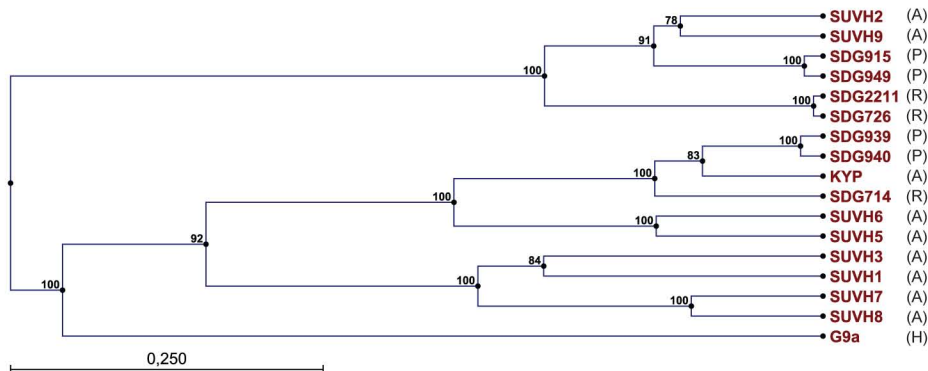
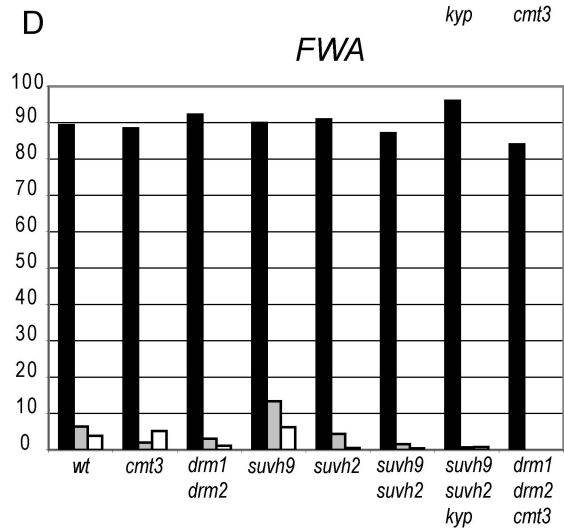
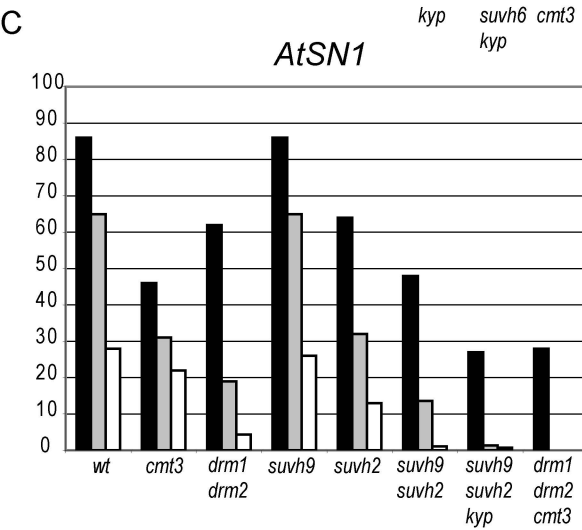
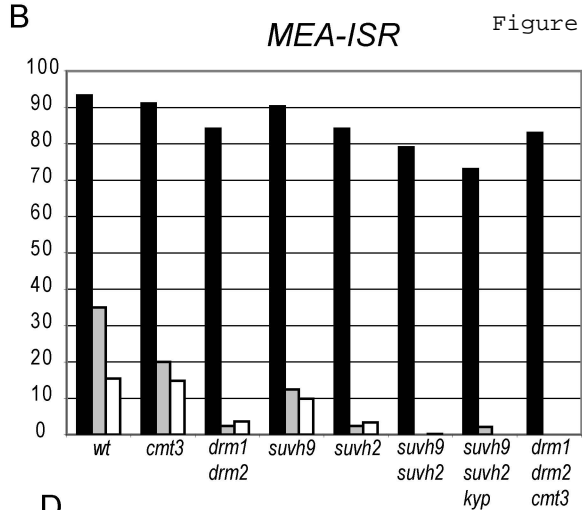
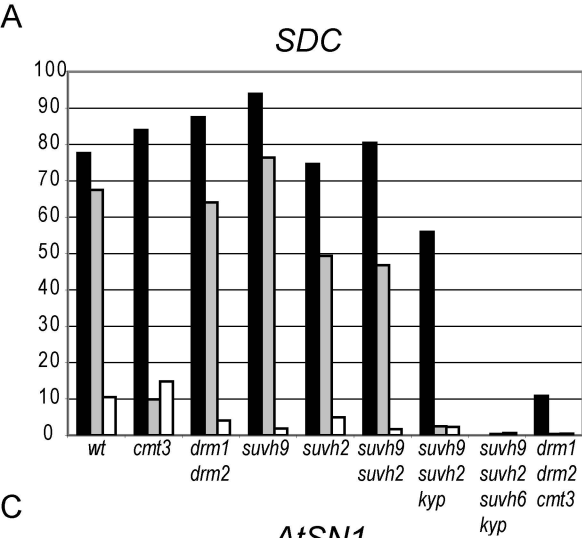


