Table S1: Characteristics of the primers used.

gene	glucose 6-phosphate dehydrogenase	Glutamate Cysteine Ligase
abbreviation	CsG6PD	CsGCL
gene ID	Csa_2G034760/XM_004144692.2	Csa_5G153150/NM_001305697.1
forward primer	TCTGCCACTTTAACTTGCCGT	TCAATTTGAACTTAGTGGTGCCCC
reverse primer	TGCCTCTCAATCTGCTCCATCA	ATCGTCCCTTGGGCATTATAGGT
Tm	60,48/61,49	61,53/61,27
source	home-made	home made
amplicon	152	176
remarks:	intron spanning	intron spanning

Table 2S:**Housekeeping gene**	EF1α
abbreviation	EF1α
gene ID	Csa_2G139820/XM_004138916.2
forward primer	CCGTGATATGCGTCAAACCGT
reverse primer	CTCAATGACACAACGCAGGCT
Tm	61,33/61,48
source	home made
amplicon	135
remarks:	specific, but not exon_intrnon junction or intron spanning

Table S2. Results from the ANOVA analysis of the *G6PD и GCL* gene expression measurement. Var1 – control plants grown at 25 ^{0}C, without supplementation with PH (25 ^{0}C); Var2 – plants cultivated at 25 ^{0}C, with addition of Naturamin WSP (25 ^{0}C + PH); Var3 – stressed plants at 10 ^{0}C, without PH treatment (10 ^{0}C); Var4 – plants grown at 10 ^{0}C and supplemented with the biostimulant (10 ^{0}C + PH).

Target	df	P-Value ANOVA	P-Value BH	Contrast	Ratio	Lower Bound (95%)	Upper Bound (95%)	P-Value Tukey	Significant
G6PD	3	0,0000570	0,0001711						Yes
				var1 - var2	0,44634	0,18979281	1,04967309	0,06458740	No
				var1 - var3	0,17496	0,07439513	0,41145164	0,00082840	Yes
				var1 - var4	0,07493	0,03186186	0,17621604	0,00004944	Yes
				var2 - var3	0,39198	0,16667773	0,92183224	0,03264786	Yes
				var2 - var4	0,16788	0,07138455	0,39480127	0,00070661	Yes
				var3 - var4	0,42828	0,18211239	1,00719556	0,05192575	No
GCL	3	0,0023939	0,0035909						Yes
				var1 - var2	0,48765	0,13927438	1,70744968	0,32530323	No
				var1 - var3	0,12819	0,03661274	0,44885792	0,00342565	Yes
				var1 - var4	0,16042	0,04581543	0,56167933	0,00690665	Yes
				var2 - var3	0,26288	0,07507972	0,92044813	0,03715703	Yes
				var2 - var4	0,32896	0,09395117	1,15180477	0,08324444	No
				var3 - var4	1,25135	0,35738902	4,38145036	0,93741933	No