

S. cry U14 -CAACAAGTGATGA-AATTTCCAATAAACATTTCGCAGTTTTTCACGGAGCGACATACGAAC
S. oct U14 ---ACAGGTGATGA-AATTTCCAACAAACATTTCGCAGTTTTTCACGGAGCGACATACGAAC
S. jap U14 -----TGTGATGATAATTTTCCACAAACATTTCGCAGTTTTTCACGGATCGACATAAGAAC
S. pom U14 TCAACAGGTGATGA-AATTTCCATTGAACATTTCGCAGTTTCCCCGGAGCGGCATACGAAC
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S. cry U14 CCATTCTAGTCGCAAATGACGGCCATAGTCCTTCCTTTGGATGTCTGATGTTG---
S. oct U14 CCATTCTTGTGCGCAAATGACGGCCATAGTCCTTCCTTTGGATGTCTGATGTTG---
S. jap U14 CCAATCTTGTGCGGATATGACGGCC-CAGTCCTTCCTTTGGATGTCTGATG-----
S. pom U14 CCAATTTTGCCGCAGATGTCGTGCATAGTCCTTCCTTTGGATGTCTGATGTTGTGA
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S. cry U18 AAATATGATGACTAAAATTGGTCCGTGTTACTGAACGGGATTAAGACCCCGG-ATACGAA
S. oct U18 AAATATGATGACTAAAATTGGTCCGTGTTACTGAACGGGATTAAGACCCCGG-ATACGAA
S. pom U18 AGCTATGATGACCAAAAATTGGTCCGTGTTACTGAGCGGGATTAAGACCCAGCAAACGAA
S. jap U18 CACGAAGATGACAGAAAATTGGTCCGTGTTACTGAGTCGGATTAAGACCCGGCACACGAA
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S. cry U18 GATAAACCCAATTTT-TATTGCTGATT
S. oct U18 GATAAACCCAATTATATATTGCTGATT
S. pom U18 GAGAAACCCAATTTT-TAATTCTGATT
S. jap U18 GAGAAAACCATTTT-ATAACTGAGT
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S. cry U24b -GTAGATGATGCTTTAGACTATATTTGCTACTTCGGAGGTCCTTCACGGGCTCGATGAGA
S. oct U24b -GTACATGATGGTTCT-ACAATATTTGCTACTTCGGAGGTCCTTT-CGGGCTCGATGAGA
S. pom U24b AAGGAATGATGTTTAGATTAATATTTGCTACTTCGGAGGCCTTAC---GGCTCGATGAGA
S. jap U24b -CGTTATGATGTTTCT-ACAATATTTGCTACTTCAGAGTTCTTC---GGAGCGATGAGA
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S. cry U24b CAAAACAA-TCACCATAGCTACTGATC--
S. oct U24b CAAAACAA-TCACCTTAGTTGCTGATA--
S. pom U24b CAAAACAAATCACCATATGTTCTGACTTT
S. jap U24b CAGAAAAACACCGCAAGTGCCTGAAC--
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S. cry U24 -----GATGTGATGAAATATTTGCTCATGAAATTTTTTATGATTTTTTGTCTAATACACC
S. oct U24 -----ATGGTGATGAAATATTTGCTCATGA--TTTCTTATGATTTTTTGTCTAATACACC
S. pom U24 CTTTGCAATTGATGAAATATTTGCTTATGAT-CAATAAATGATTCTTTTATTA--TCACC
S. jap U24 -----ATGTGATGAGTTATTTGCTTATGAA-TTTGTGATTACACTTTTAT----TCACC
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S. cry U24 AAGATCTCTGAGATCTTCT-
S. oct U24 AAGATCTCTGAGT-----
S. pom U24 AAGATCGCTGAGTGCTAAAG
S. jap U24 AAGATCGCTGAATGAA-----

<i>S. cry</i> snR38	----ATGATGAGAATAATTTTTTTTACAGTTATCCCTGTCTAAAACATAGTGTGAGAAT
<i>S. pom</i> snR38	TTGTATGATGATACTATTTTTTTTTTACAGTTATCCCTGTCTAAAGCATAGTGTGAGAAT
<i>S. oct</i> snR38	GTATATGATGAGAATATCTTTTTTTTACAGTTATCCCTGTCTAAAAAATAGTGTGAGACC
<i>S. jap</i> snR38	-AAAAATGATGAGA--ATTTATTTCTACAGTTATCCCTGTCTGAAAAACAGTGTGAGAAT
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<i>S. cry</i> snR38	GGTAAATCTGAAT-
<i>S. pom</i> snR38	GGTAAATCTGAATA
<i>S. oct</i> snR38	GGTAAATCTGAACA
<i>S. jap</i> snR38	GGTAAATCTGAATC

<i>S. oct</i> snR39	GAAAAGGATGACAACTTCACTCTCTCGATAGCTAGCTGCGGCGATGCTGCTTCTA--TCA
<i>S. cry</i> snR39	GAAAAGGATGACAAATTCACCTCACTCGATAGCTAGCTGCGGCGATGCTGCTTCTA--TCA
<i>S. jap</i> snR39	GGAGAGGATGAAGCTTTTTTTCCTTTGGATAGCTAGTTTCGACAATGCTGCTCCAAAATCA
<i>S. pom</i> snR39	GAAAAAGATGAA-CCTTTCACCTCTTGATTGCTAGTTTCGACGATGCTGCTCCAAAAT-A
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<i>S. oct</i> snR39	CCATCTTTCGGCTGATT-
<i>S. cry</i> snR39	CCATCTTTCGGCTGATT-
<i>S. jap</i> snR39	CCATCTTTCGGCTGATT-
<i>S. pom</i> snR39	CCATCTTTCGGCTGATTC

