|11977:26831307-26831407:-1
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 109873 127 chr07|11977:27202825-27202930:-1
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 109879 1385 chr07|11977:27327516-27327650:-1
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 109944 8545 osa-MIR164a chr07|11977:28521648-28521803:-1
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109998 46684 chr07|11977:29566943-29567072:-1
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110056 4111 chr08|11978:952523-952719:-1
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47

110069 993 chr08|11978:1244409-1244551:-1
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TAGGTAAAAGTGG CCACGTGGCATGCCAACGTGG 0.498769 1
repeat_sense, igr_sense,
LOC_0s07g30260.1, LOC_0s07g24020.1, LOC_0s09g13320.1, LOC_0s05g27990.1, L
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C_0s02g45380.1, 161

110133 46695 chr08|11978:2418760-2418852:-1
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1 igr_sense, LOC_0s06g27680.1, 72

110135 127 chr08|11978:2487394-2487511:-1
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OC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s08g31649.1, LOC_0s05g18294.4, L
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110139 315 chr08|11978:2578505-2578600:-1
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110141 315 chr08|11978:2578499-2578607:-1
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110367 127 chr08|11978:7817032-7817132:-1
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110395 1523 chr08|11978:8286274-8286407:-1
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110933 395 chr08|11978:20234442-20234523:-1
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AGGAACAGAGGGAGTATGACA GGTACTCCCTCCGTTCTCTAAATA 0.36914 1
repeat_sense, igr_sense,
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110936 10095 chr08|11978:20358890-20359020:-1

AAGTATCACATGATACGTGATAGGAATCGCCTAATACCTTATAGATACCTGATACCTCGCA
AGTATCCTAACATGCATCAGGTATAACCATCAAGTATCAGGCGATTCTACCACGTATCAGGTGATACT
T TGATACGTGATAGGAATCGCCT 0.961911 1

exon_sense, repeat_sense, cds_sense,

LOC_0s05g09720.1, LOC_0s02g32920.1, LOC_0s10g36229.1, LOC_0s03g40080.1, LOC_0s11g09050.1, LOC_0s06g16740.1, LOC_0s08g28070.1, LOC_0s08g33030.1, LOC_0s08g34920.1, LOC_0s01g11200.1, LOC_0s01g48580.1, LOC_0s03g11940.1, 88

110988 127 chr08|11978:21549458-21549574:-1

GATCTTTAGCCCCGGTTGGTGCTACCAACCGAGACTAAAGATCTTAACCTACCAACCGGGA
CTAATGATCCCCGGTGATCTTTAGCCCCGGTTGGTGCTACCAACCGGGACTAAAGTC

CCCCGGTTGGTGCTACCAACCGAGA 0.478278 1 repeat_sense, igr_sense,
LOC_0s02g45460.1, LOC_0s08g45200.1, LOC_0s02g06570.1, LOC_0s09g17360.1, LOC_0s12g13480.1, LOC_0s04g06630.1, LOC_0s01g51560.1, LOC_0s02g05930.1, LOC_0s01g47350.1, LOC_0s07g45760.1, LOC_0s05g08560.1, 4597

111023 443 chr08|11978:22372846-22373030:-1

GTTCGAACAAAATCCAACAGCTATCTTGGCAAGGGGATCCCTTCCCATTCTCATCCACTTT
TCTTTACACCACTGACATTTGAACTCTCATTTCTCTTTCTATCCTCTGTTTTGAGCAAAGGCTCC
CTTTCTCTAAAGGGAAGATGACCTTGCCAAGATAGCTGTTGGATTTTGTTC AAC

AATCCAACAGCTATCTTGGCA 0.757796 1 igr_sense,
LOC_0s06g27490.1, LOC_0s10g24220.1, LOC_0s01g70570.1, LOC_0s08g19950.1, LOC_0s08g22510.1, LOC_0s08g29770.1, LOC_0s05g18010.1, LOC_0s04g59510.1, LOC_0s02g57990.1, LOC_0s05g08130.1, LOC_0s12g11310.1, LOC_0s03g37180.1, LOC_0s05g22340.1, LOC_0s01g19640.1, LOC_0s12g24820.1, LOC_0s04g11680.1, LOC_0s07g20660.1, LOC_0s11g34880.1, LOC_0s01g70570.2, LOC_0s08g12140.1, LOC_0s04g18520.1, LOC_0s04g03260.1, LOC_0s08g02890.1, LOC_0s02g11090.1, LOC_0s08g21490.1, LOC_0s08g02380.1, LOC_0s01g34760.1, LOC_0s10g13470.1, LOC_0s11g02910.1, 17

111063 127 chr08|11978:23368521-23368659:-1

ATGATCTTTAGTCCCGGTTGGTGACACCAACCAGGATTAAAGATCCTCGGCCCCCTGACAT
CCTACTGACAGGGAATGAACCGGGACTAAAAATGATTTTATGTCCTGGTTGGTGTTACCAATCGGGATT
AAAAATCAT TTAGTCCCGGTTGGTGACACC 0.50676 1

repeat_sense, igr_sense,

LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s02g08060.1, LOC_0s12g13480.1, LOC_0s12g17280.1, LOC_0s03g19990.1, LOC_0s05g39470.1, LOC_0s07g23354.1, LOC_0s08g08310.1, LOC_0s08g13430.1, LOC_0s12g22910.1, LOC_0s08g23829.1, LOC_0s04g13630.1, LOC_0s08g27180.1, 5120

