

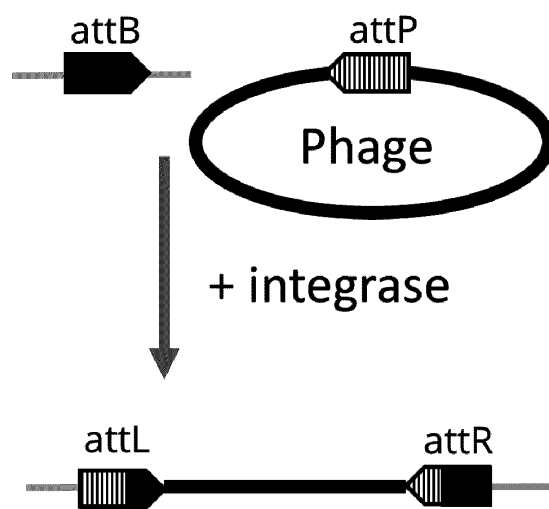


Fig. 1

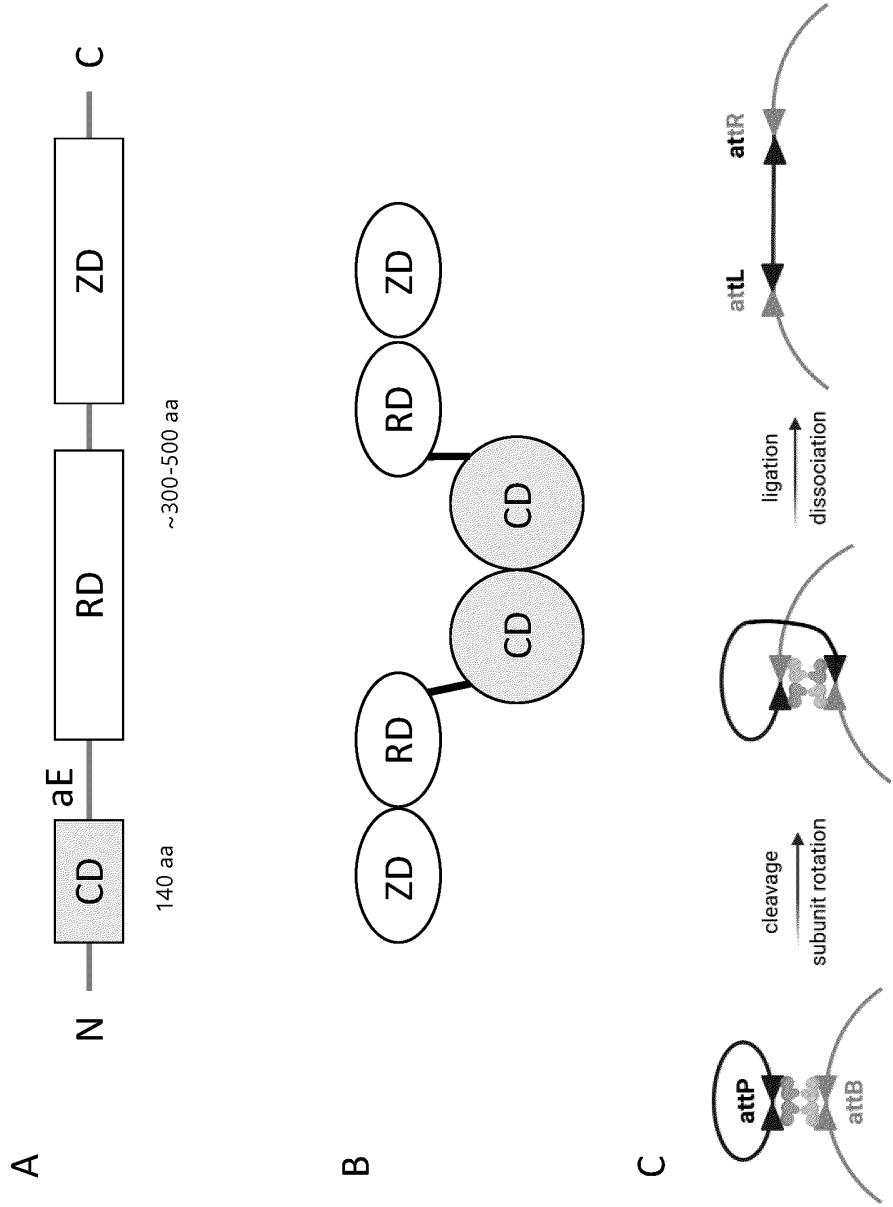


Fig. 2

A

WT	attP66	TCCAACTCGCTTAATTGCGAGTTTATTTCGTTTATT TCA AATTAAAGGTAACATAAAAACTCCCTTT	SEQ ID NO: 6
	attB45	CTGATAATTGCCAACACACAATTAAACAT TCA AATCAAGGTAATGCT	SEQ ID NO: 7
pRT798		CTAATAATACCCCAACAGAAATTAAACAT CTC AAATCAAGGTAATGCT	SEQ ID NO: 15
pRT799		CTGATAATTGCCAACACACAATTAACT CTC AAAACAAGGTAATGCT	SEQ ID NO: 16



Fig. 3

B

WT	attP52	GTAGTGTATCTCACAGGTCACCGGT T GGCCCGTGGACTGCTGAAGAACAATTCC	SEQ ID NO: 9
	attB40	GAAGGTGTTGGTGGGGGT T GGCCCGTGGTCGAGGTGGGGT	SEQ ID NO: 10
pRT824		GG AGGTGTTGGTGGGGGT T GGCCCGTGGTCGAGGTGGGGT	SEQ ID NO: 36
pRT825		GAAGGTGTTGGT CC AGCGGT T GGCCCGTGGTCGAGGTGGGGT	SEQ ID NO: 37

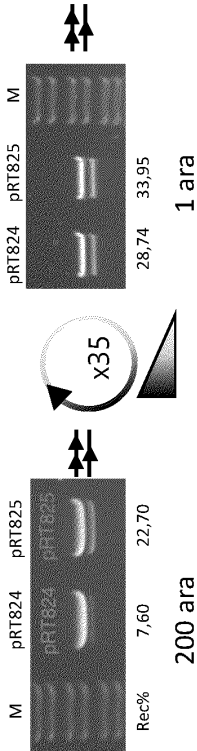


Fig. 3 continued

C

WT	attP56	TGTTTAGTTCCTCGTTTTCCTCTCGTT	GGAAAGAAAGAAACGAGAAACTAAATTA	SEQ ID NO: 12
	attB56	GTAACTTTTTCGGATCAAGCTATGAA	GGACGCAAGAGGGAACTAAACACTTAATT	SEQ ID NO: 13
	pRT783	ACTTTTTTGGCACTCTCTCCTCGTGGTCCCTACTAGGGCCAGGGCACT		23 SEQ ID NO: 57
	pRT784	ACTTATTAGTGCCTTTTTCACAGTGGCAGGATAGAAAAGTTTACACT		26 SEQ ID NO: 58
	pRT787	ACTTGTCCGGCCCGCCACCCCGGGAGGGGTGGAGGTACAGGACACT		25 SEQ ID NO: 59

