S-1. List of oilgonucleotides

Oligonucleotides for RT-PCR

ETS sense (846-865), 5'- CATATATGCGCGTCCCCTG -3', sense, complementary to *T. brucei* 5`-ETS pre-rRNA from position 846-865, used for RT PCR of ETS pre-rRNA.

SSU107, 5'- GAGCCATGCGCAGATTCC-3', antisense, complementary to *T. brucei* SSU rRNA from position 79 -96, used to for RT-PCR of 5` ETS.

ITS1-plasmid-sense, 5'- CGAAAGTTCACCGATATTGC -3', sense, complementary to *T. brucei* SSU rRNA from position 2197-2216, used for RT-PCR of ITS1.

ITS1 As 279-299, 5'- GCGAGGTTTATATACACATAG-3', antisense, complementary to *T. brucei* ITS pre- rRNA from position 279-299, used for RT-PCR of ITS1.

5.8S rRNA sense 23-40, 5'- GGCTTCCTATTTCGTTGA -3', sense, complementary to *T. brucei* 5.8S rRNA from position 23-40, used for RT-PCR of ITS2.

ITS-2 AS, 5'- CGTACACGAAAGAAGCAC-3', antisense, complementary to *T. brucei* ITS2 rRNA from position 361-378, used for RT-PCR of ITS2.

LSU 5` sense (3` end), 5'- ACCGGCTTATCTGAAAAG -3', sense, complementary to *T. brucei* LSU-5' rRNA from position 1794-1811, used for RT-PCR of ITS3.

srRNA1, 5'- TAATGCGCCGAACTCACAAC -3', antisense, complementary to *T. brucei* srRNA1 rRNA from position 177 to 196, used for RT-PCR of ITS3.

sr1 sense (165), 5'- AAAATGCAGCTCACCCTACG -3', sense, complementary to *T. brucei* srRNA1 position 146 to 165, used for RT-PCR of ITS4.

LSUB As 1-20, 5'- GAGTACGGTCTGCAGTTGGG -3', antisense, complementary to *T. brucei* LSU 3` rRNA from position 1-20, used for RT-PCR of ITS4.

LSUB 3`-80 sense, 5'- GTTTAGACCGTCGTGAGACAG -3', sense, complementary to *T. brucei* LSU 3' rRNA from position 1406-1426, used for RT-PCR of ITS5.

srRNA2 for PE, 5'-GCATGGGAGTTCCTCTCGTA-3', antisense, complementary to *T. brucei* srRNA2 from position 51-70, used for RT-PCR of ITS5.

srRNA2 sense, 5'-TTGTGAAGGGATCTCGCAGG-3', sense, complementary to position 7-26 of *T. brucei* srRNA2, used for RT-PCR of ITS6.

srRNA6 for PE, 5'-GAAAATGAAGGTACTGGGCG-3', antisense, complementary to *T. brucei* srRNA6 from position 51-70, used for RT-PCR of ITS6.

sr6 rRNA sense, 5'- TCTCGAATCGCCACTTCTCT -3', sense, complementary to *T. brucei* srRNA6 from position 1-20, used for RT-PCR of ITS7.

As ITS7, 5'- GTAATGAAATTCTTCCGTTG -3', antisense, complementary to *T. brucei* ITS7 pre-rRNA from position 38-57, used for RT-PCR of ITS7.

Tubulin sense, 5'- TGCGTGAGGCTATCTGCATC -3', sense, complementary to position 2- 21 of Tb927.1.2380 (αTubulin).

Tubulin antisense, 5'-CCCTGAAGACCAGTGCAGTTG -3', antisense, complementary to position 381-401 of Tb927.1.2380 (αTubulin).

Oligonucleotides for synthesis of T7 transcribed RNA probes

ETS A0-62 sense (+10), 5'- TACCGTACGGAAGTAGTGTGTTTTGTGTTA-3' sense, specific to T. brucei 5' ETS rRNA, from position 934-952; unpaired nucleotides are highlighted in gray, used for synthesis of ETS PCR product for Northern analysis.

18S +60 T7 AS (+10), 5'-TTAATACGACTCACTATAGGGAGAACAAACA

GGCATGCATGGCTAAGTCC-3', antisense, specific to *T. brucei* SSU rRNA, from position 42-60, carrying T7 promoter sequence (underlined); unpaired nucleotides are highlighted in gray, used for synthesis of ETS PCR product for Northern analysis.

ITS2 473 sense (+10), 5'- TACCGTACGGGTGTATCACAGGAAGCAACT -3' sense, specific to *T. brucei* ITS2 rRNA, from position 473-492; unpaired nucleotides are highlighted in gray, used for synthesis of ITS2 PCR product for Northern analysis and RNase protection.

LSU 5' 88 T7 AS (+10), 5'-TTAATACGACTCACTATAGGGAGAACAAACAAA TCCCTCTTCGCTCGCCGC-3' antisense, specific to *T. brucei* SSU rRNA, from position 88-107, carrying T7 promoter sequence (underlined); unpaired nucleotides are highlighted in gray, used for synthesis of ITS2 PCR product for Northern analysis and RNase protection.

Sr1 sense (160) (+10), 5'- AGTTCTAACTAAAATGCAGCTCACCCTACG-3', sense, specific to *T. brucei* srRNA1, from position 161-179; unpaired nucleotides are highlighted in gray, used for synthesis of ITS4 PCR product for Northern analysis and RNase protection.

LSUB AS T7 1-20 (+5), 5'- TTAATACGACTCACTATAGGGAGAACTACAGTA CGGTCTGCAGTTGGG -3', antisense, specific to *T.brucei* LSU 3` rRNA, from position 1-19, carrying T7 promoter sequence (underlined); unpaired nucleotides are highlighted in gray, used for synthesis of ITS4 PCR product for Northern analysis and RNase protection.

**LSUB 3`-80 sense (+10nt)**, 5'- TCATTAGACCGTTTAGACCGTCGTGAGACAG -3', sense, specific to *T. brucei* LSU 3` rRNA, from position 1406-1426; unpaired nucleotides are highlighted in gray, used for synthesis of ITS5 PCR product for Northern analysis and RNase protection.

ITS5 120 AS T7(+9nt), 5'-TTAATACGACTCACTATAGGGAGAACCACCACC

ACGTGTGTATAACAGCATT -3', antisense, specific to *T. brucei* ITS5 rRNA, from position 102-120, carrying T7 promoter sequence (underlined); unpaired nucleotides are highlighted in gray, used for synthesis of ITS5 PCR product for RNase protection.

Sr2 sense 3`-60 (+10nt), 5'- GGCTAGGTTTACGGTGGTTCTCGGCTGA -3', sense, specific to *T. brucei* srRNA2 from position 124-141, unpaired nucleotides are highlighted in gray, used for synthesis of ITS6 PCR product for RNase protection.

ITS6 T7 AS 5`+ 140 (+6nt), 5'- TTAATACGACTCACTATAGGGAGAGAAATT CAACGTCAATGAGCCATAT -3', anti sense, specific to *T. brucei* ITS6 rRNA, from position 122-140, carrying T7 promoter sequence (underlined), unpaired nucleotides are highlighted in gray, used for synthesis of ITS6 PCR product for RNase protection.

Sr6 sense 3`-49 (+10nt), 5'-TCTTTCAACAGCTCTGCCCGCCCTTG-3', sense, specific to *T. brucei* srRNA6, from position 31-46, unpaired nucleotides are highlighted in gray, used for synthesis of ITS7 PCR product for RNase protection.

ITS7 T7 AS 5`+ 189 (+6nt), 5'- TTAATACGACTCACTATAGGGAGATATCTGTAG TACCACACAGTGTGA-3', anti sense, specific to *T. brucei* ITS7 rRNA, from position 172-189, carrying T7 promoter sequence (underlined), unpaired nucleotides are highlighted in gray, used for synthesis of ITS7 PCR product for RNase protection.

TBsRNA-3, 5'-TGCCGAATGGCTGTGGG-3', sense, specific to sequence 14-30 and 5'-TTAATACGACTCACTATAGGGAGAATTACACACACTCGCTC-3', antisense, complementary to sequence 57-73 of TBsRNA-3, carrying T7 promoter sequence (underlined), used for synthesis of TBsRNA-3 PCR product for RNA probe.

TBsRNA-4, 5'-TGAAGACGGCGTTATTG-3,' sense, specific to sequence 26-41 and 5'-TTAATACGACTCACTATAGGGAGATATCTTTTGGTGAGGCA-3', antisense, complementary to sequence 106-118 of TBsRNA-4, carrying T7 promoter sequence (underlined), used for synthesis of TBsRNA-4 PCR product for RNA probe.

TBsRNA-10, 5'-GCGGGCGCAAGGATTTC-3', sense, specific to sequence 1-17 and 5'-TTAATACGACTCACTATAGGGAGAAAGGGCGATTGCGGCTT-3', antisense, complementary to sequence 136-153 of TBsRNA-10, carrying T7 promoter sequence (underlined), used for synthesis of TBsRNA-10 PCR product for RNA probe.

TB10Cs3C1/H1, 5'-TCGCGTGATGAGGTGCA-3', sense, specific to sequence 1-17 and 5'-TTAATACGACTCACTATAGGGAGACCTCTCGCACGTGCTTC-3', antisense, complementary to sequence 174-190 of TB10Cs3C1/H1, carrying T7 promoter sequence (underlined), used for synthesis of TB10Cs3C1/H1 PCR product for RNA probe.

TB11Cs2H1 (SLA1) , 5`-CATGACCATACCCCATATATAC-3', sense, specific to positions -30 to -19 relative to Tb11Cs2H1 (SLA1) and 5'TTAATACGACTCACTATAGGGAGAGAGTCTCGCTCTCCAGTTTC-3', antisense, carrying T7 promoter sequence (underlined), complementary to position 52-71 of SLA1, used for synthesis of SLA1 PCR product for RNA probe.

U3 , 5`AAG ACC GTA CTC TGA ACA GAA TCG-3', sense, specific to positions 1-24 of U3 and 5`-TTAATACGACTCACTATAGGGAGAATCCTTCTGGAACCGGCTC-3', antisense, carrying T7 promoter sequence (underlined), complementary to position 124-142 of U3, used for synthesis of U3 PCR product for RNA probe.

SL RNA: 5′-AACTAACGCTATTATTA-3′, sense, complementary to positions 1–17 of SL RNA and 5′-TTAATACGACTCACTATAGGGAGAAAAAAAATAAAAAAAATA-3′, antisense, complementary to positions 143–161 of SL RNA, used for PCR amplification of the 161-bp fragment for in situ hybridization.

U2 snRNA: 5′-ATATCTTCTCGGCTATTTAG-3′, sense, complementary to positions 112–131 of U2 snRNA, and 5′-TTAATACGACTCACTATAGGGAGAACCGTCGCGCTCCGTCCGGA-3′, antisense, complementary to positions 240–259 of U2 snRNA used for PCR amplification of the 148-bp fragment for in situ hybridization.

Oligonucleotides for primer extension and northern analysis

AS TB6Cs1C1, 5'- CAGTAAATCCTTGTATGAAG-3', antisense, complementary to *T.brucei* TB6Cs1C1 snoRNA from position 71-90.

AS TB6Cs1C3, 5'- TCCCGTGCTTATGATAGGTA -3', antisense, complementary to *T.brucei* TB6Cs1C3 snoRNA from position 65-84.

AS TB9Cs2C1, 5'- GTTGTGCGGCGCCCCAGAAA -3', antisense, complementary to *T.brucei* TB9Cs2C1 snoRNA from position 77-96, used for primer extension and Northern analysis.

AS TB9Cs3C3, 5'- AGACATAGCGCCTCTGTGCA -3', antisense, complementary to *T.brucei* TB9Cs3C3 snoRNA from position 101-120.

AS TB10Cs4C4, 5'-AGTCAAATACAGCACTCTCG-3', antisense, complementary to *T.brucei* TB10Cs4C4 snoRNA from position 72-91.

AS TB9Cs5C1, 5'-TTAGTGAAGCGTGTGTAAGT-3`, antisense, complementary to *T.brucei* TB9Cs5C1 from position 56-75.

AS TB11Cs2C2, 5'-CAGGGCATAAAATAGTAC-3`, antisense, complementary to *T.brucei* TB11Cs2C2 from position 66-83.

AS TBsRNA-4, 5'-TATCTTTGGTGAGGCAG-3`, antisense, complementary to *T.brucei* TB11sRNA-4 from position 105-121.

tRNA control : 5'-GCTCCCGCTAATTGAGTG-3`

U2 AS : 5'-GAACAGTTTAATAAC-3`, antisense, complementary to positions 31–45 of U2 snRNA.

AS TB5Cs1C1, 5′-TGTTTTCAATCGCAGGGTCC-3′, antisense, complementary to snoRNA TB5Cs1C1, from position 38 to 57.

U3 AS, 5'- TGCCGTTCATCGAAC -3', antisense, complementary to *T.brucei* U3 snoRNA from position 107-121.

TB10Cs3C1H1_Probe 1, 5'-CCTCTCGCACGTGCTTC-3'**,** antisense, complementary to *T.brucei* TB10Cs3C1H1 from position 174-190.

TB10Cs3C1H1_probe 2, 5'-CATCAGAGATTGTTCAC-3', antisense, complementary to *T.brucei* TB10Cs3C1H1 from position 96-112.

TB9Cs2C1_Probe1',5'- GGAATGTTGTGCGGCGC -3' antisense, complementary to *T.brucei* TB9Cs2C1 from position 85-101.

TB9Cs2C1_Probe2', 5'-GCCTCGGACGCAGGACG-3', antisense, complementary to *T.brucei* TB9Cs2C1 from position 111-127.

TB6Cs1C2_Probe 1, 5'-ACGTCGACGCGTACACC-3', antisense, complementary to *T.brucei* TB6Cs1C3 from position 77-93.

TB6Cs1C2_Probe 3, 5'-TAACAACATCATTGGCG-3', antisense, complementary to *T.brucei* TB6Cs1C3 from position 17-33.

TB6Cs1C3_Probe 2, 5'-CACCTCAGCGTTTCCTC-3', antisense, complementary to *T.brucei* TB6Cs1C3 from position 65-81.

TB1Cs1H1, 5'-CGCTCTCGGGTACCTTAA-3', antisense, complementary to *T.brucei* TB1Cs1H1 from position 51-68.

TB1Cs2H1, 5'-TGATCTCACTAGCTCATC-3', antisense, complementary to *T.brucei* TB1Cs2H1 from position 52-69.

TB7Cs3H1, 5'-CCTTCTCCGACGATTTA-3', antisense, complementary to *T.brucei* TB7Cs3H1 from position 57-73.

TB11Cs6H1, 5'-ATATCTCTCTCACATGA-3', antisense, complementary to *T.brucei* TB11Cs6H1 from position 50-66.

TB11Cs1'H1, 5'-GAATTCTCGTGGCCTTT-3, antisense, complementary to *T.brucei* TB11Cs1'H1 from position 56-72.

TB3Cs3C1, 5'-AATCAGAGTTGTGTTAA-3', antisense, complementary to *T.brucei* Tb3Cs3C1 from position 64-80.

TB7Cs2C1, 5'-TCAGAACACACGTATTG-3', antisense, complementary to *T.brucei* Tb7Cs2C1 from position 52-68.

TB11Cs4'C1, 5'-AACGGTTATTCCATCAC-3', antisense, complementary to *T.brucei* Tb11Cs4'C1 from position 54-70.

Oligonucleotides for the silencing constructs:

T7 TB10Cs4C4 S XhoI, 5`- CCGCTCGAGGGCTGTGTATGAGGACAGAA -3`, sense, complementary TB10Cs4C4 from position (-4) to (+16) relative to the +1 position of the gene, including the XhoI site (underlined), used for PCR amplification of the 150 bp fragment for cloning into the pZJM vector.

T7 TB10Cs4C4 AS HindIII, 5`- CCCAAGCTTAATAGAAGGTAACACTGAAG -3, antisense, complementary TB10Cs4C4 from position (+132) to (+151) relative to the +1 position of the gene, including the Hind III site (underlined), used for PCR amplification of the 150 bp fragment for cloning into the pZJM vector.

T7 TB9Cs2C1 S XhoI, 5`- CCGCTCGAGTTGTACTTTGCCCATGACGA -3`, sense, complementary TB9Cs2C1 from position (-9) to (+11) relative to the +1 position of the gene,

including the XhoI site (underlined), used for PCR amplification of the 157 bp fragment for cloning into the pZJM vector.

T7 TB9Cs2C1 AS HindIII, 5`- CCCAAGCTTAAGGTGAGAAAGTTACCGTA -3, antisense, complementary TB9Cs2C1 from position (+118) to (+137) relative to the +1 position of the gene, including the Hind III site (underlined), used for PCR amplification of the 157 bp fragment for cloning into the pZJM vector.

T7 TB6Cs1C3 S XhoI, 5`- CCGCTCGAGTGGTTTGTGTGTGTGTGTAT -3`, sense, complementary TB6Cs1C3 from position (-42) to (-22) relative to the +1 position of the gene, including the XhoI site (underlined), used for PCR amplification of the 152 bp fragment for cloning into the pZJM vector.

T7 TB6Cs1C3 AS HindIII, 5`- CCCAAGCTTTGCAAAGAAAGGGGGAAGAT -3`, antisense, complementary TB6Cs1C3 from position (+90) to (+109) relative to the +1 position of the gene, including the Hind III site (underlined), used for PCR amplification of the 152 bp fragment for cloning into the pZJM vector.

Oligonucleotides for Northern Analysis:

7SL: Tb927.8.2861

7SL sense: 5'- CCGCTCGAGAGCCGGAGCGCATTGCTCTG-3` from position 1-21.

7SL antisense: 5'- CCCAAGCTTCCGCCTCGCGACGACACTTG-3` from position 255-274.

Oligonucleotides for the “RNA walk”:

5681S: 5’- ACTTGCAGACCGTACTCATCA-3`, sense, complementary to positions 5-25 of LSUβ rRNA.

LCLSUβ560AS: 5’- CATGCGCGTCTCTAATTG-3`, antisense, complementary to positions 538-558 of LSUβ rRNA.

6393S: 5’- GTAGTATAGGTGGAAGCGC-3`, sense, complementary to positions 699-717 of LSUβ rRNA

LCLSUβ1090AS: 5’- CACTGAGCTCGCCTTAGG-3`, antisense, complementary to positions 1079-1096 of LSUβ rRNA.

LSUβ1088S: 5’- GCTCAGTGGGAACAGAAA-3`, sense, complementary to positions 1089-1106 of LSUβ rRNA.

LCLSUβ1450AS: 5’- CTTTGCACGGATAATCTT-3`, antisense, complementary to positions 1447-1466 of LSUβ rRNA.

3373S: 5’- GAGTGTGGCAGGACCACCCG-3`, sense, complementary to positions 9-28 of LSUα rRNA.

LCLSU500AS: 5’- GAAATGGAGGTACTTCC-3`, antisense, complementary to positions 494-510 of LSUα rRNA.

4353S: 5’- GTAGCGATGCTGACGTGCAA-3`, sense, complementary to positions 979-998 of LSUα rRNA.

LCLSU1580AS: 5’- GGGCCGGTGGATTCGGTT-3`, antisense, complementary to positions 1417-1434 of LSUα rRNA.

LCM21S: 5’- GTGAGATTGTGAAGGGAT-3`, sense, complementary to positions 1-18 of SR2 rRNA.

LCM2-120SRLAS: 5’- CGAGAACCACCGTGCGAT-3`, complementary to positions 119-137 of SR2 rRNA.

RR171: 5`-GAGTGTGGCAGGACCACCCG-3`,Sense, complementary to positions 1-21 of LSU5` rRNA.

RR176: 5`- TCCCTTGCGCGTCTGTTT-3`,Antisense, complementary to positions 925-942 of LSU5` rRNA.

RR291: 5`- AATCTCCAGCCAAGTAGGGT -3`,Antisense, complementary to positions 1375-1393 of LSU 3` rRNA.

RR293: 5`- GTAGTATAGGTGGAAGCGCA -3`, Sense, complementary to positions 718-737 of LSU 3` rRNA.

RR364: 5`-GGCTAGGTTTACGGTGGTTCTCGGCTGA-3`, Sense, complementary to positions 124-141 of srRNA2. Nucleotides highlighted in gray are unpaired nucleotide to make use of this oligo for RNase protection also.

RR382: 5`- CACAAGCCGTGCCCACACACT -3`, Antisense, complementary to positions 90-111 of ITS6 rRNA.

RR391: 5`- TCTCGAATCGCCACTTCTCT -3`, Sense, complementary to positions 1-20 of srRNA6.

RR392: 5`- GAAAATGAAGGTACTGGGCG -3`, Antisense, complementary to positions 51-70 of srRNA6.

RR292: 5`- ACTGCAGACCGTACTCATCA -3`, Sense, complementary to positions 5-24 of LSU 3` rRNA.

RR300: 5`- GGCAGAAATCAGTTTGCG -3`, Antisense, complementary to positions 385-403 of LSU 3` rRNA.

ITS4 Sense1-20: 5`- TATGGAAAATGAAAACAAAA -3`, Sense, complementary to positions 1-20 of ITS4 rRNA.

RR281: 5`- TATAATATATGATTTTTGTTTTC-3`, Antisense, complementary to positions 41-62 of ITS4 rRNA.

