

Supplementary Table 1

Microarray results of putative bacteriophage-region ORFs. Start and end basepair numberings refer to those of strain Hildenborough. Those ORFs with DePue/Hilensborough signal ratios greater than 0.90 are highlighted in bold. Those ORFs with a ratio great than 0.5 are considered present in strain DePue.

Location	ORF ID	NCBI ID	BP (Start)	BP (End)	Length (bp)	Strand	Functional Annotation (TIGR)	DePue/DvH
R1	ORF04958	DVU0189	233,752	235,437	1,685	+	phage/plasmid primase, P4 family	0.13
R1	ORF04960	DVU0190	235,434	235,646	212	-	hypothetical protein	0.11
R1	ORF04961	DVU0191	235,704	237,263	1,559	+	conserved hypothetical protein	0.06
R1	ORF04963	DVU0192	237,390	238,748	1,358	+	adenine specific DNA methyltransferase, putative	0.05
R1	ORF04964	DVU0193	238,741	239,472	731	+	hypothetical protein	0.30
R1	ORF04966	DVU0194	239,489	241,447	1,958	+	terminase, large subunit, putative	0.17
R1	ORF04967	DVU0195	241,444	241,662	218	+	hypothetical protein	0.19
R1	ORF04968	DVU0196	242,191	242,586	395	+	hypothetical protein	0.19
R1	ORF04969	DVU0197	242,590	244,290	1,700	+	phage portal protein, lambda family	0.08
R1	ORF04971	DVU0198	244,274	245,593	1,319	+	minor capsid protein C	0.10
R1	ORF04973	DVU0199	245,603	245,986	383	+	conserved hypothetical protein	0.09
R1	ORF04974	DVU0200	245,998	247,002	1,004	+	major head protein	0.11
R1	ORF04975	DVU0201	247,011	247,331	320	+	hypothetical protein	0.26
R1	ORF04976	DVU0202	247,334	247,822	488	+	holin	0.12
R1	ORF04977	DVU0203	247,843	248,391	548	+	conserved hypothetical protein	0.24
R1	ORF04979	DVU0204	248,409	248,819	410	+	lipoprotein, putative	0.04
R1	ORF04981	DVU0205	248,812	248,979	167	+	hypothetical protein	0.14
R1	ORF04982	DVU0206	248,982	249,575	593	+	hypothetical protein	0.06
R1	ORF04983	DVU0207	249,572	249,898	326	+	hypothetical protein	0.19
R1	ORF04984	DVU0208	249,895	250,452	557	+	hypothetical protein	0.15
R1	ORF04985	DVU0209	250,436	250,627	191	+	conserved hypothetical protein	0.08
R1	ORF04987	DVU0210	250,631	252,094	1,463	+	tail sheath protein, putative	0.11
R1	ORF04988	DVU0211	252,144	252,509	365	+	tail tube protein, putative	0.11
R1	ORF04991	DVU0212	252,509	252,769	260	+	conserved hypothetical protein	0.15
R1	ORF04994	DVU0213	252,969	254,459	1,490	+	conserved domain protein	0.47
R1	ORF04996	DVU0214	254,468	255,667	1,199	+	tail/DNA circulation protein, putative	0.13
R1	ORF04997	DVU0215	255,790	256,923	1,133	+	tail protein, putative	0.25
R1	ORF04999	DVU0216	256,925	257,563	638	+	phage baseplate assembly protein V, putative	0.20
R1	ORF05000	DVU0217	257,565	258,041	476	+	tail protein, putative	0.09
R1	ORF05002	DVU0218	258,050	259,111	1,061	+	tail protein, putative	0.13
R1	ORF05003	DVU0219	259,120	259,746	626	+	tail protein, putative	0.06
R1	ORF05004	DVU0220	259,739	260,755	1,016	+	tail protein, putative	0.69
R1	ORF05006	DVU0221	260,765	261,208	443	+	tail fiber protein, putative	0.98
