Supplementary material – Motta et al 2026 Fire Ecology

Table S1. Data on species, family, vegetation type, location of seed collection, average number of seeds per replicate (± standard deviation), date of seed collection, and seed storage duration. EEA: Estação Ecológica de Assis; EESB: Estação Ecológica de Santa Bárbara.

Species	Vegetation type	Local of collection	Seeds per replicate	Date of collection	Storage duration (months)
CYPERACEAE					
Bulbostylis fimbriata (Nees) C.B.Clarke	Savanna	EESB	24 ± 1	Mar. 2022	1
LAMIACEAE					
Gymneia interrupta (Pohl ex Benth.) Harley & J.F.B.Pastore	Savanna	EESB	22 ± 3	Nov. 2021	2.5

Species	Vegetation type	Local of collection	Seeds per replicate	Date of collection	Storage duration (months)
POACEAE					
Andropogon leucostachyus Kunth	Wet grassland	EESB	23 ± 2	Jan. 2023	1
Aristida megapotamica Spreng.	Savanna	EESB	25 ± 2	Mar. 2022	3
Ctenium polystachyum Balansa	Savanna	EESB	25 ± 1	Mar. 2022	2
Eriochrysis cayensis P. Beauv.	Wet grassland	ESA	14 ± 3	Feb. 2023	2
Paspalum pectinatum Ness ex Trin.	Savanna	ESSB	20 ± 3	Nov. 2022	3
Saccharum villosum Steud.	Wet grassland	EESB	16 ± 1	Apr. 2023	3

Species	Vegetation type	Local of collection	Seeds per replicate	Date of collection	Storage duration (months)
Sorghastrum minarum (Ness) Hitchc.	Savanna	EESB	23 ± 2	Mar. 2023	2.5

Table S2. Mean values (± SD) Percentage of germinated and non-germinated seeds (non-germinated seeds were classified as seeds with viable embryos, non-viable embryos, and embryos damaged by fungi) and t50, of Cerrado species in the control (distilled water); Hydroquinone (HYD) at 9.1; 91; 908 and 90838 µM; Karrikin (KAR) at 0.01; 0.1; 1 and 10 µM; Mandelonitrile (MAN) at 01; 10; 50 and 100 µM. Viable embryos: those stained with tetrazolium; non-viable embryos: not stained with tetrazolium. – No calculation, due to germination in only one replicate or total absence of germination. ▲ calculation using two replicates in t50.

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	Control	0 ± 0	98 ± 2	1 ± 2	1 ± 2	_

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
Bulbostylis fimbriata	HYD 9.1 µM	0 ± 0	94 ± 5	2 ± 3	4 ± 6	_
	HYD 91 µM	0 ± 0	89 ± 7	6 ± 7	5 ± 2	_
	HYD 908 µM	0 ± 0	97 ± 4	1 ± 2	2 ± 2	_
	HYD 90838 µM	0 ± 0	96 ± 6	4 ± 5	0 ± 0	_
	KAR 0.01 µM	0 ± 0	90 ± 8	4 ± 3	6 ± 5	_
	KAR 0.1 µM	0 ± 0	85 ± 19	10 ± 20	5 ± 2	_
	KAR 1 µM	0 ± 0	82 ± 8	16 ± 5	2 ± 4	_
	KAR 10 µM	0 ± 0	89 ± 5	9 ± 4	2 ± 4	_
	MAN 0.1 µM	0 ± 0	98 ± 2	0 ± 0	2 ± 2	_
	MAN 1 µM	0 ± 0	95 ± 4	2 ± 2	3 ± 4	_

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	MAN 10 µM	0 ± 0	87 ± 4	10 ± 8	3 ± 4	_
	MAN 50 µM	0 ± 0	94 ± 2	2 ± 2	4 ± 3	_
	MAN 100 µM	0 ± 0	93 ± 5	3 ± 2	4 ± 3	_
Gymneia interrupta	Control	56 ± 15	0 ± 0	36 ± 15	8 ± 10	7.6 ± 1.9
	HYD 9.1 µM	52 ± 5	2 ± 3	28 ± 9	18 ± 6	11.6 ± 3.9
	HYD 91 µM	58 ± 15	0 ± 0	33 ± 18	9 ± 5	7.6 ± 0▲
	HYD 908 µM	52 ± 15	1 ± 2	33 ± 9	14 ± 8	8.5 ± 3.5▲
	HYD 90838 µM	27 ± 14	4 ± 5	63 ± 18	6 ± 6	_
	KAR 0.01 µM	61 ± 5	1 ± 2	29 ± 9	9 ± 4	7 ± 0.3
	KAR 0.1 µM	50 ± 16	1 ± 2	40 ± 13	9 ± 4	7.9 ± 0.2▲

