

**Supplementary material**

**African freshwater eel species (*Anguilla* spp.) identification through DNA barcoding**

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**Table S1. Summary of collection information for eel specimens included in the present study**

Specimens were collected from main river systems in KwaZulu–Natal province (South Africa) from 2016 - 2018. Data presented include year of collection, geographical location of specimen (latitude and longitude), river and catchment where sample was obtained as well as the BOLD accession number

| Individual               | Year collected | Latitude   | Longitude  | River               | Catchment  | BOLD accession |
|--------------------------|----------------|------------|------------|---------------------|------------|----------------|
| <i>A. mossambica</i> 72  | 2017           | -30.594629 | 29.793018  | Weza                | Mtamvuna   | FBIPA039-18    |
| <i>A. mossambica</i> 79  | 2017           | -29.84311  | 30.5516    | Tala Dam            | Mlazi      | FBIPA054-18    |
| <i>A. mossambica</i> 14  | 2017           | -29.769772 | 30.829056  | Molweni             | Umgeni     | FBIPA033-18    |
| <i>A. mossambica</i> 83  | 2017           | -29.779781 | 30.834492  | Ronald Kloof stream | Umgeni     | FBIPA077-18    |
| <i>A. mossambica</i> 71  | 2017           | -29.50717  | 31.2285643 | Golf dam            | Simbithi   | FBIPA038-18    |
| <i>A. mossambica</i> 27  | 2017           | -29.773137 | 30.798678  | Molweni             | Umgeni     | FBIPA032-18    |
| <i>A. mossambica</i> 65  | 2017           | -28.118332 | 32.185545  | Hluhluwe            | Hluhluwe   | FBIPA010-18    |
| <i>A. mossambica</i> 74  | 2017           | -30.579953 | 29.787291  | Mzimkhulwana        | Mzimkhulu  | FBIPA056-18    |
| <i>A. mossambica</i> 4   | 2017           | -29.809722 | 30.5       | Mlazi               | Mlazi      | FBIPA004-18    |
| <i>A. mossambica</i> 70  | 2017           | -29.50717  | 31.2285643 | Golf dam            | Simbithi   | FBIPA057-18    |
| <i>A. marmorata</i> 62   | 2016           | -29.17056  | 31.421092  | Mandini             | Thukela    | FBIPA041-18    |
| <i>A. mossambica</i> 34  | 2017           | -29.1711   | 31.42149   | Mandini             | Thukela    | FBIPA021-18    |
| <i>A. bengalensis</i> 76 | 2017           | -28.703679 | 30.0487    | Thukela             | Thukela    | FBIPA055-18    |
| <i>A. mossambica</i> 10  | 2016           | -28.94142  | 31.39416   | Nwaku               | Matikulu   | FBIPA009-18    |
| <i>A. mossambica</i> 66  | 2017           | -29.422257 | 31.25084   | Palm lake dam       | Mhlalali   | FBIPA037-18    |
| <i>A. mossambica</i> 28  | 2016           | -29.911667 | 30.2219444 | Mkobeni tributary   | Mkomazi    | FBIPA006-18    |
| <i>A. mossambica</i> 40  | 2016           | -28.94142  | 31.39416   | Nwaku               | Matikulu   | FBIPA014-18    |
| <i>A. marmorata</i> 55   | 2016           | -28.925444 | 31.6424222 | uMlalazi            | uMlalazi   | FBIPA053-18    |
| <i>A. marmorata</i> 3    | 2017           | -29.17056  | 31.421092  | Mandini             | Thukela    | FBIPA049-18    |
| <i>A. mossambica</i> 30  | 2017           | -29.89894  | 30.06294   | Umkomaas            | Mkomazi    | FBIPA070-18    |
| <i>A. mossambica</i> 25  | 2016           | -30.423944 | 29.9155556 | Bisi                | Umzimkhulu | FBIPA005-18    |
| <i>A. marmorata</i> 23   | 2016           | -29.17056  | 31.421092  | Mandini             | Thukela    | FBIPA029-18    |
| <i>A. mossambica</i> 9   | 2016           | -28.94142  | 31.39416   | Nwaku               | Matikulu   | FBIPA017-18    |
| <i>A. marmorata</i> 41   | 2017           | -29.17056  | 31.421092  | Mandini             | Thukela    | FBIPA023-18    |
| <i>A. mossambica</i> 2   | 2017           | -29.868727 | 30.780983  | Mlazi               | Mlazi      | FBIPA001-18    |
| <i>A. bengalensis</i> 24 | 2016           | -28.3596   | 31.99434   | Imfolozi            | Imfolozi   | FBIPA008-18    |
| <i>A. marmorata</i> 39   | 2016           | -29.17056  | 31.421092  | Mandini             | Thukela    | FBIPA030-18    |
| <i>A. marmorata</i> 52   | 2017           | -29.169146 | 31.375128  | Thukela (fishway)   | Thukela    | FBIPA062-18    |
| <i>A. mossambica</i> 44  | 2017           | -29.12901  | 31.32412   | Nembe               | Thukela    | FBIPA024-18    |
| <i>A. mossambica</i> 20  | 2017           | -29.08235  | 31.35244   | Nembe               | Thukela    | FBIPA020-18    |
| <i>A. mossambica</i> 36  | 2017           | -28.904211 | 30.418753  | Mooi                | Thukela    | FBIPA019-18    |
| <i>A. mossambica</i> 33  | 2017           | -29.89894  | 30.06294   | Umkomaas            | Mkomazi    | FBIPA068-18    |
| <i>A. mossambica</i> 15  | 2016           | -30.423944 | 29.9155556 | Bisi                | Umzimkhulu | FBIPA002-18    |
| <i>A. mossambica</i> 57  | 2017           | -29.364997 | 31.290369  | Nchaweni            | Mvoti      | FBIPA022-18    |

