

Fig. 1

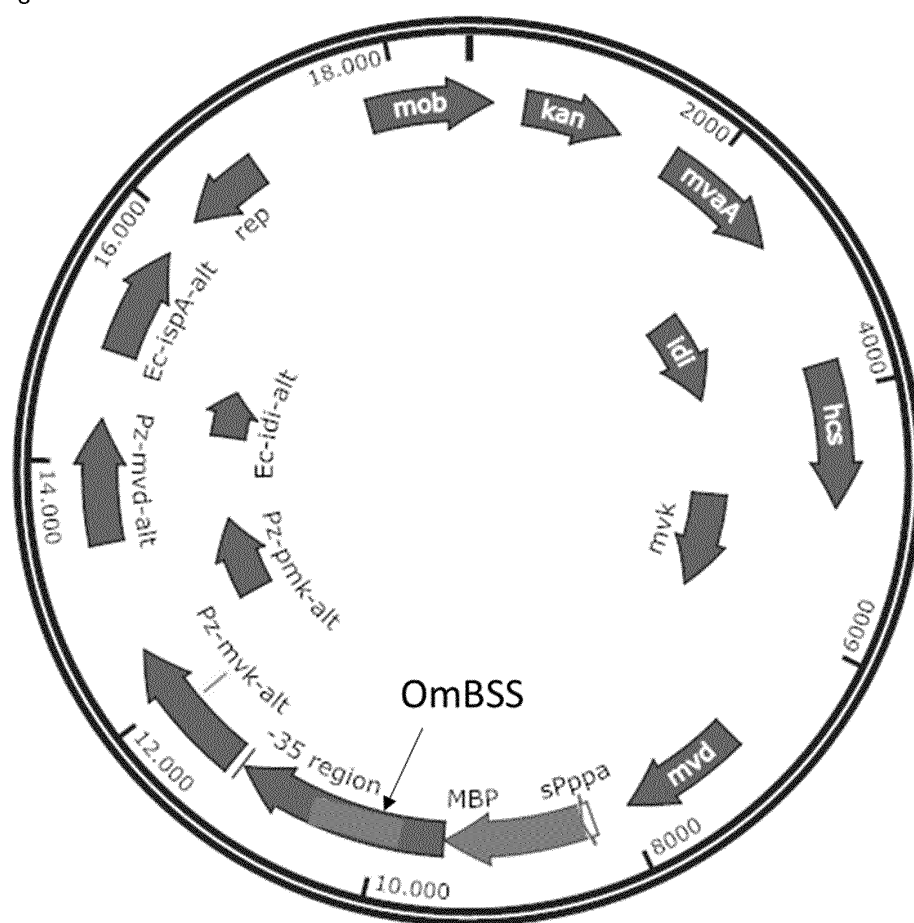