<i>S. cry</i> snR39b	-----CATGATGACAA-AAATTTTGGATAGCTAGCTTTG-CGATGTGCTTCCAATAAT-
<i>S. pom</i> snR39b	---CAAGATGATGACAACAAATTTTCGGATAGCTAGCTTAGGCTGTGCGGTTCCACAATT
<i>S. oct</i> snR39b	-----ATGATGACAACTTTTTTTGGAGAGCTAGCGCCG-CGATGTGCTTCCAGTA---
<i>S. jap</i> snR39b	GGTGATGATGAAGACCTATTCTTTTGGATTGCGAACAAGA---ATGTGCGTTCCACAAA-
	***** ** * * * * * * * * * * * *
<i>S. cry</i> snR39b	-ACCATCTTTCGGGACTGAG-
<i>S. pom</i> snR39b	TACCATCTTTCGGGACTGATT
<i>S. oct</i> snR39b	TACCATCTTTCGGGACTGA--
<i>S. jap</i> snR39b	TACCATCTTTCGGGGCTGAGC
	***** **
<i>S. cry</i> snR40	ACAAATGATGATATTTT-GTCTAATACATGCACCACGCTTAGGCT-----TTTGTCTGT
<i>S. oct</i> snR40	ATATATGATGATATTTTCGTCTAATACATGCACCACGCTTAGACT-----TTTGTCTGT
<i>S. pom</i> snR40	TTTAATGATGATACT-GTCT---CATGCACCACTCTCAGACA--TTTATTTGTCAGT
<i>S. jap</i> snR40	-CCGAAGATGATAAACT-GTCT---CATGCACCACTCTCAGGCGGCTTCGGCTGCCGGT
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<i>S. cry</i> snR40	GCTGAACAACAGACCCTTTAATGCTGATT
<i>S. oct</i> snR40	GCTGAAAAACAGACCCTTAGATGCTGAAT
<i>S. pom</i> snR40	GAAGAGGAACAGACCCTTTATTTCTGAAA
<i>S. jap</i> snR40	GATGAGAAACAGACCATTATGCTGAG-
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<i>S. cry</i> snR41-I	-ATCAAGGATGAGACTAAGGTATATGAAACCTTGCTCCGCAACAGCGAGTGTTTATG-AA
<i>S. oct</i> snR41-I	-ATCAAGGATGAGACTTAGGTATATGAAACTTTGCTACGCAACAGCAAGTGTTTATG-AA
<i>S. jap</i> snR41-I	-TGCAACGATGAAATTTAGGTATACGATGTAGGACGAC-CGCAACTCGTTCTGCATATGA
<i>S. pom</i> snR41-I	ATGCAAGGACGAGAATTAGGTTTTTTAAACATTACATC-CAACTGTAATGTTTTATG-AA
	*** ** * * * ***** * * * * * * * *
<i>S. cry</i> snR41-I	ATCAAATTCATAAATCCAATTGTTTCCTACTGAGT
<i>S. oct</i> snR41-I	ATCAAATTCATAAATCCAATTGTTTCCTACTGAGT
<i>S. jap</i> snR41-I	GATAACCCAAATTATCCAATTGTTTCCTACTGAGC
<i>S. pom</i> snR41-I	AATACTATAAATTAACCAATTGTTTCCTACTGAGC
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<i>S. oct</i> snR41-II	---TAAAGTGATGACAAAACGACGTATACAACCTGAATA-ACTCATGTTGAATTCTGTTGT
<i>S. pom</i> snR41-II	AATCATTGTGATGATAAAACGACGAAAACAGCTGAATT-CCTCATGTTGAATTC-GTTAT
<i>S. cry</i> snR41-II	---TAAAGTGATGACAAAACGACAAATATAGCAGAATA-ACTCGTGTTGAATTTTGTGTG
<i>S. jap</i> snR41-II	---TTAGATGATGACAGAACGACAAACATTCCAGAGTCCATCCGTGCGGAATTTGTTTCGT
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<i>S. oct</i> snR41-II	ATT-TTTTTTAAGTTTCAGCCTTGCTGATT-----
<i>S. pom</i> snR41-II	ATTATTTTTTAAGTTTCAGCCTTGCTGATCATGATT
<i>S. cry</i> snR41-II	ATA--TATTTAAGTTTCAGCCTTGCTGATT-----
<i>S. jap</i> snR41-II	ATT----TTTAAGTTTCAGCCTTGCTGATT-----
	** *****
<i>S. cry</i> snR47	---CCCTATGATGGTTTTTATGAATTTCTTCAACGGAGCCCTTCAACTTATCATGTTGGT
<i>S. oct</i> snR47	---CCCAATGATGGTTTTTTTGAATTTCTTCAACGGAGCCCTTCAACTAAA-ATGTTGGT
<i>S. pom</i> snR47	AAGCCCAGTGATG-CTTTTTTGAATTTCTTCAACGGAGCCGTTTGTCTTAT--TGACATG
<i>S. jap</i> snR47	---CCCCATGATG---CTTTTGAATTTCTTCAACGGAGGCAGTGACCAAG--AAGTGCC
	*** ***** * * * * *
<i>S. cry</i> snR47	TGG-TGCGGGACGAGA-TTGACATTCTGAGG----
<i>S. oct</i> snR47	TGGGTGCGGGACGAACTTGACATACTGAGG----
<i>S. pom</i> snR47	CGA-TGTGGGACGATATTTGACATACTGAGGGCCA
<i>S. jap</i> snR47	TGT-CGTTGGACGACA-ATGACACACTGAGG----
	* * ***** * ***** *****
<i>S. cry</i> snR48	GATGATGATGATTTCTTAATTCTGGCACCTCTTCTCCGATTGGAATGCCTTTTGTGCATT
<i>S. oct</i> snR48	TAAAATGATGATTTCTTA--TCTGGCACCTCTTCTCCGATTGGAATGTCCACACAACATT
