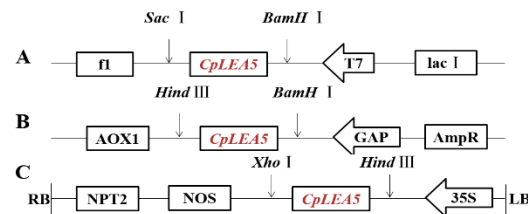


# Supplementary Materials: *CpLEA5*, the Late Embryogenesis Abundant Protein Gene from *Chimonanthus praecox*, Possesses Low Temperature and Osmotic Resistances in Prokaryote and Eukaryotes

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**Table S1.** Percent identity matrix for strains presented in Figure 1 was performed by alignment program of Clustal Omega [43].

Strain	% Identity									
	<i>Z. mays</i>	<i>O. sativa</i>	<i>C. sinensis</i>	<i>C. unshiu</i>	<i>T. cacao</i>	<i>R. communis</i>	<i>C. praecox</i>	<i>N. nucifera</i>	<i>S. nigrum</i>	<i>N. tabacum</i>
<i>Z. mays</i>	100.00	67.78	35.71	35.71	38.82	38.82	40.51	36.90	45.57	40.74
<i>O. sativa</i>	67.78	100.00	38.10	38.10	45.24	42.35	43.04	38.82	43.59	41.98
<i>C. sinensis</i>	35.71	38.10	100.00	97.94	61.46	61.29	50.00	53.68	48.35	52.13
<i>C. unshiu</i>	35.71	38.10	97.94	100.00	60.42	60.22	47.73	52.63	46.15	50.00
<i>T. cacao</i>	38.82	45.24	61.46	60.42	100.00	64.58	46.74	50.51	47.87	48.96
<i>R. communis</i>	38.82	42.35	61.29	60.22	64.58	100.00	43.18	50.53	42.22	50.54
<i>C. praecox</i>	40.51	43.04	50.00	47.73	46.74	43.18	100.00	53.26	41.18	42.22
<i>N. nucifera</i>	36.90	38.82	53.68	52.63	50.51	50.53	53.26	100.00	51.09	54.74
<i>S. nigrum</i>	45.57	43.59	48.35	46.15	47.87	42.22	41.18	51.09	100.00	67.39
<i>N. tabacum</i>	40.74	41.98	52.13	50.00	48.96	50.54	42.22	54.74	67.39	100.00



**Figure S1.** Construction of *CpLEA5*-containing Transformation Vectors. **(A)** The pET-32a::*CpLEA5* vector used for prokaryotic expression; **(B)** The pRUL129::*CpLEA5* vector used for yeast expression; **(C)** T-DNA map of the pTEV7::*CpLEA5* binary vector to transform plants. GAP: GAP promoter; 35S: CaMV 35S promoter; T7: T7 promoter; f1: f1 origin; lac I, lac I coding sequence; NOS, NOS terminator; AmpR, ampicillin resistance gene; NPT2, kanamycin resistance gene.