

**Table 1. Strains and NCBI accession details for sequences used to populate the updated KL reference sequence database for *Kaptive v 2.0.1+***

K locus	Reference isolate	GenBank or WGS accession number	Base range
KL1	A1	CP010781.1	87963..110544
KL2	A74	KJ459911.1	3057..27820
KL3	D86	KF793926.1	3248..25749
KL4	D78	JN409449.3	3247..31285
KL5	SDF	BK010760	1..25029
KL6	F4	KF130871.1	3248..26268
KL7	SGH0701	KX011025.2	3058..28708
KL8	BAL097	KX712116.2	724..32274
KL9	RUH134	JN247441.4	3250..28148
KL10	BAL_030	KY434633.1	3058..28938
KL11	J9	KF002790.2	745..26607
KL12	D36	JN107991.2	3247..38792
KL13	Ab689	MF522810.1	724..36552
KL14	D46	KF030679.2	724..21932
KL15	A85	KC118540.6	9179..37114
KL16	D4	MF522813.1	724..23467
KL17	G7	KC118541.2	3247..25474
KL18	Ab762	MF522811.2	724..24288
KL19	RBH2	KU165787.1	724..22129
KL20	A388	JQ684178.2	3250..32301
KL21	G21	MG231275.1	3058..33061
KL22	LUH5537	KC526920.2	3248..27716
KL23	Ab836	MF522812.1	724..25107
KL24	RCH51	KX756650.1	724..25150
KL25	AB5075	BK008886	1..23498
KL26	Ab902	MF522809.1	724..28488
KL27 <sup>1</sup>	4190	KT266827.1	382..31000
KL28	Ab908	MF522807.1	724..26378
KL29	2007-16-27-01	AMIR01000046.1	11241..36611
KL30	NIPH 190	MN166189.1	1..20785
KL31	OIFC0162	AMFH01000019.1	107741..131132
KL32	BAL 058	KT359615.1	724..22514
KL33	NIPH 67	MN166195.1	1..22775
KL34	BJAB07104	CP003846.1	94048..118441
KL35	LUH5535	KC526896.2	4373..27270
KL36	Naval-72	AMFI01000021.1	38074..64065
KL37	UV1036	KX712115.1	724..21811
KL38 <sup>2</sup>	4300STDY7045887	UFOG01000008.1	32622..55633
KL39	AB_2008-15-71	AMHP01000019.1	57921..78767

KL40	D141c	KP100029.1	724..24731
KL41	Naval-57	AMFP01000100.1	42104..65411
KL42	NIPH24	MN166194.1	1..22901
KL43	NIPH 60	MN166192.1	1..19982
KL44 <sup>1</sup>	NIPH 70	MN148385.1	1..26811
KL45	NIPH 201	MN166190.1	1..21078
KL46	NIPH 329	MK609549.1	1..23617
KL47	UV1043	KX661320.1	724..22352
KL48	NIPH 615	MN166191.1	1..20705
KL49	BAL_173	KT359616.1	724..32883
KL50	OIFC047	AMFW01000039.1	35120..58660
KL51	WM98c	MN148384.1	1..22098
KL52	H32	KY434632.1	3057..23978
KL53	D23	MH190222.1	736..21707
KL54	RCH52	MG867726.1	724..32088
KL55	BAL 204	MN148381.1	1..24890
KL56	BAL 205	ERR190442	-
KL57	BAL_212	KY434631.1	724..26129
KL58	BAL_114	KT359617.1	724..25347
KL59	BAL_322	ERR190481	-
KL60	BAL_329	MN148382.1	1..24516
KL61	NL_4	ERR190504	-
KL62	NL_9	ERR190506	-
KL63	BAL_103	KX712117.2	724..32678
KL64	10862	DADEXK010000009	31582..56622
KL65	110_n	ERR197597	-
KL66	T299	JRQW01000048.1	36836..15643
KL67	SP 72	ERR246741	-
KL68	SP 310/9	ERR246743	-
KL69	AB_1650-8	AMHG01000066.1	31544..60210
KL70	SGH0807	PYDX01000015.1	31738..61173
KL71	48 n	ERR197591	-
KL72	4195-40	QPHP01000015.1	31676..60159
KL73	SGH0703	MF362178.1	724..36545
KL74	BAL 309	MN148383.1	1..25336
KL75	SP 308/9	ERR246735	-
KL76	2066-12(3)	ERR246945	-
KL77	AB13	PXMX01000017	91183..115065
KL78 <sup>2</sup>	CI78	AVOE01000009	33279..67466
KL79	192/2C	MABY01000005.1	49768..80211
KL80	LUH3712	KC526914.2	3090..27616
KL81	LUH3713	KC526916.2	3247..29414
KL82 <sup>1</sup>	LUH5534	KC526908.2	3248..23847

