

表 1 本研究所用菌株与质粒

Table 1 Strains and Plasmids used in this research

名称 Name	特征 Characteristics	来源或文献 Sources or reference
<i>E. coli</i> JM110	Dcm, proAB, leu, dam, galK, thr, supE44	HITAR
<i>B. thuringiensis</i> S3299-1	Wild strain, Cry1Ac31, bidiamond crystal	HITAR and Zhang et al., 2009
<i>Bt</i> subsp. <i>tenebrions</i>		
<i>B. thuringiensis</i> IPS	<i>Bt</i> mutant strain, non-crystal	Dr Neil Crickmore
<i>Bt</i> IPSC3-1	Transformed <i>Bt</i> IPS strain with Cry1Ac31 bidiamond crystal	In this research
<i>Bt</i> IPS-pBU4	Transformed <i>Bt</i> IPS strain with pBU4 plasmid, non-crystal	In this research
pBU4	Vector with multifunctional cloning site (5.7 kb), Amp ^r , Tc ^r	HITAR
pBUC3	Vector derived from pBU4 adding Cry1Aa3 promotor (6.3 kb)	In this research
pBUC3-1Ac31	pBUC3 containing <i>cry1Ac31</i> coding sequence	In this research
pQE1Ac31	pQE30xa carrying with <i>cry1Ac31</i> gene from <i>Bt</i> S3299-1	HITAR and Zhao et al., 2009