<i>S. pom</i> snR48	ATATATGATGATTTCCAATATCTGGCACCTCTTGTCTTAT-GGGATTCTTAAAAGTTTCT
<i>S. jap</i> snR48	CGATATGATGATTTCCAT--CCTGGCACCTCTTGTCTTAT-GGAGCGATTACACCCCGT
	***** ***** ** ** *
<i>S. cry</i> snR48	TTAATGAAGTGATCCGAACGGACAAAAATCTGAAT-
<i>S. oct</i> snR48	TTAATGAAGTGATCCGAACGGACAAAAATCTGATT-
<i>S. pom</i> snR48	-CGATGAACCTAACCTTTTGAACTATATCTGATAT
<i>S. jap</i> snR48	TCGATGAACCTAA---TTTTGGACTTTCTCTGATAT
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<i>S. cry</i> snR51-I	---GCAGTGATGA-----CAAAATTCACACTGTCTGAATCTGCCCATGATT
<i>S. oct</i> snR51-I	---GCGGTGATGA-----GCAATTCACACTGTCTGAAACTGCCCATGATT
<i>S. pom</i> snR51-I	--TGCCATGATGA-GCCATTTTATATTTTGTATTACACTGTCTGAATTTCTTGAAGATA
<i>S. jap</i> snR51-I	CCATCGATGATGATAATATTTTCAAATTGTATTACACTGTCTGAAGTACT-GAAGAAA
	***** ***** *
<i>S. cry</i> snR51-I	TCTTTAATACTCTGAGC-----
<i>S. oct</i> snR51-I	TCTTTAATACTCTGA-----
<i>S. pom</i> snR51-I	TACTGAA---ACTCTGAGCAAAGCCTGATT
<i>S. jap</i> snR51-I	TATCTA-----TTCTGAGC-----
	* * *****
<i>S. oct</i> snR51-II	TTGCTAGGATGCCAAATTATCTGATTTAATGAGGCTGATGGTCTAGACAACCAAAATGCT
<i>S. cry</i> snR51-II	TCGCTAGGATGCCAAATTATCTGATTTAATGAGCCTGATGGTCTAGACAACCAGGATGCT
<i>S. pom</i> snR51-II	TTGCAAGGATGCTTAATCATCTGATTTAATGAGCCTGATGGTCTTGACAACCAAAATGCT
<i>S. jap</i> snR51-II	-TGCTAGGATGGT-AATTATCTGATTTAATGAGCCTGACGGCCTAGACAGCCGAAATGCT
	** ***** **
<i>S. oct</i> snR51-II	GTTAATTTATTTT-ACTGAGCTTA-
<i>S. cry</i> snR51-II	GTCAATTTGTTTTACTGAGCTTA-
<i>S. pom</i> snR51-II	GTCAACTTTGATT-ACTGAGCAA--
<i>S. jap</i> snR51-II	G--AATATTTCTT-GCTGAGCAGCC
	* ** * ** *****
<i>S. cry</i> snR52	-----GAAAGTGATGAAACATATACGGATTATTAATATATCCGAGAGCGCATAAAACTCA
<i>S. oct</i> snR52	-----GAAAGTGATGAAAAATAAACGGATGATTA-CATATCCGAGAGCGCA-AAAACCCA
<i>S. jap</i> snR52	-----GAAAATGATGAAACATTTACGGATGAT--ACATGTCCGAGAGCGCA---AAACCG
<i>S. pom</i> snR52	ATTTTGAAAATGATGAAAATAACGCGGATGAAATATATGTCCGAGAGCGCA--AAAAATG
	**** ***** ** ***** *
<i>S. cry</i> snR52	TGTGGATAATGCCGTTGCCTTCCTTCTGATT-----
<i>S. oct</i> snR52	TGTGGATATTGCCGTTGCCTTCCTTCTGATT-----
<i>S. jap</i> snR52	TGTGGATAATGCCGTTGCCTTCCTTCTGATT-----
<i>S. pom</i> snR52	TGTGGATATTTCGTTGCCTTCCTTCTGATTCAAAAT
	***** * *****
<i>S. oct</i> snR53	-GCTTGCTGATGATGTTTT-CCAAAATATTCTATGCTAATCATGATTCAATT-TGATTCA
<i>S. cry</i> snR53	--CTTGCTGATGATGTTTT-CCAAAATATTCTATGCTAATCATGATTGAATC-TGATTCA
<i>S. jap</i> snR53	TGCGCGCTGATGATGTT---ACAAAATATTCTATGCTAATCATGAAAATTTAATGATTCT
<i>S. pom</i> snR53	--CTTGCTAGTGATGTTTTTCTTTTATATTCTATGCTAATCATGAA-ATCTAATGATTAT
	* ** ***** ***** *
<i>S. oct</i> snR53	ATTTTGACTCA-----CTGAA-----
<i>S. cry</i> snR53	ATATTGACTCA-----CTGAA-----
<i>S. jap</i> snR53	ACTTTT-CTAA-----CTGAA-----
<i>S. pom</i> snR53	ACTTTTATTTATAAAGACTGAAGCAAG
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S. cry snR54 GCTAATGATGTCTCAAATCATATTAAC TTTCTGTTCTCCGCAATGACTTAAATGTCATGG
S. oct snR54 GCTAATGATGTCTCAAATCA-ATTAAC TTTCTGTTCTCCGCAATGACCTAACCGTCATGG
S. pom snR54 CCTTATGATGCTC-----TTTGATTAAC TTTCTGTTCTCCGCAATGACTTAATTGTCATGG
S. jap snR54 CTGGATGATGCTTTGACTTA---TAAC TTTCTGTTCTGTAACAGCAGAAATGCTATGG
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S. cry snR54 GGACAACATTTTCGATTCTGAAG-
S. oct snR54 GGACAACATTTTCGATTCTGAAG-
S. pom snR54 GGTCAACTTTTTTATTTTACTGAAG-
S. jap snR54 AGATACAATTTTGTCA---CTGACTT
* * *** ****