| Individual               | Year collected | Latitude   | Longitude  | River      | Catchment   | BOLD accession |
|--------------------------|----------------|------------|------------|------------|-------------|----------------|
| <i>A. mossambica</i> 21  | 2016           | -28.94142  | 31.39416   | Nwaku      | Matikulu    | FBIPA012-18    |
| <i>A. mossambica</i> 73  | 2017           | -28.719424 | 30.06529   | Thukela    | Thukela     | FBIPA025-18    |
| <i>A. mossambica</i> 16  | 2016           | -28.94142  | 31.39416   | Nwaku      | Matikulu    | FBIPA016-18    |
| <i>A. mossambica</i> 29  | 2016           | -30.220538 | 30.504744  |            | Mpambanyoni | FBIPA013-18    |
| <i>A. mossambica</i> 11  | 2016           | -28.756331 | 30.150376  | Thukela    | Thukela     | FBIPA074-18    |
| <i>A. mossambica</i> 18  | 2016           | -27.803441 | 30.247932  | Buffalo    | Thukela     | FBIPA073-18    |
| <i>A. mossambica</i> 26  | 2016           | -30.423944 | 29.9155556 | Bisi       | Umzimkhulu  | FBIPA071-18    |
| <i>A. mossambica</i> 45  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA043-18    |
| <i>A. mossambica</i> 48  | 2016           | -29.170824 | 31.393199  | Thukela    | Thukela     | FBIPA065-18    |
| <i>A. mossambica</i> 61  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA046-18    |
| <i>A. mossambica</i> 43  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA048-18    |
| <i>A. mossambica</i> 59  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA044-18    |
| <i>A. marmorata</i> 31   | 2016           | -28.925444 | 31.6424222 | uMlalazi   | uMlalazi    | FBIPA003-18    |
| <i>A. mossambica</i> 42  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA042-18    |
| <i>A. mossambica</i> 19  | 2017           | -29.161057 | 31.336045  | Thukela    | Thukela     | FBIPA072-18    |
| <i>A. marmorata</i> 12   | 2016           | -28.74695  | 31.74745   | Mhlatuze   | Matikulu    | FBIPA011-18    |
| <i>A. mossambica</i> 35  | 2017           | -29.167362 | 31.335648  | Thukela    | Thukela     | FBIPA067-18    |
| <i>A. mossambica</i> 46  | 2017           | -29.167362 | 31.335648  | Thukela    | Thukela     | FBIPA078-19    |
| <i>A. mossambica</i> 50  | 2017           | -29.167362 | 31.335648  | Thukela    | Thukela     | FBIPA064-18    |
| <i>A. mossambica</i> 53  | 2017           | -29.167362 | 31.335648  | Thukela    | Thukela     | FBIPA050-18    |
| <i>A. marmorata</i> 7    | 2016           | -28.925444 | 31.6424222 | uMlalazi   | uMlalazi    | FBIPA075-18    |
| <i>A. mossambica</i> 60  | 2017           | -29.167362 | 31.335648  | Thukela    | Thukela     | FBIPA060-18    |
