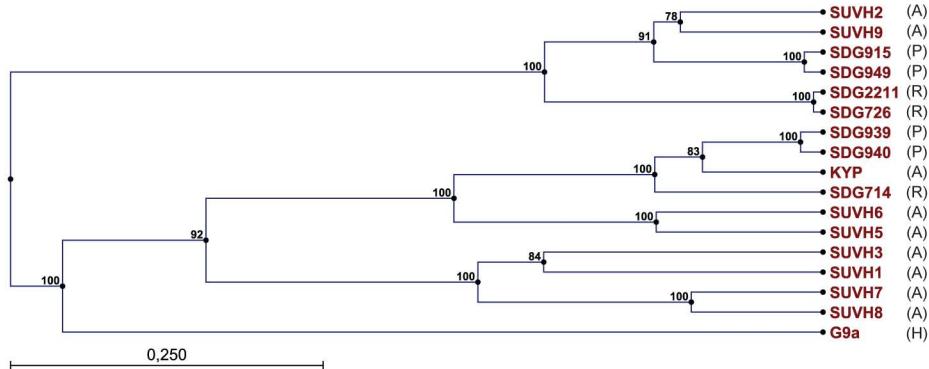


Figure S1

A



B

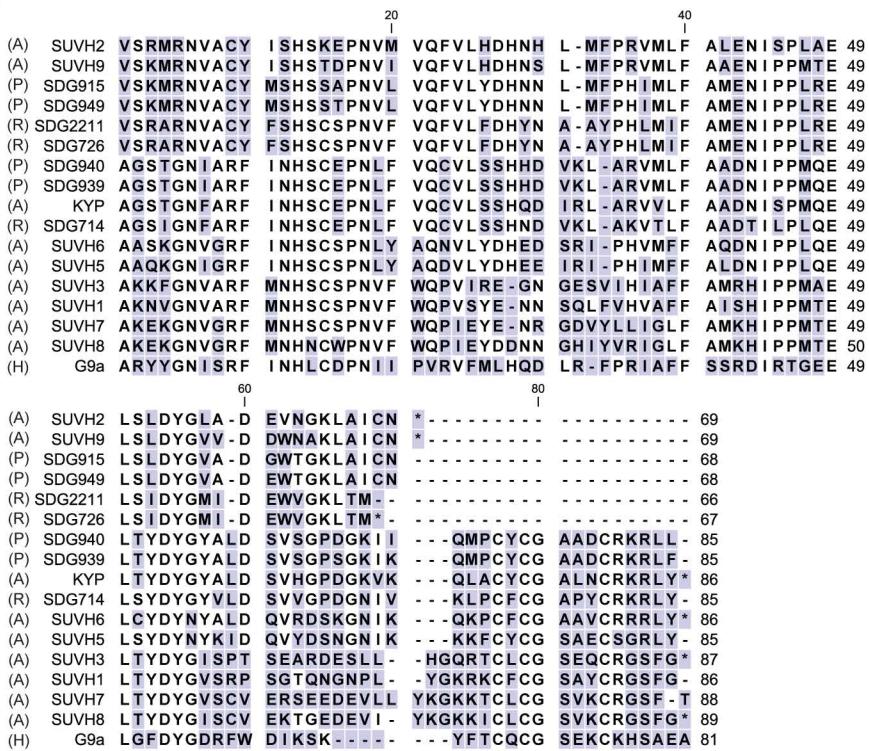
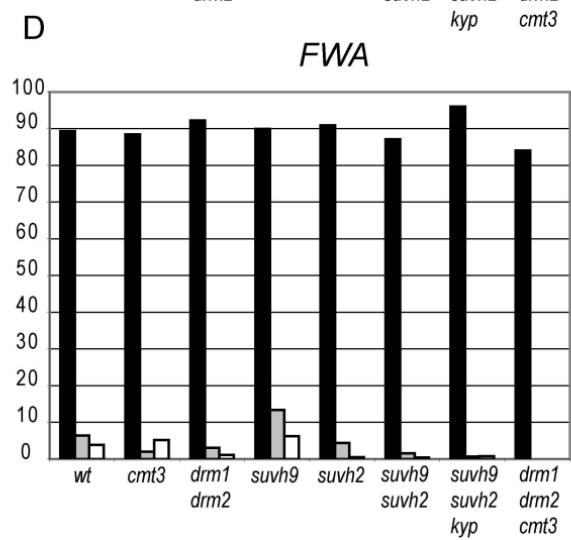
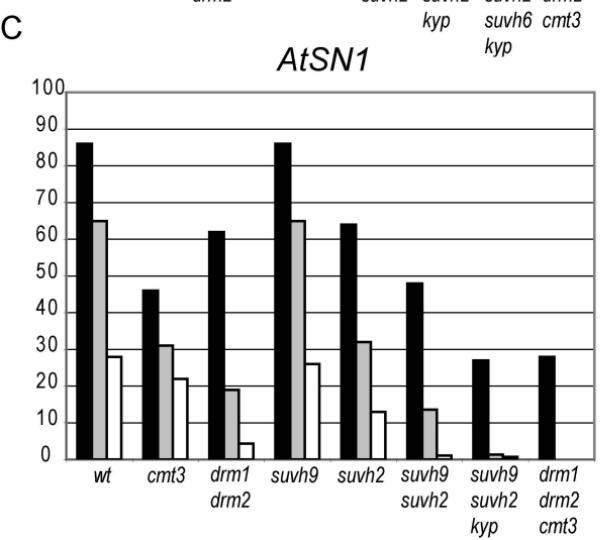
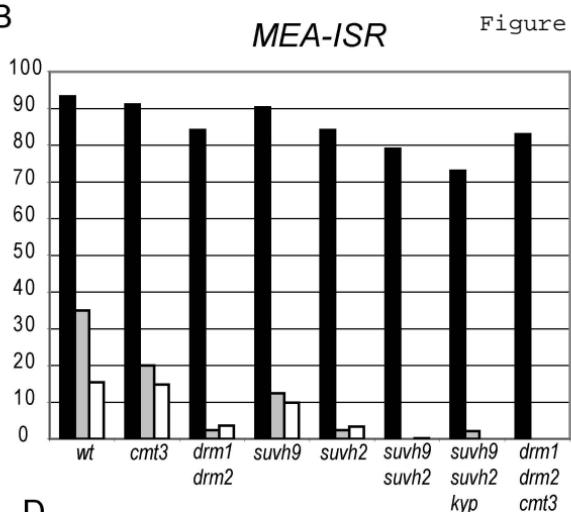
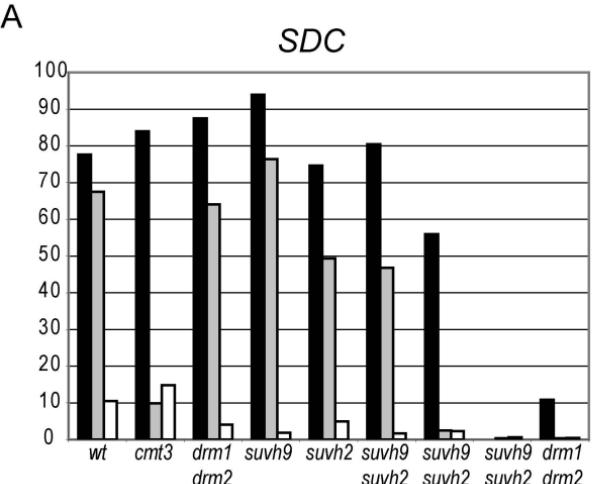


Figure S2



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AtSN1 Col-2.ab1	GAATATCTGG AAGTTCAAGGT TCAAAGGCCTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-3.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-4.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-5.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-6.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-7.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-8.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-9.ab1	GAATATTTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-10.ab1	GAATATTTGG AAGTTCAAGGT TTAAAGGCTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-11.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-12.ab1	GAATATCTGG AGGTTCAAGGCGAACAGGCC TATATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-13.ab1	GAATATTTGG AAGTTCAAGGT TCAAGGCTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-14.ab1	GAATATCTGG AAGTTCAAGGCGAACAGGCC TACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-15.ab1	GAATATTTGG AAGTTCAAGGCGAACAGGCC TACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-16.ab1	GAATATTTGG AAGTTCAAGGCGAACAGGCC TACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-17.ab1	GAATATTTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-18.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-19.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
AtSN1 Col-20.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTTACATCTGG AGAGGCCGGAGTCAGCAG AAATTCTATCT GGTGGAGA 80			
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AtSN1 Col-1.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAT GTTGGT 156			
AtSN1 Col-2.ab1	AGACATCTGG TTAATGTGT TTAGAAATTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAT GTTGGT 156			
AtSN1 Col-3.ab1	AGACATCTGG CCCAACCGTGT CGCAATCTCA GTATTTTATCTGAGAGATT TACACACTGGG CAAACAAACAC GTTGGT 156			
AtSN1 Col-4.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
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AtSN1 Col-6.ab1	AGACATTTTT TTCACAGTGT CTGAAATTCA GCACCTCTATCTGAGAGATT TACACACTGGG CAAACAAACAC GTTGGT 156			
AtSN1 Col-7.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-8.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-9.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-10.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-11.ab1	AGACATCTGG CCCAACCGTGT CGCAATCTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-12.ab1	AGACATCTGG CCCAACCGTGT CGCAATCTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-13.ab1	AGACATCTGG CCCAACCGTGT CGCAATCTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TCAATAATAT GTTGGT 156			
AtSN1 Col-14.ab1	AGACATCTGG TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TACACACTGGG CAAACAAACAT GTTGGT 156			
AtSN1 Col-15.ab1	AGACATCTGG TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-16.ab1	AGACATCTGG CCCAACCGTGT CGCAATCTCA GTACCTCTATCTGAGAGATT TATTAACCTGGG CAAACAAACAT GTTGGT 156			
AtSN1 Col-17.ab1	AGACATCTGG CCCAACCGTGT CGCAATCTCA GTACCTCTATCTGAGAGATT TATTAACCTGGG CAAACAAACAT GTTGGT 156			
AtSN1 Col-18.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-19.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAC GTTGGT 156			
AtSN1 Col-20.ab1	AGACATTTTT TTAACGTTGTTTCA GTATTTTATCTGAGAGATT TATTAACCTGGG TAAATAATAT GTTGGT 156			

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AtSN1 drm1,2-2.ab1				
AtSN1 drm1,2-3.ab1				
AtSN1 drm1,2-4.ab1				
AtSN1 drm1,2-5.ab1				
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AtSN1 drm1,2-10.ab1				
AtSN1 drm1,2-11.ab1				
AtSN1 drm1,2-12.ab1				
AtSN1 drm1,2-13.ab1				
AtSN1 drm1,2-14.ab1				
AtSN1 drm1,2-15.ab1				
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AtSN1 drm1,2-20.ab1				
AtSN1 drm1,2-21.ab1				
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AtSN1 drm1,2-3.ab1				
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AtSN1 drm1,2-10.ab1				
AtSN1 drm1,2-11.ab1				
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AtSN1 drm1,2-19.ab1				
AtSN1 drm1,2-20.ab1				
AtSN1 drm1,2-21.ab1				

