

Supplementary data for article:

Stanić-Vučinić, D.; Prodić, I.; Apostolović, D.; Nikolić, M.; Ćirković-Veličković, T. Structure and Antioxidant Activity of Beta-Lactoglobulin-Glycoconjugates Obtained by High-Intensity-Ultrasound-Induced Maillard Reaction in Aqueous Model Systems under Neutral Conditions. *Food Chemistry* **2013**, *138* (1), 590–599. <https://doi.org/10.1016/j.foodchem.2012.10.087>

1 **Supplementary material**

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4 **Table S1.** Determination of the secondary structure fractions of native BLG and sonicated BLG without
5 and with presence of sugars. Far UV spectra were analyzed by CONTIN software to determine the
6 percentage of β -sheet, α -helical and random coil structures using CDPro software package. For
7 the calculations reference protein base set SP37 was used.

% secondary structures	α - helix	β - sheet	Turn	Random
BLG	11 \pm 5	39 \pm 4	23 \pm 0.9	27 \pm 1
sBLG	14 \pm 5	35 \pm 5	23 \pm 1	27 \pm 0.6
sBLG/Rib	8 \pm 3	41 \pm 4	20.1 \pm 0.8	31 \pm 2
sBLG/Glc	7 \pm 1	40 \pm 2	22 \pm 1	30 \pm 2
sBLG/Gal	7 \pm 2	41.8 \pm 0.6	21.3 \pm 0.2	30 \pm 1
sBLG/Lac	7 \pm 2	41 \pm 2	20 \pm 1	32 \pm 2
sBLG/Ara	7.1 \pm 0.6	42 \pm 2	22 \pm 1	29.4 \pm 0.6
sBLG/Fru	9 \pm 6	39 \pm 7	21.1 \pm 0.3	31 \pm 1

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