

Supplemental Table 4: JCVISCOO1 specific genes identified via reciprocal best blast analysis.

Raw Count	% of Specific	Annotation
246	46.68	hypothetical protein
91	17.27	conserved hypothetical protein
31	5.88	conserved domain protein
4	0.76	cleaved adhesin domain protein
4	0.76	site-specific recombinase, phage integrase family
3	0.57	PcfJ-like protein
3	0.57	peptidase, S9A/B/C family, catalytic domain protein
3	0.57	TraM recognition site of TraD and TraG
3	0.57	transposase, IS4-like family protein
3	0.57	lipoprotein, putative
3	0.57	DNA-binding helix-turn-helix protein
3	0.57	glycosyltransferase, group 1 family protein
2	0.38	transporter PF05598 domain protein
2	0.38	glycosyl hydrolase family 3, N-terminal domain protein
2	0.38	response regulator receiver domain protein
2	0.38	Cna protein B-type domain protein
2	0.38	2-oxoacid dehydrogenase acyltransferase, catalytic domain protein
2	0.38	DDE Tnp 1-associated domain protein
2	0.38	NAD(P) transhydrogenase beta subunit domain protein
2	0.38	Abi-like protein
2	0.38	relaxase/mobilization nuclease domain protein
2	0.38	PcfK-like protein
2	0.38	PF07877 family protein
2	0.38	propeptide C25
2	0.38	oxidoreductase NAD-binding domain protein
2	0.38	virulence-associated protein E
2	0.38	YWFCY protein
2	0.38	PF13338 domain protein
2	0.38	nucleotidyl transferase, PF08843 family
2	0.38	TraM recognition site of TraD and TraG domain protein
2	0.38	helicase C-terminal domain protein
2	0.38	tetratricopeptide repeat protein
1	0.19	S4 domain protein
1	0.19	polysaccharide biosynthesis protein
1	0.19	carbohydrate kinase, PfkB family
1	0.19	haloacid dehalogenase-like hydrolase
1	0.19	transcriptional regulator, AraC family

1	0.19	AAA domain protein
1	0.19	type I restriction enzyme R protein N-terminal
1	0.19	SEFIR domain protein
1	0.19	prismane/CO dehydrogenase domain protein
1	0.19	DDE Tnp 1-associated
1	0.19	transposase, IS4 family
1	0.19	ACT family 7
1	0.19	Na(+)-translocating NADH-quinone reductasesubunit E domain protein
1	0.19	Fic/DOC family protein
1	0.19	peptidase C10 family protein
1	0.19	beta-lactamase family protein
1	0.19	sigma-70 region 2
1	0.19	WYL domain protein
1	0.19	gingipain R1
1	0.19	dolichyl-phosphate-mannose-proteinmannosyltransfer ase
1	0.19	site-specific recombinase, phage integratedomain pr otein
1	0.19	TonB-dependent receptor
1	0.19	PF12988 family protein
1	0.19	conjugative transposon protein TraO
1	0.19	conjugative transposon TraN protein
1	0.19	conjugative transposon TraM protein
1	0.19	conjugative transposon TraK protein
1	0.19	conjugative transposon TraJ protein
1	0.19	PF13605 domain protein
1	0.19	conjugation system ATPase, TraG family
1	0.19	PF13572 domain protein
1	0.19	CobQ/CobB/MinD/ParA nucleotide binding domainprotei n
1	0.19	PF07044 domain protein
1	0.19	peptidase, C39 family
1	0.19	SPASM domain peptide maturase, grasp-with-spasmsyst em
1	0.19	ATP-GRASP peptide maturase, grasp-with-spasmsystem
1	0.19	PF13101 family protein
1	0.19	DNA topoisomerase
1	0.19	SNF2 family N-terminal domain protein
1	0.19	undecaprenyl-phosphate N-acetylglucosaminyl1-phosph ate transferase domain protein
1	0.19	MerR HTH family regulatory protein
1	0.19	toprim-like protein
1	0.19	Por secretion system C-terminal sorting domain
1	0.19	KAP family P-loop domain protein
1	0.19	PF13910 domain protein

1	0.19	divergent AAA domain protein
1	0.19	PF14390 domain protein
1	0.19	Z1 domain protein
1	0.19	GHLK domain protein
1	0.19	modification methylase HhaI family protein
1	0.19	PF14229 domain protein
1	0.19	PF11396 family protein
1	0.19	PF13571 domain protein
1	0.19	nucleic acid-binding domain protein
1	0.19	EPSP synthase (3-phosphoshikimate 1-carboxyvinyltransferase) domain protein
1	0.19	dipeptidyl-peptidase IV
1	0.19	SIR2-like domain protein
1	0.19	orotate phosphoribosyltransferase domain protein
1	0.19	glycosyltransferase, group 1 domain protein
1	0.19	PF13351 family protein
1	0.19	integrase core domain protein
1	0.19	competence/damage-inducible protein CinA domain protein
1	0.19	HipA-like C-terminal domain protein
1	0.19	heptosyltransferase
1	0.19	PF14063 family protein
1	0.19	putative alcohol dehydrogenase YqhD
1	0.19	GLPGLI family protein
1	0.19	histidine biosynthesis protein
1	0.19	DNA adenine methylase
1	0.19	phosphoribosylamine--glycine ligase
1	0.19	DEAD/DEAH box helicase
1	0.19	PF03994 domain protein
1	0.19	YceI-like domain protein
1	0.19	PF13785 domain protein
1	0.19	carbohydrate kinase, PfkB domain protein
1	0.19	imidazoleglycerol-phosphate dehydratase domain protein
1	0.19	serine carboxypeptidase domain protein
1	0.19	head-to-tail joining protein W
1	0.19	phage portal protein, lambda family
1	0.19	spermine/spermidine synthase
1	0.19	ATP phosphoribosyltransferase, C-terminal-like domain protein
1	0.19	phosphoribosyl-ATP diphosphatase
1	0.19	putative DNA-binding protein
1	0.19	transporter, lactate permease family
1	0.19	DNA binding domain, excisionase family
1	0.19	starch-binding protein, SusD-like domain protein

1	0.19	thioesterase family protein
1	0.19	O-Glycosyl hydrolase family 30 domain protein
1	0.19	protease PrtH domain protein
1	0.19	NYN domain protein
