**Supplemental Information for:**

Familial social structure and socially-driven genetic differentiation in Hawaiian short-finned pilot whales

Amy M. Van Cise, Karen. K. Martien, Sabre D. Mahaffy, Robin W. Baird, Daniel L. Webster, James H. Fowler, Erin M. Oleson, Phillip A. Morin

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| Supplemental Table S1. Summary metrics for 119 SNP loci included in this study. | | | | | |
| Locus | | Number of samples genotyped | Proportion samples genotyped | Number of Alleles | Allelic richness | Proportion of Unique Alleles | HE | HO |
| ACTC\_477 | | 99 | 0.93 | 2 | 0.02 | 0 | 0.29 | 0.34 |
| Actin\_560 | | 89 | 0.84 | 2 | 0.022 | 0 | 0.07 | 0.07 |
| ADH2\_925 | | 89 | 0.84 | 2 | 0.022 | 0 | 0.32 | 0.36 |
| AMBP\_295 | | 99 | 0.93 | 2 | 0.02 | 0 | 0.41 | 0.41 |
| AMBP\_547 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.29 | 0.3 |
| AMBP\_555 | | 100 | 0.94 | 2 | 0.02 | 0 | 0.38 | 0.43 |
| AMBP\_793 | | 106 | 1 | 2 | 0.019 | 0 | 0.49 | 0.48 |
| AMBP\_94 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.37 | 0.4 |
| BTN\_181 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.5 | 0.4 |
| BTN\_822 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.06 | 0.06 |
| CAT\_267 | | 93 | 0.88 | 2 | 0.022 | 0 | 0.26 | 0.22 |
| CAT\_375 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.44 | 0.41 |
| CAT\_86 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.24 | 0.18 |
| CGA\_60 | | 90 | 0.85 | 2 | 0.022 | 0 | 0.23 | 0.22 |
| CHRNA1\_293 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.33 | 0.33 |
| CHRNA1\_606 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.33 | 0.32 |
| CHY\_427 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.2 | 0.2 |
| CHY\_902 | | 90 | 0.85 | 2 | 0.022 | 0 | 0.28 | 0.27 |
| CK\_394 | | 92 | 0.87 | 2 | 0.022 | 0 | 0.43 | 0.5 |
| CKMM\_239 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.3 | 0.33 |
| CKMM\_546 | | 93 | 0.88 | 2 | 0.022 | 0 | 0.13 | 0.12 |
| COL10A1\_221 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.26 | 0.29 |
| COL10A1\_572 | | 84 | 0.79 | 2 | 0.024 | 0 | 0.07 | 0.05 |
| COL10A1\_883 | | 95 | 0.9 | 2 | 0.021 | 0 | 0.26 | 0.26 |
| COL3A1\_104 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.05 | 0.03 |
| COL3A1\_420 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.13 | 0.12 |
| COL3A1\_429 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.32 | 0.29 |
| COL3A1\_455 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.06 | 0.04 |
| CYO19\_363 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.23 | 0.23 |
| CYO19\_593 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.49 | 0.49 |
| CYO19\_789 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.25 | 0.21 |
| CYP1A1\_107 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.09 | 0.1 |