111150 589 chr08|11978:25168507-25168611:-1

TATAATATAAGGGATTTTGAAGGAGGTGACATATTCTAGGACTATGTATCTGGATCCAGA
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0.635174 1 repeat_sense, igr_sense,
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 _Os09g16930.1, LOC_Os01g63230.1, LOC_Os05g48030.2, LOC_Os09g15940.1, LOC_
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 s11g07440.1, LOC_Os02g20840.1, LOC_Os07g46600.1, LOC_Os08g26690.1, LOC_
 12g10310.1, LOC_Os02g54010.1, LOC_Os01g24220.1, LOC_Os02g48340.1, LOC_Os0
 5g34700.1, LOC_Os07g34300.1, LOC_Os02g18330.1, LOC_Os05g48030.1, LOC_Os04
 g29800.1, LOC_Os02g48340.3, LOC_Os12g25100.1, LOC_Os11g07440.2, LOC_Os08g
 25750.1, LOC_Os04g18790.1, 117
 111196 213 chr08|11978:26238523-26238701:-1
 GTGTGTTTCCGTGCCAACGTTTGACTGTCCGTCTTATATGAAAATTTTTTATAATTAGTAT
 TTTCATTGTTGTTAGATGATAAAATATGATTAATACTTTATGCGTGACTTATCTTTTTAATTTTTTCA
 TAATTTTTTCAAATAAAACGGACGGTCAAACGTTGGCACAGAAACCCAC
 CGTGCCAACGTTTGACTGTC 0.536678 1 repeat_sense, igr_sense,
 LOC_Os10g10170.4, LOC_Os03g24730.1, LOC_Os10g10170.2, LOC_Os06g50154.1, L
 OC_Os11g37540.1, 1064
 111198 1523 chr08|11978:26303320-26303453:-1
 GGGTCAGCGCCAAATACATTGGCGCTGAGGCCCTGCCACGTCGCGTCTCGCCCGCCACGCT
 GGCGCGATGTCAGCGCCAGTCCCATTGGCGCTGATATGAACAACCTCAGCGCCAAAGAGTTGGCGCTG
 AGCC TCAGCGCCAAATACATTGGCGCTGA 0.45085 1
 exon_sense, repeat_sense, cds_sense,
 LOC_Os08g41870.1, LOC_Os01g28720.1, LOC_Os12g22860.1, LOC_Os07g13140.1, L
 OC_Os02g28880.1, LOC_Os04g07260.1, LOC_Os01g44200.1, LOC_Os07g26560.1, L
 C_Os04g07130.1, LOC_Os06g22300.1, LOC_Os04g25430.1, LOC_Os04g09670.1, LOC
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 Os04g30290.1, LOC_Os01g27770.1, LOC_Os09g10360.1, LOC_Os03g28360.1, 207
 111212 46858 osa-MIR169q chr08|11978:26684649-26684749:-1
 CTCAGGCTAGCCAAGGAGACTGCCCATGAACCAGCTTAAAGGATCATTAATTTGCTAATCC
 TTCAGGGAGGACACAGGCAAGTCATCCTTGGCTATCAGAG TAGCCAAGGAGACTGCCCATG
 1 igr_sense,
 LOC_Os03g08910.1, LOC_Os03g04550.1, LOC_Os03g58520.1, LOC_Os04g57630.1, L
 OC_Os05g19560.1, 10
 111401 127 chr09|11979:1267091-1267194:-1
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 GCTCTGGGGTTTTCAACCGGGACTAAAGATCATTTGTAGTCCC AATGATCTTTAGTCCCGTTGGA
 0.748456 1 repeat_sense, igr_sense,
 LOC_Os07g14430.1, LOC_Os10g08660.1, LOC_Os01g28080.1, LOC_Os02g50650.1, L
 OC_Os09g11300.1, LOC_Os08g02990.1, LOC_Os09g17360.1, LOC_Os12g17280.1, L
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111523 127 chr09|11979:3193713-3193782:-1
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TAAAAATCC CTTTAGTCCCGGTTGGTGAT 0.570636 1
repeat_sense, igr_sense,
LOC_Os11g10400.1, LOC_Os03g27080.2, LOC_Os10g08660.1, LOC_Os02g50650.1, L
OC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os12g17280.1, LOC_Os04g06630.1, L
C_Os05g18294.4, LOC_Os03g27080.1, LOC_Os08g13430.1, LOC_Os01g20950.1, LOC
_Os01g38580.1, LOC_Os08g27180.1, 7056

111530 127 chr09|11979:3247829-3247929:-1
CCCCGGGATCTTTAGTCCCGGTTGGTAACACCAACCGGGGAATAAAGATCGTAACTTTAG
TCCCGGTTGGTAATACCAACCGGGACTAAAGATCTCGGGG GGGATCTTTAGTCCCGGTTGGTA
0.0458394 1 repeat_sense, igr_sense,
LOC_Os07g14430.1, LOC_Os11g35750.1, LOC_Os01g28080.1, LOC_Os02g50650.1, L
OC_Os08g02990.1, LOC_Os09g17360.1, LOC_Os12g17280.1, LOC_Os04g06630.1, L
C_Os11g36280.1, LOC_Os06g15730.1, LOC_Os05g18294.4, LOC_Os08g08310.1, LOC
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_Os01g52590.1, LOC_Os10g01560.1, LOC_Os08g27180.1, 14739

111633 127 chr09|11979:4903892-4903984:-1
GTAACCTTTAGTCCCGGTTGGTGTTACCAACCGGGACTAAAGATCACGGCGATCTTTAGCCC
CGGTTTCATAACACCAACCGGGACTAAAGTCCC AACTTTAGTCCCGGTTGGTGTTA
0.364109 1 repeat_sense, igr_sense,
LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os09g17360.1, L
OC_Os12g13480.1, LOC_Os12g17280.1, LOC_Os11g36280.1, LOC_Os05g18294.4, L
C_Os08g13430.1, LOC_Os01g20950.1, LOC_Os12g22910.1, LOC_Os01g38580.1, LOC
_Os10g01560.1, LOC_Os08g27180.1, 9039

111683 127 chr09|11979:5570222-5570313:-1
GTAACCTTTAGTCCCGGTTGGTGTTACCAACCGGAATAAAGACCCCGCGATCTTTAGCCC
GGTTCATAACACCAACTTGGACTAAAGTCCC CTTTAGTCCCGGTTGGTGTTA 0.559589
1 repeat_sense, intron_sense,
LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os09g17360.1, L
OC_Os12g13480.1, LOC_Os12g17280.1, LOC_Os11g36280.1, LOC_Os05g18294.4, L
C_Os01g20950.1, LOC_Os12g22910.1, LOC_Os01g38580.1, LOC_Os08g27180.1,
6447

111688 1523 chr09|11979:5653677-5653779:-1
ACCTCAGTGCCAGGACCGTTGGCGCTGAAGTTTGGCAACTCAGCGCCGATGCGGTTGGCAT
TGATGTTGGCCAGCTCAGCGCCGAAGCGGTTGGCACTGATGT
TCAGTGCCAGGACCGTTGGCGCTGA 0.0208591 1
repeat_sense, igr_sense,
LOC_Os12g13230.1, LOC_Os06g31320.1, LOC_Os04g12060.1, LOC_Os08g10150.1, L
OC_Os12g04610.1, LOC_Os12g15410.1, LOC_Os10g26650.1, LOC_Os03g05110.1, L
C_Os01g64320.1, LOC_Os06g22300.1, LOC_Os11g20780.1, LOC_Os03g26329.1, LOC
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s01g14520.1, LOC_Os03g28360.1, LOC_Os12g43850.1, 85