ITS5 Sense1-20: 5`- GGCAGTCCGTTTTTTTCTGG -3`, Sense, complementary to positions 1-20 of ITS5 rRNA.

RR353: 5`- TACACGTGTGTATAACAGC -3`, Antisense, complementary to positions 118-136 of ITS5 rRNA.

ITS6 Sense1-20: 5`-AAAAGCAAAAAGCAAAAAGA -3`, Sense, complementary to positions 1-20 of ITS6 rRNA.

RR383: 5`- TTAATACGACT CACTATAGGGAGAGAAATTCAACGTCAATGAGCCATAT -3`, Antisense, complementary to positions 122-140 of UTS6 rRNA. Underlined nucleotides are

T7 sequence and gray marked are extra nucleotides to use the same oligo for RNase protection also.

ITS7 Sense1-20: 5`- TGTTTTGAACGCGTTGAACA -3`, Sense, complementary to positions 1-20 of ITS7 rRNA.

RR411: 5`- GGTTCACAGAGTTGGTGGC -3`, Antisense, complementary to positions 294-314 of ITS7 rRNA.

RR134: 5`- GGCTTCCTATTTCGTTGA-3`, Sense, complementary to positions 22-40 of 5.8S rRNA.

RR133: 5`- ATCGCACTTTGCTGCGTTCT -3`, Antisense, complementary to positions 41-60 of 5.8S rRNA.

RR131: 5`- ATTCGACACTGAGAAATGTGGC -3`, Antisense, complementary to positions 151-172 of 5.8S rRNA.

RR172: 5`- GTAGCGATGCTGACGTGCAA -3`, Sense, complementary to positions 978-997 of LSU5` rRNA.

RR177: 5`- GGCTTAAGCGTCATCCATTT -3`, Antisense, complementary to positions 1605-1624 of LSU5` rRNA.

RR178: 5`- ACCAGCTATCCTGAGGGAAA -3`, Antisense, complementary to positions 1238-1257 of LSU5` rRNA.

Biotinylated Oligonucleotides for the affinity:

Biotin Anti TBsRNA-4: 5'-biotin/ CCGCCATCTGCTATCTAAGTGC -3', anti sense, complementary to TBsRNA-4 from position 48-67. Used for affinity purification of TBsRNA-4 cross-linked species. Unpaired nucleotides are highlighted in yellow.

Biotin Anti TB9Cs2C1: 5'-biotin/ CCCCATGTTCGGGTGTGTGTCA -3', anti sense, complementary to TB9Cs2C1 from position 34-53. Used for affinity purification of TB9Cs2C1 cross-linked species. Unpaired nucleotides are highlighted in yellow.

Biotin Anti TB6Cs1C3: 5'-biotin/ CCCTTATGATAGGTAGCTTAGT -3', anti sense, complementary to TB6Cs1C3 from position 48-67. Used for affinity purification of TB6Cs1C3 cross-linked species. Unpaired nucleotides are highlighted in yellow.

Biotin Anti TB10Cs4C4: 5'-biotin/ CCTCAGTCAAGTACAGCACTCT -3', anti sense, complementary to TB10Cs4C4 from position 74-93. Used for affinity purification of TB10Cs4C4 cross-linked species. Unpaired nucleotides are highlighted in yellow.

S-2

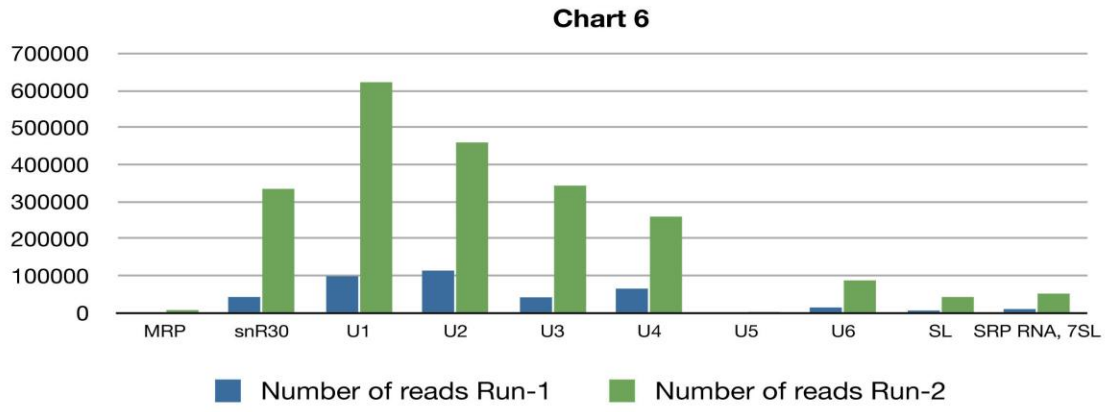
		Run 1			Run 2		
	Total number of known	Found in deep sequencing	Percentage found	Number of loci	Found in deep sequencing	Percentage found	Number of loci
C/D snoRNA	69	62	90%	232	62	90%	246
H/ACA snoRNA	48	42	88%	148	42	88%	147
tRNA	66	66	100%	70	66	100%	76
rRNA	106	106	100%	132	106	100%	171
siRNA	NWA	NWA	NWA	1217	NWA	NWA	5794
abundant sRNA	10	10	100%	39	10	100%	39

Abundant sRNA (UsnRNA, MRP, SLRNA, 7SL, snR30)

S-2. Summary of published RNAs identified in both runs.
Comparison between the results obtained in the first and second run of the RNA seq, demonstrating the number of loci detected for each group of RNAs and the extent to which these cover the known groups of small RNAs.

S-3

	Length (nt)	Number of repeats	Number of reads Run-1	Number of reads Run-2
MRP	533	2	950	7659
snR30	169/270	2	42843	334518
U1	84	1	98734	621994
U2	373	1	114079	459460
U3	147	1	41933	343143
U4	114	1	65418	259669
U5	76	1	1023	2403
U6	99	1	14507	87467
SLRNA	128	28	6442	42935
SRP RNA, 7SL	261	1	10435	51861



S-3.Comparison of the number of reads in both runs of abundant sRNAs. The number of reads obtained in each of the runs for the U snRNAs, 7SL (SRP) RNA and SL RNA is given.

S-4: The sequence, and the number of reads of each snoRNA.

Cluster	snoRNA	Status	length (bps)	# of genomic repeats	max num reads I	max num reads II	Sequence
TB1Cs1	TB1Cs1H1	DS	82	2	507	2929	GAAGGGCGCGTTGAGTGGGAAGCCATGCCGAATTTAGTGCGAGGCCATCCTAATTAAGGTACCCGAGAGCGCGGTGAGTTGTG
TB1Cs2	TB1Cs2H1	DS	64	4	503	5933	TTGGGGTCCCTGTCTGTCCTTACGTGACTATGTATGAACCGTCACGTGTAAGATGAGCTAGTGA
TB2Cs1	TB2Cs1C1	Doniger et al. 2010	200	1	0	0	TCTGCATTGGAACGTATGGCATCATGGCGGATTGGGTGTATCGCGGTTATGTGGATTTGTGGTATGGCGTGTAT
TB3Cs1	TB3Cs1C-1	Barth et al. 2008	84	3	395	3448	TGATGTGAATCTATCTGTGCAAATGACACCTCTAGTCTGAAACACAACATGACGCGAGCACAAATACAAGTTATCCCTGGCTGA
	TB3Cs1C1	Liang et al. 2005	71	3	97	668	CTGATGACTATAACGTTTCACTCTTGTCGTAGGAAATGTCTTGACGAAACTTATACTTCGTTTGATTCTGA
TB3Cs2	TB3Cs2C1	Liang et al. 2005	119	2	0	0	GTGACGAATTTGAAGCCTCCGAGTCCGGAAAGAAGGATCCTGACACTGAGGATCAGAAAGATACCGAGTCGGAGCGGTCCCGCTCATCATCGAAGAAGCCTGAGGA
TB3Cs2'	TB3Cs2'H1	Myslyuk et al. 2008	150	1	52	1066	TAATGAGGGTCTAAGAGCTGGGGACCGGAACCTTTCCATGTTCTTCCCAGTGTCATTGCCCTCAGAGA
	TB3Cs2'H2	Myslyuk et al. 2008	85	1	144	632	GCAGCAGAGATGTTTGAGGGGCTTTGCTGCCACGAAGTGTGGCCACAATAGCAAATACTGCGCCATAGGTACTCTGCAAGAAAT

TB3Cs3	TB3Cs3C1	DS	80	1	112	2031	TATGATGTCCAAATGCCAAATTTTACGCATCTATTTTTCTGATGTGAAACGATGAATCAAAGCTTAACACAACTCTGATT
TB5Cs1	TB5Cs1C1	Liang et al. 2005	87	3	1908	9325	GTGATGAATTTTAAGCTTAGGACACCTTTGGACGCAGGGACCCTGCGATTGAAAACAGTGAAACTTGATCGATTCGTACACTGATTT
TB5Cs2	TB5Cs2H1	DS	105	1	165	1345	AAGAGCTGCATTTCGCCGAGAGTGAACAAAAAAAAACCAGTGTTTTCGCTCGTATAGAGCAGCTCCAGATTAAGTGAAGTGCGCGCCGTTATGGGTTCATTTGGG
TB6Cs1	TB6Cs1C1	Liang et al. 2005	93	5	12966	110158	AGCATGATGATCATACGTGCAATTCCTGTGGTATCTGAAAAATGCAATGACAGAAGAACTGCGACGATGCCTTCATACAAGGATTTACTGACT
	TB6Cs1H1	Liang et al. 2005	68	3	93	861	GGCTAGCGAAAACACAGGCGTTTTGCTTACGTCAATCACTGCGTCTGCACCTGTGCTACCCGAGAGTT
	TB6Cs1H2	Liang et al. 2005	72	5	2033	9575	CGAGCCCCGTGGGTGAGGCGGCGGCGGTAACTCTTTGGTGCTGTGACGGCCTCAATCGGACCCGCGAGAGCT
	TB6Cs1C2	Liang et al. 2005	64	5	317	2417	CCAATGATGTTGTTATTTAATTATACACCTGATCATGTTGTTGATGAGAGGAAACGCTGAGGTG
	TB6Cs1H3	Liang et al. 2005	68	6	336	1973	GTACCGCGGGTTGCACCGTTGCGGGACACGCTGATTGTCCATGTGACGGACTTGCCTGTGGAAGAGTG
	TB6Cs1H4	Liang et al. 2005	77	6	223	2216	ACACCTCATTATTAAAGGTCCCTTGGCGACTGTACTTATCGATGCCGCTCCACAGGATACCCATTGAGGTTAGATGC
	TB6Cs1C3	Liang et al. 2005	89	6	7837	75141	GATGATGCTAACAATCGAGGCATTTGTATGATTTTCAAATGAATTAGGCATCCGTGCACTAAGCTACCTATCATAAGCACGGGACTGAT
TB6Cs2	TB6Cs2C1	Liang et al. 2005	90	1	2	0	CGCTGATGAATTAATTTTTCTGAGTGTTTTCTTAGAGTTCCGTAACGGGCATGATAAGCACACAAATTATGAACCCTTTAACTCTGAGAG
	TB6Cs2H1	Liang et al. 2005	71	1	115	2223	GAAACACAGAAATCGTGATCCCTATTGATACACGTTTTTCAGCTGCGGATTATCAAAACTGTGTGAGATGA
	TB6Cs2C2	Liang et al. 2005	99	1	0	0	AATGTTGATGAGAGGAACTTGTAAGTTTGATTCTTTCCTGAGGTAGTGTGTATTACGAAAATTAACTTGTGAGAAAGCATTCAAATGTTGTTTTGAAGG

TB7Cs1	TB7Cs1C1	Barth et al. 2008	87	1	0	0	TACGGTGATGAAAATACATGTATATGCTAACTTTTCTGTACTCCATGGAGTGAGCATGAAGTGAATTATCCGCAGAGAAGTCTGAAA
TB7Cs1p	TB7Cs1'H1	DS	75	1	26	293	TCACGAATGGGTAGTCAGCTGCAGTCCGGCTTCACAAGTCATAGGCCACCGTGGCGTTACCCCATTCGAAGAGCC
TB7Cs2	TB7Cs2C1	DS	68	1	130	1096	AACATACTTTTTTCCTAACAAAACGCCTGAATGTGTTGAATGATGCACAACCAATACGTGTGTTCTGA
TB7Cs3	TB7Cs3H1	DS	74	2	58	470	AACGACGAAGCTTACCGCGTGGGGTTCATTAAACTAGTGAACAGCGCACGTAGAATAAATCGTCGGAGAAGGG
TB8Cs1	TB8Cs1C1	Liang et al. 2005	83	6	4902	26100	GTGTGTGATGTATATACGACTATGAACAACTCGTCAGAGTGCTATCTTTGATGATCACATACATTTTGCTTCCTCACTGACAA
	TB8Cs1C2	Liang et al. 2005	74	5.5	468	3604	CACGGTGATGTTCAATACAATAACTGATGTAATGAGACCTAGTGGAATACTGCGGACACTTCTTGTTCTGAGCG
	TB8Cs1C3	Liang et al. 2005	118	5	2622	19331	ACACATGATGAGCAGCAAAGAAAGGGAATCTCTTGTCGAGCTCAGGGAATGAATCCCAGTGGCGGTGACATGACAAACTTTGATATTACTATAATCCATTCTATTCTGTTACTGATGC
	TB8Cs1C4	Liang et al. 2005	78	6	2419	24156	TCCCTTGATGATTGTGGCAACTCTCCACGGAACTTATCTGACAAAATTTGCCTACGAACCTATTACCAAGGCTGAGGT
TB8Cs2	TB8Cs2C0	Liang et al. 2005	96	1	235	1160	GCGCGTGATGAATAAATACAAACGACCAATAATCGGAAGCGTCAGTAACACCTCACGCATGACGCCACTTTGAATGCAATACTAATTATCTGACTC
	TB8Cs2H1	Liang et al. 2005	67	5	145	280	ACACCTCCGCTTCGCTCGTGGCATTCTTCCAGTGAGCGCACTTACGATGGATGGTGGAGGAAGAATA
	TB8Cs2C1	Liang et al. 2005	94	3	776	5838	TACCTCGATGATGTGTATGAGAACAAGCATATGTCCGAGCTGACCACAATTGTGGCACAATGAGAGCATTACTCGAGTCCTTGAAAGCTGAGTG
	TB8Cs2C2	DS	85	3	722	5533	GCAAAGCAAATAAACAGCGGGGGAAACCTCGTCTCAAAATGTGATTTTGCGTGAACGAGCGTTTTCAAGCGTCATCCACTGACTC

TB8Cs3	TB8Cs3C1	Liang et al. 2005	83	3	27	729	GCCAGTGATTATACGTAATGTCTTTGCTACAGGTGATTGTACGATATGACCATACCGACTAAACCAACCGAGATCAATGAGGC
	TB8Cs3C2	Liang et al. 2005	87	3	478	3055	CGGTGTGATTACAGACAGGATGTAAGTGAGTCAATGTCAATATCTCCGTATTACACCATGAGGACTATTGTCCCCCGTGTCTGACCG
	TB8Cs3C3	Liang et al. 2005	81	3	463	2964	ACACATGATGTCATTTCGTATTCTGCAATACTGACAATAACTTGAGCGAGACAAGACATATTTGACTACTGGCAACTGAAAC
	TB8Cs3H-1	DS	67	6	151	493	CACGAGGCTCAAAAGAACACACTGAGCGTGTACCAATGCCCAGTGAGTGGGACAGCCATCGAAGATAA
	TB8Cs3H1	Liang et al. 2005	65	5	561	5316	CAATGAGGTTCGAATGCGCCTGACGGTTTTTGTCCGACGTGGTGTGGGAAACGCCTCAAAGAAGT
TB8Cs4	TB8Cs4C1	Myslyuk et al. 2008	90	1	13	0	TGATGAGAGAAAGAGGGAAGGGAATGACCATCGGATTAATGAAAACATTTCATAGCACATGTGGAGCGGTGTAAATCCTTCTGTTTCTGA
	TB8Cs4H1	Myslyuk et al. 2008	70	1	0	0	CATCTGTGGGCCTCACCCGGGTGATTAATGCACTTTAAAAGTGGGGAACGTGACACCCAAAGGGAGAAGG
	TB8Cs4H2	Myslyuk et al. 2008	73	1	427	3158	AAACGAGGGACATCGTCGGGGGCTCTGATTCAACTTCTGTGGGGCCAAACCGAAACAACACCTTCGAAGATAT
TB8Cs5	TB8Cs5H1	DS	68	1	114	1090	ATCCCAATGATTTGCCGCCATTGATCGACAGAAATGCTCAGCCAGGCGTACTCAGTTGGGGGAGATGT
TB8Cs6	TB8Cs6H1	DS	68	1	388	1330	AATGACCGTTTCGTGCCTTCACTACCTCGATGTGCAGTGGTAGATGGAAGTCAGATAGCGGCCAGAGA
TB9Cs1	TB9Cs1H1	Liang et al. 2005	68	2	220	1662	ACAGCACAGAAAATGAAGCTAGTTATGGCGTACCGCTGCTGCTCTAGTGCCGACACTGTGCGAGATGC
	TB9Cs1H2	Liang et al. 2005	71	2	88	0	ACACGGGGCAATCCGAGGTCAGTGAGCTTCACTTCGTGCCGCATGATGCCTTCTGGTGGCTCCGGAGAAGC
	TB9Cs1C1	Liang et al. 2005	98	2	707	7322	CTTCGTGATGATCCCGCGAACTGAGTGTACCTTTTTTCAGCACTTTCGTGCAATGGAATGTAATGGCACGGTGCCCTCTTGTTGGGTGTACTGATA
	TB9Cs1H3	Liang et al. 2005	67	2	297	1304	AGAACGCGCTATTAGCTCCCAACGGGTATGACTGCTTCCACTTGGGTTCCTGAGGCGTGTGAGAGTG

TB9Cs1'	TB9Cs1'H1	Doniger et al. 2009	70	2	539	2770	GCAGTACCGTGTTACCCTACCGACTACTTTGATATGTTGGATGATTTGGGTGTCAAAGGGCTGCAAGAT
TB9Cs1"	TB9Cs1"H1	DS	80	1	99	981	CCTTCCGCCTTTGTAGCCCACTGCTGTCGCAGTTGTGCCGCACTTTTGGCCGGATACGGTGTTGGCTCCGGTGAGAAGACA
TB9Cs2	TB9Cs2C1	Liang et al. 2005	107	6	20053	83675	GCCCATGACGATAAACCACTTACGACGGTCTTATGACACACACCCGAACATGGATTGAGCACGAGTGTTACGATAGTTTCTGGGGCGCCGCACAACATTCCCGAGGC
	TB9Cs2C2	Liang et al. 2005	87	7	696	5143	GTCAATGATGAGTCTGTCAAATCCGTGTTTCAGCTGAATTTATTTGATGCTGACATCAGTTAATTTTGTCTGTTTGACTTCTGAGTA
	TB9Cs2C3	Liang et al. 2005	97	7	10266	72197	GTGGCCGATGATGGAAACTAGTTGAGCGTCCAAACATGTTCCGACGTCATATTCATGAGGGATCTATACAACACAAATCACCTTTCGGGTCTGATGG
	TB9Cs2C4	Liang et al. 2005	76	7	780	5822	GGGTGACGATGTACAATATGTTCAAATTGCACCGAGAACCTGTGAGGACACCATAACACAGACCTGCACTGAACCT
	TB9Cs2C5	Liang et al. 2005	96	7	9903	96141	GCCACTGATGAAAGAGCTTCCGATACCGCGTAGGCGGAACGGAAACACACTATGTCGATGCAACTGTGAACTCTATCTTTCGCTCCGAGCTGACGT
	TB9Cs2C6	Liang et al. 2005	79	7	1113	9794	GCGTGTGATGAATACCTAATATAACAAATTAACAGCAACATCTGAACAGAACCCGTGACGCTAATATTGTTTCTGACGC
	TB9Cs2H1	Liang et al. 2005	75	8	136	1701	AAGGCCCACATTGGAGTTGTGTCTTGGGCTAACATTTCTGTGTCCTTGTTTGCACACTCACGTGGTCCGAGAATT
	TB9Cs2H2	Liang et al. 2005	73	8	1164	7688	AAAGGGGCTTTAGCCATGGAGCGGCCGTTTTGTGATTGCATGCCGTAGGCCATCTTGGTGCGCTCCGAGAGTT
	TB9Cs2C7	Liang et al. 2005	91	8	1876	12815	CTACTTGATGACATCAATGGACTGGAGTCTCTGAGTGTATTTGAATGACAATAACCCATTTAAAGAATATTCTTCTTTCCCCGGCTGATGG
TB9Cs3	TB9Cs3C1	Liang et al. 2005	87	4	45	481	ATTACTTGATGTATAACACGATATTCAGGTAAAGATTATCAGGAGTAACTGACTGAGATAACATCATGCACCACTCTGACCA
	TB9Cs3C2	Liang et al. 2005	125	3	1735	5540	CTCCATGATGCCATGACAAGACTATAAGAGCACAGTTTGAACTGACTTCACAAGACGGACGAGAACGTCGCTGCAATATTCTGATGA
	TB9Cs3H1	Liang et al. 2005	67	3	916	3198	GAAGCACAATTTACACGGATTCACCCTGACTTATATTTTAATGCCGGTGTTATCCGCCAGTGTTGTGCCAGATAT

