

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  $\beta$ -sheet,  $\alpha$ -helical and random coil structures using CDPro software package. For  
7 the calculations reference protein base set SP37 was used.

% secondary structures	$\alpha$ - helix	$\beta$ - 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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