Appendix 1 Sample details

Gel label	Original sample label	Sex
a	-· L Boat Bay ♂ breeding 18.12.91	♂
b	_. Blue ♂ Boat Bay Peninsular 18.12.91	♂
c	_. G ♀ Boat Bay 18.12.91	♀
d	_. W ♂ Boat Bay little blood! 18.12.91	♂
e	_. R ♂ Boat Bay one of pr 18 12 91	♂
f	♂A Ad E. Coast 20.12.91	♂
g	♂ B E. Coast 20.12.91	♂
h	♂ G E. Coast 20.12.91	♂
i	Chasm ♂ E. Coast 20.12.91 A I Teal	♂
j	E. Coast J ♀ Track exit 20.12.91 A I Teal	♀
k	Ad ♀ E. side nest 24 A I Teal 20.12.91	♀
l	S - 71718 White ♂ A I Teal	♂
m	♂ 71720 A I Teal	♂
n	LGM ♀ Spit 72901 A I Teal	♀
o	72903 A I Teal	♀
p	MO ♂ 72904 A I Teal	♂
J1	Juv 1 (Captive) A I Teal	?
J2	Juv.2 (Captive) A I Teal	?
♂	Adult ♂ (Captive) A I Teal	♂
♀	Adult ♀ (Captive) A I Teal	♀

List of figure legends

Figure 1. Sites of collection of blood samples of Auckland Island teals.

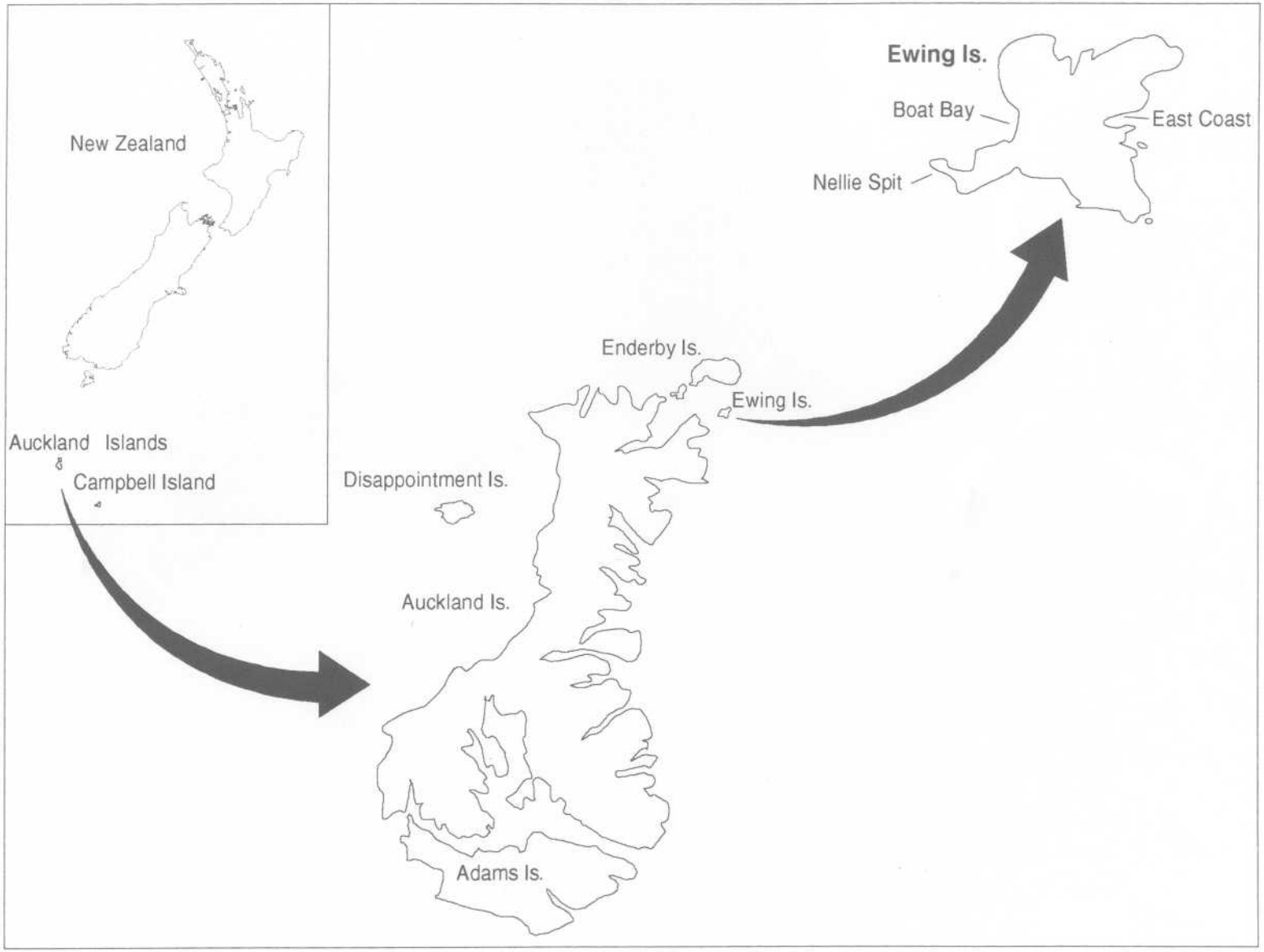
Figure 2. Multilocus DNA profiles of *Hae*III digested DNA from Auckland Island teals hybridised to minisatellite DNA probes pV47-2, 33.15 and 3'HVR. Profiles belonging to individuals from the three localities on Ewing Island are indicated. Molecular weight markers are shown.