	TB9Cs3C3	Liang et al. 2005	81	3	4417	35445	CTCTATGATGTTAAAAGAAGTTTTGTAGTAGGGTAAAATCTGACATCCGACCATGAAGGTACGAATTTAATGTGCTTTCATGTGCTTCTGCTATTGTGGTTGCACAGAGGCGCTATGTCTGAGAA
	TB9Cs3H2	Liang et al. 2005	75	3	4663	43716	CGAGTGCCCTCAGGTATTGTGGTGTTTGTTGCTTATCGCCATCACAGGTTCAAGAGGCACAAGAAGT
TB9Cs4	TB9Cs4H1	Liang et al. 2005	66	5	312	2856	TAAGGTTGCCTGTGTACCTCATGCGTCTCTTTGTGGTGTTGTGGGGAATGAAGGCGACCGAGATAC
	TB9Cs4C1	Liang et al. 2005	75	6	1421	10075	GATCGTGATGATATTAACCCTGCTCCGCTACTGAGTGTTGAAGCATGAAACGATATCCTTCAGGGCTACTGATGC
	TB9Cs4H2	Liang et al. 2005	73	6	1182	5741	GTAGGCCCGCCAGCTACCACGTGGAGTGTATACTCTCTATCTCTACGACGGTCGTTCTACCGGGCCAAGAAAC
	TB9Cs4C2	Liang et al. 2005	109	6	1974	13402	CCACATGATGATCCATGTATTCACCATATCGACACTGAGTCGGAAACTCCCCGTGACGCACAAGTGATTGTGCATGGAACCGCCCGCACACGCTGTAGGGCACTGACTA
	TB9Cs4C3	Liang et al. 2005	88	6	396	3059	TACTATGATTACATCCATAATGCGTCAGGACACACGAGTGTGTACGTGACTGTTGGATTCTAACGCGACGCCGTAAGCAATATGATCA
	TB9Cs4H3	Liang et al. 2005	56	5	0	0	TAAGTTTATTATTATCATTGTTTCAAGAAAGACAAAACTATCCGTAAACGAGAAAA
TB9Cs5	TB9Cs5C1	Liang et al. 2005	100	1	1896	10662	GCGAGTGATGAGAACATGGAACTATTGCACGTTTATATGATAAGGCAACTTGATGACTTACACACGCTTCACTAAATATCGTACGAGCGATTACTGATCA
	TB9Cs5H1	DS	70	1	310	1236	AGCCGGCGTAAGAGTCATTCCCCGTGGTCTTATCGTGTACCAGGGTAATGTAGTAACTACGGCAAGATATA
	TB9Cs5C2	Liang et al. 2005	90	1	147	897	GCATGATGACGAAACAATTTTGCACGTCAGTTTGAATTAGCAAATGTGAAGATGAAATTGACACAGCTATTTTATGGGCTGTCCTGATCT
TB9Cs6	TB9Cs6H1	Myslyuk et al. 2008	150	1	0	0	CCCTCCGTTGTTTGTGCTTTTTGATATACTTGCTAATGCTTTGAAGTGTGTGAGGGGAAGGGGAGGAGGGAGAGAAAA
	TB9Cs6H2	Myslyuk et al. 2008	68	1	0	0	TGTTTCTTTTTATTATTATTATTTGCTTACGTTCATAAAAAGTAGAGGAATGGAATGGAAAGAGATGG
TB9Cs7	TB9Cs7H1	Doniger et al. 2010	70	1	5	0	CGTCTTGGCCACCAACTCATTAAGGAGCCATTGGGTCATGAGCAAACTACTTTCGCCCGCGGCCAGCGTACGATGGCAAATACGCTTAAGGGCTTTTAC

TB10Cs1	TB10Cs1C1	Liang et al. 2005	96	3	2185	22205	GTGTATGATGAGAAACCTATTTTTATGTAACTCGGGAGAACTGAGCATATTACCTGATGAGTAAACAATCAATCGTTAGATAGTAGCACTGATGT
	TB10Cs1H1	Liang et al. 2005	73	3	80	1137	TCATCCCCTTTAATAGCGAGTGGTCTTTGTGTGCATCTCCGCAAACCACTCGTCTACACCGGGGGAAAGATAA
	TB10Cs1C2 (MRP)	Liang et al. 2005	520	2	950	7659	TAGTGTTGTGTGTCTGTGTCCGTCGTACTAGTAAAGGATGATGAGGATGCGGCCACCCCACGCGACGTGATGCGGTGTGTTGTTGACACTGCAGGCGTGTAGTTTCCCCTCCGCTGCCGTTGCAAAAGCAAACCCATTTTGGGCAACATACGCAGCCGCGCGCCACAAGACGCCTCCACCGCTCGACGGGGTGCCGCCATGACGCGGGTCCCGAGCCAAAGTCCCTCGCCCGAATTTCCGAAGGCAGTGAGTGCCTCGCGTGGGGAGACCTGCGCGCAGTAAAACCTCGTGCCGCTGGCGGTGCGGGGGCCACCGGCTGTGGTGGTTGATCCCCTCTGGTGGATCCCACAGCAGCAACTACGCGGGCCGTACTTTCGTCGGTGCGAGACTCCCCACCCGGTGGTATGAATGGCGGGCACCACTGAGTACACGTATAGCCATGAGCGGCATGTGCAGAAGAGGGCTTACAAAGGAGGCAGCGCGAGCGAGCGAATGGGTAACACTGGCGCGCTGCAGAGAAA
	TB10Cs1C3	Liang et al. 2005	98	2	1208	5853	TCACGTGATGAGCATTCAATTCACATCGCGACACACCGATGATTCGAATGAGTGAGCTTCGAATGGGATAAATTTAATCGAGAAAGAACAGCTGAGAT
	TB10Cs1H2	Liang et al. 2005	67	2	414	1996	CGAGCACTCATTTCAAGCTGCGCGAGCATAAGCGTGTTGCTCCGTGGTCGGGTGACGTGCGAGACAC
	TB10Cs1C4	Liang et al. 2005	78	4	2524	22727	GAGAATGATGAGATTGCCATCATACTATTGGAAGACGAGTCTGAACCCTGATGCATTTTATCATGCGGCACTGACGA
	TB10Cs1H3	Liang et al. 2005	69	3	79	1173	GCAGGAACGTGGCAGGCTACCGAGGTCACACTCGTGCTTCGCGTGGTTCAACAACATGGTCCCAGATTG
TB10Cs1'	TB10Cs1'H1	DS	68	1	55	458	GAAATCTCGCAGTGTTTACTTGCGTTAGGAGCTACAAATTAAATGGAACGCCCATTTGTAAGACATCTAACGCCCAGAAA
TB10Cs2	TB10Cs2H1	Liang et al. 2005	68	2	542	2356	TACGGCGTTGTCGGTTGGGCCAGTGGCAAATTTTATCCCTGCAGCCCTATCTCGCAACTCCTAGAACC
	TB10Cs2C1	Liang et al. 2005	96	3	1572	14612	TAACATGACGAGTGAGGAGCGCTATATCTTCTTCACCAAGTGCAGAATTAACCGTCTGAGTACTTTATCACTTTGAAGTGAAGCGCAACCTGATTT
	TB10Cs2H2	Liang et al. 2005	66	3	215	2007	TCAGGGAGTTCTGTACGCCGCTGAGTGGTATTGCTCGCTTAGTGGAGCGATTTACTCCCCAGATTT

TB10Cs2	TB10Cs2C2	Liang et al. 2005	70	3	1285	11671	CGCTGATGAAGTTGATATGGTCCGTGTTTCAGATCGCTGAATTGACGCACAATAGCATATCTTCTGAGTT
TB10Cs2'	TB10Cs2'C1	Barth et al. 2008	88	1	13	15	GCACGTGATGAGAGTATGTTCTTTCTATATACTGATTTGTCCATTGAAGTACACAGATACATATTCATAGACTGTCGTTTCCCTGACC
TB10Cs2"	TB10Cs2"C1	Doniger et al. 2010	74	2	2703	8084	TGATGACATCACTAAGCGTTTCTGACGGAATTCGTATGCTGAACACATAACAAACGCAAATCACTCCACACTGA
	TB10Cs2"C2	Doniger et al. 2010	77	2	454	2182	TGAGGCAAACGATGAAAAAATAAATGGATCGCTGACTCTGAACACATTATCTGATTGACAGGACATTTCTTTGACTATACCTCTGA
	TB10Cs2"C3	Doniger et al. 2010	95	2	809	6792	TGATTACAAAGCAATTTTATCCTCACCCTGACGTGAGTGGTTCTGTGACGAGAAACCGATTGACAATAATACCAAGATCTGCTATGA
	TB10Cs2"C4	Doniger et al. 2010	63	2	125	594	AGACGCTGTATTAATCCCGCCCCGTATGGCAAACTCATGCCCGGGGCGATTCATGCACAGCGGAGATGC
TB10Cs3	TB10Cs3C1	Liang et al. 2005	111	4	1416	9097	CGCGTGATGAGGTGCAGAAGGCATGTCGCCGCTACGGCGGTGGCTCGCGTAGCCGTCTGGCTGTGCGCGTACTGTGAGCTACTGTACTCCATGGGTGAACAATCTCTGATG
	TB10Cs3H1	Liang et al. 2005	64	4	704	4818	AGCAGTGTCGCTATGCGTTCCCGTCAGTAATACGGGCTAACGGTACGAAGCACGTGCGAGAGGT
	TB10Cs3C2	Liang et al. 2005	101	4	525	4818	GCCTGTGAACACAGCAGGTACACATGATGCACACAATTCAATACTCACTCTGAACATCACTTGTCAGGAGGAATGTGATAACATGCACCACCAGCTGATCA
	TB10Cs3C3	Liang et al. 2005	105	5	561	4821	GCGCATGATGTGCTCAACTGGAATTACCATCTGAACGCGGGATACCGCAAGTCGATGAATTAATGCTACGTGCATTACCTCCGCTGTTACTCGTATCACTGACAC
	TB10Cs3C4	Liang et al. 2005	82	4	902	5071	CGCGTGATGACATACAAAGTTGTTTGCACATTATCCGACACACCGTGAGCGAGTTACAATATTACAAGAACACCATCTGAAT
	TB10Cs3C5	Liang et al. 2005	99	4	687	5984	CGGTGATTAGCAGTGCGTCTTCCACCTAACGACCCTTGATGATTATGATACGATGCCTGGTCAACAGAACTATACTACACCAAATTTAGTAAATGAGAC
	TB10Cs3H2	Liang et al. 2005	66	4	567	1538	GCAGCCGCCCCGGGCAGGATGGCGCCCGTGTCCTTGGCGTGACGTCTAATCGGTGCGGCGAGATGT
TB10Cs4	TB10Cs4C1	Liang et al. 2005	78	1	0	0	GTACTTGAAGATGGGGATGATATGAATATGTTCATACGTAAATGAGCGTTTTCTGCCTGCAATGAAGTAGACTGATGC

	TB10Cs4H1	Liang et al. 2005	77	1	0	0	TTATTTCTTTTCATATGTACAAACCTAAGGCAGTACCAAAATACGCTTATCACTCATCACCCAAGAAAAATAGACAG
	TB10Cs4H2	Liang et al. 2005	68	3	376	3209	TTACCGTCTCTGTCTAACGCCTCACATGTGCAGAAATCGTTGTGGGGCGATTCAGGAGGCGGAGATAT
	TB10Cs4C2	Liang et al. 2005	87	3	1941	680	CTGCGTGATGTGACTGCAGTTGTAGTGCGCACTGACGACCCATCATGAGCGAGAAACCAACTTTGCGTTTACCAATCTATCTGATTC
	TB10Cs4C3	Liang et al. 2005	80	4	1406	6658	TGCGACGATGAGAAACTGTCTAACGACAGGCGGACCGACACATCCAATGAGGACTCTTGAATGTGTACAAATGTTGAGCA
	TB10Cs4H3	Liang et al. 2005	69	4	229	510	CGACGCCCATACAACCGCCCCACACCGTGCTTTGCATGCATTGTGGGGTGATACATGTGGCGGAGATGT
	TB10Cs4C4	Liang et al. 2005	96	4	6308	3440 1	GTGTATGAGGACAGAAGTTGTAGTGCGCGACTGAGTGACAACTTAGTGCTGATTGATACCAACGCTTTCAGCGAGAGTGCTGTACTTGACTGACAC
	TB10Cs4H4	Liang et al. 2005	67	4	300	3264	TGAGGAGGCCCGTAGCCACGGCATGCCTTTTTGGTGGTGCGTTGTGGGTGGTGGCTTTCCAAGAGGC
	TB10Cs4C5	Liang et al. 2005	86	2	0	0	TGTAGAAGTGAGGCTTATGTTGTGCTTTTTGAAAAATATCACTACACTTACCGGAGTGCACTTGTCAGTATCGTTAAAGCTGAGCC
TB10Cs4'TB10Cs5	TB10Cs4'H1	Doniger et al. 2009	99	1	194	392	ACCCAAACGTCTGCTACGCGGTGTGCTTCGTACGCATGTTGAATTCATGTTGGGATAGGAGTGGCACCACCAAAGCGGCGTGAGATGACAT
	TB10Cs5H1	Myslyuk et al. 2008	86	1	0	0	CTTTTTCTTTTATCTCGTTTTGTAGATCTCTACCACATGTGCGTATGCCAAAGGTGTAATTAAAGCAGGTAGGAGGAACGAGAGGA
	TB10Cs5H2	Myslyuk et al. 2008	70	1	0	148	GGAGCAGACTACGTCTGTAATATGCGGAACCAACCTTCTCTGCACTTTACTGTAAATGTCTGCGAGATCA
	TB10Cs5C1	Myslyuk et al. 2008	89	1	1039	8655	ACTTATGATGACAATATTATTTCTTACTTTCTGATCCGTGATTTGATTGACACAAGCACTGTCTGTGCGAACGTATCGAGAACCTGATT
	TB10Cs5H3	Myslyuk et al. 2008	71	1	157	1732	GAACGGTAACTCTCTGGAAACTCATCCCCTCTTTTCTGTAGATGTGTTTCCTCATCGGTTCCCGGAGAAAC
TB10Cs6	TB10Cs6C1	Doniger et al. 2010	70	1	0	0	GCCTCATCCATTGTCATAAACTCAGTTTGGAAAAGCGAATTAAGTAGCGTTGACTTACCGCTGCTCTGCCCGCCAAACACACCAACCACATGATAA

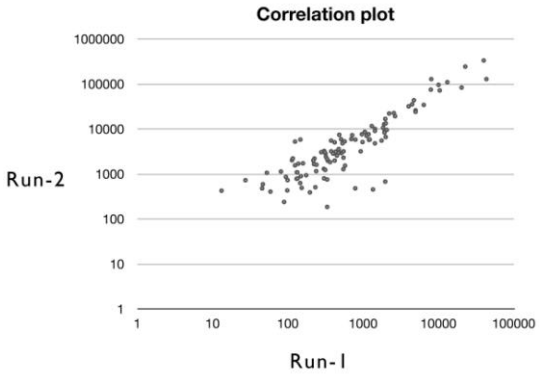
TB10Cs7	TB10Cs7C1	DS	82	1	418	3642	GCUAUGAUGCCCUGUCAAUAAAUGCGUUCUGUUUGAACUGACGUUUAAAGUAGGAUGUCACUGAGACACAAGAAACUGA
TB11Cs1	TB11Cs1C1	Liang et al. 2005	76	1	0	0	CCGATTAATAATGTATGTGACGCACGGTGTCTAAAATAGGGGTTACCTGCGTGCTCTGCAGTTGGGTTCCTGAACA
	TB11Cs1C2	Liang et al. 2005	86	2	98	732	CTTATGATGAGAAGACACGTTTACCTGACACCTCTTCTGATTTAACATTGACGAGTAAAAACTGCTAACAGTTATCCCTGTCTGAC
	TB11Cs1C3	Liang et al. 2005	78	2	541	2315	GTGCGTGATGTTCAACAACCGCAATCACTCCCATACCTCTGATAGTATTGTTTGATTGACACCATTGCGTACTGATGC
TB11Cs1'	TB11Cs1'H1	DS	73	1	54	516	TGAGTGGTTAAAAAAAGGAACATGACTGGGGTTCTGCTCTCTCCTTTCATGATGGAAAGGCCACGAGAATTC
TB11Cs2	TB11Cs2C1	Liang et al. 2005	76	2	7934	58360	TGAATGATGACTGACAAAACATCACAGACTTTGATGACCCCATGAACAAGAAAAATTGTCGCCCCAGACTGATT
	TB11Cs2C2	Liang et al. 2005	92	2	38172	244271	GAAGTGATTGACACCTAGGCCGATGTAAAGCCGTCGCAGATGGACGTCGATATCTTGTGAAAACAGTACTATTTTATGCCCTGACTGATC
	TB11Cs2H1 (SLA1)	Liang et al. 2005	75	2	22438	128851	AAAGCTCTTTTATGTAGTGTGCGTACCACGAAAGTAGCAGGTACTGCACACGAAACTGGAGAGCGAGACTC
	TB11Cs2C3 (snR30)	Liang et al. 2005	179/270	2	42843	334518	CGCGACAAGGTCAGCCTGAGGGCACACCTTCAGTGTGTGTACGGCCTCGGGAGGGCGTATATCCGCTCGAGTCGCAGAGCGAGGGAAATGGTGGCGTGAAGCTCTGCCACTGGTGCATCAGTAGCTCGGCATTACTGTGTTCGATGCTCTGCGCTCAGTGGACATGATGCTCCGCCGCCCATATATCCCGTTATGTATATCCTGTGTGCGCTCTAGTTCCGTTGGGACCCTGAAGAGTAAGCACACTAAACCATGCATTATACATGACC
TB11Cs3	TB11Cs3H1	Liang et al. 2005	75	1	46	595	AAAGCCCTCATGAACAATCCCACCGGTGAGTGTACTCATTTAATCTCGTGCGTGGACCTAGGAGCGCCAAGATTT

	TB11Cs3C1	Liang et al. 2005	92	1	129	786	GGACGTGATGAAGAAAAATTATTTACTTCTGTTTG GAGAGGGTTCAGGAACACTCTCCATGACGTTACCA TAATTAATCCATTCTCTGATCA
	TB11Cs3C2	Liang et al. 2005	106	1	3972	31943	TTTTGATGAAAAACCTTTCATGCTGTGTGACGTAC TCCCTTATGAGGGCAGGCACAAGCTGCTTGCGGCC TAGTGTCATGCAATTGATTATAGACGGCATTCTGA A
	TB11Cs3H2	Liang et al. 2005	75	1	0	0	TCGTTGTACCGAATGTGGCGTGAGCGTTGTGCATA CCGGCGTATTCGCAATGCCGCCCTAAACGTACAAA GATTG
TB11Cs4	TB11Cs4C1	Liang et al. 2005	90	5	306	3047	TCTAATGATGACAGTCAATAGTTTCCTGTCAGCCT GACGGCAGTAGAGCCATTTTGAAGACATAATTTTT AACTCAGCTACACTGAATC
	TB11Cs4C2	Liang et al. 2005	97	5	328	2164	GCCACTGATGCTGTGATGCATAATTGTTGTTCGAG GTCCAAACAGTTTGAGCGATGCATTGATAACGGAA CATCAAAAATCACCTTTCGGCTGAGCA
	TB11Cs4H1	Liang et al. 2005	74	5	86	1844	AAATCTTACCCTGTCTAGCTGCCTGTCAGTATACT TTCGGTGACGGTATTGGCTCGAAAGTGTAAGAGAG ATCG
	TB11Cs4C3	Liang et al. 2005	101	6	173	940	CAGTGTGATGGAAACAACGATTATGTGTACGTGAA GGTCAATATGCCTTACTTTATGAGCGCGCTTATTG AATACTAAATCAAACTCAACAGGTCTGACTG
	TB11Cs4H2	Liang et al. 2005	69	6	1098	7053	AGAGGTATGCATTGAGACCCACTGCCTTCATATGT AGGCGAGTGGGAGCATCAGCATCCCGAGATAA
	TB11Cs4H3	Liang et al. 2005	78	5	793	7442	ACAGCGCAGCATCCCTTGGGCCAGTGGCAACCATT TAATGCCGTGGGGATGTGGCCCCTGTCCTGTTGCG CGAGAGCC
TB11Cs4'	TB11Cs4'H1	DS	60	1	443	2576	TGTGTAAACAGGGTGTGCTTGCCGCGTAGCTGCAC CGTGTGATAGAGGTAGCGGAGATGA
	TB11Cs4'C1	DS	70	1	123	1561	CGTGTGATGATATTAGTGATCTTTTGAAGTTAGCC CTTCAATCCGAGAGTTTCGTGATGGAATAACCGTT
TB11Cs5	TB11Cs5C1	Myslyuk et al. 2008	88	1	0	0	TGTTGAGTGTGTGCGTGCGTGGGTGATGTCTTTTG TGGAACTCCAACCTGTACCTGCCGGGTCGCGGAAC GAGATGCCGCGGAGCTGA
	TB11Cs5H1	Myslyuk et al. 2008	73	2	237	1612	CTCAACACCCACCAACCAGCCCCTTTCTGTGCGGT AGCTTGCACAATGGTGGCCAAAGTGTGGTGTGAGA TTT
	TB11Cs5H2	Myslyuk et al. 2008	72	2	329	757	CAAGCAGCATCAGTACAGCGGTGGTATCGCTAAGG CACCATGATACTTTCCGCTGGCGATGTGGCGAGAT AC

