

Supplementary Material: Phylogenetic affinities of the Whenua Hou Diving Petrel: Implications for conservation

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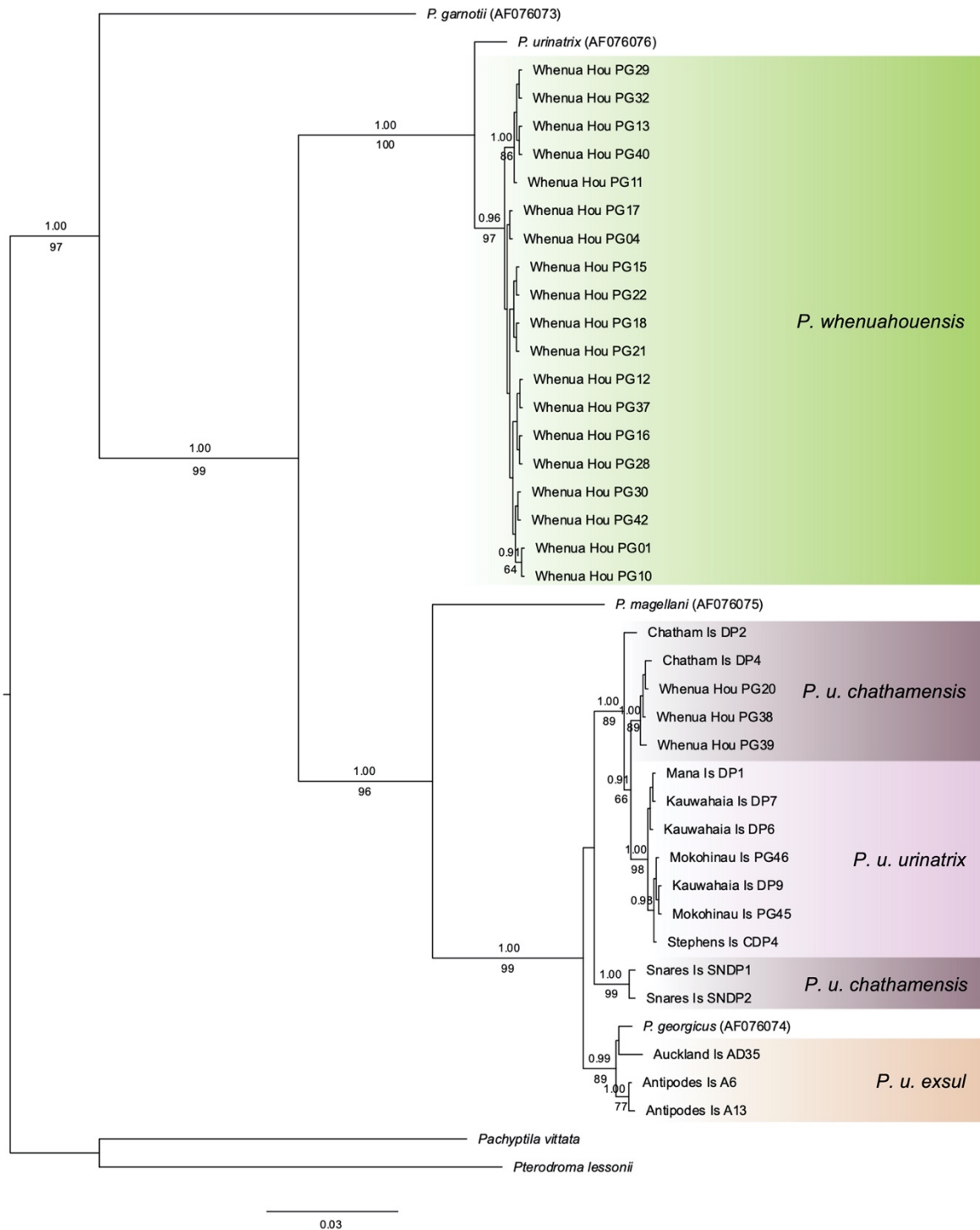


Figure S1. Bayesian consensus phylogeny constructed from 1117 bp alignment of cytochrome b. Bayesian posterior probabilities larger than 0.50 are shown on top of branches. Maximum likelihood bootstrap values above 50 are given below branches (for tree topologies matching Bayesian results). Previously published *Pelecanoides* sequences are labelled with their species names and GenBank accessions given in parentheses.

