

1 *Type of the Paper: Article*

2 **Isolation and characterization of a novel phage for controlling multidrug-resistant *Klebsiella pneumoniae***

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Additional Table S1. Genome feature of the vB_KleS-HSE3 phage

Gene accession	Direction	Nucleotide position		Length (bp)	Function	Best match	E-value	Similarity
		start	end					
<i>gp1</i>	+	247	618	372	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98213.1]	7.00E-30	43%
<i>gp2</i>	+	825	1565	741	DNA methylase	<i>Klebsiella</i> phage vB_Kp3[ALJ98156.1]	3.00E-171	91.08%
<i>gp3</i>	-	1737	3047	1311	hypothetical protein	No hits		
<i>gp4</i>	+	1785	2516	732	DNA methylase	<i>Klebsiella</i> phage vB_Kp3[ALJ98158.1]	8.00E-172	92.12%
<i>gp5</i>	+	3171	3806	636	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98162.1]	8.00E-70	49.14%
<i>gp6</i>	+	3716	4087	372	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98163.1]	2.00E-59	77.35%
<i>gp7</i>	+	4084	4584	501	endopeptidase	<i>Klebsiella</i> phage vB_Kp3[ALJ98164.1]	2.00E-70	80%
<i>gp8</i>	+	4581	5078	498	lysine	<i>Klebsiella</i> phage vB_Kp3[ALJ98165.1]	2.00E-110	93%
<i>gp9</i>	-	5337	6035	699	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98167.1]	4.00E-118	77%
<i>gp10</i>	-	6046	6282	237	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98168.1]	5.00E-34	71%
<i>gp11</i>	-	6279	6644	366	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98169.1]	5.00E-59	71.28%
<i>gp12</i>	-	6706	6927	222	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98170.1]	3.00E-42	88%
<i>gp13</i>	-	6924	7292	369	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98171.1]	4.00E-45	65.34%
<i>gp14</i>	+	7267	7605	339	hypothetical protein	No hits		
<i>gp15</i>	-	7598	8080	483	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98173.1]	6.00E-46	51.48%
<i>gp16</i>	-	8270	8608	339	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98175.1]	3.00E-64	81.60%
<i>gp17</i>	-	8730	9116	387	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98178.1]	3.00E-35	54.45%
<i>gp18</i>	-	9196	9414	219	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98179.1]	3.00E-38	83.33%
<i>gp19</i>	-	9425	11092	1668	DNA primase/helicase	<i>Klebsiella</i> phage vB_Kp3[ALJ98180.1]	0	86%
<i>gp20</i>	+	9701	10108	408	hypothetical protein	No hits		
<i>gp21</i>	+	10221	10628	408	hypothetical protein	No hits		
<i>gp22</i>	-	11501	11704	204	hypothetical protein	No hits		
<i>gp23</i>	+	11648	11974	327	terminase small subunit	<i>Klebsiella</i> phage vB_Kp3[ALJ98181.1]	1.00E-61	82%

gp24	+	12055	12345	291	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98182.1]	1.00E-04	28%
gp25	+	12523	12762	240	hypothetical protein	No hits		
gp26	-	12735	12968	234	hypothetical protein	No hits		
gp27	+	12967	14358	1392	terminase large subunit	<i>Klebsiella</i> phage vB_Kp3[ALJ98185.1]	0	93.12%
gp28	+	14318	15958	1641	portal protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98186.1]	0	82.72%
gp29	-	15071	15613	543	hypothetical protein	No hits		
gp30	+	15958	17076	1119	minor head protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98187.1]	0	90%
gp31	-	17087	17695	609	hypothetical protein	No hits		
gp32	+	17108	17806	699	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98188.1]	5.00E-136	86%
gp33	+	17899	19020	1122	major head protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98189.1]	0	90.21%
gp34	+	19067	19525	459	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98190.1]	4.00E-96	85.26%
gp35	+	19525	19908	384	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98191.1]	4.00E-77	87%
gp36	+	19908	20591	684	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98192.1]	1.00E-145	93%
gp37	+	20588	21040	453	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98193.1]	9.00E-97	89%
gp38	+	21105	21716	612	major tail protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98194.1]	8.00E-134	88%
gp39	+	21774	22163	390	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98195.1]	7.00E-72	79.20%
gp40	+	22473	25319	2847	tail length tape measure protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98197.1]	0.00E+00	93%
gp41	+	25231	25542	312	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98198.1]	2.00E-15	34.40%
gp42	-	25502	25756	255	hypothetical protein	No hits		
gp43	+	25714	26985	1272	minor tail protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98199.1]	0.00E+00	88%
gp44	-	26602	27111	510	hypothetical protein	No hits		
gp45	+	27443	28042	600	tail assembly protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98200.1]	6.00E-128	85%
gp46	+	28027	28626	600	tail assembly protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98201.1]	4.00E-133	94%
gp47	+	28626	32864	4239	tail fiber protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98202.1]	0.00E+00	89.10%
gp48	+	32770	33720	951	tail fiber protein	<i>Klebsiella pneumoniae</i> ATCC	1.00E-178	89.18%

