

Supplementary

Fig. 3A (ITS)

1	11	21	31	41	51]
12353MDclonADE	CATTAATGAATTAAAAACAAACATGGTTGTCGCTGGCCTGTATGGCATGTGCACGCC					
12353MDclonBCF	CATTAATGAATTAAAAACAAACATGGTTGTCGCTGGCCTGTATGGCATGTGCACGCC					
15939TFC	CATTAATGAATTAAAAACAAACAGGGTTGTCGCTGGCCTGTATGGCATGTGCACGCC					
[61 71 81 91 101 111]						
12353MDclonADE	TTAAATTCCACACACCTCTGTGCAACCATTCAAGGTTGGCTCGTTGATAACGGTTG					
12353MDclonBCF	TTAAATTCCACACACCTCTGTGCAACCATTCAAGGTTGGCTCGTTGATAACGGTTG					
15939TFC	TTAAATTCCACACACCTCTGTGCAACCATTCAAGGTTGGCTCGTTGATAACGGTTG					
[121 131 141 151 161 171]						
12353MDclonADE	CTTTCTTCACTGGGAGCTG-CCGTAGAGAGTCTCTATGCATTTATTACAAACGTTT					
12353MDclonBCF	CTTTCTTCACTGGGAGCTG-CCGTAGAGAGTCTCTATGCATTTATTACAAACGTTT					
15939TFC	CTTTCTTCACTGGGAGCTG-CCGTAGAGAGTCTCTATGCATTTATTACAAACGTTT					
[181 191 201 211 221 231]						
12353MDclonADE	CAGTCTTGAAATGTACACCTGCGATATAAGCGATTTAAATACAACATTTCAGCAACGGATC					
12353MDclonBCF	CAGTCTTGAAATGTACACCTGCGATATAAGCGATTTAAATACAACATTTCAGCAACGGATC					
15939TFC	CAGTCTTGAAATGTACACCTGCGATATAAGCGATTTAAATACAACATTTCAGCAACGGATC					
[241 251 261 271 281 291]						
12353MDclonADE	TCTTGGCTCTCGCATCGATGAAGAACCGCAGCGAAATGCGATAAGTAATGTGAATTGCAGA					
12353MDclonBCF	TCTTGGCTCTCGCATCGATGAAGAACCGCAGCGAAATGCGATAAGTAATGTGAATTGCAGA					
15939TFC	TCTTGGCTCTCGCATCGATGAAGAACCGCAGCGAAATGCGATAAGTAATGTGAATTGCAGA					
[301 311 321 331 341 351]						
12353MDclonADE	ATTCA GTGAATCATCGAATTTGAACGCACCTTGCCTCTGGTATTCCGAGGAGCAT					
12353MDclonBCF	ATTCA GTGAATCATCGAATTTGAACGCACCTTGCCTCTGGTATTCCGAGGAGCAT					
15939TFC	ATTCA GTGAATCATCGAATTTGAACGCACCTTGCCTCTGGTATTCCGAGGAGCAT					
[361 371 381 391 401 411]						
12353MDclonADE	GCCTGTTGAGTGTATGAAATCCTCAGCTCCCCCTGATTTCTTTGGGGGAAGCTGG					
12353MDclonBCF	GCCTGTTGAGTGTATGAAATCCTCAGCTCCCCCTGATTTCTTTGGGGGAAGCTGG					
15939TFC	GCCTGTTGAGTGTATGAAATCCTCAGCTCCCCGGATTTCTTCTGGGGGAAGCTGG					
[421 431 441 451 461 471]						
12353MDclonADE	ACTTGGAGGTCTGCAGGTTCAATTCAAGTTGAATCAGCTCCTCTAAATATATTAGTGTG					
12353MDclonBCF	ACTTGGAGGTCTGCAGGTTCAATTCAAGTTGAATCAGCTCCTCTAAATATATTAGTGTG					
15939TFC	ACTTGGAGGTCTGCAGGTTCAATTCAAGTTGAATCAGCTCCTCTAAATGCAATTAGTGTG					
[481 491 501 511 521 531]						
12353MDclonADE	GATGTTACCAAAACGTTCTCCAGTGTGATAATTATCTGCCTGCTGTGACTTTGGTATA					
12353MDclonBCF	GATGTTACCAAAACGTTCTCCAGTGTGATAATTATCTGCCTGCTGTGACTTTGGTATA					
15939TFC	AATGTTGCCAAACGTTCTCCAGTGTGATAATTATCTGCCTGCTGTGACTTTGGTATA					
[541 551 561 571 581 591]						
12353MDclonADE	AATCGTTCATGCTTCAAACCGTTCTCCAGTGTGATAATTATCTGCCTGCTGTGACTTTGGTATA					
12353MDclonBCF	AATCGCTCATGCTTCAAACCGTTCTCCAGTGTGATAATTATCTGCCTGCTGTGACTTTGGTATA					
15939TFC	AATCGTTCATGCTTCAAACCGTTCTCCAGTGTGATAATTATCTGCCTGCTGTGACTTTGGTATA					
[601 611 621 631 641]						
12353MDclonADE	TCAAATCAGGTAGGACTACCCGCTGAACCTAACGATATCAATAA					
12353MDclonBCF	TCAAATCAGGTAGGACTACCCGCTGAACCTAACGATATCAATAA					
15939TFC	TCAAATCAGGTAGGACTACCCGCTGAACCTAACGATATCAATAA					