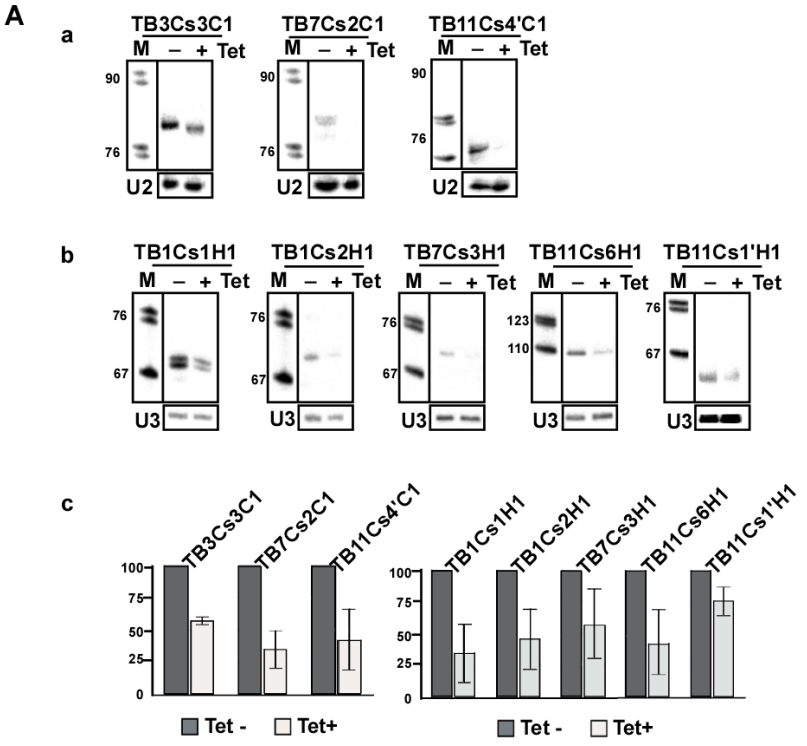
	TB11Cs5C2	Myslyuk et al. 2008	80	1	0	0	TGCTGTTTTCGTCTTCCTTGCGTTTTTTCCCCTCTATTTCGTGTTCCTTTCGCCTACAAAGTTCCCGGCGGTGACCCTGA
	TB11Cs5H3	Myslyuk et al. 2008	71	1	44	186	TAAGGTCAGTTCGAAGGCCCAGTACTTGTACCATTGTAAGTGCAATGTGGTTCAAAAGCTGACCAAGATTT
TB11Cs6	TB11Cs6H1	DS	65	1	1335	5266	TTTGTCTACGTGTGACTTCACAGGCAGTTAGTTGCCGCTGTGCCTGAGTCATGTGAGAGAGATAT
TB11Cs7	TB11Cs7C1	DS	75	1	74	455	ACCGGTGATGACTAAAGCGGGAATATTTCGCATGTGTGTACGAATACACATCGCCGCTGCACCTGAACAAAAGAG

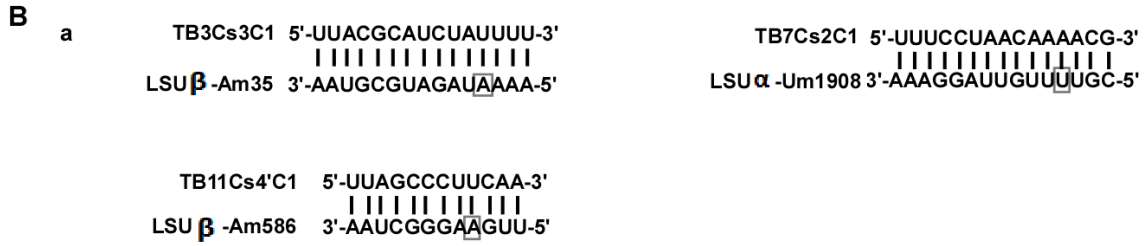
S-4. Summary of *T. brucei* snoRNAs identified to date. Each snoRNA is listed with its name, reference to the paper in which it was initially reported, genomic location (chromosome, start, end, and strand), the maximum number of reads to the gene, and its sequence. Novel snoRNAs, identified in this paper, are highlighted in yellow and designated DS.

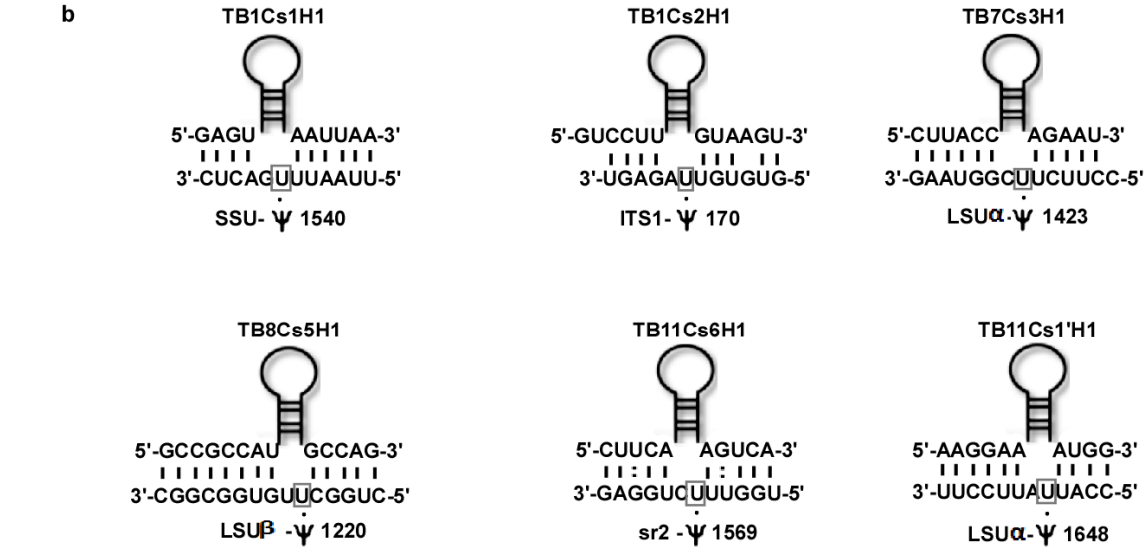
S-5



S-5. Correlation plot between replicate experiments. The correlation observed for the number of reads of snoRNAs in the two experiments.


A
a
TB3Cs3C1
TB7Cs2C1
TB11Cs4'C1
M – + Tet
90
76
U2
b
TB1Cs1H1
TB1Cs2H1
TB7Cs3H1
TB11Cs6H1
TB11Cs1'H1
M – + Tet
76
67
123
110
U3
c
TB3Cs3C1
TB7Cs2C1
TB11Cs4'C1
TB1Cs1H1
TB1Cs2H1
TB7Cs3H1
TB11Cs6H1
TB11Cs1'H1
100
75
50
25
0
Tet -
Tet+


B
a
TB3Cs3C1 5'-UUACGCAUCUAUUUU-3'
LSUβ-Am35 3'-AAUGCGUAGAUAAAA-5'
TB7Cs2C1 5'-UUUCCUAACAAAACG-3'
LSUα-Um1908 3'-AAAGGAUUGUUUUGC-5'
TB11Cs4'C1 5'-UUAGCCCUUCAA-3'
LSUβ-Am586 3'-AAUCGGGAAGUU-5'

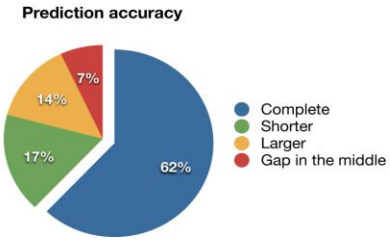

b
TB1Cs1H1
5'-GAGU AAUUAA-3'
3'-CUCAGUUUAAUU-5'
SSU-Ψ1540
TB1Cs2H1
5'-GUCCUU GUAAGU-3'
3'-UGAGAUUGUGUG-5'
ITS1-Ψ170
TB7Cs3H1
5'-CUUACC AGAAU-3'
3'-GAAUGGCUUCUUCC-5'
LSUα-Ψ1423
TB8Cs5H1
5'-GCCGCCAU GCCAG-3'
3'-CGGCGGUGUUCGGUC-5'
LSUβ-Ψ1220
TB11Cs6H1
5'-CUUCA AGUCA-3'
3'-GAGGUCUUUGGU-5'
sr2-Ψ1569
TB11Cs1'H1
5'-AAGGAA AUGG-3'
3'-UUCCUUAUUACC-5'
LSUα-Ψ1648

S-6.A -The level of snoRNA in cells silenced for NOP58 or CBF5. A-a - Level of C/D snoRNAs following NOP58 silencing. Total RNA (20 μg) was prepared from cells carrying the NOP58 silencing construct without induction (-Tet) or after 3 days of induction (+Tet). The level of the snoRNA was determined by primer extension. Primer extension with U2 snRNA was used to control for the amount of RNA in each sample. **b -** As in a, but analysis was performed on RNA isolated before and after 3 days of induction of CBF5 silenced cells. **c -** Quantitation of the data based on three independent silencing experiments. **B-a -** The potential base-pair interaction between rRNA and the C/D snoRNA. The position of the modified Nm is marked with a box. **b -** The potential for guiding pseudouridylation on rRNA is presented, and the pseudouridine position is indicated.

S-7

A

	Accuracy	Complete	Shorter				Gap in the middle	Larger				Total detected	Not detected by RNA-Seq	Total
			Shorter at 5'	Shorter at 3'	Both	Total		Larger at 5'	Larger at 3'	both	Total			
C/D	54%	29	3	5	3	11	3	3	7	1	11	54	10	64
H/ACA	74%	29	0	5	0	5	3	2	0	0	2	39	7	46
Total		58	3	10	3	16	6	5	7	1	13	93	19	110
Percentage		62%	3%	11%	3%	17%	7%	5%	8%	1%	14%	100%		



B

TB6Cs1C2
5′-TGAAACTGAATTGCGGCGCCAATGATGTTGTTATTTAATTATACACCTGATCATGTTGTTGATGAG
AGGAAACGCTGAGGTGTACGCGTCGACGT-3′

TB8Cs1C4/TB8Cs1C1
5′- TCCCTTGATGATTGTGGCAACTCTCCACGGAACTTATCTGACAAAATTTGCCTACGAACCTATTA
CCAAGGCTGAGGTCTCTACAGTACCCTTGCTTTAAGCTCTGTGTGTGATGTATATACGACTATGAACAA
CTCGTCAGAGTGCTATCTTTGATGATCACATACATTTTGCTTCCTCACTGACAACATACCTGCATTTGC
AATCACTCCTGTAA-3′

TB8Cs2C0
5′- GCGCGTGATGAATAAATACAAACGACCAATAATCGGAAGCGTCAGTAACACCTCACGCATGACGC
CACTTTGAATGCAATACTAATTATCTGACTC-3′

TB8Cs2H1
5′- CACCTCCGCTTCGCTCGTGGCATTCTTCCAGTGAGCGCACTTACGATGGATGGTGGAGGA
AGA -3′

TB8Cs2C1
5′-TACCTCGATGATGTGTATGAGAACAAGCATATGTCCGAGCTGACCACAATTGTGGCACAATGAGA
GCATTACTCGAGTCCTTGAAAGCTGAGTG-3′

TB8Cs3C2
5′-AGTGACGGTGTGATTACAGACAGGACGTAAGTGAGTCAATGTCAATATCTCCGTATTACA-3′

TB9Cs1H3
5′-TTAGTTCCCAACGGGCATGACTGCTTCCACTTGGGTTCCTGAGGCGTGTGAGAGTGT-3′

TB9Cs1C1
5′- CTTCGTGATGATCCCGCGAACTGAGTGTACCTTTTTTCAGCACTTTCGTGCAATGGAATGTAATG
GCACGGTGCCCTCTTGTTGGGGTGTACTGATAGCAGATTTAACGGGAAACGTGCTGAT-3′

TB9Cs2C7
5′-CTACTTGATGACATCAATGGACTGGAGTCTCTGAGTGTATTTGAATGACAATAACCCATTTAAAGA
ATATTCTTCTTTCCCCGGCTGATGGTGTTTGGTTTCGTC-3′

Larger in deep sequencing
Shorter in deep sequencing

TB9Cs2C1
5'- GCCCATGACGATAAACCACTTACGACGGTCTTATGACACACACCCGAACATGGATTGAGCACGAGT
GTTACGATAGTTTCTGGGGCGCCGCACAACATTCCAGCCGCGTGCGTCCTGCGTCCGAGGCGTACG-3'

TB9Cs2C5/TB9Cs2C6
5'- GCCACTGATGAAAGAGCTTCCGATACCGCGTAGGCGGAACGGAAACACACTATGTCGATGCAACTG
TGAACTCTATCTTTCGCTCCGAGCTGACGTGTGGGGTTAGCAGTTCGGCGAGTAGGTGCGTGTGATGAAT
ACCTAATATAACAAATTAACAGCAACATCTGAACAGAACCCGTGACGCTAATATTGTTTCTGACGC-3'

TB9Cs3H2
5'-TCGAGTGCCCTCAGGTATTGTGGTGTTTGTTGCTTATCGCCATCACAGGTTCAAGAGGCACAAGAA
GTGGATATCACT-3'

TB9Cs4C1
5'- GGATCGTGATGATATTAACCCTGCTCCGCTACTGAGTGTTGAAGCATGAAACGATATCCTTCAGGG
CTACTGATGCCTGCGTGGGCAGTGTATGGGGTGT-3'

TB10Cs1C4
5'-AGAATGATGAGATTGCCATCATACTATTGGAAGACGAGTCTGAACCCTGATGCATTTTATCATGCG
GCACTGACGATCTTACATTGCGGTT-3'

TB10Cs2C2
5'-GATCGCTGATGAAGTTGATATGGTCCGTGTTTCAGATCGCTGAATTGACGCACAATAGCATATCTT
CTGAGTTCTGCACTGCCCCCCTGTACTATCGCTGTT-3'

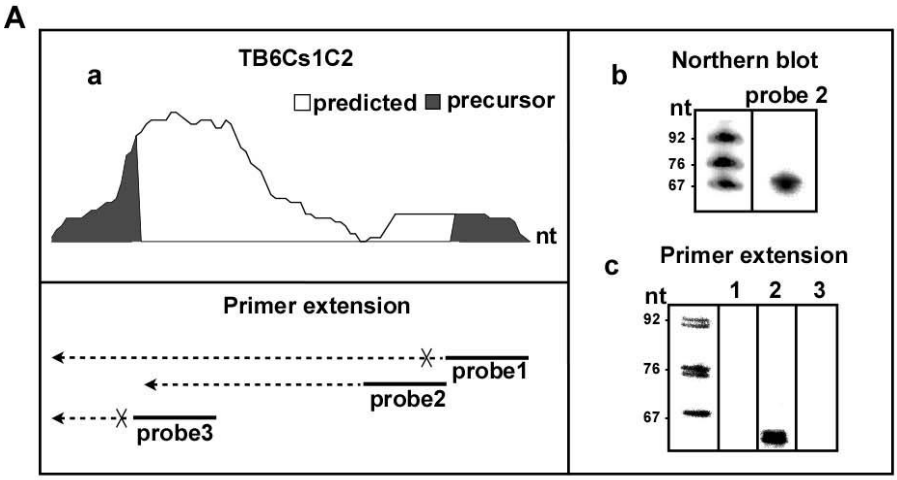
TB10Cs3C1/TB10Cs3H1
5'-TCGCGTGATGAGGTGCAGAAGGCATGTCGCCGCTACGGCGGTGGCTCGCGTAGCCGTCTGGCTGTG
CGCGTACTGTGAGCTACTGTACTCCATGGGTGAACAATCTCTGATGACGTGTCACAGCGGGAGCAGTGTC
GCTATGCGTTCCCGTCAGTAATACGGGCTAACGGTACGAAGCACGTGCGAGAGGT-3'

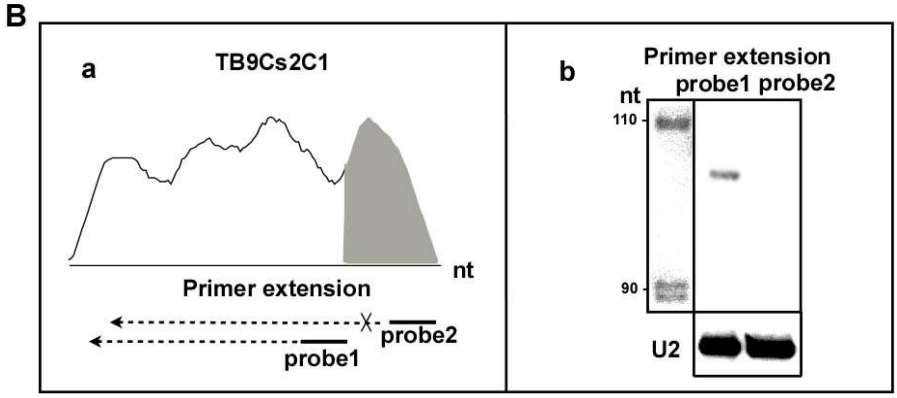
TB11Cs2C2
5'-CGTGAAGTGATTGACACCTAGGCCGATGTAAAGCCGTCGCAGATGGACGTCGATATCTTGTGAAAA
CAGTACTATTTTATGCCCTGACTGATCGCCGTGGCCGC-3'

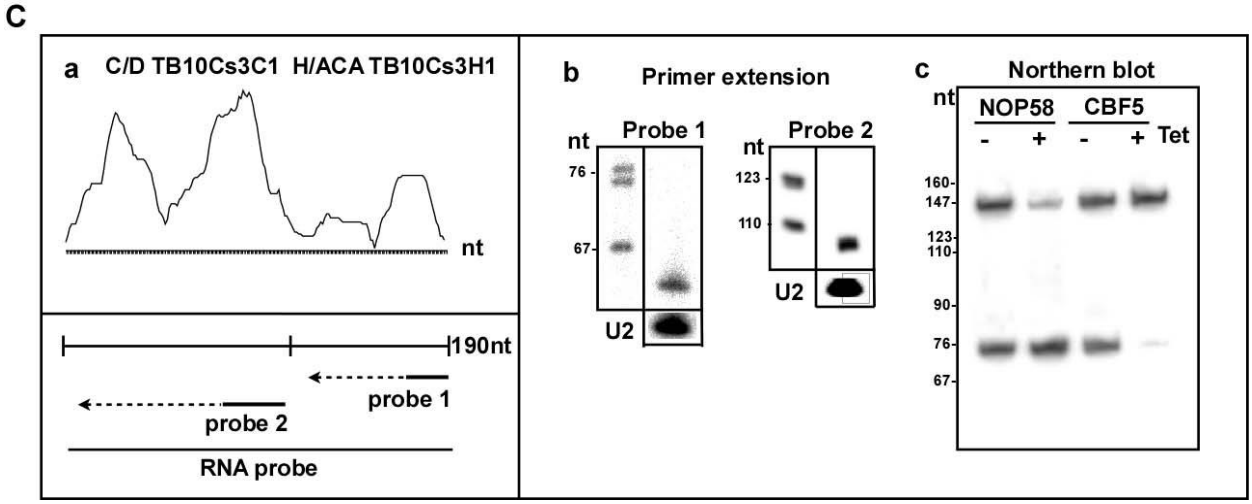
TB11Cs3C2
5'-TTTAACGTGATGAAAAACCTTTCATGCTGTGTGACGTACTCCCTTATGAGGGCAGGCACAAGCTGC
TTGCGGCCTAGTGTCATGCAATTGATTATAGACGGCATTCTGAAA-3'

Larger in deep sequencing
Shorter in deep sequencing

S-7. (A) Reads coverage of the snoRNAs versus the predicted consensus. The pie chart illustrates the difference in coverage of the reads per snoRNA as compared to its consensus span. **(B) List of the sequences which differed from the consensus.** Each snoRNA is presented with its sequence illustrating the deviations from the consensus, areas where reads did not fully cover the snoRNA (orange) or where reads exceeded the boundaries of the predicted snoRNA sequence (green).


A
a
TB6Cs1C2
predicted
precursor
nt
Primer extension
probe1
probe2
probe3
b
Northern blot
probe 2
nt
92
76
67
c
Primer extension
nt
1
2
3
92
76
67


B
a
TB9Cs2C1
nt
Primer extension
probe2
probe1
b
Primer extension
probe1 probe2
nt
110
90
U2


C
a
C/D TB10Cs3C1 H/ACA TB10Cs3H1
nt
190nt
probe 1
probe 2
RNA probe
b
Primer extension
Probe 1
nt
76
67
U2
Probe 2
nt
123
110
U2
c
Northern blot
nt
NOP58
CBF5
-
+
-
+
Tet
160
147
123
110
90
76
67

S-8. Correlation between the RNA-seq reads and the transcripts in steady state. A -a - Schematic representation of the RNA-seq reads for TB6Cs1C2. The area representing the expected full length RNA is depicted in white and the area beyond the expected boundaries in gray (upper part). The position of the primer is indicated (lower part). **b -** RNA (20μg) was separated on a 10% denaturing gel and subjected to Northern analysis with probe 2. **c -** RNA (10μg) was subjected to primer extension with various probes, as indicated. pBR322 DNA-*Msp*I digest was used as a MW marker. **B-a -** Schematic representation of the RNA-seq reads for TB9Cs2C1. **b -** Primer extension with the two probes. Primer extension with U2 snRNA was used to control for the RNA level. **C-a -** Schematic representation of RNA-seq reads for TB10Cs3C1 and TB10Cs3H1. **b -** Primer extension with probe 1 and probe 2. **c -** Northern analysis to verify the identity of the RNAs. RNA was prepared from uninduced CBF5 or NOP58, and after 3 days of induction, the RNA was subjected to Northern analysis with a probe covering the two RNA molecules.