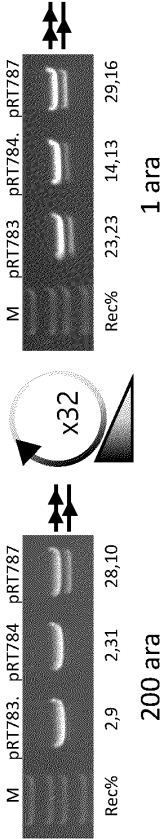


Fig. 3 continued

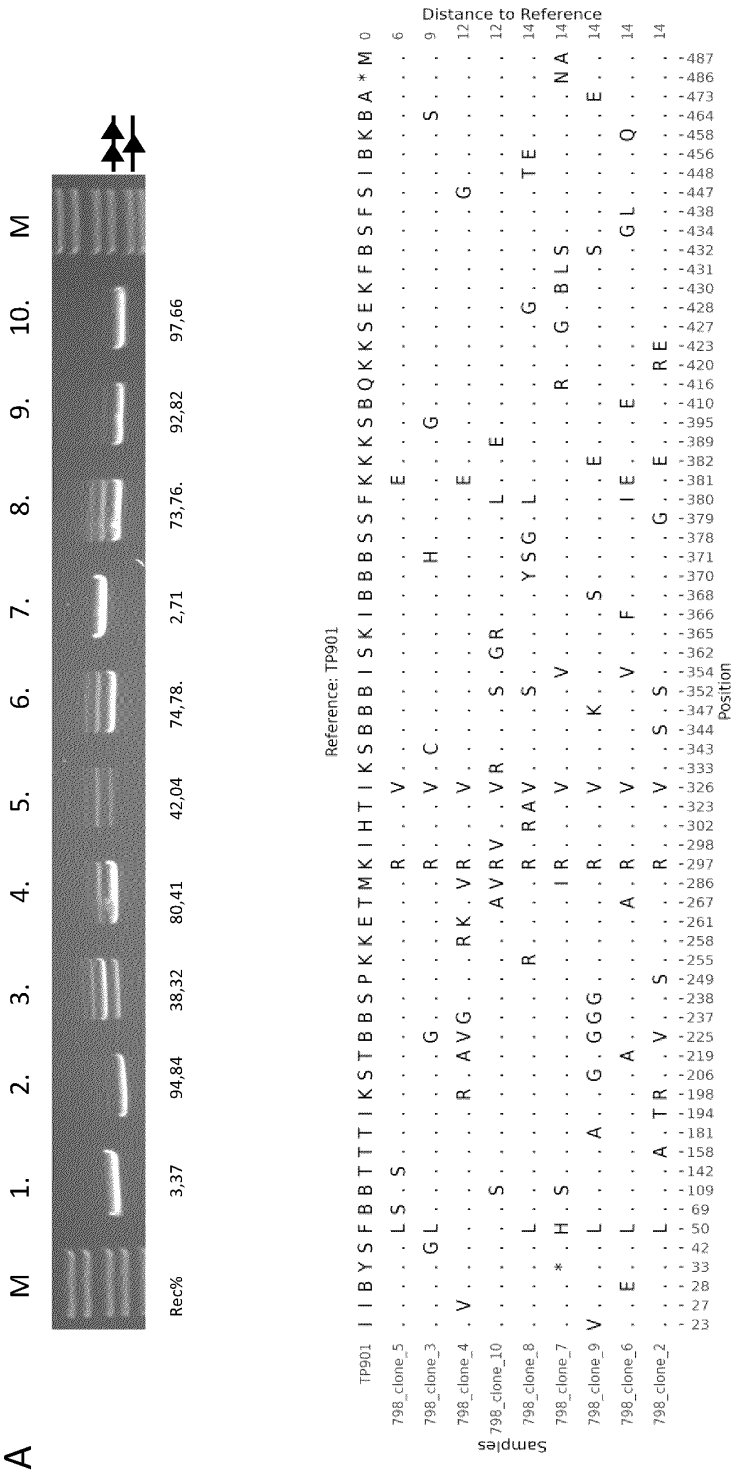


Fig. 4

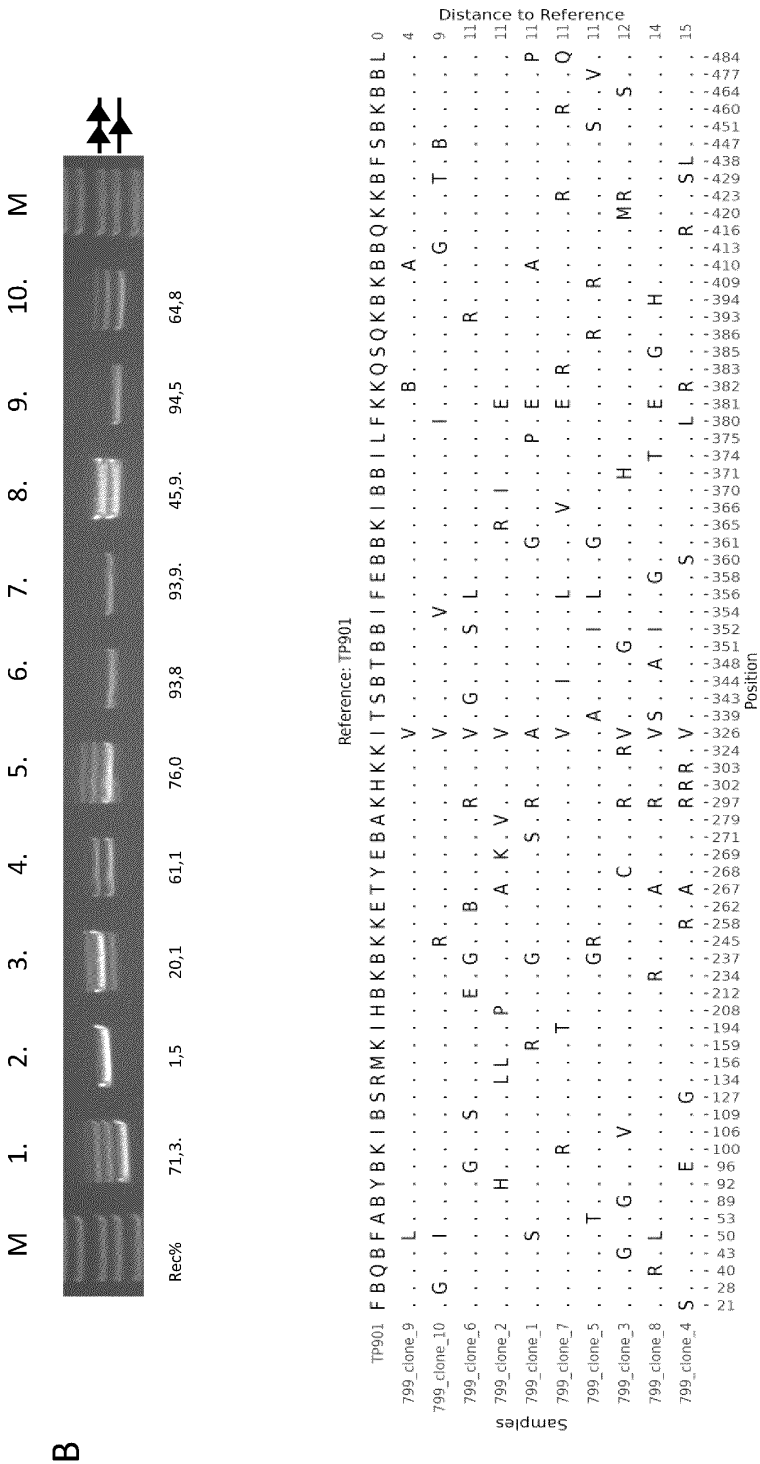


Fig. 4 continued

