

Supplementary data

Proteomic analysis of leaves of different wheat genotypes subjected to PEG 6000 stress and rewatering

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Table S1. See the supplementray Excel sheet.

Table S2. Overview of differentially expressed proteins.

Treatment	Cultivar	
	Qingchun38(sensitive cultivar)	Abbondanza(resistant cultivar)
PEG6000	downregulated 1. PREDICTED: transketolase, chloroplastic -like 2. Ribulose biphosphate carboxylase large chain 4. predicted protein	downregulated 25. predicted protein 26. glyceraldehyde-3-phosphate dehydrogenase 27. ribulose-1,5-bisphosphate carboxylase /oxygenase activase small isoform
	upregulated 5. ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit 6. ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit 7. ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit 8. ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit 9. ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit 10. PREDICTED: elongation factor Tu, chloroplastic-like 11. PREDICTED: glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic-like 12. ribulose 1,5-bisphosphate carboxylase 13. hypothetical protein SORBIDRAFT_01g002140 14. 26s proteasome non-ATPase regulatory subunit	upregulated 28. methionine synthase 29. ATP synthase CF1 beta subunit 30. ATP synthase beta subunit 31. ketol-acid reductoisomerase 32. ribulose-1,5-bisphosphate carboxylase
Re-watering	downregulated 15. PREDICTED: transketolase, chloroplastic-like 17. ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit 18. ribulose-1,5-bisphosphate carboxylase/oxygenase 19. chloroplast inositol phosphatase-like protein 20. predicted protein	downregulated 33. predicted protein 34. small subunit of ADP-glucose pyrophosphorylase 35. fructose-1,6-bisphosphatase, cytosolic,putative,expressed 36. cysteine synthasel

upregulated	upregulated
21. Ribulose biphosphate carboxylase large chain	37. ribulose-1,5-bisphosphate carboxylase large
22. vacuolar proton-ATPase subunit A	subunit
23. ribulose-1,5-bisphosphate carboxylase/oxygenase large	
subunit	
24. ferredoxin-NADP(H) oxidoreductase	

Table S3. The composition of Hoagland nutrient solution.

composition	Concentration (mg L ⁻¹)
Ca(NO ₃) ₂ ·4H ₂ O	945
KNO ₃	506
NH ₄ NO ₃	80
KH ₂ PO ₃	136
MgSO ₄	493
FeSO ₄ ·7H ₂ O	13.9
C ₁₀ H ₁₄ N ₂ Na ₂ O ₃	18.65
KNO ₃	0.83
H ₃ BO ₃	6.2
MnSO ₄	22.3
ZnSO ₄	8.6
Na ₂ MoO ₄ ·2H ₂ O	0.25
CuSO ₄	0.025
CoCl ₂ ·6H ₂ O	0.025