

**Supplementary Table 8: HCD identified *Acinetobacter baumannii* (strain ATCC17978) glycopeptides**

Uniprot number	parent mass	Precursor MH+	charge	glycan mass	glycan composition	peptide mass	Sequence	Mascot Ion score	Page
A3M265_ACIBT	585.62	1754.85	3	785.28	HexNAc-Hex <sub>2</sub> -258	969.57	<sup>301</sup> AKPASTPAVK <sup>310</sup>	21	2
A3M265_ACIBT	979.47	1957.93	2	988.36	HexNAc-Hex <sub>2</sub> -HexNAc-258	969.57	<sup>301</sup> AKPASTPAVK <sup>310</sup>	49	3
A7FBI1_ACIBT	1119.52	3356.53	3	988.36	HexNAc-Hex <sub>2</sub> -HexNAc-258	2367.17	<sup>29</sup> EEEQDKVETAVSEPQPQKPAK <sup>49</sup>	45	4
A7FB63_ACIBT	1044.47	4174.84	4	988.36	HexNAc-Hex <sub>2</sub> -HexNAc-258	3186.48	<sup>48</sup> SAGDQAASDIATATDNASAKIDAAADHAADATAK <sup>81</sup>	34	5
A7FB63_ACIBT	1427.11	2853.22	2	988.37	HexNAc-Hex <sub>2</sub> -HexNAc-258	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	59	6
A3M3X9_ACIBT	1352.41	5406.62	4	988.40	HexNAc-Hex <sub>2</sub> -HexNAc-258	4418.21	<sup>203</sup> AASGVEAAAAPATLTLSTDDKGAVSQCQAGIGDQGFLATLQTQVK <sup>247</sup>	37	7
A7FB63_ACIBT	1058.48	4230.90	4	1044.42	HexNAc-Hex <sub>2</sub> -HexNAc-314	3186.48	<sup>48</sup> SAGDQAASDIATATDNASAKIDAAADHAADATAK <sup>81</sup>	40	8
A7FB63_ACIBT	979.42	2936.25	3	1071.40	HexNAc-Hex-HexNAc <sub>2</sub> -300	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	71	9
A7FB63_ACIBT	1026.76	3078.27	3	1213.45	386-Hex <sub>2</sub> -HexNAc-300	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	72	10
A7FB63_ACIBT	1100.74	4399.93	4	1213.45	386-Hex <sub>2</sub> -HexNAc-300	3186.48	<sup>48</sup> SAGDQAASDIATATDNASAKIDAAADHAADATAK <sup>81</sup>	25	11
A7FB63_ACIBT	898.05	2692.15	3	827.30	HexNAc-Hex <sub>2</sub> -300	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	74	12

**Supplementary table 8:** Identifications are grouped according to the corresponding Uniprot accession number of *A. baumannii* ATCC17978. The parent m/z, charge state, deconvoluted mass, glycan mass, glycan composition, peptide mass, peptide sequence and mascot ion score are provided for each identified glycopeptide. All identified glycopeptide HCD spectra are provided and are available on the designated pages