111724 127 chr09|11979:6148421-6148537:-1
GATCTTTAGCCCCGGTTGGTACTACCAACCGAGACTAAAGATCTTAACCTACCAACCGGGA
CTAATGATCCCCGGTGATCTTTAGCCCCGGTTGGTGCTACCAACCGGGACTAAAGTC
CCCCGGTTGGTACTACCAACCGAGA 0.655821 1 repeat_sense, igr_sense,
LOC_Os09g33680.2, LOC_Os09g32680.3, LOC_Os11g46250.1, LOC_Os09g32680.2, L
OC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os01g47350.1, L
C_Os09g32680.1, LOC_Os05g18294.4, LOC_Os09g33680.1, LOC_Os06g45270.1, LOC
_Os08g23829.1, 4792

111759 679 chr09|11979:6355975-6356082:-1
ACGGGCTCACCATTGCAGGAGGAATGGTCGGCTGGGGATCATTGGACTGATGTGCGGCCAT
GCGTTCATCAACCTTCCTTGCCACCTCCTCTGCATGCTGAGCTCGT
GGCTCACCATTGCAGGAGGAA 0.187823 1 repeat_sense, igr_sense,
LOC_Os08g14670.1, LOC_Os09g11060.1, LOC_Os09g04190.1, LOC_Os12g38670.1, L
OC_Os05g19720.1, LOC_Os01g66870.1, LOC_Os02g15330.1, LOC_Os08g04850.1, L
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111934 127 chr09|11979:8500224-8500310:-1

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 111991 101 chr09|11979:9352021-9352173:-1
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112021 127 chr09|11979:9806059-9806146:-1
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112192 11 chr09|11979:12018523-12018667:-1
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CTCACGTGAACCTCCACATGGCCCCACAATTTATAAAATTATTTTTTCGTGTTAATGGCATGTGGGTCCA
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112193 11 chr09|11979:12018523-12018667:-1
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112198 127 chr09|11979:12056511-12056577:-1
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intron_antisense, repeat_sense,
LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g17280.1, LOC_Os05g39470.1, LOC_Os08g13430.1, LOC_Os08g27180.1, 5550

112249 1945 chr09|11979:12700098-12700196:-1
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112356 5615 chr09|11979:14108758-14108845:-1
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 112362 437 chr09|11979:14233925-14234023:-1
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 0.864204 1 repeat_sense, igr_sense,
 LOC_Os10g31000.2, LOC_Os08g07774.1, LOC_Os01g40450.1, LOC_Os10g29110.1, LOC_Os12g05200.1, LOC_Os04g25720.1, LOC_Os11g20580.1, LOC_Os11g07830.1, LOC_Os11g35540.1, LOC_Os08g04340.1, LOC_Os11g39559.1, 513
 112363 437 chr09|11979:14233923-14234025:-1
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 112393 1421 osa-MIR169d chr09|11979:14619387-14619477:-1
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 112450 127 chr09|11979:15192857-15192952:-1
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112665 6133 osa-MIR156k chr09|11979:18288108-18288209:-1
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 114021 127 chr10|11980:10158249-10158367:-1
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 CCGGTTGGTAACACCAACCGGGA 0.67476 1 repeat_sense, igr_sense,
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CCCTGATAGCATTGAACCGGGACTAAAGAGGTTGGTGTTACCAACCGGGACTAAAGATCA
 TCTTTAGTCCCGTTGGTGT 0.345579 1 repeat_sense, igr_sense,
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114522 395 chr10|11980:15764486-15764586:-1

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0.387612 1 intron_antisense, repeat_sense,

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114536 127 chr10|11980:15927039-15927117:-1

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114542 47838 chr10|11980:15990989-15991078:-1

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114588 9341 chr10|11980:16255492-16255593:-1

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114629 395 chr10|11980:16695090-16695215:-1

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114760 47908 chr10|11980:18145476-18145583:-1

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115227 903 chr11|11981:558005-558075:-1

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115262 615 chr11|11981:1229081-1229187:-1

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115364 127 chr11|11981:3225620-3225712:-1
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 GGTACCTCCTCAAGGACCGTAGAATT TCCTTAAGGAGGTACCATGAGGTAC 0.649686 1
 repeat_sense, igr_sense,
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 OC_0s07g06980.1, LOC_0s08g40450.1, LOC_0s10g13700.1, LOC_0s01g55974.3, L
 C_0s01g52380.1, LOC_0s11g13750.1, LOC_0s04g54180.1, LOC_0s05g35130.1, LOC
 _0s05g43790.1, LOC_0s01g66760.1, LOC_0s11g15450.1, LOC_0s03g10490.1, LOC_
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116099 213 chr11|11981:19221059-19221243:-1

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TTCATAATTTTAAATAAGACGGACGGTCAAACGTTGGACACGGAAACCCAGGGTT

TTCCCGTGCCAACGTTTGACTGTCTGT 0.749919 1

repeat_sense, igr_sense,

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116135 395 chr11|11981:19936362-19936523:-1

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1 repeat_sense, igr_sense,

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repeat_sense, igr_sense,

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 116223 127 chr11|11981:21930177-21930300:-1
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 116239 1385 chr11|11981:22096501-22096612:-1
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 116249 127 chr11|11981:22286657-22286752:-1
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 0.0409156 1 repeat_sense, igr_sense,
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 116251 127 chr11|11981:22346450-22346571:-1
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 ATCTTTAGTCCCGGTTGGTA 0.0382988 1 repeat_sense, igr_sense,
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116258 48238 chr11|11981:22475712-22475800:-1

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igr_sense,

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116273 48242 chr11|11981:22852398-22852514:-1

