

Figure S1. Experiment design.

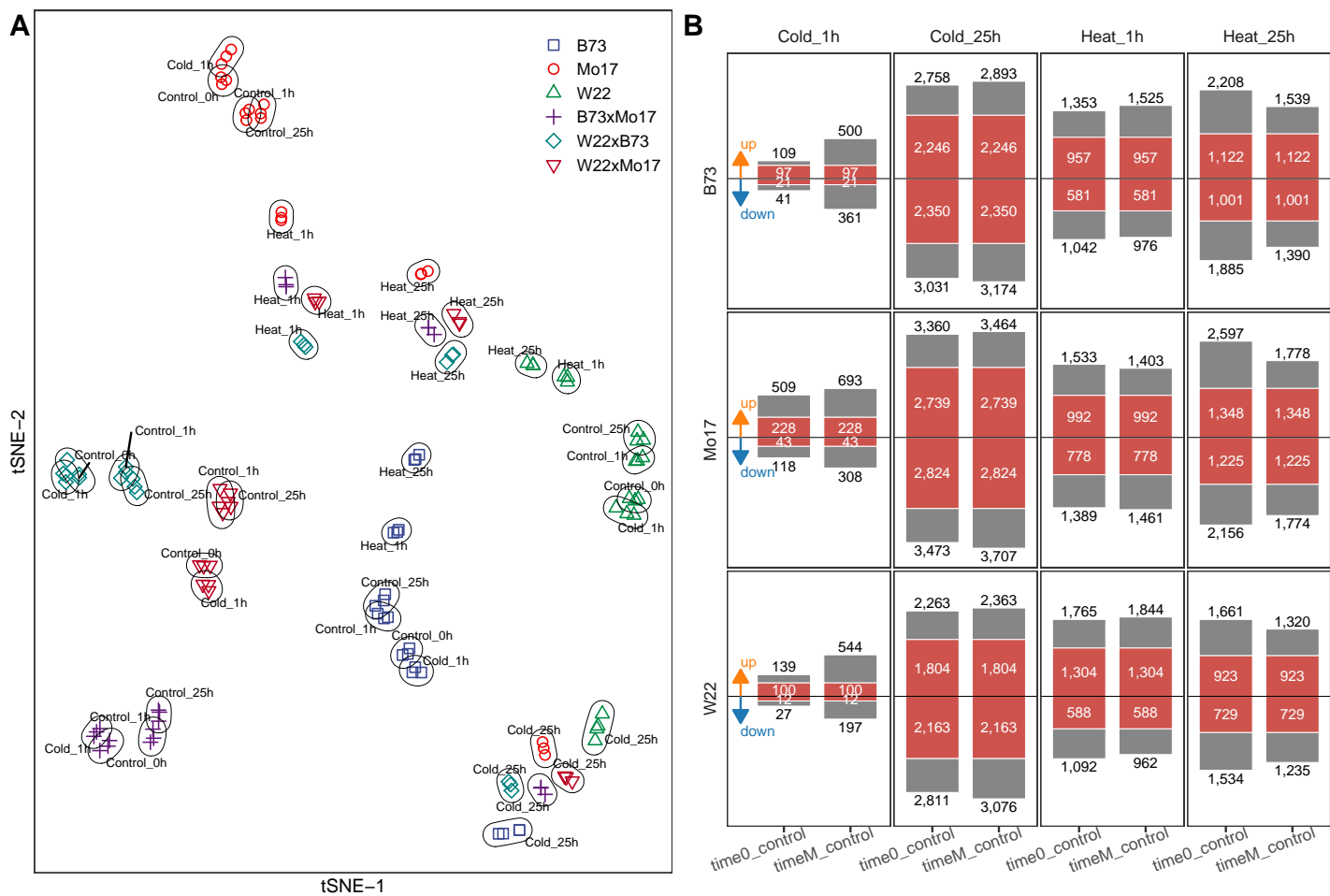


Figure 1. (A) t-SNE clustering of samples from the HY experiment under control, cold and heat conditions; (B) Identification of differentially expressed genes (DEGs) under cold and heat conditions at 1 and 25 hour time points.

