

Table 2. The annotation of vB_RsoP_BMB116 genome ORFs with possible functions (Supplementary Data 1)

ORF no.	Location (bp)		Strand	Protein size (aa)	Possible function
	start	stop			
vB_RsoP_BMB116_11	4078	4371	+	97	Response regulator transcription factor
vB_RsoP_BMB116_21	7745	8176	+	143	Metal-dependent phosphohydrolase
vB_RsoP_BMB116_26	9184	9711	+	175	Antirestriction protein
vB_RsoP_BMB116_38	13292	13537	+	81	Superinfection immunity protein
vB_RsoP_BMB116_52	18516	19220	+	234	Cell wall hydrolase
vB_RsoP_BMB116_53	19334	19585	+	83	KTSC domain-containing protein
vB_RsoP_BMB116_57	21056	22513	+	485	DEAD/DEAH box helicase
vB_RsoP_BMB116_60	23782	24564	+	260	DNA polymerase I, thermostable
vB_RsoP_BMB116_62	24737	27427	+	896	DNA polymerase
vB_RsoP_BMB116_63	27522	28052	+	176	Metal-dependent phosphohydrolase
vB_RsoP_BMB116_64	28037	29383	+	448	DNA ligase
vB_RsoP_BMB116_65	29446	29877	+	143	Holliday junction resolvase RecU
vB_RsoP_BMB116_66	29874	30440	+	188	3'-5' exonuclease
vB_RsoP_BMB116_67	30485	31465	+	326	Metallophosphoesterase
vB_RsoP_BMB116_69	31784	33856	+	690	SMC family ATPase
vB_RsoP_BMB116_70	34159	34644	+	161	Nucleoside triphosphate
vB_RsoP_BMB116_72	34922	36205	+	427	FAD-dependent thymidylate synthase
vB_RsoP_BMB116_73	36207	36788	+	193	Deoxynucleoside monophosphate kinase
vB_RsoP_BMB116_74	36873	38696	+	607	Ribonucleoside-diphosphate reductase
vB_RsoP_BMB116_75	38735	39781	+	348	Ribonucleotide-diphosphate reductase
vB_RsoP_BMB116_79	41237	40824	-	137	Type II toxin-antitoxin system, death-on-
vB_RsoP_BMB116_82	42202	43329	+	375	Site-specific integrase
vB_RsoP_BMB116_84	44478	43936	-	177	Lysis system i-spanin subunit Rz
vB_RsoP_BMB116_85	44864	44478	-	128	Phage holin family protein
vB_RsoP_BMB116_87	45765	45214	-	183	Glycoside hydrolase family 19 protein
vB_RsoP_BMB116_90	47079	46384	-	231	PhoH family protein
vB_RsoP_BMB116_92	48651	47389	-	420	Radical SAM domain-containing protein
vB_RsoP_BMB116_95	51216	50299	-	305	Tail fiber domain-containing protein
vB_RsoP_BMB116_96	51641	51225	-	138	Enoyl-CoA hydratase/carnithine racemase-
vB_RsoP_BMB116_97	52465	51641	-	274	Tail fiber assembly protein
vB_RsoP_BMB116_98	54921	52465	-	818	Tail fiber protein

vB_RsoP_BMB116_101	60263	56667	—	1198	Phage tail protein
vB_RsoP_BMB116_102	60844	60263	—	193	Tail assembly protein
vB_RsoP_BMB116_103	61208	60849	—	119	Tail protein
vB_RsoP_BMB116_104	61677	61198	—	159	NlpC/P60 family protein
vB_RsoP_BMB116_105	62161	61664	—	165	Minor tail protein
vB_RsoP_BMB116_107	67808	62553	—	1751	Phage tail tape measure protein
vB_RsoP_BMB116_109	68467	68081	—	128	Tail length, tape measure protein chaperone
vB_RsoP_BMB116_116	73679	72489	—	396	Major head protein
vB_RsoP_BMB116_118	75187	74111	—	358	DNA-binding protein
vB_RsoP_BMB116_119	76801	75317	—	494	Portal protein
vB_RsoP_BMB116_120	78542	76791	—	583	Phage terminase large subunit family
vB_RsoP_BMB116_122	79188	81647	+	819	Bifunctional DNA primase/polymerase
