Supplementary table 6. Protein similarity search of insecticidal toxin of *M. morganii*

Insecticidal toxin genes:

Gene#	Gene	Species and amino acid identity of three best hits
MM0965	*tccB/*	*Pseudomonas entomophila* L48 35%(coverage:67%)
	tccB3	*Burkholderia rhizoxinica* HKI 454 26%
		Photorhabdus *luminescens ssp. lau.* TTO1 29% (cov. 66%)
MM0966	*tccA3*	*Pseudomonas entomophila* L48 29%
		Burkholderia rhizoxinica HKI 454 29%
		Pseudomonas brassicacearum subsp. *Bra*. NFM421 26%
MM0967	*tcdb2*	*Photorhabdus asymbiotica* 45%
		Photorhabdus luminescens 44%
		Photorhabdus luminescens subsp. laumondii TTO1 44%
MM1780	*xptA1/*	*Xenorhabdus nematophila* ATCC 19061 35%
	sepA/	*Serratia entomophila* 37%
	tcdA4	*Photorhabdus luminescens* 41% (cov. 67%)
MM1781	*xptA1/*	*Xenorhabdus nematophila* ATCC 19061 37%
	tcdA4/	*Photorhabdus luminescens* 36%
	sepA	*Serratia entomophila* 40% (cov. 71%)
MM1782	*xptC1/*	*Erwinia* sp. Ejp617 51%
	sppB/	*Serratia proteamaculans* 50%
	sepB	*Serratia proteamaculans* 49%
MM1901	*tcdA4/*	*Photorhabdus luminescens* spp. lau. TTO1 41%
	xptA1/	*Xenorhabdus nematophila* ATCC 1906 56%
	tcbA	*Photorhabdus luminescens* 53%
MM2567	*tccB3/*	*Pseudomonas entomophila* L48 34%
	tccB	*Salmonella enterica* ssp. *ari.* serovars 32%
		Salmonella enterica ssp. *hou*. 33%
MM2570	*tcaC*	*Burkholderia rhizoxinica* HKI 454 37%

		Bacillus thuringiensis IBL 200 35% *Rahnella aquatilis* ATCC 33071 37%