

Table S5 CDS associated with tRNA gene clusters shared among the phages

Genome/group (1)	Host phylum (1)	Genome/group (2)	Host phylum (2)	# shared genes	Gene product
Roseobacter phage DSS3P8	Proteobacteria	Stenotrophomonas phage vB SmAS-DLP 6	Proteobacteria	1	Ribonuclease H-like
		Klebsiella phage IME260	Proteobacteria	3	hypothetical (3)
Pectobacterium phage My1	Proteobacteria	G8	Proteobacteria	4	hypothetical (3)
		G14	Proteobacteria	1	Cell wall hydrolase
		G15	Proteobacteria	1	DUF4326 superfamily
		Klebsiella phage IME260	Proteobacteria	3	hypothetical (3)
G8	Proteobacteria	G5	Proteobacteria	1	hypothetical
		G17	Proteobacteria	1	hypothetical
Streptomyces phage Brock	Actinobacteria	G4	Actinobacteria	1	Permuted papain-like amidase enzyme (NLPC_P60)
Cronobacter phage S13	Proteobacteria	G1	Proteobacteria/Firmicutes	1	hypothetical
G5	Proteobacteria	G7	Proteobacteria	1	hypothetical
G6	Actinobacteria	G9	Actinobacteria	1	HNH endonuclease
G13	Proteobacteria	G5	Proteobacteria	1	hypothetical
		G21	Proteobacteria	1	hypothetical
		G23	Proteobacteria	4	hypothetical (4)
G14	Proteobacteria	Acinetobacter phage Acj9	Proteobacteria	1	hypothetical
		Acinetobacter phage 133	Proteobacteria	1	hypothetical
		G1	Proteobacteria/Firmicutes	1	hypothetical
G16	Proteobacteria	Pseudomonas phage VCM	Proteobacteria	1	hypothetical
		Pseudomonas phage phiPsa374	Proteobacteria	1	hypothetical
G20	Firmicutes	Enterococcus phage EFDG1	Firmicutes	1	PHA02414 superfamily
G21	Proteobacteria	G7	Proteobacteria	1	hypothetical
		G21	Proteobacteria	1	hypothetical
G23	Proteobacteria	Acinetobacter phage Acj9	Proteobacteria	1	hypothetical
		Acinetobacter phage 133	Proteobacteria	1	hypothetical