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Erratum

Improvement of Prostate Cancer Diagnosis by Detecting PSA Glycosylation-Specific Changes: Erratum

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In our paper [1], Figure 1 and Figure 4 should be corrected as follows.

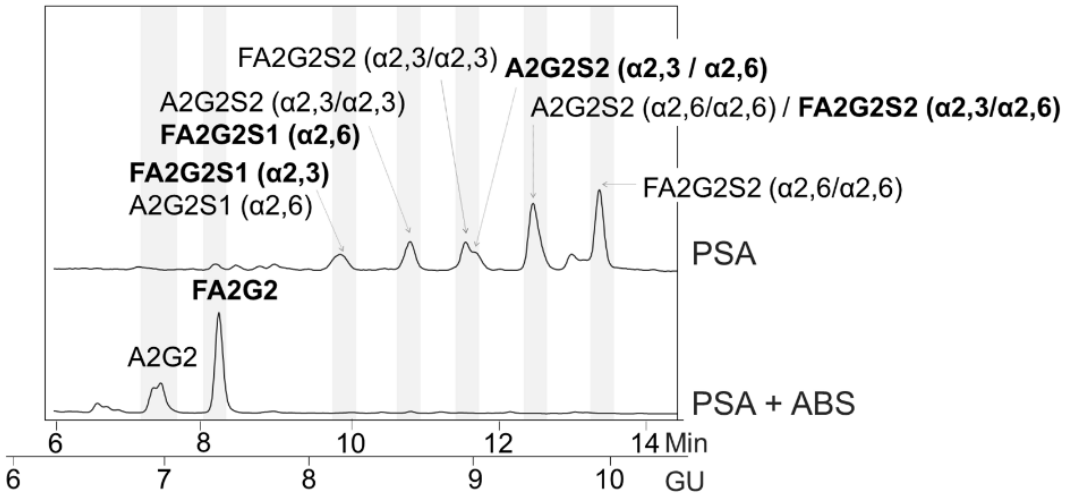

Figure 1: Glycosylation analysis of standard (Std) PSA. HILIC-UPLC chromatograms of *N*-glycans released from the Std PSA. *N*-glycan profiles from the undigested sample (top) and after sialidase digestion with ABS (digests all sialic acids) (bottom). Profiles are standardized against a dextran hydrolysate (GU). *N*-glycans structures are abbreviated as follows: all *N*-glycans have two core *N*-Acetylglucosamines (GlcNAc) and a trimannosyl core; F at the start of the abbreviation indicates a core fucose; A represents the number of antenna; G represents the galactoses linked β1-4 on antenna; S represents the sialic acids linked to the galactose. In peaks containing more than one glycan structure [36], the major one is marked in bold.

