	_{_500} .	.500:	umr _500:ac	;rL acrE 500:acrE	00:raw	umr 1-500:ar	7K:16	JW. UM	K:acrl	kiacrE th-14	+1-1X	iumr +1-1K:20	rk.acr	iam.in	nr 2K.ac	2K.acr	E X:13	5X:U	nr 2k.ar	or o
cold_up:m01 - cold_up:m02 - cold_up:m03 -	7 2 1	6 4 1 1 1	4 4 1 0	5 14 7	4 4 8 0 3 1	4 0 1	9 1	0 7 2 0 2 2	6 0 1	6 19 11	6 (6 6 0 0 2 2	6 1 2	10 (6 6 0 0	6 21 18	10 20 15	9 0 2	8 1 2	At TCP19[PBM,D] At ERF110[PBM,I] At ABR1[PBM,D] At RAP2-11[DAP,D] Zm ereb142[DAP,I] Zm ereb62[DAP,
cold_up:m04 - cold_up:m05 - cold_up:m06 -	1	0 (2 1	0 0 1 1 1 1	2 4 6	1 1 4 1 3 0	1 1 1		1 1	0 1 1	8 6 12	9	1 1 0 1 1 3	3 1 1	3 1 (1 1	12 6 8	11 5 8	0 1		At ERF110[PBM,I] At ABR1[PBM,D] At ERF019[DAP,D] At ERF095[DAP,D]
cold_up:m07 - cold_up:m08 - cold_up:m09 - cold_up:m10 -	2 0	9 2 0 5		7 4 1 4	11 2 1 5		3 0			8	7 5 2 7	1 2	3 1 6		5 5 2 1	4 8 5 4	7 7 4 7	6 2 0 3	3	At RVE8[DAP,D] At ERF091[DAP,D] At CRF4[DAP,D] At CCA1[PBM,D] Zm mybr95[PBM,I]
cold_up:m11 - cold_up:m12 - cold_up:m12 - cold_up:m13 -	0	0 0 7		5 3 3	3 2 6		0	0 0		10 6		0	0 1 3)	11 7 2	11 6 5	0	1	Atjerf086[DAP,D] Atjerf10[PBM,I] AtjABR1[PBM,D] AtjRVE5[DAP,D]
cold_up:m14 - cold_up:m15 - cold_up:m16 early-activation -		0 1 2	2 3	2 5 13	2 8 8 2	6	0 3 1		4	1 3 15	2 7 11 :	3 8	1 3 3	5 3	3 6	2	5 7 17	5	11	At BPC1[DAP,D] At RVE7[DAP,D] At LBD6[DAP,D] At LBD10[DAP,I] At LBD36[DAP,I] Zm
cold_up:m17 - cold_up:m18 down-up - cold_up:m19 slowly-activation -	2	1 (14 (14 (14 (14 (14 (14 (14 (14 (14 (1	5 7 1	5 9 2	3 0 14 7 2 2	7	6 1	-	5		9 (0 2 6 6 2 1	3 7 1	2 2		4 2	14 11 8	1 8 2	6 1	At RAP2-11[DAP,D] Zm ereb142[DAP,I] Zm ereb62[DAP, At RVE8[DAP,D] At BPC1[DAP,D]
cold_up:m20 recovery - cold_up:m21 late-activation heat_up:m01 - heat_up:m02 -	3 0	0 (2 2 0 (1 1	8 13 5 15	5 0 6 1 2 0	3	1	4 1	0 2	25 8	15 5	0 1 1 5 0 0	0 3 0	1 (4 1 1 (10 7	1 1	27	14 22 6 14	0 1 0	0	At AT5G23930[DAP,D] At RAP2-11[DAP,D] Zm ereb142[DAP,I] Zm ereb62[DAP, At RAP2-11[DAP,D] Zm ereb142[DAP,I] Zm ereb62[DAP, At HSFA1A DAP,I](cold_HsfA1a) At HSFA1A DAP,I](hea
heat_up:m03 - heat_up:m04 - heat_up:m05 -	23 2 6	25 6 3		31 7 2	33 8 1		18 2	2 3 6		23 6		В	17 5 3	23 1	1	19 5 3		11 5	11	At HSFA6B[DAP,D](heat_HSFA6b) At HSFA1A[DAP,I](cold_HsfA1a) At HSFA1A[DAP,I](hea At GATA12[DAP,D]