| CYP1A1\_480 | | 96 | 0.91 | 2 | 0.021 | 0 | 0.34 | 0.43 |
| DRD2\_313 | | 106 | 1 | 2 | 0.019 | 0 | 0.37 | 0.37 |
| DRD2\_507 | | 90 | 0.85 | 2 | 0.022 | 0 | 0.46 | 0.39 |
| DRD2\_656 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.45 | 0.41 |
| DRD2\_92 | | 99 | 0.93 | 2 | 0.02 | 0 | 0.26 | 0.28 |
| ELN\_614 | | 83 | 0.78 | 2 | 0.024 | 0 | 0.41 | 0.43 |
| ELN\_756 | | 93 | 0.88 | 2 | 0.022 | 0 | 0.46 | 0.46 |
| ESD\_537 | | 81 | 0.76 | 2 | 0.025 | 0 | 0.36 | 0.27 |
| FES\_623 | | 82 | 0.77 | 2 | 0.024 | 0 | 0.49 | 0.48 |
| Fibrinogen\_474 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.34 | 0.31 |
| FSHB\_255 | | 97 | 0.92 | 2 | 0.021 | 0 | 0.36 | 0.3 |
| FSHB\_815 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.42 | 0.42 |
| GLB\_177 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.32 | 0.3 |
| GLUT2\_831 | | 100 | 0.94 | 2 | 0.02 | 0 | 0.18 | 0.12 |
| GRP\_797 | | 98 | 0.92 | 2 | 0.02 | 0 | 0.21 | 0.21 |
| HAT1\_701 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.29 | 0.29 |
| HGBA\_548 | | 94 | 0.89 | 2 | 0.021 | 0 | 0.14 | 0.15 |
| HGBA\_572 | | 88 | 0.83 | 2 | 0.023 | 0 | 0.41 | 0.5 |
| HGBA\_588 | | 82 | 0.77 | 2 | 0.024 | 0 | 0.43 | 0.43 |
| HGBA\_717 | | 98 | 0.92 | 2 | 0.02 | 0 | 0.12 | 0.11 |
| HGBA\_79 | | 83 | 0.78 | 2 | 0.024 | 0 | 0.39 | 0.39 |
| HOXc8\_173 | | 97 | 0.92 | 2 | 0.021 | 0 | 0.44 | 0.39 |
| HOXc8\_348 | | 106 | 1 | 2 | 0.019 | 0 | 0.12 | 0.1 |
| HOXc8\_411 | | 95 | 0.9 | 2 | 0.021 | 0 | 0.5 | 0.44 |
| HOXc8\_642 | | 97 | 0.92 | 2 | 0.021 | 0 | 0.35 | 0.29 |
| HOXc8\_760 | | 86 | 0.81 | 2 | 0.023 | 0 | 0.18 | 0.2 |
| INT\_575 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.49 | 0.5 |
| Lactalbumin\_89 | | 94 | 0.89 | 2 | 0.021 | 0 | 0.45 | 0.43 |
| LAPTM4A\_446 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.42 | 0.41 |
| LAPTM4A\_601 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.08 | 0.08 |
| LAPTM4A\_837 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.07 | 0.08 |
| LHY\_355 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.18 | 0.2 |
| MATR3\_219 | | 106 | 1 | 2 | 0.019 | 0 | 0.06 | 0.07 |
| MATR3\_840 | | 95 | 0.9 | 2 | 0.021 | 0 | 0.25 | 0.23 |
| MPO\_628 | | 95 | 0.9 | 2 | 0.021 | 0 | 0.45 | 0.41 |
| MYH4\_124 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.33 | 0.41 |
| MYH4\_315 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.23 | 0.26 |
| MYH4\_355 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.37 | 0.48 |
| MYH4\_424 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.17 | 0.18 |
| MYH4\_543 | | 95 | 0.9 | 2 | 0.021 | 0 | 0.4 | 0.55 |
| MYL4\_110 | | 94 | 0.89 | 2 | 0.021 | 0 | 0.41 | 0.39 |
| MYL4\_394 | | 92 | 0.87 | 2 | 0.022 | 0 | 0.3 | 0.27 |
| MYL4\_413 | | 92 | 0.87 | 2 | 0.022 | 0 | 0.3 | 0.25 |