R1	ORF05008	DVU0222	261,220	261,549	329	+	tail fiber assembly protein, putative	0.53
R1	ORF05010	DVU0223	261,649	261,831	182	+	conserved domain protein	0.13
R1	ORF05011	DVU0224	261,875	262,270	395	+	conserved domain protein	0.15

R1	ORF05012	DVU0225	262,334	262,510	176	+	hypothetical protein	0.11
R1	ORF05014	DVU0226	262,657	263,796	1,139	-	hypothetical protein	0.10
R1	ORF05016	DVU0227	263,799	264,329	530	-	conserved hypothetical protein	0.12
R1	ORF05017	DVU0228	264,667	264,765	98	+	hypothetical protein	0.22
R1	ORF05021	DVU0230	265,802	266,266	464	+	transcriptional regulator cII, putative	0.13
R1	ORF05022	DVU0231	266,347	266,571	224	+	hypothetical protein	0.14
R1	ORF05023	DVU0232	266,564	266,812	248	+	hypothetical protein	0.35
R1	ORF05025	DVU0233	266,937	267,239	302	-	hypothetical protein	0.14
R1	ORF05027	DVU0234	267,982	268,305	323	+	hypothetical protein	0.34
R1	ORF05028	DVU0235	268,308	268,871	563	+	hypothetical protein	0.32
R1	ORF05031	DVU0236	269,283	270,425	1,142	-	site-specific recombinase, phage integrase family	0.41
R2	ORF00763	DVU1098	1,204,238	1,204,981	743	-	adenine specific DNA methyltransferase, putative	0.20
R2	ORF00765	DVU1099	1,205,411	1,205,857	446	-	tail fiber assembly protein, putative	0.38
R2	ORF00766	DVU1101	1,207,390	1,208,046	656	-	tail fiber protein, putative	0.29
R2	ORF00774	DVU1103	1,209,360	1,209,794	434	-	baseplate assembly protein, putative	0.15
R2	ORF00777	DVU1104	1,209,791	1,210,522	731	-	baseplate assembly protein, putative	0.13
R2	ORF00778	DVU1105	1,210,509	1,211,309	800	-	hypothetical protein	0.12
R2	ORF00779	DVU1106	1,211,455	1,212,066	611	-	hypothetical protein	0.18
R2	ORF00781	DVU1107	1,212,003	1,214,345	2,342	-	tail tape measure protein, FRAMESHIFT	0.15
R2	ORF00784	DVU1108	1,214,546	1,214,878	332	-	hypothetical protein	0.13
R2	ORF00786	DVU1109	1,215,111	1,216,133	1,022	+	ATPase domain protein	0.35
R2	ORF00788	DVU1110	1,216,193	1,216,639	446	-	hypothetical protein	0.14
R2	ORF00790	DVU1111	1,216,652	1,218,337	1,685	-	hypothetical protein	0.16
R2	ORF00794	DVU1113	1,218,729	1,219,265	536	-	hypothetical protein	0.21
R2	ORF00795	DVU1114	1,219,280	1,219,720	440	-	virion morphogenesis protein	0.23
R2	ORF00796	DVU1115	1,219,720	1,220,151	431	-	conserved hypothetical protein	0.15
R2	ORF00797	DVU1116	1,220,432	1,221,427	995	-	hypothetical protein	0.12
R2	ORF00798	DVU1117	1,221,436	1,221,783	347	-	hypothetical protein	0.16
R2	ORF00800	DVU1118	1,221,799	1,222,749	950	-	conserved hypothetical protein	0.17
R2	ORF00801	DVU1119	1,222,939	1,224,240	1,301	-	virion morphogenesis protein	1.14
R2	ORF00802	DVU1120	1,224,240	1,225,832	1,592	-	conserved hypothetical protein	0.09
R2	ORF00803	DVU1121	1,225,917	1,226,537	620	-	hypothetical protein	0.26
R2	ORF00805	DVU1122	1,226,597	1,228,081	1,484	-	portal protein, putative	0.33
R2	ORF00807	DVU1123	1,228,132	1,228,701	569	-	conserved domain protein	0.10
R2	ORF00810	DVU1125	1,228,979	1,229,452	473	-	hypothetical protein	0.12