heat_up:m06 - heat_up:m07 - heat_up:m08 recovery -	9 1	1 11 12		3 8 15	4 9 17		10 1	0		5 12	4 7 15		1 7 10	11	2	3 4 11	4 6 15	2 13	2	At TRP5[PBM,D] At TRFL4[PBM,I] Zm ibp1[PBM,I] Zm i At HSFA6A[DAP,D](heat_HSFA6a) At AT1G77570[DAP,I] At HSFA7A[DAP,I](heat_HSFA7a)
heat_up:m09 - heat_up:m10 - heat_up:m11 - heat up:m12 -	1 3	1 2 1 4		1 1 3 1	1 2 2 2		2 1 5	2		2	2 3 2 3		2 2 3	2 3 1 2		3 2 3	2 4 2 2			At LBD16[PBM,D] At LBD29[PBM,I] Zm rtcl1[PBM,I] Zm At ATMYB13[DAP,D] At MYB14[DAP,I] Zm myb121[DAP,I] At TRP1[DAP,D] At ERF013[DAP,D]
heat_up:m13 - heat_up:m14 - heat_up:m16 slowly-activation -	3	3		6 2 8	6 1 9 3		2 2 2 2 2	2		4	5	2	2 2 2	2 1 4	1	4 1 5	5 1 8	2		At TRP5[PBM,D] At TRFL4[PBM,I] Zm ibp1[PBM,I] Zm i At REM19[DAP,D] At TRP5[PBM,D] At TRFL4[PBM,I] Zm ibp1[PBM,I] Zm i
heat_up:m17 - heat_up:m18 early-activation - heat_up:m19 late-activation -	42 4	1 (8 10 0 1	4	29 17 58 21 2 0	12	33 4		4 10 0	38 4	49 2 2	6 9 1 12 0 0	13 28 2	40 2 0 0	1 5 2 11 0 0	30	47 1	0	14 0	At HSFA1A[DAP,I](cold_HsfA1a) At HSFA1A[DAP,I](hea At HSFA6B[DAP,D](heat_HSFA6b) At TRP1[DAP,D]
cold_down:m01 - cold_down:m02 - cold_down:m03 - cold_down:m04 -	1	7 5 1 0 1	5	4 6 1 6	5 4 4 1 4		8 1 2	1		4	6 4 3 3 3	4	0 1 0	6 0 1 1	5	5 4 2 4	5 2 2 3	5	2	At HSFC1[DAP,D](cold_HSFC1) At HSFC1[DAP,D](heat_I At ERF014[DAP,D] Zm ereb173[DAP,I] Zm ereb13[DAP,I At JUB1[DAP,D](heat_JUB1) Zm nactf74[DAP,I] At WIN1[PBM,D] Zm ereb46[PBM,I] Zm ereb145[PBM,I]
cold_down:m05 - cold_down:m06 - cold_down:m07 -	0 4	1 5 1		6 3 5	3 4 2		0	5 5		4 3	3 4 1		0 3 0	0 7 0		4 2 2	3 5 1			AtjSHN2[DAP,D] AtjSHN3[DAP,I] AtjZIM[DAP,D] AtjERF122[DAP,D]
cold_down:m08 - cold_down:m09 - cold_down:m10 -	1	1 2		12 7 5	5 4 4			1		8	6 6 3		1 0 2	0 0 1		9 7 2	6 5 2			At ABR1[DAP,D] At ERF1B[PBM,D] At HDG1[DAP,D]
cold_down:m11 - cold_down:m12 - cold_down:m13 - cold_down:m14 -	0	1 0 0 2		5 7 8 4	4 5 4 3		1 1 0	1 0		6	3 8 4 3		1 1 1	0 0 0		3 8 5 3	2 8 4 3			At ERF10[DAP,D] Zm ereb159[DAP,I] At WIN1[PBM,D] Zm ereb46[PBM,I] Zm ereb145[PBM,I] At ERF10[DAP,D] Zm ereb159[DAP,I] At ERF119[PBM,D]