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AtSN1 cmt3-2.ab1	GAATATCTGG AAGTCAGGT CGAAAGGCCCT TACATCTCCAG AGAGGTGGGA CTATACAGAG AAATTCTAT-T TTTTGGAAA	79		
AtSN1 cmt3-3.ab1	GAATATCTGG AAGTCAGGC CGAAAGGCCCT TACAICCTAG AGAGGCAGA CCGATACCGAG AAATTCTATCT TCTGGGGAGA	80		
AtSN1 cmt3-4.ab1	GAATATCTGG AAGTCAGGC CGAAAGGCCCT TACAATTTTT AGAGGCAGA TTATATTTAG AGATTCTATCT TCTGGGGAGA	80		
AtSN1 cmt3-5.ab1	GAATATTTGG AA-CCCGGGGT TIAAAGGTT TATTTTTTT AGAGGCAGA TTATATTTAG AGAGGTGGGA TTCTATTTAG AATCTA-C TTTTGGAAA	78		
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AtSN1 cmt3-7.ab1	GAATATTTGG AAGTTAGGT CTAAAGCTTT TATATTTTT AGAGGTGGGA TTATATTTAG AAATTCTATTT TTTTGGAAA	80		
AtSN1 cmt3-8.ab1	GAATATTTGG AAGTTAGGT TIAAAGGCTT TAIATTTTT AGAGGCAGA TTATATTTAG AAATTCTATCT TTTTGGAAA	80		
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	100	120	140	
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AtSN1 cmt3-2.ab1	AGACATCCTT CCCAAATGTGT CTGGAATCCA GCACCTCTAT CTGAGAGATT TACCATCTGGG CAAACAAACAT GTTGGT	155		
AtSN1 cmt3-3.ab1	AGAGATCCTT CCCAAATGTGT CTGGAATCCA GCACCTCTAT CTGAGAGATT TACCATCTGGG CAAACAAACAG GTTGGT	156		
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AtSN1 cmt3-6.ab1	AGAGATTTTT TTTAATGTGT TTTGAATCCA GTATTTTTAT TTGAGAGATT TATTAATGGG TAAACAAATAT GCTGGT	156		
AtSN1 cmt3-7.ab1	AGAGATTTTT TTTAATGTGT TTTGAATCCA GTATTTTTAT TTGAGAGATT TATTAATGGG TAAATTAATAT GTTGGT	156		
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AtSN1 cmt3-11.ab1	GAAGTTTTTT TTAAATGGTT TIAAGATTTG GTATTTTT-T TTGAGAGAAAT TTGTGTCTGGA TAAAAACTAG GTACAG	154		
AtSN1 cmt3-12.ab1	AGACATTTTT TTTAACGIGI TTTGAATTAA GTATTTTTAT TTGAGAGATT TATTAATGGG TAAATTAATAT GTTGGT	155		
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AtSN1 2-2.ab1	GA-TATCTGG AAGTTCAAGGT CGAAAGGTCT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		79
AtSN1 2-3.ab1	GAATATCTGG AAGTTCAAGGT TIAAAGGTTT	TATAATTTTG AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-4.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-5.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTCT	TACATCTCCC AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-6.ab1	GAATATCTGG AAGTTCAAGGT TCAAAAGGCCT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-7.ab1	GAATATTTGG AAGTTCAAGGT CGAAAGGCCT	TACATCTCCC AGAGGCAGGA CCCATATTAG AAATTCTATCT TTTTGGAAA		80
AtSN1 2-8.ab1	GAATATTTGG AAGTTCAAGGT TCAAAAGGTCT	TACATCTCCC AGAGGCAGGA CCCATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-9.ab1	GAATATTTGG AAGTTCAAGGT TTAAAGGCCT	TACATCTCCC AGAGGCAGGA CCCATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-10.ab1	GAATATTTGG AAGTTCAAGGT TIAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-11.ab1	GAATATTTGG AAGTTCAAGGT TTAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-12.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-13.ab1	GAATATTTGG A - GTTTGGG CTAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		78
AtSN1 2-14.ab1	GAATATCTGG AAGTTCAAGGT TTAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-15.ab1	GAATATTTGG AAGTTCAAGGT TIAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-16.ab1	GAATATTTGG AAGTTCAAGGT TTAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
AtSN1 2-17.ab1	GAATATTTGG AAGTTCAAGGT TTAAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		79
AtSN1 2-18.ab1	GAATATTTGG AAGTTCAAGGT CTAAGGTTT	TATATTTTT AGAGGCAGGA TTTATATTAG AAATTAACTT TTTTGGAAA		80
	100	120	140	
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AtSN1 2-1.ab1	AGAGATTTTT TTTAACGCTGT TTGAATTTA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-2.ab1	AGACATTCCT TTTAACGCTGT TTGAATTTA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		155
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AtSN1 2-4.ab1	AGACATTTTT TTTAACGCTGT TTGAATTTA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-5.ab1	AGAGATTTTT TTCACACGIGT CTGAAATCCA GCACCTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-6.ab1	AGAGATTTTT TTTAACGCTGT TTGAATTTA GTACTTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-7.ab1	AGACATTCCT CCCAACGIGT CTCGAATCCA GCACCTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-8.ab1	AGAGATTTTT TTTAACGCTGT TTGAATTTA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-9.ab1	AGACATTTTT TTCAATGTGT TTGAATTTA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
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AtSN1 2-11.ab1	AGAGATTTTT TTTAACGCTGT TTGAATTTA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-12.ab1	AGACATTTTT TTTAACGCTGT TTGAATTTA GIAATCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
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AtSN1 2-14.ab1	AGACATTTTT TTCAATGTGT TTGAATTTA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-15.ab1	AGAGATTTTT TTTAACGCTGT TTGAATTCA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-16.ab1	AGACATTTTT TTTAACGCTGT TTGAATTCA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156
AtSN1 2-17.ab1	AGAGATTTTT TTTAACGCTGT TTGAATTCA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		155
AtSN1 2-18.ab1	AGACATTTTT TTTAACGCTGT TTGAATTCA GTATTTCTAT	CTGAGAGATT TATTATTTGG TTAATAATAC GTTGGT		156

	20	40	60	80					
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AtSN1 9-2.ab1	GAGT AT TTGG	AAGTT AGGT	TTAAAGG TTT	TATATT TTT	AGAGGT GGGA	TTT TATTTAG	AAATT CATCT	TTTT GGAAA	80
AtSN1 9-3.ab1	GAAT AT TTGG	AAGTT CAGG T	CGAA AGGCC	TACAT CTCCC	AGAGGC GGGA	T TATATTAG	AAATT CATCT	TTTT GGAAA	80
AtSN1 9-4.ab1	GAAT AT CTGG	AAGTT AGGT	TTAAAGG TTT	TATATT TTT	AGAGGT GGGA	T TATATTAG	AAATT TATTT	TTTT GGAAA	80
AtSN1 9-5.ab1	GAAT AT CTGG	AAGTT AGGT	TTAAAGG TTT	TATATT TTT	AGAGGC GGGA	T TATATTAG	AAATT TATTT	TTTT GGAAA	79
AtSN1 9-6.ab1	GAAT AT CTGG	AAGTT CAGGT	CGAA AGGCC	TACAT CTCCC	AGAGGC GGGA	CCTAT ATCAG	AAATT CATCT	TCTTT GGAAA	80
AtSN1 9-7.ab1	GAAT AT CTGG	AAGTT CAGGG	CGAA AGGCC	TACAT CTCCC	AGAGGC GGGA	CCTAT ATCAG	AAATT CATCT	TCTTT GGAAA	80
AtSN1 9-8.ab1	GAAT AT CTGG	AAGTT CAGG C	CGAA AGGCC	TACAT CTCCC	AGAGGC GGGA	T TATACTAG	AAATT CATCT	TTTT GGAAA	80
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AtSN1 9-13.ab1	GAAT AT CTGG	AAGTT AGGT	TTAAAGG TTT	TATATT TTT	AGGGGC GGGA	T TATATTAG	AAATT TATTT	TTTT GGAAA	80
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AtSN1 9-15.ab1	GAAT AT CTGG	AAGGT CAGG C	CGCA AGGCC	T CC TTCT	CGAGGC GGGA	T TCAATATCAG	AAATT TATTT	TCTTT GGAAA	80
AtSN1 9-16.ab1	GAAT AT CTGG	AAGTT CAGGC	CGAA AGGCC	TACAT CTCCC	AGAGGC GGGA	T TCATATCAG	AAATT TATTT	TCTTT GGAAA	80
AtSN1 9-17.ab1	GAAT AT CTGG	AAGTT AGGT	TTAAAGG TTT	TATATT TTT	AGGGGC GGGA	T TATATTAG	AAATT TATTT	TTTT GGAAA	80
AtSN1 9-18.ab1	GAAT AT CTGG	AAGTT AGGT	TTAAAGG TTT	TATATT TTT	AGGGGC GGGA	T TATATTAG	AAATT TATTT	TTTT GGAAA	80
	100	120	140						
AtSN1 unconverted	AGACAT CCCT	CCCAAC GTG G	CTCGA ACCCA	GCACCT CCAC	CTGGGAGATT	TACCA ACT GGG	CCAACA AACAC	GTT GGT	156
AtSN1 9-1.ab1	AGAGAT TTTT	TTAACCGTGT	TTCGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATTA TT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-2.ab1	AGACAT TTTT	TTAACCGTGT	TTCGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATTA TT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-3.ab1	AGAGAT TTCT	CCCAAC GTG T	CTCGA ATCCA	GCACCT CTAT	CTGAGAGATT	TATCA CT GGG	CCAACA AACAC	GTT GGT	156
AtSN1 9-4.ab1	AGACAT TTTT	TTAACCGTGT	TTCGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATTA TT GGG	TAAATA ATAT	GTT GGT	156
AtSN1 9-5.ab1	AGAGAT TTTT	TTAACCGTGT	TTCGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATTA TT GGG	TAAATA ATAC	GTT GGT	155
AtSN1 9-6.ab1	AGACAT CTTT	CCCAAC GTG T	CTCGA ATT CCA	GCACCT CTAT	CTGAGAGATT	TATCA CT GGG	TAAACA AACAC	GTT GGT	156
AtSN1 9-7.ab1	AGACAT CTTT	TCCAA CGTGT	CTCGA ATT CCA	GCACCT CTAT	CTGAGAGATT	TATCA CT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-8.ab1	AGACAT CTTT	CCCAAC GTGT	CTCGA ATT TA	GCACCT CTAT	CTGAGAGATT	TACCA ACT GGG	TCAACA ATAC	GTT GGT	156
AtSN1 9-9.ab1	AGACAT TTTT	TTCAA CGTGT	CTCGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATCA CT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-10.ab1	AGAGAT TTTT	TTAACCGTGT	TTCGA ATT TA	GTATTT CTGT	CTGAGAGATT	TATTA TT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-11.ab1	AGAGAT TTTT	TTAACCGTGT	TTTGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATTA TT GGG	TAAACA ATAT	GTT GGT	156
AtSN1 9-12.ab1	AGACAT CTTT	TTCAA CGG T	CTCGA ATT CCA	GCATTT CTAT	CTGAGAGATT	TATCA CT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-13.ab1	AGAGAT TTTT	TTAACCGTGT	TTTGA ATT TA	GCAGGTTT TAT	CTGAGAGATT	TATTA CT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-14.ab1	AGACAT TTTT	TTAACCGTGT	CTCGA ATT TA	GCACCT CTAT	CTGAGAGATT	TATCA CT GGG	TAAACA ATAC	GTT GGT	156
AtSN1 9-15.ab1	AGACAT CTTT	CCCAAC GTGT	CTCGA ATT TA	GCACCT CTAT	TTGAGAGATT	TATCA ACT GGG	TAAATA ATAC	GTT GGG	156
AtSN1 9-16.ab1	AGACAT CTTT	CCCAAC GTGT	CTCGA ATT TA	GCATTT CTAT	CTGAGAGATT	TATCA CT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-17.ab1	AGACAT CTTT	CCCAAC GTGT	CTCGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATTA TT GGG	TAAATA ATAC	GTT GGT	156
AtSN1 9-18.ab1	AGACAT TTTT	CCCAAC GTGT	CTCGA ATT TA	GTATTT TTAT	CTGAGAGATT	TATTA TT GGG	TAAATA ATAC	GTT GGT	156













260

meaisr	T	C	G	A	T	G	T	C	T	A	T	A	G
mea cmt3-1.ab1	T	T	A	A	A	T	T	C	G	G	T	A	G
mea cmt3-2.ab1	T	C	A	A	A	T	C	G	G	T	A	T	G
mea cmt3-3.ab1	T	T	A	A	A	T	C	G	G	T	A	T	G
mea cmt3-4.ab1	T	T	A	A	A	T	C	G	G	T	A	T	G
mea cmt3-5.ab1	T	T	C	A	A	A	T	T	T	T	A	T	G
mea cmt3-6.ab1	T	C	G	A	A	A	T	T	T	T	A	T	G
mea cmt3-7.ab1	T	C	G	A	A	A	T	T	T	T	A	T	G
mea cmt3-8.ab1	T	T	C	G	G	T	A	G	A	T	T	A	G
mea cmt3-9.ab1	T	T	T	A	A	A	T	C	G	G	T	A	G
mea cmt3-10.ab1	T	T	T	A	A	A	T	C	G	G	T	A	G
mea cmt3-11.ab1	T	C	G	A	A	A	T	T	T	T	A	T	G
mea cmt3-12.ab1	T	T	T	A	A	A	T	T	T	T	A	T	G
mea cmt3-13.ab1	T	T	T	A	A	A	T	T	T	T	A	T	G
mea cmt3-14.ab1	T	T	T	A	A	A	T	T	T	T	A	T	G
mea cmt3-15.ab1	T	C	G	A	A	A	T	T	T	T	A	T	G
mea cmt3-16.ab1	T	C	G	A	A	A	T	T	T	T	A	T	G
mea cmt3-17.ab1	T	T	C	G	G	T	A	G	A	T	T	A	G
mea cmt3-18.ab1	T	T	T	A	A	A	T	T	T	T	A	T	G
mea cmt3-19.ab1	T	C	G	A	A	A	T	T	T	T	A	T	G
mea cmt3-20.ab1	T	T	T	A	A	A	T	T	T	T	A	T	G