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	KAR 1 µM	70 ± 7	0 ± 0	19 ± 7	11 ± 5	5.5 ± 0.7
	KAR 10 µM	72 ± 16	2 ± 4	22 ± 13	4 ± 4	7.6 ± 2.7
	MAN 0.1 µM	44 ± 23	4 ± 5	49 ± 17	3 ± 5	10.9 ± 4.1▲
	MAN 1 µM	54 ± 4	1 ± 2	30 ± 9	15 ± 8	12.3 ± 5.6
	MAN 10 µM	52 ± 9	1 ± 2	35 ± 12	12 ± 6	10.7 ± 3.9▲
	MAN 50 µM	57 ± 19	4 ± 2	32 ± 16	7 ± 4	8.4 ± 2
	MAN 100 µM	51 ± 4	1 ± 2	42 ± 2	6 ± 2	10.6 ± 1.6
Andropogon leucostachyus	Control	68 ± 8	0 ± 0	2 ± 2	30 ± 8	10.7 ± 4.3
	HYD 9.1 µM	43 ± 18	11 ± 18	3 ± 2	43 ± 9	16.7 ± 4.6▲
	HYD 91 µM	58 ± 10	2 ± 2	3 ± 2	37 ± 10	9.4 ± 2.3

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	HYD 908 µM	1 ± 2	22 ± 21	7 ± 7	70 ± 26	_
	HYD 90838 µM	6 ± 3	20 ± 23	6 ± 7	68 ± 28	_
	KAR 0.01 µM	59 ± 12	2 ± 2	2 ± 2	37 ± 9	11.9 ± 3.7
	KAR 0.1 µM	58 ± 4	3 ± 4	0 ± 0	39 ± 7	11 ± 1.1
	KAR 1 µM	67 ± 16	1 ± 2	1 ± 2	31 ± 15	10.7 ± 4.3
	KAR 10 µM	71 ± 5	0 ± 0	0 ± 0	29 ± 5	9.6 ± 3.4
	MAN 0.1 µM	62 ± 7	0 ± 0	1 ± 2	37 ± 7	10.8 ± 2.6
	MAN 1 µM	58 ± 11	1 ± 2	0 ± 0	41 ± 13	11.4 ± 2.6
	MAN 10 µM	70 ± 6	2 ± 4	0 ± 0	28 ± 6	10 ± 2.1
	MAN 50 µM	63 ± 13	2 ± 3	1 ± 2	36 ± 11	7.7 ± 0.2
	MAN 100 µM	66 ± 13	2 ± 3	2 ± 3	30 ± 12	9.7 ± 2.5

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
Aristida megapotamica	Control	11 ± 8	86 ± 5	0 ± 0	3 ± 4	_
	HYD 9.1 µM	9 ± 7	85 ± 9	0 ± 0	6 ± 5	_
	HYD 91 µM	12 ± 3	79 ± 6	0 ± 0	9 ± 8	_
	HYD 908 µM	18 ± 7	72 ± 15	0 ± 0	11 ± 9	_
	HYD 90838 µM	31 ± 7	57 ± 8	0 ± 0	12 ± 3	_
	KAR 0.01 µM	21 ± 4	64 ± 7	0 ± 0	15 ± 3	_
	KAR 0.1 µM	10 ± 4	78 ± 7	0 ± 0	12 ± 10	_
	KAR 1 µM	24 ± 3	71 ± 6	0 ± 0	6 ± 6	_
	KAR 10 µM	14 ± 5	74 ± 11	0 ± 0	12 ± 7	_
	MAN 0.1 µM	18 ± 12	73 ± 12	0 ± 0	9 ± 2	_