S-9

Name	Max # of reads	Chr	Start	End	Strand	Sequence
TBsRNA-1	183	1	82872	82920	-1	ATTTGGAAGAAGGCGTTGATTTATTGCATGACCA AAGGCTAAAAAGAGC
		11_02	270176	270224	1	
		4	31946	31994	-1	
		5	33916	33964	-1	
		9	2450733	2450781	-1	
TBsRNA-2	361	1	593321	593430	1	ATGATGCCTTGTGATTTGTTTTGCCTTTTGCTAC TATTCATCGGAGGCCGTGCGTGGCGTGCGCGGAT TGTTGTGCAGGTGTACCTGCCGGCGTGTCCCCGC TGCGCGGT
			594904	595013	1	
			598082	598191	1	
			599668	599777	1	
			601252	601361	1	
TBsRNA-3	1033	1	793143	793203	1	TGCCGAATGGCTGTGGGTATGACACTTCCTCAGT TAAGGGAAGGAGCGAGTGTGTGTAATA
TBsRNA-4	641	5	1271611	1271691	-1	ATAATGCACAAGACGTGTGTTCGTTGAGACGGCG TTATTGCCGCTCCGCACTTAGATAGCAGATGGCC AGGAGGTTGATACACCGTAATGGTAACATCCCTC CTCTGCCTCACCAAAG
			1273083	1273163	-1	
			1273819	1273899	-1	
			1275291	1275371	-1	
			1276027	1276107	-1	
			1276763	1276843	-1	
			1277499	1277579	-1	
TBsRNA-5	429	6	211576	211644	1	CTTGGAACCGTCGGCGGTAGCACGCAGCCCTGTA GACTTCTGCGTGTGCCTGTCAATGTGTTCCTTGG C
			218983	219051	1	
			227688	227756	1	
TBsRNA-6	249	5	1270801	1270831	-1	CTTCTGTGCCATACACTCCTCACTAGATCATCTG GAGATGCGATTGCGGTGCCATTTTC
			1271500	1271567		
			1272236	1272303		
			1272972	1273039		
			1273708	1273775		
			1274444	1274511		
			1275180	1275247		
			1275916	1275983		
			1276652	1276719		
			1277388	1277455		
TBsRNA-7	283	9	848025	848125	1	AAAAACAGAGAAACCCGGTGGAGGTTCTACAGCA TCGGCAGTGAAAACAATATGCCACCGAAGAGCAA CGAAGATTACGTGCCACCAAAGGACAAGGCTGA
TBsRNA-8	913	9	848388	848473	1	TTATGGTCGAGCGAAGGAAAGTTTAAACGAAAAC GATCCAGTGCAAAGGGTAAAGAAAAGCAGGAATG CGAAGGAATGGAAGAAAT
TBsRNA-9	1091	1	689610	689661	1	AGGGACGGTAGAAGCAGCAGCTGTATACCAATCG GAGTGGCGTGGTTGCACA
TBsRNA-10	275,218	11	2599303	2599454	1	CGGGCGCAAGGATTTCGGATACTTCTGCATAGCA AACAGCAAAGGGGCGTAGCTGTCGCCGAGGGAGG GCACCGACGCCTTCCCCCCACCCCGTGGCCCTCG GCCGCACTGGACGCAAGTCCACCCCCTGTCCGAA GCCGCAATCGCCCTT
TBsRNA-11	779	1	593360	593432	1	ATCGGAGGCCGTGCGTGGCGTGCGCGGATTGTTG TGCAGGTGTACCTGCCGGCGTGTCCCCGCTGCGC GGTTG
		1	594943	595015	1	
		1	596535	596607	1	
		1	598121	598193	1	
		1	599707	599779	1	

		1	601291	601363	1	
		1	602875	602947	1	
TBsRNA-12	685	1	593736	593834	1	TGATAGAGGACAGCATCTGTGAATGTGTGGTTAC TCTTCTCCCCTTTATCCCTAGCCTCTTCCACTTT CCAACTTCCCTCCTCTGCCTCCTCTCACCCT
		1	595319	595417	1	
		1	596911	597009	1	
		1	598497	598595	1	
		1	600083	600181	1	
		1	601667	601765	1	
TBsRNA-13	1980	6	669222	669289	-1	CTCCAGTATCTCTGATATGTTCGTGAAAAGAGAA AAGCTATTTAAACGTTGCGTTCTTCAGCTGATTC
TBsRNA-14	676	7	750112	750254	1	GTTCGTCGTGCTCGGAAGGAGGAATAACGATTAT CATCCAACAGTGAATATGAGCGGTTGGTGGCGCC TCAGGTGACACGGTTTGTTCGCAAGATTCGTGCC GCCGCGTTATTTGTTTCCGATTGAGCGCATATGC CGCAGTT
			762781	762923	1	
TBsRNA-15	3924	8	1762421	1762718	1	AACACACAATGGGGACCATCAGCCGCCCTGGAGG GATGCGGCCTAAGTGGCACAAGAAGCGCATAAAG CGCTTAAAGCGCCGACGACGACGCATGCGCCAGC GCTCCAAGTAAGCGCCCTGATGCATCGGTGAACA TTCCTCGTGGTGCCGTTCAGTGCTCCTTTTTTGC GAGTTTCGCACGCCGAACTCCCGATCAACGAAAC GCATGCACATGTGCGTGCAACCTATTTATGGGTA CGGAAACAAAGCATTTGATGTCTTCCCCCCTTTT TTCGTCGTCTAGTTACCTTTCCATT
TBsRNA-16	3924	8	1762969	1763111	1	AACACACAATGGGGACCATCAGCCGCCCTGGAGG GATGCGGCCCAAGTGGCACAAGAAGCGCATAAAG CGCTTAAAGCGACGACGACGACGCATGCGCCAGC GCTCCAAGTAAGTGGACAGTCGAACCGCTGAACG ATCCCGC
TBsRNA-17	283	8	1763124	1763185	1	CAGTGTCGCTCACTTGTCTTGTCGCGCATGGATT CGTGGCAGGGGAACAACCCAAGTGTGTA
TBsRNA-18	1176	8	1763478	1763627	1	AGGATGGGGACCATCAGCCGCCCTGGAGGGATGC GGCCCAAGTGGCACAAGAAGCGCATAAAGCGCTT AAAGCGCCGACGACGACGCATGCGCCAGCGCTCC AAGTAAGCGCCCTGATGCATCGAAAAGAGGTGCA ATAAAGCGCGCTGGCGGCCGCCTCGGCGCCC
TBsRNA-19	1073	8	1763803	1763919	1	CCTTCAGTTTTTTCCCTCTCATTCTTTGCCTCCC TTTTTGCAGGCTCCTGCAATTGGAATGGCTACGA GGTTTTGGAAGAAGGTCAACTGCCAGAGGATGGG GGAAGAAGTCTAAAA
TBsRNA-20	132	9	1922622	1922720	1	CTATATCAACCACGTTCCGGTCATATGACCTCGT GGAATATCACTTCTGTTTCGTGTCCTTGAAGCAT CAGAAGTGGCTGCGGTTTCTGTTTGTAGGGA
			1919045	1919143	1	
			1926198	1926296	1	
			1933356	1933454	1	
			1929776	1929874	1	
TBsRNA-21	925	10	1823778	1823865	-1	AAGCAGTGTTTCTGGGCGTTAGATGTCTTACAAA TGGGCGTTCCATTTAATTTGTAGCTCCTAACGCA AGTAAACACTGCGAGATTTC
TBsRNA-22	513	10	3228472	3228547	-1	GCCTGCAGCGGTAAGCACTTTTTCTTTTAGCTCA CATTCGGGGATAGAGGGTTCTTAGTCTAATTGGG CAAGAACA
TBsRNA-23	858	6	226718	226873	1	TTCCCTGCTTCAGATGGGCCCCGCAGCTGAAGTT GTTTCGCTGCCCTGCCCCCCCACTGCTGCGTTGCT GCTGGAGAAACGATGTTGGAGGTTGACGGGTGTG TGCTTTTGAAGACTTTGTATGAATATGGAAGGAA GCTCGCAGCGGTTACTACAG
		10	2480389	2480544	-1	
TBsRNA-24	537	10	288923	289026	-1	CCTCTCTCCGTATGCGTCAGCCCACACGCGACTC TGTGTTGAGGGGCTGTCGTTGCGGTGCTCGTGAT GAGGATCTGCAGCCAGTTTCTTCTCTTGGGATTG AA
TBsRNA-25	869	11	4134243	4134299	-1	CTAATCCAAGACTTACCCATGTTATGGTTTTTGT TGGTTTGCTGACCGAAGAGAGTG
			4140798	4140854	-1	

TBsRNA-26	6415	11	3893229	3893298	-1	CCATCCGTTGCCGTAAAGTTTCGTTTACTGGTTGTGGTGTGTTGGTGGCAGTCAGAAGAAGTGAGATGTA
TBsRNA-27	798	11	2704498	2704584	1	ACATGATGCTCTGCCGTTGTTATACTCGCTATGCACGAAGTTGGTACTCTAGTCTGTTTGACCTTGATGAGTTGCCTGCTTTGGTAT
TBsRNA-28	148	11	2704117	2704215	1	ACCGCGACAGTTTATTTTGAGTTTTTGCCCTTTATGGTTTATCTCTATGAAAACTGTCGAAGATTAAGGGAAATAATGGCGTGAAGCTCTGCTGCTCGT
TBsRNA-29	536	11	1666815	1666870	-1	AAACGTAGGAAGCAAAACGGGGACGGGAAGACACCGTAAGGATGCTGTCATCTTTT
TBsRNA-30	276	11	2099249	2099338	-1	TTACCTGGAGGCACTCGGCAATGACATTATAATGTTCTGTCATCCACTGGTGATACGAAAATGACCCCGGGAGAGGATGGCGGCACGACA
			2100435	2100524	-1	
TBsRNA-31	1420	11	517081	517168	-1	AAGGCTGCTCCAAAGAAGGCTGTCGCTAAGAAGGCTGCTCCAAAGAAGGCTGTCGCTAAGAAGGCTGCTCCCAAAAAGGCTGTTGCCA
			533986	534043	-1	
			762781	762923	1	

S-9. **List of novel ncRNAs identified in this study.** Each novel small RNA was named sRNA 1-31 and is listed along with its genomic location (chromosome, start, end, and strand), and sequence.

S-10

Sequence	Kolev et al.2010, ID	snoRNA
>lcl|Tb927_03_v4:255259-255636 No definition line found GCCACATAACACCCCATCTATTTAGCTAACAGTAAAGCAAATAAAAAAATTATAGATATTGGAGGCCATGAGTTTCATAT GCTGCAAGGAAATCGAGGCAGTAATGGCATTCCCAGGGAAAGCGAAGAAGGAAAATATTTCTCCCAGCTTGTGGACAGAT CCCAGTCGCTACGATTTCCTGCCATGATGCGGTGTTGGCGCCACCACCGCTACCACAAATGAAACCAC**TGATGA**CTATAA TB3Cs1C1 CGTTTCACTCTTGTCGTAGGAAATGTCTTGACGAAACTTATACTTCGTTTGATT**CTGA**ATTATTTATTACTTCCTTCACA CCCTATCATTCGTCGCCCCTTATTTACTCTTTCCGTTGGAACAATGATGTGAATCTAT >lcl|Tb927_03_v4:651407-651967 No definition line found TTCATGATATTGTTCATGGGACGCCGCAGCGCCTAGGGACGGTGAGGCATCCCCGTGGGCGCTACCAGTGCGATATTTAT AGGGGGAAGGAGGAGGAAAGGAAGGAAGTGCAACGGTTCCCTTATTGGCCGCTCGAATGGCTGAAAGAATGCTCGAGTAT GTTGAAGTTAGTTATCTGTAATCACCTTCATTCCAGGGACTGGTAGTGCGCTTCAGCAGATTATGCACTTATTTCCTCCC ATTTTGCTACTGTACCCTTAGCAATGGAACATTCAGTTGGATTTGTTTCGTGTGTGTGTGACCTAACAAAGTTGGGTGTG GAAAAGCGCGCCGCCATGTTATTGTTCAGTGGAAGACCCTTCATCCTACCGGCGGGCTCACAAGTGATCGGCACCACCGC TACCACAAATGAAGCCAC**TGATGA**CTATAACGTTTCACTCTTGTCGTACGAAATGTCTTGACGAAACTTATACTTCGTTT TB3Cs1C1 GGTT**CTGA**GTTATTTATTCCTTCCTTCGCACCCTATCATTCGTCACCCCTTATTTACTCTTTCTGTTGGAACAATGATGT G	Tb3.NT.16 Tb3.NT.31	TB3Cs1C1
>lcl|Tb927_03_v4:1159436-1160156 No definition line found ACGGAACTCTATTACAACGTTACGCTGCCGATGGCCGTACAACTTGAAGCTGATGCATTTGGCGTACCGTCAGCGTTTCC GTGCTCACCTTTATCCCCCCCCTCTCCACACCCACCCACATGGCATACATTTTACACAACCGTTTGCCCATTAACTTGTA CGCCTTCGCTTTTTTTCTTTGTAACGCTGCGATGTTGACAAATCGCGACAGCGGGAGCACAGTTTTCCCTTCCGAGGCAA AGCGCTAGATCCACCAACTACCCGTGGTATAATGAGGGTCTAAGAGCTGGGGACCGGAACCTTTCCATGTTCTTCCCAGT TB3Cs2'H1 GTCATTGCCCTCAGAGATCG**AGA**CGTGCAACAAACGAAAATTGCGCTAAACATTTTAGTACGCTGCCAGGAGGTGCCATC ACGAGGGAGCTCCCGAACACTTAAAGACTGCCGTGTCGGGGGAGGAAATGCAAAGCATCGCATAAATGAATCCAAATAAC AATGCTGGTAATCGTGCTTCGCAGCAGAGATGTTTGAGGGGCTTTGCTGCCACGAAGTGTGGCCACAATAGCAAATACTG TB3Cs2'H2 CGCCATAGGTACTCTGCA**AGA**AATGAAGACACTCCCCTCCCCCCAAGAATATTAAACAGTTTTAAGATGAGCATTTTTTT CTTTTTTTAAAAAAAAGCAGAAGCGACAATAATTAACAGCAAACTGTGTCGGCATAGCCCATTAGCAATCAACTACTCTT C	Tb3.NT.52	TB3Cs2'H1 TB3Cs2'H2
>lcl|Tb927_07_v4:1059609-1060315 No definition line found TGGTGAGGTGGAGTGAAACAGTTTCAGCAAAACCTGCGTGACTTTTCGTTGTTAGAAGTAAAAGAACGGGGACTCTAGGT ACAGTTTTCATTGTCGCCACTTCATGCTCATTCTCAGAAAGGTCTGAATGATGCCCCCATATGGATCATTGCTGCCGCCA CCGTCAGTGACGTAAGTGAATGCTCATTCCGCTAAAGGGTTTCCAACTCCCTTTTCGGTTCACCCTTCCCGTTGTCATTG TCATAAATTGTCATAGTTATTATAATTATTGTCATTACCTCCACTCTCTTTTTGTGTTGTCTTACGGGGGCACGTCACGA ATGGGTAGTCAGCTGCAGTCCGGCTTCACAAGTCATAGGCCACCGTGGCGTTACCCCATTCGAAGAGCCGGAGTGGTCTA AAAAAAACAACAACAACATAACAACCGCCGTTTCGTGTGCACCGCCCTTCACCCCAGTCTGCCTACGG**TGATGA**AAATAC TB7Cs1C1 ATGTATATGCTAACTTTTCTGTACTCCATGGAGTGAGCATGAAGTGAATTATCCGCAGAGAAGT**CTGA**AACGTTTTTAAA TCCCCCCCCTGTACTCCTCTTCTTCTTGTGGTTTCCATCTCAGTACTTCGATGCTTGGTATGACACACGAATACTGCGTG TTACTCAGACGTGGTGACGAAGTAACGGATACTTTCCTTCATCACAGCGCTTGTTTGTTGTTTCTTT	Tb7.NT.42	TB7Cs1C1
>lcl|Tb927_08_v4:513118-513754 No definition line found GTAATTAGGTTTAAGAGGCATGCCATAGTCGTCTCACTTGGGAGTCAACTTGTGATCCGTAGCATGTGGAGCGGGATGTG AGAGTCACAC AAACGAGGGACATCGTCGGGGGCTCTGATTCAACTTCTGTGGGGCCAAACCGAAACAACACCTTCGA**AGA** TB8Cs4H2 TATACTTCGTGTATTGTTTTTGTTGTTCACACAATATTTGCTTTTTCTTCCGTTACTTGGGTCTAATAAGTTACCTGCCC TGCTACGCTCGCACCGTCTACCTTTACGTGCACATTTCACTTCCGCCTATGCGCACTTGCAAACTTACACTTATGTAGTA TATGTGTACACGTTGTGCTTTTGTTTCATCTTTCTTATTTTCCAGTGTGCGTACACGTATGGCTTCAGCATATTTAACCT GGTACCTTTGGCAGTTAGTAAGGCCACCACCAGTGCCCAACCCCACTGCCTGAGGAGGGCTTTTACTGATTATAAAAATA CAAAACCAGGAGCAAGAAGGAACAAAATATTAGAAAGAAAGCGGCAGGAGGGGGGGGGAGGTGAGAGGGAAAGAAAGATG GGAGTCTCTAACTCTGGCAGTCATTAGTGATATCAACCTTTCTCATCGCTCTGAAAGGATTATGTTTGTGCGTGTGG	Tb8.NT.22	TB8Cs4H2
>lcl|Tb927_09_v4:615962-616620 No definition line found AGAACAATATGGTTAGTTCCCAACGGGCATGACTGCTTCCACTTGGGTTCCTGAGGCGTGTGAGAGTGTGAGTGTTGTAC AGCACAGAAAATGAAGCTAGTTATGGCGTACCGCTGCTGCTCTAGTGCCGACACTGTGCGAGATGCGTTATTTTGTACCT TCCCCAGGAGTGTCTGCCTTAGTTTTAATCTAATCCTTTCTTCACCCTCTGTGCTTTCTTGATTTGAACCTACTCTCTCC CCTCCATGCATTCAAGGCAC AACACGGGGCAATCCGAGGTCAGTGAGCTTCACTTCGTGCCGCATGATGCCTTCTGGTGG TB9Cs1H2 CTCCGGAGAAGC ATGTGTTGGTCTGCTTCG**TGATGA**TCCCGCGAACTGAGTGTACCTTTTTTCAGCACTTTCGTGCAATG TB9Cs1C1 GAATGTAATGGCACCGTGCCCTCTTGTTGGGGTGTACTGATAGCAGATTTAACGGGAAACGTG**CTGA**TATAGTTGCCTTC ACTACAGTGATATCAACTTCTCC GTACACTGAGAACGCGCTATTAGCTCCCAACGGGTATGACTGCTTCCACTTGGGTTC TB9Cs1H3 CTGAGGCGTGTGAGAGTG TGAGTGT TGTACAGCACAGAAAATGAAGCTAGTTATGGCGTACCGCTGCTGCTCTAGTGCCG TB9Cs1H1 ACACTGTGCGAGATGC GTT	Tb9.NT.99	TB9Cs1C1 TB9Cs1H1 TB9Cs1H2 TB9Cs1H3
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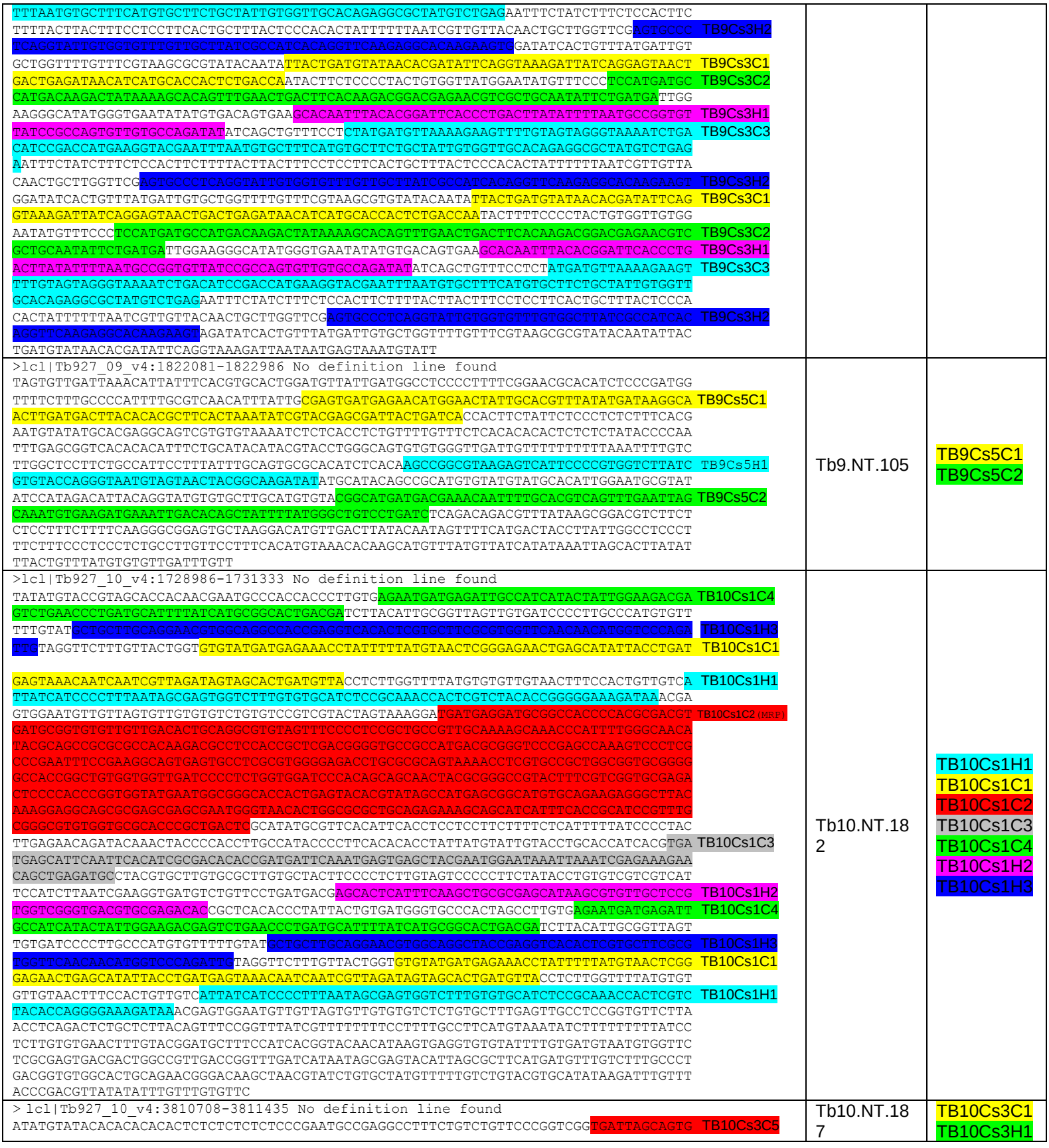
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TB9Cs3C1
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TB9Cs3H1
TB9Cs3C3
TB9Cs3H2
TB9Cs3C1
TB9Cs3C2
TB9Cs3H1
TB9Cs3C3
TB9Cs3H2
>lcl|Tb927_09_v4:1822081-1822986 No definition line found
TB9Cs5C1
TB9Cs5H1
TB9Cs5C2
>lcl|Tb927_10_v4:1728986-1731333 No definition line found
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TB10Cs1H3
TB10Cs1C1
TB10Cs1H1
TB10Cs1C2 (MRP)
TB10Cs1C3
TB10Cs1H2
TB10Cs1C4
TB10Cs1H3
TB10Cs1C1
TB10Cs1H1
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Tb9.NT.105
Tb10.NT.182
Tb10.NT.187
TB9Cs5C1
TB9Cs5C2
TB10Cs1H1
TB10Cs1C1
TB10Cs1C2
TB10Cs1C3
TB10Cs1C4
TB10Cs1H2
TB10Cs1H3
TB10Cs3C1
TB10Cs3H1