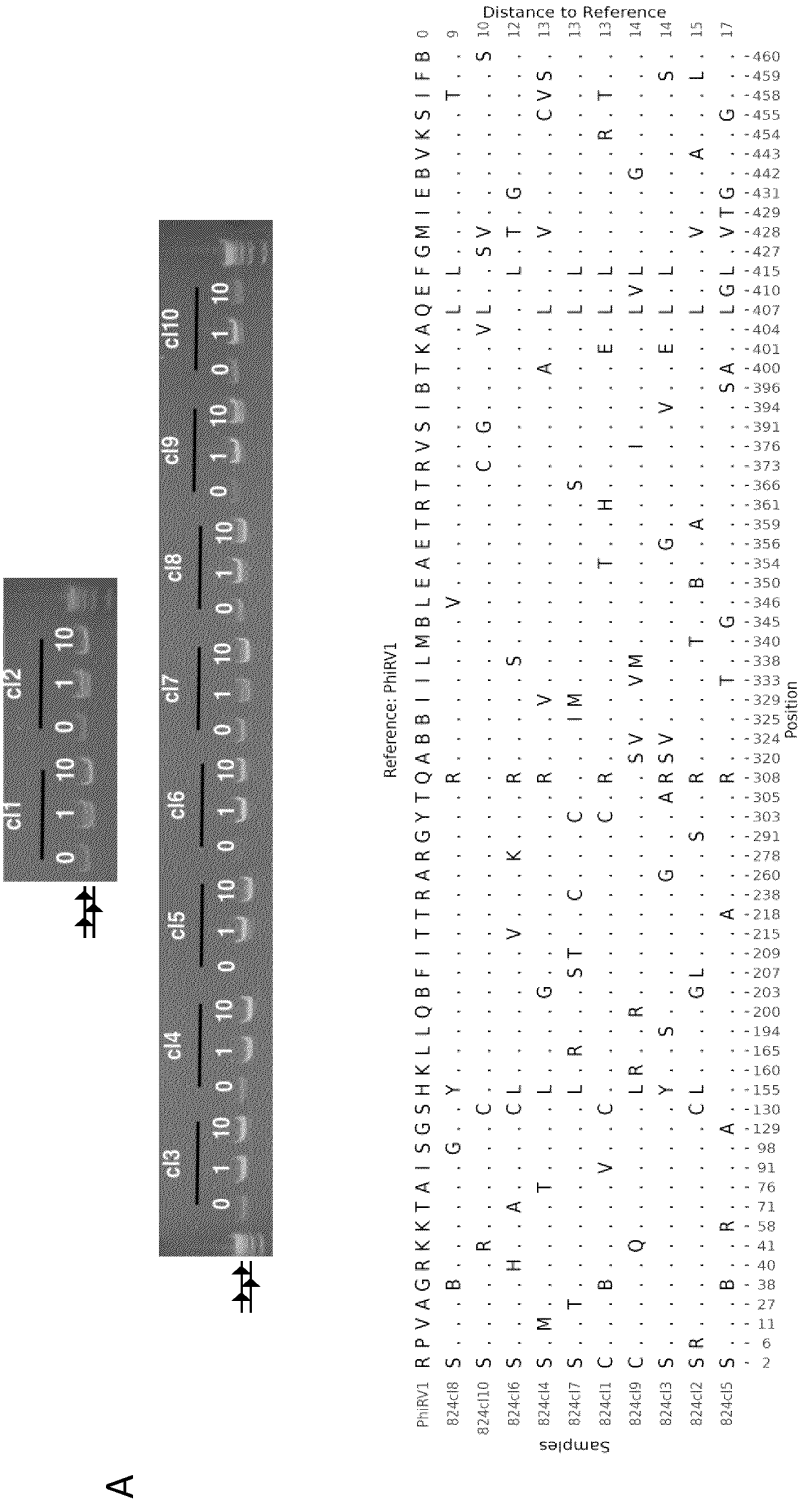


Fig. 5

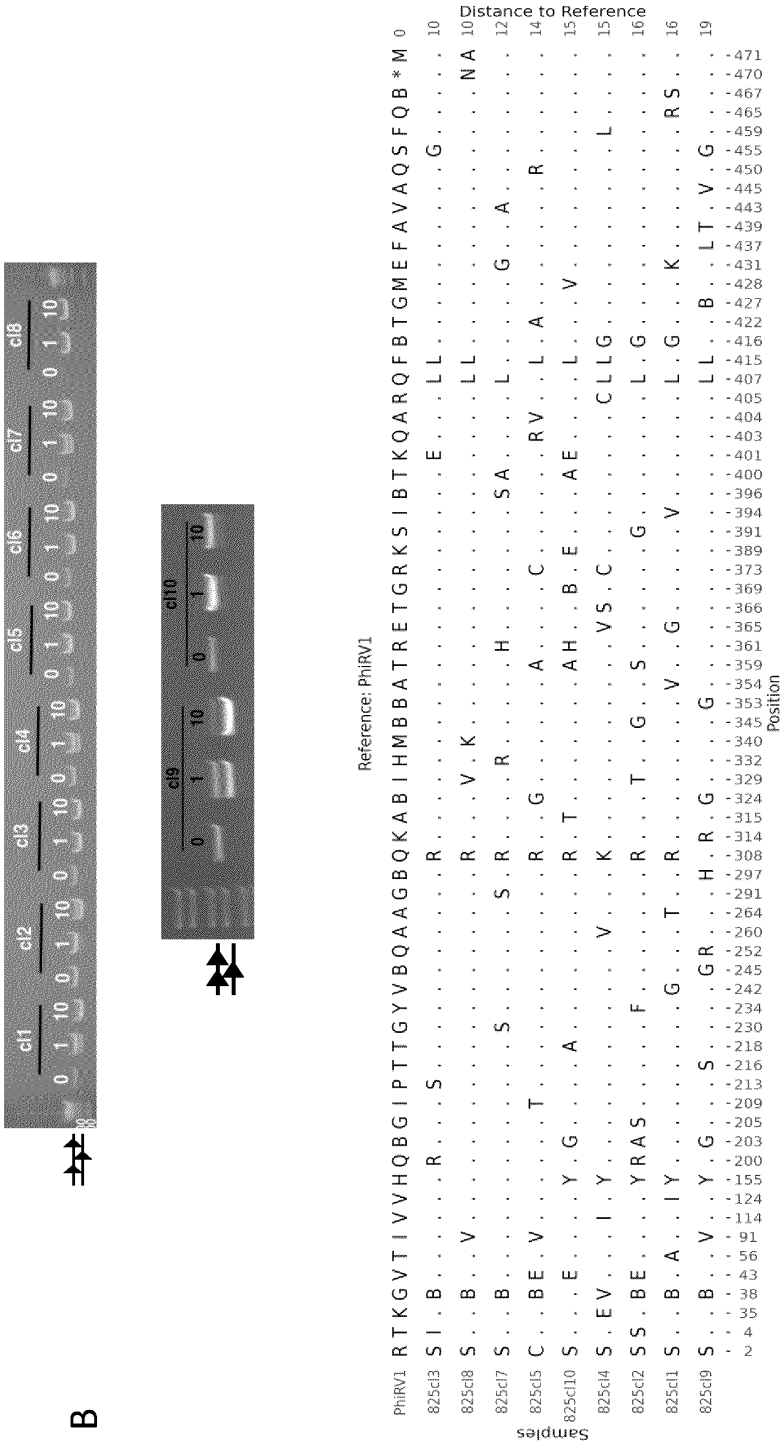
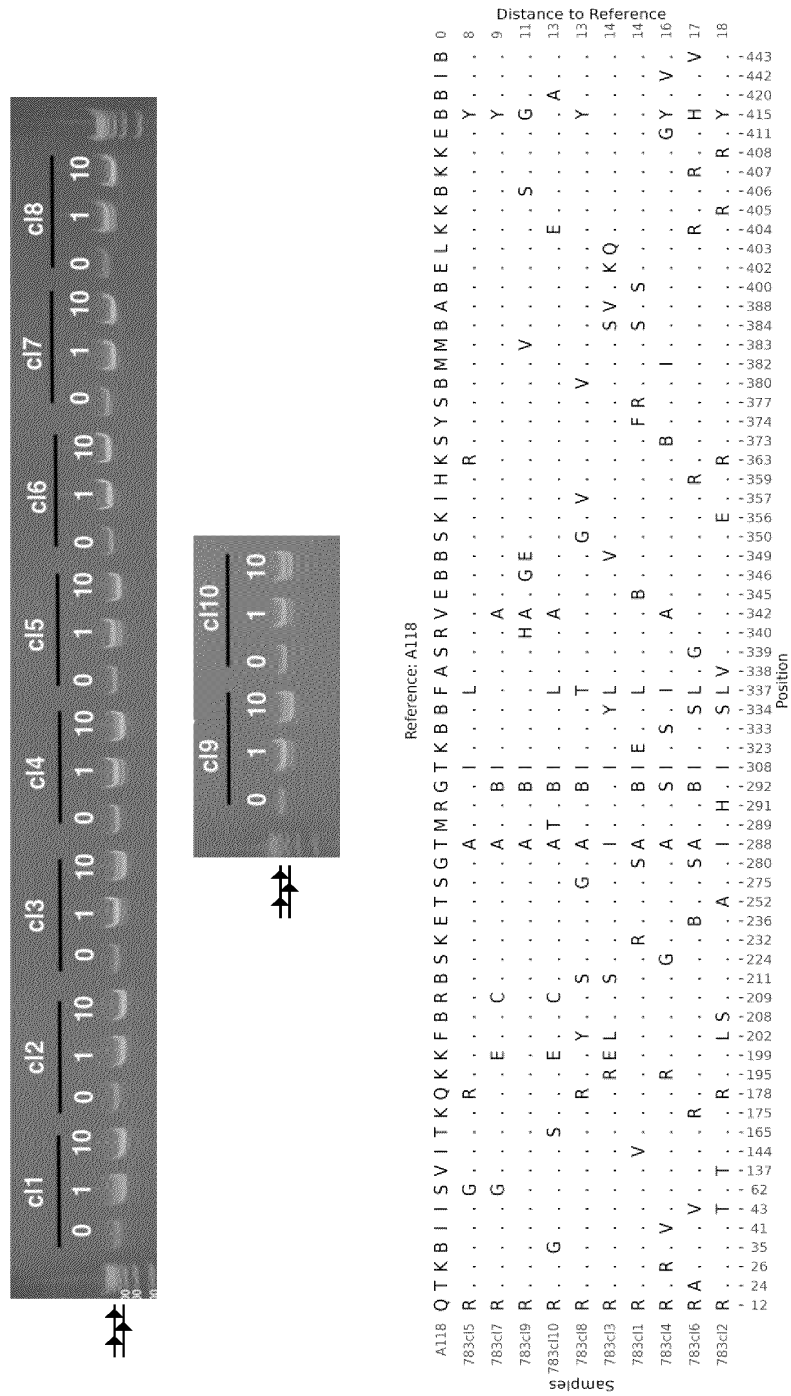
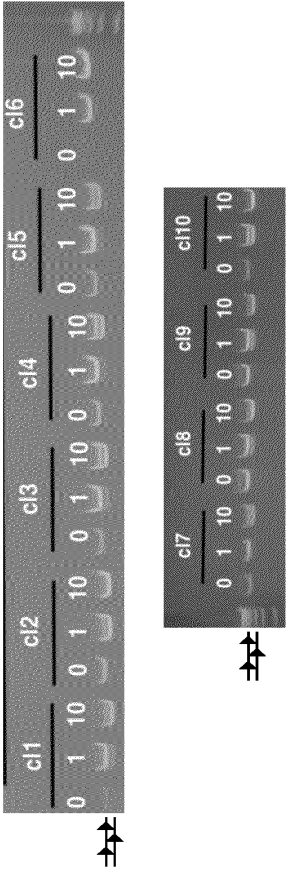


