

Supplementary Material

Table S1. Taxa, germination temperature (°C) and seed pre-treatment of the different taxa analysed. GA: gibberellic acid, HP: hydrogen peroxide, ME: mechanical scarification, PN: potassium nitrate, SH: sodium hypochlorite.

Taxon	Temperature (°C) (Light/dark)	Disinfection	Water imbibition	Pre-treatment
<i>Adenocarpus foliolosus</i>	22/19	SH (1%, 3 min)	48 h	ME
<i>Adenocarpus ombriosus</i>	24/19			ME
<i>Aeonium percarneum</i>	22/18			
<i>Anagyris latifolia</i>	19		1 h	ME
<i>Arbutus canariensis</i>	21			GA (500 ppm)
<i>Argyranthemum broussonetii</i>	16	SH (1%, 10 min)	24 h	ME + GA (900 ppm)
<i>Argyrolobium armindae</i>	17	HP (2 min)	72 h	
<i>Bencomia caudata</i>	19		24 h	ME
<i>Bosea yervamora</i>	25/20	SH (1%, 3 min)	72 h	ME
<i>Bryonia verrucosa</i>	22/18	SH (1%, 3 min)	48 h	
<i>Campylanthus salsoloides</i>	25/20			
<i>Canarina canariensis</i>	15 (dark 24h)	SH (1%, 5 min)		
<i>Ceballosia fruticosa</i>	21/19			
<i>Chamaecytisus proliferus</i> subsp. <i>proliferus</i>	22/18			
<i>Cheirolophus arboreus</i>	19	SH (1%, 3 min)	48 h	ME
<i>Cistus grancanariae</i>	24/19	SH (1%, 3 min)	24 h	ME
<i>Clethra arborea</i>	20/18	SH (2%, 10 min)	72 h	
<i>Convolvulus floridus</i>	19			
<i>Crambe sventenii</i>	17/15	SH (1%, 3 min)	72 h	ME
<i>Dendriopoterium pulidoi</i>	22/19	SH (1%, 3 min)	48 h	
<i>Descurainia preauxiana</i>	17	PN (0.2%)		
<i>Dorycnium spectabile</i>	20	SH (1%, 3 min)	24 h	
<i>Dracaena draco</i>	24/19	SH (1%, 3 min)	72 h	GA (250 ppm)
<i>Erica arborea</i>	22/17			
<i>Erysimum albescens</i>	20			
<i>Erysimum bicolor</i>	24/19			

<i>Geranium palmatum</i>	22/17	SH (1%, 3 min)	72 h	
<i>Gonospermum oshanahanii</i>	25			
<i>Ilex canariensis</i>	22/17	SH (1%, 3 min)	72 h	ME
<i>Isoplexis chalcantha</i>	17			
<i>Isoplexis isabelliana</i>	17	HP (5%, 3 min)		
<i>Ixanthus viscosus</i>	22/17			
<i>Justicia hyssopifolia</i>	22/17	SH (1%, 3 min)	72 h	
<i>Kleinia neriifolia</i>	24/19			
<i>Limonium preauxii</i>	19			
<i>Lotus kunkelii</i>	21/19	SH (1%, 3 min)	24 h	
<i>Lotus lancerottensis</i>	24/19		40 min	ME
<i>Navaea phoenicea</i>	24/19	SH (1%, 3 min)	24 h	
<i>Parolinia aridanae</i>	22/16	SH (1%, 3 min)		
<i>Pericallis appendiculata</i>	16	HP (3 min)		
<i>Pericallis hadrosoma</i>	17	SH (1%, 3 min)		
<i>Periploca laevigata</i>	22/19/16	SH (1%, 2 min)	24 h	
<i>Plantago ovata</i>	22/18	HP (3 min) +	24 h	
<i>Ranunculus cortusifolius</i>	20/18/17		18 h	
<i>Retama rhodorhizoides</i>	22/17	SH (1%, 3min)	10 days	ME
<i>Salvia canariensis</i>	20	SH (1%, 3min)		
<i>Schizogyne sericea</i>	24/21/19	SH (1%, 3min)		
<i>Scrophularia calliantha</i>	22/17		48 h	
<i>Semele gayae</i>	20	PN (0.2%)		
<i>Sideritis amagroii</i>	21	HP (2 min) +	24 h	
<i>Sideritis discolor</i>	22/17	HP (2 min) +	24 h	
<i>Solanum lidii</i>	17	SH (1%, 10 min)	48 h	ME
<i>Sventenia bupleuroides</i>	17/15	SH (1%, 3 min)	24 h	

Table S2. Absorbance at 570 nm and germination percentage of the different accessions analysed.