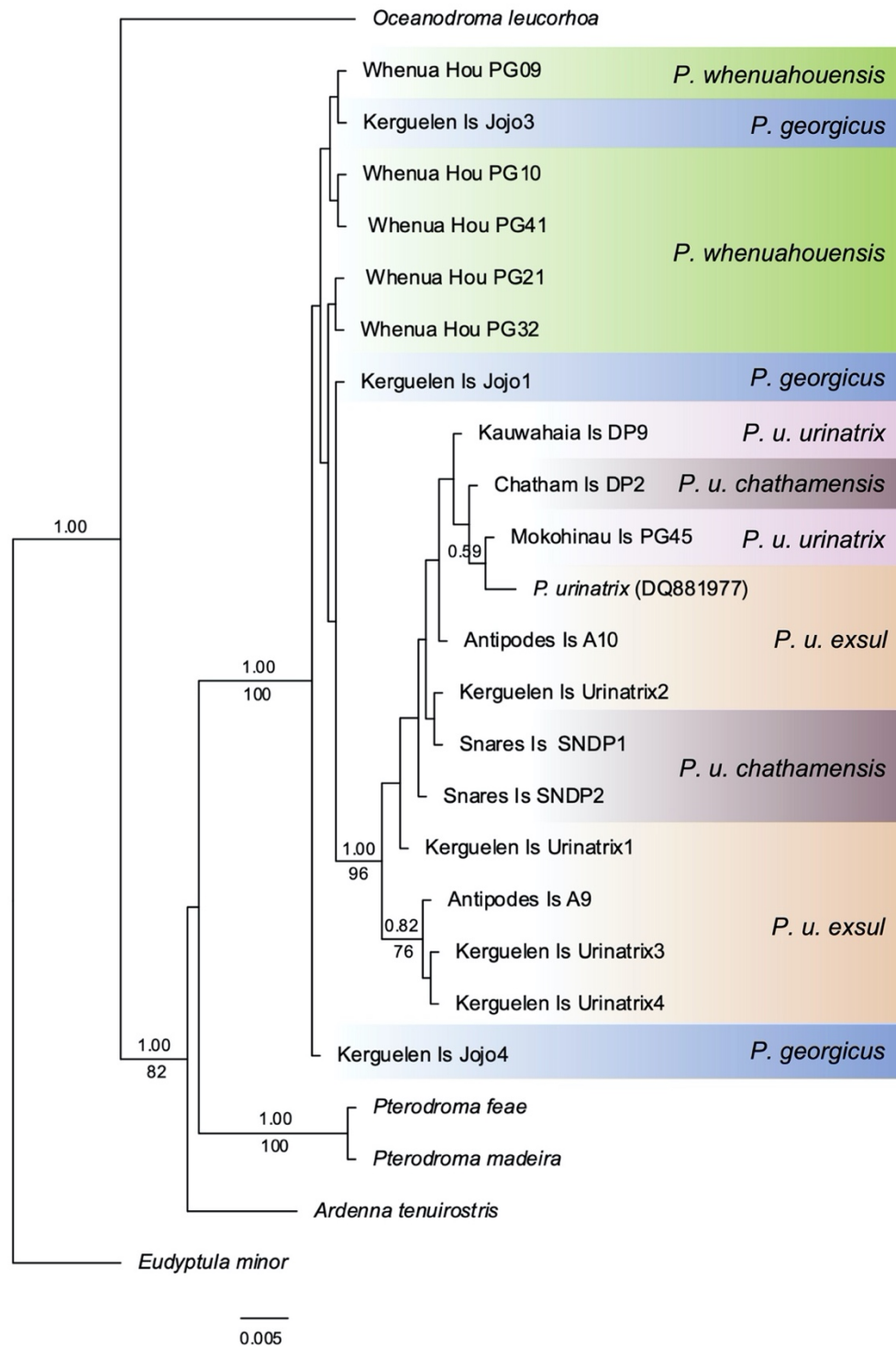


Figure S2. Bayesian consensus phylogeny constructed for a 534 bp alignment of β -fibint7. Bayesian posterior probabilities larger than 0.50 are shown on top of branches. Maximum likelihood bootstrap values above 50 are given below branches (for tree topologies matching Bayesian results). Previously published *Pelecanoides* sequences are labelled with their species names and GenBank accessions given in parentheses.

