Change in Atlantic cod migrations and adaptability of early land-based fishers to severe climate variation in the North Atlantic

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**Supplementary table 2.** The table provides information on assignment of each Atlantic cod otolith to migratory or coastal ecotypes using individually predicted migratory score (SCORE). Please refer to the main text for further information.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SITE | EXCAVATION | CONTEXT | NO | DATING | TEMPORAL GROUP | SCORE | ASSIGNMENT |
| BRV | 15 | 8 | 1 | 980 + 30 14C yr BP | 10th | 0,030 | Migratory |
| BRV | 15 | 8 | 10 | 980 + 30 14C yr BP | 10th | 0,421 | Migratory |
| BRV | 15 | 8 | 11 | 980 + 30 14C yr BP | 10th | 0,768 | Coastal |
| BRV | 15 | 8 | 12 | 980 + 30 14C yr BP | 10th | 0,719 | Coastal |
| BRV | 15 | 8 | 13 | 980 + 30 14C yr BP | 10th | 0,068 | Migratory |
| BRV | 15 | 8 | 2 | 980 + 30 14C yr BP | 10th | 0,067 | Migratory |
| BRV | 15 | 8 | 3 | 980 + 30 14C yr BP | 10th | 0,327 | Migratory |
| BRV | 15 | 8 | 4 | 980 + 30 14C yr BP | 10th | 0,719 | Coastal |
| BRV | 15 | 8 | 5 | 980 + 30 14C yr BP | 10th | 0,126 | Migratory |
| BRV | 15 | 8 | 6 | 980 + 30 14C yr BP | 10th | 0,187 | Migratory |
| BRV | 15 | 8 | 7 | 980 + 30 14C yr BP | 10th | 0,000 | Migratory |
| BRV | 15 | 8 | 8 | 980 + 30 14C yr BP | 10th | 0,052 | Migratory |
| BRV | 15 | 8 | 9 | 980 + 30 14C yr BP | 10th | 0,623 | Coastal |
| BRV | 17 | 9 | 1 | 540 + 30 14C yr BP | 14th | 0,000 | Migratory |
| BRV | 17 | 9 | 10 | 540 + 30 14C yr BP | 14th | 0,891 | Coastal |
| BRV | 17 | 9 | 11 | 540 + 30 14C yr BP | 14th | 0,028 | Migratory |
| BRV | 17 | 9 | 12 | 540 + 30 14C yr BP | 14th | 0,074 | Migratory |
| BRV | 17 | 9 | 13 | 540 + 30 14C yr BP | 14th | 0,179 | Migratory |
| BRV | 17 | 9 | 14 | 540 + 30 14C yr BP | 14th | 0,088 | Migratory |
| BRV | 17 | 9 | 15 | 540 + 30 14C yr BP | 14th | 0,002 | Migratory |
| BRV | 17 | 9 | 16 | 540 + 30 14C yr BP | 14th | 0,252 | Migratory |
| BRV | 17 | 9 | 17 | 540 + 30 14C yr BP | 14th | 0,003 | Migratory |
| BRV | 17 | 9 | 18 | 540 + 30 14C yr BP | 14th | 0,017 | Migratory |
| BRV | 17 | 9 | 19 | 540 + 30 14C yr BP | 14th | 0,995 | Coastal |
| BRV | 17 | 9 | 2 | 540 + 30 14C yr BP | 14th | 0,034 | Migratory |
| BRV | 17 | 9 | 20 | 540 + 30 14C yr BP | 14th | 0,593 | Coastal |
| BRV | 17 | 9 | 21 | 540 + 30 14C yr BP | 14th | 0,903 | Coastal |
