

Supplementary Table 1. Summary of results of the search for proteins similar to *P. viticola* WY-domain-containing proteins in other oomycetes.

Species	Total hits ^a	RXLR ^b	No RXLR ^c	No RXLR – EER ^d
<i>Phytophthora infestans</i>	87	66	21	19
<i>Phytophthora parasitica</i>	63	51	12	12
<i>Peronospora tabacina</i>	25	10	15	13
<i>Plasmopara halstedii</i> 710	35	4	31	21
<i>Plasmopara halstedii</i> OS-Ph8-99-BIA4	20	2	18	14
<i>Hyaloperonospora arabidopsidis</i>	6	0	6	6

a: Blast hits after filtering for presence of signal peptide and absence of transmembrane domain. **b:** Number of proteins from *a* carrying RXLR or RXLR-like motifs. **c:** Number of proteins from *a* lacking RXLR or RXLR-like motifs. **d:** Number of proteins from *c* showing dEER or dEER-like motifs inside the first 80 amino acids.

Details of Blast searches and filtering are described in the Supplementary Methods section.