Table S1. Sample information for diving petrel specimens. * cyt b/ β -fibint7 isolate refers to the isolate name used for NCBI sequence submission. Only one representative sequence was submitted for identical cyt b haplotypes/ β -fibint7 sequences. ** If a long fragment could be amplified for cyt b only the sequence of the long fragment was submitted to NCBI.

Taxon	Sampling location	Sample name	Collection date	Cyt b fragment size	β -fibint7 amplification	Cyt b isolate* **	β -fibint7 isolate*	Cyt b GenBank Accession	β -fibint7 GenBank accession
<i>P. u. exsul</i>	Antipodes Is, Hut, NZ sub-Antarctic	A10	13.02.2011	NA	yes	NA	DP2	NA	MW368836
<i>P. u. exsul</i>	Antipodes Is, Hut, NZ sub-Antarctic	A13	13.02.2011	1117 bp	NA	A13	NA	MW368864	NA
<i>P. u. exsul</i>	Antipodes Is, Hut, NZ sub-Antarctic	A6	13.02.2011	1117 bp	NA	A6	NA	MW368863	NA
<i>P. u. exsul</i>	Antipodes Is, Hut, NZ sub-Antarctic	A9	13.02.2011	NA	yes	NA	A9	NA	MW368837
<i>P. u. exsul</i>	Adams Is, Auckland Islands	AD35	NA	1117 bp	NA	AD35	NA	MW368865	NA
<i>P. u. urinatrix</i>	Mana Is, NZ	DP1	NA	1117 bp	NA	DP1	NA	MW368859	NA
<i>P. u. urinatrix</i>	Kauwahaia Is, Bethells Beach	DP6	NA	1117 bp	NA	DP1	NA	MW368859	NA
<i>P. u. urinatrix</i>	Kauwahaia Is, Bethells Beach	DP7	26.08.1997	1117 bp	NA	DP1	NA	MW368859	NA
<i>P. u. urinatrix</i>	Kauwahaia Is, Bethells Beach	DP9	30.08.1997	1117 bp	yes	PG46	DP9	MW368860	MW368840
<i>P. u. urinatrix</i>	Mokohinau Is, Burgess Is, Lighthouse, Hauraki Gulf	PG45	09.10.2010	1117 bp	yes	PG46	PG45	MW368860	MW368843
<i>P. u. urinatrix</i>	Mokohinau Is, Lizard Is, Hauraki Gulf	PG46	16.10.2010	1117 bp	NA	PG46	NA	MW368860	NA
<i>P. u. urinatrix</i>	Stephen Is, Cook Strait	CDP4A	NA	1117 bp	NA	PG46	NA	MW368860	NA
<i>P. u. chathamensis</i>	Tuku Valley, Chatham Islands	DP2	03.10.1996	1117 bp	yes	DP2	DP2	MW368855	MW368836
<i>P. u. chathamensis</i>	Tuku Valley, Chatham Islands	DP4	01.11.1997	1117 bp	NA	DP4	NA	MW368856	NA
<i>P. u. chathamensis</i>	Snares, NZ	SNDP1	NA	1117 bp	yes	SNDP1	Urinatrix2	MW368861	MW368835
<i>P. u. chathamensis</i>	Snares, NZ	SNDP2	NA	1117 bp	yes	SNDP2	Urinatrix2	MW368862	MW368835