Supplementary

Fig. 3B (IGS)

[	1	11	21	31	41	51]
[]
12353MD	GTTGGTCCCGCACATATAAGTTGTAAAATAGAGCTTGCTCGTAACCAAATCAGGT						
15939TFCMic	GTTGGTCCCGCACATATAAGTTGTAAAATAGAGCTTGCTCGTAACCAAATCAGGT						
[	61	71	81	91	101	111]
[]
12353MD	GGGCTGGGCCATTGAGCGGAAATGCTGAGGTGGTTGTCTACGAATTGAAATTATCATA						
15939TFCMic	GGGCTGGGCCATTGAGCGGAAATGCTTAGGTGGTTGCCTACGAATTGAAATTATCATA						
[	121	131	141	151	161	171]
[]
12353MD	TGCGCGGGGGTGAATCCTTGCAAGACGACTTGAATGGAACGGGGTACTGTAAGCAGTAG						
15939TFCMic	TGCGCGGGGGTGAATCCTTGCAAGACGACTTGAATGGAACGGGGTACTGTAAGCAGTAG						
[	181	191	201	211	221	231]
[]
12353MD	AGTAGCCTTGTGCTACGATCTGCTGAGGTTAACGCCCTGTTCTATAGATTGTTCAACT						
15939TFCMic	AGTAGCCTTGTGCTACGATCTGCTGAGGTTAACGCCCTGTTCTATAGATTGTTCACT						
[	241	251	261	271	281	291]
[]
12353MD	TTTGTGAACGCTTCTTTCTT-TTTCTTTCTTCCATGGTGCAACTTCAGGGCCGG						
15939TFCMic	TTTGTGAACGCTTCTTTCTTCTTCTTCCATGGTGCAACTTCAGGGCCGG						
[	301	311	321	331	341	351]
[]
12353MD	TCCATTGAACTTGGTCT-CTGGTTACAATGCAAAGGCTGGGGCGAAGAGATTGAACGA						
15939TFCMic	CCCATTGGACTTGGTCTACTGGTTACAATGCAAAGGCTGGTGCAGAGAGATTGAATGG						
[	361	371	381	391	401	411]
[]
12353MD	TGGTTTCTTTCTTTCTTGTGTTCAAAAAGCCAGCGGGGATAAGGCATATAGGCGGG						
15939TFCMic	TGGTTTCTTTCTTTCTTGTGTTCAAAAAGCCAGAGGGGATGAGGCATATAGGCGTG						

Supplementary
Fig. 3C (RPB2)