gp49	+	33617	38041	4425	tail fiber protein	43816[CEL82033.1]	0	94.09%
						<i>Klebsiella pneumoniae</i> ATCC		
gp50	-	35359	35898	540	hypothetical protein	43816[CEL82033.1]	2.00E-05	23.40%
gp51	-	37544	38044	501	hypothetical protein	<i>Acinetobacter baumannii</i> [CVI03216.1]		
gp52	+	38079	38417	339	tail fiber protein	No hits		
gp53	+	38451	39716	1266	tail fiber protein	<i>Klebsiella pneumoniae</i> [WP_064149004.1]	3.00E-58	85.14%
gp54	-	39743	40015	273	tail fiber protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98203.1]	0	88%
gp55	-	40012	40221	210	hypothetical protein	<i>Escherichia coli</i> [WP_023062971.1]	3.00E-04	25.50%
gp56	-	40231	40710	480	helix-turn-helix	<i>Klebsiella</i> phage vB_Kp3[ALJ98204.1]	3.00E-27	64.99%
					transcriptional repressor			
gp57	-	40723	41412	690	single-stranded DNA-binding protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98205.1]	3.00E-77	78%
gp58	-	41469	42512	1044	recombinase	<i>Klebsiella</i> phage vB_Kp3[ALJ98206.1]	7.00E-152	90%
gp59	-	42512	42874	363	exonuclease	<i>Klebsiella</i> phage vB_Kp3[ALJ98207.1]	0.00E+00	91%
gp60	+	42939	43247	309	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98208.1]	2.00E-27	40.05%
gp61	+	43136	43591	456	hypothetical protein	No hits		
gp62	-	43348	45396	2049	hypothetical protein	No hits		
gp63	+	44590	45162	573	DNA helicase	<i>Klebsiella</i> phage vB_Kp3[ALJ98210.1]	0.00E+00	91%
gp64	-	45384	45791	408	hypothetical protein	No hits		
gp65	+	45471	46037	567	hypothetical protein	No hits		
gp66	+	46034	46621	588	hypothetical protein	<i>Klebsiella</i> phage vB_Kp3[ALJ98211.1]	6.00E-98	71.38%
gp67	-	46099	46695	597	DNA primase/helicase	<i>Klebsiella</i> phage vB_Kp3[ALJ98212.1]	3.00E-81	56.09%
					methyltransferas	<i>Klebsiella pneumoniae</i> ISC21[CDL50211.1]	6.00E-60	47.04%

Table S2. The core genes of the *Klebsiella* phage vB_KleS-HSE3, vB_Kp3, ATCEA85, and 48ST307

<i>Klebsiella</i> phage vB_KleS-HSE3	<i>Klebsiella</i> phage vB_Kp3	<i>Klebsiella</i> phage ATCEA85	<i>Klebsiella</i> phage 48ST307
<i>gp40</i>	ALJ98197.1	QGJ86737.1	AQN32343.1
<i>gp43</i>	ALJ98199.1	QGJ86735.1	AQN32344.1
<i>gp45</i>	ALJ98200.1	QGJ86780.1	AQN32345.1
<i>gp47</i>	ALJ98202.1	QGJ86778.1	AQN32337.1
<i>gp53</i>	ALJ98203.1	QGJ86775.1	AQN32349.1

