

**Table 1.** Primers for qRT-PCR analysis.

ID	Gene	Left Primer	Right Primer	Tm	GC%	Product size(bp)
TraesCS3A02G254600	TaDehydrin-1	TACGCTTATGAGGGCATGGTCGGCAGTG	TTCTTCCTCTGCCTCCCGCCTTGC	60	45	164
TraesCS3B02G286600	TaDehydrin-3	GGCGACCAGATCCAGCCCACCAAAGA	TCTTCCTCTGCCTCCCGCCTTGCCCGTCATCCTC	60	61	124
TraesCS3D02G255500	TaDehydrin-5	CGGCGACCAGATCCAGCCCACCAA	TTCTTCCTCTGCCTCCCGCCTGCCCCTCAT	68	45	126
TraesCS4A02G250900	TaDehydrin-7	TCGGCATCCAGTTGACAACTCAATT	GCCATCGCTTACGGACTGCTTGCTG	60	55	90
TraesCS2A02G449700	TaLEA1-1	CGCGGCGACCACGCACGGCGAAAAG	AGATGTACTTCTCCGCCCGGGTG	60	45	233
TraesCS2B02G471500	TaLEA1-3	CGGCCGAGGTGCAGGGCAAGGCGGG	CGGGTACGCGGGGTGAGGGCCACA	60	36	277
TraesCS4A02G129100	TaLEA4-13	CACCGCAAGGGCAAGATGTGAGCG	GACGGCATGGATGGCAGAGAACG	59	45	108
TraesCS1B02G237400	TaLEA5-1	AGCATCAGGCAATCACAAAGCAACA	GTCGGCGAGGTGCTCCTGCGCCTCG	60	45	215
TraesCS1D02G225800	TaLEA5-3	CACAGAACACCAACAGCAGTCGCATACC	TCTCCCCCTCGCGGGCCATGCGGTC	56	43	149
TraesCS3B02G166400	TaLEA5-4	GGAGGGCGAGACCGTCATCAAGAGC	CTCGAGCTTCTCTCGTCCGGCTCG	62	60	172
TraesCS4A02G030600	TaSMP-1	ACGTGCTCTCGAATGCAACGGCGAA	GCCTCACCGTCTTGTCGTCTGTTTCG	63	55	114
TraesCS4A02G030700	TaSMP-2	ATGTGCCCTTCGTGATTGCTGATG	AATGTAGATGATGCCACGCTCTGCA	60	58	140
Ta54225	TaACTIN1	GTTCTACAACGAGCTCCGTGTC	GACATACATTGCTGGGCAAC	56	55	185

