
Drought Stress Triggers the Proteomic Changes Involved in Lignins, Flavonoids and Fatty Acids in Tea Plants

Honglian Gu¹, Yu Wang¹, Hui Xie¹, Chen Qiu¹, Shuning Zhang¹, Jun Xiao², Hongyan Li³, Liang Chen⁴, Xinghui Li⁵, Zhaotang Ding^{1,*}

1 Tea Research Institute, Qingdao Agricultural University, Qingdao, Shandong266109, China.

2 School of Biological Science and Winery Engineering, Taishan University, Tai'an, Shandong271000, China.

3 Haiyang fruit technology promotion station, Yantai, Shandong265100, China.

4 Tea Research Institute, Chinese Academy of Agricultural Sciences, Hangzhou, Zhejiang310008, China.

5 Tea Research Institute, Nanjing Agricultural University, Nanjing, Jiangsu210095, China.

guhongliantea@163.com (H.G.); wangyutea@163.com (Y.W.); xiehuitea@163.com (H.X.); qiuchentea@163.com (C.Q.); zhangshuningtea@163.com (S.Z.); xiaojun8299@163.com (J.X.); sunmijia0710@163.com (H.L.); liangchen@tricaas.com (L.C.); lkh@njau.edu.cn (X.L.).

*Correspondence: dzteat@163.com; Tel: +86-15853260396

Supplementary Table S1. MS/MS spectrum database search analysis summary

Total spectrums	Matched spetrum	Peptides	Unique peptides	Identified proteins	Quantifiable proteins
244124	51213	25805	23854	4789	4242

Table 2. Differentially expressed protein summary (Filtered with threshold value of expression fold change and P vlaue < 0.05)

Compare group	Regulated type	fold change >1.5
	up-regulated	11
DT/CK	down-regulated	100