

1 **Lytic potential of *Lysobacter capsici* VKM B-2533^T: bacteriolytic enzymes and outer membrane vesicles**

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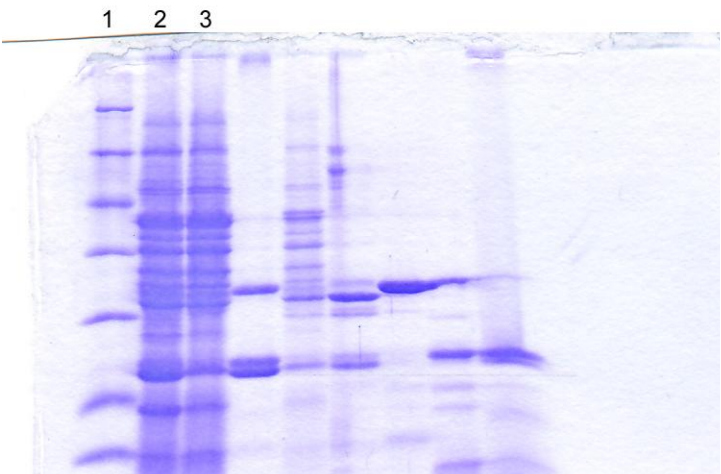
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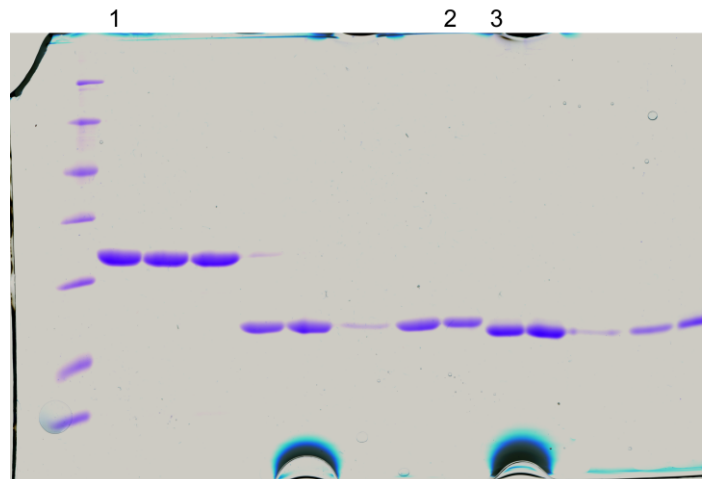
Supplementary Table S1 Purification of *L. capsici* bacteriolytic proteins.

Step	Total protein (mg)	Total activity (U)	Specific activity (U/mg)	Purification (fold)	Yield (%)
Culture liquid	11.57	216 720	18 731	1.00	100.0
CM 650 elution fractions	3.24	54 000	16 667	0.890	24.92
ENrich S	2.33	36 000	15 451	0.825	16.61
Superdex 75	0.33	4 290	13 000	0.694	1.98
α -Lytic protease Superdex 75	0.92	27 917	30 345	1.620	12.88
β -Lytic protease Superdex 75	0.12	884	7 367	0.393	0.41
Serine trypsin-like proteases					
CM 650 washing fractions	7.21	41 480	5753	0.307	19.14
ENrich S	0.002	0.11	55	0.003	5.08 10 ⁻⁵
N- acetylglucosaminidase Superdex 75	0.179	107	598	0.032	0.05
Serine protease					

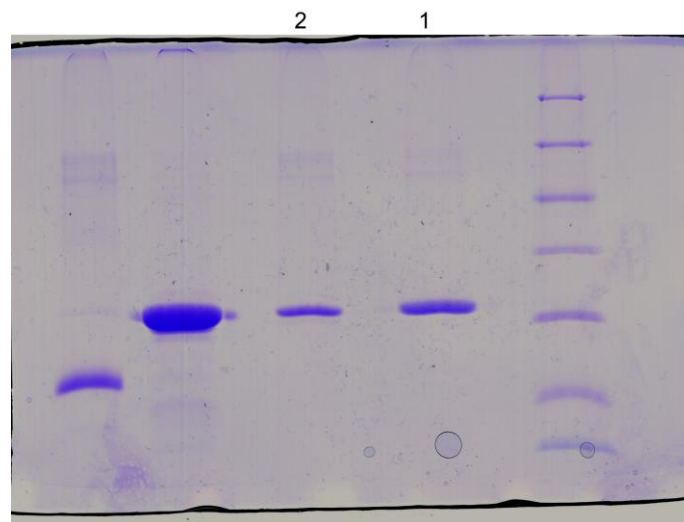
As *L. capsici* produces a large amount of lytic agents that have additive effects on the total bacteriolytic activity of the culture liquid, a change in the degree of purification in the course of the process is not typical of all bacteriolytic enzymes. A consequence of this is a decrease in the specific activity of the target protein at an increase of the degree of its purification.