| MYL4\_774 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.15 | 0.16 |
| PND\_1002 | | 106 | 1 | 2 | 0.019 | 0 | 0.14 | 0.15 |
| PND\_1020 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.47 | 0.49 |
| PND\_1680 | | 96 | 0.91 | 2 | 0.021 | 0 | 0.32 | 0.31 |
| PND\_1741 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.14 | 0.15 |
| ODC1\_458 | | 106 | 1 | 2 | 0.019 | 0 | 0.11 | 0.11 |
| ODC1\_907 | | 100 | 0.94 | 2 | 0.02 | 0 | 0.12 | 0.13 |
| PGK1\_115 | | 91 | 0.86 | 2 | 0.022 | 0 | 0.4 | 0.33 |
| PGK1\_452 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.5 | 0.43 |
| PGK1\_504 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.44 | 0.36 |
| PGK1\_652 | | 106 | 1 | 2 | 0.019 | 0 | 0.06 | 0.06 |
| PGK1\_675 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.45 | 0.37 |
| PGK1\_793 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.19 | 0.18 |
| PGK1\_843 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.3 | 0.37 |
| PGK1\_913 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.43 | 0.45 |
| PGK1\_951 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.45 | 0.42 |
| PIM\_549 | | 98 | 0.92 | 2 | 0.02 | 0 | 0.34 | 0.28 |
| PIM\_795 | | 79 | 0.75 | 2 | 0.025 | 0 | 0.37 | 0.33 |
| PIT1\_210 | | 106 | 1 | 2 | 0.019 | 0 | 0.41 | 0.41 |
| PIT1\_376 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.13 | 0.13 |
| PKM\_315 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.27 | 0.24 |
| PKM\_889 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.39 | 0.43 |
| PLP\_841 | | 98 | 0.92 | 2 | 0.02 | 0 | 0.33 | 0.19 |
| PND\_287 | | 98 | 0.92 | 2 | 0.02 | 0 | 0.39 | 0.38 |
| PND\_638 | | 94 | 0.89 | 2 | 0.021 | 0 | 0.05 | 0.05 |
| PND\_864 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.15 | 0.16 |
| RYR2\_339 | | 85 | 0.8 | 2 | 0.024 | 0 | 0.48 | 0.52 |
| RYR2\_472 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.25 | 0.28 |
| RYR2\_474 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.46 | 0.53 |
| RYR2\_837 | | 100 | 0.94 | 2 | 0.02 | 0 | 0.47 | 0.52 |
| RYR2\_844 | | 102 | 0.96 | 2 | 0.02 | 0 | 0.16 | 0.16 |
| SST\_411 | | 99 | 0.93 | 2 | 0.02 | 0 | 0.38 | 0.29 |
| SPTBN1\_80 | | 91 | 0.86 | 2 | 0.022 | 0 | 0.08 | 0.09 |
| SST\_318 | | 100 | 0.94 | 2 | 0.02 | 0 | 0.35 | 0.29 |
| TCRA1\_422 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.39 | 0.35 |
| TCRB\_446 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.25 | 0.3 |
| TCRB\_530 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.34 | 0.44 |
| TCRB\_551 | | 106 | 1 | 2 | 0.019 | 0 | 0.03 | 0.03 |
| TCRB\_90 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.35 | 0.28 |
| TOP1\_404 | | 105 | 0.99 | 2 | 0.019 | 0 | 0.37 | 0.35 |
| TOP1\_442 | | 103 | 0.97 | 2 | 0.019 | 0 | 0.35 | 0.38 |
| TOP1\_839 | | 104 | 0.98 | 2 | 0.019 | 0 | 0.36 | 0.38 |
