

Appendix

Table S1. Results for the 116 *Shorea* distribution models. The number of unique grid cells in which a species was collected is indicated by “# Records”. The SDM AUC values are given by “AUC”. **Bold** values are significantly deviating from both null-models, *italic* only from the random null-model ( $p < 0.05$ ). Fitted 95% confidence interval (C.I.) AUC values for the random null-model are given by “95% C.I. All”. Fitted 95% C.I. AUC values for the biased corrected null-model are given by “95% C.I. Bias”. Asterisks indicate significant deviance of the SDM from the null-models ( $p < 0.05$ ). The “Area (in %)” indicates the percentage of the total area of Borneo for which a species was predicted to be present, after the sensitivity-specificity sum maximization threshold was applied to the continuous probabilistic Maxent predictions (only given for significant SDMs).

#	Species	# Records	AUC	95% C.I. All	95% C.I. Bias	Area (in %)
1	<i>Shorea bullata</i> P.S.Ashton	5	<b>0.9878</b>	0.9498 *	0.9625 *	3.8
2	<i>S. carapae</i> Ashton	5	0.9014	0.9498	0.9625	
3	<i>S. flemmichii</i> Symington	5	0.8854	0.9498	0.9625	
4	<i>S. hemsleyana</i> King ex Foxw. subsp. <i>grandiflora</i> Brandis P.S.Ashton	5	<b>0.9824</b>	0.9498 *	0.9625 *	4.8
5	<i>S. kudatensis</i> G.H.S. Wood ex Meijer	5	<b>0.9830</b>	0.9498 *	0.9625 *	6.4
6	<i>S. parvistipulata</i> Heim subsp. <i>nebulosa</i> Meijer Ashton	5	<b>0.9868</b>	0.9498 *	0.9625 *	2.4
7	<i>S. pubistyla</i> P.S.Ashton	5	<b>0.9910</b>	0.9498 *	0.9625 *	1.8
8	<i>S. revoluta</i> P.S.Ashton	5	<b>0.9976</b>	0.9498 *	0.9625 *	1.2
9	<i>S. elliptica</i> Burck	6	<b>0.9892</b>	0.9324 *	0.9473 *	5.4
10	<i>S. obovoidea</i> Slooten	6	<b>0.9935</b>	0.9324 *	0.9473 *	1.7
11	<i>S. parvistipulata</i> Heim subsp. <i>albifolia</i> P.S.Ashton	6	0.8618	0.9324	0.9473	
12	<i>S. rubella</i> P.S.Ashton	6	<b>0.9663</b>	0.9324 *	0.9473 *	7.7
13	<i>S. symingtonii</i> G.H.S. Wood	6	<b>0.9898</b>	0.9324 *	0.9473 *	2.2
14	<i>S. agami</i> P.S.Ashton subsp. <i>diminuta</i> Ashton	7	0.9050	0.9150	0.9321	
15	<i>S. asahi</i> P.S.Ashton	7	<b>0.9411</b>	0.9150 *	0.9321 *	17.0
16	<i>S. biawak</i> P.S.Ashton	7	<b>0.9776</b>	0.9150 *	0.9321 *	8.1
17	<i>S. iliasii</i> P.S.Ashton	7	<b>0.9516</b>	0.9150 *	0.9321 *	4.1
18	<i>S. laxa</i> Slooten	7	<b>0.9753</b>	0.9150 *	0.9321 *	6.4
19	<i>S. macrobalanos</i> P.S.Ashton	7	0.8777	0.9150	0.9321	