	260	
meaisr	T C G A A A A T T C C	GG T T A G A T T T
mea 2-1.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-2.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-3.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-4.ab1	T C G A A A A T T C C	GG T T A G A T T T
mea 2-5.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-6.ab1	T T C A A A A T T C	GG T T A G A T T T
mea 2-7.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-8.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-9.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-10.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-11.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-12.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-13.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-14.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-15.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-16.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-17.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-18.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-19.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-20.ab1	T T T A A A A T T C	GG T T A G A T T T
mea 2-21.ab1	T T T A A A A T T C	GG T T A G A T T T





260

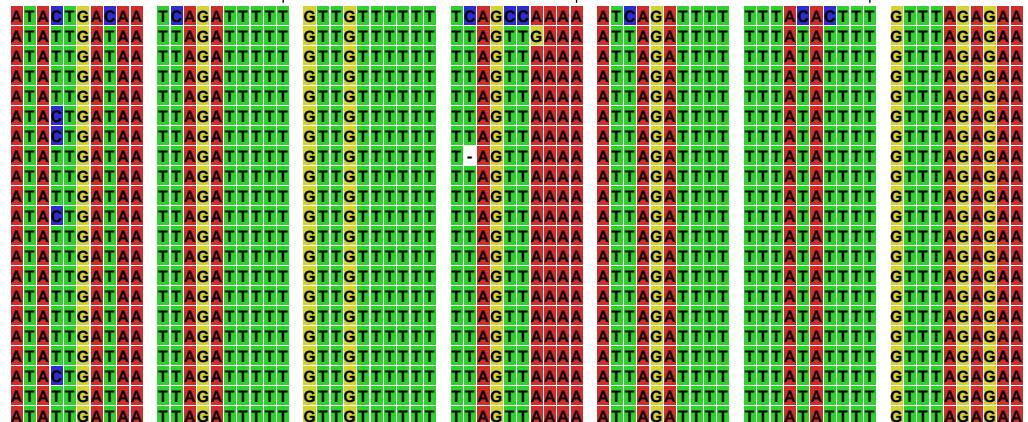
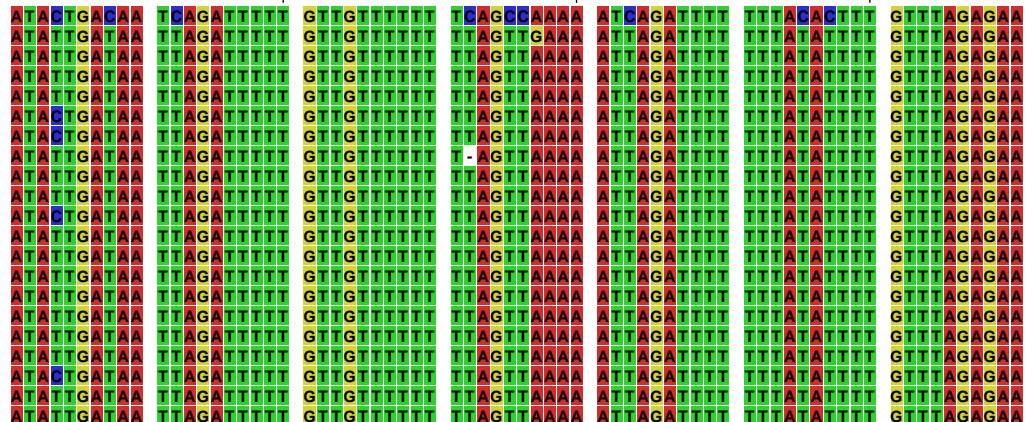
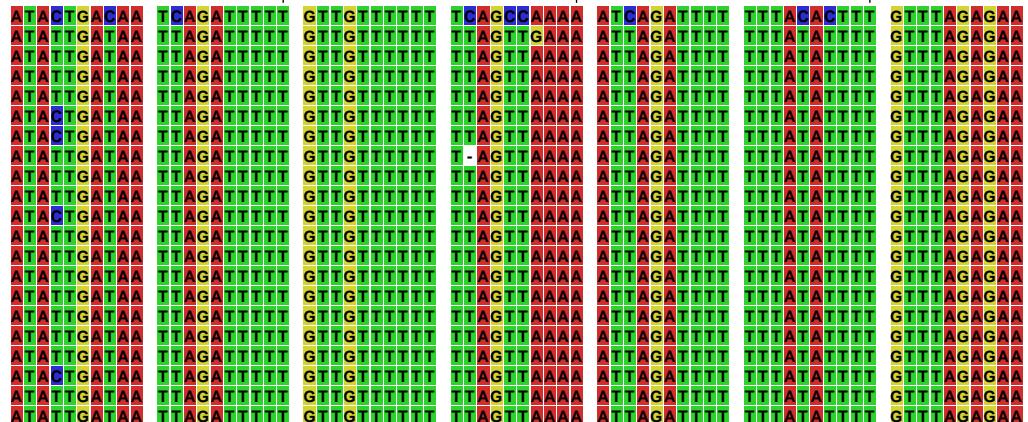
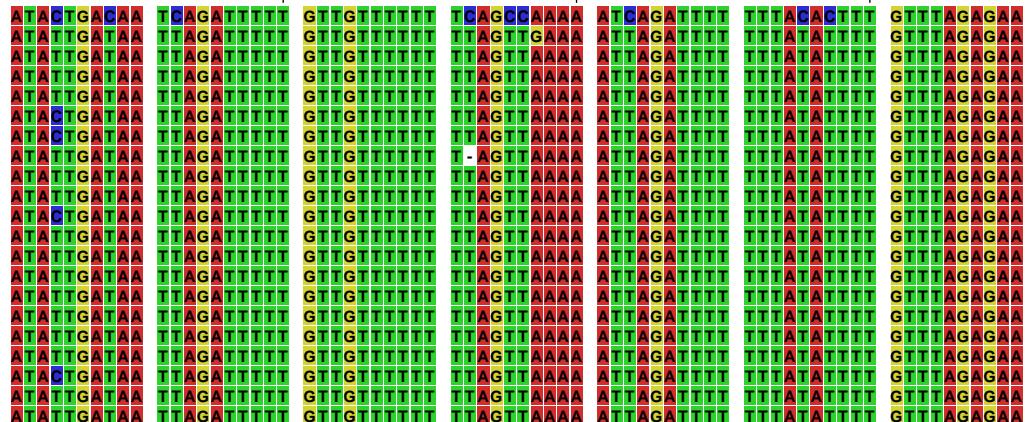
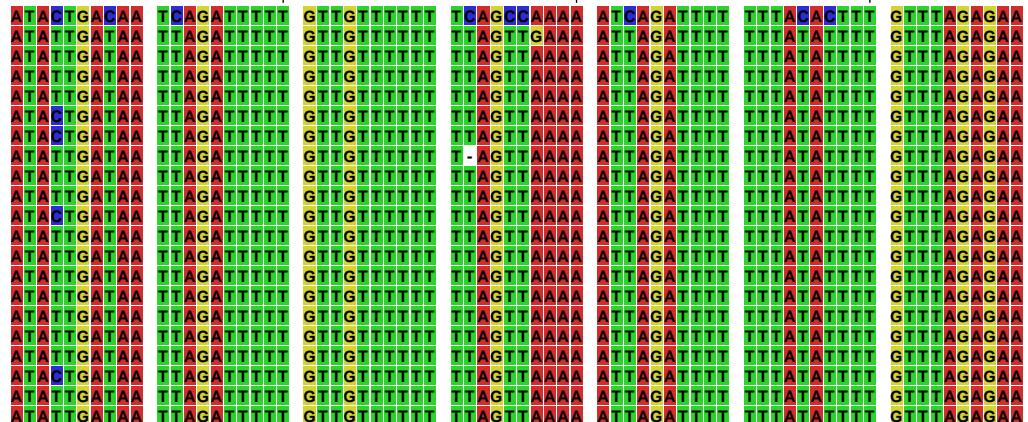
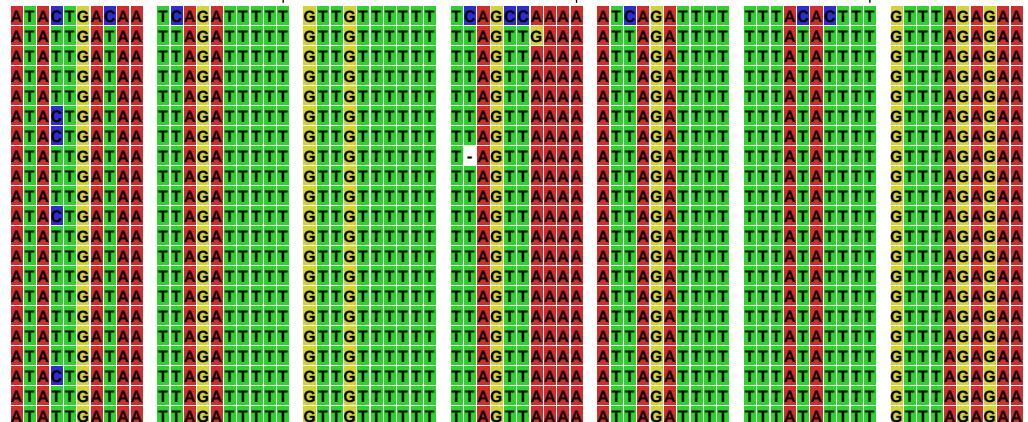
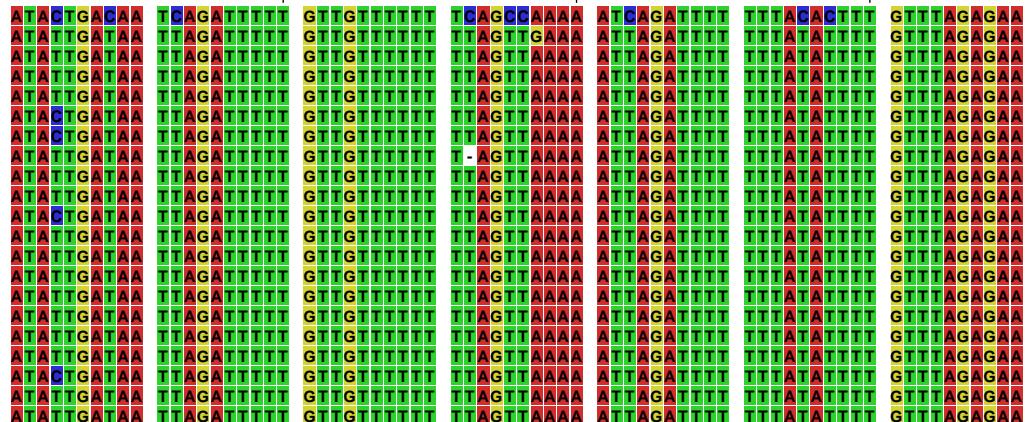
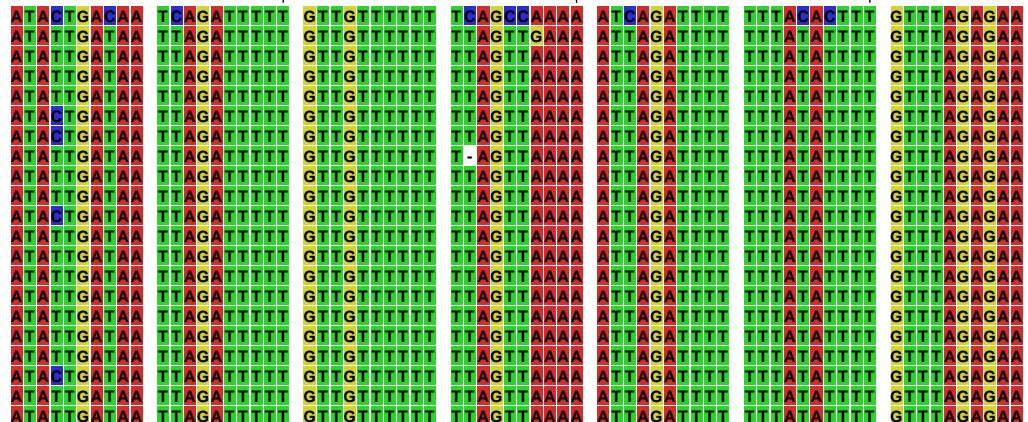
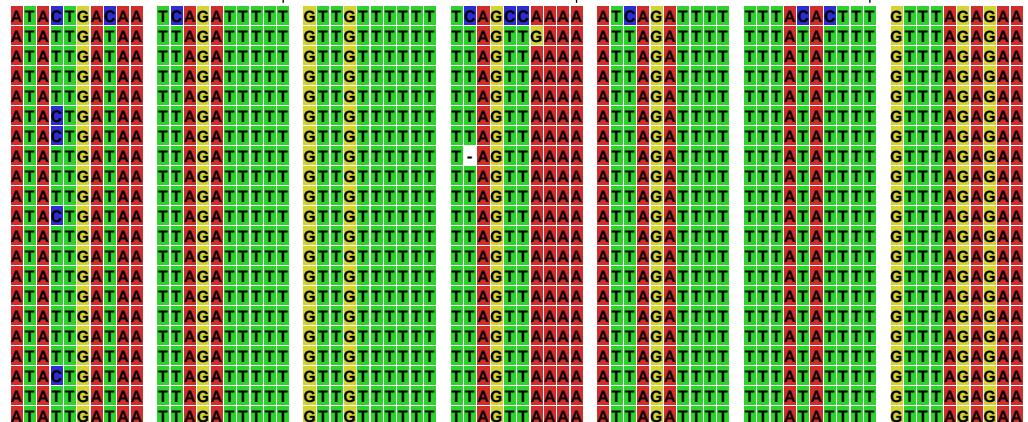
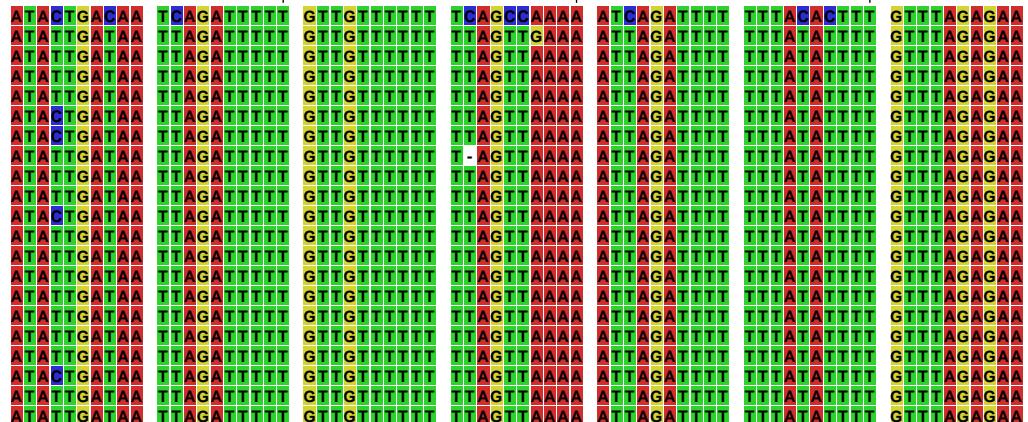
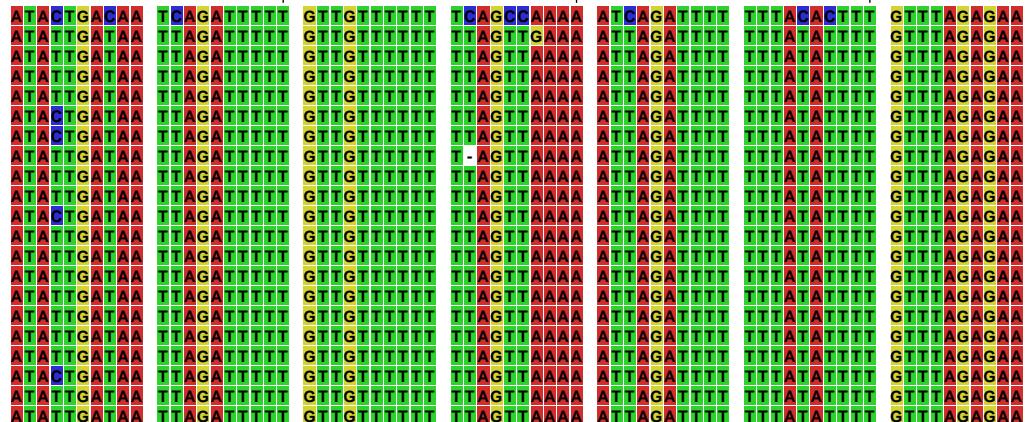
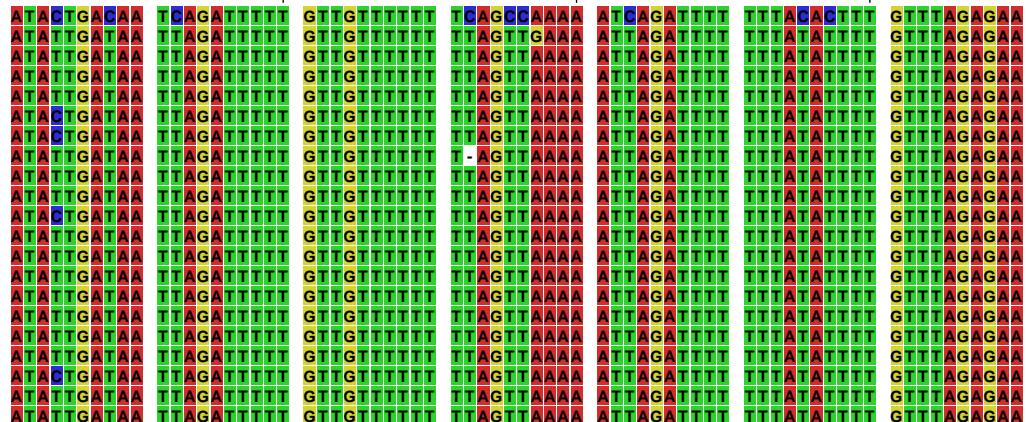
