**Supplementary Material for**

**Genetic structure of marine and freshwater forms of Pacific herring *Clupea pallasii***

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**Supplementary Table 1**. Illumina generated reads and number of mapped reads to Atlantic herring (*Clupea harengus*) reference genome sequence (Ch\_v2.0.2)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Population name | Library name | Total number of reads | Total number of mapped reads | Percentage of mapped reads | NCBI accession number |
| Scva | cva62\_4\_7 | 5,666,616 | 4,738,602 | 83.62% | SAMN18506977 |
| cva64\_5\_7 | 3,018,548 | 2,509,976 | 83.15% | SAMN18506978 |
| cva65\_6\_8 | 6,021,332 | 4,904,522 | 81.45% | SAMN18506979 |
| Scvk | cvk62\_4\_8 | 11,185,124 | 7,857,452 | 70.25% | SAMN18506980 |
| cvk64\_5\_8 | 7,580,228 | 6,449,110 | 85.08% | SAMN18506981 |
| cvk65\_6\_9 | 4,541,732 | 3,357,444 | 73.92% | SAMN18506982 |
| Fain | Fain\_1\_1 | 2,647,206 | 2,231,822 | 84.31% | SAMN18506983 |
| Fain\_1\_2 | 3,998,342 | 3,460,126 | 86.54% | SAMN18506984 |
| Fain\_1\_3 | 3,418,226 | 2,869,777 | 83.96% | SAMN18506985 |
| Fain\_1\_4 | 5,600,290 | 4,877,823 | 87.10% | SAMN18506986 |
| Fain\_1\_5 | 3,033,190 | 2,589,456 | 85.37% | SAMN18506987 |
| Fnerp | Fnerp\_3\_1 | 10,390,416 | 9,030,416 | 86.91% | SAMN18506988 |
| Fnerp\_3\_2 | 9,659,486 | 8,452,136 | 87.50% | SAMN18506989 |
| Fnerp\_3\_3 | 10,079,748 | 8,787,378 | 87.18% | SAMN18506990 |
| Fnerp\_3\_4 | 7,468,048 | 6,607,955 | 88.48% | SAMN18506991 |
| Fnerp\_3\_5 | 1,853,794 | 1,451,606 | 78.30% | SAMN18506992 |
| Fvill | Fvill\_2\_1 | 3,619,684 | 3,097,004 | 85.56% | SAMN18506993 |
| Fvill\_2\_2 | 4,001,572 | 3,358,642 | 83.93% | SAMN18506994 |
| Fvill\_2\_3 | 2,572,408 | 2,155,311 | 83.79% | SAMN18506995 |
| Fvill\_2\_4 | 3,656,196 | 3,136,376 | 85.78% | SAMN18506996 |
| Fvill\_2\_5 | 4,601,738 | 3,951,322 | 85.87% | SAMN18506997 |
| Salex | Salex\_4\_1 | 5,179,860 | 4,543,173 | 87.71% | SAMN18506998 |
| Salex\_4\_2 | 6,097,712 | 5,300,285 | 86.92% | SAMN18506999 |
| Salex\_4\_3 | 6,324,602 | 5,488,450 | 86.78% | SAMN18507000 |
| Salex\_4\_4 | 4,694,576 | 4,056,387 | 86.41% | SAMN18507001 |
| Salex\_4\_5 | 12,271,572 | 10,390,156 | 84.67% | SAMN18507002 |
| Samur | Samur\_5\_1 | 2,908,232 | 2,495,497 | 85.81% | SAMN18507003 |
| Samur\_5\_2 | 4,198,660 | 3,577,821 | 85.21% | SAMN18507004 |
| Samur\_5\_3 | 3,673,618 | 3,140,279 | 85.48% | SAMN18507005 |
| Samur\_5\_4 | 4,625,562 | 4,022,794 | 86.97% | SAMN18507006 |
| Samur\_5\_5 | 11,583,482 | 9,801,069 | 84.61% | SAMN18507007 |
| Seve | Seve\_7\_1 | 3,133,708 | 2,745,338 | 87.61% | SAMN18507008 |
| Seve\_7\_2 | 2,941,022 | 2,524,902 | 85.85% | SAMN18507009 |
| Seve\_7\_3 | 4,041,428 | 3,487,819 | 86.30% | SAMN18507010 |
| Seve\_7\_4 | 3,921,344 | 3,427,086 | 87.40% | SAMN18507011 |
| Seve\_7\_5 | 1,946,010 | 1,688,332 | 86.76% | SAMN18507012 |
| Sk12 | Sk12\_8\_1 | 1,367,174 | 1,162,808 | 85.05% | SAMN18507013 |
| Sk12\_8\_2 | 1,490,228 | 1,259,581 | 84.52% | SAMN18507014 |
| Sk12\_8\_3 | 2,122,210 | 1,819,568 | 85.74% | SAMN18507015 |
| Sk12\_8\_4 | 1,501,542 | 1,291,062 | 85.98% | SAMN18507016 |
| Sk12\_8\_5 | 46,952 | 28,130 | 59.91% | SAMN18507017 |
| Skrg | Skrg\_6\_1 | 2,967,480 | 2,593,525 | 87.40% | SAMN18507018 |
| Skrg\_6\_2 | 567,752 | 468,851 | 82.58% | SAMN18507019 |
| Skrg\_6\_3 | 2,313,992 | 1,990,373 | 86.01% | SAMN18507020 |
| Skrg\_6\_4 | 2,354,066 | 2,059,382 | 87.48% | SAMN18507021 |
| Skrg\_6\_5 | 1,326,658 | 997,854 | 75.22% | SAMN18507022 |
| Sukur | Sukur\_9\_1 | 611,838 | 503,972 | 82.37% | SAMN18507023 |
| Sukur\_9\_2 | 655,364 | 550,188 | 83.95% | SAMN18507024 |
| Sukur\_9\_3 | 2,457,912 | 2,092,991 | 85.15% | SAMN18507025 |
| Sukur\_9\_4 | 54,746 | 34,742 | 63.46% | SAMN18507026 |
| Sukur\_9\_5 | 433,684 | 343,676 | 79.25% | SAMN18507027 |
| Sclu7 | clu738\_5\_1 | 1,622,878 | 1,019,335 | 62.81% | SAMN18507028 |
| clu739\_6\_1 | 1,056,650 | 698,535 | 66.11% | SAMN18507029 |
| clu743\_7\_1 | 1,327,108 | 876,993 | 66.08% | SAMN18507030 |
|  | Total | 216,433,546 | 182,355,210 | 82.62% |  |