Fig. 5 continued



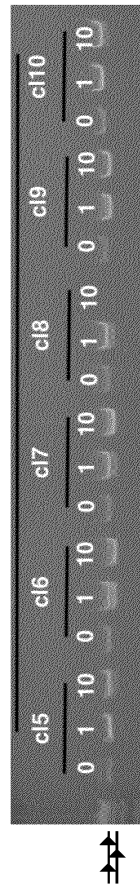
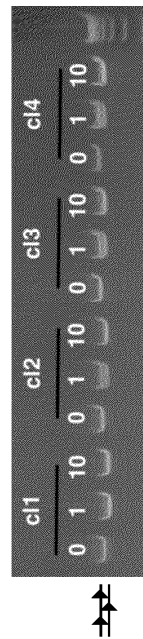
File 6

B



		Reference: A118																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Fig. 6 continued



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Reference: A118		Distance to Reference
A118	QKYIIBBSEISIVIKIEQKFKRTBRBBBKYYFTMMBBBSGMMHTHKIBSFSVSBKIKKBVSBSMBIYQEEKKIBTVFSEKEL	0
787c8	R.....S...L.V...V.R...M.....	7
787c12	R...K...S.....B.V.L.R...R.A.....	10
787c19	R.....V.K...ISG.....L.....G.R.S.Y.....	11
787c17	R...L...V...L.H...TV.G...L.B.G.....	11
787c11	R.....R.....AV.E.G.K.I...G.....R.T.S.Y.....	13
787c13	R.....V...L.SC...C.AT.K.TR...L...GV...C.G.....	15
787c4	R.H...A.V...Y.S.S...I...S.CL.R...T.V...A...Q	16
787c6	R...SS...V...RR.Q.S...S...Y.V.CL...G.E...MY.K...RB	18
787c10	R...VT...G.G...S...S...VV...T...A.S.R...B.S...G...E...RB	19
787c15	RR.V...A.VR...S...A.S.R...RI...LG.S.V.E.MG...G.R.GA...RB	23
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Fig. 6 continued

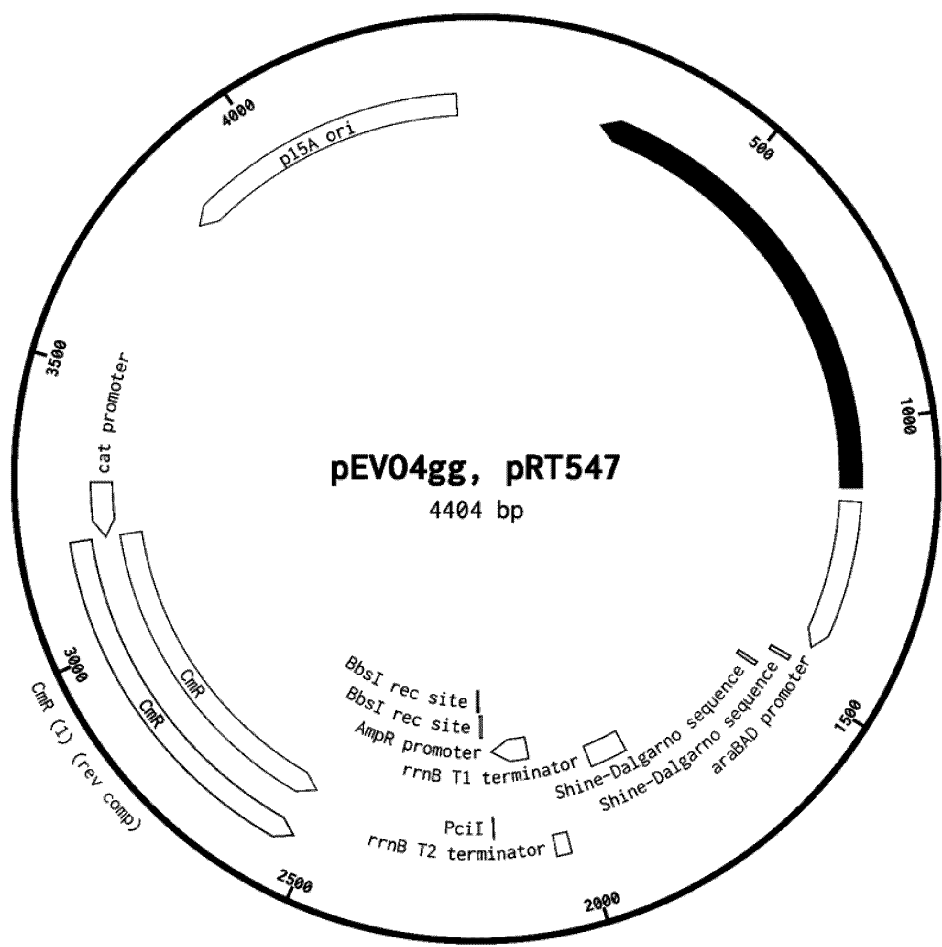


Fig. 7

A

WT	attP	GGTTGTCTGGTCAACCAACCGCGG GT CTCAGTGGTGTACGGTACAAACC	SEQ ID NO: 8393
	attB	GGCTTGTCGACGACGGCGG GT CTCCGTCGTCAGGATCAT	SEQ ID NO: 8394
SH1	attP	CGTTGTCTGGTCAAGCACCGAT GC TTTCAGTGC GT TACGGTACAAACG	8 SEQ ID NO: 8396
	attB	CGGTTGTTAGCACGGAT GC TTCTGTGTGCTCAGAAATGAG	16 SEQ ID NO: 8397