R2	ORF00811	DVU1124	1,228,740	1,228,982	242	-	hypothetical protein	0.46
R2	ORF00812	DVU1126	1,229,449	1,229,754	305	-	lipoprotein, putative	0.24
R2	ORF00815	DVU1128	1,230,114	1,230,779	665	-	lysozyme, putative	0.11
R2	ORF00816	DVU1129	1,230,779	1,231,147	368	-	conserved hypothetical protein	0.10
R2	ORF00817	DVU1130	1,231,221	1,231,685	464	-	DNA-binding domain protein	0.09
R2	ORF00818	DVU1131	1,231,669	1,232,034	365	-	hypothetical protein	0.08

R2	ORF00819	DVU1132	1,232,031	1,232,540	509	-	conserved hypothetical protein	0.18
R2	ORF00820	DVU1133	1,232,504	1,232,962	458	-	hypothetical protein	0.25
R2	ORF00822	DVU1134	1,233,044	1,233,331	287	-	DNA-binding protein HU, beta subunit (hupB)	0.14
R2	ORF00823	DVU1135	1,233,345	1,233,584	239	-	conserved hypothetical protein	0.10
R2	ORF00824	DVU1136	1,233,602	1,234,114	512	-	host-nuclease inhibitor protein Gam, putative	0.12
R2	ORF00826	DVU1137	1,234,116	1,234,304	188	-	hypothetical protein	0.12
R2	ORF00827	DVU1138	1,234,307	1,234,939	632	-	hypothetical protein	0.11
R2	ORF00829	DVU1139	1,234,932	1,235,669	737	-	bacteriophage DNA transposition B protein,putative	0.09
R2	ORF00830	DVU1140	1,235,666	1,237,819	2,153	-	bacteriophage transposase A protein, putative	0.11
R2	ORF00832	DVU1141	1,238,043	1,238,474	431	-	hypothetical protein	0.08
R2	ORF00833	DVU1142	1,238,531	1,238,800	269	-	transcriptional regulator, putative	0.14
R2	ORF00836	DVU1143	1,238,797	1,239,222	425	-	hypothetical protein	0.11
R2	ORF00837	DVU1144	1,239,484	1,240,251	767	+	transcriptional regulator, Cro/CI family	0.28
R3	ORF01376	DVU1476	1,556,492	1,556,701	209	-	hypothetical protein	0.18
R3	ORF01386	DVU1479	1,558,664	1,559,671	1,007	+	conserved hypothetical protein	0.21
R3	ORF01388	DVU1480	1,559,712	1,560,071	359	+	conserved domain protein	0.19
R3	ORF01389	DVU1481	1,560,130	1,560,939	809	-	nuclease domain protein	0.22
R3	ORF01392	DVU1483	1,561,263	1,561,772	509	-	tail fiber assembly protein, putative	0.28
R3	ORF01393	DVU1484	1,561,765	1,562,103	338	-	hypothetical protein	0.48
R3	ORF01398	DVU1488	1,565,890	1,566,795	905	-	minor tail protein, putative	0.18
R3	ORF01399	DVU1489	1,566,799	1,567,149	350	-	hypothetical protein	0.13
R3	ORF01401	DVU1490	1,567,152	1,569,950	2,798	-	tail tape measure protein, putative	0.20
R3	ORF01402	DVU1491	1,570,123	1,570,305	182	+	conserved hypothetical protein	0.17
R3	ORF01404						hypothetical protein	0.11
R3	ORF01406	DVU1494	1,571,570	1,572,733	1,163	-	hypothetical protein	0.11
R3	ORF01410	DVU1498	1,573,950	1,574,507	557	-	conserved hypothetical protein	0.11
R3	ORF01411	DVU1499	1,574,511	1,574,780	269	-	hypothetical protein	0.20
R3	ORF01412	DVU1500	1,574,826	1,576,022	1,196	-	major capsid protein, HK97 family	0.10
R3	ORF01415	DVU1501	1,576,227	1,576,961	734	-	ClpP protease family protein	0.17
R3	ORF01416	DVU1502	1,576,954	1,578,213	1,259	-	portal protein, HK97 family	0.16
R3	ORF01417	DVU1503	1,578,213	1,579,910	1,697	-	terminase, large subunit	0.13