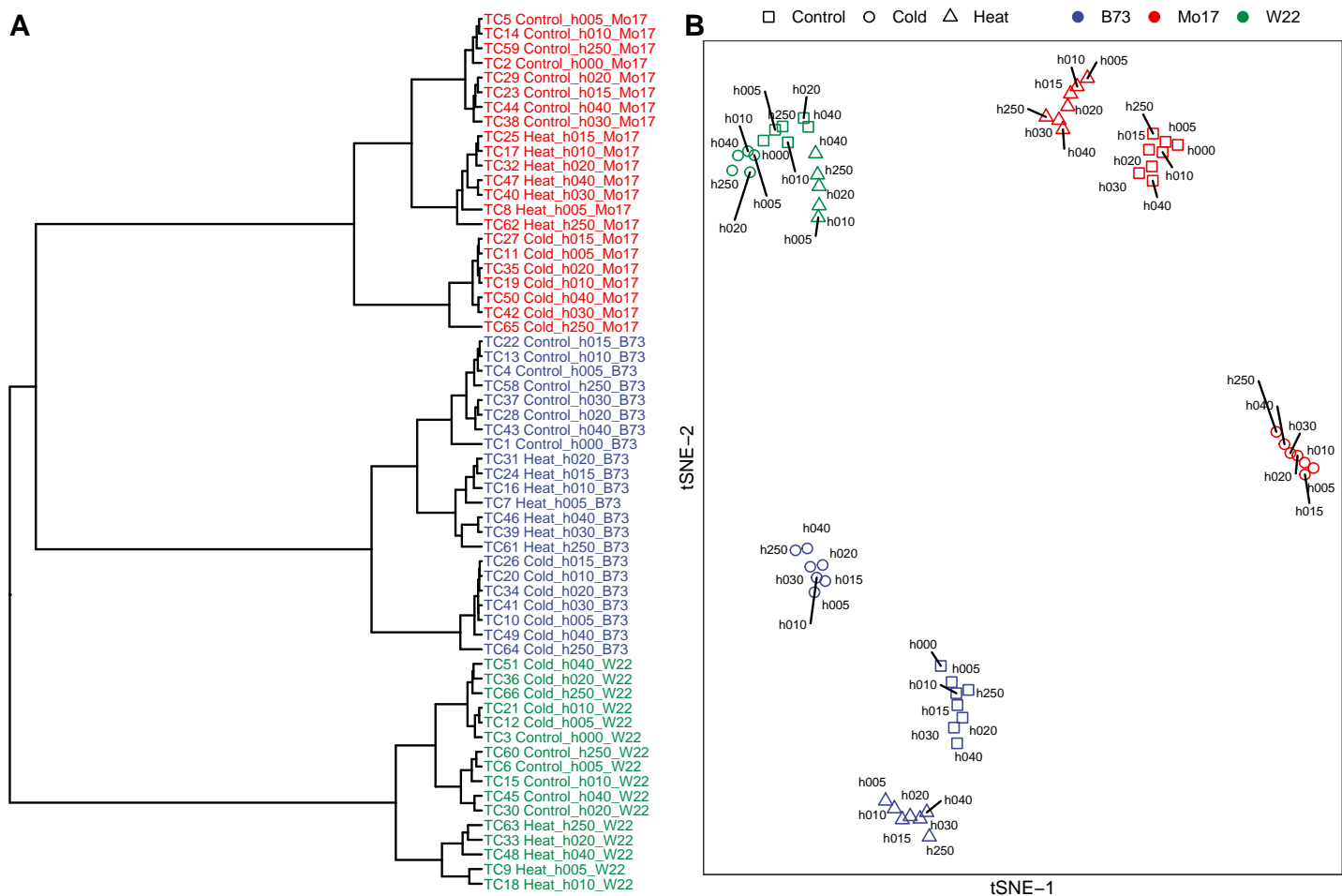


Figure S2. Hierarchical (A) and t-SNE (B) clustering of all samples from the TC experiment under control, cold and heat conditions.