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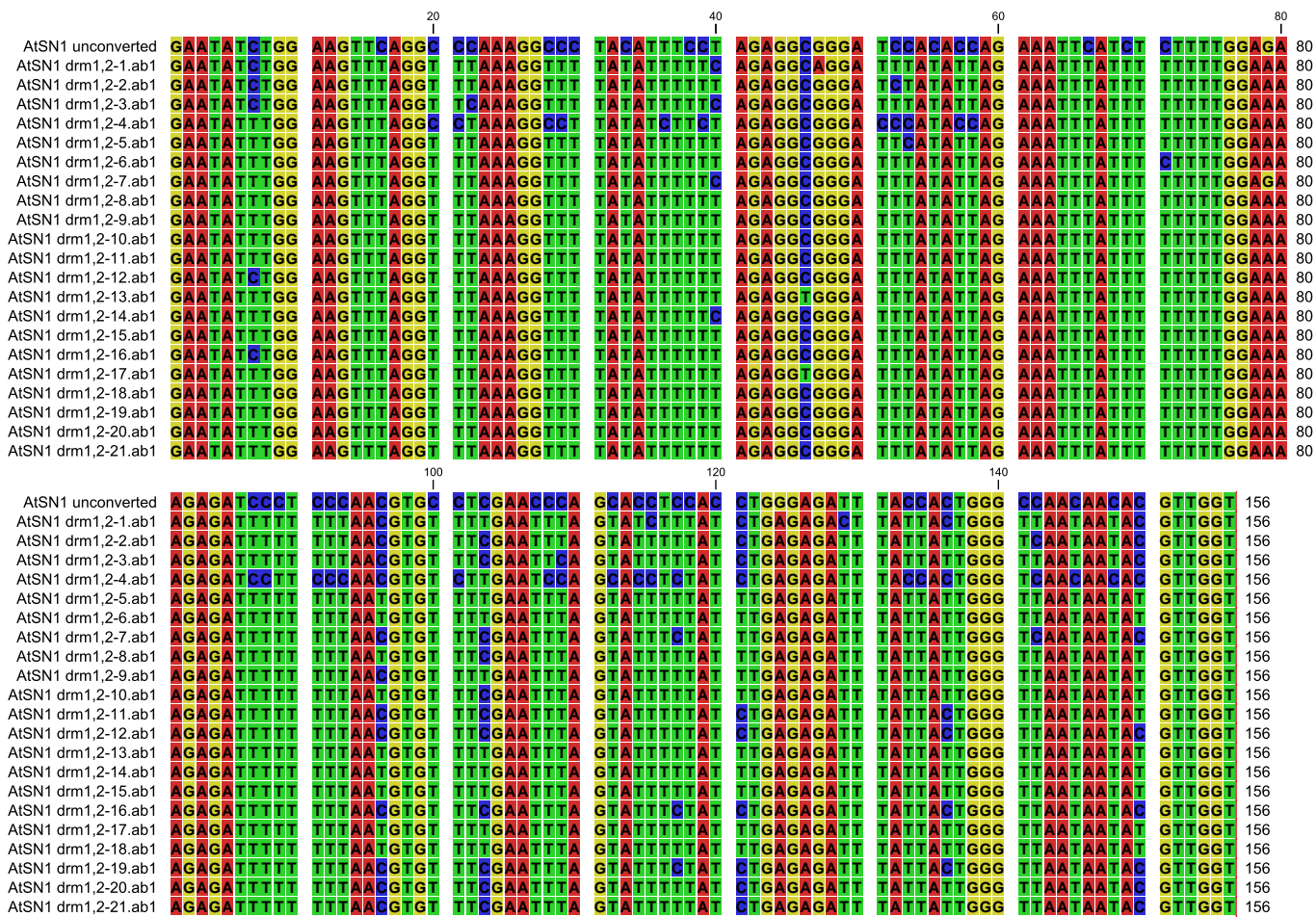