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	MAN 1 µM	13 ± 7	76 ± 11	0 ± 0	11 ± 7	_
	MAN 10 µM	18 ± 6	72 ± 5	0 ± 0	10 ± 9	_
	MAN 50 µM	23 ± 10	67 ± 11	0 ± 0	10 ± 5	_
	MAN 100 µM	28 ± 10	67 ± 7	0 ± 0	5 ± 4	_
Ctenium polystachyum	Control	2 ± 2	97 ± 4	0 ± 0	1 ± 2	_
	HYD 9.1 µM	10 ± 5	90 ± 5	0 ± 0	0 ± 0	_
	HYD 91 µM	14 ± 4	85 ± 5	0 ± 0	1 ± 2	_
	HYD 908 µM	4 ± 3	95 ± 5	0 ± 0	1 ± 2	_
	HYD 90838 µM	9 ± 6	90 ± 5	0 ± 0	1 ± 2	_
	KAR 0.01 µM	19 ± 5	80 ± 6	0 ± 0	1 ± 2	_

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	KAR 0.1 µM	43 ± 19	57 ± 19	0 ± 0	0 ± 0	_
	KAR 1 µM	95 ± 5	5 ± 5	0 ± 0	0 ± 0	1.7 ± 0.1
	KAR 10 µM	100 ± 0	0 ± 0	0 ± 0	0 ± 0	1.6 ± 0
	MAN 0.1 µM	20 ± 11	80 ± 11	0 ± 0	0 ± 0	_
	MAN 1 µM	10 ± 11	90 ± 11	0 ± 0	0 ± 0	_
	MAN 10 µM	29 ± 13	70 ± 12	0 ± 0	1 ± 2	_
	MAN 50 µM	53 ± 14	47 ± 14	0 ± 0	0 ± 0	11.6 ± 2.7▲
	MAN 100 µM	31 ± 8	69 ± 9	0 ± 0	0 ± 0	_
Eriochrysis cayensis	Control	7 ± 9	49 ± 17	27 ± 9	17 ± 4	_
	HYD 9.1 µM	0 ± 0	48 ± 12	25 ± 12	27 ± 8	_

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	HYD 91 µM	2 ± 5	31 ± 10	35 ± 13	32 ± 15	_
	HYD 908 µM	0 ± 0	27 ± 10	41 ± 6	32 ± 5	_
	HYD 90838 µM	0 ± 0	34 ± 13	59 ± 13	7 ± 5	_
	KAR 0.01 µM	2 ± 3	52 ± 18	26 ± 7	20 ± 11	_
	KAR 0.1 µM	2 ± 3	35 ± 6	40 ± 9	23 ± 7	_
	KAR 1 µM	0 ± 0	31 ± 8	37 ± 12	32 ± 12	_
	KAR 10 µM	0 ± 0	46 ± 11	34 ± 25	20 ± 15	_
	MAN 0.1 µM	4 ± 4	34 ± 8	20 ± 5	42 ± 5	_
	MAN 1 µM	2 ± 2	29 ± 15	25 ± 9	44 ± 11	_
	MAN 10 µM	3 ± 4	37 ± 14	27 ± 9	33 ± 10	_
	MAN 50 µM	3 ± 4	39 ± 12	35 ± 8	23 ± 4	_

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	MAN 100 µM	3 ± 7	54 ± 14	24 ± 18	19 ± 16	_
Paspalum pectinatum	Control	79 ± 4	0 ± 0	7 ± 4	14 ± 3	2.3 ± 0.3
	HYD 9.1 µM	78 ± 7	1 ± 3	7 ± 9	14 ± 8	1.8 ± 0.3
	HYD 91 µM	79 ± 18	0 ± 0	1 ± 3	20 ± 16	1.8 ± 0.6
	HYD 908 µM	64 ± 5	0 ± 0	2 ± 5	34 ± 8	2.2 ± 1
	HYD 90838 µM	51 ± 8	0 ± 0	3 ± 4	46 ± 7	3.5 ± 0.7▲
	KAR 0.01 µM	71 ± 6	0 ± 0	0 ± 0	29 ± 6	1.4 ± 0.3
	KAR 0.1 µM	74 ± 9	0 ± 0	0 ± 0	26 ± 9	1.4 ± 0.2
	KAR 1 µM	73 ± 6	0 ± 0	0 ± 0	27 ± 6	1.8 ± 0.4
	KAR 10 µM	76 ± 10	0 ± 0	0 ± 0	24 ± 10	2 ± 0.8