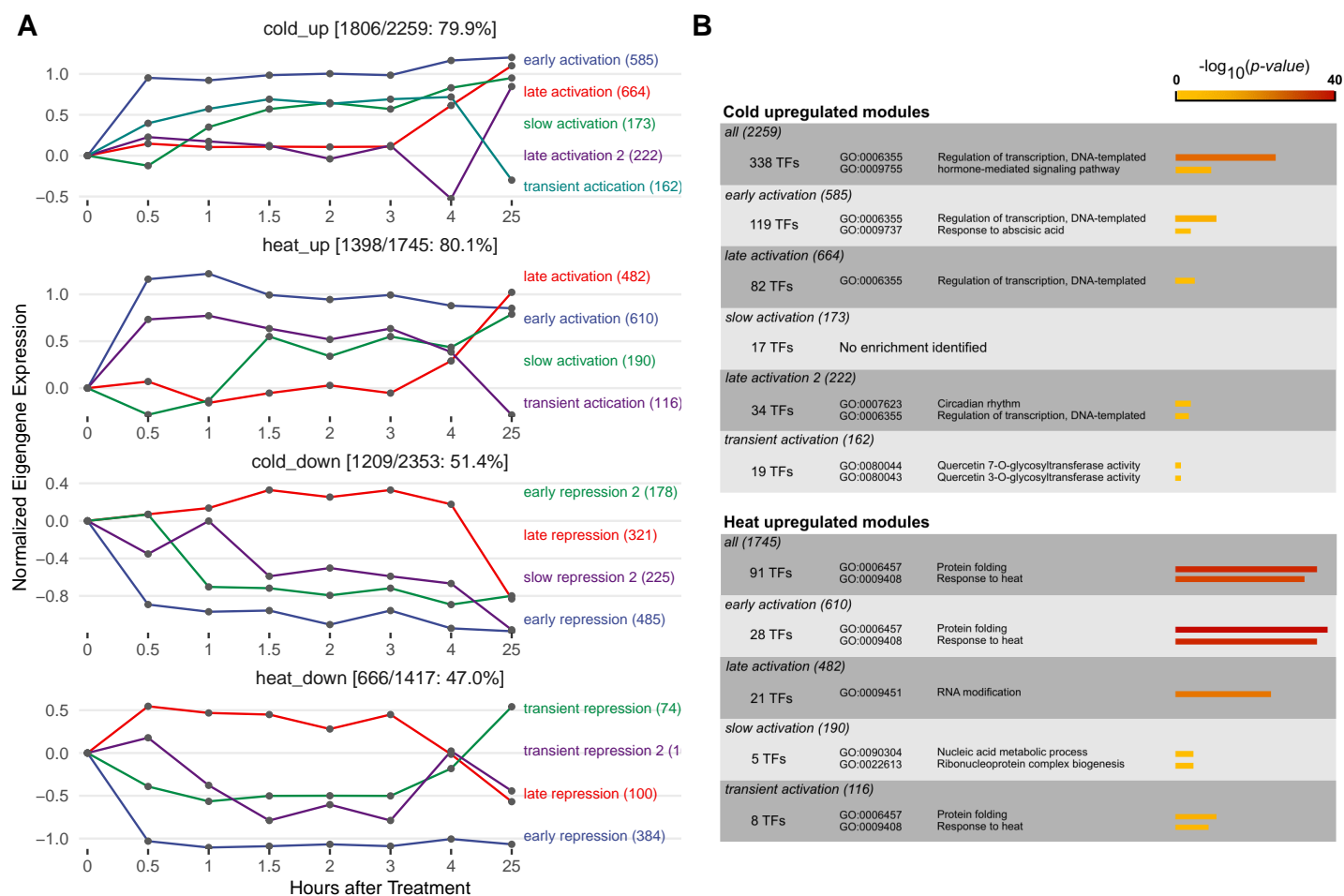


Figure 2.