20	<i>S. pachyphylla</i> Ridl. ex Symington	7	<b>0.9671</b>	0.9150 *	0.9321 *	13.6
21	<i>S. uliginosa</i> Foxw.	7	<b>0.9376</b>	0.9150 *	0.9321 *	14.8
22	<i>S. macrantha</i> Brandis	8	<i>0.9116</i>	0.8977 *	0.9169	4.4
23	<i>S. agami</i> P.S.Ashton subsp. <i>agami</i> P.S.Ashton	9	<b>0.9269</b>	0.8803 *	0.9017 *	20.1
24	<i>S. curtisii</i> Dyer ex King	9	<b>0.9296</b>	0.8803 *	0.9017 *	18.5
25	<i>S. cuspidata</i> P.S.Ashton	9	<b>0.9884</b>	0.8803 *	0.9017 *	5.0
26	<i>S. falcifera</i> Dyer	9	<b>0.9509</b>	0.8803 *	0.9017 *	25.0
27	<i>S. mujongensis</i> P.S.Ashton	9	<i>0.8916</i>	0.8803 *	0.9017 *	7.7
28	<i>S. ovalis</i> Korth. Blume subsp. <i>sarawakensis</i> P.S.Ashton	9	<b>0.9580</b>	0.8803 *	0.9017 *	15.3
29	<i>S. sagittata</i> Ashton	9	<b>0.9492</b>	0.8803 *	0.9017 *	16.4
30	<i>S. teysmanniana</i> Dyer	9	<b>0.9374</b>	0.8803 *	0.9017 *	15.8
31	<i>S. almon</i> Foxw.	10	<i>0.9196</i>	0.8900 *	0.9201	6.7
32	<i>S. dasyphylla</i> Foxw.	10	0.8769	0.8900	0.9201	
33	<i>S. gratissima</i> Wall. ex Kurz Dyer	10	<b>0.9916</b>	0.8900 *	0.9201 *	3.8
34	<i>S. inappendiculata</i> Burck	10	<b>0.9267</b>	0.8900 *	0.9201 *	9.8
35	<i>S. myrionerva</i> Symington	10	<b>0.9292</b>	0.8900 *	0.9201 *	25.1
36	<i>S. parvistipulata</i> Heim subsp. <i>parvistipulata</i>	10	0.8693	0.8900	0.9201	
37	<i>S. slootenii</i> G.H.S. Wood	10	<i>0.8990</i>	0.8900 *	0.9201	12.0
38	<i>S. albida</i> Symington	11	<b>0.9746</b>	0.8821 *	0.9097 *	3.5

39	<i>S. angustifolia</i> Ashton	11	0.8842	0.8821 *	0.9097	30.0
40	<i>S. crassa</i> P.S.Ashton	11	<b>0.9439</b>	0.8821 *	0.9097 *	19.0
41	<i>S. foxworthyi</i> Symington	11	<b>0.9555</b>	0.8821 *	0.9097 *	17.7
42	<i>S. longiflora</i> Brandis Symington	11	0.8696	0.8821	0.9097	
43	<i>S. acuminatissima</i> Symington	12	<b>0.9737</b>	0.8741 *	0.9021 *	12.2
44	<i>S. faguetioides</i> P.S.Ashton	12	0.8799	0.8741 *	0.9021	24.5
45	<i>S. isoptera</i> P.S.Ashton	12	<b>0.9808</b>	0.8741 *	0.9021 *	6.9
46	<i>S. rugosa</i> Heim	12	0.8838	0.8741 *	0.9021	19.1
47	<i>S. andulensis</i> P.S.Ashton	13	<b>0.9623</b>	0.8661 *	0.8973 *	10.2
48	<i>S. balangeran</i> Korth. Burck	13	<b>0.9555</b>	0.8661 *	0.8973 *	13.9
49	<i>S. platycarpa</i> Heim	13	0.8557	0.8661	0.8973	
50	<i>S. stenoptera</i> Burck	13	<b>0.9295</b>	0.8661 *	0.8973 *	15.3
51	<i>S. domatiosa</i> P.S.Ashton	14	<b>0.9701</b>	0.8581 *	0.8953 *	14.6