R3	ORF01420	DVU1504	1,579,915	1,580,382	467	-	terminase, small subunit	0.09
R3	ORF01421	DVU1505	1,580,466	1,580,864	398	-	holin, putative	0.10
R3	ORF01422	DVU1506	1,580,884	1,581,132	248	-	hypothetical protein	0.21
R3	ORF01423	DVU1507	1,581,129	1,581,479	350	-	hypothetical protein	0.20
R3	ORF01424	DVU1508	1,581,479	1,581,886	407	-	conserved hypothetical protein, FRAMESHIFT	0.09
R3	ORF01426	DVU1509	1,582,050	1,582,439	389	-	conserved hypothetical protein	0.12
R3	ORF01431	DVU1512	1,583,337	1,583,597	260	-	hypothetical protein	0.15
R3	ORF01432	DVU1513	1,583,584	1,584,078	494	-	conserved domain protein	0.21
R3	ORF01434	DVU1514	1,584,247	1,585,464	1,217	-	hypothetical protein	0.16
R3	ORF01436	DVU1515	1,585,461	1,586,924	1,463	-	type II DNA modification methyltransferase, putative	0.14

R3	ORF01437	DVU1516	1,587,127	1,587,486	359	-	hypothetical protein	0.14
R3	ORF01438	DVU1517	1,587,483	1,587,896	413	-	transcriptional regulator cII, putative	0.15
R3	ORF01439	DVU1518	1,588,107	1,588,397	290	-	transcriptional regulator cI, truncation	0.37
R3	ORF01445	DVU1520	1,589,165	1,590,151	986	+	hypothetical protein	0.31
R3	ORF01447	DVU1521	1,590,141	1,590,320	179	+	hypothetical protein	0.37
R3	ORF01448	DVU1522	1,590,750	1,591,145	395	+	hypothetical protein	0.25
R3	ORF01449	DVU1523	1,591,191	1,592,219	1,028	+	hypothetical protein	0.38
R3	ORF01450	DVU1524	1,592,222	1,593,118	896	+	conserved hypothetical protein	0.10
R3	ORF01452	DVU1525	1,593,138	1,594,130	992	+	conserved domain protein	0.27
R3	ORF01454	DVU1526	1,594,494	1,594,712	218	-	site-specific recombinase, phage integrase family	0.23
R4	ORF01747	DVU1694	1,770,879	1,771,088	209	-	C4-type zinc finger protein, DksA/TraR family	0.09
R4	ORF01748	DVU1695	1,771,104	1,771,613	509	-	tail fiber assembly protein, putative	0.49
R4	ORF01750	DVU1696	1,771,606	1,771,974	368	-	hypothetical protein	0.10
R4	ORF01751	DVU1697	1,771,977	1,772,555	578	-	hypothetical protein	0.59
R4	ORF01754	DVU1698	1,773,086	1,773,571	485	-	hypothetical protein	0.11
R4	ORF01758	DVU1699	1,773,938	1,774,057	119	+	hypothetical protein	0.19
R4	ORF01759	DVU1700	1,774,325	1,775,572	1,247	+	metallo-beta-lactamase superfamily domain protein	0.31
R4	ORF01762	DVU1701	1,775,767	1,776,084	317	-	hypothetical protein	0.21
R4	ORF01764	DVU1702	1,776,998	1,777,741	743	-	conserved hypothetical protein	0.27
R4	ORF01766	DVU1703	1,777,728	1,781,027	3,299	-	type I restriction-modification enzyme, R subunit	0.18
R4	ORF01769	DVU1706	1,782,524	1,782,634	110	-	hypothetical protein	0.58
R4	ORF01770	DVU1705	1,781,460	1,782,479	1,019	-	type I restriction-modification enzyme, S subunit	0.23
R4	ORF01772	DVU1707	1,782,760	1,782,969	209	-	hypothetical protein	0.42
R4	ORF01773	DVU1708	1,782,972	1,783,985	1,013	-	conserved hypothetical protein	0.15
R4	ORF01775	DVU1709	1,783,998	1,785,508	1,510	-	type I restriction-modification system, M subunit (hsdM)	0.13