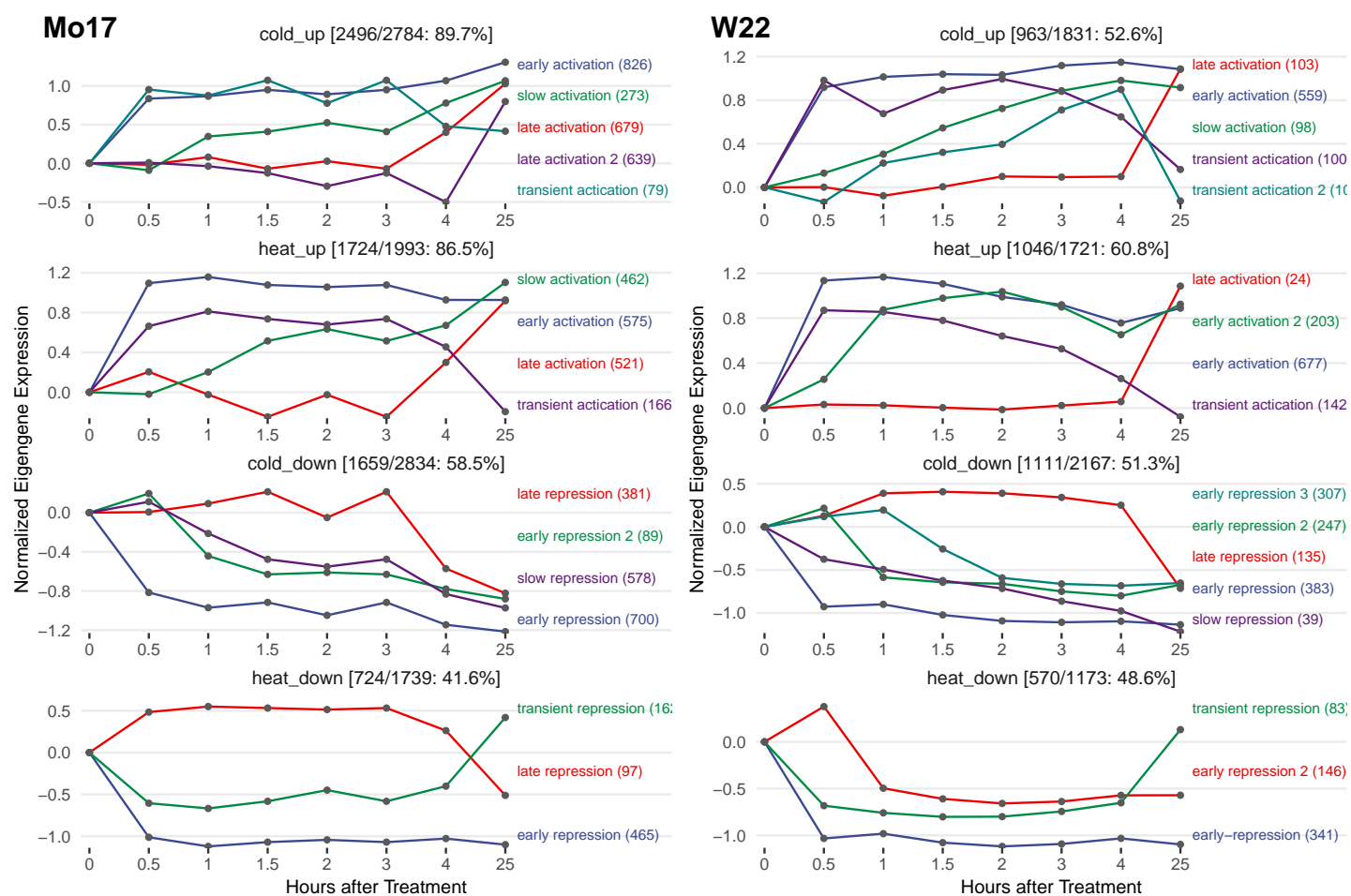


Figure S3.