B

			20		40	
(A)	SUVH2	<b>VSRMRNVACY</b>	<b>ISHSKEPNVM</b>	<b>VQFVLHDHNN</b>	<b>L-MFPRVMLF</b>	<b>ALENISPLAE</b> 49
(A)	SUVH9	<b>VSKMRNVACY</b>	<b>ISHSTDPNVI</b>	<b>VQFVLHDHNS</b>	<b>L-MFPRVMLF</b>	<b>AAENIPPMTE</b> 49
(P)	SDG915	<b>VSKMRNVACY</b>	<b>MSHSSAPNVL</b>	<b>VQFVLYDHNN</b>	<b>L-MFPHIMLF</b>	<b>AMENIPPLRE</b> 49
(P)	SDG949	<b>VSKMRNVACY</b>	<b>MSHSSTPNVL</b>	<b>VQFVLYDHNN</b>	<b>L-MFPHIMLF</b>	<b>AMENIPPLRE</b> 49
(R)	SDG2211	<b>VSRRARNVACY</b>	<b>FSHSCSPNVF</b>	<b>VQFVLFHDYNN</b>	<b>A-AYPHLMIF</b>	<b>AMENIPPLRE</b> 49
(R)	SDG726	<b>VSRRARNVACY</b>	<b>FSHSCSPNVF</b>	<b>VQFVLFHDYNN</b>	<b>A-AYPHLMIF</b>	<b>AMENIPPLRE</b> 49
(P)	SDG940	<b>AGSTGNIARF</b>	<b>INHSCPNLF</b>	<b>VQCVLSSHHD</b>	<b>VKL-ARVMLF</b>	<b>AADNIPPMQE</b> 49
(P)	SDG939	<b>AGSTGNIARF</b>	<b>INHSCPNLF</b>	<b>VQCVLSSHHD</b>	<b>VKL-ARVMLF</b>	<b>AADNIPPMQE</b> 49
(A)	KYP	<b>AGSTGNFARF</b>	<b>INHSCPNLF</b>	<b>VQCVLSSHQD</b>	<b>IRL-ARVVLV</b>	<b>AADNISPMQE</b> 49
(R)	SDG714	<b>AGSIGNFARF</b>	<b>INHSCPNLF</b>	<b>VQCVLSSHHD</b>	<b>VKL-AKVTLF</b>	<b>AADTILPLQE</b> 49
(A)	SUVH6	<b>AASKGNVGRF</b>	<b>INHSCSPNLY</b>	<b>AQNVLYDHED</b>	<b>SRI-PHVMMF</b>	<b>AQDNIPPLQE</b> 49
(A)	SUVH5	<b>AAQKGNIGRF</b>	<b>INHSCSPNLY</b>	<b>AQDVLYDHEE</b>	<b>IRI-PHIMFF</b>	<b>ALDNIPPLQE</b> 49
(A)	SUVH3	<b>AKKFGNVARF</b>	<b>MNHSCSPNVF</b>	<b>WQPVIRE-GN</b>	<b>GESV IHIAFF</b>	<b>AMRHIPPMAE</b> 49
(A)	SUVH1	<b>AKNVGNVARE</b>	<b>MNHSCSPNVF</b>	<b>WQPVSYE-NN</b>	<b>SQLFVHVAF</b>	<b>AISHIPPMTE</b> 49
(A)	SUVH7	<b>AKEKGNVGRF</b>	<b>MNHSCSPNVF</b>	<b>WQPIEYE-NR</b>	<b>GDVYLLIGLF</b>	<b>AMKHIPPMTE</b> 49
(A)	SUVH8	<b>AKEKGNVGRF</b>	<b>MNHSCSPNVF</b>	<b>WQPIEYDDNN</b>	<b>GHIYVRIGLF</b>	<b>AMKHIPPMTE</b> 50
(H)	G9a	<b>ARYYGNISRF</b>	<b>INHLCDPNII</b>	<b>PVRVFMLHQD</b>	<b>LR-FPRIAFF</b>	<b>SSRDIRTGEE</b> 49
			60		80	
(A)	SUVH2	<b>LSLDYGLA-D</b>	<b>EVNGKLAICN</b>	<b>*-----</b>	<b>-----</b>	<b>69</b>
(A)	SUVH9	<b>LSLDYGVV-D</b>	<b>DWNAKLAICN</b>	<b>*-----</b>	<b>-----</b>	<b>69</b>
(P)	SDG915	<b>LSLDYGVA-D</b>	<b>GWTGKLAICN</b>	<b>-----</b>	<b>-----</b>	<b>68</b>
(P)	SDG949	<b>LSLDYGVA-D</b>	<b>EWGKLAICN</b>	<b>-----</b>	<b>-----</b>	<b>68</b>
(R)	SDG2211	<b>LSIDYGM I-D</b>	<b>EWVGKLT M--</b>	<b>-----</b>	<b>-----</b>	<b>66</b>
(R)	SDG726	<b>LSIDYGM I-D</b>	<b>EWVGKLT M*</b>	<b>-----</b>	<b>-----</b>	<b>67</b>
(P)	SDG940	<b>LYDYGVALD</b>	<b>SVSGPDGKI I</b>	<b>--QMPCYCG</b>	<b>AADCRKRLF-</b>	<b>85</b>
(P)	SDG939	<b>LYDYGVALD</b>	<b>SVSGPSGKI K</b>	<b>--QMPCYCG</b>	<b>AADCRKRLF-</b>	<b>85</b>
(A)	KYP	<b>LYDYGVALD</b>	<b>SVHGPDKVKV K</b>	<b>--QLACYCG</b>	<b>ALNCRKRLY*</b>	<b>86</b>
(R)	SDG714	<b>LSYDYGVALD</b>	<b>SVVGPDGN I V</b>	<b>--KLPCFCG</b>	<b>APYCRKRLY-</b>	<b>85</b>
(A)	SUVH6	<b>LCYDYNALD</b>	<b>QVRDSKGN I K</b>	<b>--QKPCFCG</b>	<b>AAVCRRLY*</b>	<b>86</b>
(A)	SUVH5	<b>LSYDNYKID</b>	<b>QVYDSNGN I K</b>	<b>--KKFCYCG</b>	<b>SAECSGRLY-</b>	<b>85</b>
(A)	SUVH3	<b>LYDYGISPT</b>	<b>SEARDESLL-</b>	<b>-HGQRTCLCG</b>	<b>SEQCRGSFG*</b>	<b>87</b>
(A)	SUVH1	<b>LYDYGVSRR</b>	<b>SGTQNGNPL-</b>	<b>-YGKRKFCG</b>	<b>SAYCRGSFG-</b>	<b>86</b>
(A)	SUVH7	<b>LYDYGVSVC</b>	<b>ERSEEDVLL</b>	<b>YKGGKTCCLCG</b>	<b>SVKCRGSF-T</b>	<b>88</b>
(A)	SUVH8	<b>LYDYGISCV</b>	<b>EKTGEDEVI-</b>	<b>YKGGKICLCG</b>	<b>SVKCRGSFG*</b>	<b>89</b>
(H)	G9a	<b>LGFYDGRFWD</b>	<b>DIKSK-----</b>	<b>---YFTCQCG</b>	<b>SEKCKHSAEA</b>	<b>81</b>