R4	ORF01777	DVU1710	1,785,521	1,786,099	578	-	conserved hypothetical protein	0.52
R4	ORF01780	DVU1711	1,786,512	1,786,649	137	-	hypothetical protein	0.48
R4	ORF01782	DVU1712	1,786,746	1,788,347	1,601	-	hypothetical protein	0.28
R4	ORF01783	DVU1713	1,788,317	1,788,952	635	-	hypothetical protein	0.12
R4	ORF01785	DVU1714	1,788,961	1,791,054	2,093	-	conserved hypothetical protein	0.29
R4	ORF01786	DVU1715	1,791,227	1,791,814	587	-	hypothetical protein	0.29
R4	ORF01788	DVU1716	1,791,856	1,792,200	344	-	hypothetical protein	0.19
R4	ORF01789	DVU1717	1,792,212	1,792,613	401	-	hypothetical protein	0.10
R4	ORF01790	DVU1718	1,792,670	1,793,602	932	-	hypothetical protein	0.10
R4	ORF01792	DVU1719	1,793,607	1,794,446	839	-	conserved hypothetical protein	0.24
R4	ORF01793	DVU1720	1,794,443	1,794,775	332	-	hypothetical protein	0.08
R4	ORF01797	DVU1721	1,794,775	1,796,427	1,652	-	hypothetical protein	0.13
R4	ORF01798	DVU1722	1,796,428	1,796,781	353	-	hypothetical protein	0.38
R4	ORF01799	DVU1723	1,796,778	1,797,332	554	-	hypothetical protein	0.12
R4	ORF01800	DVU1724	1,797,329	1,798,933	1,604	-	phage uncharacterized protein, putative	0.15
R4	ORF01801	DVU1725	1,798,920	1,799,528	608	-	conserved hypothetical protein	0.21

R4	ORF01802	DVU1727	1,799,909	1,800,259	350	-	hypothetical protein	0.45
R4	ORF01803	DVU1726	1,799,664	1,799,912	248	-	hypothetical protein	0.15
R4	ORF01804	DVU1728	1,800,259	1,800,675	416	-	conserved hypothetical protein	0.15
R4	ORF01805	DVU1729	1,800,946	1,801,224	278	+	killer protein, putative	0.81
R4	ORF01806	DVU1730	1,801,234	1,801,539	305	+	helix-turn-helix domain protein	0.20
R4	ORF01808	DVU1731	1,801,647	1,801,817	170	-	hypothetical protein	0.21
R4	ORF01809	DVU1732	1,801,863	1,802,090	227	-	hypothetical protein	0.20
R4	ORF01810	DVU1733	1,803,107	1,803,328	221	-	hypothetical protein	0.94
R4	ORF01812	DVU1734	1,804,805	1,804,981	176	-	hypothetical protein	0.15
R4	ORF01814	DVU1735	1,805,962	1,806,105	143	+	hypothetical protein	0.56
R4	ORF01815	DVU1736	1,806,089	1,806,283	194	+	hypothetical protein	0.13
R4	ORF01816	DVU1737	1,806,390	1,806,608	218	-	conserved hypothetical protein	0.28
R4	ORF01818	DVU1738	1,806,786	1,807,430	644	-	site-specific recombinase, phage integrase family	0.16
R4	ORF01819	DVU1739	1,808,056	1,808,148	92	-	hypothetical protein	0.42
R4	ORF01821	DVU1740	1,808,578	1,808,979	401	-	hypothetical protein	0.17
R4	ORF01822	DVU1741	1,808,976	1,809,947	971	-	hypothetical protein	0.19
R4	ORF01823	DVU1742	1,810,417	1,810,656	239	+	prevent-host-death family protein	0.28
R4	ORF01824	DVU1743	1,810,662	1,811,099	437	-	hypothetical protein	0.17
R4	ORF01825	DVU1744	1,811,183	1,811,425	242	-	helix-turn-helix domain protein	0.11
R4	ORF01827	DVU1745	1,811,492	1,812,031	539	+	helix-turn-helix domain protein	0.45
R4	ORF01830	DVU1746	1,812,266	1,813,375	1,109	+	C-5 cytosine-specific DNA methylase family protein	0.17
R4	ORF01831	DVU1747	1,813,416	1,816,361	2,945	+	ATPase, histidine kinase-, DNA gyrase B- and HSP90-like do	0.27
