The following appendix accompanies the article

Microsatellite conservation and Bayesian individual assignment in four *Anguilla* species

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Appendix 1. *Anguilla* spp. Allele designation and frequencies per locus and species (N: number of genotyped individuals per species; H_o: observed heterozygosity per locus; H_e: expected heterozygosity per locus). Loci designated AAN or ANG have *A. anguilla* as source species; ARO loci originate from *A. rostrata*

Locus/ species	*A. anguilla* (AA) N = 180	*A. rostrata* (AR) N = 138	*A. japonica* (AJ) N = 51	*A. marmorata* (AM) N = 30
AAN 01				
173	0	0	1	0
205	0	0.0038	0	0
213	0.0059	0.0075	0	0
217	0.0355	0.015	0	0
219	0.0947	0.0226	0	0
221	0.003	0.0451	0	0.037
223	0.0089	0.1241	0	0.1481
225	0.0118	0.2519	0	0.0741
227	0.0059	0.0338	0	0.4444
229	0.0355	0.015	0	0.1667
231	0.0325	0.0902	0	0
233	0.4024	0.3195	0	0.0185
235	0.2988	0.0451	0	0
237	0.0444	0.0038	0	0.1111
239	0.0118	0.015	0	0
243	0.0059	0	0	0
245	0.003	0	0	0
247	0	0.0038	0	0
251	0	0.0038	0	0
H_e	0.7338	0.8044	0	0.7332
H_o	0.716	0.7669	0	0.5185
AAN 03				
148	0	0.0187	0	0
154	0.0029	0	0	0
158	0.0029	0	0	0
170	0	0.0037	0	0
172	0	0.0149	0	0
174	0.0857	0.6418	0.9896	0.95
176	0.88	0.0485	0	0.05
178	0.0257	0.2537	0	0
180	0.0029	0.0187	0.0104	0
H_e	0.2176	0.5204	0.0206	0.095
H_o	0.2114	0.5149	0.0208	0.0333
AAN 05				
168	0	0	0	0.0333
174	0.0061	0.0075	0	0
176	0.0274	0.0037	0	0
178	0.003	0.0075	0.0217	0.1
180	0.003	0.0448	0	0.7
182	0.003	0.6567	0.0109	0.1667
184	0.0091	0.2052	0	0
186	0.2165	0.0112	0.6304	0
188	0.4909	0.0448	0.3043	0
(**AAN 05** continued)				
190	0.0945	0.0187	0	0
192	0.1311	0	0	0
194	0.0152	0	0	0
196	0	0	0.0326	0
H_e	0.685	0.522	0.5083	0.4711
H_o	0.7012	0.5	0.4348	0.4
ANG 075				
97	0	0	0.0185	0
99	0.0063	0.004	0.0185	0
101	0.0094	0.004	0	0
103	0.0125	0.044	0	0
105	0.0594	0.024	0	0
107	0.0281	0.048	0.037	0
109	0.0844	0.06	0	0.037
111	0.075	0.068	0.0185	0.0185
113	0.1	0.084	0.0185	0
115	0.1469	0.092	0.0185	0.037
117	0.0719	0.128	0.037	0.0556
119	0.1156	0.104	0.0556	0.1296
121	0.0688	0.092	0.1111	0.2407
123	0.0188	0.032	0.037	0.1481
125	0.0594	0.028	0.0185	0.0741
127	0.0562	0.032	0	0.037
129	0.0313	0.032	0.0185	0.037
131	0.0188	0.02	0.037	0.037
133	0.0094	0.028	0.0185	0
135	0.0125	0.028	0.037	0
137	0.0063	0	0	0
139	0.0094	0.016	0.0185	0.0185
141	0	0.008	0	0.037
143	0	0.008	0	0
145	0	0	0.0185	0
147	0	0.004	0	0
149	0	0.004	0	0.0556
151	0	0.004	0.0185	0.037
153	0	0	0.0741	0
155	0	0.004	0.037	0
157	0	0	0.1296	0
163	0	0	0.037	0
165	0	0	0.0185	0
169	0	0	0.0185	0
173	0	0	0.0556	0
179	0	0	0.037	0

