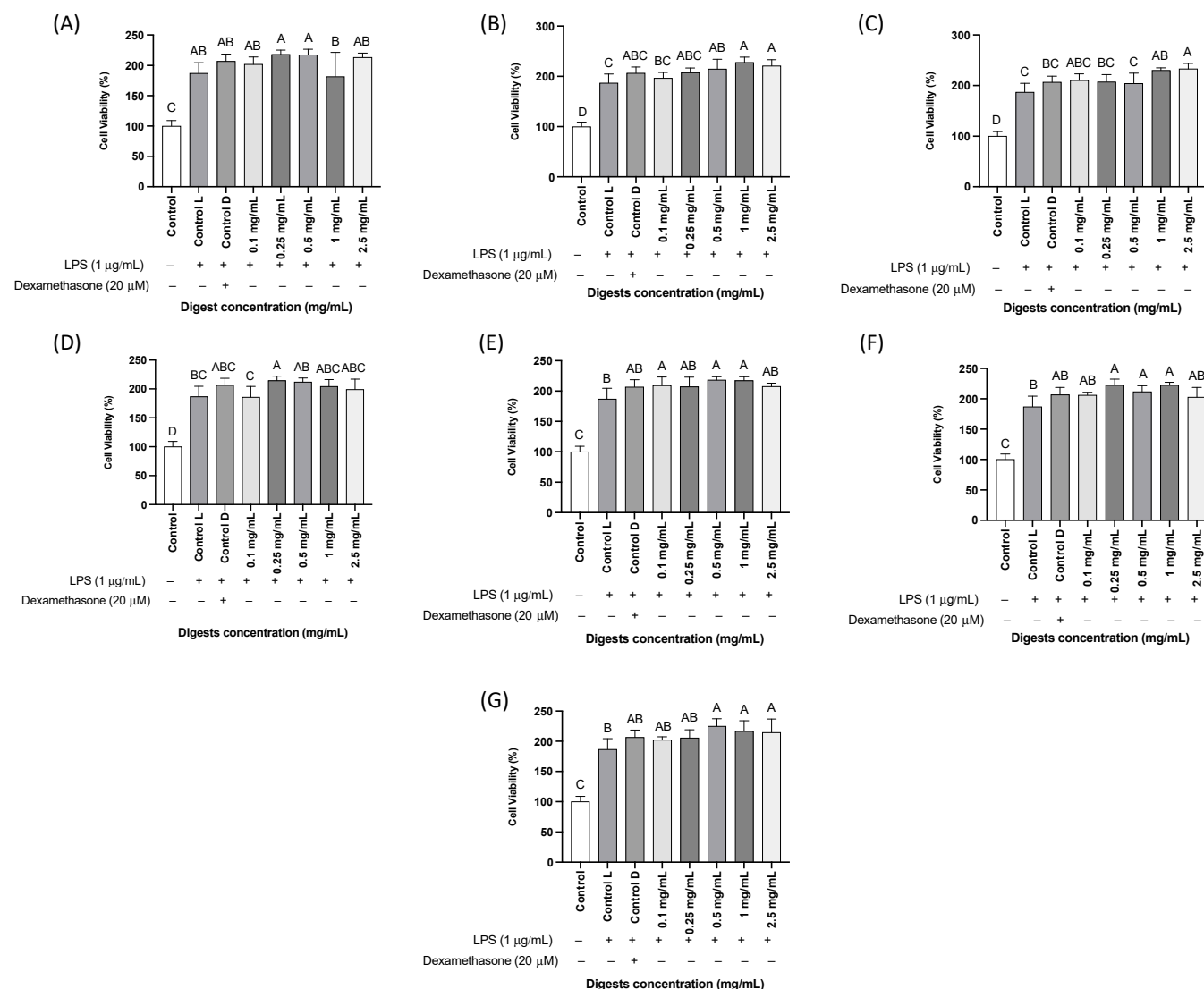


Supplemental Figure S1. The proportion of each protein content expressed as a percentage of total protein content (A) β-conglycinin subunits α and α' (B) Glycinin A5 (C) β-conglycinin β (D) Glycinin A1, 2, 4 (E) Glycinin B1, 2, 4 (F) Kunitz Trypsin Inhibitor (G) LOX (H) Bowman-Birk Inhibitor. Results are arranged from highest to lowest. Bars with different letters represent statistically significant differences according to one-way ANOVA and Tukey's multiple comparison tests ($p < 0.05$).



Supplemental Figure S2. Cell viability of different digests concentrations for the varieties (A) 81, (B) 87, (C) 96, (D) 103, (E) 108, (F) GN1 and (G) GN3. NS = no significance $p > 0.05$. The assay was done at least in duplicates. Data were analyzed using ANOVA (one-way) and Tukey's post hoc test. Bars with different letters represent statistically significant differences ($p < 0.05$)

Supplementary Table S1. Identification of proteins in soybean varieties and their respective approximate molecular weight ranges.

Protein	Molecular Weight (kDa)
Lipoxygenase	90 – 95
β -conglycinin α'	57 – 72
β -conglycinin α	57 – 68
β -amylase	61.5 – 63
β -conglycinin β	45 – 52
Glycinin acidic subunit	10 – 15, 30 – 38, 42 – 44
Kunitz trypsin inhibitor (KTI)	21.5 – 22.5
Glycinin basic subunit	18 – 20
Bowman-Birk inhibitor (BBI)	8 – 10