R4	ORF01834	DVU1748	1,816,342	1,818,114	1,772	+	hypothetical protein	1.09
R4	ORF01837	DVU1749	1,818,096	1,818,317	221	-	hypothetical protein	0.50
R4	ORF01838	DVU1750	1,818,336	1,819,118	782	+	hypothetical protein	0.26
R4	ORF01840	DVU1751	1,819,311	1,819,457	146	+	hypothetical protein	1.40
R4	ORF01843	DVU1752	1,819,838	1,820,077	239	+	hypothetical protein	0.33
R4	ORF01844	DVU1753	1,820,161	1,820,334	173	+	hypothetical protein	0.20
R4	ORF01845	DVU1754	1,820,331	1,820,738	407	+	hypothetical protein	0.30
R4	ORF01846	DVU1755	1,820,735	1,820,977	242	+	hypothetical protein	0.21
R4	ORF01848	DVU1756	1,821,372	1,821,635	263	+	hypothetical protein	0.20
R5	ORF03437	DVU2688	2,801,478	2,803,520	2,042	+	bacteriophage transposase A protein	0.15
R5	ORF03438	DVU2689	2,803,529	2,804,314	785	+	bacteriophage DNA transpositon B protein	0.29
R5	ORF03439	DVU2690	2,804,317	2,804,904	587	+	hypothetical protein	0.14
R5	ORF03441	DVU2691	2,805,178	2,805,711	533	+	hypothetical protein	0.39
R5	ORF03442	DVU2692	2,805,721	2,805,957	236	+	conserved domain protein	0.11
R5	ORF03444	DVU2693	2,806,043	2,806,282	239	+	hypothetical protein	0.42
R5	ORF03445	DVU2694	2,806,364	2,806,798	434	+	hypothetical protein	0.20
R5	ORF03447	DVU2695	2,806,807	2,807,223	416	+	conserved hypothetical protein	0.26
R5	ORF03448	DVU2696	2,807,220	2,807,708	488	+	conserved domain protein	0.08
R5	ORF03449	DVU2697	2,807,721	2,808,059	338	+	hypothetical protein	0.53

R5	ORF03450	DVU2698	2,808,172	2,808,534	362	+	lipoprotein, putative	0.16
R5	ORF03451	DVU2699	2,808,534	2,809,181	647	+	transglycosylases SLT domain protein	0.26
R5	ORF03452	DVU2700	2,809,174	2,809,593	419	+	hypothetical protein	0.41
R5	ORF03453	DVU2701	2,809,622	2,809,840	218	+	hypothetical protein	0.10
R5	ORF03454	DVU2702	2,809,844	2,810,125	281	+	conserved hypothetical protein	0.19
R5	ORF03455	DVU2703	2,810,112	2,810,327	215	+	hypothetical protein	0.20
R5	ORF03456	DVU2704	2,810,329	2,810,847	518	+	conserved hypothetical protein	0.16
R5	ORF03457	DVU2705	2,810,844	2,812,520	1,676	+	phage uncharacterized protein	0.36
R5	ORF03458	DVU2706	2,812,507	2,814,225	1,718	+	conserved hypothetical protein	0.18
R5	ORF03460	DVU2707	2,814,228	2,815,478	1,250	+	virion morphogenesis protein	0.29
R5	ORF03462	DVU2708	2,815,643	2,816,131	488	+	virion morphogenesis protein	0.45
R5	ORF03463	DVU2709	2,816,162	2,816,320	158	+	hypothetical protein	0.19
R5	ORF03466	DVU2710	2,816,859	2,818,019	1,160	+	conserved hypothetical protein	0.16
R5	ORF03469	DVU2711	2,818,020	2,818,949	929	+	major head subunit, putative	0.11
R5	ORF03470	DVU2712	2,818,961	2,819,290	329	+	virion morphogenesis protein	0.35
R5	ORF03471	DVU2713	2,819,290	2,819,721	431	+	conserved hypothetical protein	0.18
R5	ORF03473	DVU2714	2,819,718	2,820,347	629	+	conserved hypothetical protein	0.16
R5	ORF03474	DVU2715	2,820,350	2,820,535	185	+	conserved hypothetical protein	0.09