	1	11	21	31	41	51	
12353MD	CTTGTCACTTATGGCATGTATTCTGCGGCTCCAAC]
15810TFCMic	CTTGTGCTTATGGCATGTATTCTGCGGCTCCAATT]
[	61	71	81	91	101	111]
12353MD	AGAGGAGTGGGGCTGGAGTCGTTGGAGGAGAATGCT	CATGCCACAACGCC	TTGTACGAA]
15810TFCMic	GGAGGAATGGGGCTGGAGTCGTTGGAGGAGAATGCT	CATGCCACAACGCC	TTGTACGAA]
[	121	131	141	151	161	171]
12353MD	GGTATTCGTCAACGGCGTGTGGATGGGTGTACACC	GCGACCC	CTGCCAAC	TTGGTGAAGAC]
15810TFCMic	GGTATTCGTTAACGGCGTGTGGATGGGTGTCCACC	GCGTGA	TCTGCCAA	CTGGTAAAGAC]
[	181	191	201	211	221	231]
12353MD	TTTGAGGAAACTTCGTCGGAAGGACGATATCAGTC	CCTGAAG	TTCTGTG	CGTCCGTGATAT]
15810TFCMic	TCTGAGGAAACTTCGTCGGAAGGACGATATTAGTC	CCCAG	TTCTGTG	CGTCCGTGATAT]
[	241	251	261	271	281	291]
12353MD	TCGAGAACGAGAGTTGCGGCTATATAACCGACG	CAGGAC	CGCGTTGCCGACC	ACTCTTTAT]
15810TFCMic	TCGAGAACGAGAAC	TGCGGCTATATAACCGACG	CAGGAC	CGCGTTGCCGACC	GCTCTTTAT]
[	301	311	321	331	341	351]
12353MD	CGTCGAGGACCAGCAGCTTACGATCCGCAAGGGC	GCACATCCGGCA	ACTCCAAGCGAAAAT]
15810TFCMic	TGTCGAGGACCAGCAGCTTACGATCCGCAAGGGC	ATATCCGGCA	ACTCCAAGCGAAAAT]
[	361	371	381	391	401	411]
12353MD	GGACGAACCGGAGAATCCTGCTATTCTGGATT	TCGGCTGGGATGAGCT	CATAAAGGCTGG]
15810TFCMic	GGACGAACCGGAGAATCCTGCTATTCTGGATT	TCGGCTGGGATGAGCT	CATAAAAGGCTGG]
[	421	431	441	451	461	471]
12353MD	TGTTATTGAGCTGGACGCCGAAGAGGAGGAGAC	GGTCATGATATGT	TGACTCCTGA]
15810TFCMic	TGTCATTGAGCTGGACGCCGAAGAGGAGGAGAC	GGTCATGATATGT	TGACTCCTGA]
[	481	491	501	511	521	531]
12353MD	CGACTTGGAGAACTCGCGATTACAGTCTAGTGG	AGTTGACCCGT	ATGCTGATACGGGTGA]
15810TFCMic	CGACTTGGAGAACTCGAGGTTACAGTCTAGTGG	AGTTGACCCGT	ATGCTGATACGGGTGA]
[	541	551	561	571	581	591]
12353MD	TTTCGATCCTGCCGGAGATTGAAGGCTGGTACCA	AATACCCATAC	GTGGACACATTGTGA]
15810TFCMic	TTTCGATCCCGCGGAAGGTTGAAGCCTGGTACCA	AATACCCATAC	GTGGACACATTGTGA]
[	601	611	621	631	641]
12353MD	GATTCACCCAGCATGATATTGGGTGTTGCGC	GAGTATTATT]
15810TFCMic	GATTCACCCCTAGCATGATATTGGGTGTTGCGC	GAGTATCATC]

Supplementary
Fig. 3D (EF1- α)

