

Appendices

Table 8.1 List of prophages identified in the genomes of *K. pneumoniae*

Isolates					Klebsiella prophages			Other than Klebsiella (OTK) prophages		
	Intact	Questionable	Incomplete	Total	Intact	Questionable	Incomplete	Intact	Questionable	Incomplete
M2	1	0	5	6				PHAGE_Enteroc_c_1_NC_019706(10)		PHAGE_Enteroc_933W_NC_000924(5) PHAGE_Bacil_BCA1a1c_NC_00657(1) PHAGE_Salmon_SEN8_NC_047753(5) PHAGE_Enteroc_P1_NC_005856(4) PHAGE_Salmon_118970_saa3_NC_031940(7)
M6	1	1	3	5				PHAGE_Enteroc_c_1_NC_019706(10)	PHAGE_Gordon_Blueberry_NC_030943(1)	PHAGE_Salmon_SEN8_NC_047753(5) PHAGE_Enteroc_933W_NC_000924(5) PHAGE_Salmon_118970_saa3_NC_031940(7)
M10	3	0	4	7	PHAGE_Klebsi_phK02_NC_005857(20)		PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(17)	PHAGE_Enteroc_mEp237_NC_019704(10) PHAGE_Salmon_RE_2010_NC_019488(17)		PHAGE_Salmon_vB_SerS_Saaha_NC_047786(3) PHAGE_Escher_500465_1_NC_049342(16) PHAGE_Escher_RCS47_NC_042128(3)
M17B	2	2	7	11				PHAGE_Enteroc_mEp390_NC_019721(9) PHAGE_Ewinr_vB_EhS_59_NC_048198(14)	PHAGE_Escher_500465_1_NC_049342(11) PHAGE_Escher_HK639_NC_016158(9)	PHAGE_Enteroc_pht27_NC_003356(2) PHAGE_Sa2_vB_EcoP_24B_NC_027964(3) PHAGE_Escher_Av_05_NC_025830(3) PHAGE_Pseudo_rickie_NC_042091(2) PHAGE_Escher_RCS47_NC_042128(2) PHAGE_Salmon_SPN3UB_NC_019545(9) PHAGE_Escher_RCS47_NC_042128(5)
M25	4	1	2	7	PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(31)			PHAGE_Cronob_ENT47670_NC_019927(12) PHAGE_Escher_HK639_NC_016158(7) PHAGE_Enteroc_mEp237_NC_019704(10)	PHAGE_Sa2_c_1717_NC_011357(3)	PHAGE_Salmon_118970_saa3_NC_031940(8) PHAGE_Escher_500465_1_NC_049342(11)
M33	3	3	4	10				PHAGE_Salmon_SEN4_NC_028699(27) PHAGE_Salmon_SPN1S_NC_016761(25) PHAGE_Escher_HK75_NC_016160(6)	PHAGE_Escher_500465_1_NC_049342(12) PHAGE_Acnet_1MC111R9177_NC_041866(6) PHAGE_Enteroc_HK140_NC_019710(12)	PHAGE_Pecob_ZF40_NC_019522(11) PHAGE_Enteroc_VT2ph_Z72_NC_028556(3) PHAGE_Bulbo_vB_BmP_K14_NC_047658(8) PHAGE_Salmon_Sa8_NC_03129(3)
M35	1	0	2	3			PHAGE_Klebsi_3LV2017_NC_047817(12)	PHAGE_Enteroc_mEp237_NC_019706(12)		PHAGE_Enteroc_P4_NC_001609(2) PHAGE_Enteroc_P4_NC_001609(6) PHAGE_Enteroc_mEp390_NC_019721(6) PHAGE_Escher_HK639_NC_016158(3) PHAGE_Salmon_118970_saa3_NC_031940(4)
M36	0	0	4	4						PHAGE_Enteroc_mEp390_NC_019721(6) PHAGE_Escher_HK639_NC_016158(3) PHAGE_Salmon_118970_saa3_NC_031940(4)
M39	0	1	6	7					PHAGE_Ewinr_vB_EhS_49_NC_048197(12)	PHAGE_Shigel_SIV_NC_022749(3) PHAGE_Escher_RCS47_NC_042128(4) PHAGE_Sa2_c_1717_NC_011357(2) PHAGE_Ewinr_vB_EhS_59_NC_048198(2) PHAGE_Sa2_c_Sa2a_F451_NC_048924(4)
