

Supplementary Figure 1: Comparison of Cyanobacterial and non-T4-like phages against class II RNR motif.

Class II RNR MOTIF	T/S	N	P	C	G/S	E	X	C	N/L	L							
Thermosynechococcus	L	.	.	.	G	.	I	I	-	G	A	D	F	H	.	N	.
ProMED4	L	.	.	.	G	.	I	L	-	G	N	D	F	H	.	N	.
ProMIT9313	L	.	.	.	G	.	I	L	-	G	A	D	F	H	.	N	.
ProSS120	L	.	.	.	G	.	I	L	-	G	A	D	F	H	.	N	.
SynWH8102	L	.	.	.	G	.	I	L	-	G	A	D	F	H	.	N	.
Cyanophage P60_nrdB	L	.	.	.	G	.	I	L	-	G	K	D	F	H	.	N	.
Mycobacteriophage D29	T	.	.	.	G	.	I	T	L	E	P	W	E	P	.	N	.
Roseophage SIO1	V	.	.	.	A	.	I	L	L	G	N	K	S	F	.	N	.
Cyanophage P-SSP7	S	.	V	.	L	.	V	Y	L	P	S	R	G	T	.	L	.
SS (GI:44265515)	G	.	V	.	L	.	V	Y	L	P	S	R	G	T	.	L	.
SS (GI:44494788)	G	.	V	.	L	.	V	Y	L	P	S	R	G	T	.	L	.
SS (GI:43424236)	?	?	?	.	L	.	V	Y	L	P	S	R	G	T	.	L	.