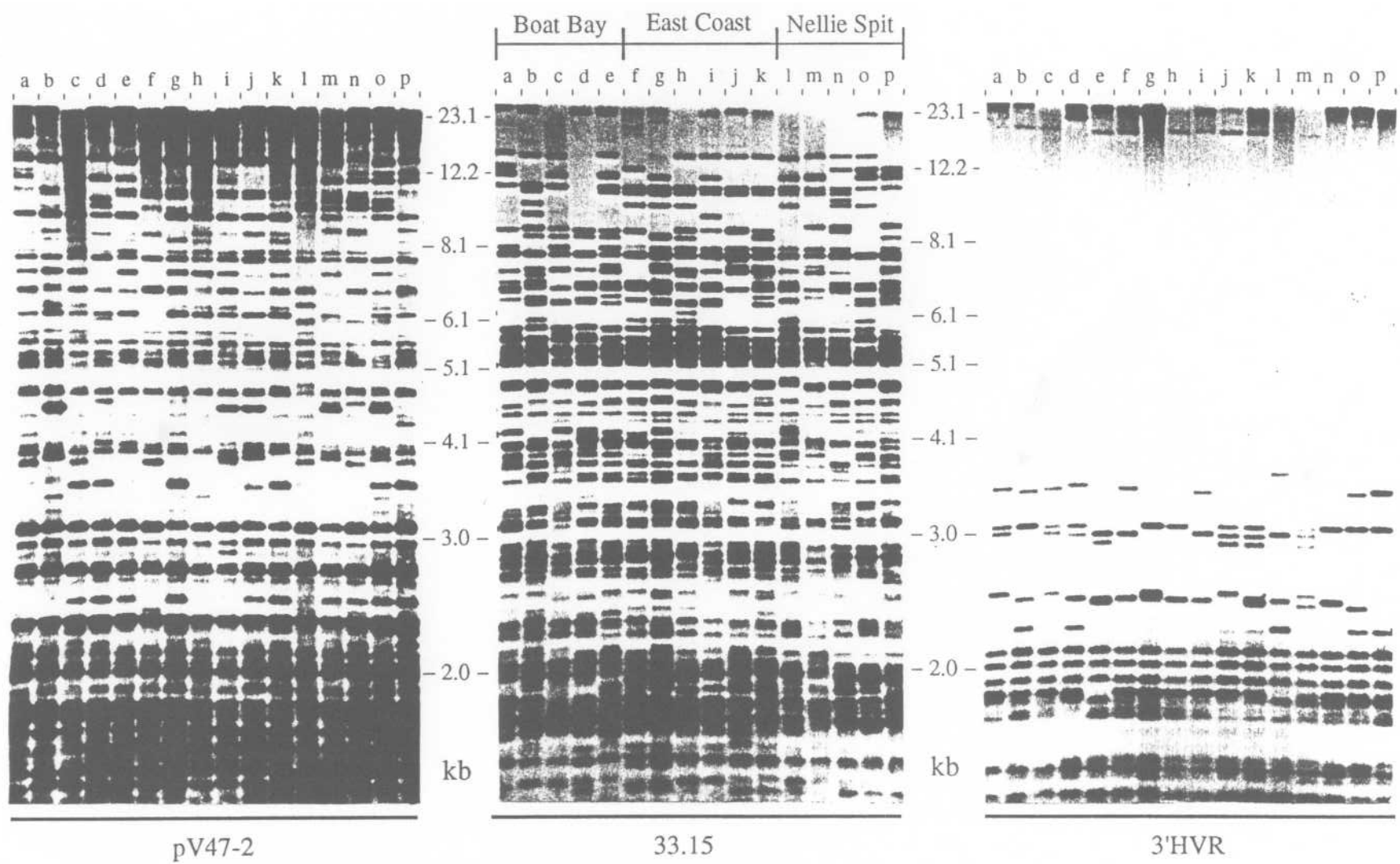
Figure 3. Minisatellite DNA profiles of presumptive parents and two juvenile Auckland Island teal. The profiles were obtained by hybridising the 33.15 minisatellite probe to *Hae*III digested DNA. Molecular weight markers are shown.