DJ	5	1	0	6	PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(35) PHAGE_Klebsi_phK02_NC_005857(45)			PHAGE_Salmon_118970_saa3_NC_031940(12) PHAGE_Enteroc_c_1_NC_019706(10) PHAGE_Enteroc_mEp237_NC_019704(9)	PHAGE_Escher_500465_1_NC_049342(11)	
M34a	4	1	3	8	PHAGE_Klebsi_phK02_NC_005857(20)			PHAGE_Enteroc_I_2_NC_001332(7) PHAGE_Enteroc_c_1_NC_019706(9) PHAGE_Salmon_118970_saa3_NC_031940(10)	PHAGE_Escher_500465_1_NC_049342(12)	PHAGE_Strep_Austriniae_NC_048153(1) PHAGE_Sa2_c_1717_NC_011357(3) PHAGE_Escher_RCS47_NC_042128(6)
M40	3	0	4	7	PHAGE_Klebsi_phK02_NC_005857(20)		PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(19)	PHAGE_Phage_Glcy_1_NC_010392(13) PHAGE_Escher_500465_1_NC_049342(34)		PHAGE_Salmon_vB_SerS_Saaha_NC_047786(3) PHAGE_Enteroc_186_NC_001317(10) PHAGE_Escher_RCS47_NC_042128(4)
M44	2	2	2	6	PHAGE_Klebsi_ST16_OXA48ph5.4_NC_049450(36)			PHAGE_Salmon_118970_saa3_NC_031940(18) PHAGE_Enteroc_P4_NC_001609(7) PHAGE_Escher_RCS47_NC_042128(3)	PHAGE_Enteroc_WPH_NC_005056(3) PHAGE_Escher_500465_1_NC_049342(12)	
M47	2	1	5	8				PHAGE_Enteroc_c_1_NC_019706(10) PHAGE_Enteroc_mEp213_NC_019720(16)	PHAGE_Mycob_MIMC111R9177_NC_041866(1) PHAGE_Salmon_RE_2010_NC_019488(5)	PHAGE_Enteroc_933W_NC_000924(4) PHAGE_Salmon_118970_saa3_NC_03129(4) PHAGE_Salmon_118970_saa3_NC_031940(8) PHAGE_Salmon_Sa8_NC_03129(2)
M48	2	3	6	11	PHAGE_Klebsi_ST16_OXA48ph5.4_NC_049450(34)			PHAGE_Ewinr_vB_EhS_59_NC_048198(14) PHAGE_Enteroc_mEp237_NC_019704(11)	PHAGE_Escher_500465_1_NC_049342(11) PHAGE_Escher_SH2028Shtf_NC_049919(3) PHAGE_Escher_HK639_NC_016158(9)	PHAGE_Enteroc_pht27_NC_003356(2) PHAGE_Escher_RCS47_NC_042128(5) PHAGE_Escher_RCS47_NC_042128(2) PHAGE_Caulb_CorColossum_NC_019401(1) PHAGE_Enteroc_mEp237_NC_019704(9) PHAGE_Pseudo_rickie_NC_042091(2) PHAGE_Escher_RCS47_NC_042128(3)
M49	6	0	1	7	PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(35) PHAGE_Klebsi_phK02_NC_005857(44)			PHAGE_Enteroc_mEp237_NC_019704(11) PHAGE_Salmon_118970_saa3_NC_031940(12) PHAGE_Salmon_SSUR_NC_018843(82) PHAGE_Enteroc_c_1_NC_019706(10)		
M50	2	2	3	7				PHAGE_Enteroc_c_1_NC_019706(10) PHAGE_Enteroc_mEp213_NC_019720(16)	PHAGE_Enteroc_933W_NC_000924(5) PHAGE_Mycob_LIMC111R9177_NC_051582(1)	PHAGE_Salmon_RE_2010_NC_019488(5) PHAGE_Salmon_118970_saa3_NC_031940(7) PHAGE_Salmon_Sa8_NC_03129(2)
M51	3	1	5	9				PHAGE_Enteroc_c_1_NC_019706(11) PHAGE_Enteroc_I_2_NC_001332(8) PHAGE_Salmon_SSUR_NC_018843(76)	PHAGE_Salmon_118970_saa3_NC_031940(7)	PHAGE_Salmon_RE_2010_NC_019488(5) PHAGE_Salmon_118970_saa3_NC_031940(10) PHAGE_Gordon_Blueberry_NC_030943(1) PHAGE_Enteroc_mEp237_NC_019704(5) PHAGE_Salmon_Sa8_NC_03129(3)
