

Table 1 Suppl. Analysis of variance for different antioxidant components. *, **, *** - significant differences at probabilities of $P < 0.001$, 0.01, and 0.05, respectively; ns - not significant ($P \geq 0.05$). GPOD - guaiacol peroxidase, APX - ascorbate peroxidase, CAT - catalase, PPO - polyphenol oxidase, MDA - malondialdehyde, PHE - phenol, Df – degrees of freedom.

Source of variation	Df	GPOD	APX	CAT	PPO	MDA	H ₂ O ₂	PHE
Cultivar (V)	2	6.940 ***	0.148 ***	367.9 ***	0.061 ***	7.073 ***	3399 ***	0.209 ***
Treatment (T)	1	0.039 ns	0.012 ns	83.0 ns	0.015 ***	0.335 ***	6 ns	0.209 ***
Sampling time (ST)	2	5.604 ***	0.014 ns	65.3 ns	0.133 ***	1.184 ***	6202 ***	0.737 ***
V×T	2	0.381 ns	0.110 ***	59.1 ns	0.004 ns	1.156 ***	2495 ***	0.239 ***
V×ST	4	2.834 ***	0.194 ***	203.5 ***	0.026 ***	0.579 ***	11480 ***	0.229 ***
T×ST	2	0.197 ns	0.057 ns	0.6 ns	0.011 ns	0.424 ***	6255 ***	0.247 ***
V×T×ST	4	2.020 ***	0.088 ***	122.4 ***	0.001 ns	0.156 ***	2435 ***	0.232 ***
Error	48	0.433	0.019	24.9	0.004	0.049	156	0.011

Table 2 Suppl. Eigenvalues, variance, and cumulative variance of the first five principal component (PC) analysis components.

PC	Eigenvalues	Variance [%]	Cumulative variance [%]
1	2.32	33.14	33.14
2	1.43	20.47	53.60
3	1.10	15.69	69.29
4	0.94	13.36	82.65
5	0.63	9.00	91.66

Table 3 Suppl. Contribution of changes in different antioxidant components into total variation of principal components (PCs). For the abbreviations - see Table 1 Suppl.

Parameter	PC 1	Parameter	PC 1	Parameter	PC 2	Parameter	PC 2
MDA	0.80	PHE	-0.35	H ₂ O ₂	0.55	APX	-0.77
PPO	0.78			MDA	0.42	CAT	-0.42
GPOD	0.68			GPOD	0.39		
CAT	0.66						

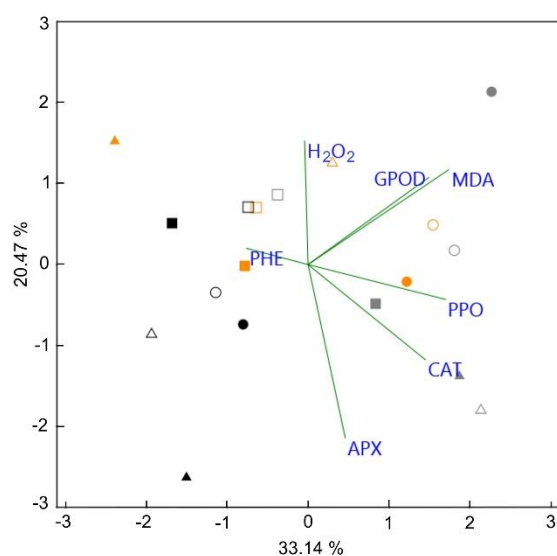


Fig. 1 Suppl. Principal component analysis of variability of antioxidant components in the ears of different wheat cultivars at 0, 1, and 2 h after inoculation in naturally infected and *Fusarium* inoculated plants. Orange colour - cv. Apache, grey colour - cv. Bezostaya1, black colour - cv. U1; ● – 0 hours after inoculation, ▲ - 1 hour after inoculation, ■ - 2 hours after inoculation; open symbols - naturally infected plants, filled symbols - *Fusarium* inoculated plants.