

# Supplementary Data

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## Expression, purification and DNA-binding properties of zinc finger domains of DOF proteins from *Arabidopsis thaliana*

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	DOF domain
Arabidopsis-AtDOF3.4 (Q39088)	QQEQLPCPRCDSSNTKFCYNNYNSLQPRHFCKACRRYWTHGGTLRDVFPVGGGTRK----96
Arabidopsis-AtDOF5.8 (Q9FGD6)	QQEQLSCPRCESTNTKFCYNNYNSLQPRHFCKSCRRYWTHGGTLRDI PVGGVSRK----97
Arabidopsis-AtDOF2.1 (Q8LE43)	GGEAQNCPRCESPNTKFCYNNYNSLQPRYFCKSCRRYWTKGGTLRNVPVGGGCRK---113
Maize-MNB1A (P38564)	VGEGDPCPRCASRDTKFCYNNYNTS QPRHFCKGCRRYWTKGGTLRNVPVGGGTRK---125
Maize-PBF (O24463)	LPEALKCPRCDSSNTKFCYNNYSMSQPRYFCKACRRYWTHGGTLRNVPVGGGCRK----95
Pigeonpea-CcDOF (A0A0K8K646)	PQQQKQKPRCDSSMTKFCYFNNYSLQPRHFCKTCKRYWTHGGTFRNI PVGGGSRK---102
Pigeonpea-CcDOF (A0A0K8K636)	PQQQKQKPRCDSSNTKFCYNNYNSLQPRYFCKTCKRYWTQGGTLRNVPVGGGCRK----94
Pigeonpea-CcDOF (A0A0K8K648)	NHQALKCPRCDLNTKFCYNNYNSLQPRHFCKNCRRYWTKGGVLRNVPVGGGCRK---106
Sorghum-SbDOF27 (R4NG43)	EPEGLPCPRCESVNTKFCYNNYNSLQPRYFCKTCKRYWTRGGALRNVPVGGNTRK---104
Sorghum-SbDOF24 (E6PBM6)	LAEALRCPRCNSNTKFCYNNYNTMQPRYFCKGCRRYWTHGGTLRNVPVGGGCRK---163
Sorghum-SbDOF23 (C5WWR6)	PDKILPCPRCNSMTKFCYNNYNSLQPRHFCKNCQRYWTAGGAMRNVPVGGGRK---107
Sorghum-SbDOF19 (E6PBM6)	LAEALRCPRCNSNTKFCYNNYNSLQPRYFCKGCRRYWTHGGALRNVPVGGGCRK---104
Tobacco-NaDOF2.5 (A0A1J6IT59)	KDQAINCPRCNSSTNTKFCYNNYSLTQPRYFCKTCKRYWTEGGTLRNVPVGGGSRK---121
Tobacco-NaDOF5.6 (A0A1J6I6T8)	HDQPLKPCPRCDSTHTKFCYNNYNSLQPRYFCKSCRRYWTKGGTLRNI PVGGGCRK----93
Tobacco-NaDOF1.6 (A0A1J6IGB2)	EPENLPCPRCDSTNTKFCYNNYNSLQPRHFCKSCRRYWTRGGTLRNI PVGGGTRK----87
Tobacco-NaDOF1.7 (A0A1J6K6P9)	EQEILKPCPRCDSSNTKFCYNNYNSLQPRHFCKNCRRYWTKGGTLRNI PVGGASRK---106
Anthurium-AaDOF2.1 (A0A1D1YVB2)	PEEALRCPRCDSTNTKFCYNNYNSLQPRYFCKGCRRYWTKGGTLRNVPVGGGCRK---187
Anthurium-AaDOF4.6 (A0A1D1XWV9)	REQLGCPCHSTNTKFCYNNYNSLQPRYFCKTCKRYWTEGGTLRNVPVGGGRKA---147
Barley-HvDOF2 (A5HWF1)	KEKAINCPRCNSSTNTKFCYNNYNSLQPRYFCKTCKRYWTEGGSLRNVPVGGGSRK---102
Barley-HvDOF10 (A5HWF9)	VEVAPNCPRCDSPNTKFCYNNYNSLQPRYFCKGCRRYWTKGGSLRNVPVGGGCRK---164
Barley-HvDOF17 (A5HW93)	AAAPLPCPRCSRSTKFCYFNNYNSLQPRHFCKACHRYWTAGGALRNVPVGGGRK---207
Barley-HvDOF1 (A5HWF0)	PEPGLKPCPRCESTNTKFCYFNNYNSLQPFHFCRTCKRYWTRGGTLRNVPVGGGCRK---121
Apple-MdDOF (D9ZIX8)	HEQALKCPRCDSTHTKFCYNNYNSLQPRYFCKTCKRYWTKGGTLRNI PVGGGCRK---108
Apple-MdDOF (D9ZIX6)	PEQALKCPRCDSTNTKFCYNNYNSLQPRYFCKSCRRYWTKGGTLRNVPVGGGCRK----88
Apple-MdDOF (D9ZII6)	KDQALNCPRCNSSTTKFCYNNYNSLQPRYFCKTCKRYWTEGGSLRNVPVGGGSRK---133

**Figure S1.** Sequence alignment of selected DOF-ZF domains. A) Alignment of the DOF-ZF domains of *A. thaliana* DOF3.4, DOF5.8, and DOF2.1 with a number of DOF domains from other species shows high sequence similarity across the DOF family. The UniProt ID of each protein sequence is given inside the bracket.