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ORF	Start	Stop	Strand	Mass kDa	pI	Functional assignment (related sequence)	% Identity
1	61	504	+	16.1	8.8	Terminase small subunit (ϕ E125)	23
2	568	2301	+	64.3	6.8	Terminase large subunit (ϕ P27, SfV, ϕ E125, D3)	55/53/51/40
3	2492	3751	+	47	8.5	Portal protein (ϕ E125, ϕ P27, HK022)	49/35/29
4	3906	4817	+	33	4.9	Capsid assembly protein (ϕ E125)	43
5	5068	6168	+	38.7	5.1	Major capsid protein (ϕ E125)	48
6	6574	6158	-	14.1	4.1		
7	6234	6800	+	19.7	4.4		
8	6778	7110	+	12.5	4.1	Unknown (SfV ORF 6 product)	30
9	7110	7463	+	13.1	9.2		
10	7402	7824	+	16.2	5.5		
11	7830	8237	+	14.9	9.8	Unknown (D3 ORF 14 product, HK97 gp10)	29/27
12	8280	8732	+	15.8	4.4		
13	8708	8992	+	9.6	4.7	Major tail subunit (HK97)	35
14	9001	9372	+	13.3	6.3		
15	9605	12868	+	115.8	6.5	Tape measure protein (TP901-1)	26
16	12522	12749	+	8.9	9.3		
17	12872	13468	+	22.1	9.3		
18	13468	14052	+	21.2	5.8		
19	14113	14583	+	18	6.4		
20	14605	15006	+	14.5	7.2		
21	15036	14794	-	8.7	10.1		
22	14999	17542	+	92.9	4.7	Tail protein (λ host specificity protein)	27
23	17269	16949	-	12	9.6		
24	17553	18575	+	36.4	8.8	Unknown (<i>Y. pestis</i> hypothetical phage protein)	32
25	18588	20660	+	71.1	4.6	Tail fiber protein (λ)	44
26	19402	19139	-	8.5	3.6		
27	20660	21067	+	15.1	4.0	Tail fiber assembly protein (APSE-1)	36
28	22316	21135	-	43.9	8.0	Partitioning (<i>Y. ent.</i> SpyB, N15 SopB)	56/54
29	23482	22313	-	43.4	5.3	Partitioning (<i>Y. ent.</i> SpyA, N15 SopA)	85/70
30	22418	22765	+	13.2	8.4		
31	23858	24022	+	6.1	11.1	Inhibitor of cell division (N15 Icd)	59
32	24604	26490	+	71.8	5.6	Protelomerase (N15)	40
33	26915	26544	-	14.3	4.6	Unknown (P22 Eaf protein)	55
34	27257	26928	-	12.9	8.8	Unknown (N15 gp33)	45
35	27615	27304	-	12.2	5.1	Unknown (N15 gp35)	35
36	31623	27631	-	148.8	7.8	DNA Replication (N15 RepA)	49
37	29846	30091	+	9.1	12.2		
38	31862	32131	+	10.6	8.4		
39	32524	31877	-	24.1	8.2	Prophage repressor (N15 CB)	35
40	32319	32564	+	8.9	11.7		
41	32629	32832	+	7.9	10.1	Cro Repressor (N15)	31
42	32747	33451	+	26.2	6.7	Unknown (<i>X. fastidiosa</i> hypothetical protein)	29
43	33452	34165	+	26.6	9.4	Antiterminator Q (N15)	31
44	34077	34427	+	13.3	9.1	Unknown (N 15 QD1)	52
45	34430	34672	+	9.0	10.1		
46	34654	35631	+	36.2	4.9	Unknown (<i>P. multocida</i> Recombination associated protein)	26
47	35634	35834	+	7.6	9.9	Unknown (N15 QD1)	35
48	35883	36410	+	19.5	4.4	Unknown (CP-933O gene Z2097 product)	43
49	36407	36706	+	10.9	3.9		
50	36571	37038	+	17.6	10.3	Unknown (HK022 hypothetical protein)	50
51	37042	37614	+	20.7	4.8	Exonuclease (CP-933O, CP-933P)	53/52
52	37538	37978	+	16.6	5.5	Unknown (N15 gp41)	40

53	37972	38382	+	15.7	9.6	Unknown (CP-933V gene Z3348 product)	46
54	38366	38596	+	8.4	10.5	Unknown (N15 gp47)	47
55	38596	39228	+	23.8	5.9	DNA adenine-methylase (SfV)	31
56	39315	39551	+	8.8	5.1	Unknown (<i>S. sonnei</i> ImpC)	42
57	39601	39864	+	10.1	5.5	Antirepressor (N15 AntA)	35
58	40325	39891	-	15.7	5.0	Unknown (<i>Y. pestis</i> hypothetical protein)	48
59	40722	40955	+	9.1	4.8	Unknown (N15 gp51)	28
60	41231	42304	+	40.9	6.1	DNA adenine-methylase (SfV, CP-933O, φP27)	60/60/58
61	42687	42953	+	9.9	6.5		
62	42953	43486	+	19.5	9.4	Lysin (<i>S. dysenteriae</i> , 933W)	67/64
63	43479	44000	+	18.6	8.2		
64	44029	44355	+	11.9	6.3	Unknown (N15 gp57)	60
65	44442	44837	+	14.3	4.9		
66	45025	45387	+	13.8	10.0	Unknown (SfV ORF 53 product)	59
67	45456	45830	+	13.9	7.0	Unknown (D29 gp 64)	51