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TCCAATCTCTAATATTATTAGTTACTTGGATGTCAAGCCGGTCCTCCCTATATATA

GGGAGGATAGGCTTGGCATCCA 1.13932 1 igr_sense,

LOC_0s01g37060.1, LOC_0s10g25530.1, LOC_0s05g23080.1, LOC_0s10g16910.1, LOC_0s06g17750.1, LOC_0s08g21860.1, LOC_0s12g19920.1, LOC_0s09g10470.1, LOC_0s09g01260.1, LOC_0s06g16890.1, LOC_0s10g16600.1, LOC_0s05g21040.1, LOC_0s11g12190.1, LOC_0s04g25030.1, LOC_0s04g16510.1, LOC_0s02g32504.2, LOC_0s09g32010.1, LOC_0s02g38550.1, LOC_0s07g24740.1, LOC_0s09g32010.2, LOC_0s03g23840.1, LOC_0s06g25810.1, LOC_0s08g29250.1, LOC_0s11g12090.1, LOC_0s05g22430.1, LOC_0s05g26320.1, LOC_0s09g12940.1, LOC_0s10g24560.1, LOC_0s04g16810.1, LOC_0s01g22170.1, LOC_0s04g25010.1, LOC_0s10g06170.1, LOC_0s01g08170.1, LOC_0s12g22990.1, LOC_0s12g11290.1, LOC_0s04g25020.1, LOC_0s09g21860.1, LOC_0s02g16170.1, LOC_0s04g17240.1, LOC_0s07g38340.1, LOC_0s03g23160.1, LOC_0s04g06450.1, LOC_0s04g06374.1, LOC_0s10g06290.1, LOC_0s01g30932.1, LOC_0s06g31730.1, LOC_0s01g10610.1, LOC_0s04g07370.1, LOC_0s06g25110.1, LOC_0s05g20180.1, LOC_0s10g06330.1, LOC_0s08g12080.1, LOC_0s08g33479.1, LOC_0s07g16460.1, LOC_0s06g31480.1, LOC_0s10g09220.1, LOC_0s09g23920.1, LOC_0s11g24012.1, LOC_0s05g08290.1, LOC_0s07g30880.1, LOC_0s07g39240.1, LOC_0s06g31430.1, LOC_0s10g11690.1, LOC_0s09g01250.1, LOC_0s04g16430.1, LOC_0s05g16960.1, LOC_0s05g17000.1, LOC_0s02g13470.1, LOC_0s12g28490.1, LOC_0s12g22250.1, LOC_0s10g12808.1, LOC_0s09g09130.1, LOC_0s08g11930.1, LOC_0s07g16850.1, LOC_0s06g05780.1, LOC_0s08g11920.1, LOC_0s06g06680.1, LOC_0s01g39570.1, LOC_0s04g16100.1, LOC_0s01g34970.2, LOC_0s05g18490.1, LOC_0s01g34970.1, LOC_0s12g28990.1, LOC_0s02g32504.1, LOC_0s06g32050.1, LOC_

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116284 1385 chr11|11981:22976089-22976209:-1

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LOC_Os03g27530.1, LOC_Os06g31920.1, LOC_Os09g31482.2, LOC_Os01g02120.1, LOC_Os06g31950.1, LOC_Os01g58350.1, LOC_Os06g11750.1, LOC_Os01g63480.1, LOC_Os09g31482.3, LOC_Os09g31482.1, LOC_Os03g49310.1, LOC_Os11g09010.1, 186

116307 423 chr11|11981:23498318-23498430:-1

GATGACAAGTTGAGGGACCTTAGGTGTACTTTTTTCATTTCTTAATTTATATACTACCTGA
AAGGCTGAAATGAATAGGAAAAAGTACACCGAAGGTCCCTTAAGTTGTCATC

TGAGGGACCTTAGGTGTACT 1.43181 1 repeat_sense, igr_sense,
LOC_Os03g22500.1, LOC_Os02g40720.1, LOC_Os02g10670.1, LOC_Os01g04320.1, LOC_Os07g04730.1, LOC_Os01g65810.1, LOC_Os07g38890.1, LOC_Os05g46110.1, LOC_Os12g05060.1, LOC_Os06g22970.1, LOC_Os05g25940.1, LOC_Os04g38260.1, LOC_Os04g22800.1, LOC_Os12g07910.1, LOC_Os08g06560.1, LOC_Os01g14630.1, LOC_Os01g39490.1, LOC_Os02g14300.1, LOC_Os03g10760.1, LOC_Os12g29610.1, LOC_Os11g24790.1, LOC_Os05g27970.1, LOC_Os06g20130.1, 1318

116418 127 chr11|11981:26172744-26172836:-1

GTAACCTTTAGTCCCGGTTGGTAATACCAACCGGGACTAAAGATCCCGGTGATCTTTAGCCC
CGGTTGGTGCTACCAACCGGGACTAAAGTCCC AACTTTAGTCCCGGTTGGTA 0.136346

1 repeat_sense, intron_sense,
LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os11g36280.1, LOC_Os08g13430.1, LOC_Os01g38580.1, LOC_Os10g01560.1, 7440

116461 369 chr11|11981:27083956-27084053:-1

GGGAAAAAGTCCACTTAGACTCCCTTAATTGTTACCGAATCTAATTTGTGACCCTTAATC
GGTGAACAATTAAGGGAGTCTAAGTGGACTTTTTCCT AAAAAGTCCACTTAGACTCCCT

0.211404 1 repeat_sense, igr_sense,
LOC_Os10g07380.1, LOC_Os02g35820.1, LOC_Os08g26230.3, LOC_Os08g36130.1, LOC_Os02g13700.1, LOC_Os01g31890.1, LOC_Os02g35820.2, LOC_Os07g09160.1, LOC_Os09g38890.1, 416

116485 127 chr11|11981:27557351-27557446:-1

TGGTAACCTTTAGTCCCGGTTGGTAATACCAACCGGGACTAAAGATCCCGGTGATCTTTAGC
CCCGGTTGGTGCTACCAACCGGGACTAAAGTCCCA TAACTTTAGTCCCGGTTGGTA

0.0409156 1 repeat_sense, igr_sense,
LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os11g36280.1, LOC_Os08g13430.1, LOC_Os01g20950.1, 8408