R5	ORF03475	DVU2716	2,820,522	2,821,943	1,421	+	tail sheath protein, putative	0.19
R5	ORF03476	DVU2717	2,822,022	2,822,849	827	+	virion morphogenesis protein	
R5	ORF03478	DVU2718	2,822,842	2,822,994	152	+	virion morphogenesis protein	0.19
R5	ORF03480	DVU2719	2,822,985	2,823,359	374	+	conserved hypothetical protein	0.37
R5	ORF03483	DVU2720	2,823,557	2,823,886	329	+	virion morphogenesis protein	0.17
R5	ORF03486	DVU2721	2,824,045	2,825,985	1,940	+	phage tail tape measure protein, TP901 family, putative	0.14
R5	ORF03488	DVU2722	2,826,005	2,827,345	1,340	+	conserved hypothetical protein	0.18
R5	ORF03490	DVU2723	2,827,365	2,828,489	1,124	+	tail protein, putative	0.21
R5	ORF03492	DVU2724	2,828,486	2,829,112	626	+	phage baseplate assembly protein V, putative	0.32
R5	ORF03494	DVU2725	2,829,051	2,829,401	350	-	membrane protein, putative	0.17
R5	ORF03496	DVU2726	2,829,475	2,829,594	119	+	virion morphogenesis protein	0.20
R5	ORF03497	DVU2727	2,829,573	2,829,929	356	+	conserved hypothetical protein	0.26
R5	ORF03499	DVU2728	2,829,939	2,831,000	1,061	+	tail protein, putative	0.16
R5	ORF03501	DVU2729	2,830,997	2,831,590	593	+	tail protein, putative	0.58
R5	ORF03503	DVU2730	2,831,674	2,832,564	890	+	tail fiber protein, putative	0.27
R5	ORF03504	DVU2731	2,832,574	2,833,113	539	+	tail fiber assembly protein, putative	0.32
R5	ORF03506	DVU2732	2,833,414	2,833,614	200	+	conserved hypothetical protein	0.19
R5	ORF03507	DVU2733	2,833,587	2,834,336	749	+	adenine specific DNA methyltransferase, putative	0.12
R6	ORF03668	DVU2828	2,936,472	2,937,656	1,184	+	site-specific recombinase, phage integrase family	0.14
R6	ORF03670	DVU2829	2,937,658	2,937,900	242	-	hypothetical protein	0.19
R6	ORF03671	DVU2830	2,937,965	2,938,330	365	-	hypothetical protein	0.30
R6	ORF03674	DVU2831	2,938,713	2,938,907	194	-	hypothetical protein	0.10
R6	ORF03675	DVU2832	2,938,894	2,939,355	461	-	transcriptional regulator cII, putative	0.10

R6	ORF03676	DVU2833	2,939,513	2,939,842	329	+	hypothetical protein	0.20
R6	ORF03677	DVU2834	2,939,832	2,940,170	338	-	hypothetical protein	0.27
R6	ORF03679	DVU2835	2,940,240	2940512.00	272	-	transcriptional regulator, putative	0.17
R6	ORF03680	DVU2836	2,940,609	2941055.00	446	+	hypothetical protein	0.22
R6	ORF03682	DVU2837	2,941,168	2,942,241	1,073	+	conserved hypothetical protein	0.17
R6	ORF03685	DVU2838	2,942,313	2,943,650	1,337	+	conserved hypothetical protein	0.31
R6	ORF03687	DVU2839	2,943,651	2,944,175	524	+	conserved hypothetical protein	0.13
R6	ORF03689	DVU2840	2,944,284	2,944,985	701	-	conserved hypothetical protein	0.27
R6	ORF03692	DVU2841	2,944,985	2,946,184	1,199	-	type II restriction endonuclease, putative	0.26
R6	ORF03693	DVU2842	2,946,324	2,947,400	1,076	+	type II DNA modification methyltransferase, putative	0.16
R6	ORF03694	DVU2843	2,947,409	2,947,819	410	+	DNA mismatch endonuclease Vsr, putative	0.15
R6	ORF03695	DVU2844	2,947,836	2,948,699	863	+	hypothetical protein	0.16