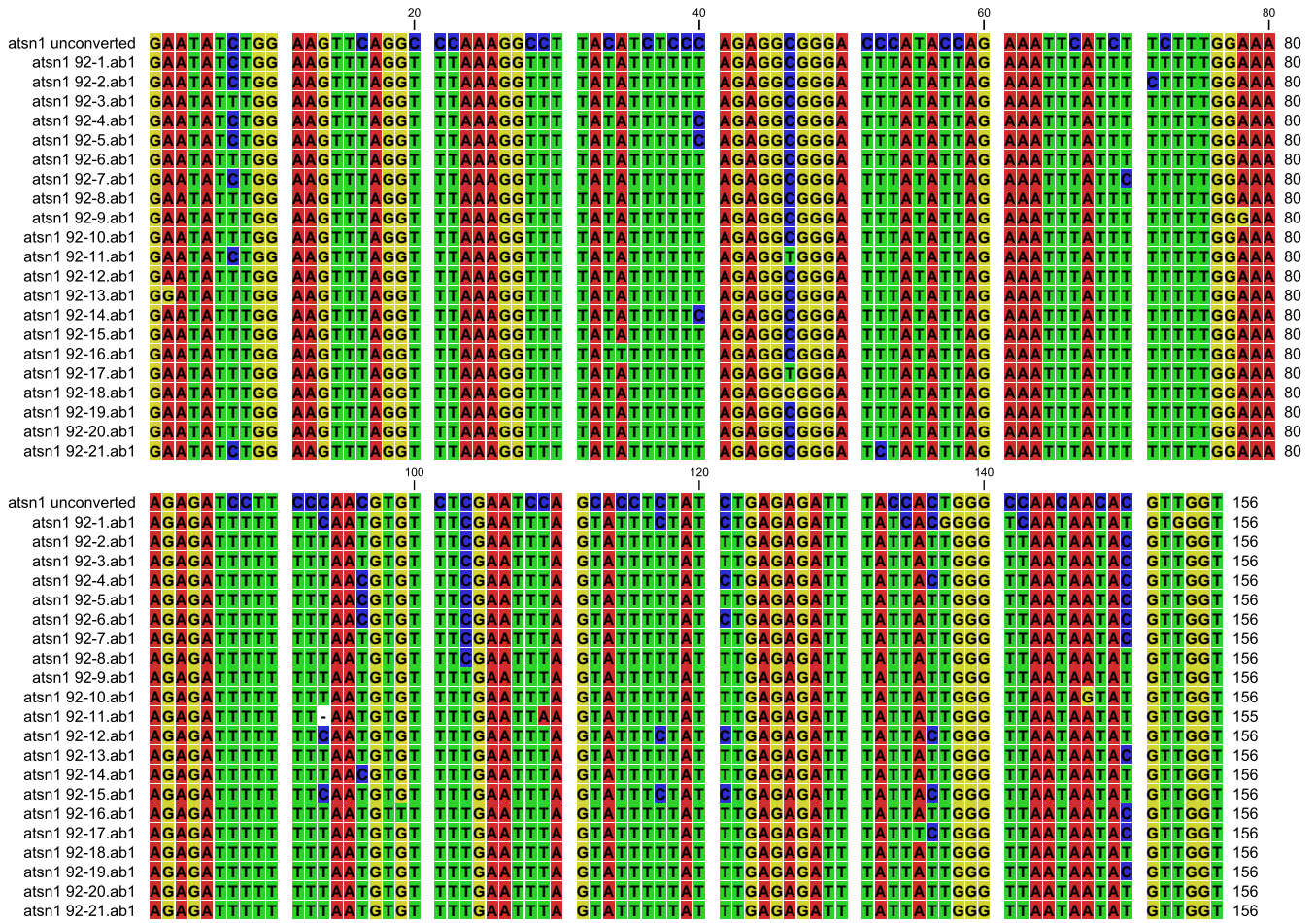




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AtSN1 cmt3-2.ab1	G A A T A T C T G G	A A G T T C A G G T	C C A A A G G C C T	T A C A T C T C C C	A G A G G T G G G A	C T C A T A C C A G	A A A T T C A T - T	T T T T T G G A A A	79
AtSN1 cmt3-3.ab1	G A A T A T C T G G	A A G T T C A G G C	C C A A A G G C C T	T A C A T C T C C C	A G A G G G G G G A	C C C A T A C C A G	A A A T T C A T C T	T C T T T G G A A A	80
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AtSN1 cmt3-5.ab1	G A A T A T T T G G	A A - C C C G G