

!!NA_MULTIPLE_ALIGNMENT 1.0

PileUp of: @/home/michelle/.seqlab-aril/Calmodulin_tree.list

Symbol comparison table: GenRunData:pileupdna.cmp CompCheck: 6876

GapWeight: 5
GapLengthWeight: 1

Calmodulin_tree.msf MSF: 437 Type: N January 24, 2005 17:22 Check: 6889 ..

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Name: MtAF494214	Len: 437	Check: 3717	Weight: 1.00
Name: MtAF494212	Len: 437	Check: 7271	Weight: 1.00
Name: PsU13736	Len: 437	Check: 4913	Weight: 1.00
Name: GmL01433	Len: 437	Check: 6511	Weight: 1.00
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Name: AtNM_117546	Len: 437	Check: 3613	Weight: 1.00
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GmL01433	ATGGCAGATA	TCCTGAGTGA	AGAACAGATT	GTTGATTTTA	AAGAGGCCTT
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OsNM_191034	ATGGCGGACC	AGCTCTCCGA	AGAGCAGATT	GGAGAGTTCA	GGGAGGCCTT
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CaAJ010645	ATGGCAGAGC	AGCTAACAGA	GGAGCAGATC	GCTGAATTCA	AGGAGGCCTT
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CrAF510075	ATGGCTGAGC	AACTCACCAC	TGATCAGATT	GCGGAGTTCA	AGGAGGCCTT
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AtNM_114249	ATGGCGGATC	AGCTAACCGA	TGACCAGATC	TCCGAGTTCA	AGGAAGCTTT
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EgAF295637	ATGGCCGATC	AGCTCACGGA	CGACCAGATC	TCTGAGTTCA	AGGAAGCCTT
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OsX65016	ATGGCGGATC	AGCTCACCGA	CGAGCAGATC	GCCGAGTTCA	AGGAGGCGTT
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MsX52398	ATGGCCGATC	AACTCACCGA	CGAGCAGATC	TCTGAGTTTA	AGGAAGCTTT
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CaU83402	ATGGCAGATC	AGCTCACCGA	TGATCAGATC	TCTGAGTTTA	AGGAGGCTTT
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NtAB050839	ATGGCGGATC	AGCTAACCGA	TGACCAGATC	TCTGAGTTCA	AGGAGGCCTT
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BpX89890	ATGGCCGATC	AGCTAACCGA	TGACCAGATC	TCTGAATTTA	AAGAAGCCTT
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MsY13784	ATGGCCGACC	AGTTGACAGA	GGAGCAGATT	GCAGAGTTTA	AGGAAGCTTT
DsU62865	CCTGCGGACC	AGCTGACAGA	GGACCAGATA	GCGGAATTCa	AGGAGGCATT
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MtAF494212	CAGACTTCTC	GATAAGGATC	AAGATTTTTT	TATTGATAAT	GATGAACTTC
PsU13736	TGGTTTTGTTT	GACAAAGATG	GAGATGGTTG	CGTTACTGTG	GAAGAATTGG
GmL01433	TGGCTTGTTT	GACAAAGATG	GAGATGGTTG	CATTACTGTG	GAAGAACTTG
GmL19359	TGGCTTGTTT	GACAAAGATG	GTGATGGGTG	CATTACTGTG	GACGAATTTG
NtAB050849	CAGTCTATTT	GACAGAGATG	GAGATGGTTG	TATTACAGTT	GAAGAATTAG
AtNM_117546	TTGTCTCTTC	GACAAAGACG	GCGACGGTTG	TATAACGGTG	GAAGAACTTG
OsAF231026	CAGCCTCTTC	GACAAGGACG	GCGACGGTTC	TATCACCACC	AAGGAGCTAG
OsNM_191034	CAGCCTCTTC	GACAAGGACG	GCGACGGTTC	TATCACCACC	AAGGAGCTAG
NtAB050837	TAGCCTTTTT	GACAAGGACG	GCGATGGCTG	TATTACTACC	AAGGAATTGG
NtAB050838	TAGCCTTTTT	GACAAGGACG	GTGATGGCTG	TATTACTACC	AAGGAATTGG
StJ04559	TAGCCTTTTT	GACAAGGATG	GCGATGGCTG	TATTACTACC	AAGGAGTTGG
CaAJ010645	TAGCCTTTTT	GACAAGGACG	GCGATGGCTG	TATTACTACC	AAGGAGTTGG
PhM80832	TAGCCTTTTT	GACAAGGACG	GTGACGGCTG	TATTACTACC	AAGGAGTTGG
CsAF334833	TTCTTTGTTT	GACAAGGACG	GGGATGGCTG	CATCACTACC	AAAGAGTTGG
CrAF510075	CGGCTTGTTT	GACAAAGACG	GCGATGGTTG	TATTACTACA	AAGGAACTGG
CcAB041712	CAGTCTTTTT	GACAAGGATG	GCGATGGGAG	CATCACCACG	AAGGAGCTCG
CcAB044286	CAGTCTTTTT	GACAAGGATG	GCGATGGGAG	CATCACCACG	AAGGAGCTCG
StAF468661	CAGCCTATTC	GACAAAGATG	GAGATGGTTG	TATCACAAC	AAGGAATTGG
SrAF474074	CAGCCTATTC	GACAAAGATG	GAGATGGTTG	TATCACAAC	AAGGAATTGG
BoAJ427338	CAGCCTCTTC	GACAAGGATG	GCGATGGTTG	CATCACCACC	AAGGAGCTCG
AtNM_180529	TAGCCTCTTC	GATAAGGATG	GTGATGGTTG	TATCACCACC	AAGGAGCTCG
AtNM_114249	TAGCCTATTC	GACAAAGACG	GAGATGGTTG	TATCACCACA	AAGGAGCTTG
BjM88307	CAGCTTATTC	GACAAGGATG	GTGACGGTTG	CATTACCACC	AAGGAGCTGG
AtNM_115539	CAGCTTATTC	GACAAGGATG	GTGATGGTTG	CATTACCACC	AAGGAGCTGG
AtNM_180013	CAGCTTATTC	GACAAGGATG	GTGATGGTTG	CATTACCACA	AAGGAGCTTG
AtNM_123137	TAGCCTCTTC	GACAAAGATG	GCGATGGTTG	CATCACAACA	AAAGAGCTGG
AtNM_105312	TAGCCTCTTC	GACAAAGATG	GAGATGGTTG	CATCACCACA	AAGGAGCTGG
AtNM_128261	TAGCCTTTTT	GACAAAGACG	GAGATGGTTG	CATCACAACG	AAAGAGCTAG
NtAB050848	CAGCCTTTTT	GATAAGGATG	GAGATGGTTG	CATCACCAC	AAGGAGCTTG
NtAB050847	CAGCCTTTTT	GATAAGGATG	GAGATGGTTG	CATCACCAC	AAGGAGCTTG
StU20296	CAGCCTTTTT	GACAAAGACG	GAGATGGTTG	CATCACCAC	AAAGAGCTTG
PhM80836	TAGCCTTTTT	GACAAGGATG	GAGATGGTTG	CATCACCAC	AAGGAGCTTG
StU20295	CAGTCTTTTT	GACAAGGACG	GAGATGGTTG	TATCACAAC	AAGGAACTTG
ScAJ318520	CAGTCTTTTT	GACAAGGACG	GAGATGGTTG	TATCACAAC	AAGGAACTTG
NtAB050841	TAGTCTCTTT	GATAAGGACG	GAGATGGTTG	CATCACAAC	AAGGAGCTTG
NtAB050842	TAGTCTCTTT	GACAAGGACG	GAGATGGTTG	CATCACAAC	AAGGAGCTTG
NtAB050843	TAGCCTTTTT	GACAAGGACG	GCGATGGTTG	CATCACTACG	AAGGAGCTTG
NtAB050844	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	CATCACTACT	AAGGAGCTTG
PhM80831	TAGCCTATTC	GACAAAGATG	GAGATGGTTG	TATCACTACT	AAGGAGCTTG
CaX97558	TAGCCTCTTC	GATAAGGATG	GAGATGGTTG	CATCACAAC	AAGGAGCTTG
TaU48691	CAGCCTCTTC	GACAAGGATG	GGGACGGTTG	CATTACCACC	AAGGAGCTGG
TaU48692	CAGCCTCTTC	GACAAGGATG	GGGACGGTTG	CATTACCACC	AAGGAGCTGG
EgAF295637	CAGCTTGTTT	GACAAGGATG	GAGACGGTTG	CATCACAACC	AAGGAACTGG
LlL18912	CAGCCTGTTT	GATAAGGACG	GCGATGGTTG	CATCACAACC	AAAGAGCTCG
LlZ12839	CAGCCTGTTT	GATAAGGACG	GCGATGGTTG	CATCACAACC	AAAGAGCTCG