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	MAN 0.1 µM	69 ± 13	2 ± 3	5 ± 4	24 ± 10	2 ± 0.5
	MAN 1 µM	75 ± 7	4 ± 5	5 ± 0	16 ± 11	1.5 ± 0.6
	MAN 10 µM	65 ± 5	6 ± 7	4 ± 2	25 ± 8	2.5 ± 0.9
	MAN 50 µM	71 ± 10	0 ± 0	1 ± 2	28 ± 10	2 ± 0.4
	MAN 100 µM	65 ± 16	0 ± 0	9 ± 6	26 ± 15	2.1 ± 0.5
Saccharum villosum	Control	23 ± 12	66 ± 15	0 ± 0	11 ± 7	_
	HYD 9.1 µM	65 ± 10	27 ± 7	0 ± 0	8 ± 6	3.2 ± 0.5
	HYD 91 µM	65 ± 16	26 ± 20	0 ± 0	9 ± 6	3.4 ± 0.5
	HYD 908 µM	87 ± 12	6 ± 5	0 ± 0	7 ± 7	2.6 ± 0.5
	HYD 90838 µM	77 ± 9	8 ± 3	0 ± 0	15 ± 8	3 ± 0.5

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	KAR 0.01 µM	37 ± 21	54 ± 14	0 ± 0	9 ± 8	_
	KAR 0.1 µM	73 ± 11	19 ± 9	0 ± 0	8 ± 4	3.5 ± 0.5
	KAR 1 µM	47 ± 13	44 ± 16	0 ± 0	9 ± 4	7.1 ± 4.6
	KAR 10 µM	48 ± 15	40 ± 18	0 ± 0	12 ± 4	4.7 ± 0.9▲
	MAN 0.1 µM	73 ± 8	17 ± 5	0 ± 0	10 ± 3	3.7 ± 0.3
	MAN 1 µM	65 ± 26	30 ± 22	0 ± 0	5 ± 6	4.1 ± 1.2
	MAN 10 µM	63 ± 8	34 ± 8	0 ± 0	3 ± 4	3.8 ± 0.8
	MAN 50 µM	73 ± 6	12 ± 9	0 ± 0	15 ± 9	3.3 ± 0.9
	MAN 100 µM	87 ± 5	10 ± 3	0 ± 0	3 ± 4	2.2 ± 0.1
Sorghastrum minarum	Control	79 ± 2	17 ± 1	0 ± 0	3 ± 2	2.3 ± 0.4
	HYD 9.1 µM	82 ± 5	4 ± 5	1 ± 2	13 ± 5	1.4 ± 0.5

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	HYD 91 µM	86 ± 6	6 ± 4	0 ± 0	8 ± 4	1 ± 0.1
	HYD 908 µM	82 ± 8	1 ± 2	5 ± 5	12 ± 9	1.4 ± 0.2
	HYD 90838 µM	15 ± 14	0 ± 0	62 ± 8	23 ± 10	_
	KAR 0.01 µM	69 ± 9	7 ± 7	6 ± 7	18 ± 7	2 ± 0.9
	KAR 0.1 µM	84 ± 12	3 ± 4	2 ± 2	11 ± 9	1.3 ± 0.3
	KAR 1 µM	87 ± 3	3 ± 4	1 ± 2	9 ± 4	1.1 ± 0.2
	KAR 10 µM	76 ± 11	5 ± 8	1 ± 2	18 ± 12	1.2 ± 0.3
	MAN 0.1 µM	77 ± 4	5 ± 4	0 ± 0	17 ± 7	1.3 ± 0.4
	MAN 1 µM	84 ± 3	6 ± 5	0 ± 0	10 ± 3	1.3 ± 0.3
	MAN 10 µM	82 ± 10	2 ± 3	3 ± 4	13 ± 7	1.2 ± 0.2
	MAN 50 µM	90 ± 6	0 ± 0	0 ± 0	10 ± 6	1 ± 0