116490 395 chr11|11981:27610045-27610161:-1

CGTGTACTCCCTCCGTCCCTAAATATAAAAGATTTTGGTTAATGCCCGAATTCGTTGTACT

AGGATGTATCACATTAAACTAAAATCCCTTATATTTAGGGACGGAGGGAGTAGTTG

GTACTCCCTCCGTCCCTAAATATA 0.845878 1 repeat_sense, igr_sense,
LOC_Os01g09310.1, LOC_Os12g27340.1, LOC_Os04g33720.1, LOC_Os09g40000.2, LOC_Os03g42550.1, LOC_Os07g28260.2, LOC_Os08g30930.1, LOC_Os06g51180.1, LOC_Os09g16990.1, LOC_Os08g16350.2, LOC_Os09g37870.1, LOC_Os12g18729.6, LOC_Os06g11090.1, LOC_Os10g05069.2, LOC_Os10g22060.1, LOC_Os09g16220.1, LOC_Os12g03320.1, LOC_Os02g37950.1, LOC_Os01g51800.1, LOC_Os12g18729.4, LOC_Os02g32250.1, LOC_Os03g54900.1, LOC_Os06g10810.1, LOC_Os10g04610.1, LOC_Os01g57630.1, LOC_Os01g01720.1, LOC_Os08g25010.1, LOC_Os08g44450.3, LOC_Os08g32170.1, LOC_Os10g35500.1, LOC_Os03g56960.1, LOC_Os11g40390.1, LOC_Os06g06080.2, LOC_Os01g51440.1, LOC_Os03g61950.1, LOC_Os06g08580.1, LOC_Os02g40330.1, LOC_Os12g13010.1, LOC_Os03g29540.2, LOC_Os01g12820.1, LOC_Os12g18729.2, LOC_Os08g12430.2, LOC_Os12g39380.1, LOC_Os10g01820.1, LOC_Os01g10580.1, LOC_Os03g24730.1, LOC_Os06g12790.3, LOC_Os09g17730.1, LOC_Os07g28260.1, LOC_Os11g43760.1, LOC_Os07g28570.1, LOC_Os09g13440.2, LOC_Os03g16470.2, LOC_Os02g02740.2, LOC_Os01g15780.2, LOC_Os12g16290.1, LOC_Os07g09460.1, LOC_Os08g36030.1, LOC_Os07g36570.1, LOC_Os02g10210.1, LOC_Os07g28260.4, LOC_Os06g12790.1, LOC_Os08g44850.1, LOC_Os11g30620.1, LOC_Os07g36950.1, LOC_Os01g06740.1, LOC_Os02g32250.2, LOC_Os02g40870.2, LOC_Os02g40330.2, LOC_Os01g64330.1, LOC_Os01g52760.2, LOC_Os12g18729.5, LOC_Os08g38480.1, LOC_Os05g37130.2, LOC_Os03g01240.1, LOC_Os02g02740.3, LOC_Os07g28260.5, LOC_Os10g37420.1, LOC_Os03g29970.1, LOC_Os03g61950.2, LOC_Os04g09900.2, LOC_Os08g44450.2, LOC_Os02g40870.1, LOC_Os06g06080.1, LOC_Os06g11500.1, LOC_Os12g18729.3, LOC_Os07g28260.3, LOC_Os03g54900.2, LOC_Os12g39250.1, LOC_Os06g02460.1, LOC_Os04g25740.1, LOC_Os12g11660.1, LOC_Os06g50154.1, LOC_Os03g62300.1, LOC_Os12g12470.2, LOC_Os02g38750.1, LOC_Os01g65130.1, LOC_Os05g34240.2, LOC_Os09g02214.3, LOC_Os11g32280.1, LOC_Os10g40740.1, LOC_Os12g06650.1, LOC_Os02g13210.1, LOC_Os01g60780.1, LOC_Os05g25430.1, LOC_Os06g30280.1, LOC_Os03g44230.1, LOC_Os09g08540.1, LOC_Os08g44450.1, LOC_Os09g24350.1, LOC_Os01g01720.2, LOC_Os12g18729.1, LOC_Os02g54000.1, LOC_Os08g16350.1, LOC_Os11g37540.1, LOC_Os01g58240.1, LOC_Os04g32340.1, LOC_Os02g34580.1, LOC_Os06g13050.1, LOC_Os06g12790.2, LOC_Os08g28710.1, LOC_Os07g28090.1, LOC_Os04g45970.1, LOC_Os03g03070.1, 10432

116494 127 chr11|11981:27652655-27652747:-1

GTAACCTTTAGTCCCGTTGGTAATACCAACCGGGACTAAAGATCCCGGTGATCTTTAGCCCGGTTGGTGCTACCAACCGGGACTAAAGTCCC AACTTTAGTCCCGTTGGTA 0.0789789
1 repeat_sense, igr_sense,
LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os11g36280.1, LOC_Os08g13430.1, LOC_Os01g38580.1, LOC_Os10g01560.1, 7440

116500 437 chr11|11981:27727823-27727917:-1

GCCCGTCGACATGAGTCATCCGTGACGAGCTCCATAGCAATGCCCGATTGAGATGACATT
TAGGCCCCGTCACGGATGAGTCATCTGTGACGGGC TCGCAGATGAGTCATCCGTGA 0.393913
1 repeat_sense, igr_sense,

LOC_Os11g39609.1, LOC_Os04g25720.1, LOC_Os11g10720.1, LOC_Os11g20580.1, LOC_Os11g39559.1, 194

116537 35 chr12|11982:229601-229714:-1

CCCTTCCGTCATCCGGTCAAACGTCCGATGTGACGCCCAAAAATTTCTTGTTTAGTTTGC
AAAAAGCAAATTTTTAGGTGTCACATTGAACGTTTGACCAGATATCGGAAGGG

ATCCGGTCAAACGTCCGATGTGAC 0.849666 1 repeat_sense, igr_sense,
LOC_Os06g50890.4, LOC_Os04g45650.1, LOC_Os04g45650.2, LOC_Os03g37960.1, LOC_Os12g28100.1, LOC_Os08g33479.1, LOC_Os06g50890.1, LOC_Os01g70770.1, LOC_Os10g39680.1, LOC_Os06g50890.2, LOC_Os03g51270.1, 1315

116564 903 chr12|11982:601849-601919:-1

GCACGCGGAGGAGGTGGTGTCTCGCCGGAGTACGAGGAGTTCGCCGTCAGGAACGCCGCC
CTTTGCGTCC ACGCGGAGGAGGTGGTGTCT 0.736582 1

exon_sense, cds_sense,
LOC_Os05g18990.1, LOC_Os07g20580.1, LOC_Os02g09690.1, LOC_Os10g41580.1, LOC_Os02g07570.1, LOC_Os04g05920.1, LOC_Os06g02670.1, LOC_Os09g17760.1, LOC_Os10g20450.1, LOC_Os01g60420.1, LOC_Os04g43170.1, LOC_Os06g35350.1, LOC_Os08g01220.1, LOC_Os05g09540.1, LOC_Os09g23540.1, LOC_Os01g48800.1, LOC_Os11g34020.1, LOC_Os04g30010.1, LOC_Os03g10900.1, LOC_Os05g42240.1, LOC_Os11g43670.1, LOC_Os11g03070.1, LOC_Os01g41690.1, LOC_Os01g66200.1, LOC_Os03g05740.1, LOC_Os03g37120.1, LOC_Os10g30260.1, LOC_Os06g02840.1, LOC_Os11g31890.1, LOC_Os06g24980.1, LOC_Os02g56020.1, LOC_Os01g72260.1, LOC_Os07g01550.1, LOC_Os03g13840.2, LOC_Os12g02840.1, LOC_Os01g09100.1, LOC_Os07g39370.1, LOC_Os11g42280.1, LOC_Os05g16460.1, LOC_Os11g18820.1, LOC_Os05g28300.1, LOC_Os11g17940.1, LOC_Os11g16550.1, LOC_Os06g04722.1, LOC_Os06g30520.1, LOC_Os07g40560.1, LOC_Os06g15830.1, LOC_Os11g43950.1, LOC_Os12g42340.1, LOC_Os10g08650.1, LOC_Os03g15680.1, LOC_Os03g13840.1, LOC_Os11g25530.1, 28

116591 615 chr12|11982:1136194-1136296:-1

ATTTGCCATCCGGTCCCATATGTCAGCCTCCTTCCACGTTTGGACAAATGAGATGTGGGAT
CAGGTGATGAAGGAGGCTGACATGTGAGACCGGGTAGAAAAT CCGGTCCCATATGTCAGCCT
0.714211 1 igr_sense,