KL83	LUH5538	KC526898.2	538..26632
KL84	LUH5540	KC526902.2	3252..26477
KL85	LUH5543	KC526913.2	3089..27646
KL86	55-66	MK399432.1	3275..28369
KL87 <sup>1</sup>	LUH5547	KC526918.2	3249..32444
KL88	LUH5548	KC526910.2	3193..23919
KL89	LUH5552	KC526919.2	3159..27654
KL90	LUH5553	KC526917.2	3191..26854
KL91	1053	KM402814.1	1832..24537
KL92	B8300	MN958100.1	1..25980
KL93 <sup>1</sup>	B11911	BK010902	1..27476
KL94	MRSN11765	AAYNPM01000009.1	63810..90091
KL95	LUH7841	JZBX01000014 .1	32605..57939
KL96	AB764	MZ399254.1	1..20695
KL97	AB815	MZ399255.1	1..34581
KL98	Ab821	MZ399256.1	1..24198
KL99	Ab850	MN958101.1	1..24746
KL100	Ab851	MZ399257.1	1..22509
KL101	Ab898	MZ399258.1	1..23127
KL102	MSHR_200	MK370021.1	1..21075
KL103	TUM15263	BKNC01000008.1	31736..55495
KL104	MAL	LKIB01000037	14735..38474
KL105	625974	JEXD01000015.1	32795..58839
KL106	219_ABAU	JVPN01000008.1	31656..58916
KL107	MSHR_183	MK370022.1	1..22790
KL108	MSHR_204	MK370023.1	1..31284
KL109	MSHR_192	MK370024.1	1..24118
KL110	MSHR_203	MK370025.1	1..34861
KL111	MSHR_53	MK370026.1	1..23163
KL112	MSHR_54	MK370027.1	1..25441
KL113	MSHR_8	MK370028.1	1..29261
KL114 <sub>1</sub>	MSHR_89	MK388214.1	1..27862
KL115	KAB08	CP017656	80227..105766
KL116	MAR-303	MK339425.1	3275..23797
KL117 <sub>1</sub>	XH639	LYKQ01000072.1	32507..55588
KL118 <sub>1</sub>	TG00314	ASER01000021.1	37142..66310
KL119	ARLG1794	NGGP01000084.1	30036..54769
KL120	ABBL011	LLCR01000062.1	15005..38992
KL121	42R3	MACC01000003.1	31610..58818
KL122 <sub>1</sub>	XH685	LYJE01000079.1; LYJE01000022.1	105201..110644; 1..23236
KL123	PR336	NGDZ01000017	32642..56680
KL124	ABUH511	NCXX01000026.1	32588..54524
KL125	MAR13-1452	MH306195.1	5072..32981