52	<i>S. macropterafolia</i> P.S.Ashton	14	<b>0.9445</b>	0.8581 *	0.8953 *	13.1
53	<i>S. splendida</i> Ashton	14	0.8736	0.8581 *	0.8953	38.0
54	<i>S. flaviflora</i> G.H.S. Wood ex P.S.Ashton	15	0.9622	0.9480 *	0.9622	16.1
55	<i>S. macroptera</i> Dyer subsp. <i>bailloni</i>	15	<b>0.9737</b>	0.9480 *	0.9622 *	5.9
56	<i>S. retusa</i> Meijer	15	<b>0.9695</b>	0.9480 *	0.9622 *	6.4
57	<i>S. confusa</i> P.S.Ashton	16	<b>0.9882</b>	0.9438 *	0.9595 *	8.1
58	<i>S. exelliptica</i> Meijer	16	0.9569	0.9438 *	0.9595	17.1
59	<i>S. longisperma</i> Roxb.	16	0.9416	0.9438	0.9595	
60	<i>S. platyclados</i> Slooten ex Endert	16	0.9541	0.9438 *	0.9595	8.8
61	<i>S. falciferoides</i> Foxw.	17	<b>0.9702</b>	0.9397 *	0.9569 *	7.9
62	<i>S. patoiensis</i> P.S.Ashton	17	0.9501	0.9397 *	0.9569	17.4
63	<i>S. balanocaroides</i> Symington	18	<b>0.9829</b>	0.9357 *	0.9543 *	5.1
64	<i>S. pilosa</i> P.S.Ashton	18	0.9434	0.9357 *	0.9543	6.6
65	<i>S. superba</i> Foxw.	18	<b>0.9846</b>	0.9357 *	0.9543 *	8.7
66	<i>S. macroptera</i> Dyer	19	0.9241	0.9318	0.9517	
67	<i>S. ovalis</i> Korth. Blume subsp. <i>ovalis</i>	19	<b>0.9561</b>	0.9318 *	0.9517 *	13.5
68	<i>S. brunnescens</i> P.S.Ashton	20	<b>0.9778</b>	0.9280 *	0.9492 *	5.3
69	<i>S. hypoleuca</i> Meijer	20	<b>0.9822</b>	0.9280 *	0.9492 *	8.5
70	<i>S. monticola</i> P.S.Ashton	20	<b>0.9822</b>	0.9280 *	0.9492 *	5.2
71	<i>S. scrobiculata</i> Burck	21	<b>0.9646</b>	0.9243 *	0.9468 *	8.6
72	<i>S. virescens</i> Parijs	21	<b>0.9550</b>	0.9243 *	0.9468 *	16.6
73	<i>S. xanthophylla</i> Symington	21	<b>0.9662</b>	0.9243 *	0.9468 *	6.9
74	<i>S. coriacea</i> Burck	22	<b>0.9643</b>	0.9206 *	0.9444 *	12.0
75	<i>S. palembanica</i> Miq.	22	0.9426	0.9206 *	0.9444	6.2
76	<i>S. venulosa</i> G.H.S. Wood ex Meijer	22	<b>0.9818</b>	0.9206 *	0.9444 *	5.6
77	<i>S. mecistopteryx</i> Ridl.	23	0.9368	0.9170 *	0.9420	13.5
78	<i>S. obscura</i> Meijer	24	0.9251	0.9135 *	0.9397	8.9
79	<i>S. macroptera</i> Dyer subsp. <i>sandakanensis</i> Symington P.S.Ashton	25	<b>0.9575</b>	0.9101 *	0.9374 *	5.4
80	<i>S. ovata</i> Dyer ex Brandis	25	<b>0.9818</b>	0.9101 *	0.9374 *	6.7
81	<i>S. argentifolia</i> Symington	27	<b>0.9396</b>	0.9035 *	0.9330 *	17.8
82	<i>S. havilandi</i> Brandis	27	<b>0.9762</b>	0.9035 *	0.9330 *	10.5
83	<i>S. maxwelliana</i> King	27	<b>0.9604</b>	0.9035 *	0.9330 *	6.7
84	<i>S. ochracea</i> Symington	27	0.9203	0.9035 *	0.9330	14.2
