

Supplementary Table 9: Bioinformatic analysis of *Acinetobacter baumannii* identified glycoproteins

Uniprot accession number strain SDF	Uniprot accession number strain ATCC 19606	Uniprot accession number strain ATCC 17967	Page
BOVKN6_ACIBS	DOCAB8_ACIBA	A3M265_ACIBT	2
BOVLIO_ACIBS	DOCEI7_ACIBA	A7FB63_ACIBT	3
BOVRK6_ACIBS	DOC6C0_ACIBA	-	4
BOVSH8_ACIBS	DOCDQ9_ACIBA	-	5
BOVV82_ACIBS	DOCA69_ACIBA	-	6
-	DOC6Q2_ACIBA	A7FBI1_ACIBT	7
-	DOC7T4_ACIBA	-	8
-	DOC8B9_ACIBA	A7FB95_ACIBT	9
-	DOC8Y7_ACIBA	-	10
-	DOCAD2_ACIBA	-	11
-	DOCC33_ACIBA	A3M796_ACIBT	12
-	DOCD31_ACIBA	-	13
-	DOCDA9_ACIBA	-	14

Supplementary table 9: Bioinformatic analysis of identified *A. baumannii* glycoproteins. Identified glycoproteins are labeled according to the Uniprot accession number for each strain. The corresponding analysis of each protein is shown on the denoted pages

Protein Name: Putative uncharacterized protein
 Function: unknown
 Molecular weight (Da): 34,608
 Localisation¹: periplasmic
 Class²: unknown

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
		BOVKN6_ACIBS	BOV5I4_ACIBY	DOCAB8_ACIBA	FOQNY6_ACIBD	E8PBZ6_ACIB1	A3M265_ACIBT	B7H040_ACIB3
Acinetobacter baumannii (strain SDF)	BOVKN6_ACIBS	100%	97%	97%	97.00%	97.00%	97.00%	96.00%
Acinetobacter baumannii (strain AYE)	BOV5I4_ACIBY		100%	98.00%	99.00%	99.00%	99.00%	99.00%
Acinetobacter baumannii ATCC 19606	DOCAB8_ACIBA			100%	98.00%	98.00%	98.00%	97.00%
Acinetobacter baumannii (strain TCDC-AB0715)	FOQNY6_ACIBD				100%	100.00%	98.00%	99.00%
Acinetobacter baumannii (strain 1656-2)	E8PBZ6_ACIB1					100%	98.00%	99.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A3M265_ACIBT						100%	98.00%
Acinetobacter baumannii (strain AB307-0294)	B7H040_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: ToIA
 Function: membrane protein
 Molecular weight (Da): 11,226
 Localisation¹: periplasmic
 Class²: unknown

Sequence Identity between strains

Strains		Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
	Uniprot #	BOVLIO_ACIBS	BOVAK5_ACIBY	DOCEI7_ACIBA	FOQJK1_ACIBD	E8PA92_ACIB1	A7FB63_ACIBT	B7GWW8_ACIB3
Acinetobacter baumannii (strain SDF)	BOVLIO_ACIBS	100%	97.00%	97.00%	98.00%	98.00%	97.00%	97.00%
Acinetobacter baumannii (strain AYE)	BOVAK5_ACIBY		100%	100.00%	99.00%	99.00%	100.00%	100.00%
Acinetobacter baumannii ATCC 19606	DOCEI7_ACIBA			100%	99.00%	99.00%	100.00%	100.00%
Acinetobacter baumannii (strain TCDC-AB0715)	FOQJK1_ACIBD				100%	100.00%	99.00%	99.00%
Acinetobacter baumannii (strain 1656-2)	E8PA92_ACIB1					100%	99.00%	99.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A7FB63_ACIBT						100%	100.00%
Acinetobacter baumannii (strain AB307-0294)	B7GWW8_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Putative uncharacterized protein
 Function: unknown
 Molecular weight (Da): 42,327
 Localisation¹: periplasmic
 Class²: CytoplasmicMembrane

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
Acinetobacter baumannii (strain SDF)	B0VRK6_ACIBS	100%	98.00%	99.00%	99.00%	99.00%	97.00%	98.00%
Acinetobacter baumannii (strain AYE)	B0V745_ACIBY		100%	98.00%	99.00%	98.00%	97.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0C6C0_ACIBA			100%	99.00%	99.00%	98.00%	98.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QIR8_ACIBD				100%	99.00%	98.00%	99.00%
Acinetobacter baumannii (strain 1656-2)	E8P8Z1_ACIB1					100%	98.00%	98.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A3M6D2_ACIBT						100%	97.00%
Acinetobacter baumannii (strain AB307-0294)	B7H1B6_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Putative uncharacterized protein
 Function: unknown
 Molecular weight (Da): 30,909
 Localisation¹: unknown
 Class²: unknown

