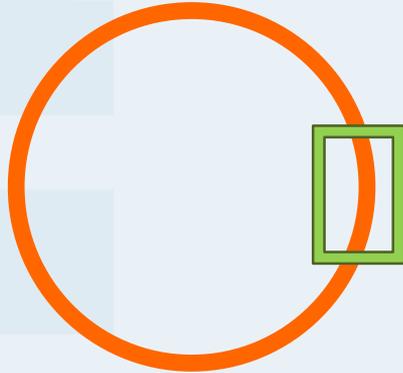
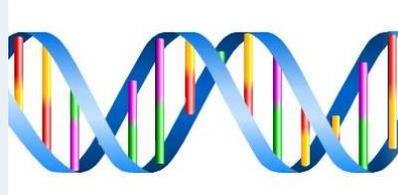


WP 3 DNA Barcode Reference





DNA



650bp
3,2 miljard

Marker



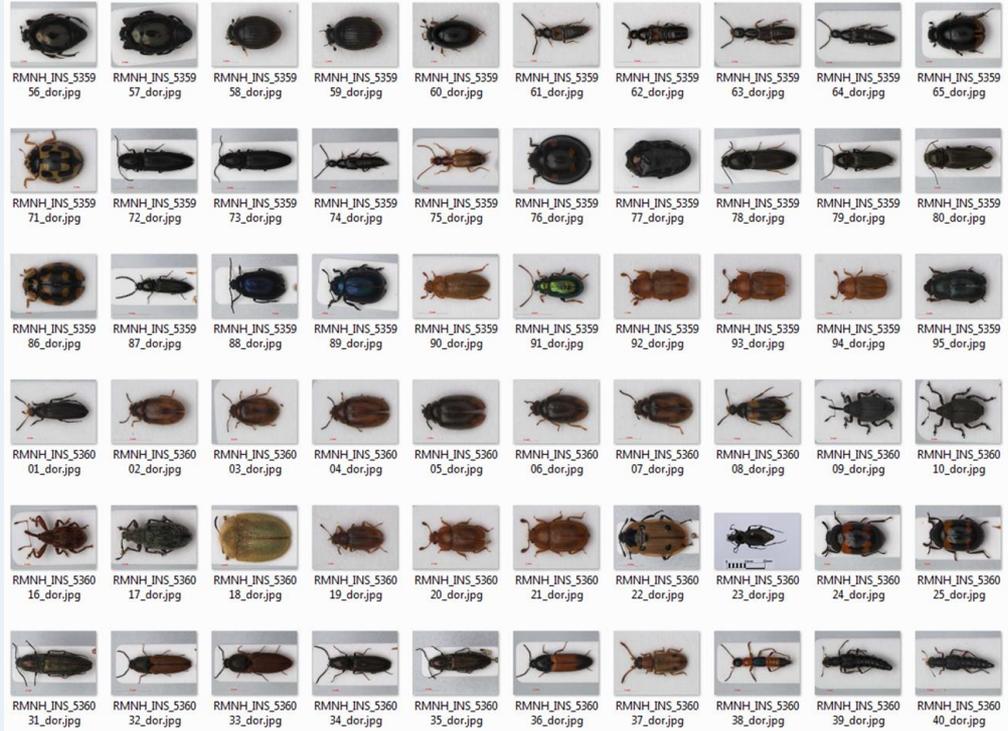
39123439



AATCGGACTTCGATTCTGGAAC...

DNA Barcode







RMNH_INS_5360
31_dor.jpg

RMNH_INS_5360
32_dor.jpg

RMNH_INS_5360
33_dor.jpg

RMNH_INS_5360
34_dor.jpg

RMNH_INS_5360
35_dor.jpg

RMNH_INS_5360
36_dor.jpg

RMNH_INS_5360
37_dor.jpg

RMNH_INS_5360
38_dor.jpg

RMNH_INS_5360
39_dor.jpg

RMNH_INS_5360
40_dor.jpg



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 License Holder: Unspecified, Deutsche Zentrum fuer Marine Biodiversitaetsforschung Wilhelmshaven

COLLECTION SITE:



TAXONOMY

| | | | |
|----------------|--------------|--------------------|--------------------------|
| Phylum: | Mollusca | Subfamily: | |
| Class: | Bivalvia | Genus: | <i>Arctica</i> |
| Order: | Veneroida | Species: | <i>Arctica islandica</i> |
| Family: | Arctidae | Subspecies: | |
| BIN ID: | BOLD:AAJ7909 | | |

* Barcode Index Numbers (BINs) Clustered barcode sequences that create OTUs operational taxonomic units closely reflective of species groupings.

SPECIMEN DETAILS

| | |
|---------------------------|---------------|
| Voucher Status: | Reproduction: |
| Tissue Descriptor: | Sex: |
| Brief Note: | Life Stage: |
| Detailed Notes: | |

COLLECTION DETAILS

| | | | |
|-------------------------|-----------------|------------------------|-----------------|
| Country: | North Sea | Date Collected: | 2012-03-13 |
| Province/State: | | Collectors: | Hermann Neumann |
| Region/County: | | | |
| Sector: | | | |
| Exact Site: | | | |
| Latitude: | 58.958 | Elevation: | -124 Meters |
| Longitude: | -1.047 | Elev. Accuracy: | |
| Coord. Source: | Depth: | | |
| Coord. Accuracy: | Depth Accuracy: | | |

SEQUENCE: COI-5P [Funding Source: N/A]