<i>P. u. urinatrix</i>	Whenua Hou, NZ	PG20	29.11.2008	1117 bp	<i>NA</i>	PG20	<i>NA</i>	MW368857	<i>NA</i>
<i>P. u. urinatrix</i>	Whenua Hou, NZ	PG38	01.12.2008	1117 bp	<i>NA</i>	PG20	<i>NA</i>	MW368857	<i>NA</i>
<i>P. u. urinatrix</i>	Whenua Hou, NZ	PG39	01.12.2008	1117 bp	<i>NA</i>	PG39	<i>NA</i>	MW368858	<i>NA</i>
<i>P. u. exsul</i>	Ile aux Cochons, Kerguelen	Urinatrix1	13.01.2016	423 bp	yes	Urinatrix1	Urinatrix1	MW368849	MW368841
<i>P. u. exsul</i>	Ile aux Cochons, Kerguelen	Urinatrix2	11.01.2016	423 bp	yes	Urinatrix1	Urinatrix2	MW368849	MW368835
<i>P. u. exsul</i>	Ile aux Cochons, Kerguelen	Urinatrix3	11.01.2016	423 bp	yes	Urinatrix1	A9	MW368849	MW368837
<i>P. u. exsul</i>	Ile aux Cochons, Kerguelen	Urinatrix4	12.01.2016	423 bp	yes	Urinatrix4	Urinatrix4	MW368848	MW368842
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG01	27.11.2008	1117 bp	<i>NA</i>	PG01	<i>NA</i>	MW368853	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG04	<i>NA</i>	1117 bp	<i>NA</i>	PG12	<i>NA</i>	MW368854	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG09	27.11.2008	<i>NA</i>	yes	<i>NA</i>	PG09	<i>NA</i>	MW368838
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG10	28.11.2008	1117 bp	yes	PG01	PG10	MW368853	MW368839
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG11	28.11.2008	1117 bp	<i>NA</i>	PG29	<i>NA</i>	MW368852	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG12	28.11.2008	1117 bp	<i>NA</i>	PG12	<i>NA</i>	MW368854	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG13	28.11.2008	1117 bp	<i>NA</i>	PG29	<i>NA</i>	MW368852	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG15	28.11.2008	1117 bp	<i>NA</i>	PG12	<i>NA</i>	MW368854	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG16	29.11.2008	1117 bp	<i>NA</i>	PG12	<i>NA</i>	MW368854	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG17	29.11.2008	1117 bp	<i>NA</i>	PG12	<i>NA</i>	MW368854	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG18	29.11.2008	1117 bp	<i>NA</i>	PG12	<i>NA</i>	MW368854	<i>NA</i>
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG21	29.11.2008	1117 bp	yes	PG12	Jojo1	MW368854	MW368834
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG22	29.11.2008	1117 bp	<i>NA</i>	PG12	<i>NA</i>	MW368854	<i>NA</i>

<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG28	29.11.2008	1117 bp	NA	PG12	NA	MW368854	NA
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG29	30.11.2008	1117 bp	NA	PG29	NA	MW368852	NA
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG30	30.11.2008	1117 bp	NA	PG12	NA	MW368854	NA
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG32	30.11.2008	1117 bp	yes	PG29	Jojo1	MW368852	MW368834
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG37	01.12.2008	1117 bp	NA	PG12	NA	MW368854	NA
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG40	01.12.2008	1117 bp	NA	PG29	NA	MW368852	NA
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG41	01.12.2008	NA	yes	NA	Jojo1	NA	MW368834
<i>P. whenuahouensis</i>	Whenua Hou, NZ	PG42	01.12.2008	1117 bp	NA	PG12	NA	MW368854	NA
<i>P. georgicus</i>	Ile aux Cochons, Kerguelen	Jojo1	09.01.2016	423 bp	yes	Jojo3	Jojo1	MW368850	MW368834
<i>P. georgicus</i>	Ile aux Cochons, Kerguelen	Jojo2	09.01.2016	423 bp	NA	Jojo3	NA	MW368850	NA
<i>P. georgicus</i>	Ile aux Cochons, Kerguelen	Jojo3	09.01.2016	423 bp	yes	Jojo3	Jojo1	MW368850	MW368834
<i>P. georgicus</i>	Ile aux Cochons, Kerguelen	Jojo4	11.01.2016	423 bp	yes	Jojo4	Jojo1	MW368851	MW368834
Museum skins									
<i>P. urinatrix</i>	Near South Georgia	OR.028632	05.08.2007	405 bp	NA	OR028632	NA	MW368847	NA
<i>P. u. berard</i>	At sea, near Sth Georgia	OR.012760	13.03.1966	307 bp	NA	OR021634	NA	MW368844	NA
<i>P. u. berard</i>	Kidney Island, Falkland Islands	OR.021634	17.11.1915	307 bp	NA	OR021634	NA	MW368844	NA
<i>P. whenuahouensis</i>	Dundas Island, Auckland Islands	OR.021631	28.10.1943	307 bp	NA	OR018421	NA	MW368845	NA
<i>P. georgicus</i>	Cumberland Bay, South Georgia	OR.018421	10.01.1915	307 bp	NA	OR018421	NA	MW368845	NA
<i>P. georgicus</i>	Atlas Cove, Heard Island	OR.024771	12.02.1992	405 bp	NA	OR024771	NA	MW368846	NA
<i>P. georgicus</i>	Crozet Islands	OR.023102	16.12.1908	NA	NA	NA	NA	NA	NA