S. cry snR55 TTGCTTGGATGATTATACTTTACCCATATTCTGCTGGTGATTATCCATGAGCCTCAGAAA
S. oct snR55 -----GATGATTATACTTTACCCATATTCTGCTGGTGAATATCCATGAGCCTCAGAAA
S. pom snR55 --GCTAAGATGATTATACTTTACCCCT-TTCTGTTGGTGATAATCAATGATCCTCAGAAA
S. jap snR55 ---CTTGAATGATTATACTTTACCCCT-TTCTGTCTGTGAAATTCAATGATCATCAGAAA
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S. cry snR55 ACATGCATCACCGAATGAACAATGGC
S. oct snR55 ACATGCATCACCGAATGAAC-----
S. pom snR55 ACATGCATCACCGAATGAACA-----
S. jap snR55 ACATGCATCACCGAATGA-----

S. cry snR56 CTGTATGATGAAAAGCATTTTACAGACCTGTTCTGATGCC-TTCGGTGTTGAGGATAAC
S. oct snR56 TTTAATGATGAAAAAC-CATTACAGACCTGTTCTGATGCCATTTGGTGTTGAGGACAAC
S. jap snR56 ----ATGATGATAAAA-CATTACAGACCTGTTCTGA----ATTTCGT---TGAGGATAAC
S. pom snR56 TATTGTGATGATA--CCAATTACAGACCTGTTCCAATGCAAATCTGTATATGAGGACAAC
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S. cry snR56 CTTATATTGCCTTTTTT-CTGAAG
S. oct snR56 CTTATATTGCCTTTTTTCTGAAG
S. jap snR56 CT-ATATTGCCTTTTTA-CTGAGA
S. pom snR56 CTAATATTGCCATTATTCTGAGT
** ***** ** * ****

S. jap snR57 TTTACAGGATGATAAGATTTGTTCTAGTAGGGCAA-TCGATGCGGACATTTTAATCTTT
S. pom snR57 AGTTGATGATGATCATTCTGTTCTAGTAGGGCAT-TCGATGCGGACACTTT----TGT
S. cry snR57 -AATTATGATGAGAACGTTT-TTCCTAGTAGGGCAAATGATGCGGACATCTTT-TA-AA
S. oct snR57 -GATTATGATGAGAACGTTT-TTCCTAGTAGGGCAAATAGATGCGGACATCTTT-TATAA
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S. jap snR57 ATTTTAGGAATTCTTCGTTGCTGA---
S. pom snR57 ATTTTAGGAATTCTTCGTTGCTGAAC
S. cry snR57 GTTTTAGGAATTCTTCGTTGCTGAAT-
S. oct snR57 GTTTTAGGAATTCTTCGTTGCTGAAC-

S. pom snR58 GCCTATGATGATTACCGTTTA--TTTAGATGCTAGACTTCTGAATTTTCATCTTATGTAGC
S. cry snR58 GCCTATGATGATTTCCATTAAATTTTAGATGCTAGACTTCTGAACTTCATATTATGTAGC
S. oct snR58 GCCTATGATGATTTCCAATTTTTTTTAGATGCTAGACTTCTGAAATTCATGTCATGTAGC
S. jap snR58 ---AATGATGATTTTCCTTTTCTTTTAGATGCTAGACTTCTGA-TTTAGCAGTTTGATGT
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S. pom snR58 TACAAGGTTTTCTGAGG-
S. cry snR58 AATTGGACTT-CTGAGG-
S. oct snR58 ATTTGGACTTTCTGAGG-
S. jap snR58 GATGGAACCTTTCTGACAA
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S. cry snR60-I -----TTCTTTGATGAT-TTGAAATGCATAGTTCACGCTGAGC--TTATTATGCTGA
S. oct snR60-I -----TTCTTTGATGAT-CTGAATATGCATAGTTCACGCTGAGC--TTACTATGCTGA
S. pom snR60-I AAAGGATTTCCTTTGATGATTCCAAAAAGCATAGTTCA-ACTGAGC--ATCGTATGCTGA
S. jap snR60-I -----TGCAATGATGATACCATAAAAAGCATAGTTCA-GCTGAGTGACAAGCATGCTGA
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S. cry snR60-I TCCTTA-TTCA-TTGATTGTCACGTCAGTCTGAGA---
S. oct snR60-I TACATAATTCA-CTGATTGTCACGTCAGTCTGAGA---
S. pom snR60-I AACTTTTTCCATCTGATTGTCACGTCAGTCTGAGATTT
S. jap snR60-I TACTCCAATCCATCGATTGTCACGTCAGTCTGAGT---
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S. cry snR60-II -----TACAATGATGAACAACATTGTGTGCGCCCTATCTGAAATTT-GTGACGATTGAC
S. oct snR60-II -----TATAATGATGAGCAACCTGTGTGCGCCCTATCTGAAATTT-GTGACGATTGAC
S. pom snR60-II AAATATTACTATGATGAGCAAT-TTGTGTGCGCCCTATCCGAAATCT-GTGACGATTGAC
S. jap snR60-II -----AATCATGATGAGTAAC--TGTGTGCGCCCAATCCGAAACATAGTGATGATTGAC
* ***** ** ***** ** * *****