G T	T C A A A G G T T T	T A T T T T T T T T	A G A G G G G G G A	T T T G T T T T A G	A A A T C T A - C T	T T T T T G G A A A	78
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		100		120		140			
AtSN1 uncovered	A G A G A T C C C T	C C C A A G G T G C	C T G A A A C C C A	G C A C C T C C A C	C T G G G A G A T T	T A C C A C T G G G	C C A A C A A C A C	G T T G G T	156
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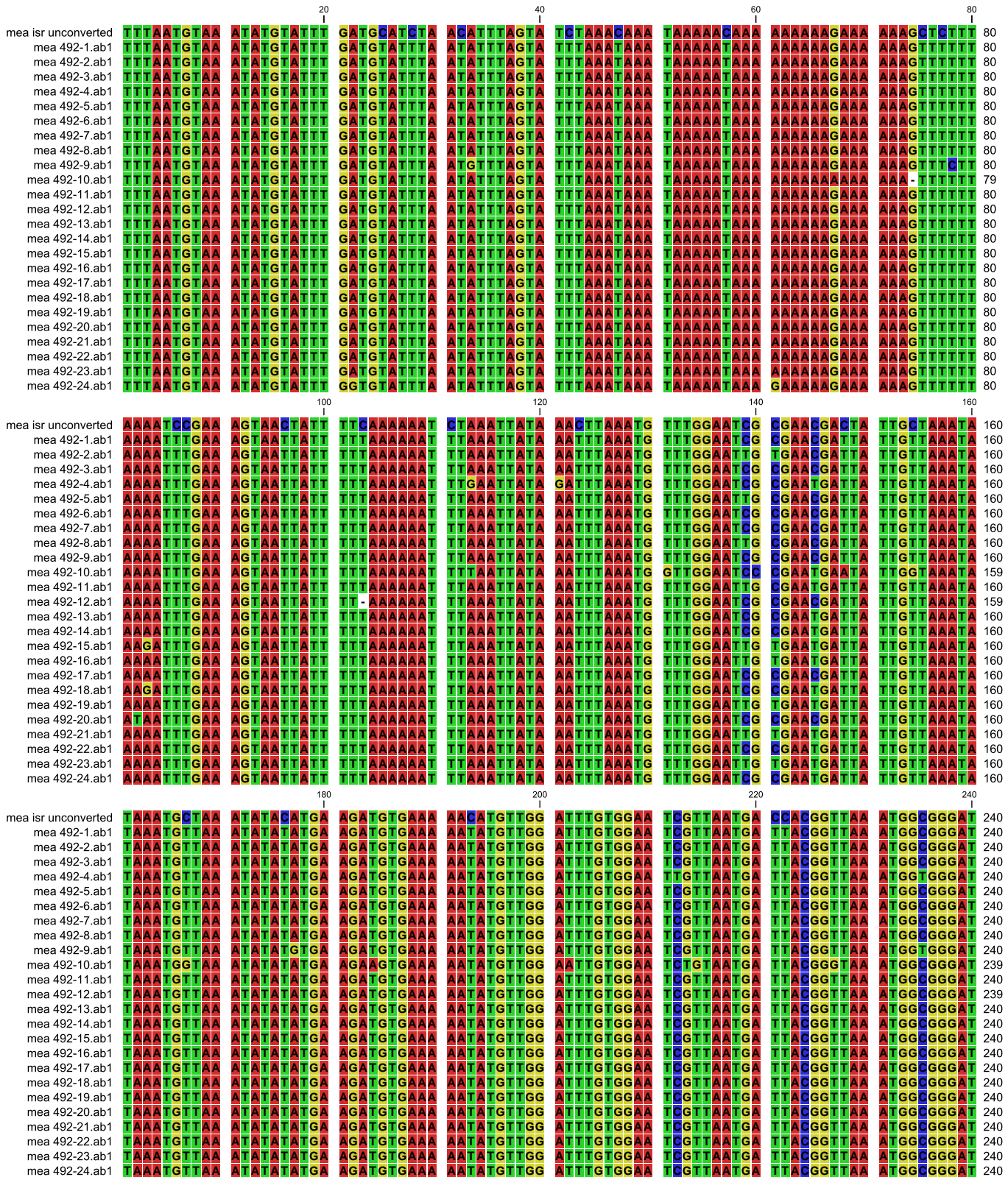
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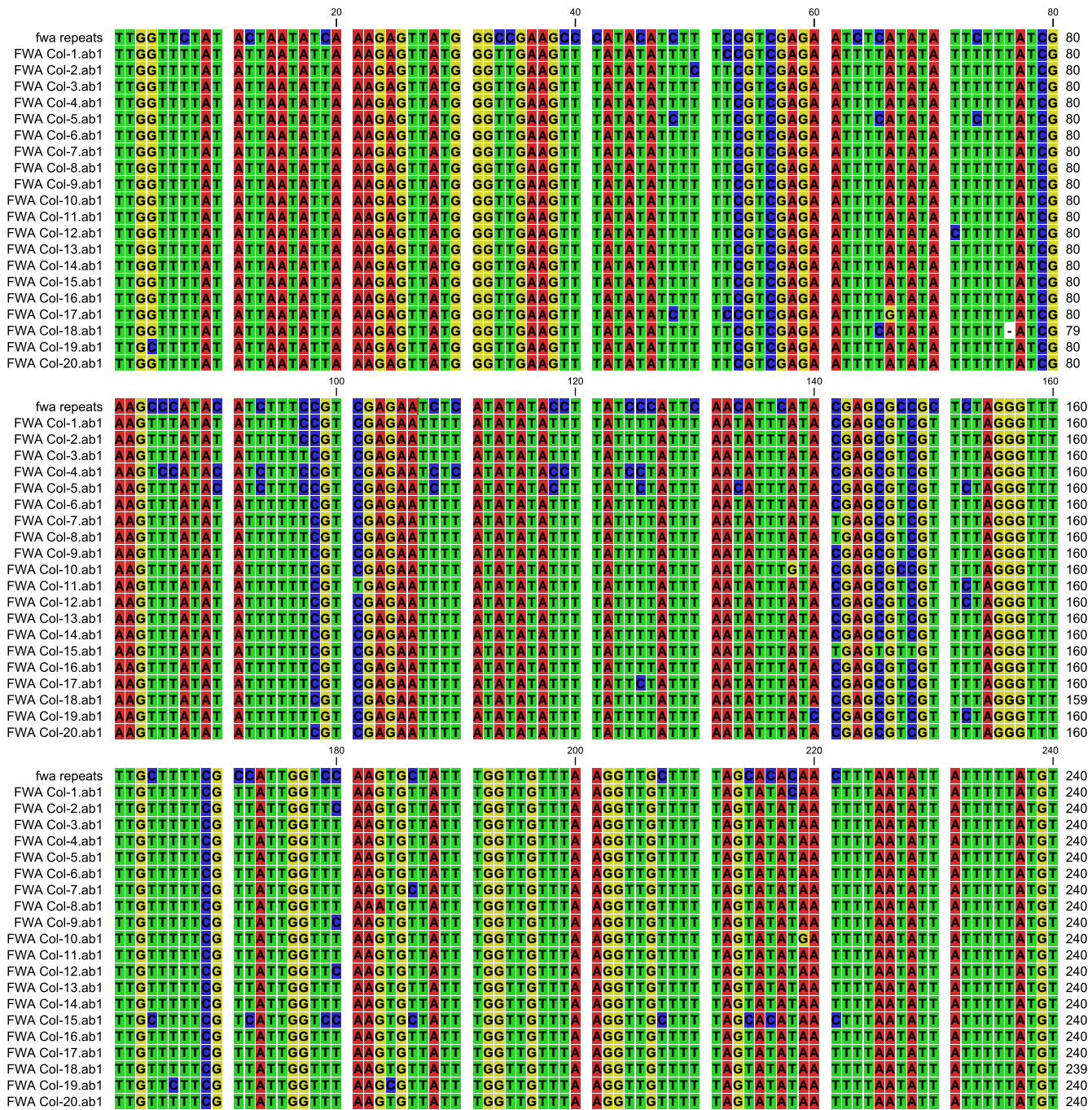




