

Supplementary Data

<i>Table S1. Kronos gene coordinates</i>		
<i>Gene coordinates</i>	<i>Gene product</i>	<i>Significant GenBank protein matches (Yes/No)</i>
80..319	HNH endonuclease	Yes
540..1028	Terminase, small subunit (TerS)	Yes
1032..2756	Terminase, large subunit (TerL)	Yes
2791..4083	Portal protein	Yes
4076..5038	Protease IV	Yes
5125..6489	Major capsid protein	Yes
6575..7309	Hypothetical protein	No
7480..8211	Gp6-like head-tail connector	Yes
8216..8596	Hypothetical protein	No
8600..9094	Gp10 tail component	Yes
9094..9510	DUF3168 protein	Yes
9529..9987	Tail protein	Yes
9991..10410	Hypothetical protein	No
10434..10724	Hypothetical protein	Yes
10729..13623	Tail length-tape measure protein	Yes
13633..14220	Hypothetical protein	Yes
14220..14864	Hypothetical protein	Yes
14870..15358	Hypothetical protein	Yes
15496..18321	Host specificity protein J	Yes
18318..18746	Tail assembly chaperone protein	Yes
18756..19031	Hypothetical protein	No
19047..23066	Fibronectin type III domain protein	Yes
23069..23416	Hypothetical protein	No
23413..24144	Phage long tail fiber proximal subunit	Yes
24148..24648	Hypothetical protein	No
24698..24874	Hypothetical protein	No
24983..25195c	Hypothetical protein	No
25206..25772c	Hypothetical protein	No
25873..26511c	Hypothetical protein	No
26508..26813c	Hypothetical protein	No
26828..27328c	Hypothetical protein	No
27328..28521c	Hypothetical protein	No
28590..29693c	Hypothetical protein	No
29697..30266c	Hypothetical protein	No
30344..31309c	Hypothetical protein	Yes
31394..31822c	DUF2303 protein	Yes
31983..32198c	Hypothetical protein	Yes
32195..33403c	Hypothetical protein	No
33407..33913c	Hypothetical protein	No
33910..34281c	Hypothetical protein	No
34278..34880c	Hypothetical protein	No

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34883..35530c	Hypothetical protein	No
35543..35764c	Hypothetical protein	No
35826..36095c	Hypothetical protein	No
36147..36590	Hypothetical protein	No
36593..36748	Hypothetical protein	No
36745..37392	VRR-NUC domain-containing protein	Yes
37389..37784	Hypothetical protein	No
37784..38038	Hypothetical protein	No
38092..38475	Hypothetical protein	Yes
38472..39305	Hypothetical protein	Yes
39314..39604	Hypothetical protein	No
39601..39771	Hypothetical protein	No
39768..39971	Hypothetical protein	No
39968..40222	Hypothetical protein	No
40267..41043	Phage protein	Yes
41040..41774	Hypothetical protein	No
41809..42390	Hypothetical protein	No

Supplementary Fig. 1

CBR1 16S nucleotide sequence: 836 bp

5'-

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TTGCCTTTGATACTGGCAGTCTNGAGTACGGAAGAGGTATGTGGA ACTCCGAGTGTAGAGGT
GAAATTNGTAGATATTCGGAAGAACACCAGTGGCGAAGGCCGACATACTGGTCCGTTACTGA
CGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTNCACGCCGTA
AACGATGAGTGCTAGTTGTCGGCATGCATGCATGTCGGTGACGCAGCTAACGCATTAAGCAC
TCCGCCTGGGGAGTACGGTCGCAAGATTA AAACTCAAAGGAATTGACGGGGGCCGCACAA
GCGGTGGAGCATGTGGTTTAATTCGAAGCAACGCGCAGAACCTTACCACCTTTTGACATGCC
TGGACCGCCACAGAGATGTGGTTTTCCCTTCGGGGACTGGGACACAGGTGCTGCATGGCTGT
CGTCAGCTCGTGTCGTGAGTGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTCGCGATTAGT
TGCCATCAGGTTTGGCTGGGCACTCTAATCGTACTGCCGGAGTTAATCCGGAGGAAGGCCGG
GATGACGTCAAGTCCTCATGGCCCTTACAAGGTGGGCTACACACGTGCTACAATGGCGACTA
CAGAGGGCTGCAATCCCGCGAGGGGGAGCCAATCCCTAAAAGTCGTCTCAGTTCGGATTGTT
CTCTGCAACTCGAGAGCATGAAGTTGGAATCGCTAGTAATCGNGGTNCCAGCAGCCGCGGT
AAATACGTTCCCGGGCCTTGTACACACCCGCCGTCACACCATGGGAGTTGGCTTTACCCGAA
GGCGCTGCGCTAACTCGCAAGAGAGGCAGGCGAC-3'
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Supplementary Data

Top 5 BLASTn Hits

	Query coverage	E	ID	Accession number
Caulobacter sp. strain NS11A2 16S rRNA gene	93%	0.0	98%	MH899441.1
Caulobacter sp. strain NS11A1 16S rRNA gene	93%	0.0	98%	MH899440.1
C. vibrioides strain ICMP 22274 16S rRNA gene	93%	0.0	97%	MH392697.1
Caulobacter sp. strain ICMP 22305 16S rRNA gene	93%	0.0	97%	MH392643.1
Caulobacter sp. strain ICMP 22304 16S rRNA gene	93%	0.0	97%	MH392642.1