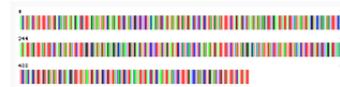
| | | | |
|----------------------|--|---------------------------|---------------|
| Sequence ID: | BNAG0037-14 COI-5P | GenBank Accession: | KR084617 |
| Last Updated: | 2019-03-11 | Genome: | Mitochondrial |
| Locus: | Cytochrome Oxidase Subunit 1 S' Region | | |
| Nucleotides: | 658 bp | | |

```
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ACAACTCTCTGGACTGCTTTTGTGTGTATGTGTGGTAAAGGGGTTTTATTAAT
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Amino Acids:

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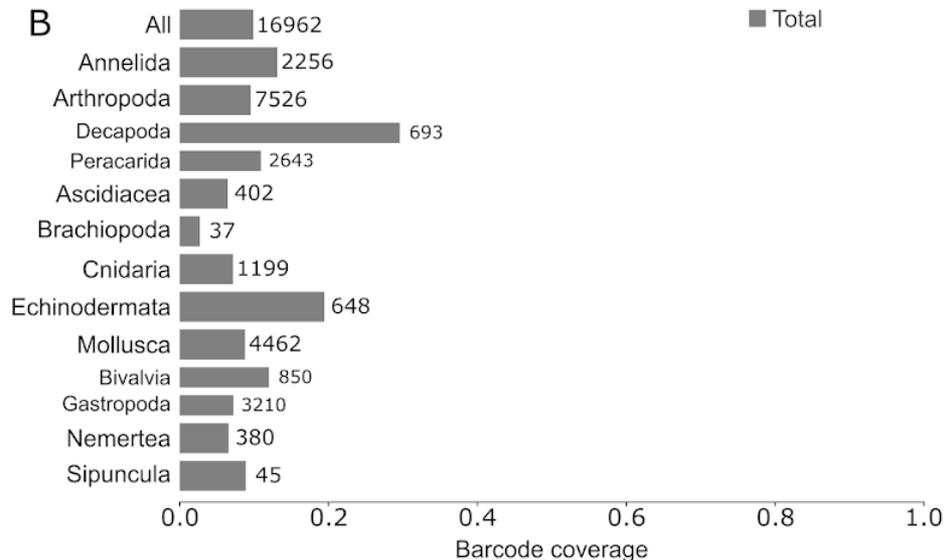
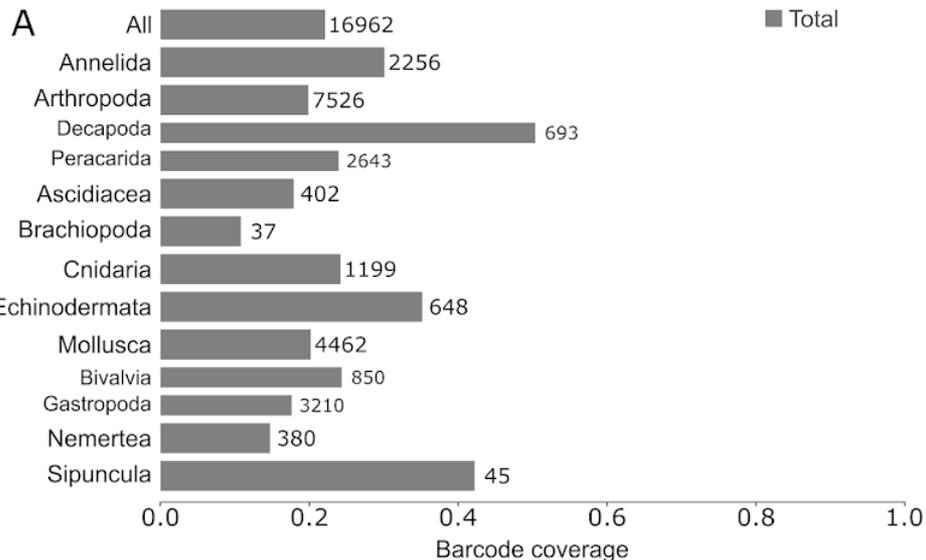
Illustrative Barcode:



ELECTROPHEROGRAM TRACE FILES: COI-5P

| Length | Primer | Read | Status | Run Date |
|--------|--------------------|---------|-----------|------------|
| 626 | COI-ALT / COIR-ALT | Forward | high qual | 2013-08-21 |
| 608 | COI-ALT / COIR-ALT | Reverse | high qual | 2013-08-21 |





Progress Report Results

[Download Progress](#)

Progress Report provides results of the comparison between checklist **CL-DS001** and all data on BOLD.

Summary of Results

| Taxon Level | Total | %Sampled | %Sequenced | %Barcoded |
|-------------|-------|----------|------------|-----------|
| Species | 1100 | 81.73% | 75.82% | 74.09% |

Progress Report Results

[Download Progress](#)

Progress Report provides results of the comparison between checklist **CL-DS002** and all data on BOLD.

Summary of Results

| Taxon Level | Total | %Sampled | %Sequenced | %Barcoded |
|-------------|-------|----------|------------|-----------|
| Species | 180 | 67.22% | 64.44% | 62.78% |

Activities

- Compile an overview of North Sea macrobenthos species
- Gap analysis DNA barcodes in databases and institutes
- Quality control available DNA barcodes
- Prioritize missing species based on stakeholders needs
- Collect and barcode targeted species



Netherlands Center for Genetic Biodiversity Assessment

Thanks for your attention