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FWA Col-6.ab1	ATAC	GGAA	TTAG	TTTT	GTTG	TTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559
FWA Col-7.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559
FWA Col-8.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	560
FWA Col-9.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	560
FWA Col-10.ab1	ATAC	GGAA	TTAG	TTTT	GTTG	TTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	560
FWA Col-11.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	560
FWA Col-12.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559
FWA Col-13.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559
FWA Col-14.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559
FWA Col-15.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	560
FWA Col-16.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559
FWA Col-17.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	560
FWA Col-18.ab1	ATAC	GGAA	TTAG	TTTT	GTTG	TTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559
FWA Col-19.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	558
FWA Col-20.ab1	ATATT	GATAA	TTAGA	TTTTT	GTTG	TTTTT	TTAG	TTGAAA	ATTAG	ATTTTT	TTTT	AT	ATTTTT	GTTT	AGAGAA	TGAT	TTTT	GGT	559

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





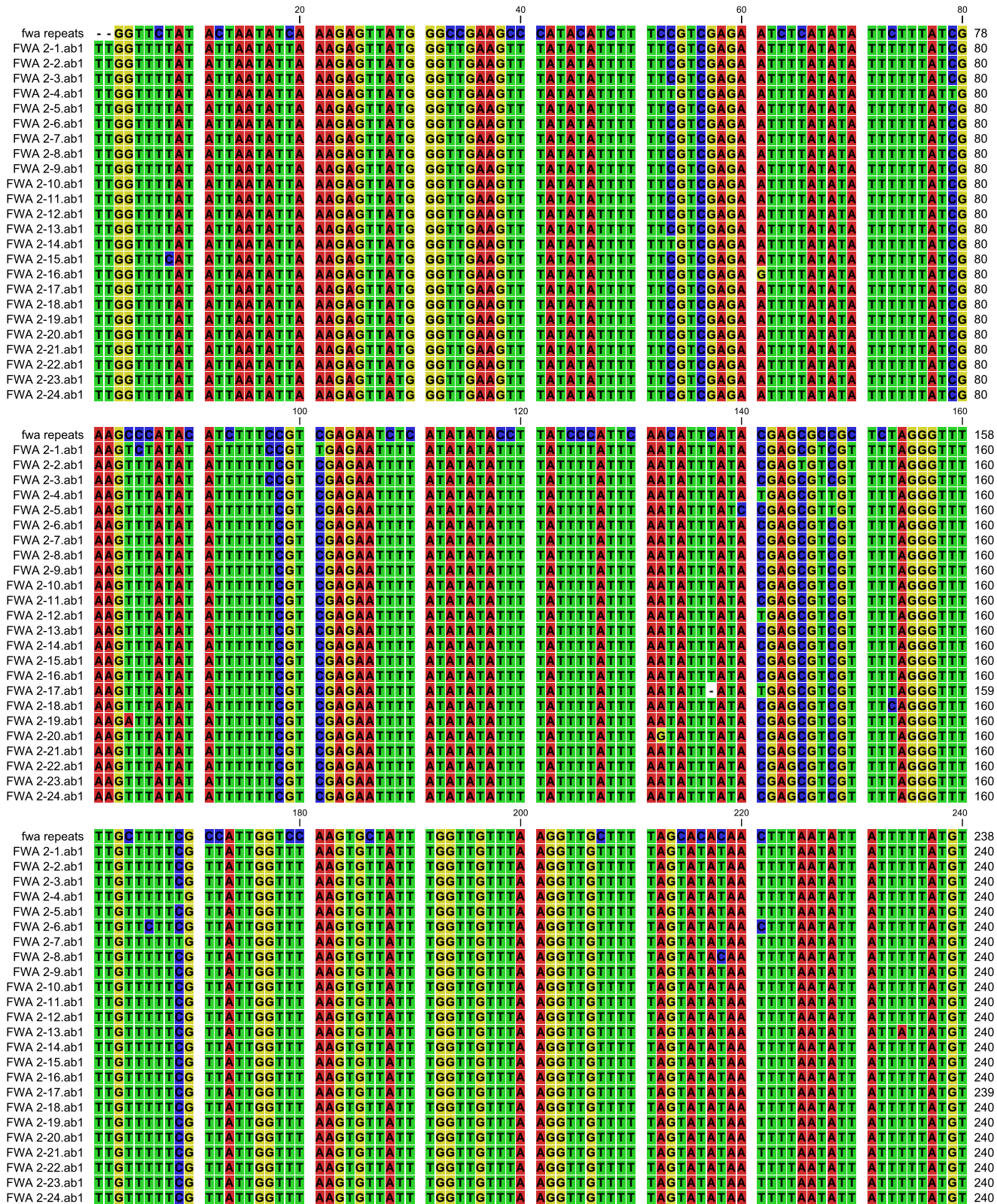


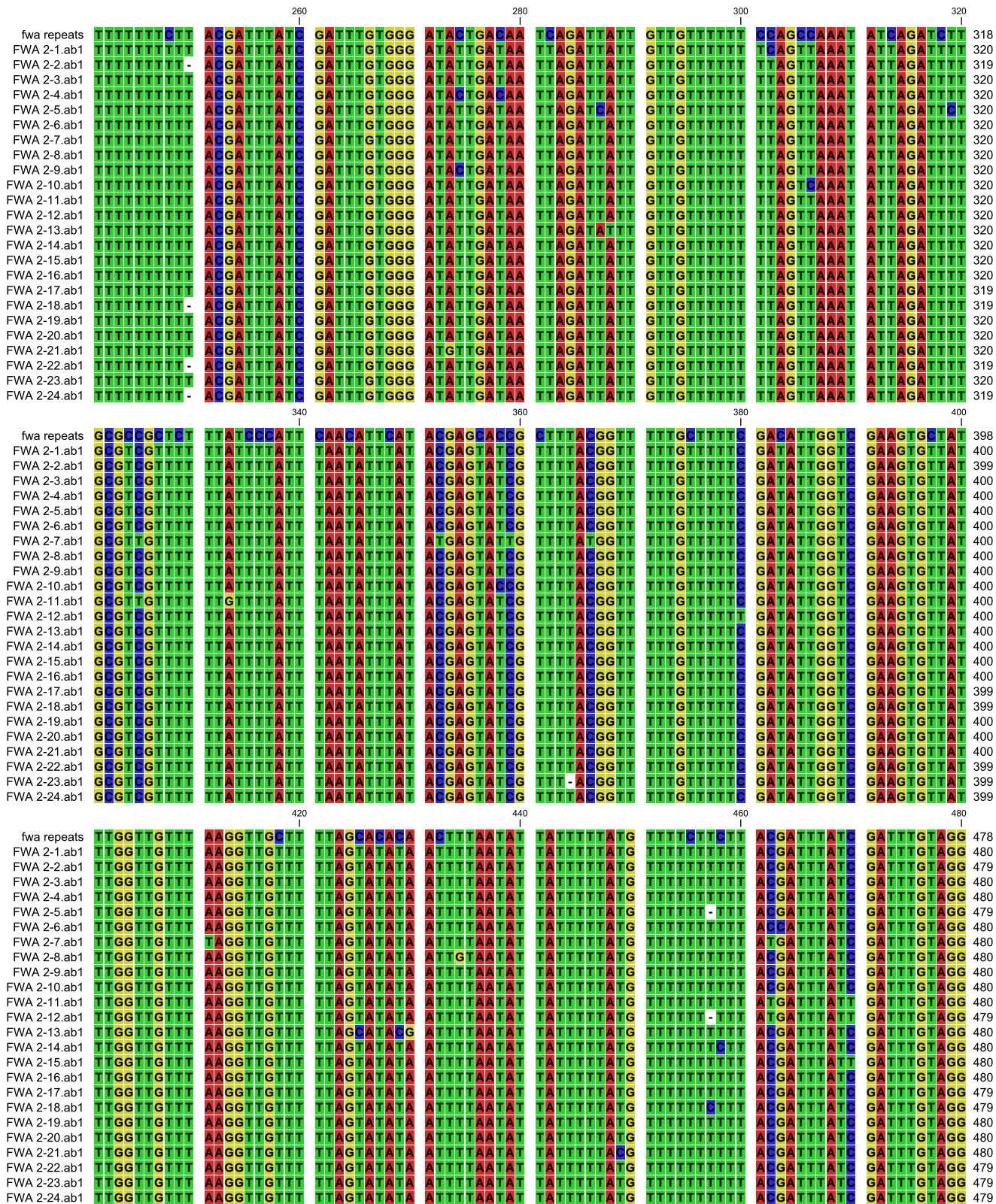












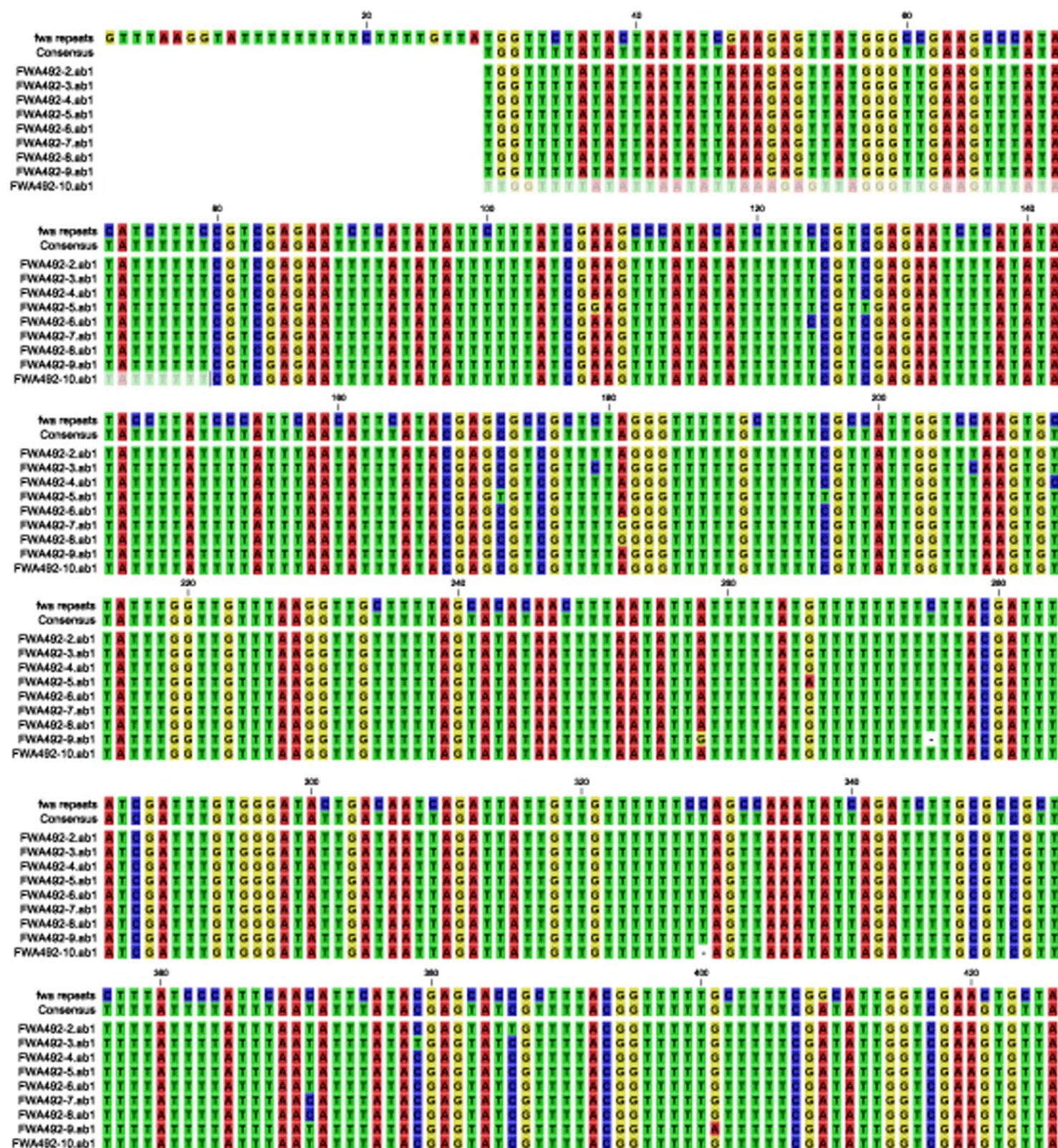












440 480 520

fw repeats  
Consensus

FWA492-2.ab1  
FWA492-3.ab1  
FWA492-4.ab1  
FWA492-5.ab1  
FWA492-6.ab1  
FWA492-7.ab1  
FWA492-8.ab1  
FWA492-9.ab1  
FWA492-10.ab1

500 520 540 560

fw repeats  
Consensus

FWA492-2.ab1  
FWA492-3.ab1  
FWA492-4.ab1  
FWA492-5.ab1  
FWA492-6.ab1  
FWA492-7.ab1  
FWA492-8.ab1  
FWA492-9.ab1  
FWA492-10.ab1

580

fw repeats  
Consensus

FWA492-2.ab1  
FWA492-3.ab1  
FWA492-4.ab1  
FWA492-5.ab1  
FWA492-6.ab1  
FWA492-7.ab1  
FWA492-8.ab1  
FWA492-9.ab1  
FWA492-10.ab1