CGTCTTCCACCTAACGACCCTTGATGATTATGATACGATGCCTGGTCAACAGAACTATACTACACCAAATTTAGTAAATG AGACCACAGTGCAGGCAGAGGCTGGCAATCCTCGTCCGCCAGCAGCCGCCCCGGGCAGGATGGCGCCCGTGTCCCTGGCG TB10Cs3H2 TGACGTCTAATCGGTGCGGCGAGATGTGCTGACACTTTTGCGTCGCG**TGATGA**GGTGCAGAAGGCATGTCGCCGCTACGG TB10Cs3C1 CGGTGGCTCGCGTAGCCGTCTGGCTGTGCGCGTACTGTGAGCTACTGTACTCCATGGGTGAACAATCT**CTGA**TGACGTGT CACAGCGGGAGCAGTGTCGCTATGCGTTCCCGTCAGTAATACGGGCTAACGGTACGAAGCACGTGCGAGAGGTAAGTGGA TB10Cs3H1 AATCCGCTGCCTGTGAACACAGCAGGTACACATGATGCACACAATTCAATACTCACTCTGAACATCACTTGTCAGGAGGA TB10Cs3C2 ATGTGATAACATGCACCACCAGCTGATCACATCCACGTGCATACATGCACACATGCCCTATCCCGCTTCCTTCACTTTTT CACACAGTCTGTGTGTCTGTGTGTCTGTGTGTGTGTGTGTACACCCGCATGTTTGTATACTTGTTTGTGACCATGCCAAT GGACCCTT		TB10Cs3H2 TB10Cs3C2 TB10Cs3C5
> lcl|Tb927_10_v4:3811991-3812534 No definition line found CAGTGCGTCTTCCACCTAACGACCCTTGATGATTATGATACGATGCCTGGTCAACAGAACTATACTACACCAAATTTAGT TB10Cs3C5 AAATGAGACCACAGTGCAGGCAGAGGCTGGCAATCCTCGTCCGCCAGCAGCCGCCCCGGGCAGGATGGCGCCCGTGTCCC TB10Cs3H2 TGGCGTGACGTCTAATCGGTGCGGCGAGATGTGCTGACACTTTTGCGTCGCG**TGATGA**GGTGCAGAAGGCATGTCGCCGC TB10Cs3C1 TACGGCGGTGGCTCGCGTAGCCGTCTGGCTGTGCGCGTACTGTGAGCTACTGTACTCCATGGGTGAACAATCT**CTGA**TGA CGTGTCACAGCGGGAGCAGTGTCGCTATGCGTTCCCGTCAGTAATACGGGCTAACGGTACGAAGCACGTGCGAGAGGTAA TB10Cs3H1 GTGGAAATCCGCTGCCTGTGAACACAGCAGGTACACATGATGCACACAATTCAATACTCACTCTGAACATCACTTGTCAG TB10Cs3C2 GAGGAATGTGATAACATGCACCACCAG**CTGA**TCACATCCACGTGCATACATGCACACATGCCCT	Tb10.NT.189	TB10Cs3H1 TB10Cs3H2 TB10Cs3C1 TB10Cs3C2 TB10Cs3C5
> lcl|Tb927_10_v4:3813124-3813872 No definition line found ATATGTATACACACACACACTCTCTCTCTCCCGAATGCCGAGGCCTTTCTGTCTGTTCCCGGTCGGTGATTAGCAGTG TB10Cs3C5 CGTCTTCCACCTAACGACCCTTGATGATTATGATACGATGCCTGGTCAACAGAACTATACTACACCAAATTTAGTAAATG AGACCACAGTGCAGGCAGAGGCTGGCAATCCTCGTCCGCCAGCAGCCGCCCCGGGCAGGATGGCGCCCGTGTCCTTGGCG TB10Cs3H2 TGACGTCTAATCGGTGCGGCGAGATGTGCTGACACTTTTGCGTCGCG**TGATGA**GGTGCAGAAGGCATGTCGCCGCTACGG TB10Cs3C1 CGGTGGCTCGCGTAGCCGTCTGGCTGTGCGCGTACTGTGAGCTACTGTACTCCATGGGTGAACAATCT**CTGA**TGACGTGT CACAGCGGGAGCAGTGTCGCTATGCGTTCCCGTCAGTAATACGGGCTAACGGTACGAAGCACGTGCGAGAGGTAAGTGGA TB10Cs3H1 AATCCGCTGCCTGTGAACACAGCAGGTACACATGATGCACACAATTCAATACTCACTCTGAACATCACTTGTCAGGAGGA TB10Cs3C2 ATGTGATAACATGCACCACCAGCTGATCACATCCACGTGCATACATGCACACATGCCCTATCCCGCTTCCTTCACTTTTT CACACAGTCTGTGTGTCTGTGTGTCTGTGTGTGTGTGTGTACACCTGCATGTTTGTATACTTGTTTGTGACCATGCCAAT GGACCCTTAATTACTCTATTTTTTTTTTC	Tb10.NT.191	TB10Cs3H1 TB10Cs3H2 TB10Cs3C1 TB10Cs3C2 TB10Cs3C5
> lcl|Tb927_10_v4:3810298-3810700 No definition line found ACAGGAAGAAAAAAGACACCTAGTTTGTAAGGAATGTTGTGGCCTGGAAACACTGTCGCGCATGATGTGCTCAACTGGAA TB10Cs3C3 TTACCATCTGAACGCGGGATACCGCAAGTCGATGAATTAATGCTACGTGCATTACCTCCGCTGTTACTCGTATCACTGAC ACCGCGACTGTTTCCTTTGTTTTGAGGCCCTCAGGGAAGCGCGTGATGACATACAAAGTTGTTTGCACATTTTCCGACAC TB10Cs3C4 ACCGTGAGCGAGTTACAATATTACAAGAACACCATCTGAATTTTTGTCGACTCTACCCCTTCCTCCTTATTGGTGATGGC ACAATGCATCTGTTCCCTTCTTTTATTTGGACCCTCTTCTTCCTACCCACTTACATACATGCACACACGTCTCTGTGTAA ATG	Tb10.NT.186	TB10Cs3C3 TB10Cs3C4
> lcl|Tb927_10_v4:3811463-3811861 No definition line found GCGGCTTTGAGACTGAGTGTGCGTCCTTAATACGCGAACAACAAGCAAGGCCTCGTTGTTTGCTAGTTTGTAAGGAATGT TGTGGCCTGGAAACACTGTCGCGCATGATGTGCTCAACTGGAATTACCATCTGAACGCGGGATACCGCAAGTCGATGAAT TB10Cs3C3 TAATGCTACGTGCATTACCTCCGCTGTTACTCGTATCACTGACACCGCGACTGTTTCCTTTGTTTTGAGGCCCTCAGGGA AGCGCGTGATGACATACAAAGTTGTTTGCACATTTTCCGACACACCGTGAGCGAGTTACAATATTACAAGAACACCATCT TB10Cs3C4 GAATTTTTGTCGACTCTACCCCTTCCTCCTTATTGGTGATGGCACAATGCATCTGTTCCCTTCTTTTATTTGGACCCTC	Tb10.NT.188	TB10Cs3C3 TB10Cs3C4
> lcl|Tb927_10_v4:3812682-3813068 No definition line found ACTGAGTGTGCGTCCTTAATACGCGAACAACAAGCAAGGCCTCGTTGTTTGCTAGTTTGTAAGGAATGTTGTGGCCTGGA AACACTGTCGCGCATGATGTGCTCAACTGGAATTACCATCTGAACGCGGGATACCGCAAGTCGATGAATTAATGCTACGT TB10Cs3C3 GCATTACCTCCGCTGTTACTCGTATCACTGACACCGCGACTGTTTCCTTTGTTTTGAGGCCCTCAGGGAAGCGCGTGATG TB10Cs3C4 ACATACAAAGTTGTTTGCACATTATCCGACACACCGTGAGCGAGTTACAATATTACAAGAACACCATCTGAATTTTTGTC GACTCTACCCCTTCCTCCTTATTGGTGATGGCACAATGCATCTGTTCCCTTCTTTTATTTGGACCCT	Tb10.NT.190	TB10Cs3C3 TB10Cs3C4
> lcl|Tb927_10_v4:3814325-3815178 No definition line found TATGCAGATATGTATACACACACACTCTCTCTCTCTCCCGAATGCCGAGGCCTTTCTGTCTGTTCCCGGTCGGTGATT TB10Cs3C5 AGCAGTGCGTCTTCCACCTAACGACCCTTGATGATTATGATACGATGCCTGGTCAACAGAACTATACTACACCAAATTTA GTAAATGAGACCACAGTGCAGGCAGAGGCTGGCAATCCTCGTCCGCCAGCAGCCGCCCCGGGCAGGATGGCGCCCGTGTC TB10Cs3H2 CCTGGCGTGACGTCTAATCGGTGCGGCGAGATGTGCTGACACTTTTGCGTCGCG**TGATGA**GGTGCAGAAGGCATGTCGCC TB10Cs3C1 GCTACGGCGGTGGCTCGCGTAGCCGTCTGGCTGTGCGCGTACTGTGAGCTACTGTACTCCATGGGTGAACAATCT**CTGA**T GACGTGTCACAGCGGGAGCAGTGTCGCTATGCGTTCCCGTCAGTAATACGGGCTAACGGTACGAAGCACGTGCGAGAGGT TB10Cs3H1 AAGTGGAAATCCGCTGCCTGTGAACACAGCAGGTACACATGATGCACACAATTCAATACTCACTCTGAACATCACTTGTC TB10Cs3C2 AGGAGGAATGTGATAACATGCACCACCAGCTGATCACATCCACGTGCATACATGCACACATGCCCTATCCCGCTTCCTTC ACTTTTTCACACAGTCTGTGTGTCTGTGTGTCTGTCTGTGTGTGTGTACACCTGCATGTTTGTATACTTGTTTGTGACCA TGCCAATGGACCCTTAATTACTCTATTTTTTTTTTCTCGTGGGCGGCTTTGAGACTGAGTGTGCGTCCTTAATACGCGAA CAACAAGCAAGGCCTCGTTGTTTGCTAGTTTGTAAGGAATGTTGTGGCCTGGAA	Tb10.NT.193	TB10Cs3H1 TB10Cs3H2 TB10Cs3C1 TB10Cs3C2 TB10Cs3C5
>lcl|Tb927_10_v4:1679047-1679930 No definition line found CTCTTTTAATTTCCTGATGAATTTATGGGACTTGATAGAAATCTAGGTTAGAGAAAACGTCGGTTATATTGCCGTGTCCA GTCTAAGGAAACAATGAGCGATGGGCGATATTTGGCTCTCATCTCTGTGTGATGACATCACTAAGCGTTTCTGACGGAAT TB10Cs2"C1 TCGTATGCTGAACACATAACAAACGCAAATCACTCCACACTGATAACAGCTCCGCAGGCCCCAATCCCTTACCGTACATT	Tb10.NT.70	TB10Cs2"C1 TB10Cs2"C

CGCAATGAGGCAAACGATGAAAAAATAAATGGATCGCTGACTCTGAACACATTATCTGATTGACAGGACATTTCTTTGAC TB10Cs2''C2 TATACCTCTGAATTGTGCCCCACTTCTCTCTCCATTCCTCCCTCTTTCTGTTGGTTTCCCCCCCCCCCCCTCCTGCTGCT GCCACTACTATTCCTCCAGGTGTCTATTGCTCCTGGTGCATTACCATTAACTGCGGTATGATTACAAAGCAATTTTATCC TB10Cs2''C3 TCACCCTGACGTGAGTGGTTCTGTGACGAGAAACCGATTGACAATAATACCAAGATCTGCTATGAGCCCGTGATGTTGTG TB10Cs2''C4 TGCAGACGCTGTATTAATCCCGCCCCGTATGGCAAACTCATGCCCGGGGCGATTCATGCACAGCGGAGATGGGTATTGTC TCACTTCCCCTTATCGTAAAGTCCACTTTCTTTCCTGTTGCGTGCCTGTTTCAAATGTACGCCCGCGCGGTTTTGTGAAT GAGGCTCCCCATTCCGCTGTTGTTGCGGGGTAATCTGGTTTTGTGCGTGGCGGGTGCTTGCGCTGCGTTTAGTAGACGTT AACCGATGGAGTTGTTACAAACCCCCCATTTATTCGGATTCGCTATTCCGCAGGGCGGTGGTTTAGCTCTTCGAGCACAT TTGT		2 TB10Cs2''C3 TB10Cs2''C4
>lcl|Tb927_11_01_v4:4208173-4208926 No definition line found CTTCATAGTACGAAAATTTTCTGAACCTTTGTTCGTTTCGGCGATCGTGCATCGCACGTGTTGAGTGTGTGCGTGCGTGG TB11Cs5C1 GTGATGTCTTTTGTGGAACTCCAACCTGTACCTGCCGGGTCGCGGAACGAGATGCCGCGGAGCTGAATTCCTCCCCCCGC TCCCTCTTTTTGCCTCAACACCCACCAACCAGCCCCTTTCTGTGCGGTAGCTTGCACAATGGTGGCCAAAGTGTGGTGTG AGATTTTTGGCGACCCAAGCAGCATCAGTACAGCGGTGGTATCGCTAAGGCACCATGATACTTTCCGCTGGCGATGTGGC TB11Cs5H2 GAGATACGTATCGGAGGTTGCTGTTTTCGTCTTCCTTGCGTTTTTTCCCCTCTATTTCGTGTTCCTTTCGCCTACAAAGT TB11Cs5C2 TCCCGGCGGTGACCCTGATGGTTCCTTAAGGTCAGTTCGAAGGCCCAGTACTTGTACCATTGTAAGTGCAATGTGGTTCA TB11Cs5H3 AAAGCTGACCAAGATTTGTTTAATTTGTGTCTCATTGTGTGCATGAATGAGAAATGCTCTATCGGTTTCCTGACATTTTC ATTTGGCTCAACACCCACCAACCAGCCCCTTTCTGTGCGGTAGTTTCCACAATGGTGGCCAAAGTGTGGTGTGAGATTTT TB11Cs5H1 TGGTGACCCAAGCAGCATCAGTACAGCGGTGGTATCGCTAAGGCACCATGATACTTTCCGCTGGCGATGTGGCGAGATAC TB11Cs5H2 GTATCGGAGGTCACTATTGGAATTTTCATATTGG	Tb11.NT.201	TB11Cs5C1 TB11Cs5C2 TB11Cs5H1 TB11Cs5H2 TB11Cs5H3
>lcl|Tb927_10_v4:2872888-2873319 No definition line found GACAGAATTATAGGTTCAATAACGGAAGGAAAGTTTGTGAATGCAGCAAAGGCAAGATATGTGAACGAGCTTCAACCACA GAGGTGCTATAAATTTAGGAGGCTGCAGGGCGCAAGCTGGCGCTTTCTCTTTCCTAAGAGGAGAAGGGAGCGCTCCATGT GACGCCAAACAAAAAGTTCATTCACTCCCGTTCGCATCCTGTGTGATTCCCTTTCTAACAAAACCGTGCACGTGATGAGA TB10Cs2'C1 GTATGTTCTTTCTATATACTGATTTGTCCATTGAAGTACACAGATACATATTCATAGACTGTCGTTTCCCTGACCGCATT TCCACCGGTTTTCCCCCTCTTTGGATGGATTGATTCGATAAATCTTTCTGTTGTGGTCTTTTCCACACCCCTGCGTTACA TGTACCATGCAGCTTGCTGTTGAGCTGCATCG	Tb10.NT.132	TB10Cs2'C1

S-10. Summary of published snoRNAs found in the Kolev *et al*. 2010 dataset.
Comparison between the published snoRNAs and the novel transcripts identified in Kolev *et al*. 2010, revealed several snoRNA clusters that are present in these polyadenylated transcripts. Each snoRNA is listed with its TB-sno identifier along with its corresponding identifier and sequence from the Kolev *et al.* 2010 dataset. The sequence of each snoRNA is highlighted within the novel transcript.