Table S3. The core genes of the *Klebsiella* phage vB_KleS-HSE3, vB_Kp3, and ATCEA85

<i>Klebsiella</i> phage vB_KleS-HSE3	<i>Klebsiella</i> phage vB_Kp3	<i>Klebsiella</i> phage ATCEA85
<i>gp1</i>	ALJ98213.1	QGJ86766.1
<i>gp2</i>	ALJ98156.1	QGJ86765.1
<i>gp4</i>	ALJ98158.1	QGJ86764.1
<i>gp5</i>	ALJ98162.1	QGJ86763.1
<i>gp7</i>	ALJ98164.1	QGJ86762.1
<i>gp8</i>	ALJ98165.1	QGJ86761.1
<i>gp9</i>	ALJ98167.1	QGJ86760.1
<i>gp10</i>	ALJ98168.1	QGJ86755.1
<i>gp11</i>	ALJ98169.1	QGJ86759.1
<i>gp13</i>	ALJ98171.1	QGJ86758.1
<i>gp15</i>	ALJ98173.1	QGJ86756.1
<i>gp17</i>	ALJ98178.1	QGJ86754.1
<i>gp19</i>	ALJ98180.1	QGJ86753.1
<i>gp23</i>	ALJ98181.1	QGJ86751.1

<i>gp24</i>	ALJ98182.1	QGJ86750.1
<i>gp27</i>	ALJ98185.1	QGJ86748.1
<i>gp28</i>	ALJ98186.1	QGJ86747.1
<i>gp30</i>	ALJ98187.1	QGJ86746.1
<i>gp32</i>	ALJ98188.1	QGJ86745.1
<i>gp33</i>	ALJ98189.1	QGJ86744.1
<i>gp34</i>	ALJ98190.1	QGJ86743.1
<i>gp35</i>	ALJ98191.1	QGJ86742.1
<i>gp36</i>	ALJ98192.1	QGJ86741.1
<i>gp37</i>	ALJ98193.1	QGJ86740.1
<i>gp38</i>	ALJ98194.1	QGJ86739.1
<i>gp39</i>	ALJ98195.1	QGJ86738.1
<i>gp40</i>	ALJ98197.1	QGJ86737.1
<i>gp41</i>	ALJ98198.1	QGJ86736.1
<i>gp43</i>	ALJ98199.1	QGJ86735.1
<i>gp45</i>	ALJ98200.1	QGJ86780.1
<i>gp46</i>	ALJ98201.1	QGJ86779.1
<i>gp47</i>	ALJ98202.1	QGJ86778.1
<i>gp53</i>	ALJ98203.1	QGJ86775.1
<i>gp56</i>	ALJ98205.1	QGJ86774.1
<i>gp57</i>	ALJ98206.1	QGJ86773.1
<i>gp58</i>	ALJ98207.1	QGJ86772.1
<i>gp62</i>	ALJ98210.1	QGJ86768.1
<i>gp65</i>	ALJ98211.1	QGJ86769.1
<i>gp66</i>	ALJ98212.1	QGJ86770.1

Table S4. The genomic information of the *Klebsiella* phage used for the dot plotting analysis.