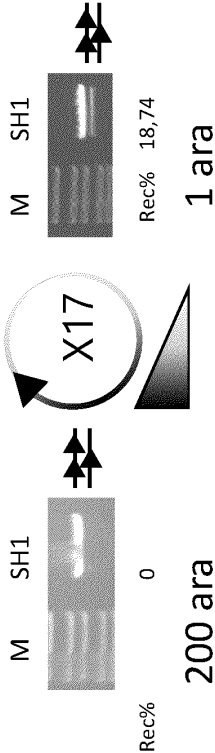


Fig. 8

B

WT	attP	GGTTTGCTCTGGTCAACCAACCGCGG GT CTCAGTGGTGACGGTACAAACC	SEQ ID NO: 8393
	attB	GGCTTGTCGACGACGGCG GT CTCCGTCGTCAGGATCAT	SEQ ID NO: 8394
SH2	attP	GGTTTGGCTGGTCAACCAATCGTC GT ATCAATGGTGACGGTCCAAACC	7 SEQ ID NO: 8404
	attB	GGTTTGGTCACTATGGTC GT ATCTATAGTGAAAGACCTG	17 SEQ ID NO: 8405

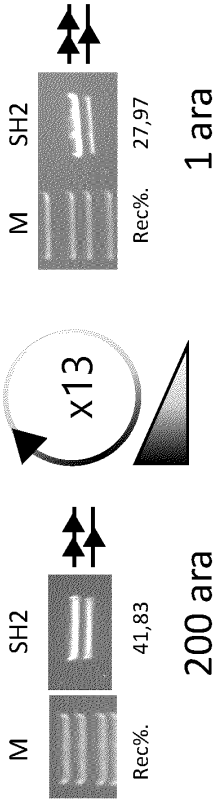


Fig. 8 continued

C

WT	attP	GGTTTGTCTGGTCAACCAACCGCGG	GT CTCAGTGGTGACGGTACAAACC	SEQ ID NO: 8393
	attB	GGCTTGTCGACGACGGCGG	GT CTCCGTCGTCAGGATCAT	SEQ ID NO: 8394
SH3	attP	GTTTTC	TCTGGTCAACCAACCGGT GA TGCAGTGGTGACGGTACAAAC	9 SEQ ID NO: 8413
	attB	GTTTTC	TGAACAACCTTGT GA TGCTGTTGTCTCAACCAT	18 SEQ ID NO: 8414

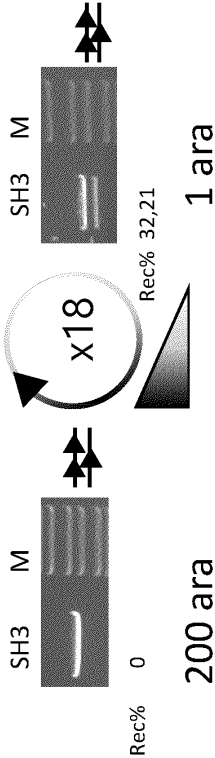
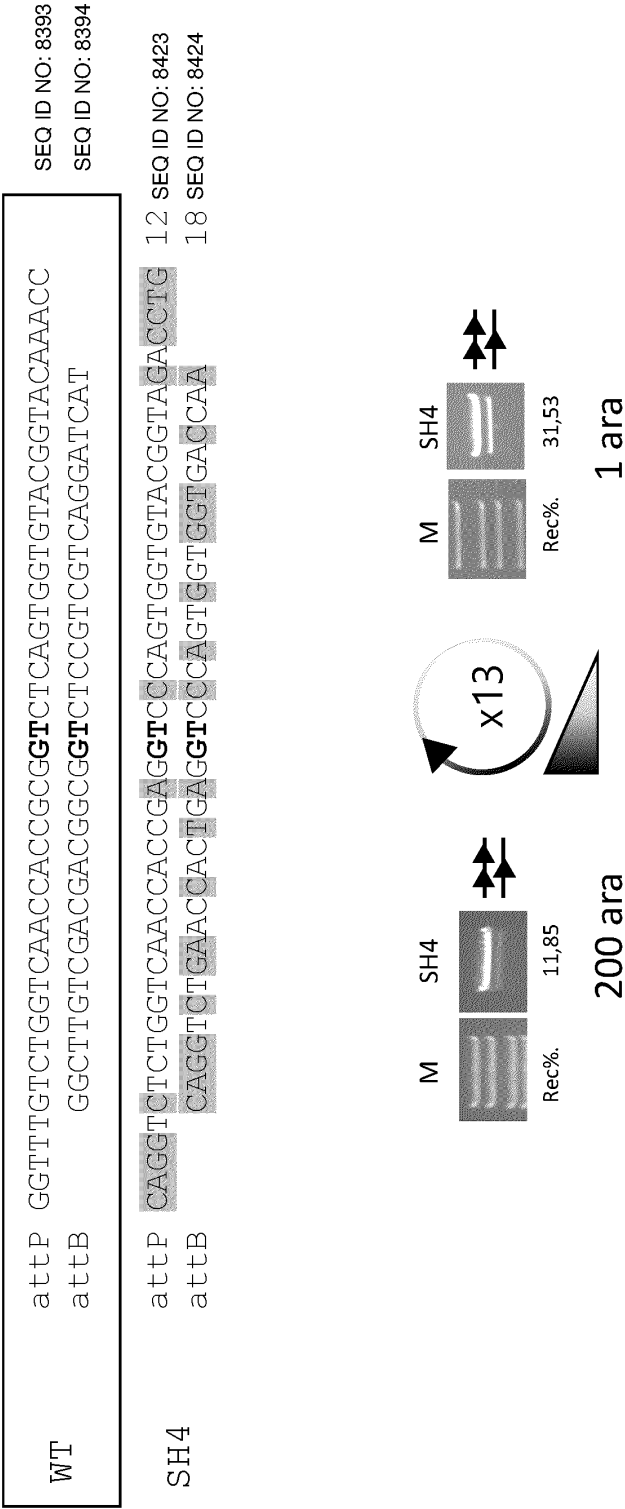