OsAF042839	CAGCCTCTTC	GACAAGGACG	GCGACGGTTG	CATCACTACT	AAGGAGCTTG
OsAF441190	CAGCCTCTTC	GACAAGGACG	GCGACGGTTG	CATCACTACT	AAGGAGCTTG
OsX65016	CAGCCTCTTC	GACAAGGACG	GCGACGGTTG	CATCACTACT	AAGGAGCTTG
ZmAF031482	CAGCCTCTTC	GATAAGGATG	GCGACGGCTG	CATCACTACC	AAGGAGCTTG
ZmX74490	CAGCCTCTTC	GATAAGGATG	GCGACGGCTG	CATCACTACC	AAGGAGCTTG
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TaU48688	CAGCCTCTTC	GACAAGGATG	GAGACGGCTG	CATCACCACC	AAGGAACTTG
TaU48689	CAGCCTCTTC	GACAAGGACG	GAGACGGCTG	CATCACCACC	AAGGAGCTTG
ZmX77397	CAGCCTCTTC	GACAAGGACG	GCGACGGCTG	CATCACCACC	AAGGAACTTG
ZmY13974	CAGCCTCTTC	GATAAGGACG	GCGACGGCTG	CATCACCACC	AAGGAACTTG
OsL18913	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	CATCACAACC	AAGGAGTTGG
OsZ12827	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	CATCACAACC	AAGGAGTTGG
OsAF441191	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	CATCACAACC	AAGGAGTTGG
HvM27303	CAGCCTCTTC	GACAAGGACG	GAGATGGTTG	CATCACCACC	AAGGAGCTGG
TaU49104	CAGCCTCTTC	GACAAGGACG	GAGATGGTTG	CATCACCACC	AAGGAGCTGG
TaU46893	CAGCCTCTTC	GACAAGGACG	GAGATGGTTG	CATCACCACC	AAGGAGCTGG
TaU49103	CAGCCTCTTC	GACAAGGACG	GAGATGGTTG	CATCACCACC	AAGGAGCTGG
TaU49105	CAGCCTATTC	GATAAGGACG	GCGACGGTTG	CATCACAACC	AAGGAGCTGG
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MtAF494220	CAGCCTATTC	GATAAGGATG	GCGATGGTTG	TATTACCACC	AAGGAGCTCG
MsX52398	CAGCCTATTC	GATAAGGATG	GCGATGGTTG	TATTACTACC	AAGGAGCTCG
VrS81594	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	CATTACTACC	AAGGAACTTG
VrL20691	CAGCCTCTTC	GACAAGGATG	GCGATGGTTG	CATTACTACC	AAGGAACTTG
PvAF030034	CAGCCTCTTC	GACAAGGATG	GCGATGGTTG	CATTACTACC	AAGGAACTTG
GmL01431	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	TATTACTACT	AAGGAACTTG
CaY09853	CAGTCTCTTC	GATAAGGACG	GCGATGGTTG	TATTACTACC	AAGGAACTTG
PvAF030033	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	TATTACAACC	AAGGAACTTG
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PaAF292108	CAGCCTCTTC	GACAAGGACG	GCGATGGTTG	CATCACTACC	AAGGAGCTTG
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BdL14071	CAGCTTGTTT	GACAAGGACG	GCGATGGCTG	CATCACCACC	AAGGAACTGG
DcX59751	CAGCCTGTTC	GACAAGGACG	GCGATGGTTG	CATCACTACC	AAGGAGCTTG
DcAY364012	CAGCCTGTTC	GACAAGGACG	GCGATGGTTG	CATCACTACC	AAGGAGCTTG
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CaU83402	CAGCCTATTC	GATAAGGACG	GAGATGGTTG	CATTACAAC	AAGGAGCTTG
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CaX98404	CAGCCTATTC	GATAAGGACG	GAGATGGTTG	CATTACAAC	AAGGAGCTTG
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NtAB050839	CAGCCTATTT	GACAAGGACG	GAGATGGTTG	CATCACGACT	AAGGAGCTTG
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ScAJ318521	CAGCTTGTTT	GACAAGGACG	GAGATGGTTG	CATCACGACC	AAGGAGCTTG
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BnAF150059	CAGCTTGTTT	GACAAGGATG	GCGACGGTTG	CATCACTACC	AAGGAACTTG
MtAF494219	CAGCTTATTC	GACAAGGATG	GCGATGGTTG	CATCACAACC	AAGGAGCTTG
PsU13882	CAGCCTATTC	GATAAGGATG	GCGATGGTTG	CATCACAACC	AAGGAGCTTG
VrL20507	TAGCTTGTTT	GACAAGGACG	GCGATGGTTG	TATCACAAC	AAGGAGCTCG
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GmL01432	CAGCTTGTTT	GATAAGGACG	GCGATGGTTG	CATCACAACC	AAGGAGCTTG
GmL01430	CAGTTTGTTT	GATAAGGATG	GCGATGGTTG	CATCACAACA	AAGGAGCTTG
AhAY517931	CAGCTTGCTC	GATAAGGACG	GCGATGGTTG	CATCACGACC	AAGGAGCTTG
MdX60738	CAGCCTTTTC	GACAAGGATG	GCGATGGTTG	TATCACCACA	AAGGAGCTTG
VvAY070232	CAGCTTGTTT	GACAAAGATG	GAGATGGTTG	TATCGCTACC	AAGGAGCTAG
BpX89890	CAGCCTCTTC	GATAAGGATG	GCGATGGTTG	TATCACAACA	AAGGAACTTG