Genome	Host	Accession	Length	Location	Classification	Isolation source
<i>Klebsiella</i> phage Spivey	<i>K. pneumoniae</i>	MK630230.1	110,659 bp linear DNA	USA	Siphoviridae; Sugarlandvirus	wastewater treatment plant
<i>Klebsiella</i> phage Sugarland	<i>K. pneumoniae</i>	MG459987.2	111,103 bp linear DNA	USA	Siphoviridae; Sugarlandvirus	activated sludge from a wastewater treatment plant
<i>Klebsiella</i> phage vB_Kpn_IME260	<i>K. pneumoniae</i>	NC_041899.1	123,490 bp linear DNA	China	Siphoviridae; Sugarlandvirus	-
<i>Klebsiella</i> phage KpGranit	<i>K. pneumoniae</i>	MN163280.1	122,710 bp linear DNA	Israel	Siphoviridae; Sugarlandvirus	-
<i>Klebsiella</i> phage KPN4	<i>K. oxytoca</i>	MN101228.1	108,916 bp linear DNA	Australia	Siphoviridae; Sugarlandvirus	-
<i>Klebsiella</i> phage vB_KpnS_FZ41	<i>K. pneumoniae</i>	MK521907.1	106,104 bp linear DNA	Russia	Siphoviridae; Sugarlandvirus	sewage water
<i>Klebsiella</i> phage AmPh_EK80	<i>K. pneumoniae</i>	MN434094.1	112,215 bp circular DNA	Australia	Siphoviridae; Sugarlandvirus	wastewater
<i>Klebsiella</i> phage JIPh_Kp127	<i>K. pneumoniae</i>	MN434096.1	113,671 bp circular DNA	Australia	Siphoviridae; Sugarlandvirus	wastewater
<i>Klebsiella</i> phage phiKO2	<i>K. oxytoca</i>	NC_005857.1	51,601 bp linear DNA	USA	Siphoviridae	-
<i>Klebsiella</i> phage 48ST307	<i>K. pneumoniae</i>	KY271402.1	52,338 bp linear DNA	Italy	Siphoviridae	-
<i>Klebsiella</i> phage ST846-OXA48phi9.1	<i>K. pneumoniae</i>	MK416021.1	38,370 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage 020009	<i>K. pneumoniae</i>	CP038007.1	55,032 bp linear DNA	China	Siphoviridae	-
<i>Klebsiella</i> phage ATCEA85	<i>K. aerogenes</i>	MN656993.1	47484 bp circular DNA	Korea	Siphoviridae	-
<i>Klebsiella</i> phage vB_KleS-HSE3	<i>K. pneumoniae</i>	MT075871	46747 bp linear DNA	China	Siphoviridae	wastewater
<i>Klebsiella</i> phage vB_Kp3	<i>K. pneumoniae</i>	KT367887.1	48,493 bp linear DNA	Switzerland	Siphoviridae	wastewater plant
<i>Klebsiella</i> phage KPN N54	<i>K. pneumoniae</i>	MF415413.1	59,100 bp circular DNA	Korea	Siphoviridae	-
<i>Klebsiella</i> phage Seifer	<i>K. pneumoniae</i>	MH817999.1	58,197 bp linear DNA	USA	Siphoviridae	wastewater
<i>Klebsiella</i> phage YMC15/11/N53_KPN_BP	<i>K. pneumoniae</i>	MF476924.1	59,100 bp circular DNA	Korea	Siphoviridae	-
<i>Klebsiella</i> phage KPN U2874	<i>K. pneumoniae</i>	MF415411.1	59,087 bp circular DNA	Korea	Siphoviridae	-
<i>Klebsiella</i> phage KPN N137	<i>K. pneumoniae</i>	MF415410.1	59,100 bp circular DNA	Korea	Siphoviridae	-

<i>Klebsiella</i> phage KPN N98		<i>K. pneumoniae</i>	MG835858.1	59,214 bp linear DNA	Korea	Siphoviridae	-
<i>Klebsiella</i> phage Soft		<i>K. pneumoniae</i>	MN106244.1	57,805 bp linear DNA	USA	Siphoviridae	municipal wastewater
<i>Klebsiella</i> phage YMC16/01/N133_KPN_BP		<i>K. pneumoniae</i>	MF476925.1	58,387 bp linear DNA	Korea	Siphoviridae	-
<i>Klebsiella</i> phage ST899-OXA48phi17.2		<i>K. pneumoniae</i>	MK433583.1	17,998 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST101-KPC2phi6.3		<i>K. pneumoniae</i>	MK416017.1	43,942 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST147-VIM1phi7.2		<i>K. pneumoniae</i>	MK448232.1	34,200 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage 1 LV-2017		<i>K. pneumoniae</i>	KY271401.1	29,880 bp linear DNA	Italy	Siphoviridae	-
<i>Klebsiella</i> phage ST13-OXA48phi12.2		<i>K. pneumoniae</i>	MK422452.1	34,141 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST13-OXA48phi12.4		<i>K. pneumoniae</i>	MK422450.1	59,049 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST974-OXA48phi18.2		<i>K. pneumoniae</i>	MK448237.1	51,967 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST846-OXA48phi9.2		<i>K. pneumoniae</i>	MK416022.1	57,402 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST16-OXA48phi5.1		<i>K. pneumoniae</i>	MK416013.1	57,025 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST405-OXA48phi1.3		<i>K. pneumoniae</i>	MK416008.1	32,010 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage 5 LV-2017		<i>K. pneumoniae</i>	KY271399.1	47,014 bp linear DNA	Italy	Siphoviridae	-
<i>Klebsiella</i> phage ST16-OXA48phi5.3		<i>K. pneumoniae</i>	MK416014.1	29,301 bp linear DNA	Spain	Siphoviridae	-