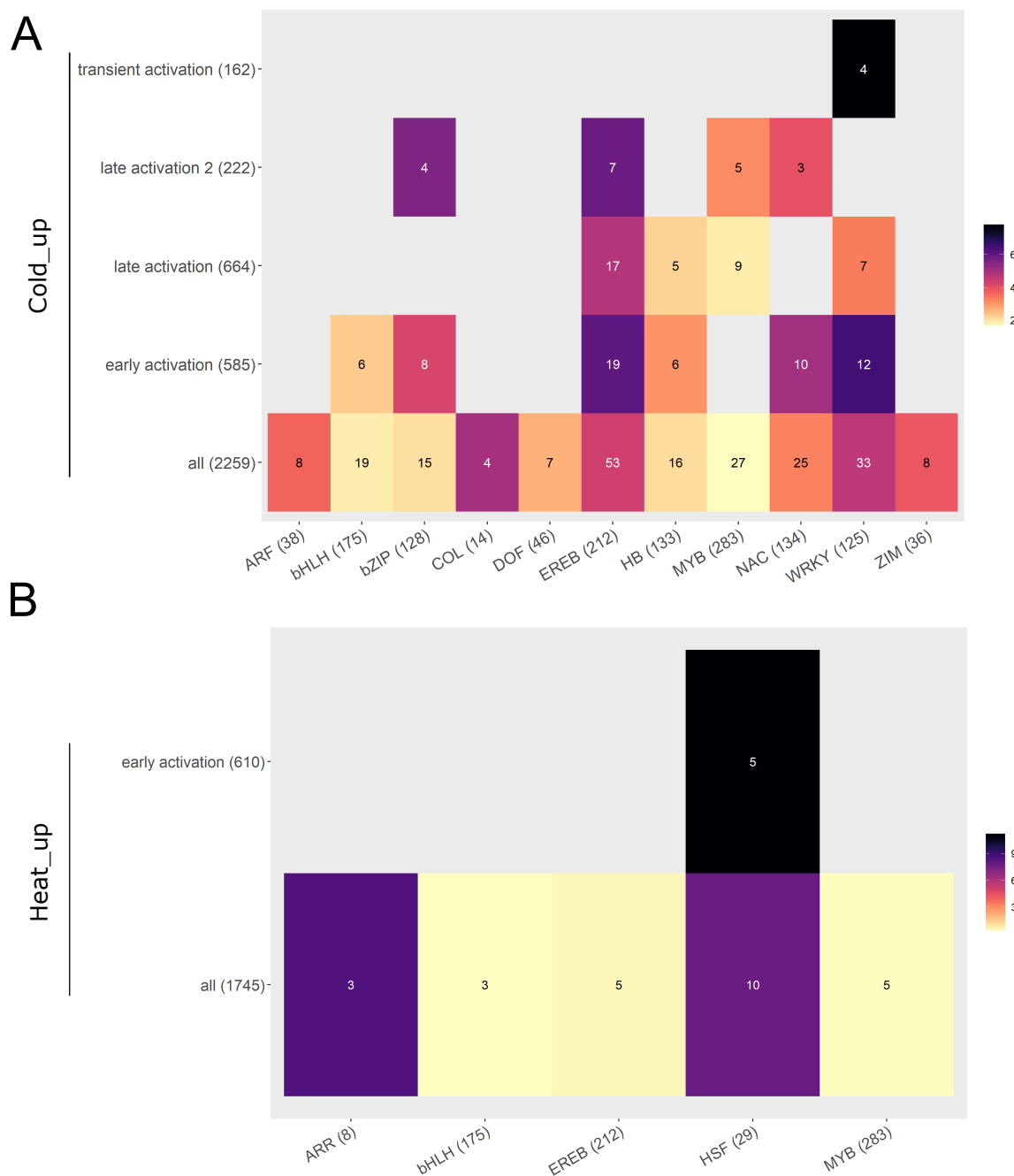
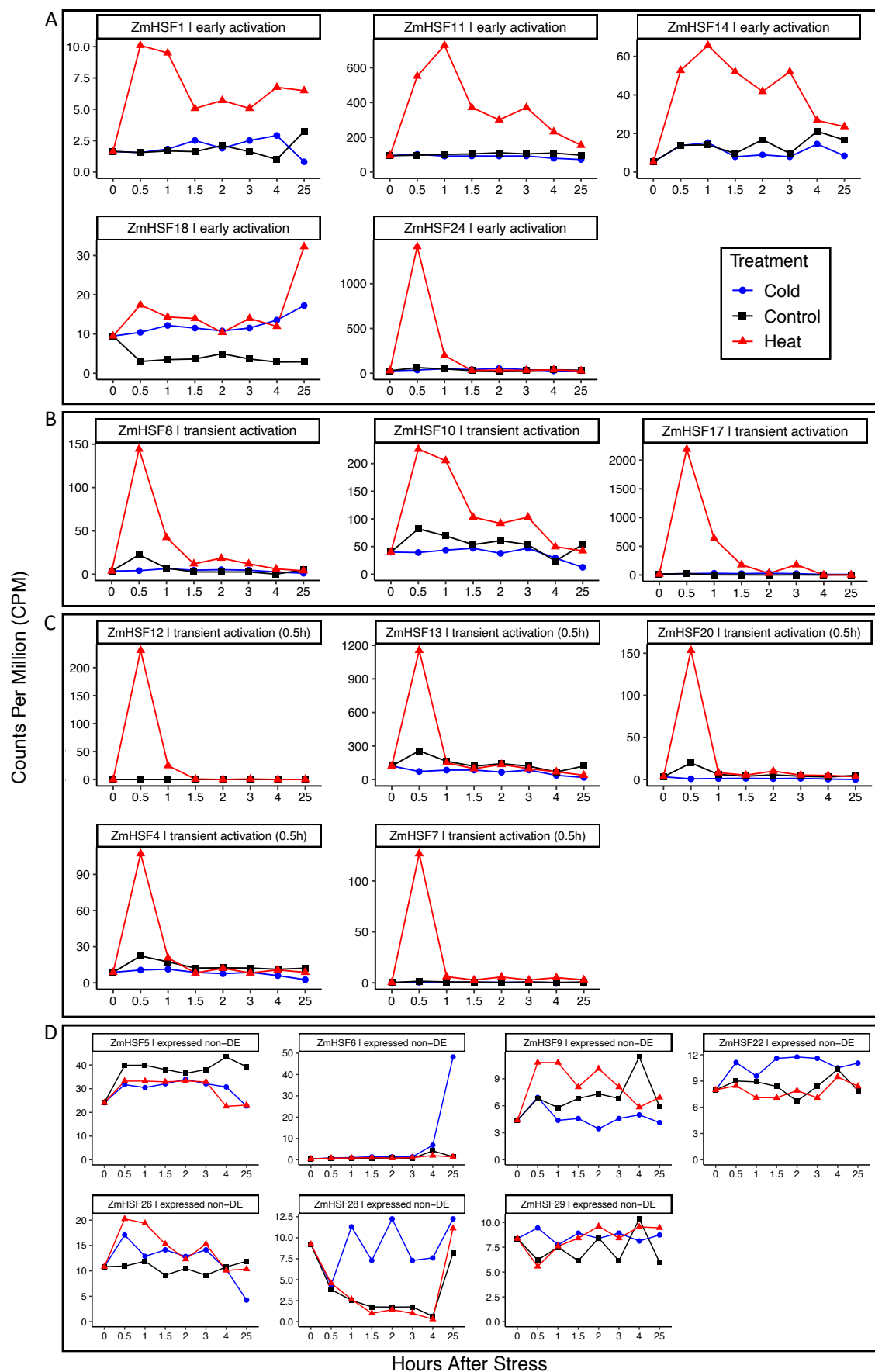