| TPI1\_613 | | 101 | 0.95 | 2 | 0.02 | 0 | 0.35 | 0.34 |
| TPI1\_678 | | 94 | 0.89 | 2 | 0.021 | 0 | 0.34 | 0.44 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Supplemental Table S2. Sample stratification levels used for statistical analyses in this study. Bold values in the Cluster column indicate samples that were removed before cluster FST analysis due to high relatedness to other samples in the study. | | | | | | | |
| Animal ID | mtDNA? | SNP? | mtDNA Haplotype | mtDNA strata | Island Community | Cluster | Social Unit |
| 34 | Y | N | J | MHI |  |  |  |
| 11478 | Y | N | J | MHI |  |  |  |
| 11479 | Y | N | J | MHI |  |  |  |
| 11481 | Y | N | J | MHI |  |  |  |
| 11482 | Y | N | J | MHI |  |  |  |
| 11483 | Y | N | J | MHI |  |  |  |
| 11484 | Y | N | J | MHI |  |  |  |
| 18528 | Y | N | J | MHI |  |  |  |
| 18529 | Y | N | J | MHI |  |  |  |
| 18530 | Y | N | J | MHI |  |  |  |
| 18531 | Y | N | J | MHI |  |  |  |
| 18532 | Y | N | J | MHI |  |  |  |
| 18533 | Y | N | J | MHI |  |  |  |
| 18939 | Y | N | J | MHI |  |  |  |
| 18940 | Y | N | J | MHI |  |  |  |
| 18941 | Y | N | J | MHI |  |  |  |
| 18942 | Y | N | J | MHI |  |  |  |
| 18947 | Y | N | J | MHI |  |  |  |
| 18948 | Y | N | J | MHI |  |  |  |
| 18951 | Y | N | J | MHI |  |  |  |
| 18952 | Y | N | J | MHI |  |  |  |
| 18953 | Y | N | J | MHI |  |  |  |
| 27398 | Y | N | J | MHI |  |  |  |
| 27407 | Y | N | J | MHI |  |  |  |
| 27408 | Y | N | J | MHI |  |  |  |
| 27409 | Y | N | J | MHI |  |  |  |
| 27410 | Y | N | J | MHI |  |  |  |
| 27412 | Y | N | J | MHI |  |  |  |
| 27417 | Y | N | J | MHI |  |  |  |
| 30056 | Y | N | J | MHI |  |  |  |
| 30059 | Y | N | J | MHI |  |  |  |
| 30060 | Y | N | J | MHI |  |  |  |
| 30061 | Y | N | J | MHI |  |  |  |
| 30062 | Y | N | J | MHI |  |  |  |
| 30063 | Y | N | J | MHI |  |  |  |
| 30069 | Y | N | J | MHI |  |  |  |
| 30070 | Y | N | J | MHI |  |  |  |
| 30082 | Y | N | J | MHI |  |  |  |
| 30083 | Y | N | J | MHI |  |  |  |
| 30084 | Y | N | J | MHI |  |  |  |
| 30085 | Y | N | J | MHI |  |  |  |
| 30086 | Y | N | J | MHI |  |  |  |
| 30435 | Y | N | J | NWHI |  |  |  |
| 30436 | Y | N | J | NWHI |  |  |  |
| 30437 | Y | N | J | NWHI |  |  |  |
| 30438 | Y | N | J | NWHI |  |  |  |
| 30439 | Y | N | J | NWHI |  |  |  |
| 30440 | Y | N | 12 | NWHI |  |  |  |
| 30441 | Y | N | J | NWHI |  |  |  |
| 30442 | Y | N | 12 | NWHI |  |  |  |
| 30443 | Y | N | 12 | NWHI |  |  |  |
| 30444 | Y | N | J | NWHI |  |  |  |
| 30445 | Y | N | J | NWHI |  |  |  |
| 30446 | Y | N | 12 | NWHI |  |  |  |
| 30447 | Y | N | J | NWHI |  |  |  |
| 30448 | Y | N | 12 | NWHI |  |  |  |
| 30455 | Y | N | J | MHI |  |  |  |
| 30456 | Y | N | J | MHI |  |  |  |
| 30457 | Y | N | J | MHI |  |  |  |
| 30458 | Y | N | J | MHI |  |  |  |
| 30459 | Y | N | J | MHI |  |  |  |