S. cry snR60-II ACGGAAGCCAAACCAATAACTGA-TA---
S. oct snR60-II ACGGAAGCCAAACCAATGACTGA-TA---
S. pom snR60-II CCGGAAGCCAAATCCGATCTCTGAATATT
S. jap snR60-II CTGGACGCCAAATCCACT-TCTGATC----
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S. jap snR61 TTAAATGATGATACCTA----TAATCAGTTCTGCTTCTGAACAATGCT-GAAGACAACCT
S. pom snR61 ATGTATGATGATACTTAA---TTTTCAGTTTGTCTTCTGAGAAAAGCTTGAAGACAACCT
S. cry snR61 ATTCATGATGATAAAAAAACTATTTCAGTTCTGCTTCTGAGCCCAAGCTGAAGAAAATA
S. oct snR61 ATTTATGATGATAAAAAAATCATTTCAGTTCTGCTTCTGAGCCAAATCTGAAGAAACCTA
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S. jap snR61 GATACCAAAGAAA-CTCACTTATCTGACT
S. pom snR61 GATACCAAGAAACTCTCTATTATCTGACG
S. cry snR61 AATACCAAGAAACTCTCACATATCTGACT
S. oct snR61 AATACCAAGAAACTCTCACATATCTGACA
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S. cry snR62 -AAAATGATGTTTGAAAAATTCTTATCTACATTGCCTGA-ACAATATTGCTGAAAATTC-
S. oct snR62 -AAAATGATGTTTGAAAAAT-CTTATCTACATTGCCTGA-ACAAAGTTGCTGAAAAACCA
S. pom snR62 CAAAGTGATGTGAAAAAAATTCTTATCTACATTGCCTGA-ATCATATAGATGAAAAACTA
S. jap snR62 -GAGATGATGCTTTTTAAAT-CTTATCTACATTGCCTGATAACCTTGTGATGTAAACTTA
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S. cry snR62 -TTT---TCCTGA----
S. oct snR62 TTTT---TCCTGATT---
S. pom snR62 TCTTGTTTACTGATTGT
S. jap snR62 TCAA----CCTGATC---

S. pom snR63 ATTTCAGAGGATGCGAAATATATACCCAAATTGTATAGCAAGGATAACGGGGTAATCGTT
S. oct snR63 ----CAGAGGATGCAAGAAATATACCCAAATTGTATAGCAAGATCTATGGGGTAACCGTA
S. cry snR63 --TTCAGAGGATGCAAGAAATATACCCAAATTTTATAGCAAGGCATACGGGGTAGCCGTT
S. jap snR63 -----CAAGGATGTAAATAATATACCCAAATTTTATAGCAAGGCTTATGGAGT-GCTGTT
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S. pom snR63 TTGGTTGCCTTCTTGCAGTGATAAAGCATTTTGTTCATAGTTACACTGATGAAAT
S. oct snR63 TTGGTTGCCTTCTTGCAGTGATAACA-GTTTTGTTCATAGTTACACTGATG----
S. cry snR63 TTGGTTGCCTTCTTGCAGTGATAACA-GTTTTGTTCATAGTTACACTGATGAA--
S. jap snR63 TTGGCACTCTTCTTGCAGTGATAGGT--CTTTGTTCATAGTTACACTGAGTTT--
***** ***** *****

S. cry snR64 -TGCAAGGATGATCACTCGATAGGGACAACAGAAA-AATACTGTTGAAAAACATTCGGGA
S. oct snR64 -TGCAGTGATGATCACTCGATAGGGACAACAGAAA-AATACTGTTGAAAAAAATTCGGGA
S. pom snR64 TTGCGAAGATGATTTCTTGATAGGGACAACAGATTTAATTATGTTGAAAAAAATTCGGGA
S. jap snR64 -TTGAAGGATGATTACCTGATAGGGACAACAGAATTCATTGATGAGAAAAATTCGGGA
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S. cry snR64 AA-AGATAGTAGATATATT-AGCTGAGC--
S. oct snR64 AA-AGATAGTAGATATAT--ATCTGAGC--
S. pom snR64 AA-AGATAGTAGATATATATTGCTGAGCAT
S. jap snR64 AATAGATAGTAGATTTTT----CTGACA--
** ***** * * ****