Species	Treatment	Germination (%)	Viable (%)	Non-viable (%)	Fungi (%)	t50 (days)
	MAN 100 μM	92 ± 4	0 ± 0	0 ± 0	8 ± 4	1 ± 0

Table S3. Parameters estimated by GLMM for germination percentage (binomial, logit link) and by LMM for t50 (Gaussian, identity link), with pairwise comparisons adjusted by Tukey's test of the species evaluated in the control; Hydroquinone (HYD) at 9.1; 91; 908 and 90838 μM; Karrikin (KAR) at 0.01; 0.1; 1 and 10 μM; Mandelonitrile (MAN) at 01; 10; 50 and 100 μM. n/a: Not applicable, control group for Tukey comparisons. Significant P values (< 0.05) are highlighted in bold.

Compound	Treatment	Germination Percentage				t50			
		Estimate	SEM	p-value	p-value Tukey	Estimate	SEM	P-value	p-value Tukey

Hydroquinone	Control	-1.328056	0.852040	0.1191	n/a	5.29201	1.95426	**0.0495**	n/a
	HYD 9.1 μM	0.001449	0.133228	0.9913	1.0000	0.42517	0.67697	0.5327	0.970
	HYD 91 μM	0.309220	0.132297	**0.0194**	0.1332	-0.32753	0.68072	0.6324	0.989
	HYD 908 μM	-0.253672	0.132955	0.0564	0.3130	-0.16375	0.74927	0.8279	0.999
	HYD 90838 μM	-0.916581	0.138797	**4.01e-11**	**< 0.0001**	0.02401	1.17573	0.9838	1.000
Karrikin 1	Control	-1.50097	0.89211	0.09247	n/a	5.1762	1.6003	**0.0171**	n/a
	KAR 0.01 μM	0.08609	0.12366	0.48632	0.9574	-0.1337	0.7121	0.8515	0.9997
	KAR 0.1 μM	0.38695	0.12431	**0.00185**	**0.0159**	-1.1026	0.7471	0.1439	0.5825

	KAR 1 μM	1.01617	0.12905	**3.42e-15**	**< 0.0001**	-0.5797	0.6811	0.3972	0.9138
	KAR 10 μM	0.97334	0.12875	**4.04e-14**	**< 0.0001**	-0.6193	0.6939	0.3748	0.8991
Mandelonitrile	Control	-1.3595	0.8745	0.12003	n/a	5.3905	1.9803	**0.0471**	n/a
	MAN 0.1 μM	0.2090	0.1284	0.10350	0.5798	0.2154	0.6919	0.7563	0.9996
	MAN 1 μM	0.1591	0.1287	0.21660	0.8194	0.7140	0.6617	0.2834	0.8885
	MAN 10 μM	0.3724	0.1286	**0.00379**	**0.0439**	0.1321	0.6919	0.8490	1.0000
	MAN 50 μM	0.7648	0.1301	**4.14e-09**	**< 0.0001**	-0.7952	0.6651	0.2349	0.8380
	MAN 100 μM	0.6181	0.1299	**1.96e-06**	**< 0.0001**	-0.3117	0.6650	0.6404	0.997

Table S4. Parameters estimated by the GLM for germination percentage (binomial, logit link or Gaussian identity link) and t50 (Gaussian, identity link), with pairwise comparisons adjusted by Tukey's test of the species evaluated in the control; Hydroquinone (HYD) at 9.1; 91; 908 and 90838 μM; Karrikin (KAR) at 0.01; 0.1; 1 and 10 μM; Mandelonitrile (MAN) at 01; 10; 50 and 100 μM; -: no test (insufficient germination). n/a: Not applicable, control group for Tukey comparisons. Significant P values (< 0.05) are highlighted in bold.