85	<i>S. polyandra</i> P.S.Ashton	27	<b>0.9434</b>	0.9035 *	0.9330 *	22.7
86	<i>S. rubra</i> P.S.Ashton	27	<b>0.9786</b>	0.9035 *	0.9330 *	7.3
87	<i>S. agami</i> P.S.Ashton	28	<b>0.9696</b>	0.9003 *	0.9308 *	11.3
88	<i>S. lamellata</i> Foxw.	28	<b>0.9525</b>	0.9003 *	0.9308 *	10.1
89	<i>S. quadrinervis</i> Slooten	28	<b>0.9515</b>	0.9003 *	0.9308 *	8.0
90	<i>S. kunstleri</i> King	30	0.9136	0.8942 *	0.9267	18.0
91	<i>S. hopeifolia</i> Heim Symington	32	0.8958	0.8883 *	0.9226	16.7
92	<i>S. scaberrima</i> Burck	32	<b>0.9464</b>	0.8883 *	0.9226 *	10.2
93	<i>S. ferruginea</i> Dyer ex Brandis	34	<b>0.9380</b>	0.8827 *	0.9188 *	22.1
94	<i>S. scabrida</i> Symington	34	<b>0.9494</b>	0.8827 *	0.9188 *	18.5
95	<i>S. amplexicaulis</i> Ashton	35	<b>0.9246</b>	0.8800 *	0.9169 *	11.0
96	<i>S. beccariana</i> Burck	35	0.9047	0.8800 *	0.9169	25.7
97	<i>S. parvifolia</i> Dyer subsp. <i>parvifolia</i>	35	0.9104	0.8800 *	0.9169	18.1
98	<i>S. atrinervosa</i> Symington	37	<b>0.9365</b>	0.8748 *	0.9133 *	9.1
99	<i>S. ovalis</i> Korth. Blume	37	<b>0.9546</b>	0.8748 *	0.9133 *	20.0
100	<i>S. bracteolata</i> Dyer	38	<b>0.9533</b>	0.8722 *	0.9115 *	17.4
101	<i>S. guiso</i> Blanco Blume	38	<b>0.9559</b>	0.8722 *	0.9115 *	17.7

102	<i>S. parvifolia</i> Dyer	38	<b>0.9243</b>	0.8722 *	0.9115 *	21.9
103	<i>S. johorensis</i> Foxw.	39	<b>0.9358</b>	0.8698 *	0.9098 *	20.6
104	<i>S. faguetiana</i> Heim	43	<b>0.9348</b>	0.8605 *	0.9032 *	7.4
105	<i>S. macrophylla</i> de Vriese P.S.Ashton	46	<b>0.8819</b>	0.8542 *	0.8987 *	26.8
106	<i>S. smithiana</i> Symington	46	<b>0.9454</b>	0.8542 *	0.8987 *	10.5
107	<i>S. fallax</i> Meijer	47	<b>0.9404</b>	0.8522 *	0.8972 *	10.0
108	<i>S. parvistipulata</i> Heim	52	<b>0.9206</b>	0.8428 *	0.8904 *	12.8
109	<i>S. seminis</i> de Vriese Slooten	55	<b>0.8965</b>	0.8377 *	0.8866 *	30.2
110	<i>S. gibbosa</i> Bandis	68	<b>0.9042</b>	0.8191 *	0.8730 *	18.3
111	<i>S. multiflora</i> Burck Symington	68	<b>0.9272</b>	0.8191 *	0.8730 *	16.9
112	<i>S. laevis</i> Ridl.	69	<b>0.8778</b>	0.8178 *	0.8721 *	19.9
113	<i>S. pauciflora</i> King	73	<b>0.8666</b>	0.8131 *	0.8687	12.5
114	<i>S. pinanga</i> Scheff.	73	<b>0.8609</b>	0.8131 *	0.8687	22.1
115	<i>S. leprosula</i> Miq.	86	<b>0.8872</b>	0.7988 *	0.8593 *	23.5
116	<i>S. parvifolia</i> Dyer subsp. <i>velutinata</i> P.S.Ashton	92	<b>0.8475</b>	0.7923 *	0.8557	21.2

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