[	1	11	21	31	41	51]
12353MD	CAGAACATGATCACTGGTACCTCTCAGGCTGATTGCGCTATCCTCATCATGCCGCCGGT						
15939TFCMic	CAGAACATGATCACTGGTACATCTCAGGCCGATTGCGCTATCCTCATCATGCCGCCGGT						
[	61	71	81	91	101	111]
12353MD	ACCGGTGAGTTGAGGCTGGTATCTCAAGGACGGCCAGACTCGCGAGCACGCTCTCCTC						
15939TFCMic	ACCGGTGAGTTGAGGCTGGTATCTCAAGGACGGCCAGACTCGCGAGCATGCTCTCCTC						
[	121	131	141	151	161	171]
12353MD	GCCTTCACCTTGGTGTAGGCAGCTCATCGTTGCCATTATAAGATGGATACCACAAA						
15939TFCMic	GCCTTCACCCCTTGGTGTAGGCAGCTCATGGTGCATCAACAAGATGGATACCACAAA						
[	181	191	201	211	221	231]
12353MD	GTCCGTTGAGAATTCTCATTTGACCTGATTCTTGACAAATGCCAGTGGAGTGAGG						
15939TFCMic	GTCCGTTGCGA-AATCTTCAATTGACCTGATTACTGACAAATGCCAGTGGAGTGAGG						
[	241	251	261	271	281	291]
12353MD	ACCGCTTCAACGAAATCGTAAGGAAACCTTACCTTACATCAAGAAGGTCGGTTACAACC						
15939TFCMic	ACCGCTTCAACGAAATCGTAAGGAAACCTTACCTTACATCAAGAAGGTCGGTTACAACC						
[	301	311	321	331	341	351]
12353MD	CCAAGGCCGTTGGTTTGTCCCCATCTCTGGCTGGCACGGTGATAACATGTTGGAGGAGT						
15939TFCMic	CCAAGGCCGTTGGTTTGTCCCCATCTCTGGCTGGCACGGTGATAACATGTTGGAGGAGT						
[	361	371	381	391	401	411]
12353MD	CCGCCAAGTTCGTAGTGCCTTTCTTCTTGTATTGATCGGCCCTAACCGACTGGCACAAA						
15939TFCMic	CCGCCAAGTTCGTAGTGCCTTTCTTCTTGTATTGATCGGCCCTAACCGACTGGCACAAA						
[	421	431	441	451	461	471]
12353MD	CAGCATGACATGGTATAAGGGCTGGACCAAGGAGAACAAAGAGCGGTGTTGTCAAGGGCAA						
15939TFCMic	CAGCATGACATGGTATAAGGGGTTGGACCAAGGAGAACAAAGGCCGGTGTCAAGGGCAA						
[	481	491	501	511	521	531]
12353MD	GACCCCTCTCGATGCTATTGATGCCATCGAACCTCCAGTCGTCCCTCGGACAAACCTCT						
15939TFCMic	GACCCCTCTCGATGCTATTGATGCCATTGAAACCTCCAGTCGTCCCTCGGACAAACCTCT						
[	541	551	561	571	581	591]
12353MD	CCGTCTCCCTCTCCAGGATGTTACAAGATTGGTGTATTGGACGGTCCCCGTTGGTCG						
15939TFCMic	CCGTCTCCCTCTCCAGGATGTCACAAGATTGGTGTATTGGACGGTCCCCGTCGGTCG						
[	601	611	621	631	641	651]
12353MD	TGTCGAACACTGGTATCATTAAGTCTGGCATGGTCGTACCTTCGCTCCCACCAACGTAC						
15939TFCMic	TGTCGAGACAGGTATCATTAAGTCTGGTATGGTCGTACCTTCGCTCCCACCAACGTAC						
[	661	671	681	691	701	711]
12353MD	CACCGAAGTCAGTCCGTGAGATGCACCAAGGAGCAGCTTGAGCAGGGTGTCCCAGGTGA						
15939TFCMic	CACCGAAGTCAGTCCGTGAGATGCATCACAGAGCAGCTTGAAACAGGGTGTCCCAGGTGA						
[	721]					
12353MD	CAA						
15939TFCMic	CAA						