PpX90560	CAGTTTATTT	GACAAGGATG	GCGATGGTAG	CATCACGACC	AAGGAGCTGG
MsY13784	CAGTCTATTC	GACAAAGATG	GTGACGGTAG	CATCACTACC	AAGGAACTTG
DsU62865	TGCGCTATTT	GACAAGGATG	GAGATGGCAC	CATCACAACG	AAAGAGCTGG
MtAF494215	CAACCTCTTC	GATAAGGATG	GAGATGGTTG	TATTTCTGCC	AAGGAATTTG
AtNM_129674	CAGCGTATAC	GACAAGAATG	GTGATGGTCA	CATTACCACA	GAGGAGTTCC
MtAF494216	CAGCCTCATC	GATAAGGATG	AAGATGGTTT	TATTGATAAT	GAA.....
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MtAF494214	ACACTCTAAT	ACGGTCTACT	GGCCTAAACC	CAACTGATTT	CGGCTTGATG
MtAF494212	ACACTCTAAT	ACGGTCGCTT	GGCCTAAACC	CAACGTTTTT	CGGCCTGATG
PsU13736	CCACTGTTAT	TAGGTCACTG	GATCAGAATC	CCACTGAGGA	AGAGCTACAA
GmL01433	CCACTGTCAT	TCGGTCATTG	GATCAGAACC	CCACTGAAGA	AGAGCTCCAA
GmL19359	TCACGGTTAT	CCGGTCATTG	GTTTCAAGACC	CCACAGAAGA	AGAGCTCCAA
NtAB050849	CGACAGTTAT	AAGGTCATTG	GATCAAAATC	CAACAGAGGA	AGAGCTGCAG
AtNM_117546	CAACAGTGAT	CCGTTTCGTTG	GATCAGAATC	CGACAGAACA	AGAACTTCAT
OsAF231026	GAACCGTGAT	GCGAAGTCTG	GGGCAGAACC	CAACAGAGGC	GGAGCTGCAG
OsNM_191034	GAACCGTGAT	GCGAAGTCTA	GGGCAGAACC	CAACGGAGGC	GGAGCTGCAG
NtAB050837	GAACAGTGAT	GAGATCACTT	GGTCAGAATC	CCACTGAAGC	TGAACTACAG
NtAB050838	GAACAGTGAT	GAGATCACTT	GGTCAGAATC	CCACTGAAGC	TGAACTACAG
StJ04559	GAACAGTGAT	GAGATCACTT	GGTCAGAATC	CCACTGAAGC	TGAACTACAG
CaAJ010645	GAACAGTGAT	GAGATCACTT	GGTCAGAATC	CCACTGAAGC	TGAACTACAG
PhM80832	GAACAGTGAT	GAGATCACTT	GGTCAGAATC	CCACTGAAGC	TGAACTTCAG
CsAF334833	GAACAGTCAT	GAGATCTTTG	GGACAGAATC	CCACTGAAGC	TGAACTACAG
CrAF510075	GGACTGTGAT	GCGGTCTCTT	GGCCAGAATC	CAACCGAGGC	TGAGTTGCAG
CcAB041712	GGACTGTGAT	GAGGTCTCTC	GGTCAGAATC	CTACGGAGGC	TGAGCTGCAG
CcAB044286	GGACTGTGAT	GAGGTCTCTC	GGTCAGAATC	CTACGGAGGC	TGAGCTGCAG
StAF468661	GAACAGTTAT	GAGATCAATTG	GGACAGAATC	CAACAGAAGC	TGAACTGCAA
SrAF474074	GAACAGTTAT	GAGATCAATTG	GGACAGAATC	CAACAGAAGC	TGAACTGCAA
BoAJ427338	GAACCGTGAT	GAGGTCTCTG	GGGCAAAACC	CGACAGAAGC	CGAGCTCCAA
AtNM_180529	GAACCGTGAT	GAGGTCTCTG	GGGCAAAACC	CAACAGAAGC	TGAGCTTCAA
AtNM_114249	GGACTGTGAT	GAGATCACTT	GGGCAGAACC	CGACAGAAGC	CGAGCTCCAG
BjM88307	GAACGTGAT	GCGTTCCTTA	GGACAGAACC	CAACCGAAGC	AGAGCTTCAA
AtNM_115539	GTACTGTGAT	GCGTTCCTT	GGACAAAACC	CAACCGAAGC	AGAGCTTCAA
AtNM_180013	GTACCGTGAT	GCGTTCCTC	GGTCAAAACC	CAACCGAAGC	TGAGCTTCAA
AtNM_123137	GAACAGTTAT	GCGTTCCTA	GGACAAAACC	CAACAGAGGC	TGAGCTCCAA
AtNM_105312	GAACAGTGAT	GCGGTCACTA	GGGCAGAACC	CAACAGAAGC	TGAGCTACAA
AtNM_128261	GAACAGTGAT	GAGATCATTG	GGTCAAAATC	CAACAGAAGC	AGAGTTACAA
NtAB050848	GGACAGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
NtAB050847	GGACAGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
StU20296	GAACGTGAT	GCGTTCCTT	GGACAAAACC	CAACTGAGGC	TGAGCTTCAA
PhM80836	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
StU20295	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
ScAJ318520	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
NtAB050841	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
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NtAB050843	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
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PhM80831	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
CaX97558	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
TaU48691	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
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EgAF295637	GAACGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	TGAGCTTCAA
LlL18912	GGACCGTTAT	GCGTTCCTT	GGACAAAACC	CAACAGAGGC	AGAGCTCCAG
LlZ12839	GGACCGTTAT	GCGTTCCTT	GGACAAAACC	CAACAGAGGC	AGAGCTCCAG
OsAF042839	GAACCGTGAT	GCGGTCTGTTG	GGACAAAATC	CAACTGAGGC	GGAGCTGCAG

