

Supplementary Table 1. Number of emerged adult beetles (N), means and standard deviation (SD) of adult dry weight (ADW) and within-seed developmental time (WSD) for females and males of *Acanthoscelides obtectus*, *Callosobruchus chinensis*, and *C. maculatus* emerging from different chickpea and cowpea genotypes. Transgenic lines are indicated with an asterisk.

			Females			Males		
			N	ADW (mg) \pm SD	WSD (d) \pm SD	N	ADW (mg) \pm SD	WSD (d) \pm SD
<i>A. obtectus</i>	Chickpea	Semsen TG*	4	2.928 \pm 0.417	49.5 \pm 4.4	5	2.700 \pm 0.176	47.8 \pm 4.8
		Semsen PL	2	3.297 \pm 0.127	46.5 \pm 2.1	1	2.702 \pm 0	45 \pm 0
		ICCV 2	15	4.132 \pm 0.374	41.3 \pm 1.7	11	3.369 \pm 0.250	41.2 \pm 2.8
		Vijay	11	3.847 \pm 0.422	42.5 \pm 2.6	11	2.963 \pm 0.379	42.5 \pm 3.1
		ICCG 37	15	3.663 \pm 0.310	43.7 \pm 3.1	8	2.951 \pm 0.305	43.1 \pm 5.9
		ICCV 10	12	3.679 \pm 0.475	44.4 \pm 3.2	9	2.967 \pm 0.527	42.9 \pm 5.1
		ICC 506	8	3.533 \pm 0.443	42.7 \pm 1.8	7	2.891 \pm 0.338	44.5 \pm 4.6
		ICC 12422	6	2.791 \pm 0.572	52.7 \pm 5.6	3	2.352 \pm 0.533	49.3 \pm 3.2
		ICC 4969	10	3.393 \pm 0.304	42.6 \pm 2.4	10	2.964 \pm 0.296	39.5 \pm 1.8
		ICC 14336	10	3.628 \pm 0.426	44.2 \pm 3.6	10	3.051 \pm 0.267	42.5 \pm 2.8
		ICC 4957	6	3.357 \pm 0.318	42.8 \pm 2.6	6	2.573 \pm 0.212	43.3 \pm 4.9
	Rearing var.	16	4.026 \pm 0.474	42.4 \pm 5.5	13	3.429 \pm 0.171	39.2 \pm 1.6	
	Cowpea	IT86D-1010	7	3.709 \pm 0.401	40.7 \pm 5.6	6	3.289 \pm 0.308	37.5 \pm 3.4
		TCP 14A*	16	3.635 \pm 0.256	38.7 \pm 1.8	8	3.017 \pm 0.301	37 \pm 2.3
		NTCP 14A	10	3.771 \pm 0.387	38.9 \pm 3.8	17	3.024 \pm 0.402	38.9 \pm 5.7
		T 170*	6	3.549 \pm 0.640	41.2 \pm 8.9	13	2.773 \pm 0.482	39.5 \pm 8.8
		NT170	13	3.623 \pm 0.404	38.9 \pm 3.1	14	2.990 \pm 0.484	37.7 \pm 3.5
		T 239*	5	3.602 \pm 0.175	39.4 \pm 2.3	5	2.859 \pm 0.269	36.8 \pm 1.3
		NT 239	6	3.535 \pm 0.160	40.5 \pm 3.2	7	3.014 \pm 0.216	41.3 \pm 10.6
T 310*		11	3.550 \pm 0.543	39.6 \pm 4.5	15	3.055 \pm 0.294	37.3 \pm 2.3	
NT 310	5	3.699 \pm 0.148	40.2 \pm 4.0	11	2.912 \pm 0.574	41.3 \pm 6.8		
Rearing var.	14	3.275 \pm 0.508	39.1 \pm 2.1	13	3.072 \pm 0.416	36.8 \pm 2.3		
<i>C. chinensis</i>	Chickpea	Semsen TG*	1	2.218 \pm 0	42.0 \pm 0	0		
		Semsen PL	7	2.240 \pm 0.239	36.7 \pm 2.4	8	1.504 \pm 0.181	34.5 \pm 5.1
		ICCV 2	13	2.871 \pm 0.133	29.4 \pm 0.9	17	1.790 \pm 0.073	29.1 \pm 1

