

Table S5. Annotation of the phage S13' genome.

ORF	Location		Orientation	Length		RBS ^a	MW (kDa)	Predicted ORF function
	Start	End		(nt)	(AA)			
1	437	559	+	123	40	ATGGTGATATAGCTATTCTT	4.6	
2	552	854	+	303	100	TATGGAGTGATAACA	11.6	
3	872	1108	+	237	78	TAGAAAGGAGTGATATAATA	9.3	
4	1132	1500	+	369	122	AGAGGAGAAATAAAA	14.4	Single stranded DNA binding protein
5	1550	1726	+	177	58	TTATGAGGTGCTTAA	7.2	
6	1728	2132	+	405	134	TTAAGGAGATATAAA	16.2	
7	2125	2295	+	171	56	TTTAGGAAAAGTGATTGACC	6.5	
8	2298	2780	+	483	160	TTATATGGAGGTCGTTAGCA	19.6	
9	2828	4075	+	1248	415	ACAAGGAGAAAAAAC	50.4	
10	4090	6375	+	2286	761	ATATAAAGGTGTGTAAGATT	90.3	DNA polymerase
11	6490	7929	-	1440	479	TTCTGAAAAGAGTGATAATA	52.3	Tail lysin
12	7904	8326	-	423	140	TTTAGACCAGGTGTATAAAA	16.2	Holin
13	8329	10092	-	1764	587	TTTATGGAGGTAAAA	68.4	Major tail protein
14	10149	11594	-	1446	481	TAAGAGGTGTGAACA	54.8	Minor tail protein
15	11657	12418	-	762	253	AAAGGATAATGTTTC	29.0	Endolysin
16	12425	14362	-	1938	645	TTTGGTAAAGGTGGAAAATT	74.5	Minor structural protein
17	14375	15130	-	756	251	TGATGAAAGTAGTGAATACA	29.2	Lower collar protein
18	15123	16106	-	984	327	ATAGAGGTGCTATAA	37.9	Upper collar protein
19	16121	17332	-	1212	403	TAGAGGAGGAATAATAAATC	46.1	Major capsid protein
20	17339	17521	-	183	60	AGGAGGAATTTAAAC	6.9	
21	17535	17897	-	363	120	TTTGGAGGTGTCAAA	13.8	

^a, Putative ribosome-binding site in red.