| <i>A. marmorata</i> 1    | 2017           | -28.119305 | 32.183157  | Hluhluwe   | Hluhluwe    | FBIPA034-18    |
| <i>A. mossambica</i> 63  | 2016           | -29.559913 | 31.174085  | Tongati    | Tongati     | FBIPA059-18    |
| <i>A. mossambica</i> 64  | 2016           | -29.559913 | 31.174085  | Tongati    | Tongati     | FBIPA058-18    |
| <i>A. marmorata</i> 69   | 2017           | -29.515525 | 31.2146688 | Heron dam  | Simbithi    | FBIPA026-18    |
| <i>A. marmorata</i> 87   | 2017           | -28.23146  | 31.1883    | Imfolozi   | Imfolozi    | FBIPA007-18    |
| <i>A. mossambica</i> 49  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA047-18    |
| <i>A. mossambica</i> 54  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA045-18    |
| <i>A. marmorata</i> 68   | 2017           | -29.515525 | 31.2146688 | Heron dam  | Simbithi    | FBIPA036-18    |
| <i>A. marmorata</i> 67   | 2017           | -29.516295 | 31.2119255 | Weaver dam | Simbithi    | FBIPA035-18    |
| <i>A. bengalensis</i> 78 | 2017           | -28.715484 | 30.06213   | Thukela    | Thukela     | FBIPA027-18    |
| <i>A. mossambica</i> 47  | 2016           | -29.17056  | 31.421092  | Mandini    | Thukela     | FBIPA052-18    |
| <i>A. bengalensis</i> 77 | 2017           | -28.710651 | 30.060804  | Thukela    | Thukela     | FBIPA040-18    |
| <i>A. marmorata</i> 38   | 2017           | -29.169475 | 31.395291  | Thukela    | Thukela     | FBIPA031-18    |
| <i>A. bengalensis</i> 75 | 2017           | -28.702976 | 30.054005  | Thukela    | Thukela     | FBIPA028-18    |
| <i>A. bengalensis</i> 80 | 2017           | -28.715484 | 30.06213   | Thukela    | Thukela     | FBIPA051-18    |
| <i>A. marmorata</i> 32   | 2017           | -28.119305 | 32.183157  | Hluhluwe   | Hluhluwe    | FBIPA069-18    |
| <i>A. mossambica</i> 5   | 2017           | -29.82478  | 30.924995  | Palmiet    | Umgeni      | FBIPA076-18    |
| <i>A. mossambica</i> 37  | 2016           | -30.220538 | 30.504744  |            | Mpambanyoni | FBIPA066-18    |

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| Individual              | Year collected | Latitude   | Longitude | River   | Catchment | BOLD accession |
|-------------------------|----------------|------------|-----------|---------|-----------|----------------|
| <i>A. mossambica</i> 56 | 2016           | -28.756331 | 30.150376 | Thukela | Thukela   | FBIPA061-18    |
| <i>A. mossambica</i> 81 | 2017           | -29.720833 | 30.903937 | Umgeni  | Umgeni    | FBIPA018-18    |

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