Fig. 8 continued

D



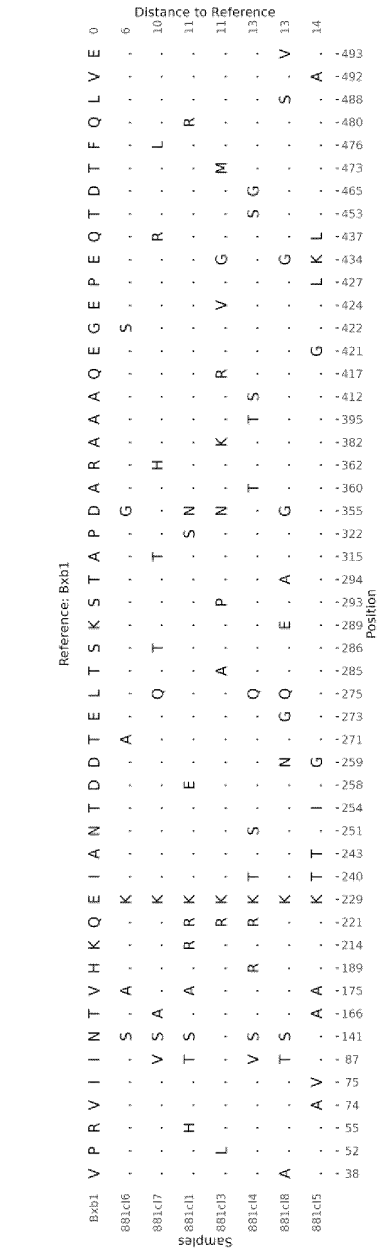
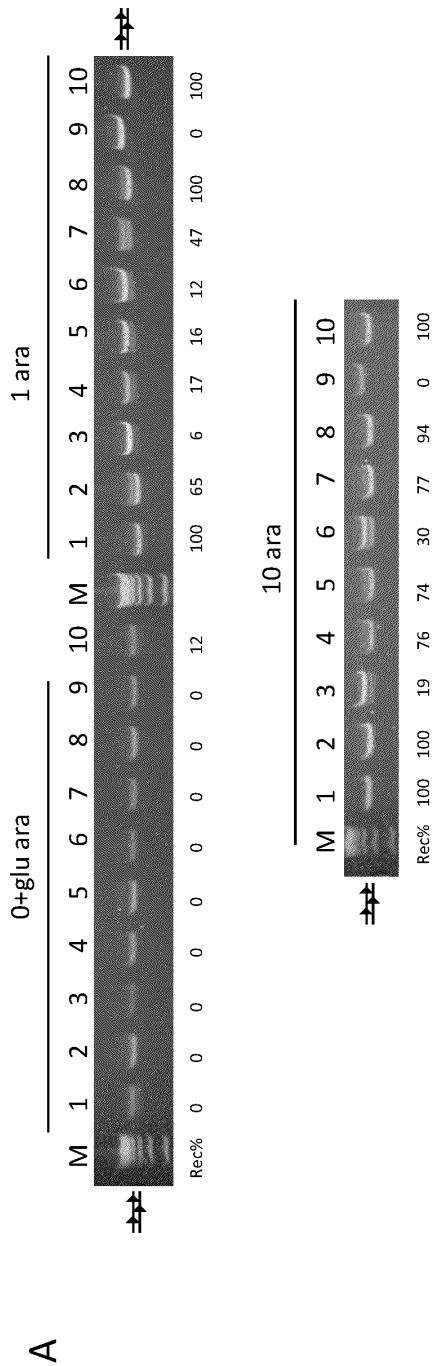
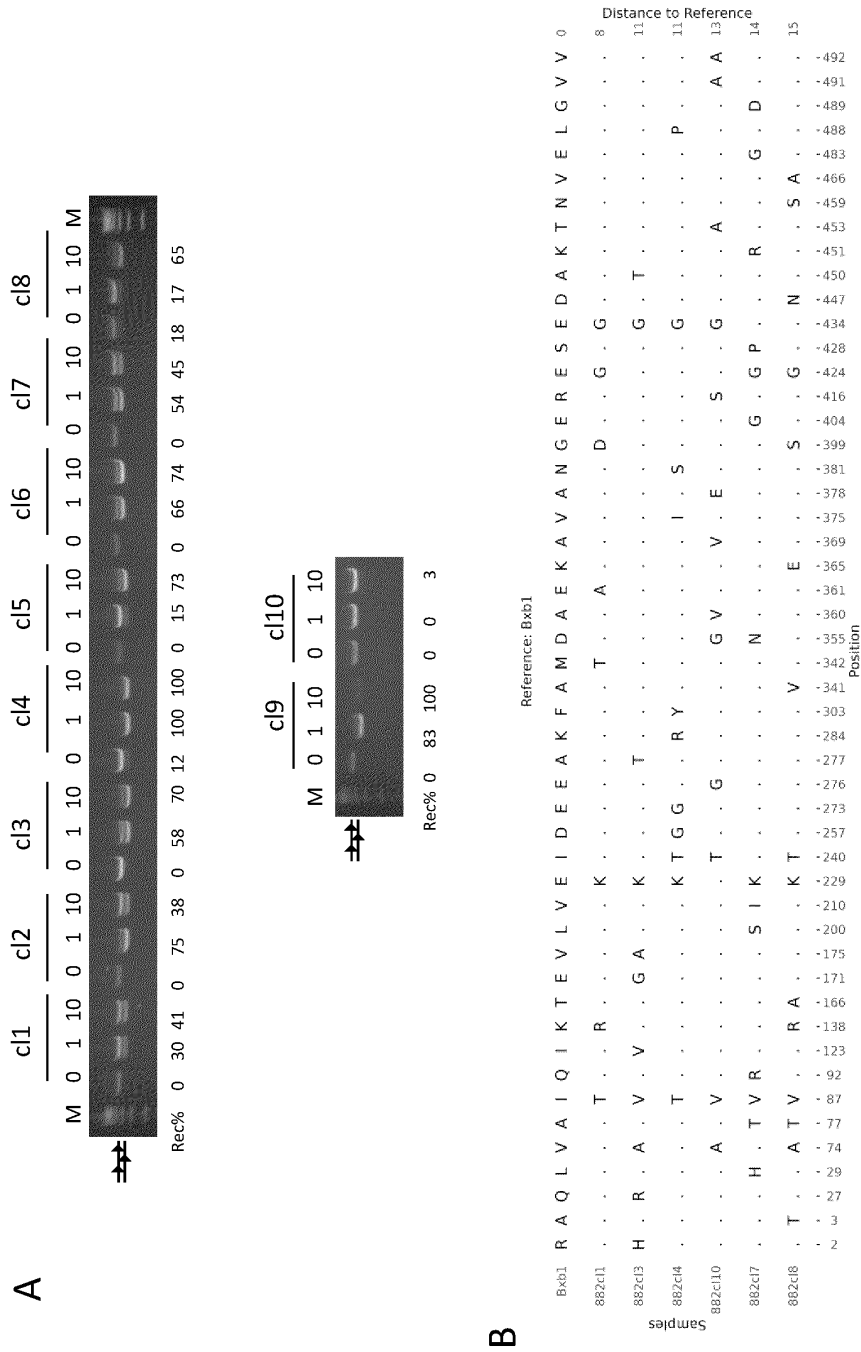
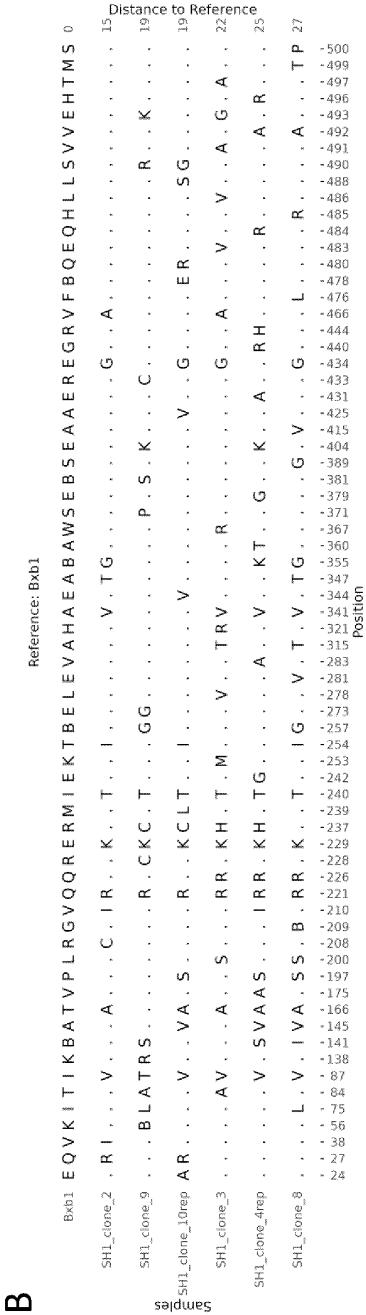
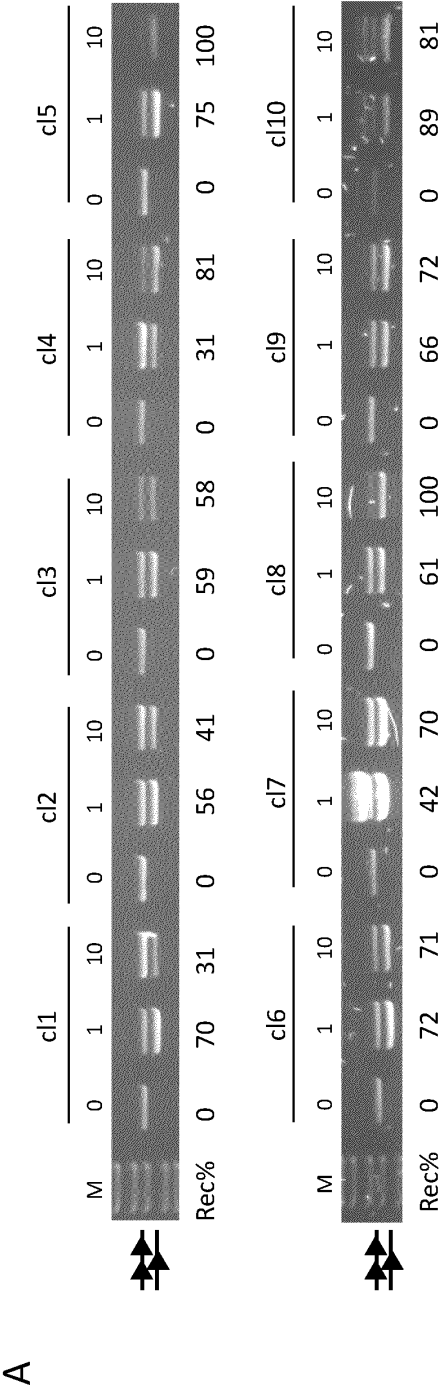