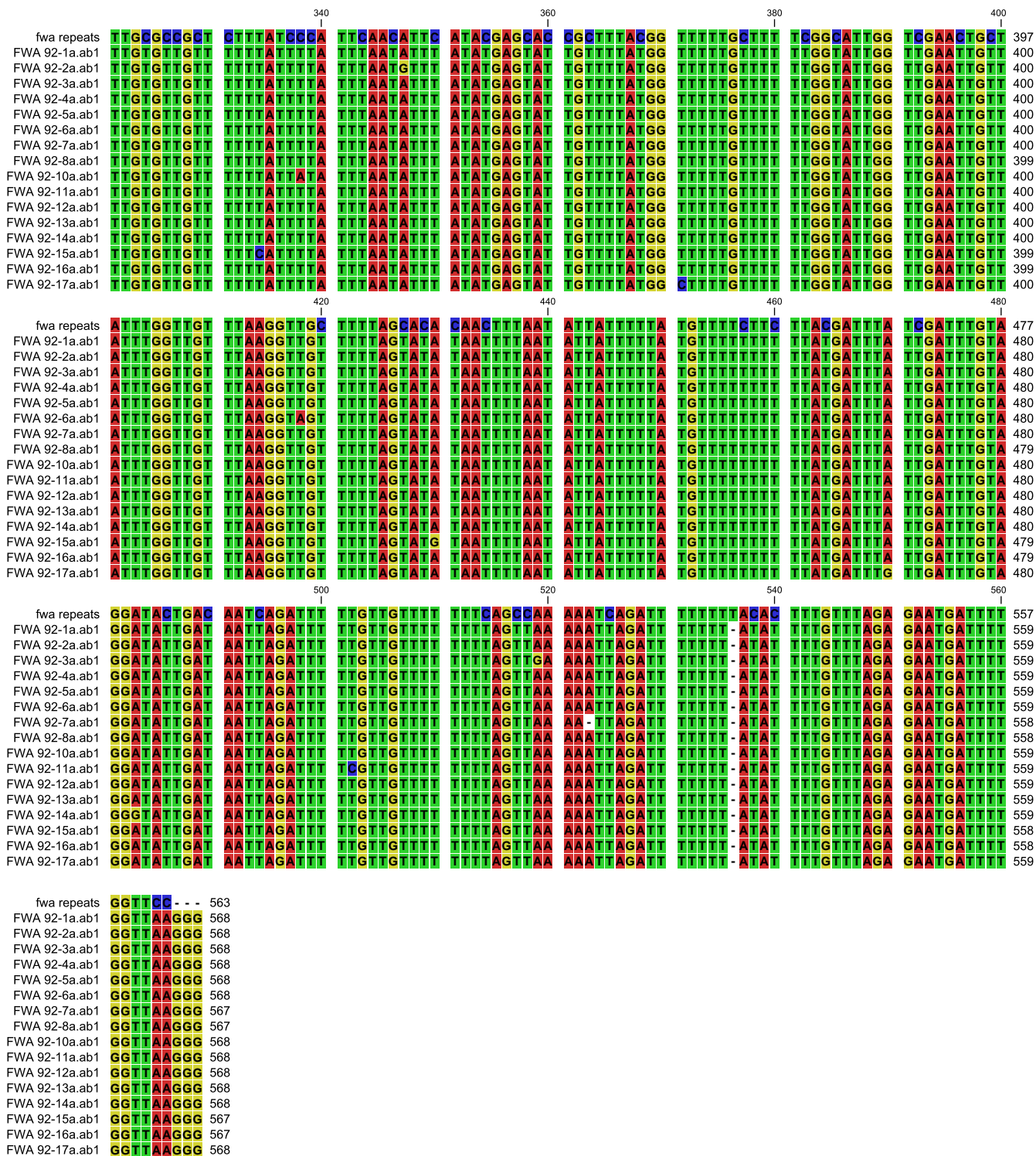


		420		440		460		480	
fwa repeats	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	477
FWA 9-1L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-2L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	479
FWA 9-3L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-4L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-5L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	479
FWA 9-6L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-7L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-8L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	479
FWA 9-9L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-10L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	T - A TGAT TTA	TCGA TTT GTA	479
FWA 9-11L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-12L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	TTA TGAT TTA	TCGA TTT GTA	480
FWA 9-13L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	T - A TGAT TTA	TCGA TTT GTA	479
FWA 9-14L.ab1	A TTT GGT TGT	TTAA GGT TGT	TTTT AGT ATA	TAAT TTT AAT	ATT AT TTT TA	TG TTT TTT TTT	T - A TGAT TTA	TCGA TTT GTA	479

		500		520		540		560	
fwa repeats	GGAT AACTGAC	AAATCAGATTT	TTGTTGTTTT	TTTTCAGCCAA	AAATCAGATT	TTTTTTACAC	TTTGTTTAGA	GAAAGATTTT	557
FWA 9-1L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	559
FWA 9-2L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558
FWA 9-3L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558
FWA 9-4L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558
FWA 9-5L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558
FWA 9-6L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	559
FWA 9-7L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	559
FWA 9-8L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558
FWA 9-9L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	559
FWA 9-10L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558
FWA 9-11L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558
FWA 9-12L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	559
FWA 9-13L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	559
FWA 9-14L.ab1	GGAT AACTGAT	AAATCAGATTT	TTGTTGTTTT	TTTTCAGTTAA	AAATCAGATT	TTTTTT - AAT	TTTGTTTAGA	GAAAGATTTT	558

fwa repeats	GGTTCC - -	563
FWA 9-1L.ab1	GGTTAAGGG	568
FWA 9-2L.ab1	GGTTAAGGG	567
FWA 9-3L.ab1	GGTTAAGGG	567
FWA 9-4L.ab1	GGTTAAGGG	567
FWA 9-5L.ab1	GGTTAAGGG	567
FWA 9-6L.ab1	GGTTAAGGG	568
FWA 9-7L.ab1	GGTTAAGGG	568
FWA 9-8L.ab1	GGTTAAGGG	567
FWA 9-9L.ab1	GGTTAAGGG	568
FWA 9-10L.ab1	GGTTAAGGG	567
FWA 9-11L.ab1	GGTTAAGGG	567
FWA 9-12L.ab1	GGTTAAGGG	568
FWA 9-13L.ab1	GGTTAAGGG	568
FWA 9-14L.ab1	GGTTAAGGG	567







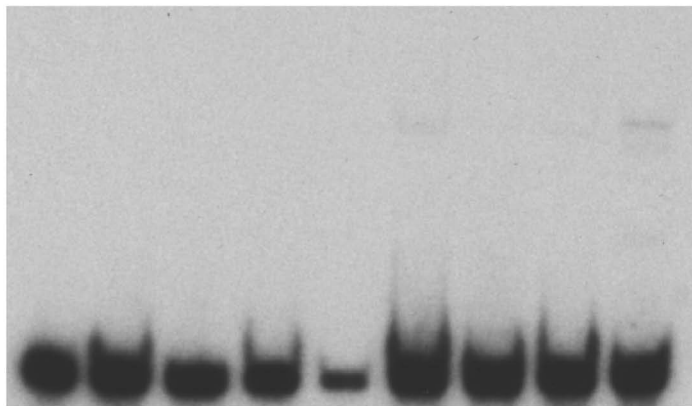








Probe	<u>uCHG</u>			<u>uCHH</u>		<u>hCG</u>		<u>hCHG</u>	
SRA	-	2	9	2	9	2	9	2	9



## JP 746

