

Supplementary Table S2: Virulence factor genes identified in *Providencia vermicola* P8538 isolate.

Gene	Description	Best Blast Hit	Identity (%)	Coverage (%)	Accession Number
<i>hcp/tssD</i>	Type VI secretion system protein, Hcp family	<i>Klebsiella pneumoniae</i> HS11286	77.24	100	YP_005226602.1
<i>gnd</i>	6-phosphogluconate dehydrogenase	<i>Klebsiella pneumoniae</i> NTUH-K2044	76.17	100	YP_002920353.1
<i>acrB</i>	Acriflavine resistance protein B	<i>Klebsiella pneumoniae</i> NTUH-K2044	70.49	99.34	YP_002918165.1
<i>kdsA</i>	2-dehydro-3-deoxyphosphooctonate aldolase	<i>Haemophilus influenzae</i> Rd KW20	74.82	98.83	NP_439706
<i>rfaD</i>	ADP-L-glycero-D-mannoheptose-6-epimerase	<i>Haemophilus influenzae</i> Rd KW20	72.58	98.83	NP_439271
<i>htpB</i>	Hsp60, 60K heat shock protein Htpb	<i>Legionella pneumophila</i> 1	73.95	98.72	YP_094724
<i>fliG</i>	Flagellar motor switch protein G	<i>Yersinia enterocolitica</i> 8081	71.46	98.59	YP_001006742
<i>cheY</i>	Chemotaxis regulatory protein Chey	<i>Yersinia enterocolitica</i> 8081	75.78	97.46	YP_001006774
<i>vipB/tssC</i>	Type VI secretion system contractile sheath large subunit Vipb	<i>Klebsiella pneumoniae</i> HS11286	70.59	95.45	YP_005226598.1
<i>lpxC</i>	UDP-3-O-(R-3-hydroxymyristoyl)-N-acetylglucosamine deacetylase	<i>Haemophilus influenzae</i> Rd KW20	73.91	94.99	NP_439302
<i>rcsB</i>	Transcriptional regulator Rcsb	<i>Klebsiella pneumoniae</i> NTUH-K2044	73.53	94.01	YP_002920501.1
<i>flhC</i>	Flagellar biosynthesis transcription activator Flhc	<i>Yersinia enterocolitica</i> 8081	75	90.82	YP_001006783
<i>fliM</i>	Flagellar motor switch protein Flim	<i>Yersinia enterocolitica</i> 8081	70.08	87.8	YP_001006748
<i>fliQ</i>	Flagellar biosynthetic protein Fliq	<i>Yersinia enterocolitica</i> 8081	71.37	86.3	YP_001006752
<i>fliI</i>	Flagellum-specific ATP synthase Flii	<i>Yersinia enterocolitica</i> 8081	71.92	84.65	YP_001006744
<i>flgG</i>	Flagellar basal-body rod protein Flgg	<i>Yersinia enterocolitica</i> 8081	71.08	83.52	YP_001006759
<i>cheW</i>	Purine-binding chemotaxis protein Chew	<i>Yersinia enterocolitica</i> 8081	71.01	82.53	YP_001006779
<i>luxS</i>	S-ribosylhomocysteinase	<i>Vibrio cholerae</i> O1 biovar El Tor N16961	72.42	80.62	NP_230208
<i>flhA</i>	Flagellar biosynthesis protein Flha	<i>Yersinia enterocolitica</i> 8081	71.02	73.82	YP_001006770
<i>gmhA/lpcA</i>	Phosphoheptose isomerase	<i>Haemophilus influenzae</i> Rd KW20	77.97	71.33	NP_439337