OsAF441190	GAACCGTGAT	GCGGTCCCTT	GGTCAGAACC	CAACTGAGGC	GGAGCTGCAG
OsX65016	GAACTGTGAT	GCGGTCCCTT	GGTCAGAACC	CAACTGAGGC	TGAGCTCCAG
ZmAF031482	GAACTGTGAT	GCGCTCCCTT	GGCCAGAACC	CCACTGAAGC	AGAGCTGCAG
ZmX74490	GAACGGTGAT	GCGCTCCCTT	GGCCAGAACC	CTACCGAGGC	AGAGCTGCAG
TaU48242	GAACTGTGAT	GCGCTCGCTG	GGGCAGAACC	CCACTGAGGC	AGAGCTTCAG
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ZmX77397	GCACTGTGAT	GCGCTCATTG	GGGCAGAACC	CTACTGAGGC	TGAGCTTCAG
ZmY13974	GAACTGTGAT	GCGCTCGTTG	GGCCAGAACC	CTACTGAGGC	TGAGCTTCAG
OsL18913	GAACTGTGAT	GCGTTCACTA	GGGCAGAACC	CAACGGAAGC	TGAGCTCCAG
OsZ12827	GAACTGTCAT	GCGTTCACTA	GGGCAGAACC	CAACGGAAGC	TGAGCTCCAG
OsAF441191	GAACTGTCAT	GCGTTCACTA	GGGCAGAACC	CAACGGAAGC	TGAGCTCCAG
HvM27303	GAACAGTCAT	GCGCTCGCTG	GGGCAGAACC	CAACGGAGGC	TGAGCTCCAG
TaU49104	GAACAGTCAT	GCGTTCGCTG	GGGCAGAACC	CAACGGAGGC	TGAGCTCCAG
TaU46893	GAACAGTCAT	GCGTTCGCTG	GGGCAGAACC	CAACGGAGGC	TGAGCTCCAG
TaU49103	GAACAGTTAT	GCGTTCGCTG	GGGCAGAACC	CAACGGAGGC	TGAGCTCCAG
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OsAF042840	GAACCGTGAT	GCGTTCGCTG	GGGCAGAACC	CAACGGAGGC	CGAGCTCCAG
ZmX77396	GAACTGTCAT	GCGATCACTG	GGTCAGAACC	CAACCGAGGC	TGAGCTCCAG
MtAF494220	GGACTGTAAT	GAGGTCACTA	GGCCAGAACC	CAACTGAGGC	TGAATTGCAG
MsX52398	GGACTGTGAT	GAGGTCGCTA	GGCCAGAACC	CAACTGAGGC	TGAATTGCAG
VrS81594	GGACTGTAAT	GCGGTCACTT	GGGCAAAACC	CAACTGAGGC	AGAGTTGCAG
VrL20691	GGACTGTAAT	GCGGTCACTT	GGGCAAAACC	CAACTGAGGC	AGAGTTGCAG
PvAF030034	GGACTGTAAT	GAGGTCACTT	GGGCAAAATC	CAACTGAGGC	AGAGCTGCAG
GmL01431	GGACTGTAAT	GCGGTCACTA	GGGCAAAACC	CAACTGAGGC	AGAACTGCAG
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PvAF030033	GAACCGTGAT	GAGGTCACTT	GGGCAAAACC	CAACTGAGGC	TGAGCTGCAG
AhAY517930	GTACCGTGCAT	GCGGTCGCTT	GGGCAGAACC	CCACTGAGGC	AGAACTTCAG
EcAY297816	GGACTGTGAT	GAGATCGTTG	GGTCAGAATC	CAACTGAAGC	AGAGTACAA
PaAF292108	GGACTGTCAT	GCGCTCACTT	GGTCAGAACC	CAACTGAAGC	TGAGCTTCAG
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HaU79736	GAACTGTGAT	GAGATCTCTT	GGGCAAAACC	CGACCGAAGC	TGAGCTTCAA
BdL14071	GGACTGTTAT	GCGGTCACTG	GGGCAGAATC	CAACCGAAGC	TGAGCTGCAG
DcX59751	GGACTGTCAT	GAGGTCGCTT	GGACAGAACC	CTACTGAGGC	TGAACTACAG
DcAY364012	GGACTGTCAT	GAGGTCGCTT	GGACAGAACC	CTACTGAGGC	TGAACTACAG
NtAB050845	GGACTGTGAT	GAGGTCATTG	GGACAGAACC	CAACTGAAGC	TGAGCTCCAG
NtAB050846	GGACTGTGAT	GAGGTCATTG	GGACAGAACC	CAACTGAAGC	TGAGCTCCAG
CaU83402	GGACTGTGAT	GAGGTCGTTG	GGACAGAATC	CAACTGAAGC	TGAGCTCCAG
CaAF108889	GGACTGTGAT	GAGGTCGTTG	GGACAGAATC	CAACTGAAGC	TGAGCTCCAG
CaX98404	GGACTGTGAT	GAGGTCGTTG	GGACAGAATC	CAACTGAAGC	TGAGCTCCAG
StU20294	GGACTGTGAT	GAGGTCGTTG	GGACAGAACC	CAACTGAAGC	TGAGCTCCAG
NtAB050839	GGACTGTGAT	GAGGTCGCTG	GGACAGAACC	CCACTGAAGC	AGAGCTCCAA
NtAB050840	GGACTGTGAT	GAGGTCGCTC	GGACAGAACC	CCACCGAAGC	AGAGCTCCAA
ScAJ318521	GGACTGTGAT	GAGGTCCTTG	GGACAGAACC	CTACTGAATC	TGAGCTCCAG
FsX97612	GCACTGTGAT	GAGGTCCTTG	GGCCAGAACC	CAACTGAGGC	AGAGCTGCAG
BnAF150059	GGACTGTGAT	GAGGTCCTTG	GGCCAGAACC	CAACTGAGGC	AGAGCTGCAG
MtAF494219	GAACTGTTAT	GCGTTCATTG	GGGCAAAACC	CAACTGAGGC	AGAGCTTCAG
PsU13882	GAACTGTTAT	GCGATCATTG	GGACAAAACC	CAACTGAAGC	AGAGCTTCAG
VrL20507	GAACTGTTAT	GCGTTCATTG	GGGCAAAACC	CAACTGAGGC	AGAACTCCAG
PvAF030032	GAACTGTTAT	GCGTTCATTG	GGGCAAAACC	CAACTGAGGC	AGAGCTCCAG
GmL01432	GAACTGTTAT	GCGTTCATTG	GGGCAAAACC	CAACTGAGGC	AGAACTCCAG
GmL01430	GGACTGTTAT	GCGTTCGTTG	GGTCAGAATC	CAACAGAGGC	TGAGCTCCAA
AhAY517931	GAGCTGTTAC	GCGGTCGCTA	GGACAGAACC	CAACCGAGGC	AGAGCTCCAA
MdX60738	GCACTGTCAT	GAGATCATTG	GGGCAGAACC	CGACTGAGGC	TGAGCTCCAG
VvAY070232	GGACAGTGAT	GAGGTCACTG	GGGCAAAATC	CAACTGAGGC	AGAGCTCCAG
BpX89890	GGACGGTGAT	GAGATCACTT	GGGCAAAATC	CAACCGAAGC	AGAATTGCAA
PpX90560	GAACAGTAAT	GCGGTCGCTG	GGTCAGAATC	CCACCGAGGC	AGAGTTGCAG

