

Table S1. Germination, dry matter content, protein content, peptidase and oxidoreductase activities, advanced glycation end products content, wet gluten and falling number of wheat varieties at the beginning of storage. Results are presented as mean values \pm SD.

Parameters	Variety	Divana	Žitarka	Srpanjka
Germination (%)		97.00 \pm 1.41	98.00 \pm 0.82	95.75 \pm 1.26
Dry matter content (g/g)		0.86 \pm 0.00	0.86 \pm 0.00	0.86 \pm 0.00
Proteins A (mg/g _{grain dry weight})		11.29 \pm 0.33	9.58 \pm 0.66	8.33 \pm 0.71
Proteins B (mg/g _{grain dry weight})		15.43 \pm 1.70	13.23 \pm 1.03	12.27 \pm 0.93
Arginyl-aminopeptidase (mU/g _{grain dry weight})		25.57 \pm 2.80	21.33 \pm 1.18	16.78 \pm 1.48
Phenylalanyl-aminopeptidase (mU/g _{grain dry weight})		36.28 \pm 1.54	30.55 \pm 2.21	25.38 \pm 1.52
Carboxypeptidase (mU/g _{grain dry weight})		20.78 \pm 0.73	25.70 \pm 3.55	30.99 \pm 1.27
Aspartic proteinase (U/g _{grain dry weight})		0.42 \pm 0.03	0.47 \pm 0.03	0.41 \pm 0.02
Catalase (U/g _{grain dry weight})		7.61 \pm 0.38	8.66 \pm 0.26	7.73 \pm 0.46
Glutathione reductase (mU/g _{grain dry weight})		76.04 \pm 2.08	76.87 \pm 2.79	65.25 \pm 3.95
Guaiacol peroxidase (U/g _{grain dry weight})		2.82 \pm 0.11	2.70 \pm 0.06	2.02 \pm 0.08
Polyphenol oxidase (mU/g _{grain dry weight})		66.95 \pm 2.74	36.46 \pm 4.47	11.57 \pm 1.06
Advanced glycation end products/Fast index (%)		0.61 \pm 0.01	1.19 \pm 0.02	1.03 \pm 0.15
Wet gluten content (%)		34.70 \pm 0.10	32.43 \pm 0.06	23.97 \pm 0.60
Falling number (s)		282.80 \pm 5.89	341.40 \pm 8.47	322.00 \pm 7.62