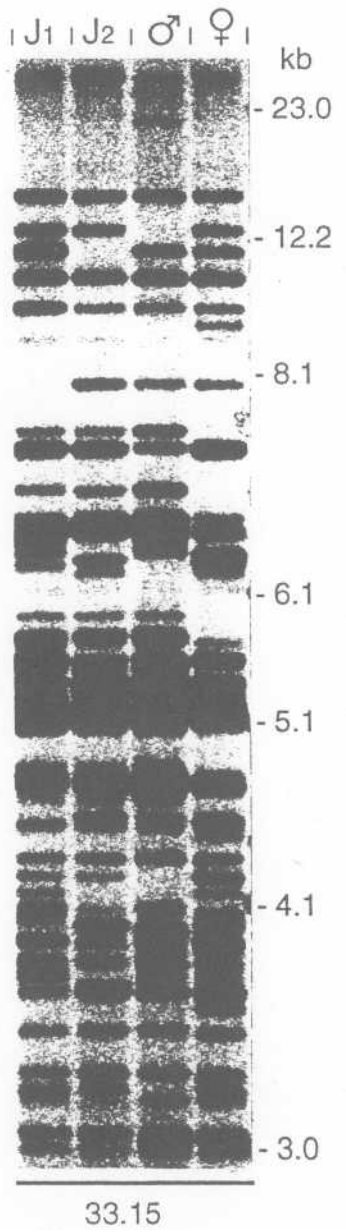
Figure 4. Mean bandsharing (standard deviations shown) between DNA profiles of Auckland Island teals produced by hybridisation of *Hae*III digested DNA to the minisatellite DNA probe 33.15. Within and between population comparisons of individuals from three populations on Ewing Island are given. The dotted line indicates the level of bandsharing between parents and offspring of the known family.

Figure 5. Mean bandsharing (standard deviations shown) between DNA profiles of Auckland Island teals produced by hybridisation of *Hae*III digested DNA to the minisatellite DNA probe 3'HVR. Within and between population comparisons of individuals from three populations on Ewing Island are given. The dotted line indicates the level of bandsharing between parents and offspring of the known family.

Figure 6. Mean bandsharing (standard deviations shown) between DNA profiles of Auckland Island teals produced by hybridisation of *Hae*III digested DNA to the minisatellite DNA probe pV47-2. Within and between population comparisons of individuals from three populations on Ewing Island are given. The dotted line indicates the level of bandsharing between parents and offspring of the known family.


New Zealand
Auckland Islands
Campbell Island
Disappointment Is.
Auckland Is.
Adams Is.
Enderby Is.
Ewing Is.
Ewing Is.
Boat Bay
East Coast
Nellie Spit


Boat Bay
East Coast
Nellie Spit
a b c d e f g h i j k l m n o p
23.1
12.2
8.1
6.1
5.1
4.1
3.0
2.0
kb
pV47-2
33.15
3'HVR



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