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
Acinetobacter baumannii (strain SDF)	B0VSH8_ACIBS	100%	98.00%	99.00%	98.00%	98.00%	98.00%	98.00%
Acinetobacter baumannii (strain AYE)	B0VEH4_ACIBY		100%	99.00%	100.00%	100.00%	99.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0CDQ9_ACIBA			100%	99.00%	99.00%	99.00%	99.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QEY1_ACIBD				100%	100.00%	99.00%	100.00%
Acinetobacter baumannii (strain 1656-2)	E8PB50_ACIB1					100%	99.00%	100.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A3M897_ACIBT						100%	99.00%
Acinetobacter baumannii (strain AB307-0294)	B7GXI1_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Predicted protein
 Function: unknown
 Molecular weight (Da): 7,395
 Localisation¹: periplasmic
 Class²: unknown

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
Acinetobacter baumannii (strain SDF)	B0VV82_ACIBS	100%	72.00%	80.00%	80.00%	80.00%	80.00%	72.00%
Acinetobacter baumannii (strain AYE)	B0V5Q3_ACIBY		100%	81.00%	81.00%	81.00%	79.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0CA69_ACIBA			100%	100.00%	100.00%	89.00%	81.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QPJ4_ACIBD				100%	100.00%	89.00%	81.00%
Acinetobacter baumannii (strain 1656-2)	E8PC45_ACIB1					100%	89.00%	81.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A7FAU3_ACIBT						100%	79.00%
Acinetobacter baumannii (strain AB307-0294)	B7GZZ3_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Putative uncharacterized protein
 Function: unknown
 Molecular weight (Da): 18,176
 Localisation¹: periplasmic
 Class²: unknown

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
Acinetobacter baumannii (strain SDF)	B0VQI7_ACIBS	100%	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Acinetobacter baumannii (strain AYE)	B0V5G3_ACIBY		100%	100.00%	100.00%	100.00%	100.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0C6Q2_ACIBA			100%	100.00%	100.00%	100.00%	100.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QGP1_ACIBD				100%	100.00%	100.00%	100.00%
Acinetobacter baumannii (strain 1656-2)	E8PH34_ACIB1					100%	100.00%	100.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A7FBI1_ACIBT						100%	100.00%
Acinetobacter baumannii (strain AB307-0294)	B7H224_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Putative uncharacterized protein
 Function: unknown
 Molecular weight (Da): 18,176
 Localisation¹: periplasmic
 Class²: unknown

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
Acinetobacter baumannii (strain SDF)	B0VMX4_ACIBS	100%	97.00%	95.00%	96.00%	96.00%	96.00%	97.00%
Acinetobacter baumannii (strain AYE)	B0VD02_ACIBY		100%	97.00%	98.00%	98.00%	98.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0C7T4_ACIBA			100%	98.00%	98.00%	98.00%	97.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QP13_ACIBD				100%	100.00%	100.00%	98.00%
Acinetobacter baumannii (strain 1656-2)	E8PDM4_ACIB1					100%	100.00%	98.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A7FBB9_ACIBT						100%	98.00%
Acinetobacter baumannii (strain AB307-0294)	B7H3N7_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Putative uncharacterized protein
 Function: unknwn
 Molecular weight (Da): 5,102
 Localisation¹: periplasmic
 Class²: Non-Cytoplasmic

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
	Uniprot #	NA	B0VBI1_ACIBY	DOC8B9_ACIBA	NA	E8PC89_ACIB1	A7FB95_ACIBT	B7H463_ACIB3
Acinetobacter baumannii (strain SDF)	NA	-	-	-	-	-	-	-
Acinetobacter baumannii (strain AYE)	B0VBI1_ACIBY		100%	97.00%	-	97.00%	97.00%	100.00%
Acinetobacter baumannii ATCC 19606	DOC8B9_ACIBA			100%	-	100.00%	100.00%	97.00%
Acinetobacter baumannii (strain TCDC-AB0715)	NA				-	-	-	-
Acinetobacter baumannii (strain 1656-2)	E8PC89_ACIB1					100%	100.00%	97.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A7FB95_ACIBT						100%	97.00%
Acinetobacter baumannii (strain AB307-0294)	B7H463_ACIB3							100%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Lipoprotein
 Function: unkown
 Molecular weight (Da): 17,543
 Localisation¹: periplasmic
 Class²: OuterMembrane

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
Acinetobacter baumannii (strain SDF)	B0VSC6_ACIBS	100%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Acinetobacter baumannii (strain AYE)	B0V9M7_ACIBY		100%	100.00%	100.00%	100.00%	100.00%	100.00%
Acinetobacter baumannii ATCC 19606	DOC8Y7_ACIBA			100%	100.00%	100.00%	100.00%	100.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QH45_ACIBD				100.00%	100.00%	100.00%	100.00%
Acinetobacter baumannii (strain 1656-2)	E8PFC2_ACIB1					100%	100.00%	100.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A3M3E7_ACIBT						100%	100.00%
Acinetobacter baumannii (strain AB307-0294)	B7GXU9_ACIB3							100.00%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Membrane-fusion protein
 Function: transmembrane transport
 Molecular weight (Da): 48,204
 Localisation¹: unknown
 Class²: CytoplasmicMembrane