S. cry snR66 ---AAATATGATGATCAACAAATACAAAGAGTCAAGCACTGAAGTACGAAACGTACTGTG
S. oct snR66 ---AAATATGATGATCAAAACATACAAAGAGTCAAGCACTGAAGTGTTAAA-ACACTGTG
S. pom snR66 CCAAAATATGATGATCG-CAAATACAAAGAGTCAAGCACTGAAACGCGATA-GCGTCTTG
S. jap snR66 ---TGACATGATGATCTCCAATATCTAAGAGTCAAGCACTTAAACGTTCAGCGT-TTGTG
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S. cry snR66 TTGAGTTATTCGGTCTGATT----
S. oct snR66 TTGAGTTATTAGGTCTGATT----
S. pom snR66 TTGAGTTATTTGGTCTGATTTTGG
S. jap snR66 ATGAGT-ATACGATCTGAGT----
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S. oct snR68 ---GCAAGTGATGAGTAACAC-TTTTTTTCATGGTTGTCTGAAAACTCTGTTGACTAA
S. cry snR68 ---GCAAGTGATGAGTAACACATTTTTTTCATGGTTGTCTGAAAAGCTCTGTTGACTAA
S. jap snR68 -GGGCAAGTGATGAGTA-CAC-ATTTTTTCATGGTTGTCTGAAAAACAGTGTGAACTA
S. pom snR68 CAGGCATATGATGAGAA-CATATATTTT-----ATCTGAAAAAATTGTTGAATAA
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S. oct snR68 AAATTA-TGCGTTATCTTTCTGATGCC---
S. cry snR68 AAATAT-TGCGTTATCTTTCTGATGCC---
S. jap snR68 AAATA--TGCGTTATCTTTCTGATGCC---
S. pom snR68 AAATTTATGCGTTATCTTTCTGATGCCACA
***** *****