| 30460 | Y | N | J | MHI |  |  |  |
| 30461 | Y | N | J | MHI |  |  |  |
| 30462 | Y | N | J | MHI |  |  |  |
| 30463 | Y | N | J | MHI |  |  |  |
| 30464 | Y | N | J | MHI |  |  |  |
| 30465 | Y | N | J | MHI |  |  |  |
| 30476 | Y | N | J | NWHI |  |  |  |
| 30508 | Y | N | J | MHI |  |  |  |
| 30511 | Y | N | J | MHI |  |  |  |
| 30518 | Y | N | J | MHI |  |  |  |
| 30519 | Y | N | J | MHI |  |  |  |
| 30520 | Y | N | J | MHI |  |  |  |
| 30521 | Y | N | J | MHI |  |  |  |
| 30527 | Y | N | J | MHI |  |  |  |
| 30528 | Y | N | J | MHI |  |  |  |
| 30529 | Y | N | C | MHI |  |  |  |
| 30530 | Y | N | J | MHI |  |  |  |
| 30531 | Y | N | J | MHI |  |  |  |
| 30532 | Y | N | J | MHI |  |  |  |
| 30533 | Y | N | J | MHI |  |  |  |
| 30535 | Y | Y | 11 | Pelagic |  |  |  |
| 33791 | Y | N | J | MHI |  |  |  |
| 33795 | Y | N | J | MHI |  |  |  |
| 33796 | Y | N | J | MHI |  |  |  |
| 33797 | Y | N | J | MHI |  |  |  |
| 33798 | Y | N | J | MHI |  |  |  |
| 33806 | Y | N | J | MHI |  |  |  |
| 33807 | Y | N | J | MHI |  |  |  |
| 33808 | Y | N | J | MHI |  |  |  |
| 33809 | Y | N | J | MHI |  |  |  |
| 33810 | Y | N | J | MHI |  |  |  |
| 33811 | Y | N | J | MHI |  |  |  |
| 33812 | Y | N | J | MHI |  |  |  |
| 33813 | Y | Y | J | MHI |  | W7 |  |
| 33814 | Y | N | J | MHI |  |  |  |
| 33815 | Y | N | J | MHI |  |  |  |
| 33851 | Y | N | J | MHI |  |  |  |
| 33852 | Y | Y | J | MHI | OAKAMC | W6 |  |
| 33860 | Y | Y | J | MHI | OAKAMC | W6 |  |
| 33861 | Y | N | J | MHI |  |  |  |
| 33862 | Y | N | J | MHI |  |  |  |
| 33863 | N | Y |  |  | OAKAMC | W2,W8 |  |
| 33878 | Y | Y | J | MHI | OAKAMC | W24 |  |
| 33879 | Y | Y | J | MHI | OAKAMC | W24 |  |
| 33880 | Y | Y | J | MHI | OAKAMC | W24 |  |
| 33881 | Y | Y | J | MHI | OAKAMC | W24 |  |
| 33882 | Y | Y | J | MHI | OAKAMC | W24 |  |
| 33883 | Y | Y | J | MHI | OAKAMC | W24 |  |
| 33911 | Y | N | J | Pelagic |  |  |  |
| 33912 | Y | N | J | Pelagic |  |  |  |
| 33913 | Y | N | K | Pelagic |  |  |  |
| 33914 | Y | N | J | Pelagic |  |  |  |
| 33915 | Y | N | J | Pelagic |  |  |  |
| 33916 | Y | N | J | Pelagic |  |  |  |
| 33917 | Y | N | J | Pelagic |  |  |  |
| 33939 | Y | N | J | MHI |  |  |  |
| 33940 | Y | Y | J | MHI | OAKAMC | W11 |  |
| 33941 | Y | N | J | MHI |  |  |  |
| 33948 | Y | N | J | MHI |  |  |  |
| 33949 | Y | N | J | MHI |  |  |  |
| 33980 | Y | Y | J | MHI | OAKAMC | W13 |  |
| 33981 | Y | N | J | MHI |  |  |  |
| 33982 | Y | Y | J | MHI | OAKAMC | **W13** |  |
| 33983 | Y | Y | J | MHI |  | W13 |  |
| 33984 | Y | Y | J | MHI | OAKAMC | W13 |  |
| 33985 | Y | Y | J | MHI | OAKAMC | W6 |  |
| 33990 | Y | Y | J | MHI | OAKAMC | **W13** |  |
| 33991 | Y | N | J | MHI |  |  |  |
| 33992 | Y | Y | J | MHI | OAKAMC | W6 |  |
| 45934 | Y | Y | J | MHI | HMC | H26 | F |
| 51015 | Y | Y | J | MHI | OAKAMC | W13 |  |