S-11

Sequence	Kolev et al.-2010, ID	snoRNA
>lcl|Tb927_01_v4:329454-329960 No definition line found TCCTTCTTTCCCTTATTAATCTTCCCCGCTGTCTTTACCGCATTGGATGATTGGTAGGTAATGAAAACAGAGGTAAGCTT GCAAGCGAGAAAAATACAAGATTAAAAACCTGGTATTTGGTACCACGATTGAAATTGTAGGGAGAATAAAACAAAAAAAA TAAATACATGATGTACCGGTTCTACAACGAAGACATATCATTTTGGATATGCGGAACTCAGATCTCTGTGTTGGCACAAT TGTCTTTTGCTATGAGAGTGAAGGGCGCGTTGAGTGGGAAGCCATGCCGAATTTAGTGCGAGGCCATCCTAATTAAGGTA CCCGAGAGCGCGGTGAGTTGTGTTACTTTCCGTATTGGAGTACAGTTGTGTATACTGTTTGATTCTATTCGCTTTGGTAT CTAGCACAGCCGGTGGCTAGGACGAAAGTTGCTCGAGGAAAAGTGCTTGCTTTTACGCTGTCTTTCGTATTTGCTGCCCT TTTCTCTGGCTTTGAACTGTCAGGATT	Tb1.NT.23	TB1Cs1H1
>lcl|Tb927_05_v4:1121002-1121395 No definition line found TCTTAGATTGGGTTTAAGGCGGCAGAGTAGGTCCGAAGTTATGATTGCCGGCGGTGGTGAGTTTGTAGTGAGTGCATCTC CATGGTCCCCTCGCTAAAGAGCTGCATTTCGCCGAGAGTGAACAAAAAAAAACCAGTGTTTTCGCTCGTATAGAGCAGCT CCAGATTAAGTGAAGTGCGCGCCGTTATGGGTTCATTTGGGTAGGTTTTTCTGTTTTGAAGTTGATTCACCGACGCTGAA TGAAAAGAATGCGCTTTCGCGTACCAAAGTGTTTCACGTTGACTTAAGCCCGGTGAACGTACGAAACTCGTCCTCCTTGG CTCGTTGACTTACTCTTCCTTTTTGTTTAAGCTGTAGTTTGACTGTTTTTTTTGTTTGCATTATATTTAACGTC	Tb5.NT.81	TB5Cs2H1
>lcl|Tb927_07_v4:1059609-1060315 No definition line found TGGTGAGGTGGAGTGAAACAGTTTCAGCAAAACCTGCGTGACTTTTCGTTGTTAGAAGTAAAAGAACGGGGACTCTAGGT ACAGTTTTCATTGTCGCCACTTCATGCTCATTCTCAGAAAGGTCTGAATGATGCCCCCATATGGATCATTGCTGCCGCCA CCGTCAGTGACGTAAGTGAATGCTCATTCCGCTAAAGGGTTTCCAACTCCCTTTTCGGTTCACCCTTCCCGTTGTCATTG TCATAAATTGTCATAGTTATTATAATTATTGTCATTACCTCCACTCTCTTTTTGTGTTGTCTTACGGGGGCACGTCACGA ATGGGTAGTCAGCTGCAGTCCGGCTTCACAAGTCATAGGCCACCGTGGCGTTACCCCATTCGAAGAGCCGGAGTGGTCTA AAAAAAACAACAACAACATAACAACCGCCGTTTCGTGTGCACCGCCCTTCACCCCAGTCTGCCTACGGTGATGAAAATAC ATGTATATGCTAACTTTTCTGTACTCCATGGAGTGAGCATGAAGTGAATTATCCGCAGAGAAGTCTGAAACGTTTTTAAA TCCCCCCCCTGTACTCCTCTTCTTCTTGTGGTTTCCATCTCAGTACTTCGATGCTTGGTATGACACACGAATACTGCGTG TTACTCAGACGTGGTGACGAAGTAACGGATACTTTCCTTCATCACAGCGCTTGTTTGTTGTTTCTTT	Tb7.NT.42	TB7Cs1'H1
>lcl|Tb927_07_v4:1996219-1996850 No definition line found CATGCCACAGCGCCAGGCAATGTTAAAAGACATCGGCGCCACTTTGACAAGAAGGTAGTAAGAGACAATAAATTCGAATA CTTAATTTAAAAAAAAAATGAACAGATGAAAGAGGGAGGAAAGTGTCACACGCGGTACATGCGGGTGGACGCCGCATGAC ACAACACCCTCAAACCTCCACACAAACGACGAAGCTTACCGCGTGGGGTTCATTAAACTAGTGAACAGCGCACGTAGAAT AAATCGTCGGAGAAGGGAGAGAAATAAGCAGGAAGGAAGTAAAAGATGAAGGTGCGCAAAAATGGCAGTAATGCTAAAAC GCGCTGTGTGTTTGCATGCACCCAACTTGCCCATACCAAACATATCCCCGTTATGACGCCCTTTCCGCGTGGAGGCTCGG AACGAGTGGCGGGAAAGGGGGGAAAATCCTCTTAACCTCCTTCGTCTATGAGACTTCACGCACAAAAGGCGTCAGAGATG CACTTCACCCCCTTCAACTCTCCCAAGCACCTTTCTTCTTTATCCGTATAACACATTTTGCTTAGCCTCCGAATGGGTAC ACCGTATAATATATACACATATATATATTTATTTTTATATGAGCGTGAGCCCGAACGCGTAGGAATGGACGG	Tb7.NT.105	TB7Cs3H1
>lcl|Tb927_07_v4:1536625-1537300 No definition line found CCTCGTAGAAAAGTTAAGAAAAAAAACGCTTATCTCTATACGGATACGCCGTTGGACGTCACGGAACTGTGCTTGGCGCA ATGCAGCTATGGTTATAGGAAAGATACATTTTGTTTAAGAAGAATTATGAATATGTGTCATGGCTGTGGACAAAAGAGAA AAAGAAGGGCATCTCCGGTGACCGGAGGTGACGGATGGCCTACCGCCGCGGTTTAAAACTTCAAATTTGAAGTATTTCTT CAGTCTGAATATTTCGCCACCCAGGACCACTTAGACTAGTTACTCTACCCAATATTCATGGGTATTCTG**TGAATGA**TGAA CTTAAACATACTTTTTTCCTAACAAAACGCCTGAATGTGTTGAATGATGCACAACCAATACGTGTGTT**CTGA**TAATTGGT ATTTACCACCACCACCACCCTTAGTTAAACATATAAAAACATCATCCGCCGTAACGAACAGTTTTGGGACTTCACATTTA GTTGGAGTTGCCCCAGCACTCTCGTGACACAAAATGTTAATACATCATTTCCCCCTAACTTGCAATCAATCCCCTATTTG TTTCGAAAGAGTATAAATATTTTTTGAATGTCTGCGACGAGTGTATTAAATTTTTATTTATTTGCTCTCATGCGTTACGT ATAGTACTTCGGCGATCGTCTTTTTGTTGCAATAAA	Tb7.NT.64	TB7Cs2C1
>lcl|Tb927_08_v4:945614-945885 No definition line found TAGGTAATAGTGCTTGTTGTTGTATCGCATCTCTGATTAGTCCACTGTTGCTTGACCGCACCGCAAGGGGCTATCCCCCGT GAAGATTACAAATCCCAATGATTTGCCGCCATTGATCGACAGAAATGCTCAGCCAGGCGTACTCAGTTGGGGGAGATGTA GTTTTGAGACGGTCGTTTTTGGGTGGGGGAACACGGCTATATCCGTGAAAAGGGTGCTGGGACACGCTATTTGTAAGTCT TTGATGTCAGTTCCGGCTGTTTCTCTGCGGGT	Tb8.NT.56	TB8Cs5H1
>lcl|Tb927_08_v4:1082030-1082506 No definition line found TCGGTAGTTTTTGTTTCACTAGATTAGCTCTTGATCCCAAAGGCAAAAGATATGTACCCATTGGCATGTTCGTTGTGGCC ACTGCCTGCGTCGTCACTAACTTTTTTTCGGTTCGTGGTACTATGGTCGGAAGAGTCATAGGATGCGCATCCGCTTACCC TTTCTTTGCTAACGCGGATCGCCTGCTGTTTTTTTTTTCTTTTCCCCCCTCTCATCCCTTAGAAAAATTTGGACACCCAG TTGCTGTGTCCGCTTTTCGTTACCAGCGGCGGCGGAGCAACTCTAATGACCGTTTCGTGCCTTCACTACCTCGATGTGCA GTGGTAGATGGAAGTCAGATAGCGGCCAGAGAATTGTATGGACCATCTAATTGCAACCGTGGTTATCCGTCCCATTAGCA CAACGCTGGTATTCTGTGAAGCTGGAGAGTAAGGTGTATTGGTTACTTATGTTTATTACCCACATCTTTTCCAAGCG	Tb8.NT.62	TB8Cs6H1
>lcl|Tb927_09_v4:1822081-1822986 No definition line found TAGTGTTGATTAAACATTATTTCACGTGCACTGGATGTTATTGATGGCCTCCCCTTTTCGGAACGCACATCTCCCGATGG TTTTCTTTGCCCCATTTTGCGTCAACATTTATTGCGAGTGATGAGAACATGGAACTATTGCACGTTTATATGATAAGGCA TB9Cs5C1 ACTTGATGACTTACACACGCTTCACTAAATATCGTACGAGCGATTACTGATCACCACTTCTATTCTCCCTCTCTTTCACG AATGTATATGCACGAGGCAGTCGTGTGTAAAATCTCTCACCTCTGTTTTGTTTCTCACACACACTCTCTCTATACCCCAA TTTGAGCGGTCACACACATTTCTGCATACATACGTACCTGGGCAGTGTGTGGGTTGATTGTTTTTTTTTTAAATTTTGTC TTGGCTCCTTCTGCCATTCCTTTATTTGCAGTGCGCACATCTCACAAGCCGGCGTAAGAGTCATTCCCCGTGGTCTTATC TB9Cs5H1	Tb9.NT.105	TB9Cs5H1

GTGTACCAGGGTAATGTAGTAACTACGGCA**AGA**TATATGCATACAGCCGCATGTGTATGTATGCACATTGGAATGCGTAT ATCCATAGACATTACAGGTATGTGTGCTTGCATGTGTACGGCA**TGATGA**CGAAACAATTTTGCACGTCAGTTTGAATTAG TB9Cs5C2 CAAATGTGAAGATGAAATTGACACAGCTATTTTATGGGCTGTC**CTGA**TCTCAGACAGACGTTTATAAGCGGACGTCTTCT CTCCTTTCTTTTCAAGGGCGGAGTGCTAAGGACATGTTGACTTATACAATAGTTTTCATGACTACCTTATTGGCCTCCCT TTCTTTCCCTCCCTCTGCCTTGTTCCTTTCACATGTAAACACAAGCATGTTTATGTTATCATATAAATTAGCACTTATAT TTACTGTTTATGTGTGTTGATTTGTT		
>lcl|Tb927_10_v4:1823486-1824759 No definition line found AAAATACTTTTCTTAGAAAAGGATCGCTTGTAATGTTTCTGCCTGCTTTAACGCAAGAGCTCTAGACGTTCTTTTCTCCA TCGTTGTTTTTTAGAACGACACGTCTCCTCCGATGATTCAGAAGTCGGGAGTGAAGCTAAGTTATTTAAGTGTCAGGTAA GACAGGGACTATGGTAATAAAACTCAGATGACGGCAATATTGTAGCCGCTGCGGTTAATGTTTAGTCACCATGTACAAAT TCGTCGGCCCTCACATTCCTTTTGTTTCGATGGGGTTCGGAATTGCCCCTTTAACCGTACGCATCTGTATATGTGAATAC GCGTGGTTGGGCATGTGTGTATAGGTGCCGTTCTTTACGGTTGCGGTGGTGGTAATGGCAGACAAGGGTTGTATTTCCGG TACCGCTTGTTACCTTACAATACTGGCGGTTGCTTAGTACATCAACCCGAGATTATTTTCAGCTGAGCCCGCCTTTCCTT CGTGATTGCGATAACCACTTAATTTATTCCCCTCCTCTTACCCTTTCCATTTTTACACGAATATATGTGTTCATATGGAT ACAGATCCTCCTATTTAGTAATATTCTGATGAGTTTCTGTCCCCTAACCCTAACCCTAACCCTAACCCAAACGTCTGCTA CGCGGTGTGCTTCGTACGCATGTTGAATTCATGTTGGGATAGGAGTGGCACCACCAAAGCGGCGTGAGATGACATGCGTT TAACTCACCGATGTGACTACGGCACCCACTGAATTCTCTGAATCTCACTGGAGCTCCCCGGGCCGGCCGCAACTCCCTTT TTTCTTTTCCCTCCTTTTTGTTCTCTCTCTCTCTCTCCCATTCCCCCCTTTCCACACACGCTATACGTGGGCGTATTACT GTGGGCACTACTCAAAGCAGTGTTTCTGGGCGTTAGATGTCTTACAAATGGGCGTTCCATTTAATTTGTAGCTCCTAACG CAAGTAAACACTGCGAGATTTCAACGCGAATGGTGGATGAAAGCAGCACATTTGTGCAAACGTGATTTCCCTCCGTTGTA TGCGTTCAACAACTTTAAAGAGGTGTTTTGGTGACTTCCTCATTCTCTTGTGCGCATGCCTAATGTAACATCCCGTTATT TTTATTTTTTTTATTATTTTGAAGCAGCAGTCGATATCCGTTGCACGTCGCACGATCAGTTGAAGTTCATCTCTTAACTT TCCCTCTGAATTTGTCCGTGCGTTCTTCGCTCTCGTTTCTTTTATTTTGTGTATGTGTGTGTATACCCGAAGTG	Tb10.NT.77	TB10Cs1'H1
>lcl|Tb927_11_01_v4:2564137-2564659 No definition line found GAGTGGCGTGTCTCCAATCAAGTACTAGGAAAGTCACAGTAGCAATTGGCCGCAACACAAAGGTACCGGTGCTGTTGGTA GCGGCTCTATCAGACACGGCAATTATGAATATTTATCGTTTGTCGTGATGTAAGAATTCGCAAGATTTGGGTTGTCTGGT GGTGCTTGTGACAGGGTTCCATTTTCTCCATTCGTTCCTCTTTTTTCTTTATCTTTTACCTTTGCTTGAGTGGTTAAAAA AAGGAACATGACTGGGGTTCTGCTCTCTCCTTTCATGATGGAAAGGCCACGAGAATTCGTAATTTTTTAATTTAGTGCTT ACCACCGTTGCGTCCGCTCTGTGCCATGCAGAAAATACTCACAGCTGTGTTGGTGCGTGTCTCCATGTGTGTGTTATACC CTGGCATCATTGCGTTAAAGGTGTTTGGTTGCCGTGTTCCCGTTCCCACTTCCCGCTGTTATTAGTAGTGCTATTCCGCT ATCGTTTTCTGTCTGTCGCACTCTTTTATCGTTCGTTTAACAC	Tb11.NT.111	TB11Cs1'H1
>lcl|Tb927_11_01_v4:3945635-3946258 No definition line found TTGGAAGGAAAGCATATGTTTGAATAGCCGTCCGTAGGAGCCCCTCCCCCGATGCATGTTGATTCACCCCTGCAATGGGC TACCAGTGTGTACAAAAAGAGAAGCGGTGCCGTG**TGATGA**TATTAGTGATCTTTTGAAGTTAGCCCTTCAATCCGAGAGT TB11Cs4pC1 TTCGTGATGGAATAACCGTTTATATTTGATT**CTGA**GATTCTTTCCGTATCTTTCTTTAAGTATTTGAAACTGGTTTGCTC ACATACTTCACCCTCTCGACCAGCTCTGCTATTGCGTTTATTCTACTGTTTCCCCTACATTCTGTCGGTGGCCCAACACT CCCTCTTGGCCCCTGTTCAACGTGCCTGTGTAAACAGGGTGTGCTTGCCGCGTAGCTGCACCGTGTGATAGAGGTAGCGG TB11Cs4pH1 AGATGATACTCCATGTACTTTGTCAAGTA**AGA**TATGATGTTATCATTGTTATTCTTGAAGTTAGCCCTTCAATCCGACAA ATTTGTGATGGAATAACTATACTATGTTATTAGCTGAAGTCTTGAATCTTTCTTGTTTCTTCCCTTCATTAATCAAACCT TGTTCGTGACTACTTTACTTTTTGTTCGTACGGTTGCAGCACCATGTTTGCGTACGTATCTTTG	Tb11.NT.187	TB11Cs4'C1 TB11Cs4'H1
>lcl|Tb927_11_01_v4:4381385-4382100 No definition line found TACGGATAGCAGAAAAATGTAACAAGTACGTGAAGGAAGGAAAAGATAGTGTAAACCCACGTATCAATGCACTAAAAGAA AAAAAACTCCTCTCCCTTTTGTGTGTAAATCGGTGGTGGATGAAGGAAGTTAGGAGGTAAATGACTTATGCACCCATTTC CTCTACCGCTGTATGTGCGTGTTTAGCCTCTATACAATAGTGGTGGAGCCAGCCTTTAGATGCTAATAACAATCTCATCA TTAAGGGTGCAAAAAAGTGTTGTTTATCGTATGTCGTTTTGTCTACGTGTGACTTCACAGGCAGTTAGTTGCCGCTGTGC CTGAGTCATGTGAGAG**AGA**TATTCTGGTGGCTCTAACCCGCTGCAGTTGCTCATCTTTTATTCTGTTGGGTCGTACAAAT AGAATACATGTGGGATAAGATAACTCTTTGGGTGGATGTTGATCTATTACTGCCTTCTTCTTACCTCTTCTGCAAGTTGT GGTTACCGCAAAAGGTATAGTCGTGGTGATGATGAAGTCATTTTACAGCGGAGTTCATTTCCTAAGTAAATATTCCTCAT TTTAAAGGGGAGCGGAACGACTTCCCCTTACGGTCTCAGTAATGCATGAACTAGTTTCCTACCGAATAGTCGGAAGTCCT GTTTAGCATCTTTGTCTGTGTGAAATGTTGACCCCCTTTCTCTTCTTCTTTGCCTCTTGTGACAGGGTAAATAAGT	Tb11.NT.214	TB11Cs6H1

S-11. Summary of newly identified snoRNAs found in the Kolev *et al.* 2010 dataset.
Comparison between the newly identified snoRNAs in this study and the novel transcripts identified in Kolev *et al.* 2010, revealed several snoRNAs that are present in these polyadenylated transcripts. Each snoRNA is listed with its TB-sno identifier along with its corresponding identifier and sequence from the Kolev *et al.* 2010 dataset. The sequence of each snoRNA is highlighted within the novel transcript.