| BRV | 17 | 9 | 22 | 540 + 30 14C yr BP | 14th | 0,959 | Coastal |
| BRV | 17 | 9 | 3 | 540 + 30 14C yr BP | 14th | 0,006 | Migratory |
| BRV | 17 | 9 | 5 | 540 + 30 14C yr BP | 14th | 0,000 | Migratory |
| BRV | 17 | 9 | 6 | 540 + 30 14C yr BP | 14th | 0,007 | Migratory |
| BRV | 17 | 9 | 7 | 540 + 30 14C yr BP | 14th | 0,001 | Migratory |
| BRV | 17 | 9 | 8 | 540 + 30 14C yr BP | 14th | 0,146 | Migratory |
| BRV | 17 | 9 | 9 | 540 + 30 14C yr BP | 14th | 0,001 | Migratory |
| BRV | 15 | 14 | 1 | Context (1410-1649) | 16th | 0,920 | Coastal |
| BRV | 15 | 14 | 2 | Context (1410-1649) | 16th | 0,146 | Migratory |
| BRV | 15 | 14 | 3 | Context (1410-1649) | 16th | 0,094 | Migratory |
| BRV | 15 | 14 | 4 | Context (1410-1649) | 16th | 0,238 | Migratory |
| BRV | 15 | 14 | 8 | Context (1410-1649) | 16th | 0,917 | Coastal |
| BRV | 15 | 15 | 1 | Context (1410-1649) | 16th | 0,013 | Migratory |
| BRV | 15 | 15 | 2 | Context (1410-1649) | 16th | 0,874 | Coastal |
| BRV | 15 | 15 | 4 | Context (1410-1649) | 16th | 0,198 | Migratory |
| BRV | 15 | 15 | 6 | Context (1410-1649) | 16th | 0,158 | Migratory |
| BRV | 17 | 16 | 1 | 540 + 30 14C yr BP | 14th | 0,460 | Migratory |
| BRV | 15 | 16 | 1 | 540 + 30 14C yr BP | 14th | 0,019 | Migratory |
| BRV | 15 | 16 | 10 | 540 + 30 14C yr BP | 14th | 0,067 | Migratory |
| BRV | 15 | 16 | 11 | 540 + 30 14C yr BP | 14th | 0,000 | Migratory |
| BRV | 15 | 16 | 12 | 540 + 30 14C yr BP | 14th | 0,022 | Migratory |
| BRV | 15 | 16 | 13 | 540 + 30 14C yr BP | 14th | 0,002 | Migratory |
| BRV | 15 | 16 | 14 | 540 + 30 14C yr BP | 14th | 0,721 | Coastal |
| BRV | 15 | 16 | 15 | 540 + 30 14C yr BP | 14th | 0,001 | Migratory |
| BRV | 15 | 16 | 16 | 540 + 30 14C yr BP | 14th | 0,020 | Migratory |
| BRV | 15 | 16 | 18 | 540 + 30 14C yr BP | 14th | 0,206 | Migratory |
| BRV | 15 | 16 | 19 | 540 + 30 14C yr BP | 14th | 0,190 | Migratory |
| BRV | 15 | 16 | 2 | 540 + 30 14C yr BP | 14th | 0,904 | Coastal |
| BRV | 15 | 16 | 20 | 540 + 30 14C yr BP | 14th | 0,385 | Migratory |
| BRV | 15 | 16 | 21 | 540 + 30 14C yr BP | 14th | 0,005 | Migratory |
| BRV | 15 | 16 | 22 | 540 + 30 14C yr BP | 14th | 0,123 | Migratory |
| BRV | 15 | 16 | 23 | 540 + 30 14C yr BP | 14th | 0,013 | Migratory |
| BRV | 15 | 16 | 24 | 540 + 30 14C yr BP | 14th | 0,101 | Migratory |
| BRV | 15 | 16 | 25 | 540 + 30 14C yr BP | 14th | 0,036 | Migratory |
| BRV | 15 | 16 | 26 | 540 + 30 14C yr BP | 14th | 0,045 | Migratory |