Species	Treatment	Germination percentage				t50			
		Estimate	SEM	p-value	p-value Tukey	Estimate	SEM	p-value	p-value Tukey
Gymneia interrupta	Control	0.303682	0.236786	0.199661	n/a	7.566667	1.712363	**0.000239**	n/a
	HYD 9.1 μM	-0.210592	0.320437	0.511051	1.0000	4.058333	2.265243	0.087626	0.6319
	HYD 91 μM	0.092213	0.322288	0.774786	1.0000	-	-	-	-

HYD 908 μM	-0.191204	0.318047	0.547718	1.0000	-	-	-	-
HYD 90838 μM	-1.259.194	0.353975	**0.000375**	**0.0256**	-	-	-	-
KAR 0.01 μM	0.127101	0.313648	0.685307	1.0000	-0.529167	2.265243	0.817556	1.000
KAR 0.1 μM	-0.387064	0.312741	0.215845	0.9942	-	-	-	-
KAR 1 μM	0.522996	0.327730	0.110530	0.9477	-2.091667	2.265243	0.366301	0.9801
KAR 10 μM	0.605173	0.328679	0.065588	0.8574	-0.004167	2.265243	0.998550	1.0000
MAN 0.1 μM	-0.542912	0.323065	0.092860	0.9231	-	-	-	-
MAN 1 μM	-0.140053	0.311701	0.653202	1.0000	4.777083	2.265243	**0.047137**	0.4409

	MAN 10 μM	-0.196052	0.314965	0.533642	1.000	-	-	-	-
	MAN 50 μM	-0.002577	0.321084	0.993595	1.000	0.808333	2.421646	0.741844	1.000
	MAN 100 μM	-0.280152	0.321143	0.383013	1.000	3.100000	2.421646	0.214463	0.8963
Andropogon leucostachyus	Control	0.775839	0.22440	**0.000545**	n/a	10.70833	1.49386	**5.63e-08**	n/a
	HYD 9.1 μM	-1.036.122	0.31339	**0.000946**	0.0579	-	-	-	-
	HYD 91 μM	-0.428968	0.30329	0.157256	0.9805	-1.31944	2.28190	0.567	0.9999
	HYD 908 μM	-5.218.490	1.03058	**4.11e-07**	**< 0.0001**	-	-	-	-
	HYD 90838 μM	-3.573.120	0.51240	**3.10e-12**	**< 0.0001**	-	-	-	-

KAR 0.01 μM	-0.470457	0.30284	0.120302	0.9575	1.16667	2.11263	0.585	1.000
KAR 0.1 μM	-0.457385	0.30584	0.134782	0.9688	0.29167	2.11263	0.891	1.000
KAR 1 μM	-0.147230	0.31348	0.638600	1.0000	0.04167	2.11263	0.984	1.000
KAR 10 μM	0.124948	0.32318	0.699034	1.0000	-1.06250	2.11263	0.619	1.000
MAN 0.1 μM	-0.331908	0.31406	0.290594	0.9988	0.14583	2.11263	0.945	1.000
MAN 1 μM	-0.488157	0.30859	0.113673	0.9511	0.70833	2. 28190	0.758	1.000
MAN 10 μM	0.081611	0.31815	0.797553	1.0000	-0.70833	2.11263	0.740	1.000
MAN 50 μM	-0.288136	0.31060	0.353573	0.9997	-3.04167	2. 28190	0.193	0.9550

	MAN 100 µM	-0.132289	0.31554	0.675033	1.0000	-0.95833	2. 211263	0.653	1.000
Aristida megapotamica	Control	-2.15176	0.33410	**1.19e-10**	n/a	-	-	-	n/a
	HYD 9.1 µM	-0.19431	0.48308	0.687519	1.0000	-	-	-	-
	HYD 91 µM	0.15933	0.45423	0.725756	1.0000	-	-	-	-
	HYD 908 µM	0.62827	0.42810	0.142220	0.9733	-	-	-	-
	HYD 90838 µM	1.36900	0.39643	**0.000554**	**0.0363**	-	-	-	-
	KAR 0.01 µM	0.84836	0.41161	**0.039298**	0.7283	-	-	-	-
	KAR 0.1 µM	-0.03429	0.47208	0.942097	1.0000	-	-	-	-

KAR 1 μM	0.98861	0.40512	**0.014676**	0.4505	-	-	-	-
KAR 10 μM	0.33468	0.44838	0.455410	1.0000	-	-	-	-
MAN 0.1 μM	0.61132	0.42318	0.148579	0.9766	-	-	-	-
MAN 1 μM	0.19402	0.45467	0.669580	1.0000	-	-	-	-
MAN 10 μM	0.69833	0.42446	0.099926	0.9341	-	-	-	-
MAN 50 μM	0.97619	0.40493	**0.015920**	0.4722	-	-	-	-
MAN 100 μM	1.16136	0.40543	**0.004176**	0.1931	-	-	-	-
Control	1.962	4.635	0.674293	n/a	-	-	-	n/a

