**Supplementary file for Table S1 and Figure S1 for:**

**Tracking the origins of the introduced terrestrial amphipod, *Puhuruhuru patersoni*, on sub-Antarctic Macquarie Island**

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**Table S1**. Specimen identification (ID), sampling information, and associated mtDNA clade following phylogenetic analysis of *Puhuruhuru patersoni*.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Specimen ID** | **GenBank accession number** | **Location** | **Latitude (south)** | **Longitude** | **Main Island** | **mtDNA clade** |
| Nugget\_1 | OQ734985 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_2 | OQ735041 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_3 | OQ735043 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_4 | OQ735042 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_5 | OQ735056 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_6 | OQ735060 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_7 | OQ735044 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_8 | OQ735061 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_9 | OQ735063 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_10 | OQ735059 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_11 | OQ735064 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_12 | OQ735057 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Nugget\_13 | OQ735058 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 1 |
| Stewart\_Paterson | OQ735067 | Paterson Inlet | 46.902732 | 168.118259 | Stewart Island | Clade 1 |
| Stewart\_Bench\_1 | OQ735075 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 1 |
| Macquarie\_1 | OQ734997 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_2 | OQ735048 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_3 | OQ735032 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_4 | OQ735033 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_5 | OQ735049 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_6 | OQ735009 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_7 | OQ735030 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_8 | OQ735031 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_9 | OQ734991 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_10 | OQ734992 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_11 | OQ734994 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_12 | OQ734995 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_13 | OQ734996 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_14 | OQ734998 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_15 | OQ734993 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_16 | OQ734999 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_17 | OQ735000 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_18 | OQ735001 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_19 | OQ735002 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_20 | OQ735003 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_21 | OQ735004 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_22 | OQ735005 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_23 | OQ735007 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_24 | OQ735047 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_25 | OQ735008 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_26 | OQ735006 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_27 | OQ735010 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_28 | OQ735011 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_29 | OQ735040 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_30 | OQ735012 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_31 | OQ735014 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_32 | OQ735013 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_33 | OQ735015 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_34 | OQ735016 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_35 | OQ735017 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_36 | OQ735018 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_37 | OQ735019 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_38 | OQ735020 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_39 | OQ735021 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_40 | OQ735022 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_41 | OQ735023 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_42 | OQ735024 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_43 | OQ735025 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_44 | OQ735026 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_45 | OQ735027 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_46 | OQ735028 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Macquarie\_47 | OQ735029 | Macquarie Island | 54.499281 | 158.936131 | Macquarie Island | Clade 2 |
| Ratanui\_1 | OQ735045 | Ratanui | 46.51611 | 169.5584 | South Island | Clade 2 |
| Auckland\_Is | OQ734987 | Auckland Island | 50.540896 | 166.272684 | Auckland Islands | Clade 3 |
| Adams\_1 | OQ734990 | Adams Island | 50.866433 | 166.026804 | Auckland Islands | Clade 3 |
| Adams\_2 | OQ734988 | Adams Island | 50.866433 | 166.026804 | Auckland Islands | Clade 3 |
| Adams\_3 | OQ734989 | Adams Island | 50.866433 | 166.026804 | Auckland Islands | Clade 3 |
| Stewart\_Bench\_2 | OQ735034 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_3 | OQ735071 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_4 | OQ735035 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_5 | OQ735072 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_6 | OQ735052 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_7 | OQ735068 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_8 | OQ735070 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_9 | OQ735037 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_10 | OQ735074 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_11 | OQ735069 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_12 | OQ735051 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_13 | OQ735076 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Stewart\_Bench\_14 | OQ735050 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 4 |
| Snares\_Oleasia | OQ735053 | Oleasia Forest | 48.021944 | 166.609353 | Snares Islands / Tini Heke | Clade 4 |
| Snares\_Rinni | OQ735054 | Rinni Bay | na | na | Snares Islands | Clade 4 |
| Snares\_Penguin | OQ735055 | near Penguin Colony | na | na | Snares Islands | Clade 4 |
| Invercargill | OQ734986 | Otatara Scenic Reserve, Invercargill | 46.431335 | 168.296045 | South Island | Clade 5 |
| Stewart\_Bench\_15 | OQ735036 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 5 |
| Stewart\_Bench\_16 | OQ735073 | Bench Island | 46.90778 | 168.23239 | Stewart Island | Clade 5 |
| Dunedin\_1 | OQ735038 | Dunedin | 45.83862 | 170.49957 | South Island | Clade 5 |
| Dunedin\_2 | OQ735039 | Dunedin | 45.83862 | 170.49957 | South Island | Clade 5 |
| Ratanui\_2 | OQ735046 | Ratanui | 46.51611 | 169.5584 | South Island | Clade 5 |
| Ratanui\_3 | OQ735065 | Ratanui | 46.51611 | 169.5584 | South Island | Clade 5 |
| Ratanui\_4 | OQ735066 | Ratanui | 46.51611 | 169.5584 | South Island | Clade 5 |
| NZsouth\_TheRocks | OQ734984 | The Rocks | 46.3826 | 168.03682 | South Island | Clade 5 |
| Nugget\_14 | OQ735062 | Nugget Point | 46.46606 | 169.75764 | South Island | Clade 5 |

**Shape

Description automatically generated with low confidence**

**Figure S1**. Phylogenetic tree of *Puhuruhuru patersoni* based on the COI mtDNA marker, with sample label details of each specimen corresponding to the specimen IDs provided in Table S1. Values on nodes indicate the posterior probabilities/bootstrap values obtained from Bayesian and maximum likelihood analyses, respectively.