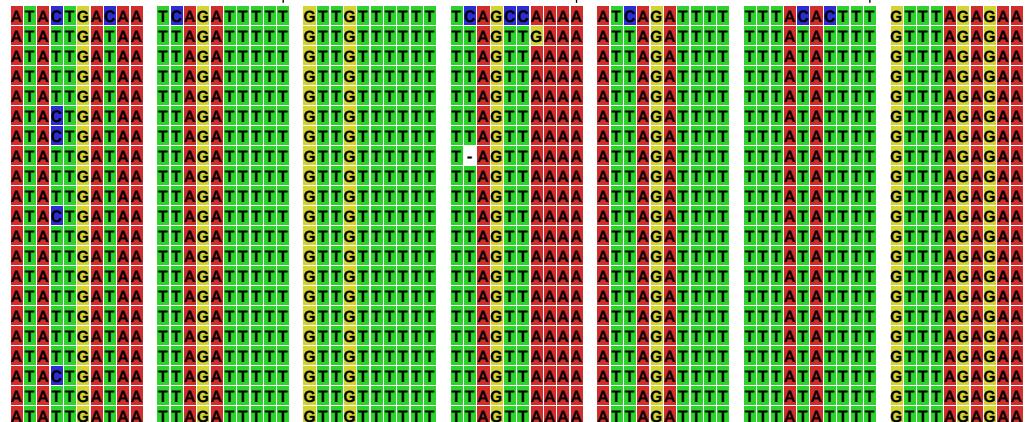
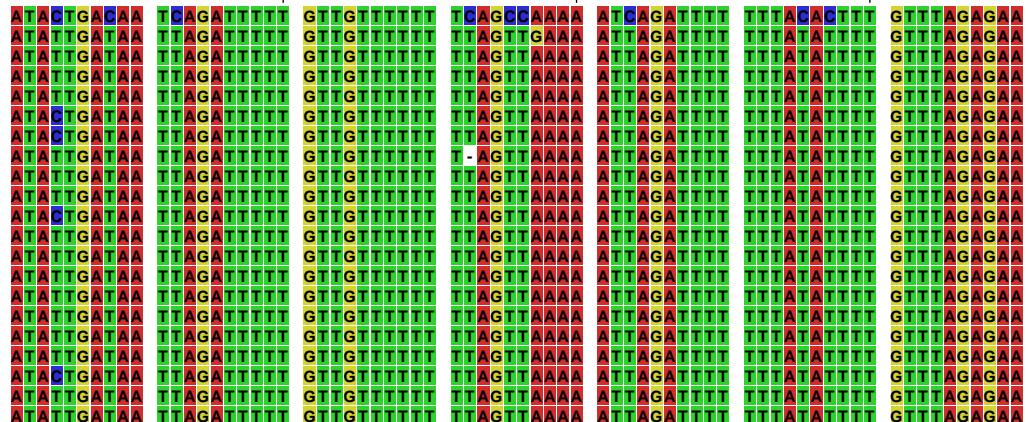
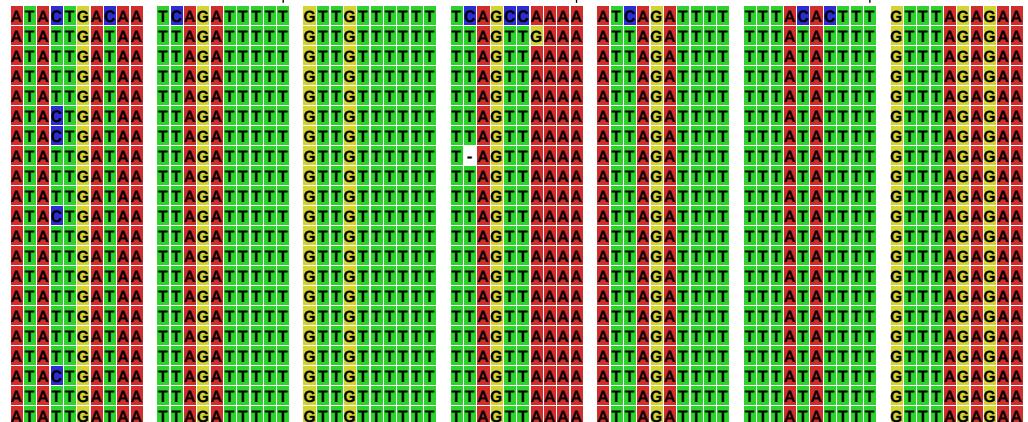
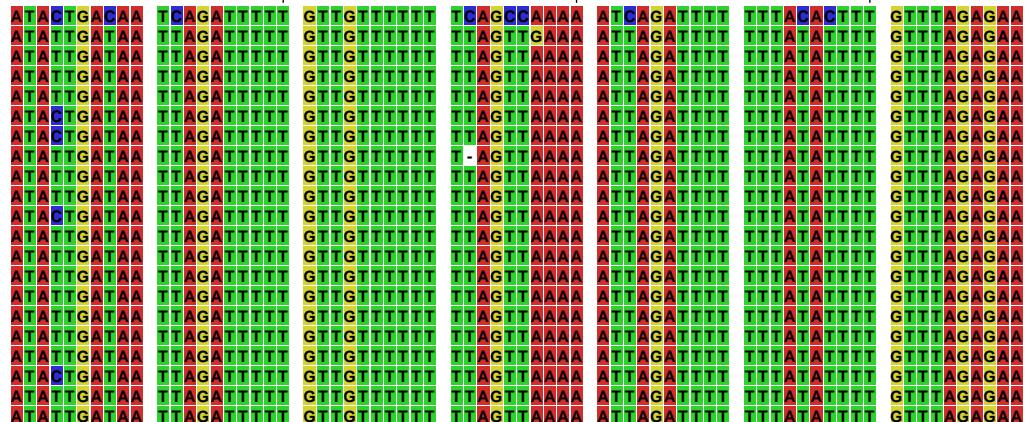
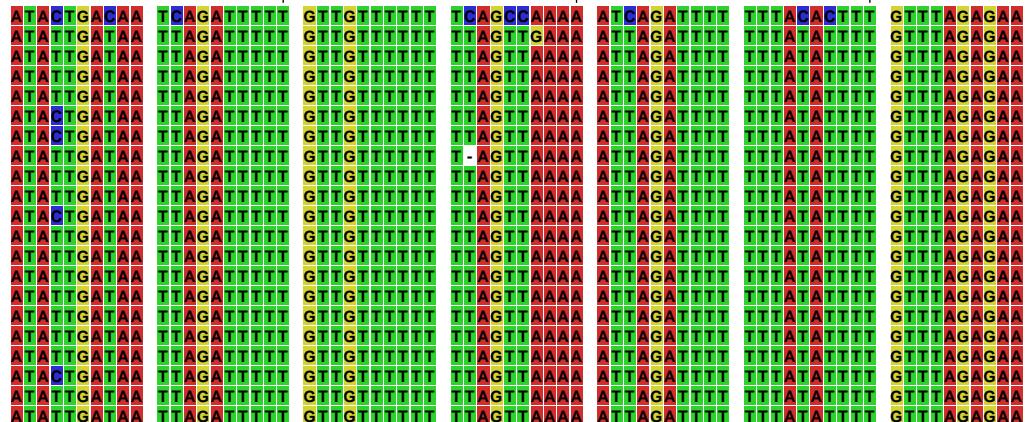
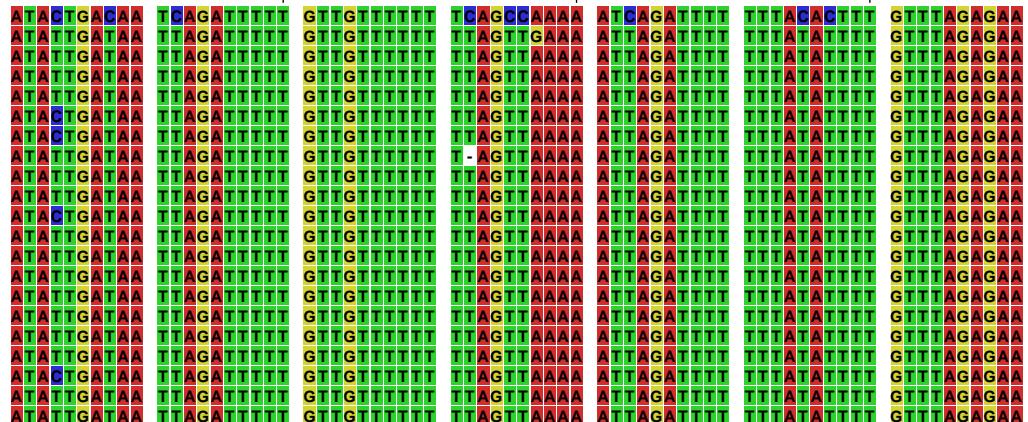
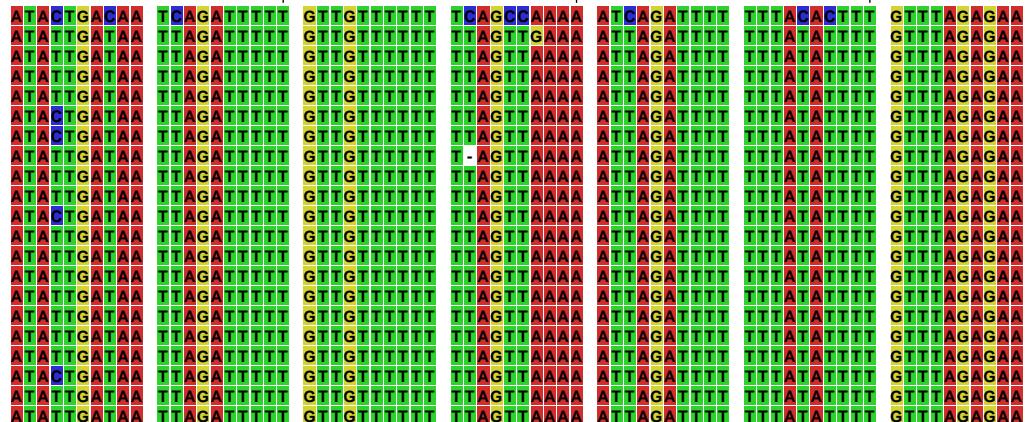
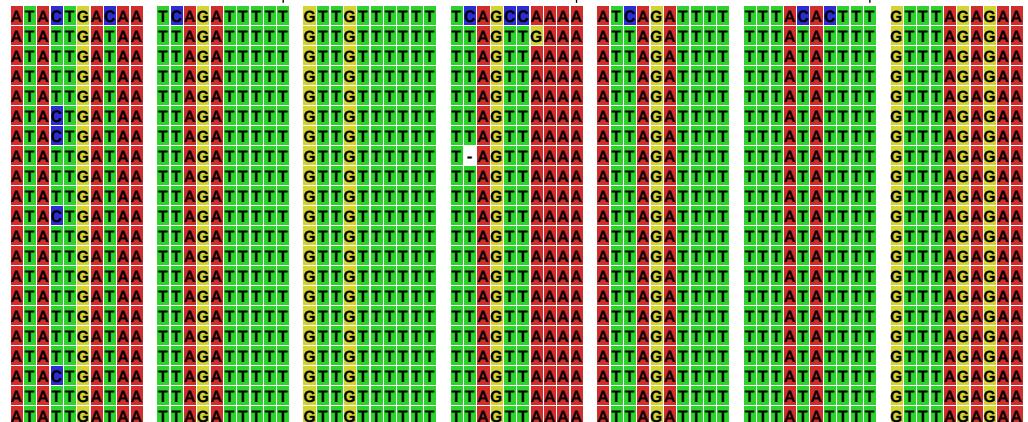
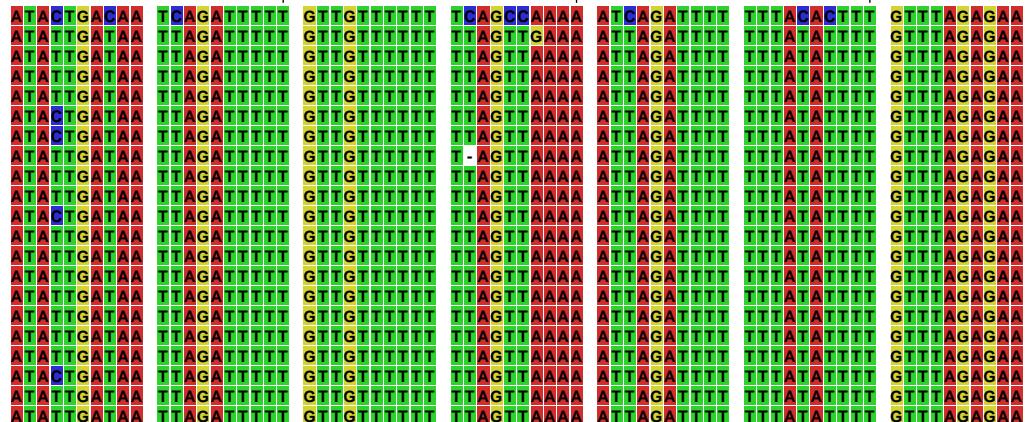
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mea 92-2.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-3.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-4.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-5.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-6.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-7.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-8.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-9.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-10.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-11.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-12.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-13.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-14.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-15.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-16.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-17.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-18.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-19.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-20.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-21.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-22.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-23.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-24.ab1	T	T	T	A	A	A	T	T	A	T	T	277
mea 92-25.ab1	T	T	T	A	A	A	T	T	A	T	T	277