Fig. 9





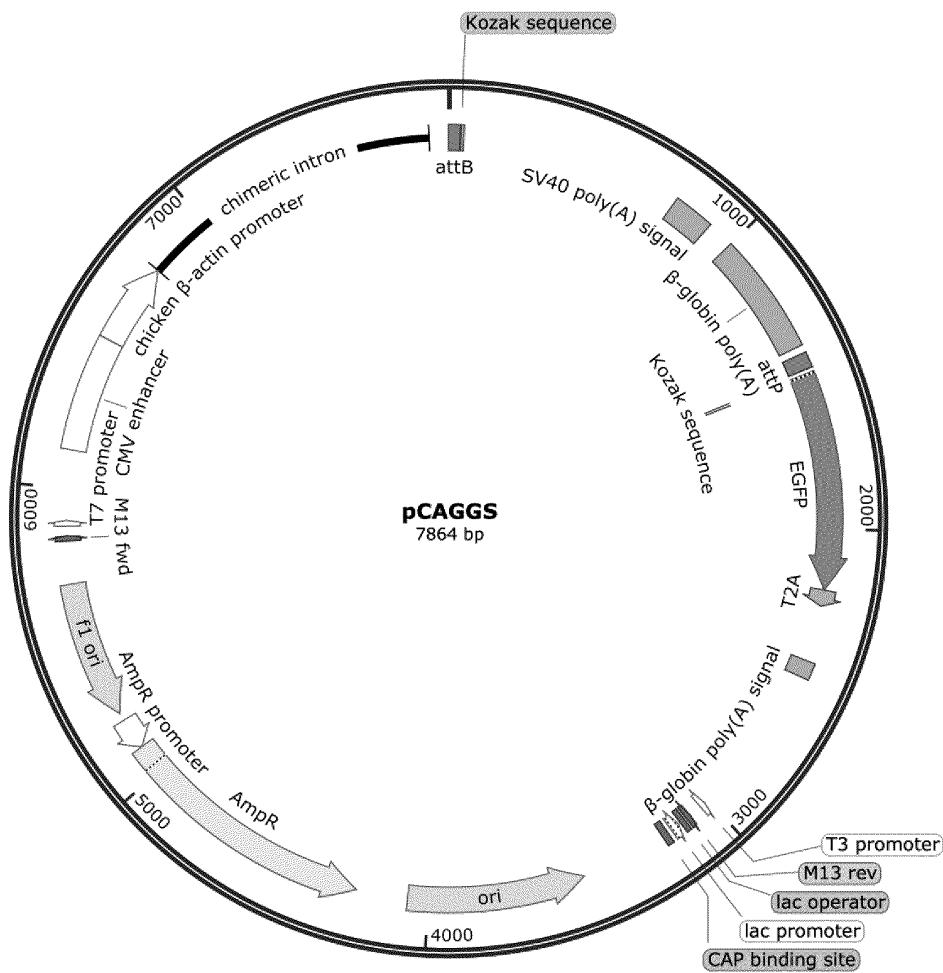


Fig. 14

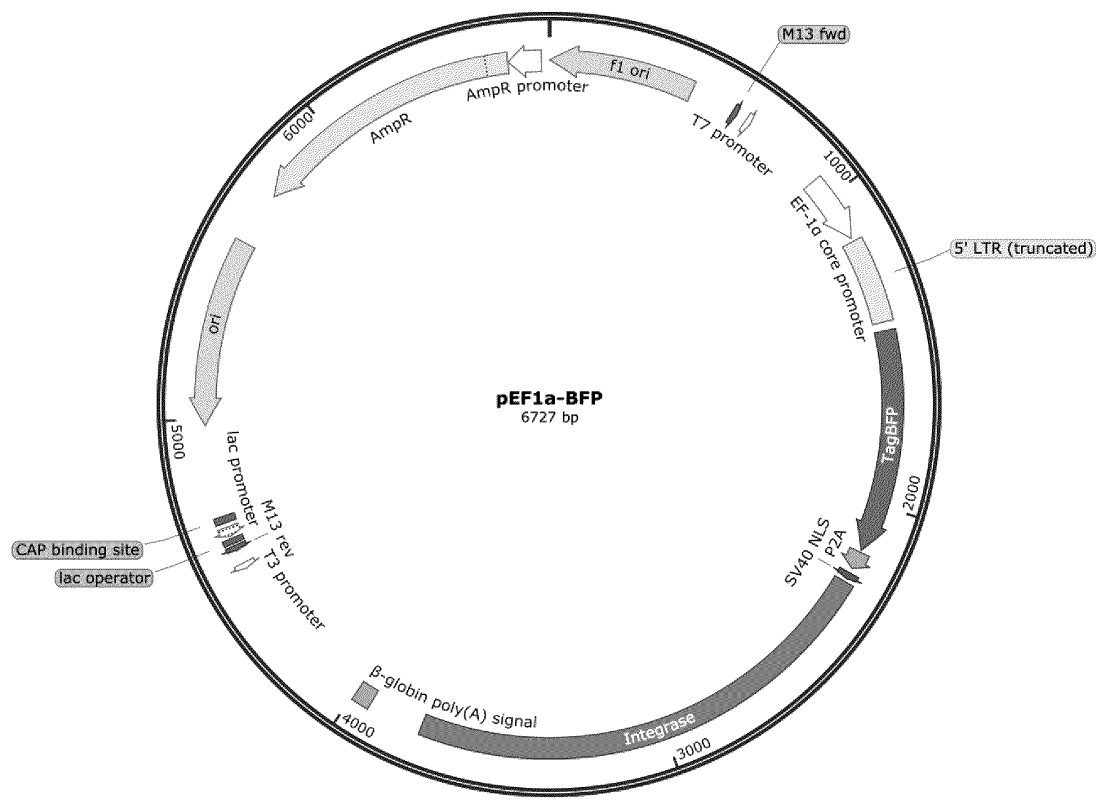


Fig. 15

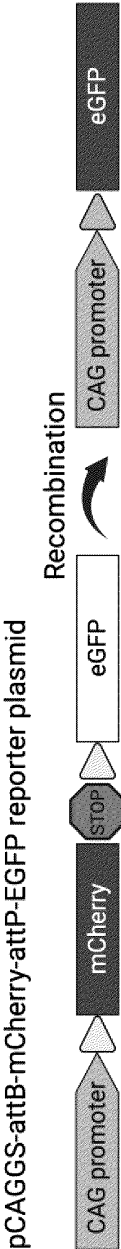