Appendix 1 (continued)

Locus/ species	*A. anguilla* (AA) N = 180	*A. rostrata* (AR) N = 138	*A. japonica* (AJ) N = 51	*A. marmorata* (AM) N = 30
(**ANG 075** continued)				
185	0	0	0.037	0
H_e	0.9191	0.9295	0.9424	0.8813
H_o	0.525	0.664	0.3704	0.2593
ANG 151				
151	0	0.0038	0	0
153	0	0.0077	0	0
159	0	0.0038	0.0106	0
161	0.0057	0	0	0
165	0.0201	0.0077	0	0
167	0.1063	0.0115	0	0
169	0.023	0.0269	0	0
171	0.0345	0.0577	0.0106	0
173	0.181	0.1	0	0
175	0.0489	0.1154	0	0
177	0.0546	0.1654	0	0
179	0.0833	0.1115	0.0106	0.9667
181	0.2184	0.0923	0.5745	0
183	0.1121	0.0885	0.234	0
185	0.0431	0.0731	0.0532	0
187	0.0316	0.05	0.0851	0.0167
189	0.0086	0.0269	0.0106	0.0167
191	0.0086	0.0154	0	0
193	0.0029	0.0038	0.0106	0
195	0	0.0115	0	0
197	0	0.0077	0	0
199	0	0.0115	0	0
201	0	0.0077	0	0
203	0.0086	0	0	0
207	0.0057	0	0	0
213	0.0029	0	0	0
H_e	0.8781	0.907	0.6046	0.065
H_o	0.7931	0.8231	0.5957	0.0333
ARO 054				
141	0.0029	0.0039	0	0
143	0.0029	0	0	0
145	0	0	0	0.0167
147	0.0029	0.0078	0	0
149	0.1082	0.0156	0.0238	0
151	0.0497	0.0117	0.0238	0.0333
153	0.1082	0.0117	0.2024	0.1167
155	0.0936	0.2617	0.0952	0.2
157	0.1228	0.2383	0.3452	0.35
159	0.2047	0.1563	0.1429	0.0333
161	0.1433	0.1563	0.0714	0
163	0.0702	0.0703	0.0357	0.05
165	0.0234	0.0156	0.0119	0.1167
167	0.0263	0.0117	0.0119	0.05
169	0.0146	0.0234	0.0238	0.0167
171	0.0088	0.0039	0.0119	0
173	0.0058	0.0039	0	0
175	0.0058	0.0078	0	0
177	0.0058	0	0	0
179	0	0	0	0.0167
H_e	0.8813	0.8193	0.8019	0.8022
H_o	0.7895	0.7422	0.7143	0.8
ARO 063				
145	0	0.0038	0	0
156	0.0089	0.0189	0	0
157	0.003	0.0265	0	0
158	0	0.0114	0	0
159	0	0.0114	0	0
160	0	0.0265	0	0

