

Table S6. The number of important *cis*-acting elements in different species

<i>Cis</i> -acting Element		<i>Crotonaceae</i>				<i>Acalyphoideae</i>		<i>Euphorbioideae</i>	Sum
		Jc	Hb	Me	Vf	Ma	Rc	Ep	
light responsiveness	light responsiveness	309 (49.13%)	640 (58.39%)	737 (57.00%)	636 (58.08%)	383 (54.17%)	298 (54.58%)	180 (46.63%)	3183
	abscisic acid responsiveness	50 (7.95%)	66 (10.49%)	78 (12.40%)	52 (8.27%)	46 (7.31%)	43 (6.84%)	36 (5.72%)	371
	auxin responsiveness	25 (3.97%)	24 (2.19%)	23 (1.78%)	22 (2.01%)	22 (3.11%)	14 (2.56%)	7 (1.81%)	137
hormone- responsiveness	gibberellin responsiveness	28 (4.45%)	28 (4.45%)	28 (4.45%)	40 (6.36%)	17 (2.70%)	19 (3.02%)	16 (2.54%)	176
	MeJA-responsiveness	44 (7.00%)	74 (11.76%)	144 (22.89%)	73 (11.61%)	62 (9.86%)	32 (5.09%)	52 (8.27%)	481
	salicylic acid responsiveness	17 (2.70%)	27 (4.29%)	27 (4.29%)	27 (4.29%)	18 (2.86%)	14 (2.23%)	10 (1.59%)	140
	anaerobic induction	62 (9.86%)	93 (14.79%)	89 (14.15%)	95 (15.10%)	62 (9.86%)	40 (6.36%)	24 (3.82%)	465
stress responsiveness	MYB binding site	6 (0.95%)	8 (1.27%)	8 (1.27%)	10 (1.59%)	7 (1.11%)	5 (0.79%)	3 (0.48%)	47
	defense and stress responsiveness	9 (1.43%)	24 (3.82%)	24 (3.82%)	19 (3.02%)	17 (2.70%)	10 (1.59%)	9 (1.43%)	112
	drought inducibility	22 (3.50%)	29 (4.61%)	37 (5.88%)	34 (5.41%)	19 (3.02%)	19 (3.02%)	16 (2.54%)	176

growth and development responsiveness	low-temperature responsiveness	15 (2.38%)	31 (4.93%)	18 (2.86%)	21 (3.34%)	19 (3.02%)	9 (1.43%)	10 (1.59%)	123
	circadian control element	6 (0.95%)	9 (1.43%)	13 (2.07%)	10 (1.59%)	7 (1.11%)	9 (1.43%)	3 (0.48%)	57
	zein metabolism regulatory element (O <sub>2</sub> -site)	9 (1.43%)	10 (1.59%)	23 (3.66%)	19 (3.02%)	11 (1.75%)	10 (1.59%)	10 (1.59%)	92
	meristem expression regulatory element	21 (3.34%)	14 (2.23%)	28 (4.45%)	22 (3.50%)	6 (0.95%)	13 (2.07%)	2 (0.32%)	106
	endosperm expression regulatory element	2 (0.32%)	9 (1.43%)	4 (0.64%)	15 (2.38%)	3 (0.48%)	6 (0.95%)	3 (0.48%)	42
	flavonoid biosynthetic genes regulatory element	0 (0.00%)	4 (0.64%)	5 (0.79%)	0 (0.00%)	5 (0.79%)	2 (0.32%)	2 (0.32%)	18
	seed-specific regulatory element	50 (7.95%)	66 (10.49%)	78 (12.40%)	52 (8.27%)	46 (7.31%)	43 (6.84%)	36 (5.72%)	26
	Sum	629	1096	1293	1095	707	546	386	5752

Me: *Manihot esculenta*; Ep: *Euphorbia peplus*; Ma: *Mercurialis annua*; Hb: *Hevea brasiliensis*; Vf: *Vernicia fordii*; Jc: *Jatropha curcas*; Rc: *Ricinus communis*