

Appendix S1 – Additional tables

Table S1 – Candidate detection functions, with the respective Δ AIC values, number of estimated parameter (# pars), average detection probability (p) and coefficient of variation (CV(p)). Some candidate detection functions failed to fit, such as the ones with covariates and adjustment terms. See Appendix 2 for more details.

Key	Adjustment	Covariates	AIC	Δ AIC	# pars	p	CV(p)
Hazard rate	-	Height+zone	5746.00	0.00	29.00	0.34	0.03
Half-normal	-	Height+zone	5804.99	58.99	29.00	0.41	0.02
Hazard rate	-	Height + shrub cover	5876.16	130.16	3.00	0.34	0.03
Hazard rate	-	Height	5876.96	130.96	3.00	0.34	0.03
Hazard rate	-	Height + shrub density	5878.44	132.44	3.00	0.34	0.03
Hazard rate	-	Height + Tree density	5878.69	132.69	3.00	0.34	0.03
Half-normal	-	Height+Tree cover	5899.14	153.14	3.00	0.43	0.01
Half-normal	-	Height	5900.98	154.99	2.00	0.43	0.01
Half-normal	-	Height + shrub density	5902.26	156.26	3.00	0.43	0.01
Hazard rate	-	Zone	6062.21	316.21	28.00	0.33	0.04
Hazard rate	-	Tree cover	6125.06	379.06	3.00	0.33	0.04
Hazard rate	Simple polynomial	-	6139.01	393.01	3.00	0.31	0.05
Half-normal	-	Zone	6142.94	396.94	28.00	0.45	0.02
Hazard rate	-	Shrub cover	6162.27	416.27	3.00	0.33	0.04
Hazard rate	-	Shrub density	6162.47	416.48	3.00	0.33	0.04
Half-normal	cos(2,3)	-	6176.26	430.26	2.00	0.37	0.03
Half-normal	-	Tree cover	6236.59	490.59	2.00	0.47	0.01
Half-normal	Hermite polynomial	-	6281.30	535.30	1.00	0.47	0.01
Half-normal	-	Shrub density	6283.03	537.03	2.00	0.47	0.01

Table S2 – Absolute frequency and percentage of cover of shrub species in conservation (CZ) and on non-conservation zones (NCZ). SE – standard error of the mean

Species	CZ	NCZ	Total	% of cover			
	Absolute frequency			Mean	SE	Mean	SE
<i>Cistus salvifolius</i>	39	30	69	3.621	0.254	2.734	0.211
<i>Ulex sp</i>	35	27	62	3.467	0.273	1.385	0.100
<i>Rosmarinus offinalis</i>	17	14	31	0.810	0.132	0.746	0.100
<i>Cistus crispus</i>	19	11	30	1.092	0.139	1.046	0.209
<i>Cistus monspelliensis</i>	13	8	21	0.509	0.069	3.157	0.919
<i>Lavandula stoechas</i>	13	7	20	0.277	0.040	0.237	0.050
<i>Calluna vulgaris</i>	6	3	9	0.527	0.192	0.074	0.018
<i>Hallimium lasiathum</i>	5	3	8	0.491	0.153	0.167	0.036
<i>Cistus ladanifer</i>	5	2	7	1.157	0.375	0.008	0.002
<i>Daphne gnidium</i>	4	1	5	0.088	0.026	0.049	0.018
<i>Quercus lusitanica</i>	1	2	3	0.130	0.040	0.439	0.154
<i>Pterospartum tridentatum</i>	2	0	2	0.074	0.035	0.000	0.000
<i>Rubia peregrina</i>	2	0	2	0.015	0.006	0.000	0.000
<i>Hallimium ocymoides</i>	1	0	1	0.045	0.022	0.000	0.000
<i>Erica australis</i>	1	0	1	0.047	0.022	0.000	0.000
<i>Pistacia lentiscus</i>	0	1	1	0.000	0.000	0.010	0.002
<i>Myrtus communis</i>	1	0	1	0.108	0.045	0.000	0.000