Taxa	Family	Accession	ABS_{570nm}	% Germination
<i>Adenocarpus foliolosus</i>	Fabaceae	4305/B	0.873	75%
<i>Adenocarpus ombriosus</i>	Fabaceae	3682/B	1.774	39%
<i>Adenocarpus ombriosus</i>	Fabaceae	3680/B	1.650	35%
<i>Adenocarpus ombriosus</i>	Fabaceae	3676/B	1.653	10%
<i>Aeonium percarneum</i>	Crassulaceae	4790/B	0.368	86%
<i>Anagyris latifolia</i>	Fabaceae	3694/B	1.419	97%
<i>Anagyris latifolia</i>	Fabaceae	3690/B	0.798	87%
<i>Anagyris latifolia</i>	Fabaceae	2961/B	0.350	86%
<i>Anagyris latifolia</i>	Fabaceae	3702/B	0.950	85%
<i>Anagyris latifolia</i>	Fabaceae	3700/B	1.142	45%
<i>Arbutus canariensis</i>	Ericaceae	2258/B	0.545	0%
<i>Arbutus canariensis</i>	Ericaceae	4821/B	0.178	0%
<i>Argyranthemum broussonetii</i>	Asteraceae	4663/B	1.272	0%
<i>Argyrolobium armindae</i>	Fabaceae	4807/B	0.435	86%
<i>Argyrolobium armindae</i>	Fabaceae	4807/B	1.196	86%
<i>Bencomia caudata</i>	Rosaceae	1730/B	0.350	93%
<i>Bencomia caudata</i>	Rosaceae	4766/B	0.200	57%
<i>Bosea yervamora</i>	Amaranthaceae	3413/B	0.140	33%
<i>Bryonia verrucosa</i>	Cucurbitaceae	5943/B	0.492	50%
<i>Campylanthus salsoloides</i>	Plantaginaceae	5239/B	0.443	36%
<i>Canarina canariensis</i>	Campanulaceae	4528/B	0.269	96%
<i>Ceballosia fruticosa</i>	Boraginaceae	5121/B	0.405	8%
<i>Chamaecytisus proliferus</i>	Magnoliopsida	4204/B	0.267	90%
<i>Chamaecytisus proliferus</i>	Fabaceae	4851/B	0.146	0%
<i>Cheirolophus arboreus</i>	Asteraceae	3772/B	1.193	50%
<i>Cheirolophus arboreus</i>	Asteraceae	3770/B	0.625	41%
<i>Cheirolophus arboreus</i>	Asteraceae	3771/B	1.265	12%
<i>Cistus grancanariae</i>	Cistaceae	4562/B	1.247	82%
<i>Clethra arborea</i>	Clethraceae	2087/B	0.346	0%
<i>Convolvulus floridus</i>	Convolvulaceae	4211/B	0.452	39%
<i>Crambe sventenii</i>	Brassicaceae	3461/B	0.148	20%
<i>Dendriopoterium pulidoi</i>	Rosaceae	4737/B	0.162	0%