cold_down:m15 - cold_down:m16 - cold_down:m17 -	0 4 2	4		5 4 7	4 3 8		0 4 1	3		3 3 4	3 3 6		0 3 1	2 2		2 2 2	2 2 5			At ERF109[DAP,D] At TCP24[DAP,D] At AGL95[DAP,D]
cold_down:m18 - cold_down:m10 - cold_down:m20 - cold_down:m21 -	1	0		4 1 6 4	3 1 3 2		1	0		1	2 2 3 7		1 1 0	2 2 0 0		1 2 3 6	1 3 3			At KAN3[PBM,I] At KAN4[PBM,D] Zm glk50[PBM,I] Zm g At GATA14[DAP,D] At ERF5[DAP,D](cold_ERF5) At ERF022[DAP,I] At ERF021[DAP,D] Zm ereb106[DAP,I
cold_down:m22 - cold_down:m23 - cold_down:m24 -	1 10 0			2 11 5	1 10 3			3 8		2	1 7 5		4 4 0	5		3 4 8	1 7 5			At ERF003[DAP,D] Zm ereb45[DAP,I] Zm ereb190[DAP,I At HSFB4[DAP,D] (heat_HSFB4) At HSFA3[DAP,I](heat_H At ERF003[DAP,D] Zm ereb45[DAP,I] Zm ereb190[DAP,I
cold_down:m25 - cold_down:m26 - cold_down:m33 -		0 ()	1 5 8	2 0	0	1 1 0		0	7 13		0 0	0) 0		1 6 6	0	0	Zm thx21[PBM,I] Zm thx22[PBM,I] At ERF086[DAP,D] At ERF5[DAP,D](cold_ERF5)
cold_down:m34 early-repression2 - cold_down:m35 - cold_down:m36 - cold_down:m37 -	3	2 3 0 2		4 2 6 13	3 3 3		2 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3		5	1 : 3 : 2 : 8	2	2 0	2 2 4 0 1	2	1 1 4 8	1 3 2 6	1		At KAN3[PBM,I] At KAN4[PBM,D] Zm glk50[PBM,I] Zm g At ZIM[DAP,D] At ERF122[DAP,D] At ERF019[DAP,D]
cold_down:m38 - cold_down:m39 - cold_down:m40 -	1 0	1 0 1		7 10 5	5 4 6		0	0		4 15	3 9 4		0 0	0 0		5 10	5 7 3	1		At SHN2[DAP,D] At SHN3[DAP,I] At ERF091[DAP,D] At AGL95[DAP,D]
cold_down:m41 - cold_down:m42 - cold_down:m43 slowly-repression -	1	2 1 (3 5 15	3 3 8 1		1 1			3 13	3 2 7	1	0	1 1 0 (3 2 9	2 2 7	1	1	At HHO6[DAP,D] At CRF4[DAP,D] At ERF003[DAP,D] Zm ereb45[DAP,I] Zm ereb190[DAP,I
cold_down:m44 - cold_down:m45 - cold_down:m46 - cold_down:m47 -	0	1 1 0 1 1	1 1	11 8 6 8	7 2 4 2 2 1 4 1	1	1 0 1		1 0		5 3	2 1 0 2 2 1 0 0	1 0 2	0 0 0 1 2 0 0 0)	7	5 6 3	3 0 3 0	0 2	At ERF105[DAP,D] At HMGB13[DAP,D] At HMGB6[DAP,I] Zm hmg9[DAP,I] At ERF054[DAP,D](heat_ERF54) At ERF9[DAP,D]
cold_down:m48 - cold_down:m49 early-repression - cold_down:m50 -	0	3 · · · · · · · · · · · · · · · · · · ·	1 2	14 8 3	8 3 2 1 2 0	3	2 : 0 : 3	2 1	1 0	11 11 4	6	2 2 0 0	1 2	1 2	2 2 0 0	10 9 4		4 0 1	0	At[ERF105[DAP,D] At[ERF115[DAP,D] At[GATA1[DAP,D]