	HYD 9.1 µM	7.885	6.555	0.235744	0.9937	-	-	-	-
	HYD 91 µM	11.731	6.555	0.080712	0.8684	-	-	-	-
	HYD 908 µM	1.962	6.555	0.766215	1.0000	-	-	-	-
	HYD 90838 µM	7.038	6.555	0.289031	0.9979	-	-	-	-
Ctenium polystachyum	KAR 0.01 µM	17.016	6.555	**0.012939**	0.3730	-	-	-	-
	KAR 0.1 µM	40.769	6.555	**1.92e-07**	**< 0.0001**	-	-	-	-
	KAR 1 µM	92.997	6.555	**< 2e-16**	**< 0.0001**	-	-	-	-
	KAR 10 µM	98.038	6.555	**< 2e-16**	**< 0.0001**	-	-	-	-

	MAN 0.1 µM	17.538	6.555	**0.010584**	0.3274	-	-	-	-
	MAN 1 µM	8.038	6.555	0.226882	0.9925	-	-	-	-
	MAN 10 µM	26.885	6.555	**0.000184**	**0.0116**	-	-	-	-
	MAN 50 µM	51.038	6.555	**1.11e-09**	**< 0.0001**	-	-	-	-
	MAN 100 µM	28.984	6.555	**4.422e-05**	**0.0046**	-	-	-	-
Eriochrysis cayensis	Control	-2.5455	0.5192	**9.47e-07**	n/a	-	-	-	n/a
	HYD 9.1 µM	-19.7345	6029.455	0.997	1.0000	-	-	-	-
	HYD 91 µM	-1.3863	1.1354	0.222	0.9949	-	-	-	-

HYD 908 μM	-19.9200	5966.879	0.997	1.0000	-	-	-	-
HYD 90838 μM	-19.6505	6038.692	0.997	1.0000	-	-	-	-
KAR 0.01 μM	-1.1433	0.8844	0.196	0.9913	-	-	-	-
KAR 0.1 μM	-1.5149	1.1344	0.182	0.9883	-	-	-	-
KAR 1 μM	-19.9434	5937.3158	0.997	1.0000	-	-	-	-
KAR 10 μM	-20.0220	5849.008	0.997	1.0000	-	-	-	-
MAN 0.1 μM	-0.6733	0.8886	0.449	1.0000	-	-	-	-
MAN 1 μM	-1.4975	1.1345	0.187	0.9895	-	-	-	-

	MAN 10 µM	-0.7316	0.8880	0.410	0.9999	-	-	-	-
	MAN 50 µM	-0.8722	0.8866	0.325	0.9994	-	-	-	-
	MAN 100 µM	-0.7687	0.8876	0.386	0.9999	-	-	-	-
Paspalum pectinatum	Control	1.31568	0.24010	**4.26e-08**	n/a	2.31875	0.28702	**8.99e-10**	n/a
	HYD 9.1 µM	-0.05455	0.36488	0.881169	1.0000	-0.54048	0.40591	0.1910	0.9780
	HYD 91 µM	-0.01073	0.37026	0.976885	1.0000	-0.49286	0.40591	0.2322	0.9895
	HYD 908 µM	-0.75115	0.33428	**0.024634**	0.5946	-0.06875	0.40591	0.8664	1.000
	HYD 90838 µM	-1.23563	0.33327	**0.000209**	**0.0151**	-	-	-	-