S. pom snR69 TACCATGATGAACACGAGCCAGAAGGCTCAATATTCTATTAACCCAGCTCTTTGAACCA
S. jap snR69 ----ATGATGAACACGAGCCAGAAGGCTC--TACTATAT-AAACCCAGCTCTTTGAGCCC
S. cry snR69 ----ATGATGAACACGAGCCAGAAGGCTCA--A-TCAAT-AAACCCAGCTCTTTGAGCTG
S. oct snR69 ----ATGATGAACACGAGCCAGAAGGCTCA--AATCAAT-AAACCCAGCTCTTTGAGCTG
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S. pom snR69 --A-----TAGTTGTGAAACGAGAAACAAGTTCTGAAC
S. jap snR69 TCA-----TGGGCATGAAACGAGAAATCCGTTCTGAT-
S. cry snR69 CCAAAA-AGAAGCAGCTAGGAAACGAAAAACACGTTCTGAAT
S. oct snR69 CTAAGAAGAAAGCAGCTAGGAAACGAAAAACACGTTCTGAAT
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S. cry snR70 ----AGGATGAGTTTCCAAGACATAACGGGCGGACTAAATTGGTCACATTT-AAGGCTTC
S. oct snR70 ----AGGATGAGTTTCAAAGACATAACGGGCGGACTAAATTGGTCACATTCCAAGTCTTC
S. pom snR70 TTAAAGGATGA-TACCTAAGACGCAACGGGCGGACTAAATGGGTAC--TACAATGCTTC
S. jap snR70 ---GATGATGA--TTTTGAGACGTAACGGGCGGACTTA--TAATGAC--CTACATACTCC
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S. cry snR70 AACTGTACATTGAAGTCGTGGCCGCTTTGTTGATTTCGAGTCTTACTGATTT--
S. oct snR70 AACTGTACATTGAAGTCGTGATCGCTTTGTTGATTTCGAGTCTTACTGATTT--
S. pom snR70 AACTGTACAATGAAGTTGTAACCTACATGTTGTTATCGTGTCTTACTGAAA---
S. jap snR70 AACTGTACACTGGGGATGGTTTTTAGTTGCTGATTTCGAGTCTTGCTGACCAGT
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S. oct snR71 -TACCAGGATGAAA-CTTTTGTTAA-CCCAGCTCACTCGGAGTATATACATTGACGAGTT
S. cry snR71 -TACCAGGATGAAAATATTGTTAA-CCCAGCTCACTCGGAGTATATACGTTGACGAGTT
S. pom snR71 TTACCATGATGATTTTCTTCGTAAACCCAGCTCACTCGGAGTATTTACATTGACGAGTA
S. jap snR71 -TACCCTGATGAATCTCCTTCGTAAACCCAGCTCACTCGTAGTATATACTTTGACGAGTA
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S. oct snR71 T----AGCATGT-ATT-ATCTGAAT-
S. cry snR71 T----AGCATGT-ATT-ATCTGAAT-
S. pom snR71 CGCGAAGTTTTT-ATTTATCTGAACA
S. jap snR71 TGCGAAGTTTTTAACTCTCTGAAC-
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S. cry snR73 TACCATGATGCTTACTTTAATAATCACGACGGTCTGCGTAGTCCAT-CAGTGACGATAAT
S. oct snR73 TACCATGATGCTTACTTTTATTAATCACGACGGTCTGCGTAGTCCTT-CAGTGACGATATT
S. jap snR73 TATTATGATG-TTACTTAAATTTATCACGACGGTCTACGTAGTGTATACCTTGACGAGAAT
S. pom snR73 TCACATGATG-TTTTTACTTTAATCACGACGGTCTACGTAGTTTCTACATTGACGAAGAT
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S. cry snR73 AGCCTGTGACAAGGCGTTATTACTGATT---
S. oct snR73 -GCCTGTGACAAGGCGCTATTACTGAAT---
S. jap snR73 TGCCTGTGACAAGGCGCTATTGCTGATT---
S. pom snR73 TGCCTGTGACAAGGCGCTTTTCTGAATGTA
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S. pom snR74 TTATT-AGGATGATTTATTAAATTTCAAAGACAAGCATATGTCTGATGCCATTGGTTTTG
S. cry snR74 --ATAGAGGATGAAT-ACTATAGA-CAAAGACAAGCATATGTCTGATGCCATTGGCTTTG
S. oct snR74 TGATT-GGGATGAAT-TTTATAGACAAAAGACAAGCATATGTCTGATGCCTTTGGTTTTG
S. jap snR74 --TGGGAGGATGAAT--TCGAAAAACAAAGACAAGCATATGTCTGATATCGTGAAGAT--
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S. pom snR74 AAGAAGTGA-AATGCGTCTGATTATAGACA
S. cry snR74 AAGACATAC-TATACGTCTGAAA-----
S. oct snR74 AAGATATACCTATACGTCTGA-----
S. jap snR74 -AGACTTTT--TCGTGTCTGACC-----
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S. jap snR75 ----ATGAGGAATTACTAGATGACGAGTCTGATG-TC-CATGACGAAACGACTCTATAAA
S. pom snR75 CTCAATGAGGAATAATTAGATGACGAGTCTGATT-CAATATGAAGAAAAGACTCTTAAAA
S. cry snR75 -CCGAGGAGGAACTA-TAGATGACGAGTCTGAAT-TTCCTTGATGAAAAAGACTCTTTAA
S. oct snR75 ----AGGAGGAACTA-TAGATGACGAGTCTGAATATTTCTTGATGAAACAGACTCTTTAA
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S. jap snR75 TTCCATTTCATGCCTTACTGA-----
S. pom snR75 TTCCATTTCATGC-TAACTGAGAGAACA
S. cry snR75 TTCCATTTCATGC-TAACTGA-----
S. oct snR75 TTCCATTTCATGC-TTACTGA-----
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S. cry snR77 -GGATATGAGGAAAAAACATT----GGAATTACCGGCCTAGGGGTAGCTTGCAACCTA
S. oct snR77 -GGATATGAGGAAAAACAACATT----GGAATTACCGGCCTAGTGGTAGCTTGCAACCTA
S. pom snR77 TGGAAAAGATGAAAAAACTTTTTTTTGGGAATTACCGGCCTAGGAATAGTTTACT-CCTA
S. jap snR77 -TTGTATGATGATACAAACATTTT--TGGAATTACCGTCTCAGTGGGACCGCAAT-CCCA
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S. cry snR77 CCTCGCTGAAGAAAAATTTGTGCTGCATTTTTTACTGATC---
S. oct snR77 CCTCGCTGAAGAAAAATTTGTGCTGCATTTTTTAACTGATC---
S. pom snR77 TTCCGCTGAAGAATAAAT-GTGCTGCAATTAT--GCTGATCCAT
S. jap snR77 CT---CTGATGAAAAAATTTGTGCTGCAACTTTTTACTGACT---
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S. oct snR78 ----TTGATGACTCATTTTTTA--TTACAAACTAGAGTTTCTGAT-TGTTTA-CGTGATCT
S. cry snR78 ----TTGATGACTCATTTTTT---TTACAAACTAGAGTTTCTGAT-TGTTTAACGTGATCT
S. pom snR78 ATCTTTGATGACCATTTTTTTAAAATACAAACTAGAGTTTCTGAT-TAATT--TATGATTT
S. jap snR78 -GCAATGATGT-----TTTTGTCAAACAAACTAGAGTTTGTGATGTACAACACATGATCT
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S. oct snR78 AAAATTCTTTAACTGA-----
S. cry snR78 AAAATTCTTTAACTGAGT-----
S. pom snR78 CAAATTCTT--GCTGAGTTTAGT
S. jap snR78 CAACCTTACTTGCTGA-----
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S. oct snR79 ACTACGCTGATGAT--TGATTTGCTTGCTGGAGA--TTTTTCGATGAAGGCACAA--TTT
S. cry snR79 ACTACGCTGATGAT--TCATTTGCTTGCTGGAGA--CATGTCGATGAAGGCACAA--ATT
S. pom snR79 ACTACGCTGATGACACTGTATTTGATGCTGGAGAATCCGTTCCGGTGAAGGCACAATGATT
S. jap snR79 GTTGTGGTGATGACAACCTTTTTATGCTTGAATA-----CTATGAGAGCATAAGATTT
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S. oct snR79 -----AAAGACTACAACGGTATCTGAGT---
S. cry snR79 -----AAAGACTACAACGGTATCTGAGT---
S. pom snR79 TCTCAAAAGACTACAACGGTATCTGAGTGGT
S. jap snR79 CTC--AAAGACTACAACGGTATCTGAG-----