MsY13784	GTACGGTGAT	GAGATCCTTG	GGACAGAACC	CGACTGAAGC	TGAACTCCAA
DsU62865	GCACTGTCAT	GCGTTCCTTG	GACCAAAACC	CTACGGAGGC	GGAGCTGCAA
MtAF494215	GGACTCTAAT	GTGGTCGCTC	GGCCAGAACC	CAACTGAGTT	CGACTTGCTG
AtNM_129674	GTGCCGTGAT	GCGTTCCTTC	GGTTTAAACC	TGACCCAAGC	TGAGCTTCAG
MtAF494216
MtAF494218

151

200

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MtAF494212	GTAGCAATGA	ATAAGTTTGA	CGCTGACGGA	AATGGTACCA	TTGATTTCC..
PsU13736	GATATGATAA	GTGAAGTTGA	TGCAGATGGC	AATGGAACCA	TTGAATTTGA
GmL01433	GATATGATAA	GCGAAGTCGA	TGCAGATGGC	AATGGAACCA	TTGAATTTGA
GmL19359	GACATGATAA	ACGAGGTAGA	TGCAGATGGT	AATGGAACCA	TTGAATTTGT
NtAB050849	GATATGATCA	CTGAAGTTGA	TTCAGATGGG	AATGGAACCA	TTGAATTCAC
AtNM_117546	GATATCATCA	CTGAGATTGA	TTCTGATAGC	AACGGCACCA	TTGAATTTGC
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OsNM_191034	GACATGATCA	GCGAGGTGGA	CACGGACAGC	AACGGCAACA	TCGAATTCAA
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StJ04559	GATATGATCA	GTGAAGCTGA	TGCTGATCAG	AATGGAACCA	TTGATTTTCC
CaAJ010645	GATATGATCA	GTGAAGTTGA	TGCTGATCAG	AATGGAACCA	TTGATTTTCC
PhM80832	GATATGATCA	GCGAAGTTGA	TGCTGATCAG	AATGGAACCA	TTGATTTTCC
CsAF334833	GACATGATCA	ATGAAGTTGA	TGCTGATCAA	AATGGCACTA	TTGATTTTTC
CrAF510075	GAAATGATCA	ATGAAGTTGA	TGCAGATGGG	AACGGGACAA	TTGATTTTCC
CcAB041712	GATATGATCA	ATGAGGTTGA	CGTTGATGGG	AACGGAACCA	TCGATTTCCA
CcAB044286	GATATGATCA	ATGAGGTTGA	CGTTGATGGG	AACGGAACCA	TCGATTTCCA
StAF468661	GACATGATCA	ATGAGGTTGA	TGCTGATGGA	AATGGGACAA	TTGATTTTCC
SrAF474074	GATATGATCA	ATGAGGTTGA	TGCTGATGGA	AATGGGACAA	TTGATTTTCC
BoAJ427338	GACATGATCA	ACGAAGTTGA	CGCTGACGGG	AACGGGACCA	TCGACTTCCC
AtNM_180529	GACATGATCA	ATGAAGTTGA	TGCAGATGGG	AACGGGACCA	TTGATTTCCC
AtNM_114249	GACATGATCA	ACGAAGTTGA	TGCAGACGGG	AACGGGACAA	TAGATTTCCC
BjM88307	GACATGATCA	ATGAAGTTGA	CGCTGATGGT	AACGGCACTA	TAGATTTCCC
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AtNM_123137	GACATGATCA	ACGAGGTTGA	TGCAGATGGA	AACGGCACTA	TAGACTTCCC
AtNM_105312	GACATGATCA	ACGAGGTTGA	CGCTGATGGA	AACGGAACCA	TTGACTTCCC
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NtAB050847	GACATGATCA	ATGAAGTAGA	TGCTGATGGA	AATGGAACCA	TTGATTTCCC
StU20296	GACATGATCA	ATGAAGTTGA	TGCTGATGGA	AATGGAACCA	TTGACTTCCC
PhM80836	GACATGATCA	ATGAAGTTGA	TGCTGATGGA	AATGGAACCA	TTGACTTCCC
StU20295	GACATGATCA	ATGAAGTTGA	TGCTGATGGA	AATGGGACCA	TTGATTTTCC
ScAJ318520	GACATGATCA	ATGAAGTTGA	TGCTGATGGA	AATGGGACCA	TTGATTTTCC
NtAB050841	GACATGATCA	ATGAAGTTGA	TGCTGACGGG	AATGGGACCA	TTGATTTCCC
NtAB050842	GACATGATTA	ATGAAGTTGA	TGCTGATGGG	AATGGGACCA	TTGATTTCCC
NtAB050843	GATATGATCA	ACGAAGTCGA	TGCTGATGGG	AATGGAACCA	TTGACTTCCC
NtAB050844	GATATGATCA	ATGAAGTCGA	TGCTGATGGG	AATGGGACCA	TTGACTTCCC
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CaX97558	GACATGATCA	ACGAAGTTGA	TGCCGATGGG	AATGGGACCA	TAGACTTCCC
TaU48691	GACATGATCA	ATGAGGTGGA	TGCTGACGGC	AATGGAACAA	TTGATTTCCC
TaU48692	GACATGATCA	ATGAGGTGGA	TGCTGACGGC	AATGGAACAA	TTGATTTCCC
EgAF295637	GACATGATCA	ATGAGGTGGA	TGCAGATGGC	AATGGTACAA	TAGACTTCCC
LlL18912	GACATGATCA	ATGAGGTAGA	TGCTGACGGC	AATGGGACCA	TTGATTTCCC
LlZ12839	GACATGATCA	ATGAGGTAGA	TGCTGACGGC	AATGGGACCA	TTGATTTCCC
OsAF042839	GACATGATCA	ACGAGGTTGA	TGCTGATGGC	AATGGGACCA	TTGACTTCCC
OsAF441190	GACATGATCA	ACGAGGTTGA	TGCTGATGGC	AATGGGACCA	TTGATTTCCC

