

Supplementary Data

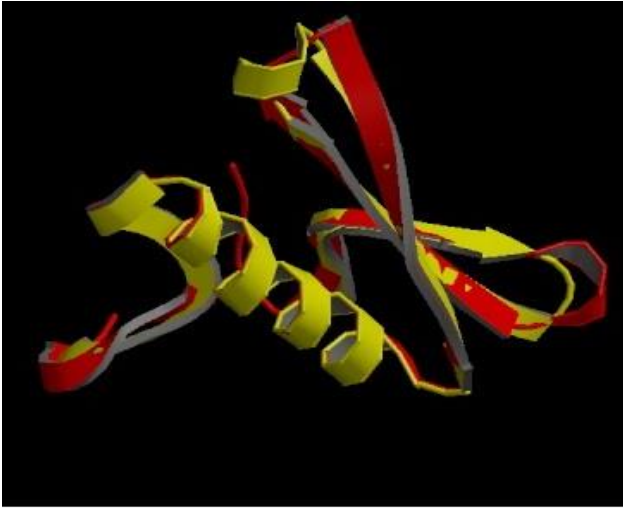
Isolation and characterization of Dehydration-Responsive Element-Binding Factor 2 (DREB2) from Indian wheat (*Triticum aestivum* L.) cultivars

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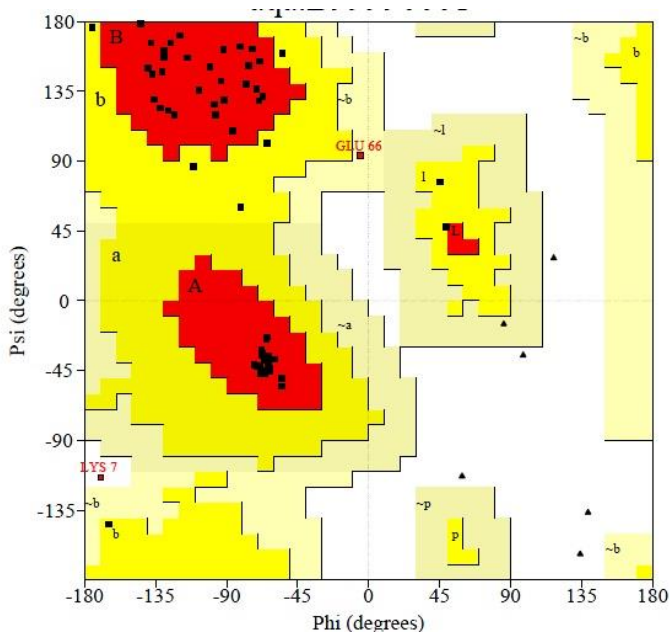
Supplementary Table 1. Physicochemical Parameters computed using Expsy's ProtParam tool.

Indian wheat cultivar	Accession No	Length	M. wt*	pI*	EC*	II*	AI*	GRAVY	RPSP %
GW322	JN191710	157	17078.1	9.71	32095	52.77	49.30	-0.927	91.1
PBW343	JN191708	160	17450.5	9.84	31970	47.94	45.94	-1.011	83.3
MACS2496	JN191706	157	17140.1	9.88	27960	48.67	43.69	-1.089	84.0
HUW468	JN191709	160	17450.5	9.84	31970	47.94	45.94	-1.011	83.3
HD2733	JN191707	158	17234.3	9.93	32220	45.98	46.52	-0.997	79.2
Raj3765	JF728300	101	11230.6	10.37	25105	45.75	45.54	-1.186	58.5
HD2781	JF728298	152	16482.2	9.63	26595	52.12	45.13	-1.030	92.9
HD2932	JF728296	73	8246.3	10.39	18115	49.90	29.45	-1.642	84.2
PBW175	JF728301	93	10296.7	10.68	18115	42.72	42.04	-1.310	68.5
NI5439	JF728299	144	15643.4	10.07	26595	47.99	46.25	-1.010	82.5
Raj4037	JF728297	149	16162.1	9.92	26595	49.31	43.42	-1.054	81.2
C306	HQ840655	150	16194.9	9.63	26595	53.46	43.13	-1.026	94.1
AKW381	HQ840651	153	16610.5	9.83	26595	49.54	42.29	-1.095	86.2
WH147	HQ840654.	152	16451.3	9.78	26595	52.33	42.57	-1.064	90.1
HUW234	HQ840652	153	16610.5	9.83	26595	49.54	42.29	-1.095	86.2

*Molecular weight (M. wt), Extinction coefficients (EC), Instability index (II), Aliphatic index (AI), Recombinant Protein Solubility Prediction (RPSP)



Supplementary Fig 2: Superimposition of target 1GCC from *A.thaliana* (yellow) and template TaDREB2 (Red) structure using SUPERPOSE program.



Supplementary Fig 3: Quality assessment of 3D model of DREB2 evaluated by Ramachandran plot.