cold_down:m51 late-repression - cold_down:m52 - cold_down:m53 -	1 6	1 2 (8 5	0 0	13 16 11	6 0 7 1 14 7	1 0 5	0 1 4	1 0	0 0 2	12 6	7	6 4	0 1 2	1 5	5 2	9	6 7 7	0 2 6	0 5	At HMGB13[DAP,D] At HMGB6[DAP,I] Zm hmg9[DAP,I] At SHN2[DAP,D] At SHN3[DAP,I] At HSFA1A[DAP,I](cold_HsfA1a) At HSFA1A[DAP,I](hea
cold_down:m54 - heat_down:m01 - heat_down:m02 - heat_down:m03 quick-recovery -	2	1	1 1	12 3 4 2	3 1 2 1	0	1 2 3	3	0	4 5	7 3 2 2	1 0	0 2 0 1	3 2	0 0	15 7 4 7	9 6 2 4	1 2 1	0	At LBD25[DAP,I] At LOB[DAP,D] Zm ra2[DAP,I] Zm lbd At ERF013[DAP,D] At RAP2-11[DAP,D] Zm ereb142[DAP,I] Zm ereb62[DAP, At ERF110[PBM,I] At ABR1[PBM,D]
heat_down:m04 - heat_down:m05 - heat_down:m06 -	0 2 1	1 1 0		1 1 4	1 1 3		0 2 0	1 2 0		2 2 6	2 2 5		1 4 1	2 2 0		4 4 8	5 3 6	1		At ESR1[PBM,I] Zm ereb196[PBM,I] Zm ereb83[PBM,I] At BZIP68[PBM,D] At ERF110[PBM,I] At ABR1[PBM,D]
heat_down:m07 - heat_down:m08 - heat_down:m10 - heat_down:m10 -	1	2 1 0		2 4 1 5	1 3 1 3		0	-		4	2 4 3 3		1 0	4 1 0 0		2 5 4 7	4 5 5			At BPC1[DAP,D] At ERF6[PBM,D] At ERF10[DAP,D] At HRE1[DAP,D]
heat_down:m11 - heat_down:m26 - heat_down:m27 -	1	1 1 (1		5 4 4 7	3 2 3 0 4 0		1 1 1	1 1	1	5 5	3	0 1	0 0 1	0	0 0 2 1	8	5	0		At HRE1[DAP,D] At ERF110[PBM,I] At ABR1[PBM,D] At ERF122[DAP,D] At ERF110[PBM,I] At ABR1[PBM,D]
heat_down:m28 - heat_down:m29 - heat_down:m30 recovery -	0 1 0	0 1 0		5 5 6	2 4 3		0	0 2		4 8 6	4 7 4	1	0 1 1	1 1	2	6 5 8	7 6 7	2		At CRF4[DAP,D] At LBD25[DAP,I] At LOB[DAP,D] Zm ra2[DAP,I] Zm lbd At HRE1[DAP,D]
heat_down:m31 - heat_down:m32 - heat_down:m33 - heat_down:m34 ate-repression -	0 1 1 3	1 1	1 0	5 1 7	2 2 2 1	0	1		0	2	1 4 5	1 0	1 2 0	0 3 0	1 0		2 2 5	1	0	At HMGB13[DAP,D] At HMGB6[DAP,I] Zm hmg9[DAP,I] At NAC004[DAP,D] At anac048[DAP,I] At RAP2-11[DAP,D] Zm ereb142[DAP,I] Zm ereb62[DAP,I] At ATEG6420[DAP,I]
heat_down:m34 late_repression - heat_down:m35 early_repression - heat_down:m36 -	0	4 1 ' 1	1 2	2 6 8	3 2 1 4 0		0	5 1 2 1 1	2	9		2 1	3 0 1	0 1	1 2	2 7 9	2 7 7	2		At AT5G61620[DAP,D] At ERF105[DAP,D] At LBD25[DAP,I] At LOB[DAP,D] Zm ra2[DAP,I] Zm lbd