| BRV | 15 | 16 | 27 | 540 + 30 14C yr BP | 14th | 0,111 | Migratory |
| BRV | 15 | 16 | 28 | 540 + 30 14C yr BP | 14th | 1,000 | Coastal |
| BRV | 15 | 16 | 3 | 540 + 30 14C yr BP | 14th | 0,002 | Migratory |
| BRV | 15 | 16 | 30 | 540 + 30 14C yr BP | 14th | 0,046 | Migratory |
| BRV | 15 | 16 | 31 | 540 + 30 14C yr BP | 14th | 0,683 | Coastal |
| BRV | 15 | 16 | 32 | 540 + 30 14C yr BP | 14th | 0,965 | Coastal |
| BRV | 15 | 16 | 4 | 540 + 30 14C yr BP | 14th | 0,162 | Migratory |
| BRV | 15 | 16 | 5 | 540 + 30 14C yr BP | 14th | 0,846 | Coastal |
| BRV | 15 | 16 | 6 | 540 + 30 14C yr BP | 14th | 0,057 | Migratory |
| BRV | 15 | 16 | 8 | 540 + 30 14C yr BP | 14th | 0,001 | Migratory |
| BRV | 15 | 16 | 9 | 540 + 30 14C yr BP | 14th | 0,003 | Migratory |
| BRV | 15 | 17 | 1 | Context (≤ 1410) | 14th | 0,000 | Migratory |
| BRV | 15 | 17 | 2 | Context (≤ 1410) | 14th | 0,003 | Migratory |
| BRV | 15 | 17 | 3 | Context (≤ 1410) | 14th | 0,112 | Migratory |
| BRV | 15 | 17 | 4 | Context (≤ 1410) | 14th | 0,000 | Migratory |
| BRV | 17 | 18 | 1 | Context (≤ 1410) | 14th | 0,002 | Migratory |
| BRV | 17 | 18 | 2 | Context (≤ 1410) | 14th | 0,001 | Migratory |
| BRV | 17 | 18 | 3 | Context (≤ 1410) | 14th | 0,053 | Migratory |
| BRV | 17 | 18 | 4 | Context (≤ 1410) | 14th | 0,003 | Migratory |
| BRV | 17 | 18 | 5 | Context (≤ 1410) | 14th | 0,045 | Migratory |
| BRV | 17 | 18 | 6 | Context (≤ 1410) | 14th | 0,010 | Migratory |
| BRV | 17 | 8 | 1 | Context (1410-1649) | 16th | 0,020 | Migratory |
| BRV | 17 | 8 | 2 | Context (1410-1649) | 16th | 0,020 | Migratory |
| BRV | 17 | 8 | 3 | Context (1410-1649) | 16th | 0,004 | Migratory |
| BRV | 17 | 8 | 4 | Context (1410-1649) | 16th | 0,750 | Coastal |
| BRV | 17 | 8 | 5 | Context (1410-1649) | 16th | 0,456 | Migratory |
| BRV | 17 | 8 | 6 | Context (1410-1649) | 16th | 0,062 | Migratory |
| STR | 17 | 2 | 1 | Finds to 16th century | 16th | 0,059 | Migratory |
| STR | 17 | 2 | 2 | Finds to 16th century | 16th | 0,017 | Migratory |
| STR | 17 | 2 | 3 | Finds to 16th century | 16th | 0,927 | Coastal |
| STR | 17 | 3 | 1 | Finds to 16th century | 16th | 0,106 | Migratory |
| STR | 17 | 3 | 2 | Finds to 16th century | 16th | 0,020 | Migratory |
| STR | 17 | 3 | 3 | Finds to 16th century | 16th | 0,036 | Migratory |
| STR | 17 | 12 | 1 | Finds to 16th century | 16th | 0,072 | Migratory |
