ABSTRACT

In the present study 103 already isolated strains of *Bacillus thuringiensis* were screened for cry1 gene.Growth curves of eight *B.thuringiensis* strains (DNB-1, DNB-2, DNB-3, Bt-0, Bt-8, CEMB.Bt-4, HD-29, HD-73) were determined. Polymerase chain reaction technique was used to screen 103 isolates of *B. thuringiensis* for cry1 gene using universal primers i.e.., Un1(r) primer. Twenty seven isolates were found to be positive for cry1 gene. Five isolates out of these were detected as cry1 Cb (DNB.1, DNb.2, DNB.3, Bt.2 and HD-29), five for cry1Fb (CEMB.Bt.1, DNB.3,SBS.A1/y and Bt.0) and six for cry1K (SBS.A1/1, SBS.A1/y, Bt.2, Bt.5, Bt.6). Cry1Ia was present in three isolates of *B.thuringiensis* (DNB.1, SBS.A1/y, SBS.A1/1) while, cry1Db, cry1Ha, cry1Ga were present only in one locall isolates of *B.thuringiensis* (HD-29, CEMB.Bt.1, Bt.0 respectively).