<i>Klebsiella</i> phage KPP5665-2	<i>K. pneumoniae</i>	MF695815.1	39,241 bp linear DNA	Germany	Siphoviridae	-
<i>Klebsiella</i> phage ST11-VIM1phi8.2	<i>K. pneumoniae</i>	MK448234.1	48,230 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST13-OXA48phi12.5	<i>K. pneumoniae</i>	MK714353.1	44,913 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage 2b LV-2017	<i>K. pneumoniae</i>	KY271395.1	44,279 bp linear DNA	Italy	Siphoviridae	-
<i>Klebsiella</i> phage ST101-KPC2phi6.1	<i>K. pneumoniae</i>	MK448231.1	48,131 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage ST11-VIM1phi8.1	<i>K. pneumoniae</i>	MK448233.1	42,666 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage 2 LV-2017	<i>K. pneumoniae</i>	KY271396.1	44,400 bp linear DNA	Italy	Siphoviridae	-
<i>Klebsiella</i> phage ST512-KPC3phi13.1	<i>K. pneumoniae</i>	MK448235.1	42,666 bp linear DNA	Spain	Siphoviridae	-
<i>Klebsiella</i> phage KLPN1	<i>K. pneumoniae</i>	NC_028760.1	49,037 bp linear DNA	Ireland	Siphoviridae; Tunavirinae	cecal effluent
<i>Klebsiella</i> phage KP36	<i>K. pneumoniae</i>	NC_029099.1	49,797 bp linear DNA	Poland	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage Sanco	<i>K. pneumoniae</i>	MK618657.1	48,790 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; wastewater treatment plant
<i>Klebsiella</i> phage Sin4	<i>K. pneumoniae</i>	MK931442.1	49,916 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; waste water treatment plant- influent
<i>Klebsiella</i> phage Skenny	<i>K. pneumoniae</i>	MK931444.1	49,935 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; waste water treatment plant- activated sludge
<i>Klebsiella</i> phage Sweeny	<i>K. pneumoniae</i>	MK931443.1	50,241 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; waste water treatment plant- influent
<i>Klebsiella</i> phage Shelby	<i>K. pneumoniae</i>	MK931445.1	49,045 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; pond water
<i>Klebsiella</i> phage KOX1	<i>K. oxytoca</i>	KY780482.1	50,526 bp circular DNA	Australia	Siphoviridae; Webervirus	Tunavirinae; wastewater sample