| 51023 | Y | N | J | MHI |  |  |  |
| 51025 | Y | Y | J | MHI |  | W13 |  |
| 51026 | Y | Y | J | MHI |  | W13 |  |
| 51028 | Y | Y | J | Pelagic |  | W23 |  |
| 51029 | Y | Y | J | Pelagic |  | W23 |  |
| 51031 | Y | Y | J | MHI | OAKAMC | W13 |  |
| 51032 | Y | Y | J | MHI | OAKAMC | W13 |  |
| 51033 | Y | Y | J | MHI | OAKAMC | W13 |  |
| 51064 | Y | N | J | MHI |  |  |  |
| 55157 | Y | Y | J | MHI | HMC | H2 | G |
| 55160 | Y | Y | J | MHI | HMC | H19 |  |
| 55161 | Y | Y | J | MHI | HMC | H22 | B1 |
| 55165 | Y | Y | J | MHI | HMC | H7 |  |
| 55175 | Y | Y | J | MHI | HMC | H19 |  |
| 55209 | Y | N | J | MHI |  |  |  |
| 55226 | Y | Y | J | MHI |  | H18 | E |
| 55227 | Y | N | J | MHI |  |  |  |
| 55228 | Y | Y | J | MHI | HMC | **H18** |  |
| 55229 | Y | Y | J | MHI |  | H18 | E |
| 55230 | Y | Y | J | MHI | HMC | H18 | E |
| 55234 | Y | Y | J | MHI | HMC | H18 | E |
| 55238 | Y | Y | J | MHI |  | H2 | G |
| 55239 | Y | Y | J | MHI |  | H2 | G |
| 55240 | Y | N | J | MHI |  |  |  |
| 55241 | Y | N | J | MHI |  |  |  |
| 55242 | Y | Y | J | MHI |  | H22 | B1 |
| 55243 | Y | Y | J | MHI |  | H22 | B1 |
| 55244 | Y | Y | J | MHI | HMC | H21 |  |
| 55248 | Y | Y | J | MHI |  | H2 | G |
| 55254 | Y | Y | J | MHI | HMC | H21 |  |
| 61916 | N | Y |  |  | HMC | H20 | H |
| 61918 | Y | Y | J | MHI | HMC | H19 |  |
| 61924 | Y | N | J | MHI |  |  |  |
| 61936 | Y | Y | J | MHI | HMC | H11 |  |
| 61939 | Y | Y | J | MHI | HMC | **H11** |  |
| 73899 | Y | Y | J | MHI | HMC | H26 |  |
| 73901 | Y | Y | J | MHI | HMC | H7 |  |
| 74708 | Y | Y | K | Pelagic |  |  |  |
| 78810 | Y | Y | J | MHI |  | H2 |  |
| 78812 | Y | Y | J | MHI |  | H2 |  |
| 78815 | Y | N | J | MHI |  |  |  |
| 79976 | Y | Y | J | MHI | HMC | H26 |  |
| 79978 | Y | Y | J | MHI | HMC | H2 | G |
| 79980 | Y | N | J | MHI |  |  |  |
| 79992 | Y | Y | J | MHI |  | H20 | C2 |
| 80005 | Y | Y | J | MHI | HMC | H5 |  |
| 88591 | Y | Y | J | MHI |  | H24 |  |
| 88593 | N | Y |  |  |  |  |  |
| 88594 | Y | Y | J | MHI | HMC | H21 | A |
| 94818 | Y | Y | J | MHI | HMC | **H8** |  |
| 94820 | Y | Y | J | MHI | HMC | H20 | H |
| 102487 | Y | N | J | Pelagic |  |  |  |
| 102493 | Y | N | J | Pelagic |  |  |  |
| 102494 | Y | Y | J | Pelagic |  | W1 |  |
| 102495 | Y | N | J | Pelagic |  |  |  |
| 112632 | Y | Y | J | MHI |  | H22 | B1 |
| 112633 | Y | N | J | MHI |  |  |  |
| 112634 | Y | Y | J | MHI |  | **H22** | B1 |
| 112635 | Y | Y | J | MHI |  | H26 | F |
| 112636 | Y | Y | J | MHI |  | H26 | F |
| 112637 | Y | Y | J | MHI |  | H22 | B1 |
| 112638 | Y | Y | J | MHI |  | H22 | B1 |
| 112639 | Y | Y | J | MHI |  | H22 | B1 |
| 112641 | Y | Y | J | MHI |  | **H22** | B1 |
| 112642 | Y | Y | J | MHI | HMC | H11 |  |
| 112646 | Y | Y | J | MHI |  | **H22** | B1 |
