

表 3 杀蚊晶体蛋白基因

Table 3 List of *Bacillus thuringiensis* mosquitocidal toxins

命名 Name	基因来源 Gene resource	NCBI	Swiss Prot
Cry1Af	NT0423	AAB82749	P96315
Cry2Aa	subsp. kurstaki HD-263	M31738	P21253
Cry2Ab	subsp. kurstaki HD-1	M23724	P21254
Cry2Ac	subsp. shanghai I (S-1)	X57252	Q45743
Cry2Ad	<i>Bt BR30</i>	AF200816	Q9RMG3
Cry2Ae	None available	AAQ52362	
Cry2Af	<i>Bt C81</i>	EF439818	
Cry2Ag	<i>Bt JF19-2</i>	ACH91610	
Cry2Ah	None available	EU939453	
Cry2Ai	None available	FJ788388	
Cry4Aa	vat. israelensis	Y00423	P16480
Cry4Ba	vat. israelensis 4Q2-72	X07423	P05519
Cry4Ca	None available	EU646202	
Cry4Cb	<i>Bt HS18-1</i>	FJ403208	
Cry4Cc	<i>Bt MC28</i>	FJ403207	
Cry10Aa	subsp. israelensis ONR60A	M12662	P09662
Cry11Aa	subsp. israelensis HD-567	M31737	P21256
Cry11Ba	subsp. jegathesan 367	X86902	Q45730
Cry11Bb	subsp. medellin	AF017416	Q9ZIU5
Cry16Aa	subsp. malaysia CHI8	X94146	Q45882
Cry17Aa	subsp. malaysia CHI8	X99478	O05102
Cry19Aa	subsp. jegathean 367	Y07603	O32307
Cry19Ba	subsp. higo	D88381	O86170
Cry20Aa	subsp. jukuokaensis	U82518	O32321
Cry20Ba	subsp. higo LBIT-976	FJ884065	
Cry24Aa	subsp. jegathesan	U88188	O87905
Cry24Ba	subsp. sollo	BAD32657	
Cry24Ca1	<i>Bt FCC-41</i>	AM158318	
Cry25Aa	subsp. jegathesan	U88189	O87906
Cry26Aa	subsp. finitimus B-1166	AF122897	Q9X597
Cry27Aa	subsp. higo	AB023293	Q9S597
Cry28Aa	subsp. finitimus B-1161	AF132928	Q9X682
Cry29Aa	None available	AJ251977	
Cry30Aa	None available	AJ251978	
Cry30Ba	subsp. entomocidus	BAD00052	
Cry30Ca	subsp. sotto	BAD67517	
Cry30Da	<i>Bt Y41</i>	EF095955	
Cry30Db	<i>Bt aizawai BUN1-14</i>	BAE80088	
Cry30Ea	<i>Bt S2160-1</i>	EU503140	
Cry30Fa	<i>Bt MC28</i>	EU751609	

Cry30Ga	<i>Bt HS18-1</i>	EU882064	
Cry31Aa	<i>Bt 84-HS-1-11</i>	AB031065	
Cry31Ab	<i>Bt B0195</i>	BAE79809	
Cry31Ac	<i>Bt 87-29</i>	BAF34368	
Cry32Aa	subsp. <i>yunnanensis</i>	AY008143	
Cry32Ab	<i>None available</i>	GU063850	
Cry32Ba	<i>None available</i>	BAB78601	
Cry32Ca	<i>None available</i>	BAB78602	
Cry32Da	subsp. <i>dakota</i>	BAB78603	
Cry33Aa	subsp. <i>dakota</i>	AAL26871	
Cry36Aa	<i>None available</i>	AAK64558	
Cry37Aa	<i>None available</i>	AAF76376	
Cry38Aa	<i>None available</i>	AAK64559	
Cry39Aa	subsp. <i>alzawai</i>	BAB72016	
Cry40Aa	subsp. <i>aizawai</i>	BAB72018	
Cry40Ba	<i>Bun1-14</i>	BAC77648	
Cry40Ca	<i>Bt Y41</i>	EU381045	
Cry40Da	<i>Bt S2096-2</i>	EU596478	
Cry41Aa	<i>Bt A1462</i>	AB116649	
Cry41Ab	<i>Bt A1462</i>	AB116651	
Cry42Aa	<i>Bt A1462</i>	AB116652	
Cry43Aa	<i>P. lentimorbus semadara</i>	AB115422	
Cry43Ba	<i>P. lentimorbus semadara</i>	AB115422	
Cry44Aa	subsp. <i>entomocidus INA288</i>	BAD08532	
Cry45Aa	<i>Bt 89-T-34-22</i>	BAD22577	
Cry46Aa	subsp. <i>dakota</i>	BAC79010	
Cry46Ab	<i>None available</i>	BAD35170	
Cry47Aa	<i>Bt CAA890</i>	AY950229	
Cry50Aa	<i>Bt sotto</i>	BAE86999	
Cry50Ba	<i>Bt S2160-1</i>	GU446675	
Cry54Aa	<i>Bt MC28</i>	EU339367	
Cry54Ba1	<i>Bt S2160-1</i>	GU446677	
Cyt1Aa	<i>Bt israelensis</i>	X03182	P05069
Cyt1Ab	<i>Bt medellin</i>	X98793	P94594
Cyt1Ba	<i>Bt neoleoensis</i>	U37196	Q45790
Cyt1Ca	<i>Bt israelensis</i>	CAD30104	
Cyt2Aa	<i>Bt kyushuensis</i>	Z14147	Q04470
Cyt2Ba	<i>Bt israelensis</i>	U52043	Q45723
Cyt2Bb	<i>Bt jegathesan</i>	U82519	O32322
Cyt2Bc	<i>Bt medellin</i>	CAC80987	
Cyt2Ca	<i>None available</i>	AAK50455	