OsX65016	GACATGATCA	ACGAGGTTGA	TGCTGATGGC	AATGGGACCA	TTGACTTCCC
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ZmX74490	GACATGATCA	ACGAGGTCGA	TGCGGATGGC	AATGGGACCA	TCGACTTCCC
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OsAF441191	GACATGATCA	ACGAGGTTGA	TGCTGATGGC	AATGGAACCA	TTGATTTTCC
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PvAF030034	GACATGATAA	ATGAGGTTGA	TGCTGATGGC	AACGGAACTA	TCGATTTCCC
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PcAY275526	GATATGATCA	ATGAGGTTGA	TGCTGATGGG	AATGGGACCA	TTGATTTTCC
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MtAF494219	GACATGATCA	ATGAAGTAGA	TGCTGATGGG	AATGGTACTA	TTGACTTCCC
PsU13882	GACATGATCA	ATGAAGTAGA	TGCTGATGGG	AATGGTACTA	TTGACTTCCC
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PvAF030032	GACATGATCA	ACGAAGTGGA	TGCTGATGGG	AATGGTACCA	TTGACTTCCC
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GmL01430	GACATGATCA	ATGAAGTAGA	TGCTGATGGG	AATGGCACCA	TTGACTTCCC
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MdX60738	GACATGATCA	ATGAAGTCGA	TGCTGATGGT	AATGGGACCA	TTGACTTTCC
VvAY070232	GATATGATAA	ATGAGGTTGA	TGCTGATGGT	AATGGGACTA	TTGACTTTCC
BpX89890	GACATGATCA	ACGAAGTGGA	TGCAGATGGC	AATGGCACCA	TTGATTTCCC
PpX90560	GACATGATCA	ATGAGGTTGA	TGCCGATGGA	AACGGCACTA	TCGATTTTCC
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DsU62865	GACACGATTA	ACGAGGTGGA	CGCAGACGGG	AACGGCACCA	TCGACTTCCC
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OsNM_191034	GGAGTTCCTG	GGCCTGATGG	CGCGCAAGCT	GAGGGACAAG	GACTCCGAGG
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CrAF510075	GGAGTTTCTT	AACCTAATGG	CCAGGAAAAT	GAAGGATACA	GATTCTGAAG
CcAB041712	CGAGTTCCTG	AACCTGATGG	CGAGAAAAGAT	GAAGGACACA	GACTCCGAGG
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BoAJ427338	TGAGTTCCTG	AACCTGATGG	CGAGGAAAGAT	GAAGGACACT	GACTCCGAGG
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AtNM_114249	AGAGTTCCTG	AACCTAATGG	CACGTAAGAT	GAAAGACACT	GATTCAGAGG
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AtNM_123137	CGAGTTCCTG	AACCTGATGG	CTAAGAAGAT	GAAAGACACT	GACTCCGAGG
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HvM27303	AGAGTTCCTC	AACCTGATGG	CCCXCAAGAT	GAAGGACACT	GACTCAGAGG
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CaU83402	AGAGTTCTTG	AACCTCATGG	CCAGGAAGAT	GAAGGATACA	GACTCAGAGG
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FsX97612	TGAGTTCCTA	AACCTGATGG	CTAGGAAGAT	GAAGGACACT	GATTCCGAGG
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TaU48691	AAGAACTCAA	GGAGGCATT	CGTGTGTTTG	ACAAGGATCA	AAATGGTTTT
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LlZ12839	AGGAGCTCAA	GGAGGCCTTT	AGAGTGTTTG	ACAAGGACCA	GAATGGCTTC
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OsAF441191	AAGAACTCAA	GGAGGCCTTC	CGGGTGTTTG	ACAAGGACCA	AAATGGCTTC
HvM27303	AGGAGCTCAA	GGAGGCCTTC	AGGGTGTTTCG	ACAAGGACCA	AAACGGCTTC
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DcAY364012	GACTGAC...	GAAGAAGTTG	ATGAGATGAT	TCGAGAAGCC	GATGTTGATG
NtAB050845	TACTGAT...	GAAGAAGTTG	ATGAAATGAT	TAGGGAGGCC	GATGTTCGATG
NtAB050846	TACTGAT...	GAAGAAGTTG	ATGAAATGAT	TAGGGAGGCC	GATGTTCGATG
CaU83402	TACTGAT...	GAAGAAGTTG	ATGAAATGAT	CAGGGAGGCC	GATGTGGACG
CaAF108889	TACTGAT...	GAAGAAGTTG	ATGAAATGAT	CAGGGAGGCC	GATGTGGACG
CaX98404	TACTGAT...	GAAGAAGTTG	ATGAAATGAT	CAGGGAGGCC	GATGTGGACG
StU20294	TACTGAT...	GAAGAAGTTG	ATGAAATGAT	CAGGGAGGCT	GATGTTGATG
NtAB050839	TACTGAT...	GAAGAAGTTG	ATGAGATGAT	TAGGGAAGCA	GATGTTCGATG
NtAB050840	TACTGAT...	GAAGAAGTTG	ATGAGATGAT	TAGGGAAGCA	GATGTTCGATG
ScAJ318521	CACTGAT...	GAAGAAGTGG	ATGAGATGAT	TAGGGAAGCA	GATGTTGATG
FsX97612	AACCGAT...	...GAAGTTG	ATGAGATGAT	CAGGGAGGCT	GATGTTGATG
BnAF150059	AACCGAT...	GATGAAGTTG	ATGAGATGAT	CAGGGAGGCT	GATGTTGATG
MtAF494219	CACCGAT...	GAAGAAGTGG	ATGAGATGAT	CCGTGAGGCT	GATGTTGATG
PsU13882	CACTGAT...	GAAGAAGTGG	ATGAGATGAT	TCGAGAGGCT	GATGTTGATG
VrL20507	CACCGAT...	GAAGAGGTGG	ATGAGATGAT	TCGTGAGGCT	GATGTTGATG
PvAF030032	CACTGAT...	GAAGAGGTGG	ATGAGATGAT	TCGTGAGGCT	GATGTTGATG
GmL01432	CACCGAT...	GAAGAGGTGG	ATGAGATGAT	TCGTGAGGCT	GATGTTGATG
GmL01430	CACTGAT...	GAAGAGGTGG	ATGAGATGAT	TCGAGAGGCT	GATGTTCGATG
AhAY517931	CACTGAT...	GAAGAAGTGG	ATGAGATGAT	CCGCGAGGCT	GATGTTGATG
MdX60738	CACTGAT...	GAGGAAGTTG	ATGAGATGAT	CCGGGAGGCT	GATGTTGATG
VvAY070232	TACTGAT...	GAAGAAGTTG	ATGAGATGAT	TCGGGAGGCT	GATGTGGATG
BpX89890	TACTGAT...	GAAGAAGTTG	ATGAGATGAT	CCGAGAGGCG	GATGTTGATG
PpX90560	GACAGAC...	GAAGAAGTAG	ATGAGATGAT	CCGCGACGCC	GATGTGGATG
MsY13784	GACAGAT...	GAGGAGGTGG	ATGAAATGAT	TCGTGAAGCT	GATGTAGACG
DsU62865	GTCAGAA...	CAAGAGGTGG	AGGAGATGAT	TAGAGAGGCA	GATGTTGACA
MtAF494215	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
AtNM_129674	AACTGAT...	GAAGAAATCG	ATGAGATTAT	CAAGGCAGCT	GATGTTGATG
MtAF494216	GACATAT...	GAAGATGTGG	AAGAATTTGT	TCGTGAGGCT	GATTTTTCGATG