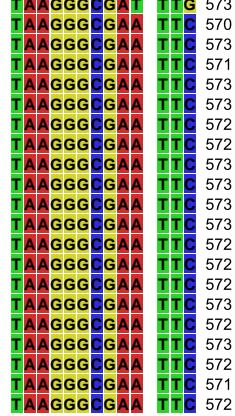
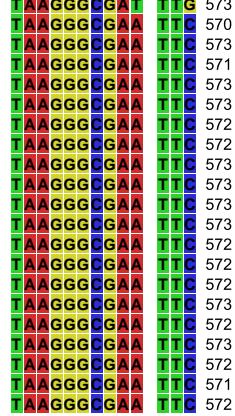
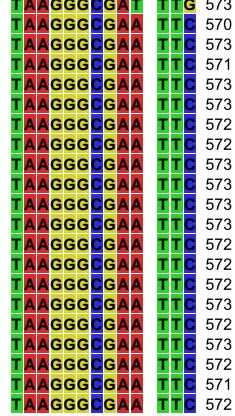
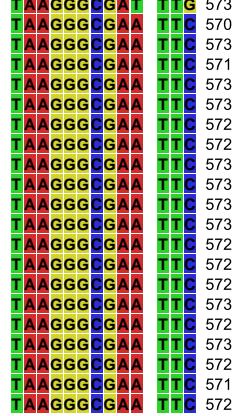
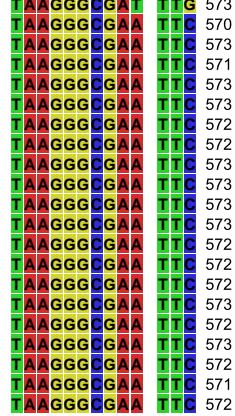
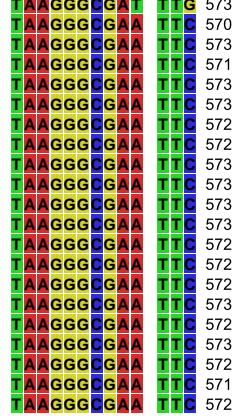
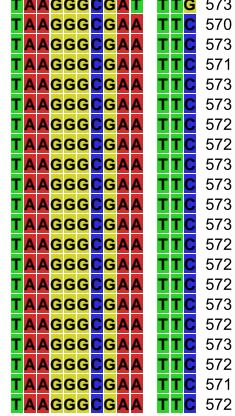
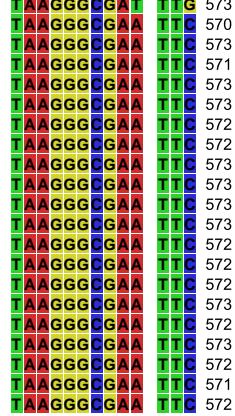
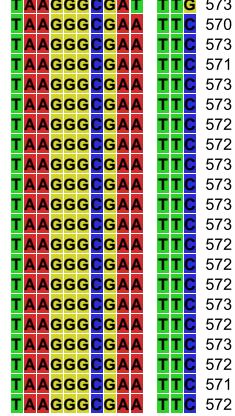
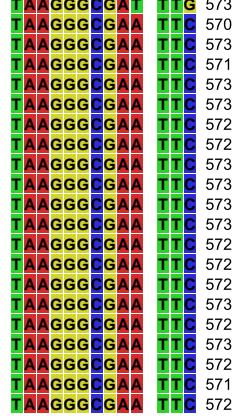
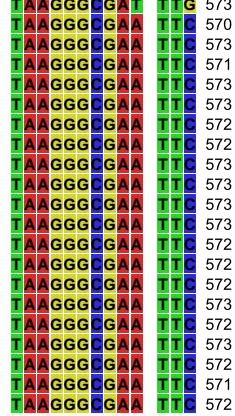
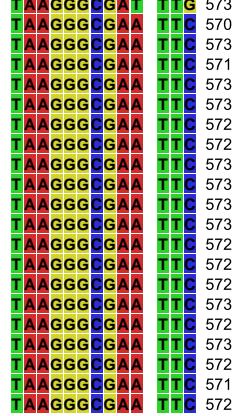
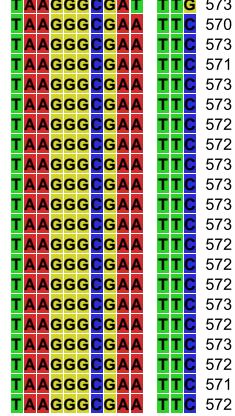
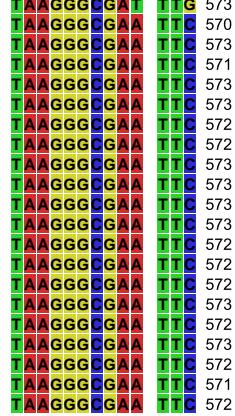
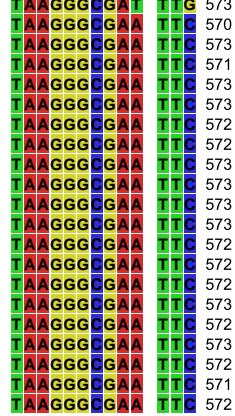
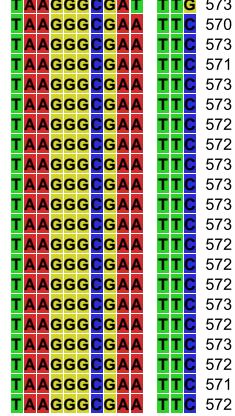
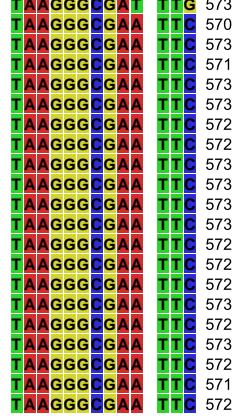
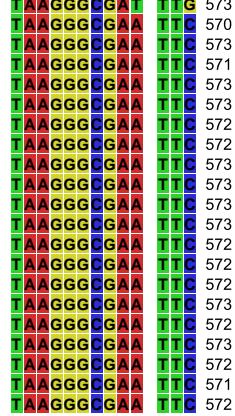
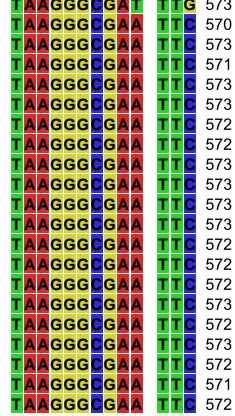
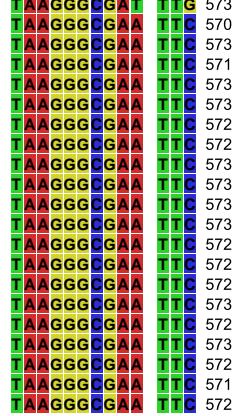
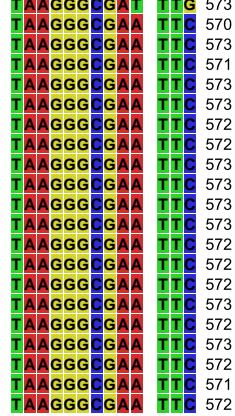