| 112647 | Y | Y | J | MHI | HMC | H2 |  |
| 112648 | Y | Y | J | MHI | HMC | **H2** |  |
| 112649 | N | Y |  |  | HMC | H22 |  |
| 112651 | Y | N | J | MHI |  |  |  |
| 112652 | Y | Y | J | MHI |  | H20 | H |
| 112653 | Y | Y | J | MHI |  | H20 | H |
| 112654 | Y | Y | J | MHI |  | H20 | H |
| 112655 | Y | Y | J | MHI |  | H20 | H |
| 112658 | Y | Y | J | MHI | HMC | H11 |  |
| 112660 | N | Y |  |  |  | **H11** |  |
| 112663 | Y | N | J | MHI |  |  |  |
| 113642 | Y | Y | J | MHI |  |  |  |
| 113643 | Y | N | J | MHI |  |  |  |
| 113647 | Y | Y | J | MHI |  |  |  |
| 113648 | Y | N | J | MHI |  |  |  |
| 113653 | Y | N | J | MHI |  |  |  |
| 114348 | Y | Y | 2 | Pelagic |  |  |  |
| 114352 | Y | Y | J | MHI | HMC | H22 | B1 |
| 114353 | Y | N | J | MHI |  |  |  |
| 114354 | Y | N | J | MHI |  |  |  |
| 114355 | Y | N | J | MHI |  |  |  |
| 114356 | Y | Y | J | MHI | HMC | H22 | B2 |
| 114564 | Y | Y | J | MHI |  | W25 |  |
| 114565 | Y | Y | J | MHI |  | W25 |  |
| 114805 | Y | Y | J | MHI | OAKAMC | W8 |  |
| 114806 | Y | Y | J | MHI | OAKAMC | W8 |  |
| 114807 | Y | N | J | MHI |  |  |  |
| 114808 | N | Y |  |  | HMC | H7 |  |
| 114809 | Y | Y | J | MHI | HMC | H7 |  |
| 114813 | Y | Y | J | MHI | HMC | H7 |  |
| 114815 | Y | Y | J | MHI | HMC | H13 |  |
| 114816 | Y | Y | J | MHI | HMC | H13 |  |
| 114817 | Y | Y | J | MHI | HMC | H13 |  |
| 114818 | Y | Y | J | MHI | HMC | H20 | C1 |
| 114819 | Y | Y | J | MHI | HMC | H20 | C2 |
| 114820 | Y | Y | J | MHI | HMC | H20 | C2 |
| 114821 | Y | Y | J | MHI |  |  |  |
| 114822 | Y | Y | J | MHI | HMC | H19 |  |
| 114823 | Y | Y | J | MHI | HMC | H19 |  |
| 123263 | Y | N | J | MHI |  |  |  |
| 123339 | Y | N | J | Pelagic |  |  |  |
| 123340 | Y | Y | J | Pelagic |  |  |  |
| 123341 | Y |  | J | Pelagic |  |  |  |
| 123342 | Y | Y | J | Pelagic |  | W21 |  |
| 123361 | Y | N | J | NWHI |  |  |  |
| 123362 | Y | N | J | NWHI |  |  |  |
| 124781 | Y | N | J | MHI |  |  |  |
| 124782 | Y | N | J | MHI |  |  |  |
| 156865 | Y | N | J | MHI |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Supplemental Table S4. Genetic differentiation (FST) between five clusters with more than five sampled individuals (related individuals included). Significant differentiation between clusters (p-value, final column) is shown in bold. | | | | | | |
| Cluster 1 | Cluster 2 | Cluster 1 *N* | Cluster 2 *N* | *F*ST | *P*-value |
| H2 | H20 | 9 | 10 | 0.055 | **< 0.001** |
| H2 | H22 | 9 | 13 | 0.059 | **< 0.001** |
| H2 | W13 | 9 | 11 | 0.033 | **0.009** |
| H2 | W24 | 9 | 6 | 0.053 | **0.002** |
| H20 | H22 | 10 | 13 | 0.045 | **0.001** |
| H20 | W13 | 10 | 11 | 0.024 | **0.011** |
| H20 | W24 | 10 | 6 | 0.03 | **0.018** |
| H22 | W13 | 13 | 11 | 0.028 | **0.004** |
| H22 | W24 | 13 | 6 | 0.028 | **0.03** |
| W13 | W24 | 11 | 6 | 0.01 | 0.285 |