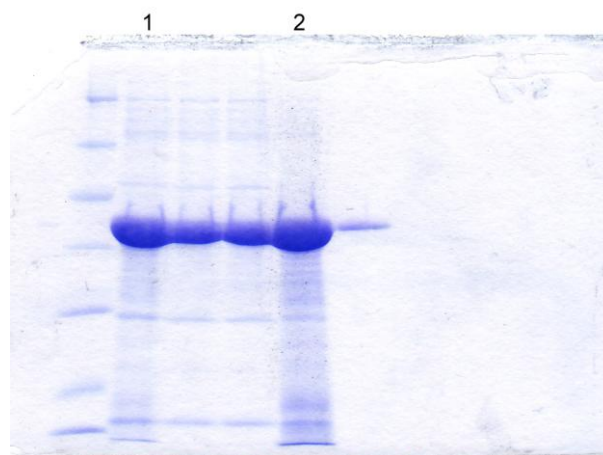
Supplementary Figure 1 Original gel images for Fig. 2b: lanes 1, 2, 3 correspond to lanes M, 1, 2 of Figure 2b.



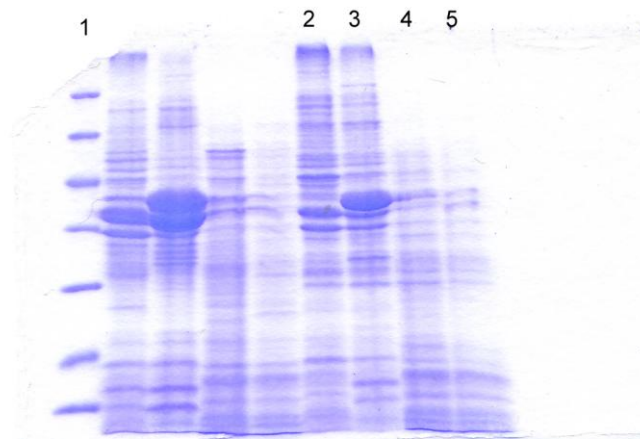
Supplementary Figure 2 Original gel images for Fig. 2b: lanes 1, 2, 3 correspond to lanes 3, 4, 5 of Figure 2b.



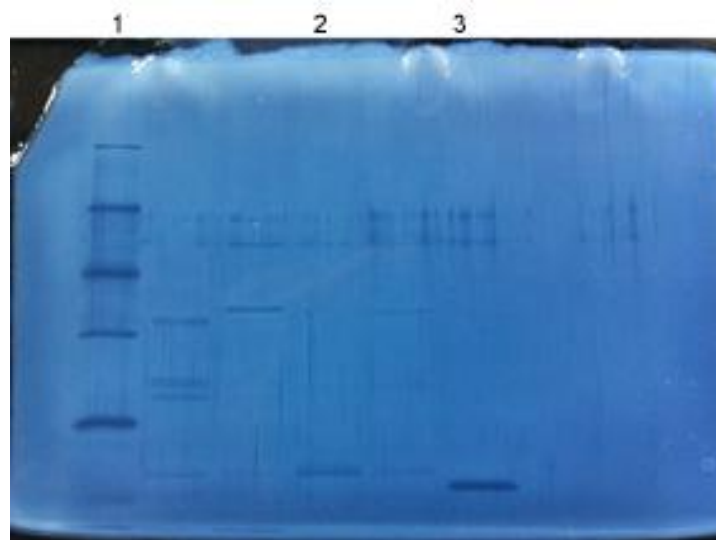
Supplementary Figure 3 Original gel images for Fig. 2b: lanes 1, 2 correspond to lanes 6, 7 of Figure 2b.



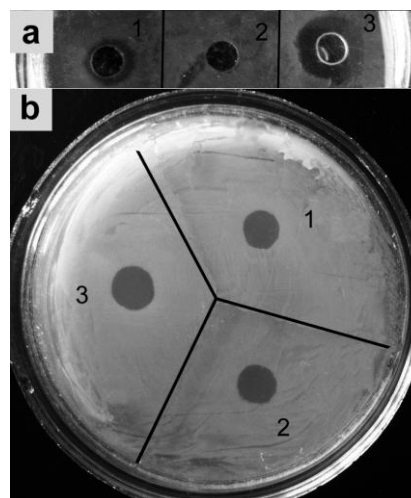
Supplementary Figure 4 Original gel images for Fig. 3a: lanes 1, 2 correspond to lanes 1, 6 of Figure 3a.



Supplementary Figure 5 Original gel images for Fig. 3a: lanes 1, 2, 3, 4, 5 correspond to lanes M, 2, 3, 4, 5 of Figure 3a.



Supplementary Figure 6 Original gel images for Fig. 3c: lanes 1, 2, 3 correspond to lanes M, 1, 2 of Figure 3c.



Supplementary Figure 7 Lytic action of OMV culture liquid. **a**, target cells of *S. sclerotiorum*. **b**, target cells of *M. luteus*. Culture liquid before (1) and after (2) isolation of OMVs, and preparation of OMVs (3).