<i>Klebsiella</i> phage Sushi	<i>K. pneumoniae</i>	NC_028774.1	48,754 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage MezzoGao	<i>K. pneumoniae</i>	MF612072.1	49,807 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage 1513	<i>K. pneumoniae</i>	NC_028786.1	49,462 bp linear DNA	China	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage 13	<i>K. pneumoniae</i>	MK170446.1	43,094 bp linear DNA	Hungary	Siphoviridae; Kp36virus	Tunavirinae; -
<i>Klebsiella</i> phage GH-K3	<i>K. pneumoniae</i>	MH844531.1	49,427 bp linear DNA	China	Siphoviridae; Webervirus	Tunavirinae; sewage
<i>Klebsiella</i> phage NJS1	<i>K. pneumoniae</i>	MH445453.1	49,292 bp linear DNA	China	Siphoviridae; Webervirus	Tunavirinae; domestic sewage
<i>Klebsiella</i> phage JY917	<i>K. pneumoniae</i>	MG894052.1	37,655 bp linear DNA	China	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage KPN N141	<i>K. pneumoniae</i>	MF415412.1	49,090 bp circular DNA	Korea	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage NJS3	<i>K. pneumoniae</i>	MH633486.1	49,387 bp linear DNA	China	Siphoviridae; Webervirus	Tunavirinae; hospital sewage
<i>Klebsiella</i> phage TAH8	<i>K. pneumoniae</i>	MH633484.1	49,344 bp linear DNA	China	Siphoviridae; Webervirus	Tunavirinae; hospital sewage
<i>Klebsiella</i> phage KpKT21phi1	<i>K. pneumoniae</i>	MK278861.1	49,106 bp circular DNA	Israel	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage NJS2	<i>K. pneumoniae</i>	MH633485.1	50,132 bp linear DNA	China	Siphoviridae; Webervirus	Tunavirinae; sewage water
<i>Klebsiella</i> phage TSK1	<i>K. pneumoniae</i>	MH688453.1	49,861 bp linear DNA	Pakistan	Siphoviridae; Webervirus	Tunavirinae; -

<i>Klebsiella</i> phage PKP126		<i>K. pneumoniae</i>	NC_031053.1	50,934 bp linear DNA	Korea	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage vB_KpnS_SegesCirculi		<i>K. pneumoniae</i>	MN013080.1	50,713 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; raw sewage
<i>Klebsiella</i> phage vB_KpnS_Call		<i>K. pneumoniae</i>	MN013079.1	51,487 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; raw sewage
<i>Klebsiella</i> phage vB_KpnS_IMGroot		<i>K. pneumoniae</i>	MN013076.1	52,866 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; raw sewage
<i>Klebsiella</i> phage KL		<i>K. pneumoniae</i>	MN379832.1	47,844 bp circular DNA	USA	Siphoviridae; Webervirus	Tunavirinae; -
<i>Klebsiella</i> phage vB_KpnS_Penguinator		<i>K. pneumoniae</i>	MN013087.1	51,678 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; raw sewage
<i>Klebsiella</i> phage vB_KpnS_Alina		<i>K. pneumoniae</i>	MN013083.1	51,780 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; sewage
<i>Klebsiella</i> phage vB_KpnS_KingDDD		<i>K. pneumoniae</i>	MN013078.1	51,562 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; raw sewage
<i>Klebsiella</i> phage vB_KpnS_Domnhall		<i>K. pneumoniae</i>	MN013075.1	54,438 bp linear DNA	USA	Siphoviridae; Webervirus	Tunavirinae; raw sewage
<i>Klebsiella</i> phage KOX9		<i>K. oxytoca</i>	MN101222.1	52,904 bp linear DNA	Australia	Siphoviridae; Eclunavirus	Tunavirinae; -
<i>Klebsiella</i> phage vB_KpnS_KpV522		<i>K. pneumoniae</i>	KX237515.1	51,099 bp linear DNA	Russia	Siphoviridae; Webervirus	Tunavirinae; sewage
<i>Klebsiella</i> phage vB_KpnS_FZ10		<i>K. pneumoniae</i>	MK521904.1	50,381 bp linear DNA	Russia	Siphoviridae; Webervirus	Tunavirinae; sewage water
<i>Klebsiella</i> phage SH-Kp 160016		<i>K. pneumoniae</i>	KY575286.1	49,170 bp circular DNA	China	Siphoviridae; Webervirus	Tunavirinae; sewage water

<i>Klebsiella</i> virus GML-KpCol1	<i>K. pneumoniae</i>	MG552615.1	50,249 bp linear DNA	Turkey	Siphoviridae; Tunavirinae; Kayseri	municipal wastewater treatment plant
<i>Klebsiella</i> phage ST13-OXA48phi12.3	<i>K. pneumoniae</i>	MK422451.1	84,199 bp linear DNA	Spain	Siphoviridae; Nickievirus	-
<i>Klebsiella</i> phage YX3973	<i>K. pneumoniae</i>	MK327140.1	46,907 bp linear DNA	China	Siphoviridae; Roufvirus	medical sewage