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mea 492-2.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-3.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-4.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-5.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-6.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-7.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-8.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-9.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
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mea 492-21.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-22.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-23.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT
mea 492-24.ab1	<b>TTAAAAATTCG</b>	GTTAGATTTT	ATTAATGTTAT





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fwa repeats						560
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FWA Col-2.ab1		557				
FWA Col-3.ab1		558				
FWA Col-4.ab1		558				
FWA Col-5.ab1		560				
FWA Col-6.ab1		559				
FWA Col-7.ab1		559				
FWA Col-8.ab1		560				
FWA Col-9.ab1		560				
FWA Col-10.ab1		560				
FWA Col-11.ab1		560				
FWA Col-12.ab1		559				
FWA Col-13.ab1		559				
FWA Col-14.ab1		559				
FWA Col-15.ab1		560				
FWA Col-16.ab1		559				
FWA Col-17.ab1		560				
FWA Col-18.ab1		559				
FWA Col-19.ab1		558				
FWA Col-20.ab1		559				

fwa repeats		573
FWA Col-1.ab1		570
FWA Col-2.ab1		573
FWA Col-3.ab1		571
FWA Col-4.ab1		573
FWA Col-5.ab1		573
FWA Col-6.ab1		572
FWA Col-7.ab1		572
FWA Col-8.ab1		573
FWA Col-9.ab1		573
FWA Col-10.ab1		573
FWA Col-11.ab1		573
FWA Col-12.ab1		572
FWA Col-13.ab1		572
FWA Col-14.ab1		572
FWA Col-15.ab1		573
FWA Col-16.ab1		572
FWA Col-17.ab1		573
FWA Col-18.ab1		572
FWA Col-19.ab1		571
FWA Col-20.ab1		572





		500	520	540	560	
fwa repeats	<b>T</b> A <b>C</b> T <b>G</b> A <b>G</b> A	T <b>C</b> A <b>G</b> A <b>T</b> TTTT	<b>G</b> T <b>T</b> G <b>T</b> TTTT	<b>T</b> C <b>A</b> G <b>C</b> AAA	<b>A</b> T <b>C</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> TT <b>A</b> C <b>A</b> CTTT
FWA drm1,2-1.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>G</b> I <b>I</b> T <b>A</b> G <b>G</b> AA
FWA drm1,2-2.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-3.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-4.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-5.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-6.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-7.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-8.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-9.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-10.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	- - - - -	- - - - -	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-11.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-12.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-13.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-14.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-15.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-16.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> C <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-17.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> G <b>A</b> T <b>T</b> TT <b>T</b> GGT
FWA drm1,2-18.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> CCAA	<b>A</b> T <b>C</b> A <b>G</b> A <b>T</b> TTT	<b>T</b> T <b>A</b> T <b>A</b> TTTT
FWA drm1,2-19.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>G</b> I <b>I</b> T <b>A</b> G <b>G</b> AA
FWA drm1,2-20.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>G</b> I <b>I</b> T <b>A</b> G <b>G</b> AA
FWA drm1,2-21.ab1	<b>A</b> T <b>A</b> T <b>T</b> G <b>A</b> TAA	<b>T</b> T <b>A</b> G <b>A</b> TTTTT	<b>G</b> I <b>I</b> G <b>I</b> TTTT	<b>T</b> T <b>A</b> G <b>T</b> AAA	<b>A</b> T <b>T</b> A <b>G</b> A <b>T</b> TTT	<b>G</b> I <b>I</b> T <b>A</b> G <b>G</b> AA
fwa repeats	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-1.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-2.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	570			
FWA drm1,2-3.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-4.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	571			
FWA drm1,2-5.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-6.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-7.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	568			
FWA drm1,2-8.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	571			
FWA drm1,2-9.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	570			
FWA drm1,2-10.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	539			
FWA drm1,2-11.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	571			
FWA drm1,2-12.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	568			
FWA drm1,2-13.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	568			
FWA drm1,2-14.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-15.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	571			
FWA drm1,2-16.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-17.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-18.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>C</b>	570			
FWA drm1,2-19.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-20.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	569			
FWA drm1,2-21.ab1	<b>T</b> A <b>A</b> GG <b>G</b> G <b>A</b> T	<b>T</b>	571			





		500	520	540	560
fwa repeats	ATACTGACAA	TCAAGATTTT	GTTGTTTTT	TCAGCCAAA	TGTTAGAGAA
FWA cm3-1.ab1	ATATTGATAA	TTAGATTTT	GINGTTTT	ATAGTTAAAA	TGATTTGGT
FWA cm3-2.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TAAGAGAA
FWA cm3-3.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-4.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TAAGAGAA
FWA cm3-5.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TAGTCAAAA	TGATTTGGT
FWA cm3-6.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-7.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-8.ab1	ATATTGATAA	TTAGATTTT	GINGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-9.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-10.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-11.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-12.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-13.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-14.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-15.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-16.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-17.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-18.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-19.ab1	ATATTGATAA	TTAGATTTT	GTAAGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-20.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-21.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-22.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-23.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-24.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT
FWA cm3-25.ab1	ATATTGATAA	TTAGATTTT	GTTGTTTT	TTAGTTAAAA	TGATTTGGT

fwa repeats	TAAGGGCGAA	TTC	572
FWA cm3-1.ab1	TAAGGGCGAA	TTC	573
FWA cm3-2.ab1	TAAGGGCGAA	TTC	573
FWA cm3-3.ab1	TAAGGGCGAA	TTC	573
FWA cm3-4.ab1	TAAGGGCGAA	TTC	569
FWA cm3-5.ab1	TAAGGGCGAA	TTC	572
FWA cm3-6.ab1	TAAGGGCGAA	TTC	571
FWA cm3-7.ab1	TAAGGGCGAA	TTC	573
FWA cm3-8.ab1	TAAGGGCGAA	TTC	573
FWA cm3-9.ab1	TAAGGGCGAA	TTC	573
FWA cm3-10.ab1	TAAGGGCGAA	TTC	573
FWA cm3-11.ab1	TAAGGGCGAA	TTC	573
FWA cm3-12.ab1	TAAGGGCGAA	TTC	573
FWA cm3-13.ab1	TAAGGGCGAA	TTC	571
FWA cm3-14.ab1	TAAGGGCGAA	TTC	569
FWA cm3-15.ab1	TAAGGGCGAA	TTC	571
FWA cm3-16.ab1	TAAGGGCGAA	TTC	571
FWA cm3-17.ab1	TAAGGGCGAA	TTC	571
FWA cm3-18.ab1	TAAGGGCGAA	TTC	573
FWA cm3-19.ab1	TAAGGGCGAA	TTC	573
FWA cm3-20.ab1	TAAGGGCGAA	TTC	572
FWA cm3-21.ab1	TAAGGGCGAA	TTC	573
FWA cm3-22.ab1	TAAGGGCGAA	TTC	571
FWA cm3-23.ab1	TAAGGGCGAA	TTC	573
FWA cm3-24.ab1	TAAGGGCGAA	TTC	573
FWA cm3-25.ab1	TAAGGGCGAA	TTC	572