Figure S4. Transcription Factor Family Enrichment in Select DEG Modules. Enrichment for transcription factor was determined in both the cold_up (A) and heat_up (B) bulk and module-assigned differentially expressed gene lists. Numbers in parentheses indicate group size, while numbers in tiles indicate how many DEGs of specific transcription factor families were identified in each module. Enrichment was determined through hypergeometric testing ($p < 0.05$), and enrichment was not considered for modules with fewer than 3 TFs in a given family. Transcription factor family assignments were pulled from Grassius TFDB (ref).



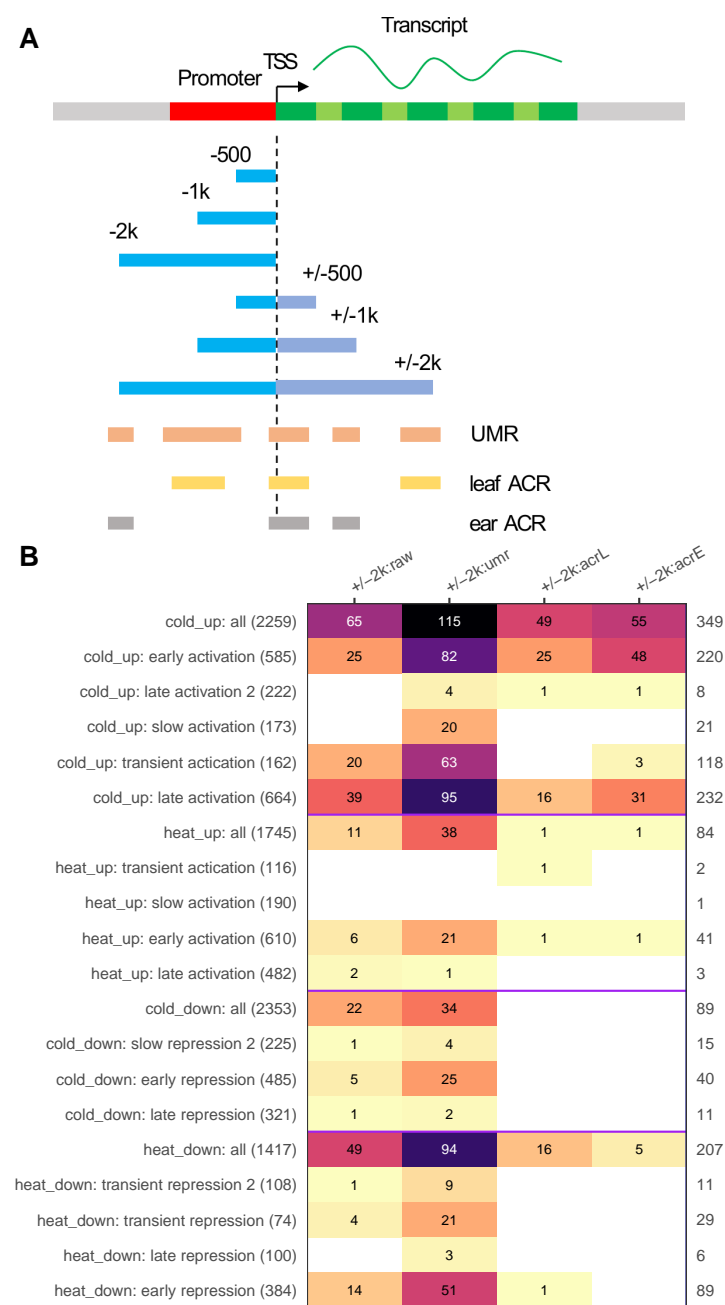


Figure 3.

