

**Table S1** Composition of BVDs identified before and in this study.

Compound	n	R	L-AA2	L-AA3	D-AA4	MW	Ref.		
A	5	Me	Phe	Val	Val	529	(1)		
B	5	Me	Val	Phe	Ile	543	(1)		
Ba*	5	Me	Val	Phe	allo-Ile	543	(1, 2)		
C	5	Me	Phe	Phe	Ile	591	(1)		
Ca*	5	Me	Phe	Phe	allo-Ile	591	(1)		
D	3	Me	Phe	Val	Val	501	(1)		
E	3	Me	Val	Phe	Ile	515	(1)		
Ea	3	Me	Val	Phe	allo-Ile	515	(1)		
F	3	Me	Phe	Phe	Ile	563	(1)		
Beauverolide	Fa#**	3	Me	Phe	Phe	allo-Ile	563	(1)	
	H	4	H	Phe	Ala	Leu	487	(3)	
	I	6	H	Phe	Ala	Leu	515	(3)	
	Ja	3	Me	Trp	Phe	allo-Ile	602	(4)	
	Ka*	5	Me	Trp	Phe	allo-Ile	630	(4)	
	L#**	5	Me	Phe	Ala	Leu	515	(5)	
	La**	5	Me	Phe	Ala	allo-Ile	515	(5)	
	M#**	3	Me	Val	Ala	Leu	439	(6)	
	N	3	Me	Try	Ala	Leu	503	(6)	
	P	5	Me	Val	Ala	Leu/allo-Ile	467	(6)	
	Q	3	Me	Trp	Ala	Leu/allo-Ile	526	(7)	
	R	5	Me	Trp	Ala	Leu/allo-Ile	554	(7)	
	S	3	Me	Ala	Ala	Leu/allo-Ile	411	(8)	
	Beauveriolide	I**	3	Me	Phe	Ala	Leu	487	(9)
		II#**	5	Me	Phe	Ala	Leu	515	(9)
III**		3	Me	Phe	Ala	allo-Ile	487	(10)	
IV		3	Me	Val	Ala	Val	425	(11)	
V**		3	Me	Val	Ala	allo-Ile	439	(11)	
VI#**		3	Me	Val	Ala	Leu	439	(11)	
VII**		3	Me	Phe	Ala	Val	473	(11)	
VIII		5	Me	Val	Ala	allo-Ile	467	(11)	
IX#**		3	Me	Phe	Phe	allo-Ile	563	(11)	
X**		3	Me	Phe	Phe	Leu	563	This study	

Note: #, Beauverolide Fa is structurally same to Beauveriolide IX, so as beauverolide L vs. beauveriolide II, and beauverolide M vs. beauveriolide VI. \*: Beauverolide Ba/Ca/Ka were identified from *B. bassiana* strains ARSEF 2860 and ARSEF 8028. \*\*: Beauveriolide I-III/V-VII/IX-X and beauverolide La were isolated from *B. brongniartii* (Br) and *C. militaris* (Cm), among which beauveriolide X is a new compound identified in this study.

## References

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