	Vijay	19	2.707 ± 0.153	31.1 ± 1.3	11	1.715 ± 0.095	30.2 ± 0.9	
	ICCG 37	16	2.653 ± 0.185	31.9 ± 1.4	12	1.687 ± 0.148	31.3 ± 1.3	
	ICCV 10	18	2.741 ± 0.221	30.7 ± 1.1	11	1.779 ± 0.117	29.9 ± 0.8	
	ICC 506	10	2.521 ± 0.295	32.6 ± 2.3	12	1.546 ± 0.159	32.0 ± 2.3	
	ICC 12422	11	2.436 ± 0.244	34.0 ± 3.1	9	1.495 ± 0.247	33.8 ± 4.5	
	ICC 4969	19	2.538 ± 0.187	31.5 ± 1.8	8	1.550 ± 0.158	30.6 ± 0.9	
	ICC 14336	12	2.496 ± 0.213	32.0 ± 2.2	12	1.621 ± 0.092	30.4 ± 1.7	
	ICC 4957	19	2.425 ± 0.256	32.9 ± 2.1	8	1.519 ± 0.076	32.3 ± 1.8	
	Rearing var.	17	3.023 ± 0.190	29.1 ± 0.7	12	1.766 ± 0.135	28.2 ± 0.9	
	Cowpea	IT86D-1010	5	2.642 ± 0.066	28.2 ± 1.3	7	1.784 ± 0.092	28.7 ± 3.2
		TCP 14A*	0		0			
		NTCP 14A	15	0.686 ± 0.123	29.1 ± 2.0	13	1.725 ± 0.233	31.1 ± 4.7
		T 170*	0		0			
		NT170	15	2.592 ± 0.126	29.7 ± 2.8	13	1.685 ± 0.114	29.0 ± 3.4
		T 239*	0		0			
		NT 239	9	2.698 ± 0.119	29.0 ± 2.2	16	1.743 ± 0.136	29.1 ± 3.4
		T 310*	0		0			
		NT 310	15	2.665 ± 0.104	31.1 ± 3.9	6	1.738 ± 0.098	27.8 ± 1.2
		Rearing var.	18	2.629 ± 0.154	27.8 ± 0.6	4	1.804 ± 0.162	27.0 ± 0
<i>C. maculatus</i>	Chickpea	Semsen TG*	0		0			
		Semsen PL	4	2.099 ± 0.398	51.5 ± 7.6	0		
		ICCV 2	12	3.256 ± 0.332	36.8 ± 1.5	13	1.979 ± 0.291	38.7 ± 8.9
		Vijay	8	2.400 ± 0.388	43.3 ± 3.3	7	1.626 ± 0.314	45.1 ± 4.4
		ICCG 37	9	2.590 ± 0.522	42.4 ± 4.8	8	1.614 ± 0.321	46.4 ± 12.0
		ICCV 10	8	2.596 ± 0.473	46.0 ± 8.7	7	1.711 ± 0.192	42.1 ± 3.5
		ICC 506	4	2.188 ± 0.579	50.0 ± 5.5	1	1.897 ± 0	60.0 ± 0
		ICC 12422	2	2.813 ± 0.520	46.5 ± 0.7	1	1.825 ± 0	43.0 ± 0
		ICC 4969	5	2.161 ± 0.232	42.4 ± 3.6	4	1.648 ± 0.296	45.3 ± 4.2
		ICC 14336	9	2.416 ± 0.459	42.2 ± 3.5	5	1.604 ± 0.417	44.8 ± 11.9
		ICC 4957	3	2.640 ± 0.349	44.7 ± 4.7	4	1.369 ± 0.308	54.5 ± 12.2
		Rearing var.	13	3.009 ± 0.603	42.8 ± 11	14	1.842 ± 0.210	38.8 ± 3.8
	Cowpea	IT86D-1010	6	3.109 ± 0.372	40.0 ± 5.2	4	1.978 ± 0.162	37.0 ± 1.8
		TCP 14A*	0		0			
		NTCP 14A	13	3.137 ± 0.301	36.6 ± 2.0	11	2.152 ± 0.278	39.3 ± 4.3
		T 170*	0		0			

NT170	13	3.224 ± 0.314	37.4 ± 4.4	4	2.063 ± 0.207	35.3 ± 0.5
T 239*	0			0		
NT 239	11	3.166 ± 0.605	36.5 ± 0.9	4	2.159 ± 0.157	34.8 ± 1.0
T 310*	0			0		
NT 310	7	3.145 ± 0.336	37.5 ± 2.4	7	2.069 ± 0.430	36.8 ± 2.2
Rearing var.	13	3.255 ± 0.398	38.2 ± 7.3	15	2.111 ± 0.381	35.7 ± 2.7