	-500:raw	-500:umr	-500:acrL	-500:acrE	+/-500:raw	+/-500:umr	+/-500:acrL	+/-500:acrE	-1k:raw	-1k:umr	-1k:acrL	-1k:acrE	+/-1k:raw	+/-1k:umr	+/-1k:acrL	+/-1k:acrE	-2k:raw	-2k:umr	-2k:acrL	-2k:acrE	+/-2k:raw	+/-2k:umr	+/-2k:acrL	+/-2k:acrE	
cold_up: all (2259)	14	22	9	7	29	33	9	13	21	38	17	12	46	68	23	29	29	58	25	21	65	115	49	55	349
cold_up: early activation (585)	9	15	5	2	13	22	4	8	15	26	9	12	27	48	12	21	12	42	16	16	25	82	25	48	220
cold_up: late activation 2 (222)	2	2	1	1		1	1	1		2	1	1		1	1		3	2	1		4	1	1		8
cold_up: slow activation (173)													1								20				21
cold_up: transient activation (162)	2	6			9	17			2	12			16	34			20			20	63		3		118
cold_up: late activation (664)	10	17	4	3	16	27	2	5	10	27	7	7	30	50	7	10	11	43	12	9	39	95	16	31	232
heat_up: all (1745)	1	3	1		7	12	1			10	1		7	26	1	1		4	1		11	38	1	1	84
heat_up: transient activation (116)	1					1			1													1			2
heat_up: slow activation (190)					1	1							1	1											1
heat_up: early activation (610)	2	2	1		6	11	1		1	3	1		9	22	1	1	1	4	1		6	21	1	1	41
heat_up: late activation (482)													1							2	1				3
cold_down: all (2353)	1	2			14	14							23	27							22	34			89
cold_down: slow repression 2 (225)					4	3							6	7							1	4			15
cold_down: early repression (485)		1			1	1			1				5	15			1				5	25			40
cold_down: late repression (321)					2	2							1	4							1	2			11
heat_down: all (1417)	10	16	3	1	22	32	4		12	25	6	2	32	56	6	1	9	30	8	2	49	94	16	5	207
heat_down: transient repression 2 (108)													2								1	9			11
heat_down: transient repression (74)					2								4	5			1				4	21			29
heat_down: late repression (100)					2								1									3			6
heat_down: early repression (384)	2	5			7	15			1	4			13	29			9				14	51	1		89

Figure S6.