KAR 0.01 μM	-0.43643	0.34925	0.211435	0.9937	-0.91250	0.40591	**0.0305**	0.5651
KAR 0.1 μM	-0.27113	0.35889	0.449961	1.0000	-0.94375	0.40591	**0.0255**	0.5140
KAR 1 μM	-0.28606	0.35427	0.419403	0.9999	-0.46607	0.40591	0.2581	0.9935
KAR 10 μM	-0.16577	0.35630	0.641745	1.0000	-0.29792	0.40591	0.4675	0.9999
MAN 0.1 μM	-0.52722	0.34034	0.121359	0.9585	-0.27708	0.40591	0.4990	1.0000
MAN 1 μM	-0.21706	0.35753	0.543766	1.0000	-0.81875	0.40591	0.0508	0.7159
MAN 10 μM	-0.69664	0.33555	**0.037885**	0.7181	0.18125	0.40591	0.6578	1.0000
MAN 50 μM	-0.38286	0.34016	0.260371	0.9977	-0.31250	0.40591	0.4461	0.9999

	MAN 100 μM	-0.69664	0.33555	**0.037885**	0.7181	-0.19177	0.43844	0.6643	1.0000
Saccharum villosum	Control	-1.2321	0.3037	**4.98e-05**	n/a	-	-	-	n/a
	HYD 9.1 μM	1.7787	0.4050	**1.12e-05**	**0.0009**	-	-	-	-
	HYD 91 μM	1.8343	0.3994	**4.38e-06**	**0.0004**	-	-	-	-
	HYD 908 μM	3.1781	0.4849	**5.58e-11**	**< 0.0001**	-	-	-	-
	HYD 90838 μM	2.4361	0.4230	**8.45e-09**	**< 0.0001**	-	-	-	-
	KAR 0.01 μM	0.6966	0.3979	0.07998	0.8975	-	-	-	-
	KAR 0.1 μM	2.2491	0.4152	**6.05e-08**	**< 0.0001**	-	-	-	-

KAR 1 μM	1.0826	0.3903	**0.00554**	0.2376	-	-	-	-
KAR 10 μM	1.1696	0.3935	**0.00295**	0.1481	-	-	-	-
MAN 0.1 μM	2.2389	0.4051	**3.27e-08**	**< 0.0001**	-	-	-	-
MAN 1 μM	1.8252	0.4077	**7.56e-06**	**0.0006**	-	-	-	-
MAN 10 μM	1.7677	0.3979	**8.89e-06**	**0.0007**	-	-	-	-
MAN 50 μM	2.2491	0.4152	**6.05e-08**	**< 0.0001**	-	-	-	-
MAN 100 μM	3.1600	0.4852	**7.39e-11**	**< 0.0001**	-	-	-	-
Control	1.35812	0.26427	**2.76e-07**	n/a	2.3140	0.1886	**< 5.8e-15**	n/a

	HYD 9.1 µM	0.12615	0.37683	0.7378	1.0000	-0.9182	0.2668	**0.001393**	0.0612
	HYD 91 µM	0.42166	0.39156	0.2815	0.9986	-1.2640	0.2668	**2.85e-05**	**0.0018**
	HYD 908 µM	0.12615	0.37683	0.7378	1.0000	-0.8808	0.2668	**0.002063**	0.0851
	HYD 90838 µM	-3.13590	0.40896	**1.75e-14**	**< 0.0001**	-	-	-	-
Sorghastrum minarum	KAR 0.01 µM	-0.57642	0.35189	0.1014	0.9362	-0.3557	0.2668	0.190208	0.9779
	KAR 0.1 µM	0.30010	0.37980	0.4294	1.0000	-1.0140	0.2668	**0.000494**	**0.0247**
	KAR 1 µM	0.57581	0.40648	0.1566	0.9802	-1.2140	0.2668	**5.11e-05**	**0.0030**
	KAR 10 µM	-0.21869	0.35333	0.5360	1.0000	-1.0952	0.2668	**0.000199**	**0.0109**

MAN 0.1 μM	-0.12598	0.36242	0.7281	1.0000	-0.9598	0.2668	**0.000892**	**0.0417**
MAN 1 μM	0.29328	0.39366	0.4563	1.0000	-1.0015	0.2668	**0.000567**	**0.0280**
MAN 10 μM	0.10339	0.38319	0.7873	1.0000	-1.0952	0.2668	**0.000199**	**0.0109**
MAN 50 μM	1.18085	0.49966	**0.0181**	0.5074	-1.3140	0.2668	**1.58e-05**	**0.0010**
MAN 100 μM	1.06224	0.45382	**0.0192**	0.5243	-1.3140	0.2668	**1.58e-05**	**0.0010**