Sequence	Kolev *et al.* 2010, ID	sRNA
>lcl|Tb927_01_v4:80586-84883 No definition line found CTCTATGCAAGAAGGAAGGTGTAAGTTTAAAAAAACTTAGTTTTGAAGTGCCAAACATGTCCACTTCAGTACACCCATCA CTAACGGAAACTACAAATCTTCACAGAGTGGTGAGTTTGTGTGGGAGTTTCCGAACTGACGGGAAGAGATGTGAATGTAC GAAGTAAAAACGGAAGAATATCACCTGATGTGTTCTTTTTGAATTTTTATAAAGCAACGAGACACGATGTTACACATATG GTCAAGTGAAGTATTGCACTACAACTTGTCAAATAAACAAATTTGCAGCAACTAAAGGGGAATAAATGCAACAACAGGTC CCGGAAGCATGGAGTTGAGTGGTCTTTACTTATAGCATAACCAAAGCTTCACAAAGGAAACACCTTGAGAAACATTCTAC AATGGGAAAGTAAAAACGATGCAGGAGGAAGTCACCTGAAAGGGGTGGAGAATAAAACGGTGCATCACTCTTTTTAAAAA ATACAGTAGCCCCTCAAAAGCTGGGGACTCAAAAAGAATAATGGAGTGGCACCAAGAGCACTTTTACAACCAATAGTAAA CTCATTGGTGAAAGGAGTTATAATAATAATTATTATTTTTATTGCAGTTCCCACACACAAAGCCATCCGTACATCATGGC AATGGTTTCAGGAGCCAATAGAATAGGAAAGTGAATGTGGCTGAGGACTAAAACATGTGAGGAACAGGGAATTCATCATG CGGTGTTTTTATGCATTGGCGGAAAATCATTACCGCATTCCAGCATAGGATGTAACTGCACTTCTATTTGTTGTTGTAAG TTTACGACTCTCAGAGAGCAACGCCATTTCAGTACAGGAGAACTCTTCCATCATCTCTATTGGACACACCGACGCGGATG TTGTTTTTGGGGTCCGTCTTTACAATACGGTAACAGGTGAACCCATCAAACAAACACAACACATGTTGTAATGGTGATTC GATAATATCTTGCAGGAAGTTCCGTCCAGAGTGGTATCCAGTTGCAATATGAGTAGTGACCTGAATTACACCCAGCCATG CGATGGCAAAAAGAAATTACACAGCTCCGAAAAAAAAGAGAAAAATGTTATACCACACTCACACGGCAGGCAAGCCTCAA TAGTGGATTTTGGGGGGAACCTTCCAAAGAAATTCAAAAGCGATACCCACAGAGTCACACGATGCGTAAATATCAACTGG GAAAAGGATATTGCCAGTGTGAGAAAAGTCATAGGGAGGAACCTCTGGAGGAAAGAGGAAAAATCATAGCCATTACCACA AAAGGAAAAATGTGATACCATACTGAAAAGACCATACGTAATGATAGAACATCCCATAAAGAGAAGAGCACTGCTGACAC GCGCAGCGGCAGTAGTTGCAATGGAGCACGACATTGACAACATATTATTAATACAAATGGGAAAGCACATCTACACAATG GAACTCCAACGAAGCACAGTGCGGTATCTCAGATATGTGACAGCTGCCGTCAGCAAGTCGATTCTTTTAATGTTTTTGAT GTAAGATACAATTGGAAGGAATGTGCGGCCCCAGTGTGAGGGAAGCCGGGACTTATAACGGTGAATAACTTTCCCAAATT ATCGATTGCACAGCATTCCTTGACACTCACAAGGGAAAACAAAGGTGACCTCACGGGATGAGGAAAAAAAAAGACTTCAC CTCTCCAATAGGAAATGAATGTGGGAATGATTTCCCTTCCGTGGATTTGACAGAGGATGATGCAAGCAGCGAGTAAGCGA TTTGATGAGGGTTGGAGCATTAAGAATAGCACAGATGATGCAGAAAGAAACAAAGAGAGAAAGTATCAAAGAAGGAGTCA GAATTGCGCATTGTAGAAAAGTATGCCCAAATAATGAAGCAGCCGCGTATCATTGGCACAGTTTCAGAGAGACATATGAC AGGATGAGTTATGTGCTATTCTTTGTGATTGGGGGAAACACAGATTTGGAAGAAGGCGTTGATTTATTGCATGACCAAAG GCTAAAAAGAGCAGGGATGATTATGAGGCATATCTCCCATTGGGTCACTTTTCCCAGTATTTAAATACTCTCCATGACCA GTCTGTAGCATTGTTTGATCTAAAGTCATTCCTCTCCAAAGTGAAGTTGCCTGAGGATGTTCGGCTGGAGTTCCGATGCC TTAACTAAAATGAGGAACTATTGAATTCGAATCGACTCCCCATCAGTTAATAAAGAGAACCCTGGAGTTTTACACACCAT CACAAGGGTCTTTTCAGGACATGCACTTCTCGTGAGGCTGCAGCAGGCGACCCCTGAAATATTGAGGACTCAAACATGGA TATGCAACATATTTATTAGTGTGAGGCACATGACGTGGTTAAATGTCGTGGAAACAAAATAGTTACGAGCATGGAGGAAT GTAGGGCATACTATCATTGGTGATTTGCAAAAGATGACACAACAATGTGATTTCATTGGAGTTTTAGTTTAACCATGAAA AGCAGACAGTATGGCTGGGACAACGAAAGTGACACAACAATTCCGAGTATCCCTTGCTATGTGAAAAAATCTACTATAGA ATAAATGGAAACTGTTGTATCATGCATGATGTACGTGGCAGCAGGAGTGAGAAAAAACAATAGCTTTCTCCTTACTACTA CTACTGCTACTTATTTTTTTAATGAAAGCCTGCATTATGAATGGTTGTTTTGGACTTAGGAGTGCAGAGTATTATTTTGT ACGGTTATATTTCTCTAAACACACCTGTACTCCCCGTTTATTTACACAGCTGTCTGCAAGAGAGTGAAATTTTTAGAAAG CCCACACAACACAACCCTCTTCGCCCCGCACAGGAGATGAGTTAAAGACGCTTTCAGACACTTCCGCTTCGTTAGTAAAT TATCGTTTCAATTCATATTTTGCGTAGGATGATGAGGAAACCTTACTGTTTATTCAGCATGATAATTATTTCGTATATCT TTCTTGTGGGTAGTAAAAAAGGGAAGGTAAGAACTAAACCATTCATTATTTGTTATTATTGCTGTTGAGAACTATGACTA TGAGAGATGGCTTAGGGAAGATGTGTGAAATGCGTCACTATATACTTTATTGAAGGTGTGACGGTACAGAGCGATTCAAA ATAAGAATTGAAGGAAATAACGATTAAGTGATATAAGTTTTCTCAGTTATTTTACTATTGTTTGTGAAGTACGCCTATTT GAATTGAATCCTCCGCTTGAAGGAAGATATTAACATTATGATACCTTCACTTCATCCTAAACTTACCTTATTGTATCGTC TTACTTTAAATGGATGGAAAGATGTTCATGCCTGATGTTTAAACGCTTTTGCATGTCACATCTGATTATATATGTATAAA TATATTTATATATATTCATGAACCGGAAGAAATAAATAGTAGCGCCGTCACTTTTGCTCTCTCAAATTATAAACATCGCT AGACATTCATAGTGCAGAGTTTATAATCTGAAGTGAACACCAACATTTGAATATTTTACTCATGCACTAATTTATTACAC ACTTCATAGCATCAGAAATCGAATAATACTCGAAGTATTTATTATTGCTTGCTGGAGGCACATAACCGGTAAAGCAGTAA ATATTATGCCTTGCAGTATTTTTATGAAACTGGAGTTTAATGAGTGTAGTGCCTAACAAATCCTTTAGTTATATCACACG CAATTCTTTTACCATTTAATTCTTCTTTTTTTATTTTTTCTTTGTTCCTCCTACTTGTCACTCAAACTTTGTACAAATGG TTTATCCATGAGGAAGTTTATTTAAGCTTTCAAAACATGCTTTGATGTTGTTATTTCTGTTGTTTTTTGATAGAGGCATC CGCGGCTAATTATCACTTCAGGCGTCAGATATTATGGAATTGAGAGTTTAATGTTGTCAGCTGTCGTGTTATGTATATAT ATATGCACAGAAACAAAATTACTTGTGAGGAAAGCTGCGTAATATTTCTTGATTTTTATTCTTCTACTTTTTAGAGAATA ATATAATGCATATATTTTGTTTGTGTTGTGCCTGATTTGTTACAATTACATTTCATCATTTCTACACACACACACATACT GAGTAAATATTGGAATGATTATGTTAAGAAGATGGCACATATGTGTGTTATGTACTTTTTGTAATTCAAGTGTGAGGGTG GCGAATTATAATATGTGGTAAATATTTGTATCATATATATTTGTGTTTTTATAAGTTTCAAATTTATTTATGTTTCTATT TTTGATTAATTTGTGCTTACATCACCAGTACCGTCCTTTACTGTTTCCCTGTTTGAAC	Tb1.NT.4	TBsRNA-1
>lcl|Tb927_07_v4:749919-750430 No definition line found TTAGCTGAATTTCATTGGTTTTTGGAGTTATCACATGATGTACGTGCTTGTAGCCGTGGCCATGTTGGCAATATTCTTCG CAGCTTTAGTGCTGTTTTTACGCGGTAAGTTATCTGCTGGATCAGTTGCCACGAGCAACGGTGGAATTGGCAGTGATTCT GGGCTGATGCCCGGTGAGTCAGTCACTACGAGAGTTCGTCGTGCTCGGAAGGAGGAATAACGATTATCATCCAACAGTGA ATATGAGCGGTTGGTGGCGCCTCAGGTGACACGGTTTGTTCGCAAGATTCGTGCCGCCGCGTTATTTGTTTCCGATTGAG CGCATATGCCGCAGTTAGGTAAATGTTCGGTTGGTGTTGCTGTGGATCTACTGATGTGATCTGTTGTTGTTGTGTTGTTT TTGAAGAACATTTTTTTAAATACCTTATATTTGTTTTTAATTCTCTCTTCCTTTTTTGTTACACTAATGTGGCCGTAAAG CATCCTTAATTAATATTTTGGTTGCCATTGTT	Tb7.NT.25 Tb7.NT.26	TBsRNA-14

>lcl|Tb927_07_v4:762590-763210 No definition line found AGCTGAATTTCATTGGTTTTTGGAGTTATCACATGATGTACGTGCTTGTAGCCGTGGCCATGTTGGCAATATTCTTCGCA GCTTTAGTGCTGTTTTTACGCGGTAAGTTATCTGCTGGATCAGTTGCCACGAGCAACGGTGGAATTGGCAGTGATTCTGG GCTGATGCCCGGTGAGTCAGTCACTACGAGAGTTCGTCGTGCTCGGAAGGAGGAATAACGATTATCATCCAACAGTGAAT ATGAGCGGTTGGTGGCGCCTCAGGTGACACGGTTTGTTCGCAAGATTCGTGCCGCCGCGTTATTTGTTTCCGATTGAGCG CATATGCCGCAGTTAGGTAAATGTTCGGTTGGTGTTGCTGTGGATCTACTGATGTGATCTGTTGTTGTTGTGTTGTTTTT GAAGAACATTTTTTTAAATACCTTATATTTGTTTTTAATTCTCTCTTCCTTTTTTGTTACACTAATGTGGCCGTAAAGCA TCCTTAATTAATATTTTGGTTGCCATTGTTAGGTGTCTCCGCAGTTATGTTTACTGTTGGTAATGAAACTATTCTTCTTA TTATTATTATTATTCTTTTTCTATCCCTTGGCCTTCACCATTATCTTTTTTTTCTTACTTT		
>lcl|Tb927_08_v4:1762415-1762818 No definition line found ACATTAGAACACACAATGGGGACCATCAGCCGCCCTGGAGGGATGCGGCCTAAGTGGCACAAGAAGCGCATAAAGCGCTT AAAGCGCCGACGACGACGCATGCGCCAGCGCTCCAAGTAAGCGCCCTGATGCATCGGTGAACATTCCTCGTGGTGCCGTT CAGTGCTCCTTTTTTGCGAGTTTCGCACGCCGAACTCCCGATCAACGAAACGCATGCACATGTGCGTGCAACCTATTTAT GGGTACGGAAACAAAGCATTTGATGTCTTCCCCCCTTTTTTCGTCGTCTAGTTACCTTTCCATTTTCTACTTCTAGAGT GGAAACAAGTGTCAATGTTTTCTTCCCCTTTGGAGGTATGCCTGTGCTATAATGTTCCTTTCTTATATTATTGTCTTGGC CCTC	Tb8.NT.93	TBsRNA-15
>lcl|Tb927_08_v4:1762963-1763379 No definition line found CATTAGAACACACAATGGGGACCATCAGCCGCCCTGGAGGGATGCGGCCCAAGTGGCACAAGAAGCGCATAAAGCGCTTA TBsRNA-16 AAGCGACGACGACGACGCATGCGCCAGCGCTCCAAGTAAGTGGACAGTCGAACCGCTGAACGATCCCGCGGTCGCGCGAA TCAGTGTCGCTCACTTGTCTTGTCGCGCATGGATTCGTGGCAGGGGAACAACCCAAGTGTGTATTCACCCTTATGATTTG TBsRNA-17 TTCCTTTTTTTTTTCTTCTGTTTTTGATACGCCGAGGAGCGGCCCTTTTTTCCCGTGTGGTTTGTTCTTTTGTTAGCGCT CTCCTTCAATACTGCGTGGTGTTCTGTTCACCGTACGGCAGTAAACCATCTCGGGGGCGGGGGGGGGGGTTCCCTTTTCC AAGGCTCACCTCACCAG	Tb8.NT.94	TBsRNA-16 TBsRNA-17
>lcl|Tb927_08_v4:1763474-1764050 No definition line found TCTAGTCAGAAGGTGAAGGATGGGGACCATCAGCCGCCCTGGAGGGATGCGGCCCAAGTGGCACAAGAAGCGCATAAAGC GCTTAAAGCGCCGACGACGACGCATGCGCCAGCGCTCCAAGTAAGCGCCCTGATGCATCGAAAAGAGGTGCAATAAAGCG CGCTGGCGGCCGCCTCGGCGCCCCGTTTTGTCCGATACCTGGTTCGTACTGAGCCATCTCGCGCCTTAATATTTTCTTT TGTTCTGGGAAGGCGTCTTAGGAGGGCATCCGATTGTACCGTTTCAGTGTTTTTGGCTGCTGCTTCTCCTCTACTACTAT GTTTTGTCTCCTTCAGTTTTTTCCCTCTCATTCTTTGCCTCCCTTTTTGCAGGCTCCTGCAATTGGAATGGCTACGAGGT TTTGGAAGAAGGTCAACTGCCAGAGGATGGGGGAAGAAGTCTAAAAGTAATCAGGGGAAAAGACAGCAGCAAAAAAAACA TAACGGAATGTCTGGGTGAGTTGAGGCCCCTCTCGGGTGCCCGCCAACGTCACTCTCTGGCTGTCTGCTTTTTTTTTGT TTCGATTCCTCGCCTAC	Tb8.NT.95	TBsRNA-18
>lcl|Tb927_10_v4:1823486-1824759 No definition line found AAAATACTTTTCTTAGAAAAGGATCGCTTGTAATGTTTCTGCCTGCTTTAACGCAAGAGCTCTAGACGTTCTTTTCTCCA TCGTTGTTTTTTAGAACGACACGTCTCCTCCGATGATTCAGAAGTCGGGAGTGAAGCTAAGTTATTTAAGTGTCAGGTAA GACAGGGACTATGGTAATAAAACTCAGATGACGGCAATATTGTAGCCGCTGCGGTTAATGTTTAGTCACCATGTACAAAT TCGTCGGCCCTCACATTCCTTTTGTTTCGATGGGGTTCGGAATTGCCCCTTTAACCGTACGCATCTGTATATGTGAATAC GCGTGGTTGGGCATGTGTGTATAGGTGCCGTTCTTTACGGTTGCGGTGGTGGTAATGGCAGACAAGGGTTGTATTTCCGG TACCGCTTGTTACCTTACAATACTGGCGGTTGCTTAGTACATCAACCCGAGATTATTTTCAGCTGAGCCCGCCTTTCCTT CGTGATTGCGATAACCACTTAATTTATTCCCCTCCTCTTACCCTTTCCATTTTTACACGAATATATGTGTTCATATGGAT ACAGATCCTCCTATTTAGTAATATTCTGATGAGTTTCTGTCCCCTAACCCTAACCCTAACCCTAACCCAAACGTCTGCTA CGCGGTGTGCTTCGTACGCATGTTGAATTCATGTTGGGATAGGAGTGGCACCACCAAAGCGGCGTGAGATGACATGCGTT TAACTCACCGATGTGACTACGGCACCCACTGAATTCTCTGAATCTCACTGGAGCTCCCCGGGCCGGCCGCAACTCCCTTT TTTCTTTTCCCTCCTTTTTGTTCTCTCTCTCTCTCTCCCATTCCCCCCTTTCCACACACGCTATACGTGGGCGTATTACT GTGGGCACTACTCAAAGCAGTGTTTCTGGGCGTTAGATGTCTTACAAATGGGCGTTCCATTTAATTTGTAGCTCCTAACG CAAGTAAACACTGCGAGATTTCAACGCGAATGGTGGATGAAAGCAGCACATTTGTGCAAACGTGATTTCCCTCCGTTGTA TGCGTTCAACAACTTTAAAGAGGTGTTTTGGTGACTTCCTCATTCTCTTGTGCGCATGCCTAATGTAACATCCCGTTATT TTTATTTTTTTTATTATTTTGAAGCAGCAGTCGATATCCGTTGCACGTCGCACGATCAGTTGAAGTTCATCTCTTAACTT TCCCTCTGAATTTGTCCGTGCGTTCTTCGCTCTCGTTTCTTTTATTTTGTGTATGTGTGTGTATACCCGAAGTG	Tb10.NT.77	TBsRNA-21
>lcl|Tb927_10_v4:3228053-3228620 No definition line found TCGCTCAAGTCATTCTTGGATTTCCCCCGGCGGAGAAAACTAGCGGTGCCATTCACGCTTGCACGCGCCCACAGCCTGCA GCGGTAAGCACTTTTTCTTTTAGCTCACATTCGGGGATAGAGGGTTCTTAGTCTAATTGGGCAAGAACAGAGAGGCTACA ATGGGTTTCTTCGACTCTGACCTCAGCTACCCCACGGTGCGCACAGAGCGCATGAAGCACAAGCGCCGTCGTCTTGTGCA GGGCCCCAATTCATATTTCATGGACGTCAAGTGCCCCGGATGCAAGAACATCACTGTGGTATACAGCCATGCCACGTCAG AGGTTAAGTGCAATGGTTGCGCTACCATGCTCTGCCGCCCCACTGGTGGTAAGGCAATCCTGGTAACTGGCTGCGGATTC CGCAAAAAACCAGATCATTAAGCAAAGGTACACGATGGGCTTTCACCGGATTGGCGTCGTGAAGCAGATGCTAAGCTATT TTCCCCTGGGATTGCAATGGAATGAAAAGCAAATATTTCGTTTTCTTTTTTTTTTTGCGTGCTCATAGCAACTCATCTAC GCCTCTTC	Tb10.NT.77	TBsRNA-22
>lcl|Tb927_06_v4:226530-226986 No definition line found GGTGCTCTGCCTTTTAATTTGTTGGATGAGCTATTTCATTAATTTTTTTGCCTTCTCTTCTTTTGGGTTCGAATAATAGT TCCTTCTAAACCTTCAGGCCAGAAATGGGAAACAAGTGTTAGACCGGCCAACTTGGGCGAAGGGGTCTGCATGTTGCTTT ATTTCATTGGTGGTTTTATGTGCAGTGTTTCCCTGCTTCAGATGGGCCCCGCAGCTGAAGTTGTTTCGCTGCCCTGCCCC CCACTGCTGCGTTGCTGCTGGAGAAACGATGTTGGAGGTTGACGGGTGTGTGCTTTTGAAGACTTTGTATGAATATGGAA GGAAGCTCGCAGCGGTTACTACAGGCAGTTAAGGGCTGAGTGCTGTGCCTTTTCTATTGCCTCTCCCCCTCTTGAGCTAT TCTTGTCGGGAGAGTGATTTATATATCCGAGTTTCGGTTAATTGTCCCTTAGGGATG	Tb6.NT.31 Tb10.NT.118	TBsRNA-23 TBsRNA-23

>lcl|Tb927_10_v4:2480293-2480653 No definition line found TTCCTTCTAAACCTTCAGGCCAGAAATGGGAAACAAGTGTTAGACCGGCCAACTTGGGCGAAGGGGTCTGCATTTTGCTT TATTTCATTGGTGGTTTTATGTGCAGTGTTTCCCTGCTTCAGATGGGCCCCGCAGCTGAAGTTGTTTCGCTGCCCTGCCC CCCACTGCTGCGTTGCTGCTGGAGAAACGATGTTGGAGGTTGACGGGTGTGTGCTTTTGAAGACTTTGTATGAATATGGA AGGAAGCTCGCAGCGGTTACTACAGGCAGTTAAGGGCTGAGTGCTGTGCCTTTTCTATTGCCTCTCCCCCTCTTGAGCTA TTCTTGTCGGGAGAGTGATTTATTTATCCGAGTTTCGGTTA		
>lcl|Tb927_11_01_v4:4133914-4134707 No definition line found TGGTTACGTATATATATATATATATATATATAGCACATTCCCCTCCCACAAGATCTATATATGTTGTGTTTTGGATTACT GTTTGGAATGCCTCCATGTGCGCTGCCGTGTTTACTTTGTTTGTGTACCTCCCCGTAGTTAGGCACTTTCTTGCCATGAC ATCATAGCAACTTGTTGCTGCATCCACCCACTGAGGTATAATTCAGATCCACATCCTTATTGCGTCAGCGCCTTCATTAA TTTGAGTAGTGGGAAGCTGCTGTATTAGTTGGGTGAGGGGATACGGATCTGTTTTCCGCTTTCCCTATTGTCATGTGAGT CACACAACTCACTTTGTCTTTTTCTCTACATCGCCACACTCTTCTATCTTTTTGGACCCCCTTTTTCGTATCCGGATTAA TTCGGTTTCTAATCCAAGACTTACCCATGTTATGGTTTTTGTTGGTTTGCTGACCGAAGAGAGTGAAGTGGTTATGCTGT GTGTGTCCGCTTTCATGTAGCTGTTGCTGTGCTTCTCTTGATACCCTTTGTACTTCATATATATATACGTGTTGTGTAAT TATTACTACTGCCGTCGGTGATACCGGTTAATGAACGCTCTTCCAAAATACGTGAATGTGCTTCTTTTTTCTAGTTTAAT TTCTTTTGTGATATTGTTCATGTTTTCGTAACCCCTGCTGTTACTTATAACGTGAACTTTGTGTCGCTCTCTCTATTGTC TGTCTCGTCAGTTCAATTCTTACTCGCAGTAACGTTTTTTCCCCTCCTTTTGGCTGCAGGCAAACAAGATTTTG >lcl|Tb927_11_01_v4:4140700-4141266 No definition line found TGGTTACGTATATATATATATATATATATATATAGCACATTCCCCTCCCACAAGATCTATATATGTTGTGTTTTGGAT TACTGTTTGGAATGCCTCCATGTGCGCTGCCGTGTTTACTTTGTTTGTGTACCTCCCCGTAGTTAGGCACTTTCTTGCCA TGACATCATAGCAACTTGTTGCTGCATCCACCCACTGAGGTATAATTCAGATCCACATCCTTATTGCGTCAGCGCCTTCA TTAATTTGAGTAGTGGGAAGCTGCTGTATTAGTTGGGTGAGGGGATACGGATCTGTTTTCCGCTTTCCCTATTGTCATGT GAGTCACACAACTCACTTTGTCTTTTTCTCTACATCGCCACACTCTTCTATCTTTTTGGACCCCCTTTTTCGTATCCGGA TTAATTCGGTTTCTAATCCAAGACTTACCCATGTTATGGTTTTTGTTGGTTTGCTGACCGAAGAGAGTGAAGTGGTTATG CTGTGTGTGTCCGCTTTCATGTAGCTGTTGCTGTGCTTCTCTTGATACCCTTTGTACTTCATATATATATACGTGTTGTG TAATTAT	Tb11.NT.195 Tb11.NT.197	TBsRNA-25 TBsRNA-25
>lcl|Tb927_11_01_v4:3893140-3893407 No definition line found TAAGCTTCGTAGGTTGAGTGTGCGGCGTATTTCAATGATAGAAATGATGGTTGTAAATGACCGATGTATTGGTAGGGAGT TTTAAAAAGTGTCAAACTTCTTGTAATTGCCATCCGTTGCCGTAAAGTTTCGTTTACTGGTTGTGGTGTGTTGGTGGCAG TCAGAAGAAGTGAGATGTAAATTTGTTTTTGTATTTGATATATCTGTAACTTATAGCTGATCTTACTTTGTCGTAGGCAC TTCTATGTCGGATCTTTCGTTGTCCTGT	Tb11.NT.185	TBsRNA-26

S-12. Summary of novel sRNAs found in the Kolev *et al.* 2010 dataset.
Comparison between the novel sRNAs identified in this study and the non-coding RNAs identified in Kolev *et al.* 2010, revealed several sRNAs that are present in these polyadenylated transcripts. Each sRNA is listed with its TB-sRNA identifier along with the its corresponding identifier and sequence from the Kolev *et al.* 2010 dataset. The sequence of each sRNA is highlighted within the novel transcript.