

Supplementary table 1. Genes with obviously changed methylation type in SMRT sequencing.

Number	Local tag	C6706		CV2		TIGR Common Name	Gene Symbol	Mainrole	Subrole
		m4C	m6A	m4C	m6A				
1	VC_0025	+	+	+		hypothetical protein			
2	VC_0141	+	+	+		hypothetical protein			
3	VC_0367	+	+	+		primosomal replication protein N	<i>priB</i>	DNA metabolism	DNA replication, recombination, and repair
4	VC_0368	+	+	+		ribosomal protein S18	<i>rpsR</i>	Protein synthesis	Ribosomal proteins: synthesis and modification
5	VC_0686	+	+	+		hypothetical protein			
6	VC_0912	+	+	+		hypothetical protein			
7	VC_1007	+	+	+		hypothetical protein			
8	VC_1020	+	+	+		hypothetical protein			
9	VC_1109	+	+	+		hypothetical protein			
10	VC_1142	+	+	+		cold shock-like protein CspD	<i>cspD</i>	Regulatory functions	Other
11	VC_1227	+	+	+		hypothetical protein			
12	VC_1247	+	+	+		hypothetical protein			
13	VC_1415	+	+	+		hcp protein	<i>hcp-1</i>	Unknown function	General
14	VC_1441	+	+	+		cytochrome c oxidase, subunit CcoO	<i>ccoO</i>	Energy metabolism	Electron transport
15	VC_1474	+	+	+		conserved hypothetical protein		Hypothetical proteins	Conserved
16	VC_1487	+	+	+		conserved hypothetical protein		Hypothetical proteins	Conserved
17	VC_1569	+	+	+		hypothetical protein			
18	VC_1835	+	+	+		peptidoglycan-associated lipoprotein	<i>pal</i>	Cell envelope	Other
19	VC_1962	+	+	+		lipoprotein		Cell envelope	Other
20	VC_2170	+	+	+		hypothetical protein			
21	VC_2200	+	+	+		flagellar basal-body rod protein FlgB	<i>flgB</i>	Cellular processes	Chemotaxis and motility
22	VC_2423	+	+	+		fimbrial protein	<i>pilA</i>	Cell envelope	Surface structures
23	VC_2575	+	+	+		ribosomal protein L36	<i>rpmJ</i>	Protein synthesis	Ribosomal proteins: synthesis and modification
24	VC_2652	+	+	+		conserved hypothetical protein		Hypothetical proteins	Conserved
25	VC_A0019	+	+	+		hypothetical protein			
26	VC_A0028	+	+	+		hypothetical protein			
27	VC_A0045	+	+	+		protease-related protein		Protein fate	Degradation of proteins, peptides, and glycopeptides
28	VC_A0100	+	+	+		phage shock protein E	<i>pspE</i>	Cellular processes	Adaptations to atypical conditions
29	VC_A0138	+	+	+		hypothetical protein			
30	VC_A0159	+	+	+		conserved hypothetical protein		Hypothetical proteins	Conserved
31	VC_A0182	+	+	+		sigma-54 dependent transcriptional regulator		Regulatory functions	Other
32	VC_A0313	+	+	+		MutT/nudix family protein		DNA metabolism	DNA replication, recombination, and repair
33	VC_A0318	+	+	+		conserved hypothetical protein		Hypothetical proteins	Conserved
34	VC_A0448	+	+	+		hypothetical protein			
35	VC_A0480	+	+	+		hypothetical protein			
36	VC_A0705	+	+	+		phosphoglycerate transport regulatory protein PgtB, putative		Regulatory functions	Other
37	VC_A0729	+	+	+		hypothetical protein			
38	VC_A0735	+	+	+		hypothetical protein			
39	VC_A0844	+	+	+		hypothetical protein			
40	VC_A0857	+	+	+		hypothetical protein			
41	VC_A0859	+	+	+		oxidoreductase, aldo/keto reductase 2 family		Central intermediary metabolism	Other
42	VC_A0889	+	+	+		transcriptional regulator, LysR family		Regulatory functions	Other
43	VC_A1019	+	+	+		conserved hypothetical protein		Hypothetical proteins	Conserved
44	VC_A1080	+	+	+		secretion protein, HlyD family		Protein fate	Protein and peptide secretion and trafficking
45	VC_t021	+	+	+					
46	VC_t042	+	+	+					
47	VC_t058	+	+	+					