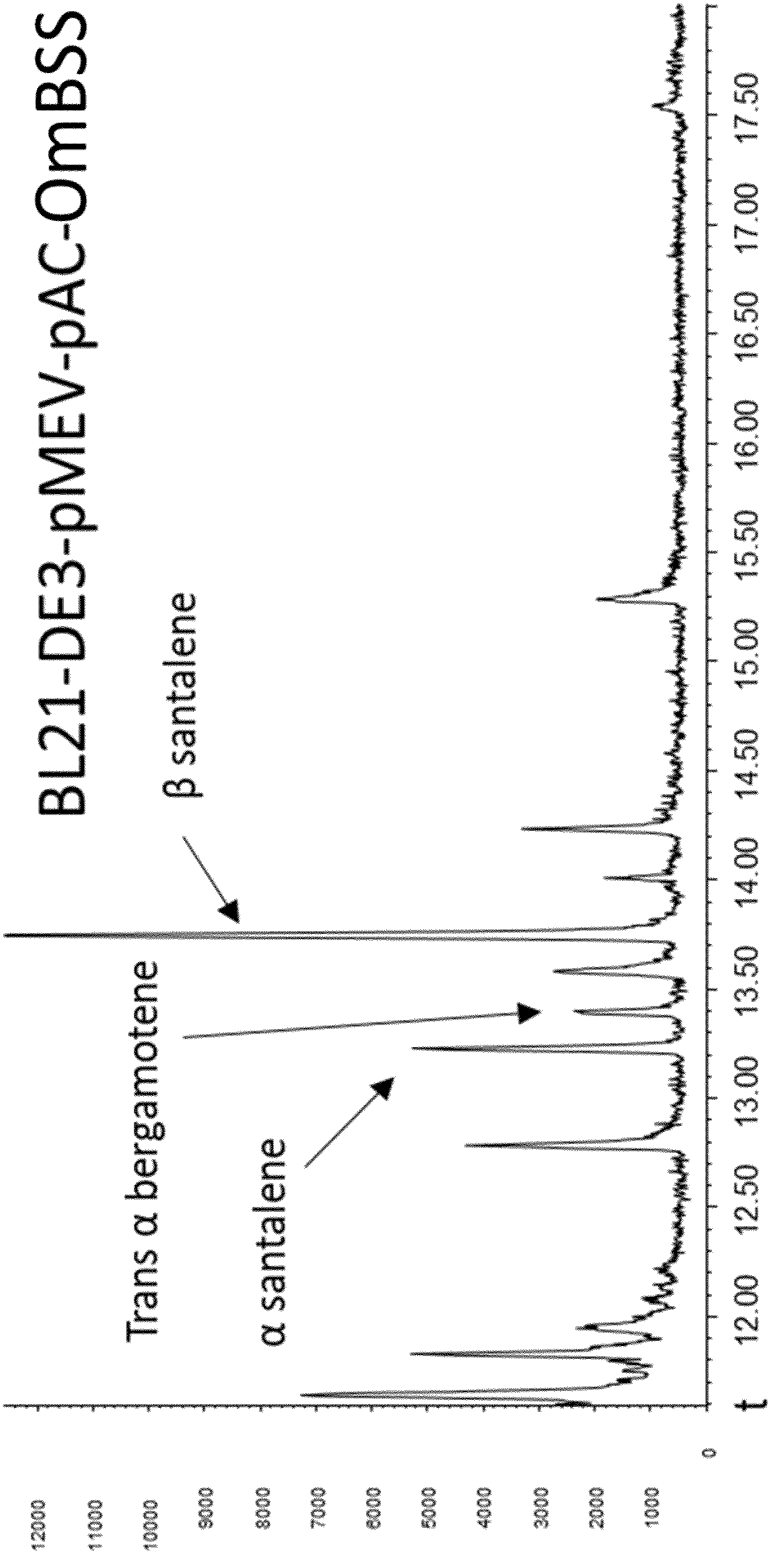


