

Table S3. Results of ANOVA and pairwise comparisons between the mean values for each collection site (see Table 1) and the control (*I. maackii*) by the Dunnett's many-to-one test for the morphometric parameters of seeds.

Pairwise comparisons	MD	Se	t-value	p-value	LM	UM
Seed length (L); ANOVA: $F(7,392) = 130.77, p < 0.0001, \eta^2 = 0.70$						
<i>I. laevigata</i> -2 – <i>I. maackii</i> = 0*	-0.71600	0.08864	-8.078	< 0.001	-0.94948	-0.48252
<i>I. laevigata</i> -3 – <i>I. maackii</i> = 0	-0.10800	0.08096	-1.334	0.643	-0.32127	0.10527
<i>I. laevigata</i> -4 – <i>I. maackii</i> = 0	-0.72400	0.09477	-7.640	< 0.001	-0.97362	-0.47438
<i>I. pseudacorus</i> -5 – <i>I. maackii</i> = 0	1.51200	0.10585	14.285	< 0.001	1.23319	1.79081
<i>I. pseudacorus</i> -6 – <i>I. maackii</i> = 0	1.19200	0.09880	12.064	< 0.001	0.93174	1.45226
<i>I. pseudacorus</i> -7 – <i>I. maackii</i> = 0	0.47200	0.10462	4.512	< 0.001	0.19642	0.74758
<i>I. pseudacorus</i> -8 – <i>I. maackii</i> = 0	0.18800	0.10772	1.745	0.355	-0.09576	0.47176
Seed width (W); ANOVA: $F(7,392) = 496.39, p < 0.0001, \eta^2 = 0.90$						
<i>I. laevigata</i> -2 – <i>I. maackii</i> = 0	-0.47400	0.07991	-5.932	< 0.001	-0.68607	-0.26193
<i>I. laevigata</i> -3 – <i>I. maackii</i> = 0	-0.10600	0.07623	-1.391	0.633	-0.30831	0.09631
<i>I. laevigata</i> -4 – <i>I. maackii</i> = 0	-0.17600	0.10043	-1.753	0.375	-0.44252	0.09052
<i>I. pseudacorus</i> -5 – <i>I. maackii</i> = 0	4.00400	0.13806	29.002	< 0.001	3.63761	4.37039
<i>I. pseudacorus</i> -6 – <i>I. maackii</i> = 0	2.72000	0.11812	23.027	< 0.001	2.40652	3.03348
<i>I. pseudacorus</i> -7 – <i>I. maackii</i> = 0	2.41400	0.09362	25.785	< 0.001	2.16554	2.66246
<i>I. pseudacorus</i> -8 – <i>I. maackii</i> = 0	2.79200	0.08827	31.629	< 0.001	2.55773	3.02627
Seed thickness; ANOVA: $F(7,392) = 87.09, p < 0.0001, \eta^2 = 0.61$						
<i>I. laevigata</i> -2 – <i>I. maackii</i> = 0	0.21000	0.07508	2.797	0.0331	0.01110	0.40890
<i>I. laevigata</i> -3 – <i>I. maackii</i> = 0	0.14800	0.05762	2.569	0.0618	-0.00464	0.30064
<i>I. laevigata</i> -4 – <i>I. maackii</i> = 0	-0.02800	0.06024	-0.465	0.9981	-0.18760	0.13160
<i>I. pseudacorus</i> -5 – <i>I. maackii</i> = 0	1.34200	0.08688	15.447	< 0.001	1.11185	1.57215
<i>I. pseudacorus</i> -6 – <i>I. maackii</i> = 0	1.10000	0.08318	13.225	< 0.001	0.87964	1.32036
<i>I. pseudacorus</i> -7 – <i>I. maackii</i> = 0	0.86200	0.06432	13.402	< 0.001	0.69160	1.03240
<i>I. pseudacorus</i> -8 – <i>I. maackii</i> = 0	0.58600	0.08499	6.895	< 0.001	0.36085	0.81115
L/W ratio; ANOVA: $F(7,392) = 169.05, p < 0.0001, \eta^2 = 0.75$						
<i>I. laevigata</i> -2 – <i>I. maackii</i> = 0	-0.012318	0.023652	-0.521	0.996	-0.074701	0.050065
<i>I. laevigata</i> -3 – <i>I. maackii</i> = 0	0.007178	0.020165	0.356	1.000	-0.046007	0.060364
<i>I. laevigata</i> -4 – <i>I. maackii</i> = 0	-0.093207	0.024026	-3.879	< 0.001	-0.156578	-0.029837
<i>I. pseudacorus</i> -5 – <i>I. maackii</i> = 0	-0.435392	0.023964	-18.169	< 0.001	-0.498598	-0.372186
<i>I. pseudacorus</i> -6 – <i>I. maackii</i> = 0	-0.323667	0.022796	-14.199	< 0.001	-0.383792	-0.263542
<i>I. pseudacorus</i> -7 – <i>I. maackii</i> = 0	-0.383088	0.019862	-19.288	< 0.001	-0.435475	-0.330701
<i>I. pseudacorus</i> -8 – <i>I. maackii</i> = 0	-0.468369	0.018903	-24.777	< 0.001	-0.518227	-0.418511

MD, difference in means; Se, standard error of mean; LM, lower margin of 95% confidence interval; UM, upper margin of 95% confidence interval. * Testing the hypothesis that the difference between the mean values of the variable in a pairwise comparison is zero.