

**Additional file 2 - Amino acid homology of the predicted PA2783 protein endopeptidase domain with other bacterial proteins**

<b>Organism Accession Number</b>	<b>Protein</b>	<b>Identity (%)</b>	<b>Similarity (%)</b>	<b>Gaps (%)</b>
<b><i>Homology across entire metalloendopeptidase domain</i></b>				
<i>Pseudomonas mendocina</i> YP_001189641.1 ymp	CHO-binding CenC domain- containing protein	124/178 (70)	143/178 (80)	2/178 (1)
<i>Hahella chejuensis</i> YP_433029.1 KTC 2396	Ni,Fe-hydrogenase I small subunit	85/178 (48)	116/178 (65)	12/178 (7)
<i>Agarivorans albus</i> WP_016400415.1 MKT 106	Secreted trypsin-like serine protease	85/178 (48)	104/178 (58)	18/178 (10)
<b><i>Homology across conserved peptidase motif</i></b>				
<i>Alteromonas macleodii</i> YP_006749171.1 ATCC27126	Hypothetical protein	16/22 (73)	17/22 (77)	0/22 (0)
<i>Aeromonas hydrophila</i> YP_855156.1 ML09-119	Hypothetical protein	14/22 (64)	14/22 (64)	0/22 (0)
<i>Aeromonas aquariorum</i> WP_010635185.1	Hypothetical protein	14/22 (64)	14/22 (64)	0/22 (0)
<i>Vibrio cholerae</i> O1 WP_000710201.1	Hypothetical protein	14/22 (64)	17/22 (77)	0/22 (0)
<i>Vibrio mimicus</i> WP_000710197.1 VM543	Hypothetical protein	14/22 (64)	16/22 (73)	0/22 (0)
<i>Vibrio vulnificus</i> WP_002810048.1 MO6-24/O	Hypothetical protein	14/22 (64)	17/22 (77)	0/22 (0)
<i>Xanthomonas fragariae</i> WP_002810048.1 LMG 25863	Hypothetical protein	12/22 (54)	13/22 (59)	2/22 (9)
<i>Xanthomonas campestris</i> M72.UPW WP_010375553.1	Peptidyl-Asp metalloendopeptidase	12/22 (54)	13/22 (59)	2/22 (9)
<i>Xanthomonas vesicatoria</i> M72.UPW WP_005991741.1	Peptidyl-Asp metalloendopeptidase	12/22 (54)	13/22 (59)	2/22 (9)