KL126	31D1	MABX01000005.1	32459..59736
KL127	36-1454	MK399427.1	3276.. 23989
KL128	KZ-1093	MK339428.1	3274..5469
KL129	MAR15-4076	MK399431.1	3276.. 27282
KL130	161/07	JZCA01000041	51328..78239
KL131	MRSN11707	AAYMYH010000023.1	19038..45808
KL132	MCR10179	NQXG01000024.1	14650..39447
KL133	DETAB-P2	CP047973.1	3797501..3822224
KL134	HEU3	NQXQ01000009.1	113262..136099
KL135	13ARS_MAR0082	DADBIM010000017.1	31592..58216
KL136	MRSN32842	VHFG01000034.1	14227..48028
KL137	CA-17	CP012587.1	1952792..1984186
KL138	AB_191	RHYV01000010.1	31721..58349
KL139	2096	VMKC01000012.1	79187..102780
KL140	1391434	JFXH01000012.1	37092..66186
KL141	MSh1_assembly_lg250	(supplied by M.M. Shneider)	
KL142 <sub>1</sub>	ABNIH28	CP026125.1	2955672..2982270
KL143	AB-HN-S73	PRHL01000062.1	32075..60630
KL144	46-1632	MZ064058.1	1..27984
KL145	173011	JABJRI010000044.1	40255..65862
KL146	IHSS3526	NQXR01000009.1	38040..61117
KL147	MRSN489678	VHEN01000012.1	31551..61095
KL148 <sub>1</sub>	TG27391	ASGK01000251.1; ASGK01000267.1	1..20098; 1..11209
KL149 <sub>1</sub>	UPAB1	CP032215.1	1580006..1606869
KL150	MRSN351162	VHEX01000036.1	32465..54706
KL151	MRSN7153	VHEF01000019.1	13630..37156
KL152	MRSN15574	VHGP01000030.1	6886..30372
KL153	MRSN4943	VHEM01000050.1	31608..59009
KL154	MRSN10372	VHHM01000020.1	32755..62714
KL155	MRSN21660	VHGL01000026.1	14821..39200
KL156	MRSN11816	VHHE01000032.1	23185..48744
KL157	MRSN15093	VHGS01000018.1	50828..27886
KL158	MRSN32076	VHFM01000031.1	17147..40377
KL159 <sub>1</sub>	AR_0063	CP026711.1	663276..635121
KL160	AB10	PXNA01000006.1	56576..32520
KL161	WCHAB090197	SGTT01000005.1	107094..131473
KL162	Ab56	VAON01000015.1	108435..132679
KL163	SH25	QOQX01000023.1	40694..14871
KL164	AB173	VAQY01000023.1	107236..129572
KL165	AB046	CP037872.1	1972536..1950007
KL166	MCR8683	NQXS01000004.1	34807..10583
KL167	572_16	JABLVX010000005.1	55175..32620
KL168 <sub>1</sub>	CriePir302	JAEPVZ010000012.1	87958..61949

