

Table S2. BLASTp analysis of *KerS* gene (*KerS13*, *KerS13uv+ems*, and *KerS26uv*) and the corresponding similar peptidase S8 *B. cereus* group species.

Isolate name	No.	Accession No.	Species	% Identity
<i>KerS13</i>	1	WP_076873679.1	S8 family peptidase [<i>Bacillus cereus</i> group]	99.75%
	2	WP_171484091.1	S8 family serine peptidase [<i>Bacillus paranthracis</i>]	99.75%
	3	WP_088068318.1	S8 family peptidase [<i>Bacillus thuringiensis</i>]	99.24%
	4	PFJ29283.1	alkaline serine protease [<i>Bacillus anthracis</i>]	98.99%
	5	WP_144655882.1	S8 family peptidase [<i>Bacillus tropicus</i>]	98.99%
	6	WP_074563627.1	S8 family peptidase [<i>Bacillus cereus</i>]	98.74%
<i>KerS13uv+ems</i>	1	WP_061129616.1	S8 family peptidase [<i>Bacillus cereus</i>]	99.75%
	2	WP_098852855.1	S8 family peptidase [<i>Bacillus thuringiensis</i>]	98.74%
	3	WP_197225397.1	S8 family peptidase [<i>Bacillus paranthracis</i>]	98.49%
	4	WP_098616758.1	S8 family peptidase [<i>Bacillus cereus</i> group]	98.24%
	5	MBL3821420.1	peptidase S8 [<i>Bacillus cereus</i>]	99.24%
	6	PES75482.1	alkaline serine protease [<i>Bacillus anthracis</i>]	98.24%
<i>KerS26uv</i>	1	WP_078420647.1	S8 family peptidase [<i>Bacillus cereus</i>]	100%
	2	WP_044584435.1	S8 family peptidase [<i>Bacillus bombysepticus</i>]	99.24%
	3	WP_098356006.1	S8 family peptidase [<i>Bacillus thuringiensis</i>]	98.99%
	4	TBL05390.1	peptidase S8 [<i>Bacillus paranthracis</i>]	98.99%
	5	WP_213745030.1	S8 family serine peptidase [<i>Bacillus toyonensis</i>]	98.74%
	6	WP_099686350.1	S8 family peptidase [<i>Bacillus fungorum</i>]	98.74%
	7	WP_226638973.1	S8 family peptidase [<i>Bacillus tropicus</i>]	98.74%
	8	WP_098158349.1	S8 family peptidase [<i>Bacillus toyonensis</i>]	98.49%