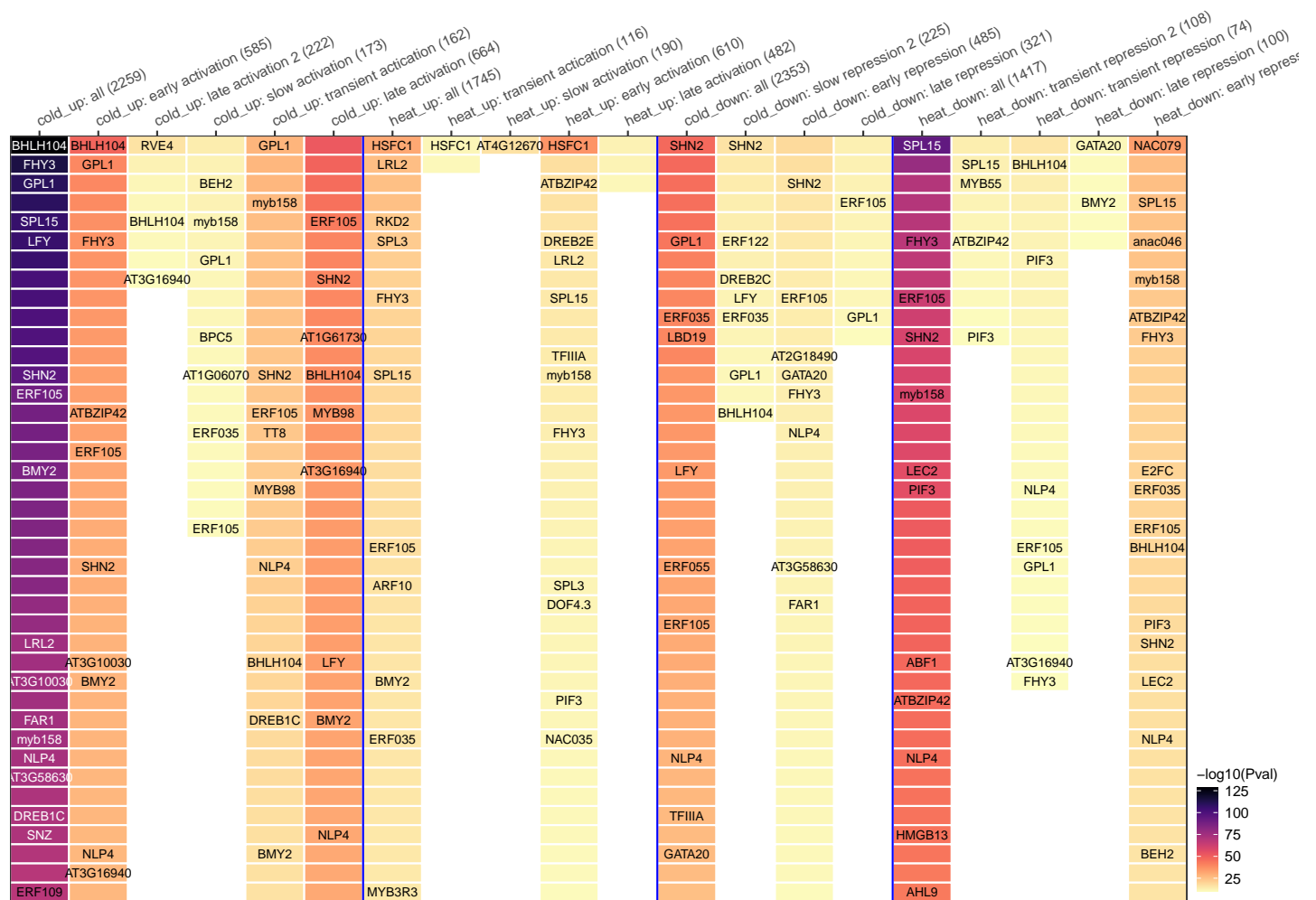


Figure S7.

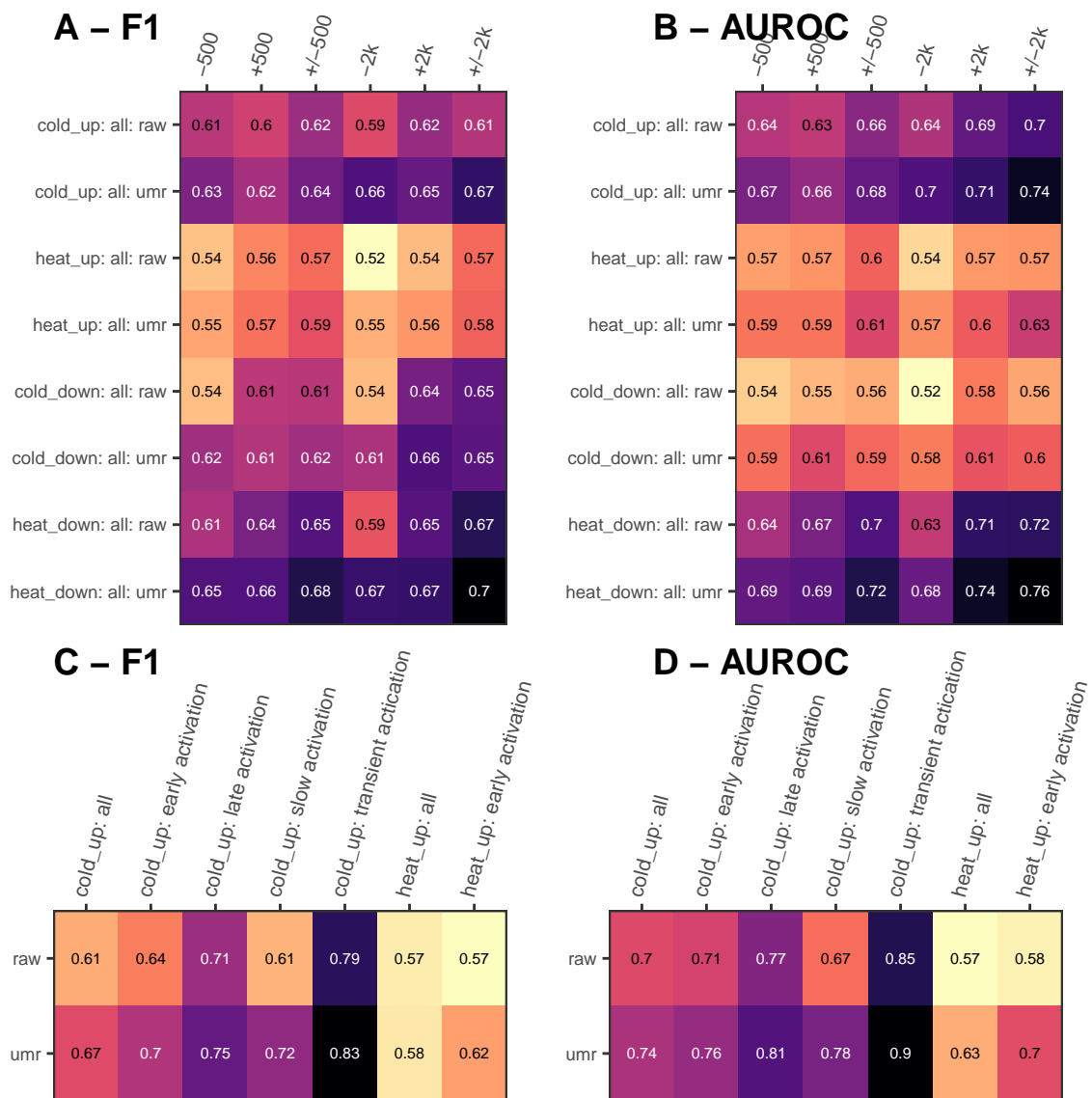


Figure 4.