

Plant Drought Responses - Dicots

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Chart can be viewed on the internet at www.gardnarlabs.com/drought.html

Conservation information is available at www.gardnarlabs.com/drought.html

Protein ubiquitination

The E3 complex (E2 + ubiquitin) is the primary determinant of substrate specificity in the ubiquitin-proteasome system. E3s can be categorized into three groups: 1) RING domain E3s, 2) UBR1-like E3s, and 3) UBR2-like E3s. RING domain E3s are the most common and are involved in a wide range of cellular processes. UBR1-like E3s are involved in the ubiquitination of transcription factors and other proteins. UBR2-like E3s are involved in the ubiquitination of transcription factors and other proteins.

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Other genes or proteins up-regulated by drought or involved in drought stress signaling but not yet included in pathways:

- ABF1: ABF1 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF2: ABF2 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF3: ABF3 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF4: ABF4 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF5: ABF5 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF6: ABF6 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF7: ABF7 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF8: ABF8 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF9: ABF9 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF10: ABF10 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF11: ABF11 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF12: ABF12 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF13: ABF13 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF14: ABF14 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF15: ABF15 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF16: ABF16 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF17: ABF17 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF18: ABF18 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF19: ABF19 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.
- ABF20: ABF20 is a transcription factor that is induced by ABA and drought. It binds to the ABA response element (ABRE) and activates the transcription of ABA-responsive genes.

