

Supplementary Table S5 Some differentially expressed genes in oat leaves at AS vs CK, and SS vs CK

Function	Gene ID	Gene name	Description	Fold Change		Log ₂ Fold Change		Regulated	
				SS/CK	AS/CK	SS/CK	AS/CK	SS/CK	AS/CK
Chlorophyll synthesis	TRINITY_DN13532_c0_g1_i6.path1	<i>CHLH</i>	Magnesium-chelatase subunit ChlH	0.688	0.042	-0.54	-4.587	No Significant	down
	TRINITY_DN15980_c0_g1_i1.path1	<i>chlB</i>	Protochlorophyllide reductase B	1.077	0.177	0.107	-2.5	No Significant	Down
	TRINITY_DN17549_c0_g3_i6.path1	<i>HEMD</i>	uroporphyrinogen-III synthase	1.048	0.3	0.067	-1.737	No Significant	Down
	TRINITY_DN19318_c0_g1_i5.path1	<i>PPO</i>	Protoporphyrinogen oxidase	1.233	0.443	0.303	-1.174	No Significant	Down
Antioxidation	TRINITY_DN25460_c0_g2_i3.path1	<i>MnSOD</i>	Superoxide dismutase [Mn]	1.28	2.185	0.356	1.128	No Significant	Up
	TRINITY_DN3580_c0_g1_i2.path2	<i>CuZn SOD</i>	Superoxide dismutase [Cu-Zn] 4AP	2.848	5.527	1.51	2.466	Up	Up
Growth	TRINITY_DN37773_c0_g1_i1.path1	<i>VLN3</i>	Villin-3	0.664	0.407	-0.59	-1.296	No Significant	Down