Locus/ species	*A. anguilla* (AA) N = 180	*A. rostrata* (AR) N = 138	*A. japonica* (AJ) N = 51	*A. marmorata* (AM) N = 30
(**ARO 063** continued)				
161	0.0089	0.0114	0	0
162	0.0089	0.0189	0	0
163	0	0.0303	0	0
164	0.0059	0.0038	0	0
165	0	0.0038	0	0
166	0	0.0114	0.0119	0
167	0	0.0189	0	0
168	0.0118	0.0076	0	0
169	0.0148	0.0076	0	0
170	0.0059	0.0076	0	0
171	0.0118	0.0152	0	0
172	0.0059	0.0152	0	0.0345
173	0.0059	0.0076	0	0
174	0	0.0076	0.0595	0.0345
175	0.003	0.0303	0.0238	0
176	0.0118	0.0303	0.0238	0
177	0.0237	0.0341	0.1548	0
178	0.0325	0.0038	0.0357	0.0172
179	0.0118	0.0795	0.0238	0
180	0.0917	0.1023	0.0119	0
181	0.074	0.0341	0.0119	0
182	0.0444	0.0265	0	0
183	0.0444	0.0303	0.0119	0
184	0.068	0.0303	0	0
185	0.0799	0.0152	0.0476	0.0172
186	0.1065	0.0379	0	0.0172
187	0.068	0.0227	0.0476	0
188	0.0385	0.0265	0	0
189	0.0059	0.0038	0.0476	0
190	0.0207	0.0341	0	0
191	0.0237	0.0227	0.0238	0.0862
192	0.0266	0.0114	0	0
193	0.0266	0.0152	0.0357	0.069
194	0.0207	0.0038	0	0
195	0.0059	0.0076	0.0119	0.0517
196	0.0089	0.0379	0	0.0172
197	0.0118	0.0265	0.0476	0.0517
198	0.0118	0.0152	0.0238	0.0345
199	0	0.0038	0.0119	0.0517
200	0	0.0038	0.0357	0
201	0.0178	0.0038	0.0238	0.0345
202	0.003	0.0076	0	0.0172
203	0.0089	0.0038	0	0.0517
204	0.0059	0.0076	0.0119	0
205	0	0	0.0238	0.0517
206	0	0	0.0238	0.0345
207	0	0.0038	0	0.0517
209	0.0059	0.0038	0.0119	0.0172
211	0	0.0114	0	0.0345
212	0	0.0038	0.0238	0
213	0	0	0.0238	0.0517
214	0.0059	0	0.0357	0
215	0	0	0	0.0517
216	0	0	0.0238	0
217	0	0	0	0.0172
218	0	0	0.0238	0
219	0	0	0.0119	0.0172
220	0	0	0.0119	0
221	0	0	0	0.0172
223	0	0	0	0.0172
225	0	0	0.0119	0.0172
226	0	0	0	0.0172

Appendix 1 (continued)

Locus/ species	*A. anguilla* (AA) N = 180	*A. rostrata* (AR) N = 138	*A. japonica* (AJ) N = 51	*A. marmorata* (AM) N = 30
(**ARO 063** continued)				
231	0	0	0	0.0172
234	0	0	0.0238	0
238	0	0	0.0119	0
H_e	0.9471	0.9641	0.9493	0.9554
H_o	0.9349	0.9091	0.7857	0.7586
ARO 095				
97	0	0	0.0114	0
99	0	0	0.0114	0
101	0	0	0.1364	0
103	0	0	0.0114	0
105	0	0	0.0114	0.0345
107	0.0169	0.0522	0.0227	0.0345
109	0.0085	0.0224	0.0455	0
111	0.0734	0.1119	0.0682	0.1897
113	0.0932	0.0784	0.2273	0.0345
115	0.048	0.1381	0.1364	0.0862

Locus/ species	*A. anguilla* (AA) N = 180	*A. rostrata* (AR) N = 138	*A. japonica* (AJ) N = 51	*A. marmorata* (AM) N = 30
(**ARO 095** continued)				
117	0.1469	0.1119	0.0568	0.1724
119	0.1864	0.1343	0.0568	0.2069
121	0.1328	0.097	0.0227	0.0517
123	0.0989	0.0896	0.0455	0.0345
125	0.0706	0.0709	0.0455	0.0517
127	0.048	0.0522	0.0114	0.0345
129	0.0311	0.0037	0.0455	0.0345
131	0.0198	0	0	0.0172
133	0.0056	0.0075	0.0114	0
135	0.0085	0.0075	0.0114	0.0172
137	0.0085	0.0037	0	0
139	0.0028	0.0075	0.0114	0
169	0	0.0075	0	0
185	0	0.0037	0	0
H_e	0.8907	0.903	0.8897	0.871
H_o	0.8249	0.7313	0.8182	0.8276