Sequence Identity between strains

Strains	Uniprot #	Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
Acinetobacter baumannii (strain SDF)	B0VKQ2_ACIBS	100%	99.00%	99.00%	98.00%	98.00%	100.00%	99.00%
Acinetobacter baumannii (strain AYE)	B0V5H5_ACIBY		100%	99.00%	99.00%	99.00%	100.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0CAD2_ACIBA			100%	99.00%	99.00%	99.00%	99.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QNX2_ACIBD				100.00%	100.00%	100.00%	99.00%
Acinetobacter baumannii (strain 1656-2)	E8PBH5_ACIB1					100%	100.00%	99.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A3M247_ACIBT						100%	100.00%
Acinetobacter baumannii (strain AB307-0294)	B7H054_ACIB3							100.00%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: ErfK/YbiS/YcfS/YnhG family
 Function: transferase activity
 Molecular weight (Da): 44,929
 Localisation¹: periplasmic
 Class²: Non-Cytoplasmic

Sequence Identity between strains

Strains		Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
	Uniprot #	B0VUQ8_ACIBS	B0VBT1_ACIBY	DOCC33_ACIBA	F0QMC7_ACIBD	E8PJ01_ACIB1	A3M796_ACIBT	B7GZK5_ACIB3
Acinetobacter baumannii (strain SDF)	B0VUQ8_ACIBS	100%	99.00%	98.00%	98.00%	99.00%	99.00%	99.00%
Acinetobacter baumannii (strain AYE)	B0VBT1_ACIBY		100%	99.00%	99.00%	100.00%	100.00%	100.00%
Acinetobacter baumannii ATCC 19606	DOCC33_ACIBA			100%	99.00%	99.00%	99.00%	99.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QMC7_ACIBD				100.00%	99.00%	99.00%	99.00%
Acinetobacter baumannii (strain 1656-2)	E8PJ01_ACIB1					100%	100.00%	100.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A3M796_ACIBT						100%	100.00%
Acinetobacter baumannii (strain AB307-0294)	B7GZK5_ACIB3							100.00%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Putative uncharacterized protein
 Function: unknown
 Molecular weight (Da): 15,992
 Localisation¹: unknown
 Class²: unknown

Sequence Identity between strains

Strains		Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
	Uniprot #	NA	B0V6T7_ACIBY	D0CD31_ACIBA	F0QHH4_ACIBD	E8PD83_ACIB1	A7FBW3_ACIBT	B7GW36_ACIB3
Acinetobacter baumannii (strain SDF)	NA	-	-	-	-	-	-	-
Acinetobacter baumannii (strain AYE)	B0V6T7_ACIBY		100%	97.00%	99.00%	99.00%	98.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0CD31_ACIBA			100%	97.00%	97.00%	97.00%	97.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QHH4_ACIBD				100.00%	100.00%	99.00%	99.00%
Acinetobacter baumannii (strain 1656-2)	E8PD83_ACIB1					100%	99.00%	99.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A7FBW3_ACIBT						100%	98.00%
Acinetobacter baumannii (strain AB307-0294)	B7GW36_ACIB3							100.00%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>

Protein Name: Putative uncharacterized protein
 Function: unknown
 Molecular weight (Da): 13,936
 Localisation¹: Periplasmic
 Class²: Periplasmic

Sequence Identity between strains

Strains		Acinetobacter baumannii (strain SDF)	Acinetobacter baumannii (strain AYE)	Acinetobacter baumannii ATCC 19606	Acinetobacter baumannii (strain TCDC-AB0715)	Acinetobacter baumannii (strain 1656-2)	Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	Acinetobacter baumannii (strain AB307-0294)
	Uniprot #	B0VRD8_ACIBS	B0V536_ACIBY	D0CDA9_ACIBA	F0QG99_ACIBD	E8PCH0_ACIB1	A3M8P7_ACIBT	B7GWPO_ACIB3
Acinetobacter baumannii (strain SDF)	B0VRD8_ACIBS	100%	97.00%	99.00%	99.00%	99.00%	98.00%	97.00%
Acinetobacter baumannii (strain AYE)	B0V536_ACIBY		100%	98.00%	98.00%	98.00%	99.00%	100.00%
Acinetobacter baumannii ATCC 19606	D0CDA9_ACIBA			100%	100.00%	100.00%	99.00%	98.00%
Acinetobacter baumannii (strain TCDC-AB0715)	F0QG99_ACIBD				100.00%	100.00%	99.00%	98.00%
Acinetobacter baumannii (strain 1656-2)	E8PCH0_ACIB1					100%	99.00%	98.00%
Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)	A3M8P7_ACIBT						100%	99.00%
Acinetobacter baumannii (strain AB307-0294)	B7GWPO_ACIB3							100.00%

¹ based on SignalP, <http://www.cbs.dtu.dk/services/SignalP/>

² based on Psortb, <http://www.psort.org/psortb/>