Fig. 2
A



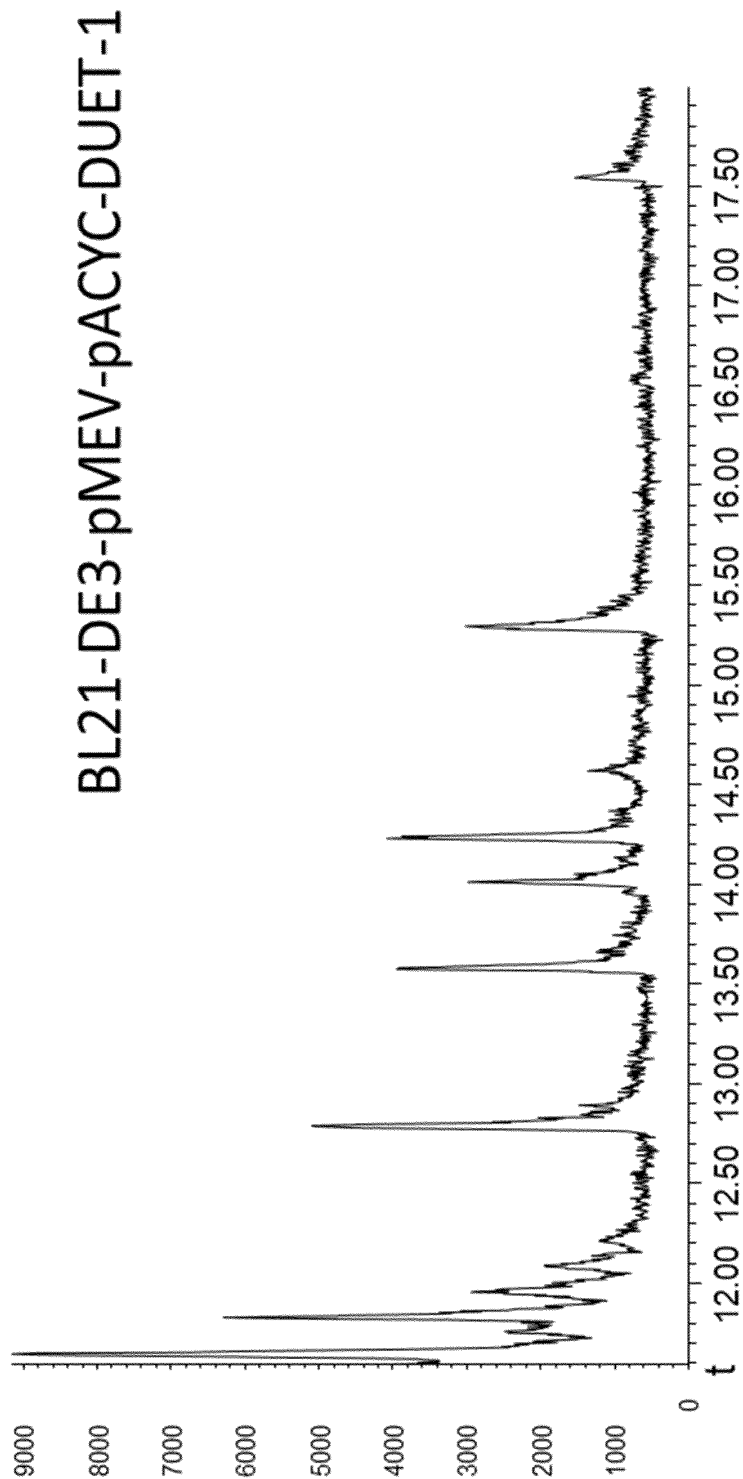
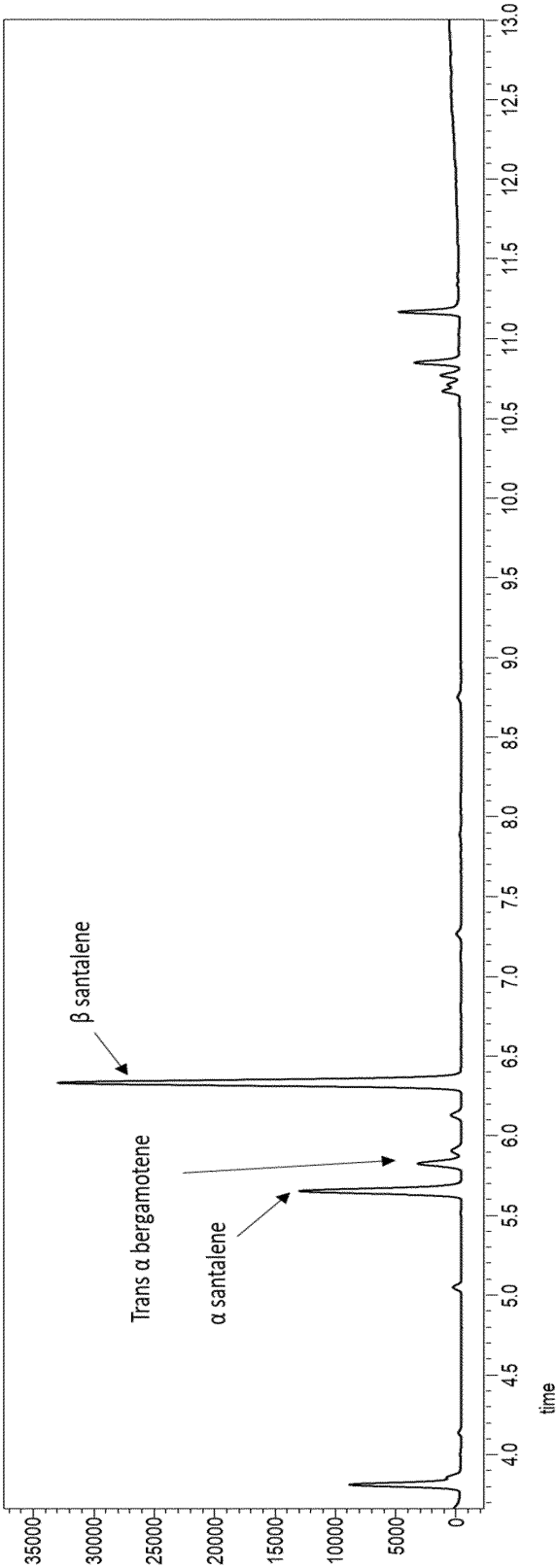


