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Supplementary Material

Table S1. Estimated parameters from generalized linear models (GLM) for the effect of heat shocks on germination percentage and mean germination time (MGT) in ruderal legumes from the Cerrado. E: estimate; min: minute; SE: standard error; P: p-value; *: Excluded from the analysis because no seeds survived; **: Not analyzed due to insufficient seed number.

Species	Treatment	Germination			MGT		
		E	SE	P	E	SE	P
Bauhinia holophylla	Control	-1.45	0.25	<0.001	2.93	0.09	<0.001
	200°C/1 min	-0.20	0.37	0.57	0.13	0.13	0.36
	200°C/3 min	*	*	*	*	*	*
	200°C/5 min	*	*	*	*	*	*
Chamaecrista desvauxii	Control	-1.99	0.30	<0.001	3.10	0.23	<0.001
	60°C/1 min	-0.20	0.45	0.65	**-0.89**	**0.36**	**0.02**
	60°C/3 min	-0.59	0.49	0.23	-0.40	0.33	0.23
	100°C/1 min	0.60	0.39	0.12	-0.17	0.33	0.60
	100°C/3 min	-0.75	0.52	0.14	-0.39	0.36	0.27
	150°C/1 min	-0.20	0.45	0.65	-0.12	0.33	0.70
	150°C/3 min	-0.59	0.49	0.23	0.007	0.33	0.98
	200°C/1 min	0.17	0.42	0.67	-0.08	0.33	0.80
	200°C/3 min	-0.75	0.52	0.14	-0.21	0.36	0.56
	200°C/5 min	0.60	0.39	0.12	**-1.51**	**0.33**	**<0.001**
Chamaecrista flexuosa	Control	-3.47	0.58	<0.001	2.06	0.38	<0.001
	60°C/1 min	0.72	0.72	0.31	-0.16	0.49	0.74
	60°C/3 min	1.16	0.68	0.08	0.80	0.46	0.10
	100°C/1 min	1.03	0.69	0.13	0.01	0.49	0.97
	100°C/3 min	**2.94**	**0.62**	**<0.001**	0.34	0.46	0.46
	150°C/1 min	0.29	0.77	0.70	-0.26	0.54	0.62
	150°C/3 min	3.02	0.62	**<0.001**	0.48	0.46	0.31
	200°C/1 min	0.29	0.77	0.70	0.49	0.49	0.33
	200°C/3 min	**1.89**	**0.64**	**0.003**	0.95	0.46	0.05
	200°C/5 min	**	**	**	**	**	**
Chamaecrista ramosa	Control	-3.17	0.51	<0.001	1.87	0.29	<0.001
	60°C/1 min	-0.29	0.77	0.70	-0.48	0.51	0.35
	60°C/3 min	1.09	0.60	0.06	0.25	0.41	0.54
	100°C/1 min	0.59	0.64	0.35	0.02	0.45	0.95
	100°C/3 min	0.86	0.61	0.16	0.31	0.41	0.45
	150°C/1 min	0.86	0.61	0.16	0.31	0.45	0.49
	150°C/3 min	0.86	0.61	0.16	0.80	0.41	0.06

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Table S1. Cont.

Species	Treatment	Germination			MGT		
		E	SE	P	E	SE	P
Chamaecrista ramosa	200°C/1 min	1.27	0.59	**0.03**	0.29	0.41	0.49
	200°C/3 min	**1.72**	**0.57**	**0.002**	0.02	0.41	0.95
	200ºC/5 min	**	**	**	**	**	**
Crotalaria pallida	Control	-2.31	0.34	<0.001	1.64	0.29	<0.001
	60°C/1 min	-0.27	0.52	0.60	0.01	0.38	0.96
	60°C/3 min	-0.63	0.57	0.27	-0.10	0.41	0.80
	100°C/1 min	0.49	0.45	0.27	0.48	0.38	0.22
	100°C/3 min	0.11	0.48	0.80	0.17	0.38	0.66
	150°C/1 min	0.22	0.47	0.63	-0.10	0.38	0.79
	150°C/3 min	0.32	0.46	0.49	0.42	0.38	0.28
	200°C/1 min	-0.12	0.50	0.79	-0.25	0.41	0.53
	200°C/3 min	0.79	0.43	0.06	0.19	0.38	0.61
	200ºC/5 min	**1.10**	**0.42**	**0.008**	0.38	0.37	0.30
Mimosa dolens	Control	-3.17	5.10	<0.001	1.60	0.29	<0.001
	60°C/1 min	-4.43	7.21	1.00	-0.51	0.41	0.23
	60°C/3 min	2.33	6.86	0.73	-0.31	0.41	0.46
	100°C/1 min	2.33	6.86	0.73	-0.22	0.38	0.57
	100°C/3 min	2.33	6.86	0.73	-0.51	0.38	0.20
	150°C/1 min	9.80	6.09	0.10	0.36	0.38	0.36
	150°C/3 min	7.35	6.29	0.24	**1.16**	**0.41**	**0.01**
	200°C/1 min	9.80	6.09	0.10	0.10	0.38	0.78
	200°C/3 min	**2.13**	**5.58**	**<0.001**	0.10	0.38	0.78
	200ºC/5 min	**4.91**	**5.82**	**<0.001**	-0.30	0.36	0.41
Mimosa xanthocentra	Control	-2.19	3.33	<0.001	2.36	0.27	<0.001
	60°C/1 min	-7.47	5.67	0.18	0.38	0.38	0.32
	60°C/3 min	1.06	4.61	0.81	0.33	0.36	0.36
	100°C/1 min	-1.74	4.71	1.00	0.21	0.36	0.56
	100°C/3 min	2.96	4.46	0.50	0.58	0.36	0.11
	150°C/1 min	-2.45	4.97	0.62	-0.04	0.36	0.89
	150°C/3 min	2.96	4.46	0.50	0.30	0.38	0.44
	200°C/1 min	-2.45	4.97	0.62	0.31	0.36	0.40
	200°C/3 min	-1.82	4.71	1.00	0.51	0.38	0.19
	200ºC/5 min	**2.15**	**3.88**	**<0.001**	**-0.89**	**0.34**	**0.014**