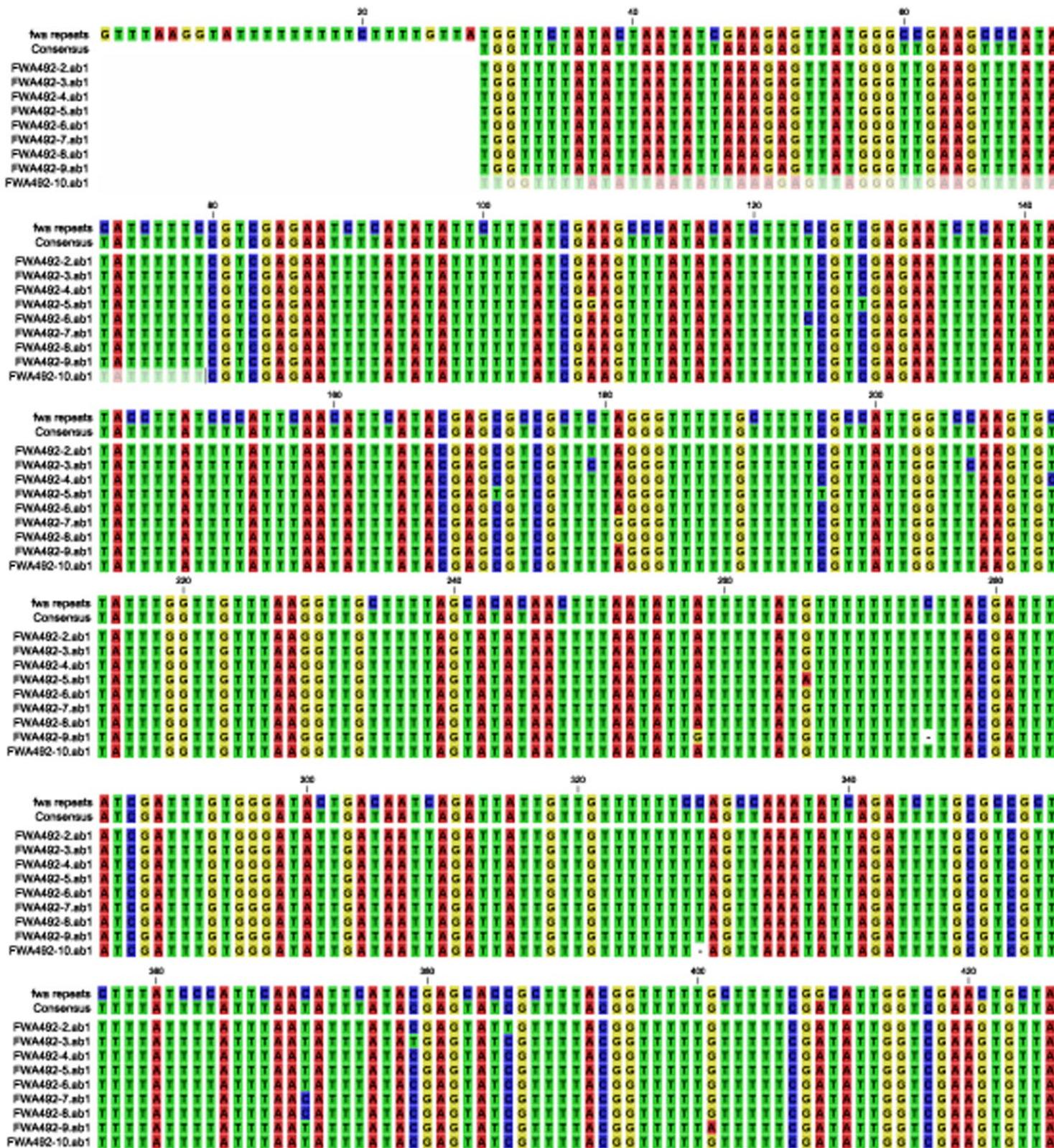


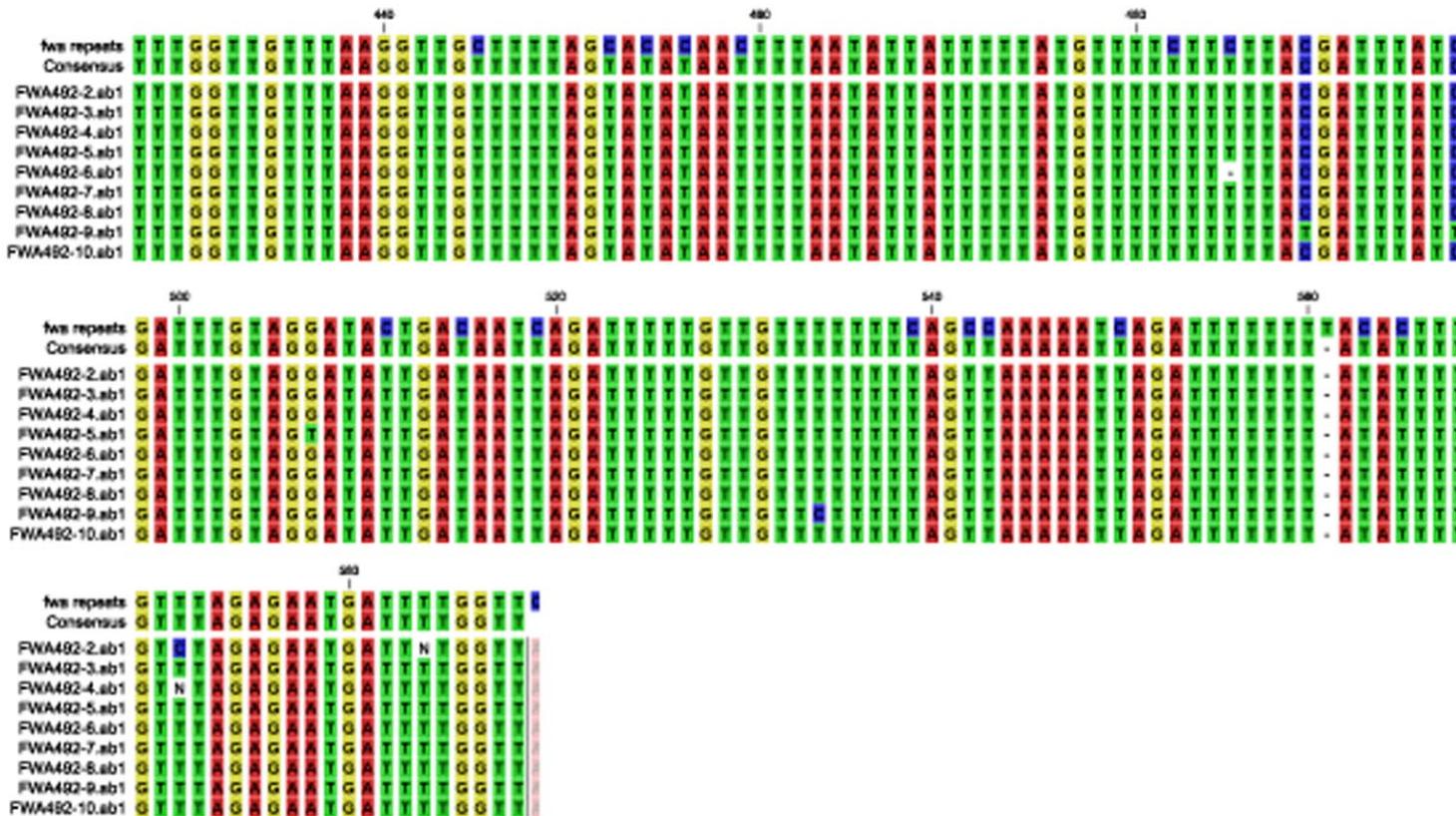
fwa repeats	T	A	A	G	G	C	G	A	T	T	-	-	569
FWA 2-1.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-2.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-3.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-4.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-5.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-6.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-7.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-8.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-9.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-10.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-11.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-12.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-13.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-14.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-15.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-16.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-17.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-18.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-19.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-20.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-21.ab1	T	A	A	G	G	C	G	A	A	T	T	C	573
FWA 2-22.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-23.ab1	T	A	A	G	G	C	G	A	A	T	T	C	572
FWA 2-24.ab1	T	A	A	G	G	C	G	A	A	T	T	C	571





fwa repeats	T	A	G	G	G	C	G	A	T	T	569
FWA 9-1.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-2.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-3.ab1	T	A	G	G	G	C	G	A	T	T	570
FWA 9-4.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-5.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-6.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-7.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-8.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-9.ab1	T	A	G	G	G	C	G	A	T	T	570
FWA 9-10.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-11.ab1	T	A	G	G	G	C	G	A	T	T	570
FWA 9-12.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-13.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-14.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-15.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-16.ab1	T	A	G	G	G	C	G	A	T	T	570
FWA 9-17.ab1	T	A	G	G	G	C	G	A	T	T	570
FWA 9-18.ab1	T	A	G	G	G	C	G	A	T	T	569
FWA 9-19.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-20.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-21.ab1	T	A	G	G	G	C	G	A	T	T	571
FWA 9-22.ab1	T	A	G	G	G	C	G	A	T	T	568
FWA 9-23.ab1	T	A	G	G	G	C	G	A	T	T	571







		420		440		460		480	
fwa repeats	<b>C</b> TATTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGCA	CACAACTTAA	ATATTATTT	TATGTTTC	<b>T</b> CTACGATT	TATCAGTTG
FWA 2-1L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-2L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-3L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-4L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-5L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-6L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-7L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-8L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-9L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-10L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-11L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
FWA 2-12L.ab1	<b>T</b> TA	TTTGGTT	GT	TTAAGGTT	<b>G</b> TTTTAGTA	TATAA	TATGTT	<b>T</b> TTTATGATT	TATGCA
		500		520		540		560	
fwa repeats	<b>T</b> AGGA	TACTG	<b>A</b> CAATCAGAT	<b>T</b> TTTGT	TTTTCAGGCC	<b>A</b> AAAAATCAGA	<b>T</b> TTTTTT	<b>A</b> C	ACTTTGTTTA
FWA 2-1L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-2L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-3L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-4L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-5L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-6L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-7L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-8L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-9L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-10L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-11L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
FWA 2-12L.ab1	<b>T</b> AGGA	TATTG	<b>A</b> TAATTAGAT	<b>T</b> TTTGT	TTTTCAGTT	<b>A</b> AAAAATTAGA	<b>T</b> TTTTTT	-AT	ATTTTGTTA
		580							
fwa repeats	<b>T</b> GGTTCC	-	-CGATTTGTC	572					
FWA 2-1L.ab1	<b>T</b> -GGT	AAGG	<b>G</b> CGAATTCCA	576					
FWA 2-2L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					
FWA 2-3L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					
FWA 2-4L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	576					
FWA 2-5L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					
FWA 2-6L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					
FWA 2-7L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					
FWA 2-8L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					
FWA 2-9L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	576					
FWA 2-10L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					
FWA 2-11L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	576					
FWA 2-12L.ab1	<b>T</b> GGT	AAGG	<b>G</b> CGAATTCCA	577					



		420		440		460		480	
fwa repeats	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTACGATTTA	TGATTTGT <b>A</b>	477
FWA 9-1L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-2L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	479
FWA 9-3L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-4L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-5L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	479
FWA 9-6L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-7L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-8L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	479
FWA 9-9L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-10L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	479
FWA 9-11L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	479
FWA 9-12L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-13L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	480
FWA 9-14L.ab1	<b>ATTTGGTTGT</b>	TTAAGGTG <b>C</b>	TTTACGACAA	CAACTTAA <b>T</b>	ATTATTTTA	TGTTT <b>C</b>	TTATGATTIA	TGATTTGT <b>A</b>	479
		500		520		540		560	
fwa repeats	<b>GGATACTGAC</b>	AATCAGATTT	TTGTTGTTTT	TTTCAGCAA	AAATCAGATT	TTTTTACAC	TTTGTTTAGA	GAAATGATTT	557
FWA 9-1L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	559
FWA 9-2L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
FWA 9-3L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
FWA 9-4L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
FWA 9-5L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
FWA 9-6L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	559
FWA 9-7L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	559
FWA 9-8L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
FWA 9-9L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	559
FWA 9-10L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
FWA 9-11L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
FWA 9-12L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	559
FWA 9-13L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	559
FWA 9-14L.ab1	<b>GGATAATTGAT</b>	AATTAGATTT	TTGTTGTTTT	TTTATTTAA	AAATTAGATT	TTTTT-AAT	TTTGTTTAGA	GAATCAATTT	558
fwa repeats	<b>GGTTAAC</b> - - -	563							
FWA 9-1L.ab1	<b>GGTTAACGGG</b>	568							
FWA 9-2L.ab1	<b>GGTTAACGGG</b>	567							
FWA 9-3L.ab1	<b>GGTTAACGGG</b>	567							
FWA 9-4L.ab1	<b>GGTTAACGGG</b>	567							
FWA 9-5L.ab1	<b>GGTTAACGGG</b>	567							
FWA 9-6L.ab1	<b>GGTTAACGGG</b>	568							
FWA 9-7L.ab1	<b>GGTTAACGGG</b>	568							
FWA 9-8L.ab1	<b>GGTTAACGGG</b>	567							
FWA 9-9L.ab1	<b>GGTTAACGGG</b>	568							
FWA 9-10L.ab1	<b>GGTTAACGGG</b>	567							
FWA 9-11L.ab1	<b>GGTTAACGGG</b>	567							
FWA 9-12L.ab1	<b>GGTTAACGGG</b>	568							
FWA 9-13L.ab1	<b>GGTTAACGGG</b>	568							
FWA 9-14L.ab1	<b>GGTTAACGGG</b>	567							



		340		360		380		400	
fwa repeats	<b>TTCGCCGC</b>	C	TTCACACATT	A	CGCTTTAGG	T	TGGGCA	TGG	TGAACTGCT
FWA 92-1a.ab1	<b>TIGTGTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGIA	TGG	TGAATTGTT
FWA 92-2a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-3a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-4a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-5a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-6a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-7a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-8a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGIATCG	TGG	TGAATTGTT
FWA 92-9a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-10a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-11a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGIATCG	TGG	TGAATTGTT
FWA 92-12a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-13a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-14a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGIATCG	TGG	TGAATTGTT
FWA 92-15a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
FWA 92-16a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGIATCG	TGG	TGAATTGTT
FWA 92-17a.ab1	<b>TTGTGTTGTT</b>	T	TTTAAATTTA	A	TATGAGTAT	G	TGGTATTGG	TGG	TGAATTGTT
		420		440		460		480	
fwa repeats	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGCACA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-1a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-2a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-3a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-4a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-5a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-6a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-7a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-8a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-10a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-11a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-12a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-13a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-14a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-15a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-16a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
FWA 92-17a.ab1	<b>ATTTGGTTGT</b>	T	<b>TAAGGTTC</b>	T	<b>TTTTAGTATA</b>	C	<b>TAATTTAA</b>	<b>ATTATTTA</b>	<b>TGTGTTCTC</b>
		500		520		540		560	
fwa repeats	<b>GGATACTGAC</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTACAC</b>
FWA 92-1a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-2a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-3a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-4a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-5a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-6a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-7a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-8a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-10a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-11a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-12a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-13a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-14a.ab1	<b>GGGTATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-15a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-16a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
FWA 92-17a.ab1	<b>GGATATTGAT</b>	A	<b>ATTCAGA</b>	T	<b>TTGTTGTTT</b>	T	<b>TTTACCCAA</b>	<b>AAATCAGATT</b>	<b>TITTTTATAT</b>
		583							
fwa repeats	<b>GGTTTCCC</b>	-	<b>GGTTAAGGG</b>	-					
FWA 92-1a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-2a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-3a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-4a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-5a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-6a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-7a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-8a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-10a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-11a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-12a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-13a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-14a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-15a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-16a.ab1	<b>GGTTAAGGG</b>	-							
FWA 92-17a.ab1	<b>GGTTAAGGG</b>	-							