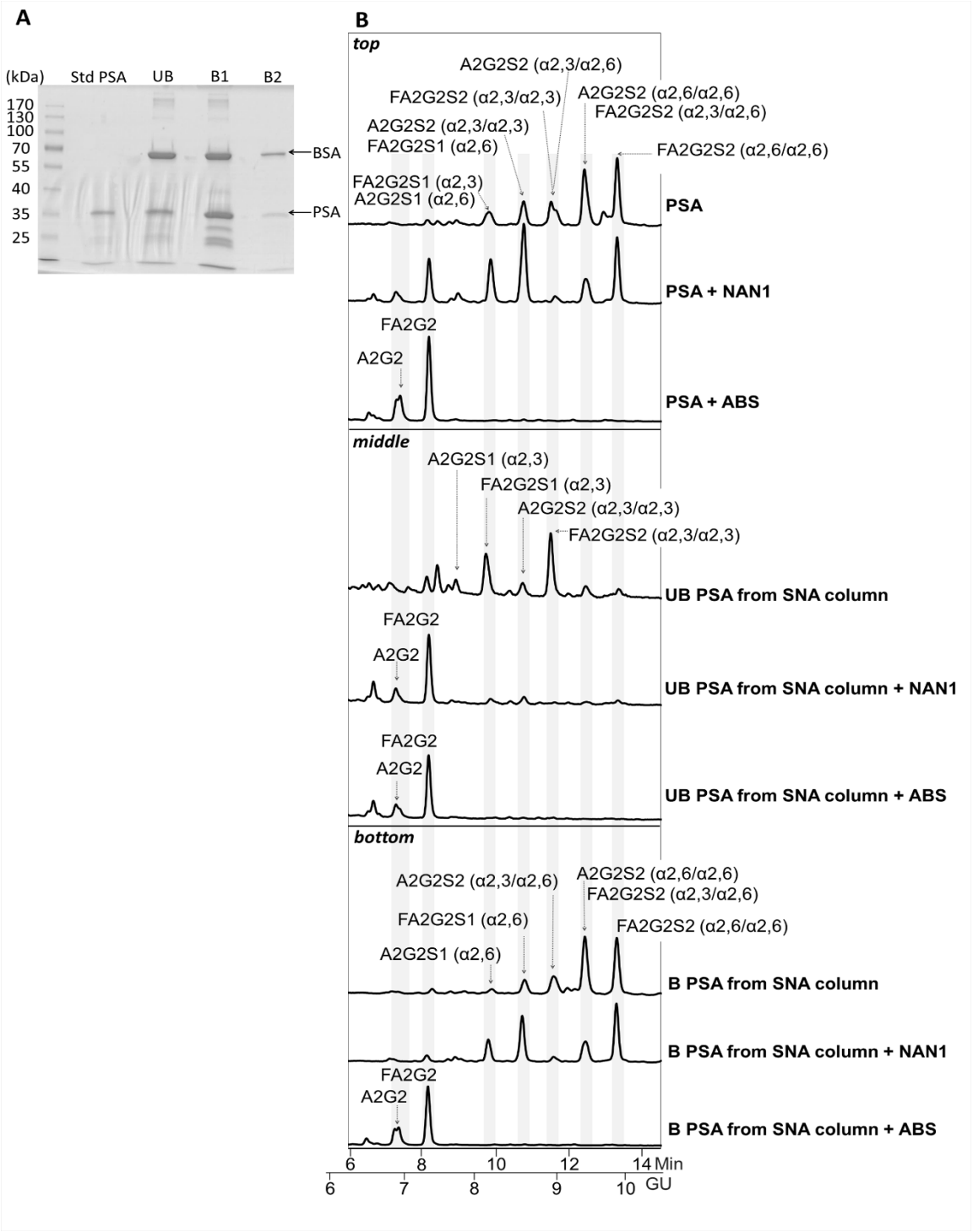

Figure 4: Glycosylation analysis of Std PSA fractionated with SNA chromatography. (A) Coomassie staining of a 10% SDS–PAGE gel containing the molecular weight marker (Mw), Std PSA and the unbound (UB), bound (B) B1, and B2 elution fractions from the SNA column. PSA is indicated with an arrow. Bovine Serum Albumin (BSA) bands arise from the elution buffer (see Materials and Methods for details). (B) HILIC-UPLC chromatograms of *N*-glycans released from the Std PSA (top panel), UB fraction (middle panel) and B fraction (bottom panel). *N*-glycan profiles after sialidase digestions with NAN1 (specific for α2,3-sialic acid) and ABS (digests all sialic acids) are depicted under undigested chromatograms. Profiles are standardized against a dextran hydrolysate (GU). *N*-glycans structures are abbreviated as indicated in Figure 1 legend.

Sentence of page 1199:

"N-Glycan sequencing of the released PSA N-glycans showed that the unbound fraction contained **mainly monosialylated glycans and a few disialylated glycans** that were digested to neutral structures with a specific α2,3-sialidase (NAN1) treatment (Figure 4B, middle panel)".

should be modified to be:

“"N-Glycan sequencing of the released PSA N-glycans showed that the unbound fraction contained **monosialylated and disialylated glycans** that were digested to neutral structures with a specific α2,3-sialidase (NAN1) treatment (Figure 4B, middle panel)".

References

[1] Llop E, Ferrer-Batallé M, Barrabés S, Guerrero PE, Ramírez M, Saldova R, Rudd PM, Aleixandre RN, Comet J, de Llorens R, Peracaula R. Improvement of Prostate Cancer Diagnosis by Detecting PSA Glycosylation-Specific Changes. *Theranostics*. 2016;6(8):1190-204 doi:10.7150/thno.15226