

Supplementary Material

Surface-related features and virulence among *Acinetobacter baumannii* clinical isolates belonging to international clone I and II

Jūratė Skerniškytė*, Renatas Krasauskas, Christine Péchoux, Saulius Kulakauskas, Julija Armalytė and Edita Sužiedėlienė

* Correspondence: Jūratė Skerniškytė, jurate.skerniskyte@gf.vu.lt

Supplementary Table S2. Oligonucleotides, plasmids and strains used in this study.

Primers	Sequence (5' to 3')	Product size (bp)	Purpose	Source
Eps1 Eps2	CATTAATAAGCGCAATATTGAC GTTATATAAAGCGCTTGAGAAACCCTTTGTGTATTTATCT	1024	<i>wza</i> upstream region amplification	This study
Eps3 Eps4	TCTCAAGCGCTTTATATAAC GTCGAGGCATTTCTGTCCTAGAAGCACCTTTGCTGTC	684	<i>wza</i> downstream region amplification	This study
Fjgms Rjgms	AGGACAGAAATGCCTCGAC ATCTCGGCTTGAACGAATT	854	<i>aac(3)-I</i> amplification	This study
EpgR	TGTATTCAGTTTTATATTCAGTATCAC		Conformation for <i>wza</i> deletion	This study
P-Ab-ITSF P-Ab-ITSB	CATTATCACGGTAATTAGTG AGAGCACTGTGCACTTAAG	208	<i>A. baumannii</i> specie detection	Chiang <i>et al.</i> , 2011

gnaaF	CNTAYTAYYTDACNCATAAAGC			
galuR	GTCAACNACBGTDACCATTTC	various	K locus amplification and sequencing	This study
wzy11F wzy11R	AACGTTGGGACTATAGCAACAAAT CCTGTTTGATGGGGTGGTCT	841	<i>wzy11</i> detection/ KL2 identification	This study
KL27F KL27R	GGAGACTGGCTGCAACCTTAT AGAGCTGTGCACCCAAACAG	333	KL27 identification	This study
KL6F KL6R	CCACTTGGGGGAGTGTGATT AACTTCCGCCCCCAACTTA	236	KL6 identification	This study
KL1F KL1R	ACGAAAACAACAGTTATGGCGA ATGGGGGAGGTGTTACAGGT	193	KL1 identification	This study
KL40F KL40R	GGAAGTTAATCGTACTCTGCATTAT ACACACCTGTAAGCTTGCCT	648	KL40 identification	This study
KL4F KL4R	AACGCGGCAAACCTTACTGGA CGCCGATAAACCCACCTAAG	654	KL4 identification	This study
KL20F KL20R	GAACGCGGCAAACCTTACAGG CAGGAGAGGGACCTGCAATC	934	KL20 identification	This study
RH1704 RH1705	CCCTACAAGGTCTTGCCAAT CCTCAGCCCGTACTTACAAC	2116	OCL1 identification	Kenyon <i>et al.</i> , 2014, c
Citrato F1 Citrato R12	AATTTACAGTGGCACATTAGGTCCC GCAGAGATACCAGCAGAGATACACG	722	<i>gltA</i> amplification and sequencing	https://pubmlst.org

gyrB_F	TGAAGGCGGCTTATCTGAGT	594	<i>gyrB</i> amplification and sequencing	https://pubmlst.org
gyrB_R	GCTGGGTCTTTTTCCTGACA			
RA1	CCTGAATCTTCYGGTAAAAC	425	<i>recA</i> amplification and sequencing	https://pubmlst.org
RA2	GTTTCTGGGCTGCCAAACATTAC			
gpi_F	GAAATTTCCGGAGCTCACAA	456	<i>gpi</i> amplification and sequencing	https://pubmlst.org
gpi_R	TCAGGAGCAATACCCCACTC			
GDHB1F	GCT ACT TTT ATG CAA CAG AGC C	774	<i>gdhB</i> amplification and sequencing	https://pubmlst.org
GDHB775R	GTTGAGTTGGCGTATGTTGTGC			
cpn60_F	GGTGCTCAACTTGTTTCGTGA	640	<i>cpn60</i> amplification and sequencing	https://pubmlst.org
cpn60_R	CACCGAAACCAGGAGCTTTA			
rpoD-F	ACCCGTGAAGGTGAAATCAG	672	<i>rpoD</i> amplification and sequencing	https://pubmlst.org
rpoD-R	TTCAGCTGGAGCTTTAGCAAT			

Plasmids	Relevant characteristics	Source
pUC19_sacB	pUC19 derivative with <i>sacB</i> gene from <i>Bacillus sp.</i>	Laboratory collection
pUC19_sacB_UDwzaGm	pUC19_sacB derivative with upstream and downstream regions of <i>A. baumannii wza</i> gene and <i>aac(3)-I</i> gentamicin aminoglycoside cassette from clinical <i>A. baumannii</i> strain	This study

Strains	Relevant characteristics	Source
<i>Escherichia coli</i> OP50	Wild type, bacterial food source for <i>C. elegans</i>	Brenner, 1974
<i>Acinetobacter baylyi</i> ADP1	Wild type	ATCC 33305*

Acinetobacter baumannii III-a
 Δwza

wza gene-negative mutant of *A. baumannii* strain III-a; markerless

This study

*ATCC, American Type Culture Collection

Brenner, S. (1974). The genetics of *Caenorhabditis elegans*. *Genetic* 77, 71–94;

Chiang, M.C., Kuo, S.C., Chen, Y.C., Lee, Y.T., Chen, T.L., and Fung, C.P. (2011). Polymerase chain reaction assay for the detection of *Acinetobacter baumannii* in endotracheal aspirates from patients in the intensive care unit. *J Microbiol Immunol Infect.* 44(2), 106-10. doi: 10.1016/j.jmii.2010.04.003;

Kenyon, J.J., Nigro, S.J., and Hall, R.M. (2014). Variation in the OC Locus of *Acinetobacter baumannii* Genomes Predicts Extensive Structural Diversity in the Lipooligosaccharide. *PLoS ONE* 9(9):e107833. doi: 10.1371/journal.pone.0107833;

This publication made use of the *Acinetobacter baumannii* MLST website (<https://pubmlst.org/abaumannii/>) sited at the University of Oxford (Jolley & Maiden 2010, *BMC Bioinformatics*, 11:595). The development of this site has been funded by the Wellcome Trust.