```
R2866 MKKTAIALVVAGLAAASVAQAAPQENTFYAGVKAGQGSFHDGINNNGAIKEDLS--LGYG 58
11P6H MKKTAIALVVAGLAAASVAQAAPQENTFYAGVKAGQASFHDGINNNGAIKNDLLELTSYG 60
     MKKTAIALVVAGLAAASVAQAAPQENTFYAGVKAGQGSFHDGINNNGAIKEALTS-ASYG 59
     MKKTAIALVVAGLAAASVAQAAPQENTFYAGVKAGQASFHDGLR-----ALAREYKVG 53
Rd
                                                   Loop 1
R2866 YRRNTFTYGVFGGYQILNQDNFGLAAELGYDNFGRVKFRAEGKTKAKHTNHGAHLSLKGS
11P6H YRRNTFTYGVFGGYQILNQDNFGLAAELGYDNFGRVKLRAEGKTKAKHTNHGAHLSLKGS
     YRRNTFTYGVFGGYQILNQDNFGLAAELGYDNFGRAKLREVGKPSAKHTNHGAHLSLKGS
3655
     YHRNSFTYGVFGGYOILNONNLGLAVELGYDDFGRAKGREKGKTVVKHTNHGTHLSLKGS
Rd
     Loop 2
R2866 YEVLDGLDVYGKAGVALVRSDYKFYEDANGTRDHKKGRHTARASGLFAVGAEYAVLPELA 178
11P6H YEVLDGLDVYGKAGVALVRSDYKFYEDANGTRDHKKGRHTARASGLFAVGAEYAVLPELA 180
     YEVLDGLDVYGKAGVALVRSDYKRYEEANGTRNHDKGRHSLRTSGLFSVGAEYAVLPELA 179
3655
     YEVLEGLDVYGKAGVALVRSDYKLYNENSSTLKKLGEHHRARASGLFAVGAEYAVLPELA 173
Rd
                                Loop 3
R2866 VRLEYOWLTRVGKYRPQAKPNTAINYNPWIGSINAGISYR 218
11P6H VRLEYQWLTRVGKYRPQDKPNTAINYNPCIGSINAGISYR 220
3655
     VRLEYOWLTRVGKLRTODKPNSAINYNPWIGSINVGISYR 219
Rd
     VRLEYOWLTRVGKYRPODKPNTALNYNPWIGSINAGISYR 213
                   Loop 4
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Supplemental figure S4

ClustalW alignment OmpP5 from strains Rd, R2866, 3655 and 11P6H.

PCR products amplified from genomic DNA of strains Rd, R2866, 3655 and 11P6H containing the *ompP5* gene were sequenced and amino acid sequences aligned with ClustalW2. Black bars represent predicted outer membrane loops. Colors represent amino acid properties. Red = Small (small + hydrophobic (including aromatic –Y)); Blue = acidic; Magenta = Basic – H; Green = Hydroxyl + sulfhydryl + amine + G.