```
BT_Cry1Ag1
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWWRYNOFRRELTLTVLDIVALFSN
•BT_Cry1Aa21
•BT_Cry1Aa10
•BT_Cry1Aa7
                                          FEVEGAGEVIGIVETTWGTEGESOW-DAFLVOTEOLTNORT-FEFARNOAT---SRIE-GISNLYOTYAESEREWEANPTNPALREEMRTOFNDMNSALTTATPLIAVONYOVPLISVYVOAANIHISVIRDVSVEGORWG-----
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWVRYNOFRRELTLTVLDIVALFSN
                                                                                                    - SRLE-GUSNLYOTYAESFREWEADPTNPALREEMRTOFNDMNSALTTATPLLAVONYOVPLLSVYVOAANLHUSVLRDVSVFGORWG
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWWRYNOFRRELTLTVLDIVALFSN
                                                                                         EFARNOAT - - SRLE-GUSNLYOTYAESFREWEADPTNPALREEMRTOFNDMNSALTTATPLLAVONYOVPLLSVYVOAANLHUSVLRDVSVFGORWG - - - - -
                                                                                                                                                                                                          -- FD-AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS-RDWVRYNOFRRELTLTVLDIVALFSN
•BT_Cry1Ai1
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWWRYNOFRRELTLTVLDIVALFSN
BT Cry1Aa1
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERWWGPDS - RDWVRYNOFRRELTLTVLDIVALFSN
•NOV Cry1Ab32 92.7 AAK14337.1
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERWWGPDS - RDWVRYNOFRREITLTVLDIVALFPN
                                                                                                    - SRIF-GISNLYOTYAESEREWEADPTNPALREEMRTOENDMNSALTTATPLIAVONYOVPLISVYVOAANIHISVIRDVSVEGORWG
BT Cry1Ac12
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWWRYNOFRRELTLTVLDIVALFPN
                                          EFVPGAGFVLGLVDIIWGIFGPSOW-DAFLVOIEOLINORI-EEFARNOAI--
                                                                                                    - SRIE-GISNLYOTYAESEREWEADPTNPALREEMRTOENDMNSALTTATPILIAVONYOVPILISVYVOAANIHISVIRDVSVEGORWG
•NOV Cry1Ac13 96.1 AXE42966.1
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVSGPDS - RDWVRYNOFRRELTLTVLDIVALFPN
NOV_Cry1Ac23_90.7_CAQ03747.1
BT Cry1Ac25
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDYAWRWYNTGLERVWGPD
NOV Cry1Ac10 99.2 ACV81774.1
                                          EFVPGAGEVLGLGETTWGTEGPSOW-DAFLVOTEOLINORT-EEFARNOAT---SRLE-GUSNLYOTYAESEREWEADPTNPALREEMRTOENDMNSALTTATPLEAVONYOVPLLSVYVOAANLHLSVLRDVSVEGORWG
                                                                                                                                                                                                           - FD - AATINSRYNDUTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWWRYNOFRRELTLTVLDIVALFPN
•BT Cry1Ac39
                                          EFVPGAGFVLGLVDIIWGIFGPSOW-DAFLVOIEOLINORI-EEFARNOAI---SRLE-GUSNLYOIYAESFREWEADPTNPALREEMRIOFNDMNSALTTAIPLFAMONYOVPLLSVYVOAANLHLSVLRDVSVFGORWG
                                                                                                                                                                                                          - - FD - A A T T N S R Y N D L T R L T G N Y T D Y A V R W Y N T G L E R V W G P D S - R D W V R Y N O F R R E L T L T V L D I V A L F P N
          BT Crv1A-like
                                                                                                                    · - - - FREWEADPTNPALREEMRTOFNARTSALTTATPLEAVONYOVPLLSVYVOAANLMEST
                                                                          IVOTEOLTNORT-ENSIGTKPFLDWKAKO-SISNIRRT
                   →BT Cry1Da1
                  →BT Cry1Db1
                                                                                                    - SRIF-GISNNYETYTETERAWEKDPSNPALREEMRTOENVMNSALTAATPLIRVRNYEVALLSVYVOAANIHISVIRDVSVYGORWG-----
                                                                                                                                                                                                           - FD - PATVNURY SDUTRUTHVYTDH CVDTYNDGUKNUEGSRU - SDWVVYNR FRROUTTAVLDI TA FFPN