Fig. 2
B

Fig. 3



numbering taken from top sequence

[illegible]

```
SEQ ID NO: 1
ANM49164
AOA0D9Z7P2
A2XGY8
AOA0EONVD9
AOA0N7KHA7
Q10L24
I1PBH4
C7JQ06
AOA0E0GMM5
AOA0D3FIR1
A3A164
AOA0EONVE4
AOA0E0DOX2
AOA0D3FIR4
Consensus
LSLYNAAHLAMPC EAALDDAIAFSRRSLQSL QCALRSPMAEQVSRALDIPLPAPKILLETMHYITEYE
```

```
SEQ ID NO: 1
ANM49164
AOA0D9Z7P2
A2XGY8
AOA0EONVD9
AOA0N7KHA7
Q10L24
I1PBH4
C7JQ06
AOA0E0GMM5
AOA0D3FIR1
A3A164
AOA0EONVE4
AOA0E0DOX2
AOA0D3FIR4
Consensus
QEAADGCVLELARLDFELVRSLYLKEKALSLWWRQLYCSVQLSYARDCLVESYFWTCAMFHCEYYSRA
```

```
SEQ ID NO: 1
ANM49164
AOA0D9Z7P2
A2XGY8
AOA0EONVD9
AOA0N7KHA7
Q10L24
I1PBH4
C7JQ06
AOA0E0GMM5
AOA0D3FIR1
A3A164
AOA0EONVE4
AOA0E0DOX2
AOA0D3FIR4
Consensus
RIIFAKVFQLMTMDIYDIHATLEECYKFNEAQRWDKSAVSILPEYLRNFYIRILNDFDEMDSLEPD
```

```
SEQ ID NO: 1
ANM49164
AOA0D9Z7P2
A2XGY8
AOA0EONVD9
AOA0N7KHA7
Q10L24
I1PBH4
C7JQ06
AOA0E0GMM5
AOA0D3FIR1
A3A164
AOA0EONVE4
AOA0E0DOX2
AOA0D3FIR4
Consensus
EKHRMSYVKSSEFKQSEYLLREAQWSSDKMPSFAEHLDSGMSGCPMAVWVLLCARD...CDGAA
```

```
SEQ ID NO: 1
ANM49164
AOA0D9Z7P2
A2XGY8
AOA0EONVD9
AOA0N7KHA7
Q10L24
I1PBH4
C7JQ06
AOA0E0GMM5
AOA0D3FIR1
A3A164
AOA0EONVE4
AOA0E0DOX2
AOA0D3FIR4
Consensus
ASMEASEWA....PSLVRACGEVTRFLNDIASYKTKSGCKDAASTIECYMAERCVGCEEAAVAALVE
```

	520	530	540	550	560	570
SEQ ID NO: 1	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
ANM49164	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
AOA0D9Z7P2	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
A2XGY8	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
AOA0EONVD9	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
AOA0N7KHA7	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
Q10L24	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
I1PBH4	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
C7JQ06	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
AOA0EOGMM5	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
AOA0D3FIR1	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
A3AI64	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
AOA0EONVE4	SAWRTINRACVE	MDPNLLPAARLLVNLATT	PEVIX	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRVNQ		
AOA0EODOX2	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
AOA0D3FIR4	SAWRTINRACVE	MDPNLLPAARLLVNLATT	.....	PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV..		
Consensus	SAWRTINRACVE	MDPNLLPAARLLVNLATT		PEVIYFGGRDGYTVGADLKGLVTALFLDPLRV		

SEQ ID NO: 1

ANM49164

AOA0D9Z7P2

A2XGY8

AOA0EONVD9

AOA0N7KHA7

Q10L24

I1PBH4

C7JQ06

AOA0EOGMM5

AOA0D3FIR1

A3AI64

AOA0EONVE4

AOA0EODOX2

AOA0D3FIR4

Consensus

 non-conserved

 ≥ 50% conserved

 all match