MtAF494218 GACCCAT... GAAGAGGTGA ATGAGATTAT CAAAGAGGCT GATGTTGATG

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MtAF494213 GTGATGGACA TCTAAGCTTT AAGGAGTTTG TCAGA~~
MtAF494214 GTGATGGACA TCTAAGCTTT AAGGAGTTTG TCAGA~~
MtAF494212 GTGATGGACA AATAAACTTT GAGGAGTTTG TCAAA~~
PsU13736 GTGATGGTCA AGTTGATTAT GATGATTTTG TGAAG~~
GmL01433 GTGATGGCCA AGTTAACTAT GAGGAATTCG TCAAG~~
GmL19359 GTGATGGTCA AGTTAATTAT GATGAATTTG TCAAG~~
NtAB050849 GTGATGGTCA AGTCAACTTT GATGAATTTG TGAAA~~
AtNM_117546 GTGATGGCCA AGTCAATTAT GATGAATTTG TCAAG~~
OsAF231026 GCGACGGGCA GATCAACTAC GAGGAGTTCG TCAAG~~
OsNM_191034 GCGACGGGCA GATCAACTAC GAGGAGTTCG TCAAG~~
NtAB050837 GTGATGGGCA AGTTAATTAC GAGGAGTTTG TCCGC~~
NtAB050838 GTGATGGGCA AGTTAATTAC GAGGAGTTTG TTCGC~~
StJ04559 GTGATGGGCA AGTTAATTAT GAGGAGTTTG TCCGT~~
CaAJ010645 GTGATGGGCA AGTTAATTAC GAGGAGTTTG TCCGC~~
PhM80832 GCGATGGGCA AGTTAATTAT GAAGAGTTTG TCCGC~~
CsAF334833 GTGATGGTCA GGTGAATTAT CAGGAGTTTG TAAGA~~
CrAF510075 GTGATGGGCA AGTCAATTAC GAGGAGTTTG TGAGG~~
CcAB041712 GCGATGGGCA AGTCAATTAC GAGGAGTTCG TGAAG~~
CcAB044286 GCGATGGGCA AGTCAATTAC GAGGAGTTCG TGAAG~~
StAF468661 GTGATGGTCA GATCAACTAT GAGGAATTTG TCAAG~~
SrAF474074 GTGATGGTCA GATCAACTAT GAGGAATTTG TCAAG~~
BoAJ427338 GCGATGGTCA GATCAACTAC GATGAGTTCG TTAAA~~
AtNM_180529 GCGATGGTCA GATTAACTAT GAAGAATTCG TCAAA~~
AtNM_114249 GTGATGGTCA GATCAACTAT GAAGAGTTCG TCAAA~~
BjM88307 GTGATGGCCA GATTAACTAT GAGGAGTTTG TCAAG~~
AtNM_115539 GTGATGGTCA GATTAACTAC GAAGAGTTTG TTAAG~~
AtNM_180013 GTGATGGTCA GATCAACTAC GAAGAGTTTG TGAAG~~
AtNM_123137 GAGATGGTCA GATTAACTAT GAAGAGTTTG TCAAG~~
AtNM_105312 GAGATGGTCA GATAAACTAC GAGGAGTTTG TCAAG~~
AtNM_128261 GAGATGGTCA GATCAATTAT GAAGAGTTTG TCAAA~~
NtAB050848 GTGATGGACA GATCAATTAT GAGGAGTTCG TCAAA~~
NtAB050847 GTGATGGCCA GATCAACTAT GAGGAGTTCG TCAAA~~
StU20296 GTGATGGACA GATCAACTAT GACGAGTTCG TCAAG~~
PhM80836 GTGATGGACA GATCAACTAT GAGGAGTTCG TCAAG~~
StU20295 GCGATGGGCA GATCAACTAC GACGAGTTCG TCAAG~~
ScAJ318520 GCGATGGGCA GATCAACTAC GACGAGTTCG TCAAG~~
NtAB050841 GCGATGGGCA GATCAACTAC GAGGAGTTCG TCAAG~~
NtAB050842 GCGATGGGCA GATCAACTAC GAGGAGTTCG TCAAG~~
NtAB050843 GCGACGGGCA GATCAACTAT GAGGAATTCG TCAAG~~
NtAB050844 GGGACGGGCA GATCAACTAT GAGGAATTCG TCAAG~~
PhM80831 GTGACGGCCA GATCAACTAT GAGGAGTTCG TCAAG~~
CaX97558 GTGATGGACA AATCCAATAT GACGAGTTCG TCAAG~~
TaU48691 GTGATGGCCA GATCAACTAT GATGAATTTG TTAAA~~
TaU48692 GTGATGGCCA GATCAACTAT GACGAATTTG TTAAA~~
EgAF295637 GTGATGGCCA GATCAACTAT GAGGAGTTTG TCAAA~~
LlL18912 GCGATGGCCA GATCAACTAC GAGGAGTTTG TCAAA~~
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OsX65016 GCGATGGCCA GATCAACTAC GAGGAGTTCG TCAAG~~
ZmAF031482 GCGACGGCCA GATCAACTAC GAGGAGTTCG TCAAG~~
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TaU48242 GTGATGGCCA GATCAATTAC GAAGAGTTTG TGAAG~~
TaU48688 GTGATGGCCA GATCAATTAC GAAGAGTTTG TGAAG~~