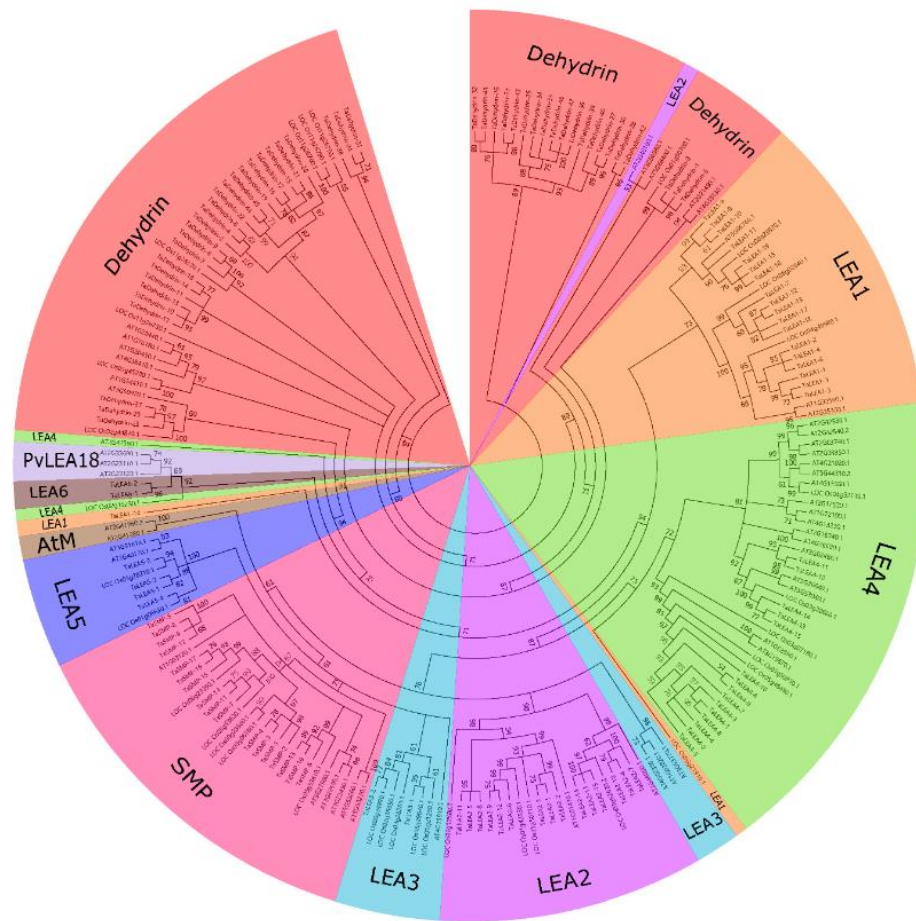
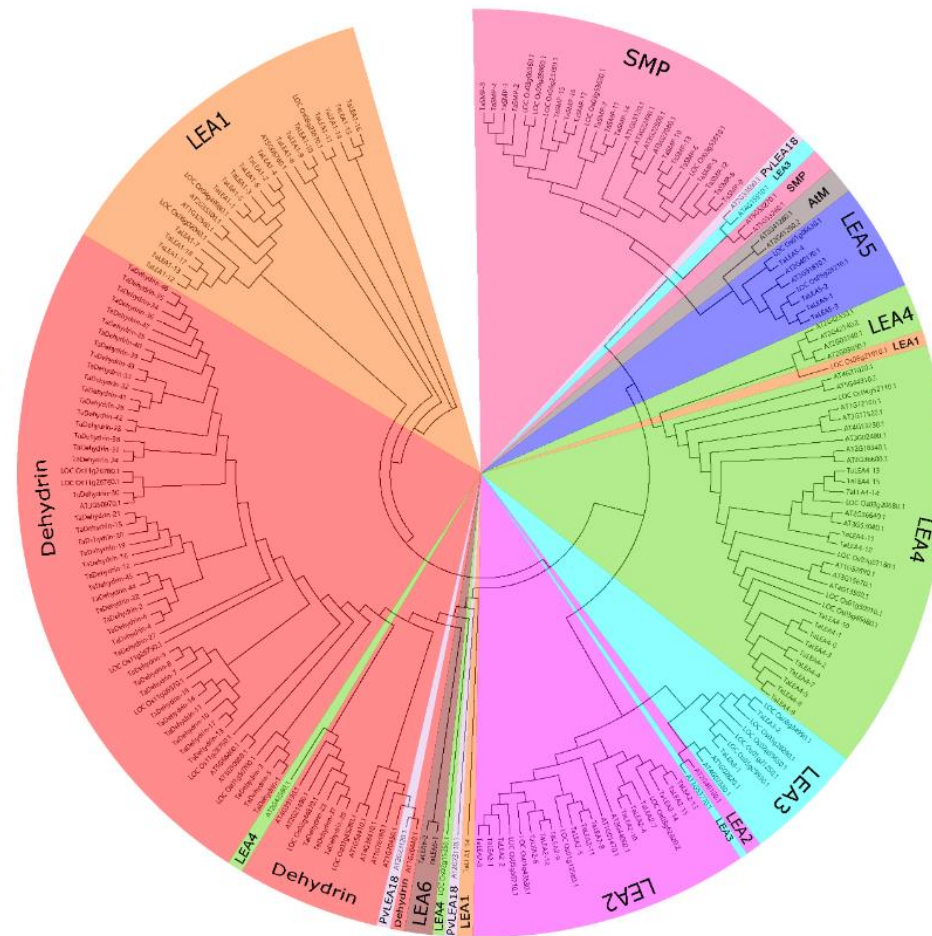


Figure S1. Phylogenetic analysis of LEA proteins among wheat (121), Arabidopsis (51) and rice (34) (by ML method).



**Figure S2.** Phylogenetic analysis of LEA proteins among wheat (121), Arabidopsis (51) and rice (34) (by MP method).