LOC_Os12g05340.1, LOC_Os12g06464.1, LOC_Os11g03670.1, 77

116607 1523 chr12|11982:1423679-1423824:-1

GTCGTGGACTCAGCGCCATGGACATTGGCGCTAAGCTATAACGTATCAGCGCCAACGTCGT
TGGCGCTAAACTCTAATCCGAGGTGGCATGAATTCGCTGAGTCATCAGATCTCAGCGCCAATGTATTTG
GCGCTGAGGTCCAGAC TCAGCGCCATGGACATTGGCG 0.963014 1

repeat_sense, igr_sense,
LOC_Os08g41870.1, LOC_Os08g32800.1, LOC_Os01g28720.1, LOC_Os07g13850.1, LOC_Os12g22860.1, LOC_Os09g39740.3, LOC_Os03g63990.1, LOC_Os08g05360.1, LOC_Os12g22630.1, LOC_Os01g71740.1, LOC_Os10g04316.1, LOC_Os11g31410.1, LOC_Os02g28880.1, LOC_Os06g07600.1, LOC_Os11g19470.1, LOC_Os07g26560.1, LOC_Os11g31760.1, LOC_Os04g25430.1, LOC_Os07g34510.1, LOC_Os03g27680.1, LOC_Os05g08890.1, LOC_Os10g40220.1, LOC_Os03g53910.1, LOC_Os06g39530.1, LOC_Os

04g30290.1, LOC_0s05g07310.1, LOC_0s03g08460.1, LOC_0s06g34920.1, LOC_0s07g35930.1, LOC_0s09g04260.1, LOC_0s07g08220.1, LOC_0s11g31620.1, 60
 116624 437 chr12|11982:1743178-1743242:-1
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 TATT AGTCATCTGTGACGGGCATTAA 0.113335 1 repeat_sense, igr_sense,
 LOC_0s12g25330.1, LOC_0s01g24650.1, LOC_0s04g25720.1, LOC_0s11g20580.1, LOC_0s11g35540.1, LOC_0s09g17329.2, LOC_0s06g21040.1, 1517
 116685 48300 chr12|11982:2910597-2910663:-1
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 TCTCGA AGATCCTGGCACCACCTGGT 0.00971168 1 igr_sense,
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 116703 589 chr12|11982:3307047-3307155:-1
 AGGATGGGATTCTAGGACAACGAATCTGGACATAAGAACCCATCCTAGGACTACGAATCT
 GACCATACCTTATGTCCAGATTTCGTAGTCCTAGGATTAATCCCATCCT
 TCCTAGGACAACGAATCTGGACAT 0.885283 1
 repeat_sense, intron_sense,
 LOC_0s07g48840.2, LOC_0s03g24400.1, LOC_0s06g37610.1, LOC_0s04g48550.1, LOC_0s03g18030.1, LOC_0s11g01850.2, LOC_0s06g13110.1, LOC_0s06g10810.1, LOC_0s10g04610.1, LOC_0s06g06080.2, LOC_0s12g39380.1, LOC_0s05g51490.1, LOC_0s07g09050.2, LOC_0s01g54350.1, LOC_0s10g04050.2, LOC_0s11g40130.1, LOC_0s01g21640.1, LOC_0s04g46980.1, LOC_0s05g51490.2, LOC_0s06g06080.1, LOC_0s04g39210.1, LOC_0s07g48840.1, LOC_0s02g50880.1, LOC_0s10g18990.1, LOC_0s04g39060.1, LOC_0s11g24540.1, LOC_0s01g58240.1, LOC_0s10g04050.1, LOC_0s02g34580.1, LOC_0s09g14540.1, 1280
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 GCACGTGCGCACAATTTTGTGCGCGTCGGACACTGCAGTAGGCCAAAAGAAACCCTGCCGG
 TAAGCTTTGCCGACAATGGTGC GCGCGGC GTGCGCACAATTTTGTGCGCG 0.504254 0
 repeat_sense, cds_antisense, exon_antisense,
 LOC_0s06g33290.1, LOC_0s08g43640.1, LOC_0s06g37720.1, LOC_0s04g24070.1, LOC_0s05g24250.1, LOC_0s09g09680.1, LOC_0s02g33270.1, LOC_0s12g29190.1, LOC_0s09g01340.1, LOC_0s10g19130.1, LOC_0s04g05220.1, LOC_0s11g45240.1, LOC_0s07g45680.1, LOC_0s10g01360.1, LOC_0s04g23310.1, LOC_0s01g31730.1, LOC_0s08g37530.1, LOC_0s04g16370.1, LOC_0s12g31190.1, LOC_0s11g44060.1, LOC_0s07g47740.1, LOC_0s03g26390.1, LOC_0s06g36130.1, LOC_0s02g21780.1, LOC_0s10g40150.1, LOC_0s01g35480.1, LOC_0s09g09240.1, LOC_0s02g31180.1, LOC_0s12g20210.1, LOC_0s12g09860.1, LOC_0s05g32050.1, LOC_0s12g17740.1, LOC_0s07g45020.1, LOC_0s04g10850.1, LOC_0s04g53280.1, LOC_0s09g22360.1, LOC_0s11g28730.1, LOC_0s05g17030.1, LOC_0s09g27770.1, LOC_0s06g32870.1, LOC_0s04g18850.1, LOC_0s12g39610.1, LOC_0s06g45520.1, LOC_0s10g10830.1, LOC_0s05g15990.1, LOC_0s02g30030.1, LOC_0s07g46260.1, LOC_0s07g30580.1, LOC_0s07g06365.1, LOC_0s08g27280.1, LOC_0s04g15610.1, LOC_0s04g13030.1, LOC_0s02g07540.1, LOC_0s11g33070.1, LOC_0s01g37240.1, LOC_0s10g10810.1, LOC_0s09g08224

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116811 25 chr12|11982:5240672-5240779:-1

CGAAAATTATCTTCGACACGGACGGCCCGCCCGCTGCGAAGATCGCGATCTTCACAGTC
GTTGGCTTACAGGCGGACGGCCCGCCCGCCTGCGAAGACCCTTTTCG

ATCTTCGACACGGACGGCCGC 0.613989 1 repeat_sense, igr_sense,
LOC_Os06g03840. 1, LOC_Os05g15330. 1, LOC_Os06g17290. 1, LOC_Os11g39920. 1, LOC_Os09g16240. 1, LOC_Os01g29860. 1, LOC_Os08g11450. 1, LOC_Os01g04540. 1, LOC_Os10g20990. 1, 163