TaU48689	GTGACGGCCA	GATCAATTAC	GAAGAGTTTG	TGAAG~~
ZmX77397	GTGATGGCCA	GATCAACTAC	GACGAGTTCG	TGAAG~~
ZmY13974	GCGACGGCCA	GATCAACTAC	GAGGAGTTTG	TCAAG~~
OsL18913	GTGATGGTCA	GATAAACTAT	GAGGAGTTTG	TGAAG~~
OsZ12827	GTGATGGTCA	GATAAACTAT	GAGGAGTTTG	TGAAG~~
OsAF441191	GTGATGGTCA	GATAAACTAT	GAGGAGTTTG	TGAAG~~
HvM27303	GTGATGGCCA	GATCAACTAC	GAGGAGTTCG	TCAAG~~
TaU49104	GTGATGGCCA	GATCAACTAC	GAGGAGTTCG	TCAAG~~
TaU46893	GTGATGGCCA	GATCAACTAT	GAGGAGTTTG	TCAAG~~
TaU49103	GTGATGGCCA	GATCAACTAC	GAGGAGTTCG	TCAAG~~
TaU49105	GCGACGGCCA	GATCAACTAC	GAGGAGTTCG	TTAAG~~
OsAF042840	GTGATGGCCA	GATCAACTAC	GAGGAGTTCG	TCAAG~~
ZmX77396	GTGATGGCCA	GATCAACTAC	GAGGAGTTCG	TCAAG~~
MtAF494220	GTGATGGTCA	GATCAACTAT	GAGGAGTTTG	TCAAA~~
MsX52398	GTGATGGGCA	GATCAACTAT	GAGGAGTTTG	TCAAA~~
VrS81594	GCGATGGCCA	GATCAACTAT	GAGGAGTTTG	TCAAA~~
VrL20691	GCGATGGCCA	GATCAACTAT	GAGGAGTTTG	TCAAA~~
PvAF030034	GCGATGGGCA	GATCAACTAT	GAGGAGTTTG	TCAAA~~
GmL01431	GTGATGGACA	GATCAACTAT	GAGGAGTTCG	TCAAA~~
CaY09853	GTGATGGACA	GATCAATTAT	GAGGAGTTTG	TCAAA~~
PvAF030033	GTGACGGGCA	GATCAACTAT	GAGGAGTTTG	TCAAA~~
AhAY517930	GCGACGGGCA	GATCAACTAC	GAGGAGTTTG	TCAAG~~
EcAY297816	GCGATGGTCA	GATCAACTAC	GAAGAGTTTG	TGAAA~~
PaAF292108	GTGATGGGCA	GATCAACTAC	GAGGAGTTCG	TCAAA~~
PcAY275526	~~~~~	~~~~~	~~~~~	~~~~~
HaU79736	GTGATGGCCA	GATCAACTAT	GAGGAGTTTG	TTAAA~~
BdL14071	GCGATGGACA	AACTAACTAT	GAGGAGTTTG	TCAAA~~
DcX59751	GTGATGGGCA	GATCAACTAT	GAAGAATTTG	TCAAG~~
DcAY364012	GTGATGGGCA	GATCAACTAT	GAGGAATTCG	TTAAG~~
NtAB050845	GTGATGGACA	AATTAACTAT	GATGAGTTTG	TTAAG~~
NtAB050846	GTGATGGACA	AATTAACTAT	GATGAGTTTG	TTAAG~~
CaU83402	GTGATGGGCA	AATTAACTAT	GATGAATTTG	TTAAG~~
CaAF108889	GTGATGGGCA	AATTAACTAT	GATGAATTTG	TTAAG~~
CaX98404	GTGATGGCCA	AATTAACTAT	GATGAATTTG	TTAAG~~
StU20294	GCGATGGACA	AATTAACTAC	GATGAGTTTG	TTAAG~~
NtAB050839	GTGATGGTCA	AATTAACTAT	GAGGAGTTTG	TTAAG~~
NtAB050840	GTGATGGTCA	AATTAACTAT	GAGGAGTTTG	TTAAG~~
ScAJ318521	GTGATGGACA	AATCAACTAT	GAGGAGTTTG	TTAAG~~
FsX97612	GTGATGGCCA	GATAAATTAC	GAGGAGTTTG	TCAAGGT
BnAF150059	GTGATGGCCA	GATAAATTAC	GAGGAGTTTG	TCAAG~~
MtAF494219	GTGATGGTCA	AATAAACTAC	GAGGAATTCG	TTAAG~~
PsU13882	GTGATGGCCA	AATAAACTAC	GAGGAATTCG	TTAAG~~
VrL20507	GTGATGGCCA	AATAAACTAC	GAGGAGTTCG	TTAAG~~
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GmL01430	GCGACGGCCA	AATAAACTAC	GAGGAGTTTG	TTAAG~~
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MdX60738	GCGATGGCCA	GATAAATTAC	GAGGAGTTTG	TCAAG~~
VvAY070232	GTGATGGGCA	GATAAACTAT	GAAGAATTCG	TGAAG~~
BpX89890	GTGATGGTCA	AATCAACTAT	GAGGAGTTTG	TTAAG~~
PpX90560	GTGACGGCCA	GGTCGACTAC	GACGAGTTTG	TGAAG~~
MsY13784	GCGACGGTCA	GGTCAACTAT	GAAGAGTTTG	TCAAA~~
DsU62865	ACGACGGACA	AGTCAACTAT	GACGAGTTTG	TGAAC~~
MtAF494215	~~~~~	~~~~~	~~~~~	~~~~~
AtNM_129674	GTGATGGTCA	GATCAACTAC	AGAGAGTTTG	CCAGG~~
MtAF494216	GTGATGGACA	AATAAACATT	GAGGAGTTTG	TCAAA~~
MtAF494218	GTAATGGACT	AGTCAACTAT	AAGGAGTTTT	TTAAT~~