| STR | 17 | 12 | 2 | Finds to 16th century | 16th | 0,001 | Migratory |
| STR | 17 | 13 | 1 | Finds to 16th century | 16th | 0,025 | Migratory |
| BRV | 15 | 5 | 1 | 270 + 32 14C yr BP | 17th | 0,005 | Migratory |
| BRV | 15 | 5 | 2 | 270 + 32 14C yr BP | 17th | 0,006 | Migratory |
| BRV | 15 | 5 | 3 | 270 + 32 14C yr BP | 17th | 0,874 | Coastal |
| BRV | 15 | 5 | 4 | 270 + 32 14C yr BP | 17th | 0,009 | Migratory |
| BRV | 15 | 5 | 5 | 270 + 32 14C yr BP | 17th | 0,444 | Migratory |
| BRV | 15 | 5 | 6 | 270 + 32 14C yr BP | 17th | 0,020 | Migratory |
| BRV | 17 | 6 | 1 | 301 + 32 14C yr BP | 17th | 0,021 | Migratory |
| BRV | 17 | 6 | 11 | 301 + 32 14C yr BP | 17th | 0,021 | Migratory |
| BRV | 17 | 6 | 2 | 301 + 32 14C yr BP | 17th | 0,498 | Migratory |
| BRV | 15 | 6 | 1 | Context (1637-1680) | 17th | 0,006 | Migratory |
| BRV | 15 | 6 | 10 | Context (1637-1680) | 17th | 0,270 | Migratory |
| BRV | 15 | 6 | 11 | Context (1637-1680) | 17th | 0,801 | Coastal |
| BRV | 15 | 6 | 2 | Context (1637-1680) | 17th | 0,926 | Coastal |
| BRV | 15 | 6 | 3 | Context (1637-1680) | 17th | 0,869 | Coastal |
| BRV | 15 | 6 | 4 | Context (1637-1680) | 17th | 0,151 | Migratory |
| BRV | 15 | 6 | 5 | Context (1637-1680) | 17th | 0,983 | Coastal |
| BRV | 15 | 6 | 6 | Context (1637-1680) | 17th | 0,985 | Coastal |
| BRV | 15 | 6 | 7 | Context (1637-1680) | 17th | 0,269 | Migratory |
| BRV | 15 | 6 | 8 | Context (1637-1680) | 17th | 0,126 | Migratory |
| BRV | 15 | 6 | 9 | Context (1637-1680) | 17th | 0,002 | Migratory |
| BRV | 17 | 7 | 1 | 301 + 32 14C yr BP | 17th | 0,102 | Migratory |
| BRV | 15 | 7 | 1 | 313 + 32 14C yr BP | 17th | 0,087 | Migratory |
| BRV | 15 | 7 | 10 | 313 + 32 14C yr BP | 17th | 0,670 | Coastal |
| BRV | 15 | 7 | 11 | 313 + 32 14C yr BP | 17th | 0,046 | Migratory |
| BRV | 15 | 7 | 12 | 313 + 32 14C yr BP | 17th | 0,868 | Coastal |
| BRV | 15 | 7 | 13 | 313 + 32 14C yr BP | 17th | 0,116 | Migratory |
| BRV | 15 | 7 | 14 | 313 + 32 14C yr BP | 17th | 0,755 | Coastal |
| BRV | 15 | 7 | 15 | 313 + 32 14C yr BP | 17th | 0,134 | Migratory |
| BRV | 15 | 7 | 16 | 313 + 32 14C yr BP | 17th | 0,010 | Migratory |
| BRV | 15 | 7 | 17 | 313 + 32 14C yr BP | 17th | 0,161 | Migratory |
| BRV | 15 | 7 | 18 | 313 + 32 14C yr BP | 17th | 0,670 | Coastal |
| BRV | 15 | 7 | 19 | 313 + 32 14C yr BP | 17th | 0,062 | Migratory |
| BRV | 15 | 7 | 2 | 313 + 32 14C yr BP | 17th | 0,498 | Migratory |
