

Table S1. Strains labels and accession numbers of gene encoding usher identified in *Klebsiella pneumoniae* strains genomes present in NCBI and in this study

Fimbrial Clade	Usher Accession	Organism
κ	BAH64776	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> NTUH-K2044
κ	AHE43106	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> Kp13
κ	AHM78067	<i>Klebsiella pneumoniae</i> 30684/NJST258_2
κ	AHM83667	<i>Klebsiella pneumoniae</i> 30660/NJST258_1
γ1	AEW59011	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> HS11286
γ1	AEW61304	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> HS11286
γ1	ABR75730	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> MGH 78578
γ1	ABR77102	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> MGH 78578
γ1	ABR78394	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> MGH 78578
γ1	ABR79828	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> MGH 78578
γ1	BAH61229	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> NTUH-K2044
γ1	BAH61460	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> NTUH-K2044
γ1	BAH63378	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> NTUH-K2044
γ1	BAH64779	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> NTUH-K2044
γ1	BAH65073	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> NTUH-K2044
γ1	ACI08730	<i>Klebsiella pneumoniae</i> 342
γ1	ACI09288	<i>Klebsiella pneumoniae</i> 342
γ1	ACI10013	<i>Klebsiella pneumoniae</i> 342
γ1	ACI08659	<i>Klebsiella pneumoniae</i> 342
γ1	ACI08479	<i>Klebsiella pneumoniae</i> 342
γ1	AEJ96010	<i>Klebsiella pneumoniae</i> KCTC 2242
γ1	AEJ98151	<i>Klebsiella pneumoniae</i> KCTC 2242
γ1	AEJ99466	<i>Klebsiella pneumoniae</i> KCTC 2242
γ1	AEJ99817	<i>Klebsiella pneumoniae</i> KCTC 2242
γ1	AEJ99818	<i>Klebsiella pneumoniae</i> KCTC 2242
γ1	AGT22732	<i>Klebsiella pneumoniae</i> JM45
γ1	AGT23011	<i>Klebsiella pneumoniae</i> JM45
γ1	AGT24313	<i>Klebsiella pneumoniae</i> JM45
γ1	AGT26409	<i>Klebsiella pneumoniae</i> JM45
γ1	AGX39045	<i>Klebsiella pneumoniae</i> CG43
γ1	AHE42797	<i>Klebsiella pneumoniae</i> CG43
γ1	AHE43103	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> Kp13
γ1	AHE44628	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> Kp13
γ1	AHE46837	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> Kp13
γ1	AHM77757	<i>Klebsiella pneumoniae</i> 30684/NJST258_2
γ1	AHM78064	<i>Klebsiella pneumoniae</i> 30684/NJST258_2
γ1	AHM79571	<i>Klebsiella pneumoniae</i> 30684/NJST258_2
γ1	AHM81882	<i>Klebsiella pneumoniae</i> 30684/NJST258_2
γ1	AHM83349	<i>Klebsiella pneumoniae</i> 30660/NJST258_1
γ1	AHM83664	<i>Klebsiella pneumoniae</i> 30660/NJST258_1
γ1	AHM85224	<i>Klebsiella pneumoniae</i> 30660/NJST258_1
γ1	AHM87517	<i>Klebsiella pneumoniae</i> 30660/NJST258_1
γ1	KPLM21_90123	<i>Klebsiella pneumoniae</i> 30660/NJST258_1
γ1	KPLM21_160040	<i>Klebsiella pneumoniae</i> LM21
γ1	KPLM21_610081	<i>Klebsiella pneumoniae</i> LM21
γ1	KPLM21_1040039	<i>Klebsiella pneumoniae</i> LM21
γ1	KPLM21_200008	<i>Klebsiella pneumoniae</i> LM21

γ_2	ABR78797	Klebsiella pneumoniae subsp. pneumoniae MGH 78578
γ_2	AEJ99901	Klebsiella pneumoniae KCTC 2242
γ_2	AGX41005	Klebsiella pneumoniae CG43
γ_3	AEW59085	Klebsiella pneumoniae subsp. pneumoniae HS11286
γ_3	ABR79894	Klebsiella pneumoniae subsp. pneumoniae MGH 78578
γ_3	BAH61295	Klebsiella pneumoniae subsp. pneumoniae NTUH-K2044
γ_3	ACI08146	Klebsiella pneumoniae 342
γ_3	AEJ96079	Klebsiella pneumoniae KCTC 2242
γ_3	AGT26343	Klebsiella pneumoniae JM45
γ_3	AGX40456	Klebsiella pneumoniae CG43
γ_3	AHE46764	Klebsiella pneumoniae subsp. pneumoniae Kp13
γ_3	AHM81807	Klebsiella pneumoniae 30684/NJST258_2
γ_3	AHM87490	Klebsiella pneumoniae 30660/NJST258_1
γ_3	KPLM21_1000123	Klebsiella pneumoniae LM21
γ_4	AEW63043	Klebsiella pneumoniae subsp. pneumoniae HS11286
γ_4	ABR78675	Klebsiella pneumoniae subsp. pneumoniae MGH 78578
γ_4	BAH65059	Klebsiella pneumoniae subsp. pneumoniae NTUH-K2044
γ_4	ACI09976	Klebsiella pneumoniae 342
γ_4	ACI06599	Klebsiella pneumoniae 342
γ_4	ACI10676	Klebsiella pneumoniae 343
γ_4	AEJ99752	Klebsiella pneumoniae KCTC 2242
γ_4	AFQ64205	Klebsiella pneumoniae subsp. pneumoniae 1084
γ_4	AGT22745	Klebsiella pneumoniae JM45
γ_4	AGT25491	Klebsiella pneumoniae JM45
γ_4	AHE42813	Klebsiella pneumoniae subsp. pneumoniae Kp13
γ_4	AHE45921	Klebsiella pneumoniae subsp. pneumoniae Kp13
γ_4	AHE46162	Klebsiella pneumoniae subsp. pneumoniae Kp13
γ_4	AHM77775	Klebsiella pneumoniae 30684/NJST258_2
γ_4	AHM80923	Klebsiella pneumoniae 30684/NJST258_2
γ_4	AHM83368	Klebsiella pneumoniae 30660/NJST258_1
γ_4	AHM86526	Klebsiella pneumoniae 30660/NJST258_1
γ_4	KPLM21_90135	Klebsiella pneumoniae LM21
σ	AEW60001	Klebsiella pneumoniae subsp. pneumoniae HS11286
σ	ABR75944	Klebsiella pneumoniae subsp. pneumoniae MGH 78578
σ	BAH62173	Klebsiella pneumoniae subsp. pneumoniae NTUH-K2044
σ	AEJ96970	Klebsiella pneumoniae KCTC 2242
σ	AFQ67240	Klebsiella pneumoniae subsp. pneumoniae 1084
σ	AGT25490	Klebsiella pneumoniae JM45
σ	AHM77758	Klebsiella pneumoniae 30684/NJST258_2
σ	AHM80854	Klebsiella pneumoniae 30684/NJST258_2
σ	AHM81143	Klebsiella pneumoniae 30684/NJST258_2
σ	AHM81806	Klebsiella pneumoniae 30684/NJST258_2
σ	AHM83350	Klebsiella pneumoniae 30660/NJST258_1
σ	AHM86458	Klebsiella pneumoniae 30660/NJST258_1
σ	AHM86817	Klebsiella pneumoniae 30660/NJST258_1
σ	AHM87489	Klebsiella pneumoniae LM21
σ	KPLM21_220012	Klebsiella pneumoniae LM21