116838 615 chr12|11982:5755234-5755338:-1

CAAATGCCACCCGGGCCCCACATGTGACGCTCACTCTCCATTCAAACAAAAGTGATGCGGGA
CCCCGATAATGAGTAAGGCTGACATGTGGGCCCCGAGTGGTATTTG

ACCCGGGCCCACATGTCAGCCTCAC 0.411189 1igr_sense,
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116849 127 chr12|11982:5935651-5935731:-1
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repeat_sense, igr_sense,
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116852 127 chr12|11982:6121111-6121182:-1
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 CAACCGGGACT GGTGAGATATCAACCGGGA 0.0192379 1

repeat_sense, igr_sense,
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116855 127 chr12|11982:6150059-6150155:-1
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 116856 127 chr12|11982:6150059-6150155:-1
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 116899 127 chr12|11982:6706428-6706520:-1
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 1 repeat_sense, igr_sense,
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 116903 101 chr12|11982:6883004-6883139:-1
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 AAAATT TCCTTGAGGAGGTACCATGAGGTAC 0.842495 1
 repeat_sense, intron_sense,
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 GTAAAATTGC GGTCTTGAGGAGGTACCATGA 0.851257 1
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 116906 127 chr12|11982:6890895-6890996:-1
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 TCCCGGTTGGTGTACAAACCGGGAATAAAAAATCAACACGT
 TCTTTAGTCCCGGTTTGTAACACC 0.385402 1
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 116956 1945 chr12|11982:7884663-7884759:-1
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 116975 48345 osa-MIR419 chr12|11982:8234925-8235024:-1
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 117013 127 chr12|11982:9077388-9077520:-1
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 CCTGACAACAATCGAACCGGAATAAAATGATCTTTAGCCCCGATTGGTGTACCAACCAAGACTAAAGAT
 CCGGTTGGTAACACCAACCGGGA 0.608075 1 repeat_sense, igr_sense,
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 117084 127 chr12|11982:10361736-10361828:-1
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 1 repeat_sense, igr_sense,
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117085 1101 chr12|11982:10365487-10365574:-1
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CGACTGGTCTCCAGTCGGAGGCTGGTC **CGTCCGACTGGTTTCCAGTCGGGGGCTC** 0.735459
1 repeat_sense, cds_antisense, exon_antisense,
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117086 1101 chr12|11982:10365487-10365574:-1

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117355 127 chr12|11982:16270610-16270702:-1

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1 repeat_sense, intron_sense,

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 117465 17 chr12|11982:18293373-18293484:-1
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 GTGTCACCAACCGTGACTAAAGAT TCCCGGTTGGTAACACCAACCGG 0.752068 1
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 LOC_0s06g22430.1, LOC_0s02g50650.1, LOC_0s09g17360.1, LOC_0s08g31649.1, L
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 117533 213 chr12|11982:19534322-19534495:-1
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 AAAAAA
 ATTTTCATATAAGACGGACGGTCAAACGTTGTTGACACGGAAAC
 TCCGTGTCTAACGTTTGACCGTCC 0.713634 1 repeat_sense, igr_sense,
 LOC_0s09g39740.3, LOC_0s10g10170.4, LOC_0s03g61950.1, LOC_0s10g10170.2, L
 OC_0s03g61950.2, LOC_0s06g50154.1, LOC_0s04g08828.1, LOC_0s11g37540.1,
 1824

117534 395 chr12|11982:19554004-19554087:-1
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GGGACGGAGGGAGTAACTTTTCA TAGTACTCCCTCCGTCCCAATATAT 0.279386 1
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117587 1101 chr12|11982:20401555-20401642:-1

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 GGTAAATTTGTTTGGCTGAGCTCCAGCTTCAAAATGGATGGAGCTGGAGCCGTGCCAAGCA
 AGCC TGTTCGCTGAGCTCCAGCT 0.498626 0 repeat_sense, igr_sense,
 LOC_Os01g29370.1, LOC_Os07g04280.1, LOC_Os04g52880.1, LOC_Os07g46700.3, LOC_Os02g06350.1, LOC_Os02g41954.1, LOC_Os07g22120.1, LOC_Os12g17190.1, LOC_Os01g49230.1, LOC_Os09g28019.2, LOC_Os01g33204.1, LOC_Os11g03720.1, LOC_Os02g15530.1, LOC_Os10g05300.1, LOC_Os12g39360.1, LOC_Os11g28270.2, LOC_Os02g08410.1, LOC_Os02g40739.1, LOC_Os02g51920.1, LOC_Os07g45070.1, LOC_Os08g25420.1, LOC_Os11g16640.1, LOC_Os02g41954.2, LOC_Os10g31910.1, LOC_Os04g19910.1, LOC_Os07g46700.4, LOC_Os09g28019.1, LOC_Os09g37180.1, LOC_Os07g45070.2, LOC_Os07g13550.1, LOC_Os07g30210.1, LOC_Os07g46700.2, LOC_Os05g01380.1, LOC_Os10g08990.1, LOC_Os01g73860.1, 942
 117868 127 chr12|11982:25369520-25369612:-1
 GTAACCTTTAGTCCCGGTTGGTATTACCAACCGGGACTAAAGATCCCGGTGATCTTTAGCCC
 CGGTTGGTGCTACCAACCGGGACTAAAGTCCC AACTTTAGTCCCGGTTGGTA 0.0637703
 1 repeat_sense, intron_sense,
 LOC_Os11g35750.1, LOC_Os10g08660.1, LOC_Os02g50650.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os11g36280.1, LOC_Os08g13430.1, LOC_Os01g38580.1, LOC_Os10g01560.1, 7440
 117884 48466 chr12|11982:25710788-25710878:-1
 GCCGATCGCCGTCAACTGCGAGGTCGTGCTGTTTCGACCACCTACTGTGGATGCTGGACAAC
 GCCGTCGACCTCCGCGCCGGCGGCGACGGC TCGCCGTCAACTGCGAGGTCG 0.0602325 1
 exon_sense, cds_sense,
 LOC_Os09g19800.1, LOC_Os07g45370.1, LOC_Os03g06680.1, LOC_Os10g40559.1, LOC_Os03g25320.1, LOC_Os05g38990.1, LOC_Os08g32560.1, LOC_Os08g40960.1, LOC_Os07g46846.1, LOC_Os02g11710.1, LOC_Os05g25480.1, LOC_Os01g55710.1, LOC_Os03g12260.1, LOC_Os06g40170.1, LOC_Os10g22560.3, LOC_Os04g51580.1, LOC_Os12g38450.1, LOC_Os02g04780.1, LOC_Os10g22560.1, LOC_Os12g29820.1, LOC_Os06g34520.1, LOC_Os03g62340.1, LOC_Os01g46670.1, LOC_Os01g71520.1, LOC_Os03g13370.1, LOC_Os12g36550.1, LOC_Os09g30414.1, LOC_Os09g00998.1, LOC_Os11g44850.1, LOC_Os07g08030.1, LOC_Os08g25070.1, LOC_Os06g06660.1, LOC_Os06g13140.1, LOC_Os02g09750.1, LOC_Os02g30450.1, LOC_Os04g04720.1, LOC_Os01g16714.1, LOC_Os02g40070.1, LOC_Os12g13800.1, LOC_Os07g15370.1, LOC_Os11g35430.1, LOC_Os02g35890.1, LOC_Os09g30434.1, LOC_Os10g22560.2, LOC_Os09g19790.1, LOC_Os01g07530.1, LOC_Os04g01610.1, LOC_Os04g08750.1, 10