R6	ORF03697	DVU2845	2,948,707	2,949,135	428	+	HIT family protein	0.14
R6	ORF03698	DVU2846	2,949,141	2,949,314	173	+	hypothetical protein	0.19
R6	ORF03700	DVU2847	2,949,441	2,949,770	329	-	hypothetical protein	0.91
R6	ORF03702	DVU2848	2,949,782	2,950,321	539	-	tail fiber assembly protein, putative	0.26
R6	ORF03703	DVU2849	2,950,331	2,951,146	815	-	tail fiber protein, putative	0.17
R6	ORF03704	DVU2850	2,951,139	2,951,765	626	-	tail protein, putative	0.09
R6	ORF03706	DVU2851	2,951,774	2,952,835	1,061	-	tail protein, putative	0.11
R6	ORF03708	DVU2852	2,952,844	2,953,320	476	-	tail protein, putative	0.36
R6	ORF03709	DVU2853	2,953,322	2,953,960	638	-	phage baseplate assembly protein V, putative	0.13
R6	ORF03711	DVU2854	2,953,962	2,955,095	1,133	-	tail protein, putative	0.13
R6	ORF03712	DVU2855	2,955,218	2,956,417	1,199	-	tail/DNA circulation protein, putative	0.27
R6	ORF03714	DVU2856	2,956,426	2,957,916	1,490	-	conserved domain protein	0.29
R6	ORF03717	DVU2857	2,958,116	2,958,376	260	-	tail tube protein, putative	0.08
R6	ORF03718	DVU2858	2,958,376	2,958,741	365	-	conserved hypothetical protein	0.15
R6	ORF03720	DVU2859	2,958,791	2,960,254	1,463	-	tail sheath protein, putative	0.10
R6	ORF03721	DVU2860	2,960,258	2,960,449	191	-	conserved hypothetical protein	0.12
R6	ORF03723	DVU2861	2,960,433	2,960,990	557	-	hypothetical protein	0.17
R6	ORF03724	DVU2862	2,960,987	2,961,313	326	-	hypothetical protein	0.12
R6	ORF03725	DVU2863	2,961,310	2,961,903	593	-	hypothetical protein	0.31
R6	ORF03726	DVU2864	2,961,906	2,962,049	143	-	hypothetical protein	0.15
R6	ORF03727	DVU2865	2,962,066	2,962,476	410	-	lipoprotein, putative	0.15
R6	ORF03730	DVU2866	2,962,494	2,963,042	548	-	conserved hypothetical protein	0.37
R6	ORF03731	DVU2867	2,963,063	2,963,551	488	-	holin	0.40
R6	ORF03732	DVU2868	2,963,554	2,963,901	347	-	hypothetical protein	0.19
R6	ORF03733	DVU2869	2,963,910	2,964,914	1,004	-	major head protein	0.09
R6	ORF03734	DVU2870	2,964,926	2,965,309	383	-	conserved hypothetical protein	0.07
R6	ORF03736	DVU2871	2,965,319	2,966,638	1,319	-	minor capsid protein C	0.36
R6	ORF03738	DVU2872	2,966,622	2,968,322	1,700	-	phage portal protein, lambda family	0.19
R6	ORF03739	DVU2873	2,968,326	2,968,601	275	-	hypothetical protein	0.11
R6	ORF03740	DVU2874	2,968,828	2,969,256	428	-	hypothetical protein	0.25

R6	ORF03741	DVU2875	2,969,249	2,969,467	218	-	DNA binding domain, excisionase family	0.30
R6	ORF03742	DVU2876	2,969,464	2,971,350	1,886	-	terminase, large subunit, putative	0.23
R6	ORF03744	DVU2877	2,971,442	2,972,164	722	-	hypothetical protein	0.26
R6	ORF03745	DVU2878	2,972,157	2,973,515	1,358	-	adenine specific DNA methyltransferase, putative	0.12
R6	ORF03747	DVU2879	2,973,642	2,975,198	1,556	-	conserved hypothetical protein	0.17
R6	ORF03748	DVU2880	2,975,256	2,975,384	128	+	hypothetical protein	0.15
R6	ORF03750	DVU2881	2,975,465	2,977,150	1,685	-	phage/plasmid primase, P4 family	0.14