Supporting Information: Competition between native Honewort (*Cryptotaenia canadensis*) and invasive Dame's Rocket (*Hesperis matronalis*) seedlings is mediated by relative germination timing

February 21, 2022
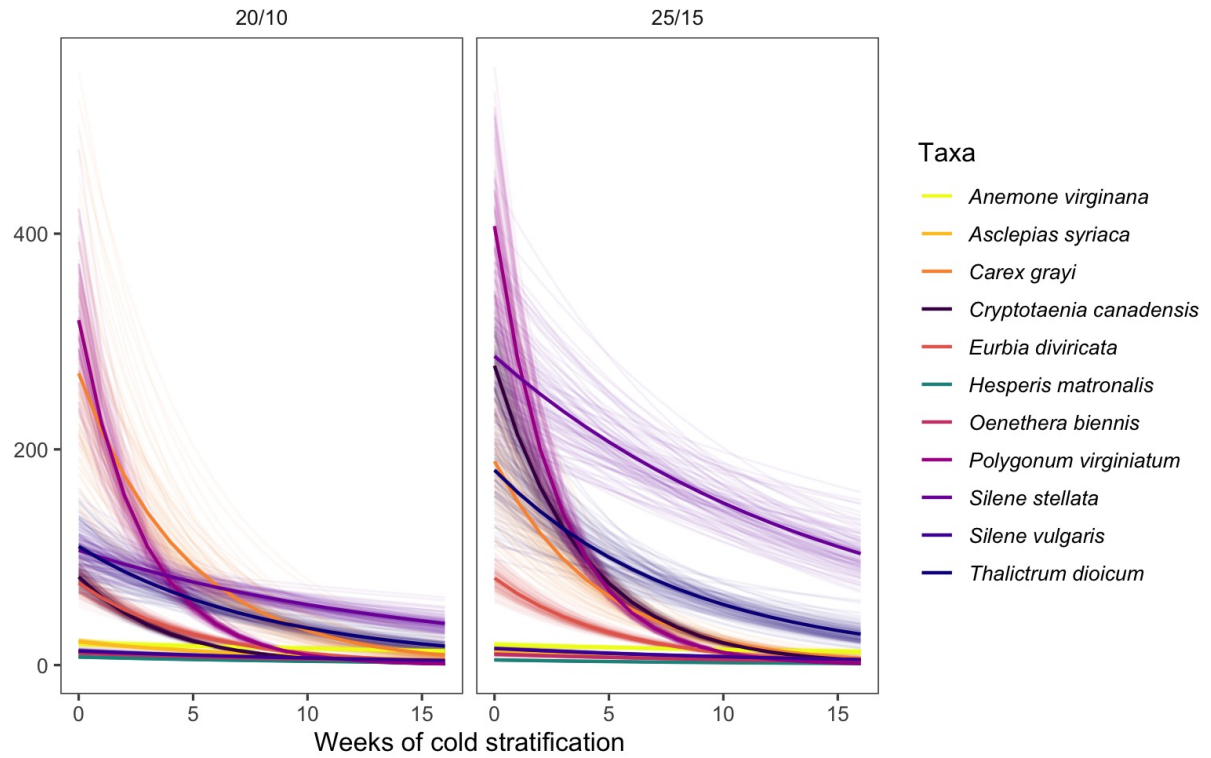
1 Figures

2 Tables

Figure S1: The effects of weeks of cold stratification at 4C on the time to 50% germination of 11 herbacious perennials under a) cool and b) warm (20/10C vs. 25/15C day/night) incubation conditions, estimated with accelerated failure time model. The solid lines indicated indicated the mean estimate, while lighter line depict uncertainly with 100 random draws from the posterior distribution.

		Max germination (%)		Mean germination time (days)	
Stratification	Incubation	C. canadensis	H. matronalis	C. canadensis	H. matronalis
0.00	H	0.07 (0.1)	0.78 (0	15.25 (0	3.11 (0.6
0.00	L	0 (0)	0.75 (0.1	—	4.59 (0.7
2.00	H	0.03 (0)	1 (0	9 (1	2.3 (0.1
2.00	L	0.2 (0.2)	0.82 (0.1	10.25 (0.3	2.57 (0.5
4.00	H	0.18 (0.1)	0.97 (0	9.83 (3.6	2.49 (0.3
4.00	L	0.58 (0.3)	0.82 (0.1	11.06 (1.1	3.5 (0.6
5.00	H	0.08 (0.1)	1 (0	8.44 (4.7	2.33 (0.4
5.00	L	0.85 (0.1)	0.9 (0.1	7.67 (0.5	2.62 (0.6
6.00	H	0.25 (0.2)	0.98 (0	13.5 (6.9	1.91 (0.2
6.00	L	0.77 (0.1)	0.97 (0.1	8.11 (0.4	2.14 (0.2
7.00	H	0.6 (0)	0.87 (0	5.81 (0.2	2 (0
7.00	L	0.97 (0.1)	1 (0	6.29 (0.2	2.15 (0.2
8.00	H	0.5 (0.1)	1 (0	7.4 (0.3	2.06 (0.2
8.00	L	0.98 (0)	0.95 (0	6.09 (0.4	1.94 (0.1
9.00	H	0.6 (0.1)	0.98 (0	5.22 (0.7	1.74 (0.1
9.00	L	1 (0)	0.93 (0.1	6.04 (0.5	1.78 (0
11.00	H	0.73 (0.2)	0.98 (0	4.61 (0.2	1.86 (0.1
11.00	L	0.93 (0.1)	0.93 (0.1	5.04 (0.3	2.11 (0.5
13.00	H	0.77 (0.2)	0.88 (0	4.14 (0.3	1.89 (0.9
13.00	L	1 (0)	0.98 (0	4.16 (0.2	1.42 (0.3

Table S1: Max germination percentages and mean germnation time for our species under all experimental treatment combination. H/L incubation (25 or 20C) and weeks of chilling

	Estimate	Est.Error	Q2.5	Q25	Q75	Q97.5
Intercept	2.59	0.25	2.10	2.41	2.76	3.09
n_Cc	-0.41	0.03	-0.47	-0.43	-0.38	-0.34
n_Hm	0.12	0.03	0.07	0.11	0.14	0.17
priority	0.15	0.03	0.08	0.13	0.17	0.21

Table S2: Estimates from the RGRD models