S. cry snR80 --AAT-ATGATGAACAATATGCTGGCACCCGTCTCATCTTGCTTTTCTTTTCAATG-GAA
S. oct snR80 --AAT-ATGATGAGCAATATGCTGGCACCCGTCTCATCTTGCTTTTCTTTTCAACGAGAA
S. pom snR80 TGAATGATGATGAACAATATGCTGGCACCCGTCTCATCTCTTCGTTATTGTC-----
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S. cry snR80 AAGTAAGAATTGATGATACTTTTGCAGAACGTCAATATACGCATGGTGTTCCCTGATTTCT
S. oct snR80 AAGAAGGAATTGATGATACATTTGCAGAACGCCAATATACGCATGGTGTTCCCTGATTTCT
S. pom snR80 --GAAAGAAATGATGATTATTTTGTGACACCAA--ATACGTGGGGTCCCTGATTTCA
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S. oct snR81 -AGCCTGATGATATT-CATATACGTCTTCTTTACCCGTCTTATCGACTATGACGATACAA
S. cry snR81 ----CTGATGATATTATATATGCGTCTTCTTTACCCGTCTTATCGACTATGACGATACAA
S. pom snR81 TGTCTGATGATATT--AT-TATGTCTTCTTTACCCGTCTTATCGACTATGACGATA-AC
S. jap snR81 -GTTACGATGA-ATACTTTATGCGTCTTCTTTACCCGTCTTATCGACTATGAAGAAAAAC
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S. oct snR81 ATCGCCTCTCTCAATTTTTTTT-CCCAGAGAGGTAATACTTGCCAGTATTTTAGGTGTCT
S. cry snR81 CTAGCCTCTTTCAATTTTTTTTCCCAGAGGTAATACTTGCCAGTATTTTAGGTGTCT
S. pom snR81 TTTGTCTCCACTA-----TAGGTGGAGACCATACTTGCCAGTATCTTCGATGTCT
S. jap snR81 GTGGCTGCTTCCA-----GGCAGCTAATACTTGCCAGTATCTT-GTAGTCT
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S. oct snR81 GATT-
S. cry snR81 GAATT
S. pom snR81 GAAT-

<i>S. jap</i> snR81	GAAC- **
<i>S. cry</i> snR82	--TCGAATGATTAAATAATGAAATTTT-AACAATCTGTCAATCCCCTGAGAAGTTTCTTT
<i>S. oct</i> snR82	--TCGAATGATTAAACAAATGAATTT--AACAATCTGTCAATCCCCTGAGAAATATCTTT
<i>S. pom</i> snR82	TGTCGAATGATTAAATGTATGAATTTTTATCAATCTGTCAATCCCCTGAGAT-TTTCATT
<i>S. jap</i> snR82	-TGTTTATGATTAAAGCAAATGAATT---ACCAATCTGTCAATCCCCTGAA---TCATATT
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<i>S. cry</i> snR82	GACGAGAAAATTCAT-AA-TTATGACG---
<i>S. oct</i> snR82	GACGAGAAAATTCAA-AAGTTATGACGA--
<i>S. pom</i> snR82	GAAGAGAATATTCATCGAATTATGACGGCA
<i>S. jap</i> snR82	GATGTGAACTTTCATTAGAATATGAAACAA
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<i>S. oct</i> snR83	--GAAATGATGTTATGAAAATCGATTAGTCTTGAAGACA-AATCCCATGGTTAT-TATAT
<i>S. cry</i> snR83	--GAAATGATGTAAAAAATCGATTAGTCTTGAAGACA-A-TCCCATGGTTAT-TAC--
<i>S. pom</i> snR83	TACATATGATGCTTTACAAATCGATTAGTCTTGAAGACACAACCTATGTGGTTAAATTTTT
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<i>S. oct</i> snR83	GTATTCACACACTGATCA-
<i>S. cry</i> snR83	GTATTCACACACTGATC--
<i>S. pom</i> snR83	ATACTTGATACTGACGTC
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<i>S. oct</i> snR84	--TTGATTGATGAGGCTT--TATAACTCGCTA--TCTCTGTGAGCGCATG--TTAAACAC
<i>S. cry</i> snR84	--TTGATTGATGAGGCTT--GAAAACTCGCTA--TTTCTATGAGCGTATG--TTAAACAC
<i>S. pom</i> snR84	TGCGTTTTGATGAGGATTATTTTAACTCGCTAAATTTTCATGAGCGCAAAGTTAAACAC
<i>S. jap</i> snR84	---GTTTTGATGAGTCTC---TTAACTTGCTGA--TGCTATGAGCAAAAAGTTAAACAC
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<i>S. oct</i> snR84	TCTAATTTTTTGCTGAA----
<i>S. cry</i> snR84	TCTAATTTTTTGCTGAA----
<i>S. pom</i> snR84	TCTAATTTTTTGCTGAACGCT
<i>S. jap</i> snR84	TCTAATTTTTTCCTGA-----
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<i>S. oct</i> snR85	-ATTGTGATGAA-ATAATTTGCGATTGAGAGATGGGTAAGCTCGGGTTCACGCCTGTTCC
<i>S. cry</i> snR85	----ATGATGAA-ATAATTTGCGATTGAGAGATGGGGAAGCTCGGGTTCTCGCCTGATCC
<i>S. pom</i> snR85	TTGTATGATGACTATAATTTGCGATTGAGCGATGGTATTGCTCGGGATCTTGCCTGATTC
<i>S. jap</i> snR85	--TTGTGATGAT-ATAATTTGCGATTGAGAGACAA-ACGCTTCGGATCCTCGCCTGGTTC
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<i>S. oct</i> snR85	CAAT--GGGCTCCGTCAGTATGCGACCAATACTCTTCTGAT----
<i>S. cry</i> snR85	CAAT--GGGCACCATCAATATGCGACCAATACTCTTCTGAT----
<i>S. pom</i> snR85	CCATATGGGCTCCATCAGTATGCGACAAATAATCTTCTGATTGAT
<i>S. jap</i> snR85	C-ACATGGGCTTTGTCAATATGCGACAGATTATTTACTGA-----
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