KL169	DETAB-E227	CP072526.1	78850..56086
KL170	KCRI-186	OVCF01000020.1	56481..32680
KL171	UH6507	AYFK01000037.1	58404..32531
KL172	RB-1399	MPPK01000015.1	59875..34631
KL173	ABBL049	LLED01000053.1	13930..41826
KL174 <sub>1</sub>	OCU_Ac16a	AP023077.1	3895017..3922070
KL175	PR310	NGCA01000031.1	56114..32570
KL176	ARLG1873	NGJA01000135.1	36487..15663
KL177 <sub>1</sub>	LoGelst3-1	NIWP01000014.1	46796..70645
KL178	FDAARGOS_540	CP033754.1	820097..799283
KL179	4300STDY6542371	UFDH01000002.1	528383..503760
KL180	TUM16644	BKDF01000012.1	39581..64412
KL181 <sub>1</sub>	B7	QKVI01000003.1	44823..71002
KL182	ACIN00181	JADVME01000009.1	88114..115776
KL183	MarinaZ4	JAGKRL01000009.1	51499..20138
KL184	INTEC_BIS	JACXKJ01000004.1	105932..130153
KL185	4300STDY7045795	UFLH01000011.1	55114..33861
KL186	HEU2	NQXU01000023.1	13911..39392
KL187	JX111	QFCB01000033.1	57673..32522
KL188 <sub>1</sub>	NCIMB 8209	CP028138.1	80346..56575
KL189	TG28339	RFDH01000015.1	43156..18441
KL190	SQ017	JADQAA01000018.1	16468..41651
KL191	Aci00884	CAJHHV01000020.1	33892..60874
KL192	SP4433	JAAGTO01000017.1	53704..20676
KL193 <sub>1</sub>	16008	JAGFEE01000018.1	13331..36645
KL194	A22	VNWQ01000063.1	10849..42315
KL195	3207	CP015364.1	2422436..2396140
KL196	4300STDY7045822	UFMV01000007.1	107464..125964
KL197	162912	JABJRZ010000089.1	89863..114142
KL198	ACIN00176	JADVMG01000010.1	136843..112863
KL199	916_16	JACDZB01000029.1	34340..7985
KL200	1505311	JMOL01000008.1	61250..38058
KL201	29R1	NIWK01000011.1	56612..33890
KL202	IHIT32296	NWUK01000011.1	90362..113099
KL203	1035119	JEVY01000015.1	48550..73914
KL204	CriePir307	JAEPVX010000001.1	55828..76892
KL205	532279	JEYH01000012.1	46331..21122
KL206	E47	CP042556.1	306824..331336
KL207	TG22204	ASFV01000010.1	67721..38060
KL208	SP304	CP040080.1	628429..598749
KL209	Res13-Abat-PEA21-P4-01-A	CP062919.1	53773..83238
KL210 <sub>1</sub>	403_16	JACDYB01000009.1	91885..64662
KL211	MRSN1449	AAYN SG01000016.1	32809..58019

KL212	MRSN922	AAYNWX010000001.1	839742..873708
KL213	MRSN7435	AAYNGR010000015.1	32031..58324
KL214	04ACRGNY3018C	DADAFT010000013.1	6839..34705
KL215	01ACRGN062	DADADZ010000008.1	31621..62617
KL216 <sup>1</sup>	D388_B3	JAEHMW010000025.1	13325..40287
KL217	MDRA IOMTU507	DADBJV010000010.1	31561..67131
KL218	PLG9P835	NIWR010000011	31783..58972
KL219	TUM15347	BKQI010000013	17226..45424
KL220	TUM15585	BKZE010000014	31848..57847
KL221	MRSN11698	AYMYJ020000008	32522..59687
KL222	AB20ML	DADAGQ010000013	32808..59681
KL223	14ARS_ZMC0036	DADFBF010000012	32737..52695
KL224	Survcare266	JAFIAI010000011	32634..56859
KL225 <sup>1</sup>	4300STDY7045751	UFKC010000014	32639..59280
KL226	SAMEA4548039	DADAYP010000017	17224..39460
KL227	ARLG1933	NGII010000016	106124..132719
KL228	CriePir254	AHHIS010000015	32585..62292
KL229	TUM15033	BKEP010000003	88349..112071
KL230 <sup>1</sup>	TUM15582	BKZB010000022	13445..37166
KL231	BAL505	DADATP010000004	31598..53647
KL232	MRSN11826	AAYNTS020000007	32449..57403
KL233	MRSN7829	AAYNFY020000009	31531..58702
KL234	VB33071	CP040084.1	361110..402114
KL235	VB16141	CP040050.1	3893110..3918836
KL236	MRSN7503	AAYNAT010000007.1	90207..119754
KL237	MRSN7162	AAYMYL020000014	32406..59418
KL238	E-072658	CP061705.1	3379466..3405174
KL239	E-011922	CP059542.1	3857433..3882284
KL240	MAR19-5149	(supplied by M.M. Shneider)	
KL241	A39	JACSTH010000005.1	31813..68238

<sup>1</sup> Sequence has been modified to remove IS or IS remnants

<sup>2</sup> Reference sequence not of *A. baumannii* origin