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		m4C	m6A	m4C	m6A				
48	VC_t085	+	+	+					
49	VC_0001	+	+		+	hypothetical protein			
50	VC_1243	+	+		+	hypothetical protein			
51	VC_1379	+	+		+	hypothetical protein			
52	VC_2304	+	+		+	hypothetical protein			
53	VC_A0253	+	+		+	antibiotic acetyltransferase	Cellular processes		Toxin production and resistance
54	VC_A0463	+	+		+	biphenyl-2,3-diol 1,2-dioxygenase III-related protein	Central intermediary metabolism		Other
55	VC_A0541	+	+		+	hypothetical protein			
56	VC_A1091	+	+		+	chemotaxis protein methyltransferase CheR	<i>cheR-3</i> Cellular processes		Chemotaxis and motility
57	VC_t045	+	+		+				
58	VC_1030					hypothetical protein			
59	VC_1387					hypothetical protein			
60	VC_1648					hypothetical protein			
61	VC_2034					hypothetical protein			
62	VC_2230					phosphoheptose isomerase	<i>lpcA</i> Cell envelope		Biosynthesis and degradation of surface polysaccharides and lipopolysaccharides
63	VC_2328					hypothetical protein			
64	VC_2648					hypothetical protein			
65	VC_2752					hypothetical protein			
66	VC_A0040					conserved hypothetical protein	Hypothetical proteins		Conserved
67	VC_A0109					hypothetical protein			
68	VC_A0189					response regulator	Regulatory functions		Other
69	VC_A0228					vibriobactin and enterobactin ABC transporter, permease protein	<i>vctD</i> Transport and binding proteins		Cations
70	VC_A0301					oxidoreductase, short-chain dehydrogenase/reductase family	Central intermediary metabolism		Other
71	VC_A0326					hypothetical protein			
72	VC_A0342					hypothetical protein			
73	VC_A0578					conserved hypothetical protein	Hypothetical proteins		Conserved
74	VC_A0625					heme receptor HasR	<i>hasR</i> Transport and binding proteins		Cations
75	VC_A0653					PTS system, sucrose-specific IIBC component	<i>scrA</i> Transport and binding proteins		Carbohydrates, organic alcohols, and acids
76	VC_A0672					hypothetical protein			
77	VC_A0752					thioredoxin 2	<i>trxC</i> Energy metabolism		Electron transport
78	VC_A0888					transcriptional regulator, LuxR family	Regulatory functions		Other
79	VC_A0934					hypothetical protein			
80	VC_A1047					mannitol operon repressor	<i>mtlR</i> Regulatory functions		Other
81	VC_A1066		+			hypothetical protein			
82	VC_0107			+	+	hypothetical protein			
83	VC_0226			+	+	hypothetical protein			
84	VC_0479			+	+	hypothetical protein			
85	VC_0621			+	+	hypothetical protein			
86	VC_0805			+	+	hypothetical protein			
87	VC_0996			+	+	hypothetical protein			
88	VC_1027			+	+	molybdenum cofactor biosynthesis protein D	<i>moaD</i> Biosynthesis of cofactors, prosthetic groups, and carriers		Molybdopterin
89	VC_1239			+	+	cobinamide kinase/cobinamide phosphate guanylyltransferase	<i>cobU</i> Biosynthesis of cofactors, prosthetic groups, and carriers		Heme, porphyrin, and cobalamin
90	VC_1462			+	+	RstB2 protein	<i>rstB2</i> Other categories		Prophage functions
91	VC_1468			+	+	conserved hypothetical protein	Hypothetical proteins		Conserved
92	VC_1498			+	+	conserved hypothetical protein	Hypothetical proteins		Conserved

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		m4C	m6A	m4C	m6A				
93	VC_1780	+		+	+	hypothetical protein			
94	VC_1913	+		+	+	conserved hypothetical protein	Hypothetical proteins		Conserved
95	VC_2663	+		+	+	hypothetical protein			
96	VC_A0007	+		+	+	3-hydroxyisobutyrate dehydrogenase, putative	Energy metabolism		Other
97	VC_A0292	+		+	+	hypothetical protein			
98	VC_A0419	+		+	+	hypothetical protein			
99	VC_A0456	+		+	+	hypothetical protein			
100	VC_A0483	+		+	+	hypothetical protein			
101	VC_A0540	+		+	+	formate transporter 1, putative	Transport and binding proteins		Carbohydrates, organic alcohols, and acids
102	VC_A0631	+		+	+	hypothetical protein			
103	VC_A0638	+		+	+	transporter, AcrB/D/F family	Transport and binding proteins		Cations
104	VC_A0658	+		+	+	methyl-accepting chemotaxis protein	Cellular processes		Chemotaxis and motility
105	VC_A0760	+		+	+	arginine ABC transporter, ATP-binding protein	<i>artP</i> Transport and binding proteins		Amino acids, peptides and amines
106	VC_A0803	+		+	+	serine protease, putative	Protein fate		Degradation of proteins, peptides, and glycopeptides
107	VC_A1021	+		+	+	transcriptional regulator, LysR family	Regulatory functions		Other
108	VC_r003	+		+	+				
109	VC_r019	+		+	+				
110	VC_t046	+		+	+				
111	VC_t050	+		+	+				
112	VC_A0244		+	+	+	sugar isomerase SgaE, AraD/FucA family	Energy metabolism		Sugars
113	VC_A0399		+	+	+	hypothetical protein			
114	VC_A0635		+	+	+	transcriptional regulator, LysR family	Regulatory functions		Other
115	VC_A1015		+	+	+	Na ⁺ /H ⁺ antiporter	<i>nhaD</i> Transport and binding proteins		Cations
116	VC_A0698	+		+	+	hypothetical protein			