| BRV | 15 | 7 | 20 | 313 + 32 14C yr BP | 17th | 0,452 | Migratory |
| BRV | 15 | 7 | 3 | 313 + 32 14C yr BP | 17th | 0,020 | Migratory |
| BRV | 15 | 7 | 4 | 313 + 32 14C yr BP | 17th | 0,962 | Coastal |
| BRV | 15 | 7 | 6 | 313 + 32 14C yr BP | 17th | 0,564 | Coastal |
| BRV | 15 | 7 | 7 | 313 + 32 14C yr BP | 17th | 0,904 | Coastal |
| BRV | 15 | 13 | 1 | Finds to 17th century | 17th | 0,011 | Migratory |
| BRV | 15 | 13 | 2 | Finds to 17th century | 17th | 0,581 | Coastal |
| BRV | 15 | 13 | 3 | Finds to 17th century | 17th | 0,432 | Migratory |
| BRV | 15 | 13 | 4 | Finds to 17th century | 17th | 0,752 | Coastal |
| BRV | 15 | 3 | 1 | 130 + 32 14C yr BP | 18th | 0,865 | Coastal |
| BRV | 15 | 3 | 2 | 130 + 32 14C yr BP | 18th | 0,820 | Coastal |
| BRV | 15 | 3 | 3 | 130 + 32 14C yr BP | 18th | 0,894 | Coastal |
| BRV | 15 | 3 | 4 | 130 + 32 14C yr BP | 18th | 0,979 | Coastal |
| BRV | 15 | 3 | 5 | 130 + 32 14C yr BP | 18th | 0,688 | Coastal |
| BRV | 15 | 3 | 6 | 130 + 32 14C yr BP | 18th | 0,953 | Coastal |
| BRV | 15 | 4 | 1 | 165 + 30 14C yr BP | 18th | 0,209 | Migratory |
| BRV | 15 | 4 | 2 | 165 + 30 14C yr BP | 18th | 0,148 | Migratory |
| BRV | 15 | 1 | 1 | Context (>1890) | 19th | 0,003 | Migratory |
| BRV | 15 | 1 | 2 | Context (>1890) | 19th | 0,002 | Migratory |
| BRV | 15 | 1 | 3 | Context (>1890) | 19th | 0,349 | Migratory |
| BRV | 15 | 1 | 4 | Context (>1890) | 19th | 0,894 | Coastal |
| BRV | 15 | 1 | 5 | Context (>1890) | 19th | 0,164 | Migratory |
| BRV | 15 | 1 | 6 | Context (>1890) | 19th | 0,876 | Coastal |
| BRV | 15 | 1 | 7 | Context (>1890) | 19th | 0,958 | Coastal |
| BRV | 15 | 1 | 8 | Context (>1890) | 19th | 0,807 | Coastal |
| BRV | 15 | 2 | 1 | Context (>1890) | 19th | 0,003 | Migratory |
| BRV | 15 | 2 | 2 | Context (>1890) | 19th | 0,942 | Coastal |
| BRV | 15 | 2 | 3 | Context (>1890) | 19th | 0,810 | Coastal |
| BRV | 15 | 2 | 4 | Context (>1890) | 19th | 0,098 | Migratory |
| BRV | 17 | 4 | 1 | 60 + 32 14C yr BP | 19th | 0,179 | Migratory |
| BRV | 17 | 4 | 2 | 60 + 32 14C yr BP | 19th | 0,983 | Coastal |
| BRV | 17 | 5 | 1 | 60 + 32 14C yr BP | 19th | 0,001 | Migratory |
| BRV | 15 | 12 | 1 | Finds to 19th century | 19th | 0,062 | Migratory |
| BRV | 15 | 12 | 2 | Finds to 19th century | 19th | 0,031 | Migratory |
| BRV | 15 | 12 | 3 | Finds to 19th century | 19th | 0,052 | Migratory |
| BRV | 15 | 12 | 4 | Finds to 19th century | 19th | 0,989 | Coastal |