Supplemental Information
For
VapA of *Rhodococcus equi* Binds Phosphatidic Acid

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Table S1. Plasmids used in this study.

Plasmids	Description	Source
pHis-Parallel1	N-terminal His tag expression vector; $Carb^R$	(Sheffield et al., 1999)
pGO35	yeast N-terminal GFP fusion expression plasmid	(Burd and Emr, 1998; Odorizzi et al., 1998)
pVapALMW	*vapA*(94-567) in pHis-Parallel1; $Carb^R$	This Study
pVapGLMW	*vapG* in pHis-Parallel1; $Carb^R$	This Study
pVapBLMW	*vapB* in pHis-Parallel1; $Carb^R$	This Study
pVapK2LMW	*vapK2* in pHis-Parallel1; $Carb^R$	This Study
pGFP-VapA	*vapA* in pGO35	This Study
pGFP-VapA$^{32-189}$	*vapA*(94-567) in pGO35	This Study
pGFP-VapG$^{27-172}$	*vapG*(79-519) in pGO35	This Study
pGFP-VapB$^{35-197}$	*vapB*(103-594) in pGO35	This Study
pGFP-VapK2$^{32-202}$	*vapK2*(94-609) in pGO35	This Study
pGFPmut2	constitutive GFP expression plasmid; Hyg^R	(Burton et al., 2015)

Table S2. Primers used in this study.

Name	Sequence[1]	Plasmid Generated
VapA F (BamHI)	5'-GTAGGATCCGACCGTTCTTGATTCCGGTAG-3'	pVapALMW
VapA R (SalI)	5'-CTAGTCGACCCGGAAGTACGTGCAG-3'	pVapALMW
VapG F (EcoRI)	5'-GAATTCGCGGAAACTTCAATGGTATCCAC-3'	pVapGLMW
VapG R (SpeI)	5'-CTTACTAGTGTGAGTGCGCCGTCC-3'	pVapGLMW
VapB F (EcoRI)	5'-GTTGAATTCGCGGCTGTGCTGGATTC-3'	pVapBLMW
VapB R (SalI)	5'-CATGTCGACCTATGCGTTATGCAACCTC-3'	pVapBLMW
VapK2 F (EcoRI)	5'-GTTGAATTCCAACCGCTGGACGTTG -3'	pVapK2LMW
VapK2 R (SpeI)	5'-CCTACTAGTCGAACGTTATGTTCGCC-3'	pVapK2LMW
GFP-VapA NSS F (BglII)	5'-ATGGATGAACTATACAAGTCCGGACTC AGATCTATGACCGTTCTTGATTCCGGTAGC-3'	pGFP-VapA$^{32-189}$
GFP-VapA SS F (BglII)	5'-ATGGATGAACTATACAAGTCCGGACT CAGATCTATGGTGAAGACTCTTCACAAGAC-3'	pGFP-VapA
GFP-VapA R (BglII)	5'-GTCGACTGCAGAATTCGAAGCTTGAG CTCGAGATCTCTAGGCGTTGTGCCAGCTAC-3'	pGFP-VapA$^{32-189}$, pGFP-VapA
GFP-VapG NSS F (BglII)	5'-ATGGATGAACTATACAAGTCCGGACTC AGATCTATGGGAAACTTCAATGGTATCCAC-3'	pGFP-VapG$^{27-172}$
GFP-VapG R (BglII)	5'-GTCGACTGCAGAATTCGAAGCTTGA GCTCGAGATCTCTATTGCCACCCTCCGGTTC-3'	pGFP-VapG$^{27-172}$
GFP-VapB NSS F (BglII)	5'-ATGGATGAACTATACAAGTCCGGACT CAGATCTATGGCTGTGCTGGATTCCGGAGGC-3'	pGFP-VapB$^{35-197}$
GFP-VapB R (BglII)	5'-GTCGACTGCAGAATTCGAAGCTTGAGC TCGAGATCTCTATTATGCAACCTCCCAGTTG-3'	pGFP-VapB$^{35-197}$

GFP-VapK2 NSS F (BglII)	5'-ATGGATGAACTATACAAGTCCGGACT CAGATCTATGCAACCGCTGGACGTTG-3'	pGFP-VapK2$^{32-202}$
GFP-VapK2 R (BglII)	5'-GTCGACTGCAGAATTCGAAGCTTGAGC TCGAGATCTCTATTATGACCAGCTGCCG-3'	pGFP-VapK2$^{32-202}$

[1]Underlined sequence represents corresponding restriction site.

References

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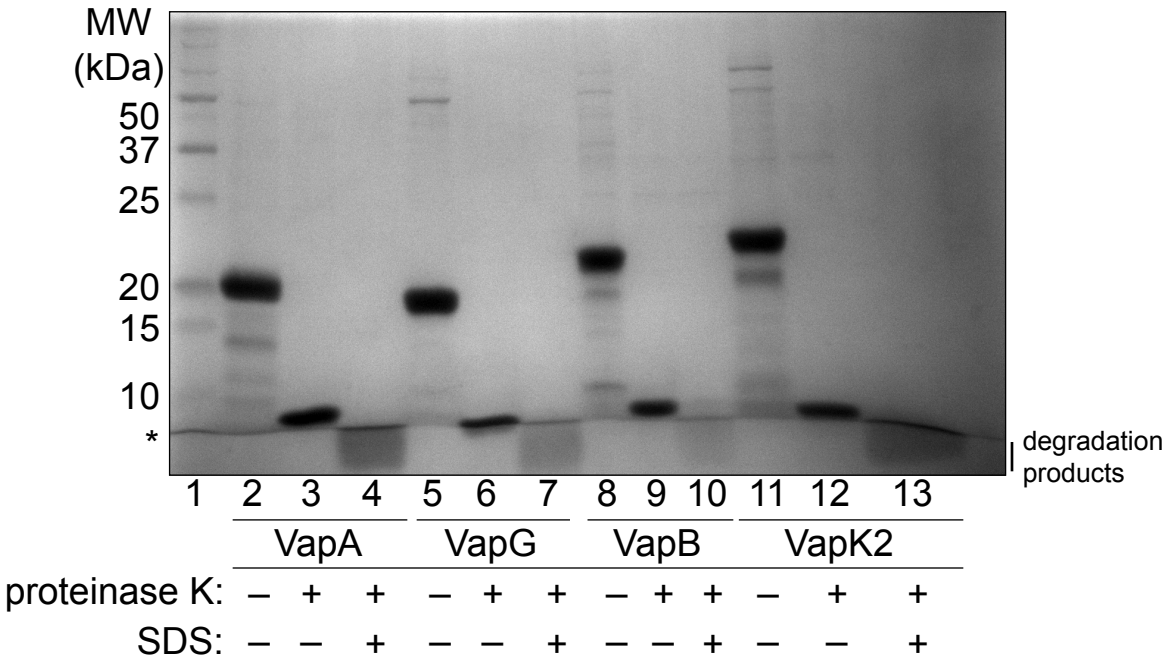

Figure S1. Proteinase K digestion of each recombinant Vap shows a stable protein core. 3 µg of indicated recombinant Vap protein was incubated with or without Proteinase K (500:1 protein:Proteinase K molar ratio) and, where indicated, 1% SDS for 75 min at 37 °C. Reactions were separated via SDS-PAGE and stained with Coomassie Brilliant Blue. The asterisk (*) indicates the dye front of the gel.