                                                                                                    - SRLE-GLSNLYEVYTEAFRAWEADPSNPALREEMRTOFNDMNSALTTATPLLRVRNYEVALLSVYVOAANLHLSVLRDVSVFGORWG
        BT_Cry1Eb1
                                          ---PLGDETLGLEDVTWGATGPSOW-DIFLEOTELLIGORI-EEFARNOAT---SRLO-GUSNLYRTYTNAFKNWEVDPTNPALREEMRTOENDMNSALTTATPLESVOGYETPLLSVYVOAANLHLSVLRDVSVEGORWG-----
                                                                                                                                                                                                           - FD - VATINSRYNDUTRLIGEYTDYAVRWYNTGLNRLPRNEGVRGWARFNRFRRELTISVLDIISFFO
        BT Cry1Ea10
                                                                                                                                                                                                           - FD - TATTNSRYNDUTRLIPIYTDYAVRWYNTGLDRUPRTGGLRNWARFNOFRRELTISVLDIISFFRN
   NOV Cry1Ea10 93.2 AAX86871.1
  NOV Cry1Ab12 91.4 AAK14338.1
                                                                                                    - SRLE-GLSNLYOIYPESFREWEADPTNPALREEMRIOFNDMNSALTTAIPLFAVONYOVPLLSVYVOAAM------VCVSGGRFGGPRALSSRFN-ALNLRIHWTTLSRLIGNCTDHPGYWYNTGLGRVWGRDS-RDWIRYNOFRRELTLTVLDIVSLFPN
  J•BT Cry1Ab2
                                          EFVPGAGFVLGLVDIIWGIFGPSOW-DAFLVOIEOLINORI-EEFARNOAI---SRLE-GLSNLYOIYAESFREWEADPTNPALREEMRIOFNDMNSALTTAIPLFAVONYOWPLLSVYVOAANLHLSVLRDVSVFGORWG-----FD-AATINSRYNDLTRLIGNYTDHRVRWYNTGLERVWGPDS-RDWIRYNOFRRELTLTVLDIVSLFPN
  •NOV Cry1Ab12 99.3 ACU65107.1
                                                                                         EEFARNOAI---SRLE-GLSNLYOIYAESFREWEADPTNPALREEMRIOFNDMNSALTTAIPLFAVONYOVPLLSVYVOAANLHLSVLRDVSVFGORWG-----FD-AATINSRYNDLTRLIGNYTDHAVRWYNTGLERVWGPDS-RDWIRYNOFRRELTLTVLDIVSLFPN
 •BT_Cry1Ab12
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDHAVRWYNTGLERVWGPDS - RDWIRYNOFRRELTLTVLDIVSLFPN
 U ∙BT_Cry1Ab16

•BT_Cry1Af1
                                                                                                                                                                                                           - FD - AATINSRYNDLTRLIGNYTDHAWRWYNTGLERWWGPDS - RDWIRYNOFRRELTLTVLDIVSLFPN
 BT Cry1Ab33
                                                                                                                                                                                                           - FD - ATTINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWIRYNOFRRELTLTVLDIVSLFPN
                                         EFVPGGGIITGLUNIVWGFVGPSOW-DAFLAOVEOLINORI-AEAVRNTAI---OELE-GMARVYRTYATAFAEWEKAPDDPELREALRTOFTATETYISGRISVLKIONFEVOLISVFAOAANIHUSLURDVVFFGORWG------
                 →NOV Cry1Ad2 87.7 AIW52617.1
                                                                                                                                                                                                           - VS - TTTVNNYYNDLTEEISTYTDYAVRWYNTGLERVWGPDS - RDWVRYNOFRRELTLTVLDIVSLFPN
                BT Cry1Ah2
                                                                                                       ELE-GMARVYRTYATAFAFWEKAPDDPELREALRTOFTATETYTSGRTSVIKTOTFEVOLISVFAOAANIHISLIRDVVFEGORWG-
                                                                                                                                                                                                           - FS-TTTVNNYYNDLTEGISTYTDYAVRWYNTGLERVWGPDS-RDWWRYNOFRRELTLTVLDIVALFPN
  BT Cry1Ad1
                                                                                                    - SRLE-GUSNLYOIYAEAFREWEADPTNPALTEEMRIOFNDMNSALTTAIPLFTVONYOVPLLSVYVOAANLHUSVLRDVSVFGORWG
                                                                                                                                                                                                           - FD - VATINSRYNDLTRLIGTYTDYAVRWYNTGLERVWGPDS - RDWVRYNOFRRELTLTVLDIVSLFPN
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FEFARNOAT - - - SRIF - GUSNIYOTYAESEREWEADPTNPALREEMRTOENDMNSALTTATPLEAMONYOVPLISVYVOAANLHISVIRDVSVEGORWG

- FD - AATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDS - RDWWRYNOFRRELTLTVLDIVALFSN

NOV Crv1Aa12 99.5 AFX69046.1