117885 127 chr12|11982:25714333-25714477:-1
ATCTTTACTCCCGTTGGTTTTACCAACCGGGACTATAAATAGATCTTTAGGCGTATGGCG
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ACCGGTACTAAAGATCCGGTTGGTTTTACCAACCGGGA 0.754408 1

repeat_sense, igr_sense,
LOC_Os11g36150.1, LOC_Os09g09250.1, LOC_Os08g22910.1, LOC_Os05g28250.1, LOC_Os08g45200.1, LOC_Os11g36180.1, LOC_Os09g06410.1, LOC_Os04g16630.1, LOC_Os09g17360.1, LOC_Os12g13480.1, LOC_Os04g06630.1, LOC_Os06g51540.1, LOC_Os06g25170.1, LOC_Os07g11720.1, LOC_Os06g25280.1, LOC_Os06g23730.1, LOC_Os01g31320.1, LOC_Os05g22500.1, LOC_Os11g15140.1, LOC_Os04g26720.1, LOC_Os05g23640.1, LOC_Os11g41020.1, LOC_Os09g05120.1, LOC_Os08g23829.1, LOC_Os08g13170.1, 4642

117928 395 chr12|11982:26381747-26381847:-1
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1.15627 1 repeat_sense, igr_sense,
LOC_Os08g14670.1, LOC_Os02g49400.1, LOC_Os10g01510.1, LOC_Os11g26040.1, LOC_Os11g23820.1, LOC_Os08g04300.1, LOC_Os02g25380.1, LOC_Os06g10360.1, LOC_Os12g38840.1, LOC_Os11g26230.1, LOC_Os09g09820.1, LOC_Os08g36840.1, LOC_Os08g36840.2, LOC_Os02g25540.1, LOC_Os03g52010.1, LOC_Os05g27850.1, LOC_Os12g25320.1, LOC_Os06g16720.1, LOC_Os03g44370.1, LOC_Os04g38450.1, LOC_Os01g08060.1, LOC_Os05g43650.1, LOC_Os12g31860.1, LOC_Os01g64100.1, LOC_Os03g40510.1, LOC_Os08g17130.1, LOC_Os03g56930.1, LOC_Os09g06820.1, LOC_Os08g19114.1, LOC_Os12g40920.2, LOC_Os09g06790.1, LOC_Os08g29280.1, LOC_Os03g44190.1, LOC_Os01g20090.1, LOC_Os02g30740.1, LOC_Os06g24490.1, LOC_Os10g16840.1, LOC_Os07g13060.1, LOC_Os09g15630.1, LOC_Os05g18880.1, LOC_Os11g37590.1, LOC_Os07g11820.1, LOC_Os09g03030.1, LOC_Os08g04920.1, LOC_Os06g42090.1, LOC_Os12g11340.1, LOC_Os04g34840.1, LOC_Os04g21920.1, LOC_Os09g25250.1, LOC_Os03g50070.1, LOC_Os12g16380.1, LOC_Os03g28010.1, LOC_Os04g22850.1, LOC_Os01g68230.1, LOC_Os02g45650.1, LOC_Os09g14430.1, LOC_Os12g11580.1, LOC_Os02g34160.1, LOC_Os07g06780.1, LOC_Os01g28370.1, LOC_Os02g43560.1, LOC_Os01g18570.1, LOC_Os02g50660.1, LOC_Os05g03574.1, LOC_Os09g14560.1, LOC_Os12g16290.1, LOC_Os03g29680.1, LOC_Os05g09230.1, LOC_Os08g04920.4, LOC_Os06g23274.1, LOC_Os06g36640.1, LOC_Os05g11670.1, LOC_Os06g33820.1, LOC_Os04g29450.1, LOC_Os04g35260.2, LOC_Os01g72300.1, LOC_Os01g19600.1, LOC_Os10g11454.1, LOC_Os12g26970.1, LOC_Os05g51140.1, LOC_Os01g70040.1, LOC_Os09g02620.1, LOC_Os06g40410.1, LOC_Os06g06560.1, LOC_Os02g44990.1, LOC_Os12g31860.2, LOC_Os06g42570.1, LOC_Os01g47680.1, LOC_Os05g16620.1, LOC_Os07g25310.1, LOC_Os09g09000.1, LOC_Os04g15870.1, LOC_Os01g18180.1, LOC_Os11g27520.1, LOC_Os09g25340.1, LOC_Os03g45519.1, LOC_Os09g04170.1, LOC_Os01g34620.7, LOC_Os09g10220.1, LOC_Os04g27500.1, LOC_Os05g19750.1, LOC_Os10g20430.1, LOC_Os05g50440.1, LOC_Os04g44000.1, LOC_Os01g36780.1, LOC_Os06g23260.1, LOC_Os04g02640.1, LOC_Os04g39610.2, LOC_Os02g38690.1, LOC_Os04g39610.1, LOC_Os04g04430.1, LOC_Os10g39520.1, LOC_Os01g63340.1, LOC_Os04g12

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SUPPORTING INFORMATION 2

The primer pairs for the amplification of OsActin1, pre-miRNAs and target genes were listed as follows:

Actin1, forward, 5'-GCCGTCCTCTCTCTGTATGC-3'; reverse, 5'-GGGGACAGTGTGGCTGAC-3';

miR192, forward, 5'-AGAGACCGTGTCGTTGT-3'; reverse, 5'-GGTTTGGATCTTTGGAT-3';

miR1060, forward, 5'-TTCACAGCCCCAAAACG-3'; reverse, 5'-CCATAGGCAACAAGTCG-3';

miR361, forward, 5'-GATGACGGTGCGACGAC-3'; reverse, 5'-CGGGAAGAGAGAAAGGG-3';

miR59, forward, 5'-GCGGAGGAGGTGGTGT-3'; reverse, 5'-GCGTCTTGGCGGGAAAT-3';

ABC (Os09g39910), forward, 5'-TTCCGCTTCACTGATGTTGG-3'; reverse, 5'-TCCTCGTTCCCTGGGTATTC-3'.