<i>Descurainia preauxiana</i>	Brassicaceae	1390/B	0.373	75%
<i>Dorycnium spectabile</i>	Fabaceae	3833/B	1.539	66%
<i>Dorycnium spectabile</i>	Fabaceae	3834/B	1.491	35%
<i>Dorycnium spectabile</i>	Fabaceae	3840/B	1.277	30%
<i>Dracaena draco</i>	Asparagaceae	1955/B	0.034	41%
<i>Erica arborea</i>	Magnoliopsida	5650/B	1.281	88%
<i>Erica arborea</i>	Ericaceae	4234/B	0.608	0%
<i>Erysimum albescens</i>	Brassicaceae	2206/B	0.415	4%
<i>Erysimum albescens</i>	Brassicaceae	1374/B	0.486	64%
<i>Erysimum bicolor</i>	Brassicaceae	5440/B	1.428	92%
<i>Geranium palmatum</i>	Geraniaceae	2086/B	0.540	75%
<i>Gonospermum oshanahanii</i>	Asteraceae	4727/B	1.184	62%
<i>Gonospermum oshanahanii</i>	Asteraceae	2440/B	0.894	33%
<i>Gonospermum oshanahanii</i>	Asteraceae	1330/B	1.169	7%
<i>Gonospermum oshanahanii</i>	Asteraceae	4728/B	0.695	6%
<i>Gonospermum oshanahanii</i>	Asteraceae	4727/B	0.820	62%
<i>Gonospermum oshanahanii</i>	Asteraceae	4728/B	0.820	6%
<i>Ilex canariensis</i>	Aquifoliaceae	2826/B	0.093	0%
<i>Isoplexis chalcantha</i>	Plantaginaceae	5391/B	1.211	80%
<i>Isoplexis isabelliana</i>	Plantaginaceae	529/B	0.640	89%
<i>Isoplexis isabelliana</i>	Plantaginaceae	1236/B	0.557	79%
<i>Isoplexis isabelliana</i>	Plantaginaceae	5183/B	0.609	76%
<i>Isoplexis isabelliana</i>	Plantaginaceae	2204/B	0.547	0%
<i>Ixanthus viscosus</i>	Gentianaceae	4679/B	0.814	92%
<i>Justicia hyssopifolia</i>	Acanthaceae	261/B	0.466	100%
<i>Kleinia neriifolia</i>	Asteraceae	5608/B	1.221	73%
<i>Limonium preauxii</i>	Plumbaginaceae	3113/B	0.126	81%
<i>Lotus kunkelii</i>	Fabaceae	4718/B	1.243	96%
<i>Lotus lancerottensis</i>	Fabaceae	985/B	0.468	84%
<i>Navaea phoenicea</i>	Malvaceae	676/B	0.305	92%
<i>Parolinia aridanae</i>	Brassicaceae	3629/B	1.911	93%
<i>Parolinia aridanae</i>	Brassicaceae	3950/B	1.462	10%
<i>Parolinia aridanae</i>	Brassicaceae	3951/B	1.319	10%
<i>Parolinia aridanae</i>	Brassicaceae	5811/B	1.791	0%

<i>Pericallis appendiculata</i>	Asteraceae	4843/B	1.665	80%
<i>Pericallis hadrosoma</i>	Asteraceae	5574/B	1.078	16%
<i>Periploca laevigata</i>	Apocynaceae	5348/B	1.332	80%
<i>Periploca laevigata</i>	Apocynaceae	3960/B	1.225	40%
<i>Periploca laevigata</i>	Apocynaceae	1840/B	0.685	13%
<i>Periploca laevigata</i>	Apocynaceae	3961/B	1.294	3%
<i>Plantago ovata</i>	Plantaginaceae	2990/B	0.983	76%
<i>Ranunculus cortusifolius</i>	Ranunculaceae	5945/B	0.450	82%
<i>Retama rhodorhizoides</i>	Fabaceae	4796/B	0.349	67%
<i>Salvia canariensis</i>	Lamiaceae	5280/B	0.084	48%
<i>Salvia canariensis</i>	Lamiaceae	3403/B	1.047	86%
<i>Schizogyne sericea</i>	Asteraceae	5645/B	1.451	14%
<i>Scrophularia calliantha</i>	Scrophulariaceae	4613/B	0.392	92%
<i>Semele gayae</i>	Liliopsida	4764/B	0.017	0%
<i>Sideritis amagroii</i>	Lamiaceae	4806/B	0.081	1%
<i>Sideritis discolor</i>	Lamiaceae	4530/B	0.954	48%
<i>Solanum lidii</i>	Solanaceae	184/B	0.073	87%
<i>Solanum lidii</i>	Solanaceae	270/B	0.115	85%
<i>Solanum lidii</i>	Solanaceae	580/B	0.046	52%
<i>Solanum lidii</i>	Solanaceae	610/B	0.022	16%
<i>Sventenia bupleuroides</i>	Magnoliopsida	5585/B	1.143	64%

Table S3. Pearson correlation among absorbance and the different variables analysed.

	Absorbance	Seed area	Seed weight	Germination
Absorbance				
Seed area	-0.199			
Seed weight	-0.085	0.899		
Germination	0.071	0.119	0.066	
Storage time	0.173	0.121	0.127	-0.012