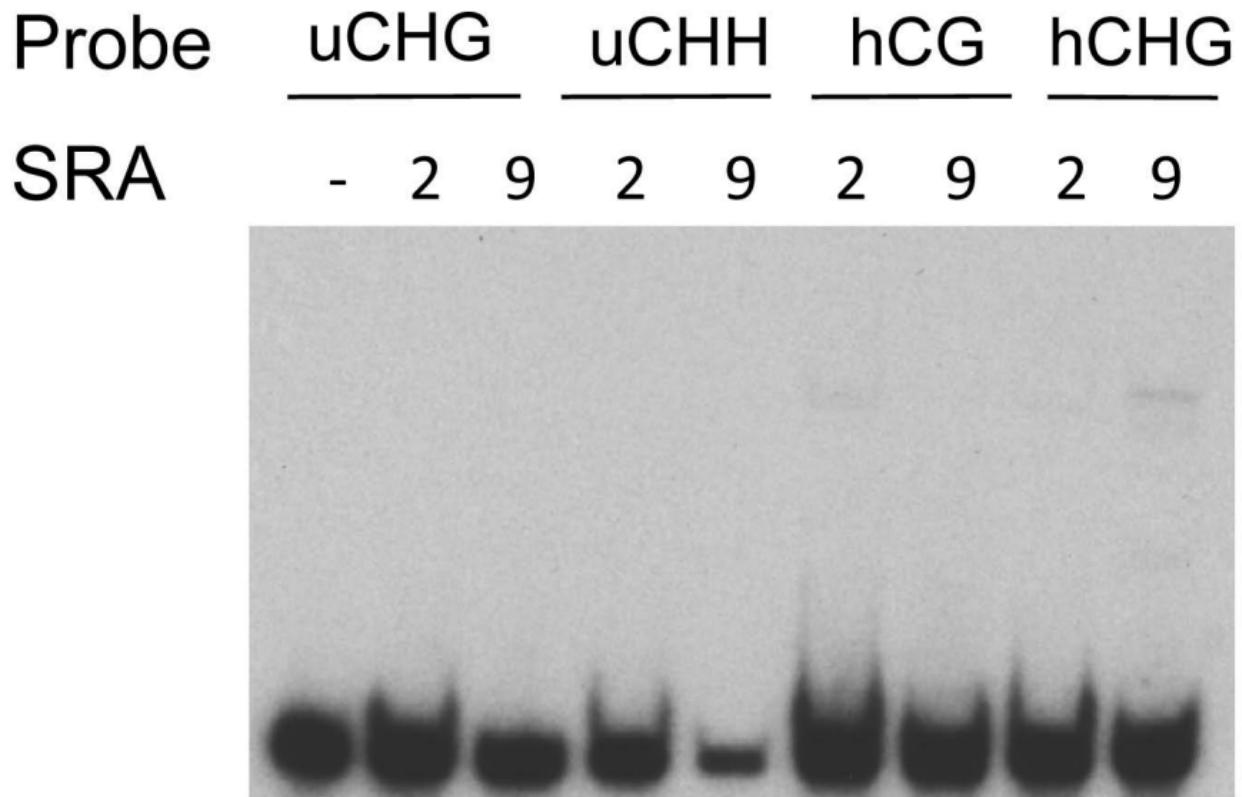
		20		40		60		80
SDC repeats.AB1	GCTGAGCTGT	ATTGTGAAAT	CTTATCTTTA	TAACTAAGTG	GTACAATGAA	ATCTATCTTG	TATAACTGAC	GTGTACTCTG
SDC 9-1.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAC	GIGTACTCTG
SDC 9-2.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAC	GTGTACTCTG
SDC 9-3.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTACAATGAA	ATTTTATTTT	TATAACTGAC	GIGTACTCTG
SDC 9-4.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAACTAAGTG	GTACAATGAA	ATTTTATTTT	TATAACTGAC	GTGTACTCTG
SDC 9-5.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAC	GTGTACTCTG
SDC 9-6.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAC	GTGTACTCTG
SDC 9-7.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAACTAAGTG	GTACAATGAA	ATTTTATTTT	TATAACTGAC	GTGTACTCTG
SDC 9-8.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAC	GIGTACTCTG
SDC 9-9.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAACTAAGTG	GTACAATGAA	ATTTTATTTT	TATAACTGAC	GTGTACTCTG
SDC 9-10.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAC	GTGTACTCTG
SDC 9-11.AB1	GCTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAATTGAT	GTGTAATTCTG
SDC 9-12.AB1	GTTGAGCTGT	ATTGTGAAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAT	GTGTAATTCTG
SDC 9-13.AB1	GTTGAGCTGT	ATCGTGAAT	TTTATTTTTA	TAATTAACGT	GTATAATGAA	ATTTTATTTT	TATAACTGAT	GIGTAATTCTG
		100		120		140		160
SDC repeats.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAAC	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-1.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-2.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-3.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-4.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-5.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-6.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-7.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-8.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-9.AB1	AAAATTTATTC	TTTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAC	AGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-10.AB1	AAAATTTATTC	TCTATAACTG	ATCGTGTACTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-11.AB1	AAAATTTATTC	TTTATAATTG	ATCGTGTATTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-12.AB1	AAAATTTATTC	TTTATAATTG	ATCGTGTATTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
SDC 9-13.AB1	AAAATTTATTC	TTTATAATTG	ATCGTGTATTG	TGAAATCTTA	TCTTTATAAT	TGAGCTGTAC	TGTGAAATT	TATTTAAATA
		180		200		220		
SDC repeats.AB1	ACTGACGTGT	GCAGCGAAAT	CTCATCTTTA	TATCAAAGTG	TACTGTAAAA	TCTTATCTTG	ATAAA	224
SDC 9-1.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-2.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-3.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-4.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-5.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-6.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-7.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-8.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-9.AB1	ACTGACGTGT	ACAGCGAAAT	TTTATTTTTA	TATTAACGTG	TACTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-10.AB1	ACTGACGTGT	ATAGCGAAAT	TTTATTTTTA	TATTAAACGTG	TATTGTAAAA	TTTTATTTTT	ATAAA	224
SDC 9-11.AB1	ACTGATCTGT	ACGGCTAAAT	TTTATTTTTA	TATTAAACGTG	TACTGTAAA	TTTTATTTTT	ATAAA	224
SDC 9-12.AB1	ATTGAGCTGT	ACAGCGAAAT	TTTATTTTTA	TATTAAACGTG	TATTGTAAA	TTTTATTTTT	ATAAA	224
SDC 9-13.AB1	ACTGATCTGT	ACAGCGAAAT	TTTATTTTTA	TATTAAACGTG	TATTGTAAA	TTTTATTTTT	ATAAA	224



		20		40		60		80
SDC repeats	T	A	T	G	A	G	A	T
SDC 92-1.ab1	T	A	T	G	A	G	A	T
SDC 92-2.ab1	T	A	T	G	A	G	A	T
SDC 92-5.ab1	T	A	T	G	A	G	A	T
SDC 92-6.ab1	T	A	T	G	A	G	A	T
SDC 92-7.ab1	T	A	T	G	A	G	A	T
SDC 92-8.ab1	T	A	T	G	A	G	A	T
SDC 92-9.ab1	T	A	T	G	A	G	A	T
SDC 92-10.ab1	T	A	T	G	A	G	A	T
SDC 92-11.ab1	T	A	T	G	A	G	A	T
SDC 92-12.ab1	T	A	T	G	A	G	A	T
SDC 92-13.ab1	T	G	A	T	A	G	A	T
SDC 92-14.ab1	T	A	T	G	A	G	A	T
SDC 92-15.ab1	T	A	T	G	A	G	A	T
SDC 92-16.ab1	T	A	T	G	A	G	A	T
SDC 92-17.ab1	T	A	T	G	A	G	A	T
SDC 92-18.ab1	T	A	T	G	A	G	A	T
SDC 92-19.ab1	T	A	T	G	A	G	A	T
SDC 92-20.ab1	T	A	T	G	A	G	A	T
SDC 92-21.ab1	T	A	T	G	A	G	A	T
		100		120		140		160
SDC repeats	C	A	G	T	A	C	A	G
SDC 92-1.ab1	T	A	G	T	A	T	A	G
SDC 92-2.ab1	T	A	G	T	A	T	A	G
SDC 92-5.ab1	T	A	G	T	A	T	A	G
SDC 92-6.ab1	T	A	G	T	A	T	A	G
SDC 92-7.ab1	T	A	G	T	A	T	A	G
SDC 92-8.ab1	T	A	G	T	A	T	A	G
SDC 92-9.ab1	T	A	G	T	A	T	A	G
SDC 92-10.ab1	T	A	G	T	A	T	A	G
SDC 92-11.ab1	T	A	G	T	A	T	A	G
SDC 92-12.ab1	T	A	G	T	A	T	A	G
SDC 92-13.ab1	T	A	G	T	A	T	A	G
SDC 92-14.ab1	T	A	G	T	A	T	A	G
SDC 92-15.ab1	T	A	G	T	A	T	A	G
SDC 92-16.ab1	T	A	G	T	A	T	A	G
SDC 92-17.ab1	T	A	G	T	A	T	A	G
SDC 92-18.ab1	T	A	G	T	A	T	A	G
SDC 92-19.ab1	T	A	G	T	A	T	A	G
SDC 92-20.ab1	T	A	G	T	A	T	A	G
SDC 92-21.ab1	T	A	G	T	A	T	A	G
		180		200		220		
SDC repeats	T	A	T	A	A	G	T	A
SDC 92-1.ab1	T	A	T	A	A	G	T	A
SDC 92-2.ab1	T	A	T	A	A	G	T	A
SDC 92-5.ab1	T	A	T	A	A	G	T	A
SDC 92-6.ab1	T	A	T	A	A	G	T	A
SDC 92-7.ab1	T	A	T	A	A	G	T	A
SDC 92-8.ab1	T	A	T	A	A	G	T	A
SDC 92-9.ab1	T	A	T	A	A	G	T	A
SDC 92-10.ab1	T	A	T	A	A	G	T	A
SDC 92-11.ab1	T	A	T	A	A	G	T	A
SDC 92-12.ab1	T	A	T	A	A	G	T	A
SDC 92-13.ab1	T	A	T	A	A	G	T	A
SDC 92-14.ab1	T	A	T	A	A	G	T	A
SDC 92-15.ab1	T	A	T	A	A	G	T	A
SDC 92-16.ab1	T	A	T	A	A	G	T	A
SDC 92-17.ab1	T	A	T	A	A	G	T	A
SDC 92-18.ab1	T	A	T	A	A	G	T	A
SDC 92-19.ab1	T	A	T	A	A	G	T	A
SDC 92-20.ab1	T	A	T	A	A	G	T	A
SDC 92-21.ab1	T	A	T	A	A	G	T	A

		20		40		60		80	
SDC repeats	T	T	G	A	G	T			
SDC 492-1.ab1	T	T	T	G	A	G	T	T	80
SDC 492-2.ab1	T	T	T	G	A	G	T	T	80
SDC 492-3.ab1	T	T	T	G	A	G	T	T	80
SDC 492-4.ab1	T	T	T	G	A	G	T	T	80
SDC 492-5.ab1	T	T	T	G	A	G	T	T	80
SDC 492-6.ab1	T	T	T	G	A	G	T	T	80
SDC 492-7.ab1	T	T	T	G	A	G	T	T	80
SDC 492-8.ab1	T	T	T	G	A	G	T	T	80
SDC 492-9.ab1	T	T	T	G	A	G	T	T	80
SDC 492-10.ab1	T	T	T	G	A	G	T	T	80
SDC 492-11.ab1	T	T	T	G	A	G	T	T	80
SDC 492-12.ab1	T	T	T	G	A	G	T	T	80
SDC 492-13.ab1	T	T	T	G	A	G	T	T	80
SDC 492-14.ab1	T	T	T	G	A	G	T	T	80
SDC 492-15.ab1	T	T	T	G	A	G	T	T	80
SDC 492-16.ab1	T	T	T	G	A	G	T	T	80
		100		120		140		160	
SDC repeats	C	A	C	G	T	A	C	G	
SDC 492-1.ab1	T	A	T	G	T	A	T	C	160
SDC 492-2.ab1	T	A	T	G	T	A	T	C	160
SDC 492-3.ab1	T	A	T	G	T	A	T	C	160
SDC 492-4.ab1	T	A	T	G	T	A	T	C	160
SDC 492-5.ab1	T	A	T	G	T	A	T	C	160
SDC 492-6.ab1	T	A	T	G	T	A	T	C	160
SDC 492-7.ab1	T	A	T	G	T	A	T	C	160
SDC 492-8.ab1	T	A	T	G	T	A	T	C	160
SDC 492-9.ab1	T	A	T	G	T	A	T	C	160
SDC 492-10.ab1	T	A	T	G	T	A	T	C	160
SDC 492-11.ab1	T	A	T	G	T	A	T	C	160
SDC 492-12.ab1	T	A	T	G	T	A	T	C	160
SDC 492-13.ab1	T	A	T	G	T	A	T	C	160
SDC 492-14.ab1	T	A	T	G	T	A	T	C	160
SDC 492-15.ab1	T	A	T	G	T	A	T	C	160
SDC 492-16.ab1	T	A	T	G	T	A	T	C	160
		180		200		220			
SDC repeats	T	A	A	A	G	A	T		
SDC 492-1.ab1	T	A	A	A	G	A	T		
SDC 492-2.ab1	T	A	A	A	G	A	T		
SDC 492-3.ab1	T	A	A	A	G	A	T		
SDC 492-4.ab1	T	A	A	A	G	A	T		
SDC 492-5.ab1	T	A	A	A	G	A	T		
SDC 492-6.ab1	T	A	A	A	G	A	T		
SDC 492-7.ab1	T	A	A	A	G	A	T		
SDC 492-8.ab1	T	A	A	A	G	A	T		
SDC 492-9.ab1	T	A	A	A	G	A	T		
SDC 492-10.ab1	T	A	A	A	G	A	T		
SDC 492-11.ab1	T	A	A	A	G	A	T		
SDC 492-12.ab1	T	A	A	A	G	A	T		
SDC 492-13.ab1	T	A	A	A	G	A	T		
SDC 492-14.ab1	T	A	A	A	G	A	T		
SDC 492-15.ab1	T	A	A	A	G	A	T		
SDC 492-16.ab1	TTT	-	A	T	A	T	A		219

Figure S4



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