Fig. 16

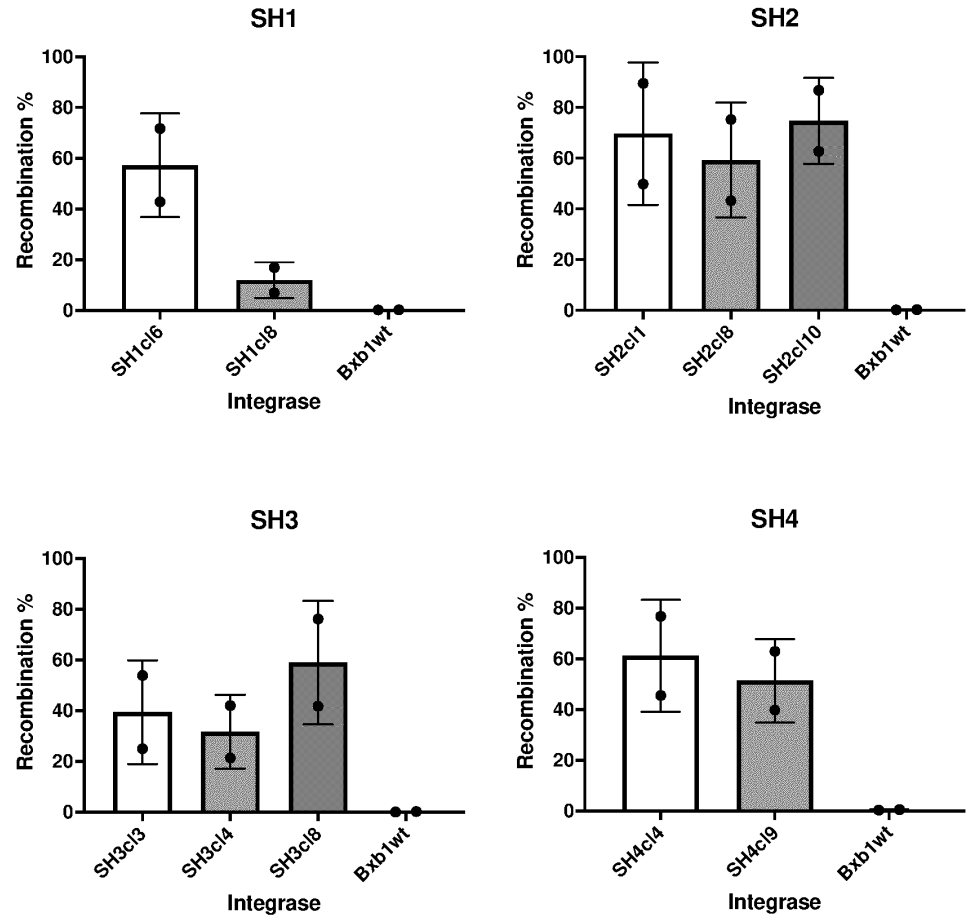


Fig. 17

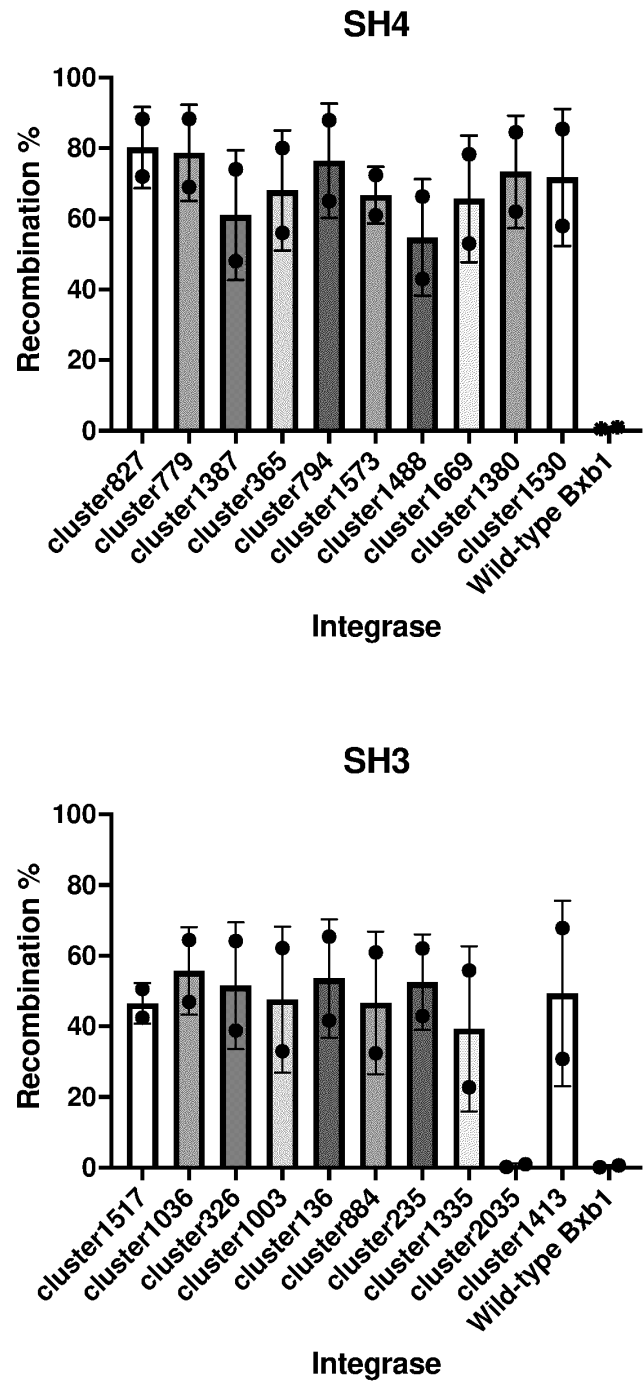


Fig. 18

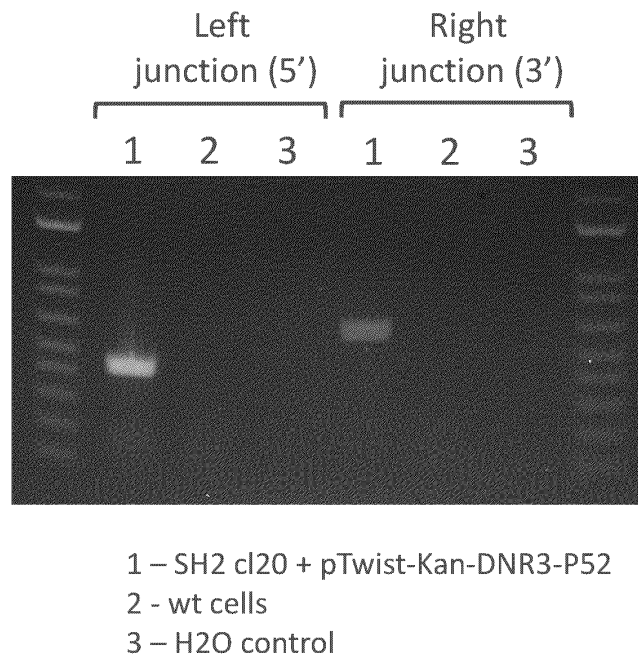


Fig. 19