Supplementary table 10A: Glycopeptides identified using ETD in Acinetobacter baumannii (strain ATCC19606)

Uniprot accession number	Protein name	parent mass	charge	Precursor MH+	glycan mass	glycan composition	peptide mass	peptide	Site localisation	Page
D0C6Q2_ ACIBA	Putative uncharacterized protein [HMPREF0010_00432] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]"	850.14	4	3397.52	1030.36	HexNAc-Hex ₂ - HexNAc-300	2367.160	³⁴ EEEQDKVETAVSEPOPOKPAK ⁵³	S ⁴⁵⁺	3
D0C6Q2_ ACIBA	Putative uncharacterized protein [HMPREF0010_00432] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]"	866.41	3	2597.19	988.34	HexNAc-Hex ₂ - HexNAc-258	1608.859	40VETAVSEPQPQKPAK ⁵¹	S ⁴⁵⁺	4
D0C7T4_ ACIBA	Putative uncharacterized protein [HMPREF0010_00814] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	964.42	3	2891.25	1030.36	HexNAc-Hex ₂ - HexNAc-300	1860.893	²⁸ KEEAAQAGQDAASTAVADK ⁴⁶	S ⁴⁰⁺	5
D0C8B9_ ACIBA	Uncharacterized protein [F911_02370] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	1007.05	3	3019.13	1030.36	HexNAc-Hex ₂ - HexNAc-300	1988.766	²⁸ NDG <u>M(+16)</u> HEASDPATSHD <u>M(+16)</u> NK ⁴⁵	S ³⁵⁺	6
D0C8B9_ ACIBA	Uncharacterized protein [F911_02370] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	755.78	4	3020.11	1030.36	HexNAc-Hex ₂ - HexNAc-300	1989.753	²⁸ N(+1)DG <u>M</u> (+16)HEASDPATSHD <u>M</u> (+16)NK ⁴⁵	S ³⁵⁺	7
D0C8B9_ ACIBA	Uncharacterized protein [F911_02370] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	755.04	4	3017.15	1044.38	HexNAc-Hex ₂ - HexNAc-314	1972.765	²⁸ NDG <u>M(</u> +16)HEASDPATSHDMNK ⁴⁵	S ³⁵⁺	8
D0CAB8_ ACIBA	Uncharacterized protein [F911_03368] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	657.32	3	1969.94	1030.36	HexNAc-Hex ₂ - HexNAc-300	939.562	³⁰² AKPASAPAVK ³¹¹	S ³⁰⁶⁺	9

	Uncharacterized protein [F911 03368] [Acinetobacter									
D0CAB8_	baumannii ATCC					HexNAc-Hex ₂ -				
ACIBA	19606 = CIP 70.34]	643.31	3	1927.91	988.35	HexNAc-258	939.562	³⁰² AKPASAPAVK ³¹¹	S ³⁰⁶⁺	10
D0CAB8_ ACIBA	Uncharacterized protein [F911_03368] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	1128.16	3	3382.47	1030.36	HexNAc-Hex ₂ - HexNAc-300	2352.114	¹¹⁶ KTEASAAAATEQQDSFDAQVQR ¹³⁶	S ¹²⁰	11
D0CDQ9_ ACIBA	Uncharacterized protein [F911_00789] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	846.38	3	2536.10	1030.36	HexNAc-Hex ₂ - HexNAc-300	1505.744	⁴⁰ STAKDEQPASSASVK ⁵⁴	S ^{51/50+}	12
D0CEI7_A CIBA	TolA (Uncharacterized protein) [F911_02604] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	855.70	3	2565.10	1030.36	HexNAc-Hex ₂ - HexNAc-300	1534.734	⁵² QAASDIATATDNASAK ⁶⁷	S ⁵⁵⁺	13
D0CEI7_A CIBA	TolA (Uncharacterized protein) [F911_02604] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	951.74	3	2853.20	988.35	HexNAc-Hex ₂ - HexNAc-300	1864.848	⁴⁸ SAGDQAASDIATATDNASAK ⁶⁷	S ⁵⁵⁺	14
D0CEI7_A CIBA	TolA (Uncharacterized protein) [F911_02604] [Acinetobacter baumannii ATCC 19606 = CIP 70.34]	965.74	3	2895.21	1030.36	HexNAc-Hex ₂ - HexNAc-300	1864.852	⁴⁸ SAGDQAASDIATATDNASAK ⁶⁷	S ⁵⁵⁺	15

Supplementary table 10A: Identifications are labeled according to the corresponding Uniprot accession number and protein name. The parent m/z, charge state, deconvoluted mass mass, glycan mass, peptide mass, peptide sequence and glycan site attachment are provided for each identified glycopeptide. All identified glycopeptide ETD spectra are provided on the corresponding pages



























Supplementary Table 10B: Glycosylation site localisation in Acinetobacter baumannii (strain ATCC19606)

Uniprot accession number	Site localisation	five amino acid each side of the site
D0C6C0_ACIBA	S ₁₈₆	EQKAASEPEQK
D0C6Q2_ACIBA	S ₄₅ ⁺	VETAVSEPQPQ
D0C7T4_ACIBA	S ₄₀ ⁺	GQDAASTAVAD
D0C8B9_ACIBA	S ₃₅ ⁺	GMHEASDPATS
D0CAB8_ACIBA	S ₃₀₆ ⁺	KAKPASAPAVK
D0CA69_ACIBA	S ₃₄	AAGAASEAVAA
D0CA69_ACIBA	S ₇₈	SDVAASAAH
D0CAB8_ACIBA	S_{120}^{+}	KKTEASAAAAT
D0CDA9_ACIBA	S ₁₂₃	PAPVASQAK
D0CDQ9_ACIBA	S ₄₉ ⁺	DEQPASSASVK
D0CEI7_ACIBA	S ₅₅ ⁺	GDQAASDIATA



Supplementary table 10B: Glycosylation site localization in *A. baumannii* ATCC19606. Identifications are labeled according to the corresponding Uniprot accession number within strain ATCC19606. The site and residue of localization are denoted with + indicating sites localized by ETD. To enable assessment of the local environment of glycosylation five amino acids either side of the site of modification are provided.