M52	1	1	4	6				PHAGE_Enteroc_c_1_NC_019706(10)	PHAGE_Escher_500465_1_NC_049342(11)	PHAGE_Salmon_RE_2010_NC_019488(5) PHAGE_Bacil_BCA1a1c_NC_00657(1) PHAGE_Escher_RCS47_NC_042128(4) PHAGE_Salmon_118970_saa3_NC_031940(7)
M53	5	1	1	7	PHAGE_Klebsi_phK02_NC_005857(20) PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(35)			PHAGE_Enteroc_mEp237_NC_019704(7) PHAGE_Salmon_118970_saa3_NC_031940(12) PHAGE_Ewinr_vB_EhS_59_NC_048198(15)	PHAGE_Salmon_SEN34_NC_028699(22)	PHAGE_Enteroc_VT2_Sakai_NC_000923(3)
M54	6	1	4	11	PHAGE_Klebsi_3LV2017_NC_047817(23) PHAGE_Klebsi_ST16_OXA48ph5.4_NC_049450(39)			PHAGE_Enteroc_mEp237_NC_019704(11) PHAGE_Pecob_ZF40_NC_019522(12) PHAGE_Ewinr_vB_EhS_59_NC_048198(17) PHAGE_Enteroc_mEp237_NC_019706(11)	PHAGE_Acnet_1MC111R9177_NC_041866(6)	PHAGE_Salmon_SPN1S_NC_016761(14) PHAGE_Escher_500465_1_NC_049342(12) PHAGE_Escher_pht10_NC_007804(18) PHAGE_Escher_RCS47_NC_042128(3)
M55	6	0	2	8	PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(35) PHAGE_Klebsi_phK02_NC_005857(42)			PHAGE_Enteroc_c_1_NC_019706(10) PHAGE_Enteroc_mEp237_NC_019704(11) PHAGE_Salmon_SSUR_NC_018843(90) PHAGE_Salmon_118970_saa3_NC_031940(7)		PHAGE_Enteroc_mEp390_NC_019721(2) PHAGE_Enteroc_mEp237_NC_019704(2)
M56	1	0	1	2	PHAGE_Klebsi_ST15_OXA48ph14.1_NC_049454(43)					PHAGE_Escher_RCS47_NC_042128(3)
M57	4	0	3	7				PHAGE_Salmon_118970_saa3_NC_031940(9) PHAGE_Enteroc_mEp213_NC_019720(14) PHAGE_Enteroc_c_1_NC_019706(11) PHAGE_Enteroc_I_2_NC_001332(8)		PHAGE_Salmon_SEN8_NC_047753(5) PHAGE_Bacil_BCA1a1c_NC_00657(1) PHAGE_Enteroc_P1_NC_005856(4)
M58	3	2	2	7	PHAGE_Klebsi_ST512_KPC3ph13.2_NC_049452(37) PHAGE_Klebsi_ST147_VM1pht7.1_NC_049451(33) PHAGE_Klebsi_ST16_OXA48ph5.4_NC_049450(39)		PHAGE_Klebsi_ST437_OXA24SpH4.2_NC_049449(28) PHAGE_Klebsi_ST437_OXA24SpH4.2_NC_049449(6)	PHAGE_Ewinr_vB_EhS_59_NC_048198(18) PHAGE_Salmon_SEN4_NC_028699(18) PHAGE_Enteroc_mEp237_NC_019704(11)	PHAGE_Shigel_SIV_NC_022749(3)	PHAGE_Enteroc_Jambidj_NC_001416(2) PHAGE_Caulb_kama_NC_019419(1) PHAGE_Mycob_Enteroc_NC_028936(1) PHAGE_Enteroc_mEp237_NC_019704(9)
M59	5	1	3	9	PHAGE_Klebsi_phK02_NC_005857(42)			PHAGE_Salmon_SPN1S_NC_016761(30) PHAGE_Cronob_ENT47670_NC_019927(10) PHAGE_Escher_500465_1_NC_049342(12) PHAGE_Ewinr_vB_EhS_59_NC_048198(10)	PHAGE_Escher_500465_1_NC_049342(11) PHAGE_Escher_HK639_NC_016158(9)	PHAGE_Mycob_Enteroc_NC_028936(1) PHAGE_Enteroc_mEp237_NC_019704(9)
ST1	1	3	4	8					PHAGE_Escher_500465_1_NC_049342(11) PHAGE_Escher_HK639_NC_016158(9)	PHAGE_Enteroc_pht27_NC_003356(2) PHAGE_Escher_pHAPeC8_NC_020791(1) PHAGE_Phage_Glcy_1_NC_010392(6) PHAGE_Escher_RCS47_NC_042128(2)
					Note:-					
					Phage located on chromosome					
					Phage located on Plasmid					