



Vivaldi Project

Data management plan

Microbiome (bivalve)

Key words: Crassostrea gigas, DNA, Bacterial diversity, vibriome

DATA MANAGEMENT PLAN

Template sheet for each dataset

Partner name	UNITS
Data category	Microbiome (bivalve)
Concerned WP	WP1 WP4 Choisissez un élément.
Name of the VIVALDI referent(s)	Microbiome: Alberto Pallavicini
Reference of the dataset <i>Please refer to the DMP table to find the appropriate reference.</i> <i>Ex: Genome-Patho/SubTaskN°/Pathogen/PartnerN°</i>	Microbiome-bivalve/SubTaskN°1.2.1/MusselClamOyster/PartnerN°12-13
	16S sequencing from contrasting animals
Description of the data	
Type	Sequences
Period and frequency of data collection	Samples has been collected the 10 th July (mortalities) and 5 th October 2017
Geographical site of data collection (if applicable)	Samples were collected in different Italian seas after an alert of bivalve mortality. The samplig sites are La Spezia (44°04'28.4"N 9°51'49.0"E), Scardovari lagoon (44°52'23.0"N 12°23'50.7"E), Barbamarco lagoon(44°59'15.8"N 12°28'41.8"E), Caterina loogon (45°05'30.2"N 12°18'23.0"E), Francavilla (42°25'20.5"N 14°17'46.8"E), San Vito (42°18'33.7"N 14°27'06.7"E), Cupra marittima(43°01'33.0"N 13°52'12.8"E).
Description of the material from which the dataset is generated <i>Information will be obtained from individuals, which can come from natural/hatchery population and/or from family produced in hatchery. Animals can</i>	Bacterial diversity and/or vibriome information will be obtained from the analysis of DNA extracted from bivalves collected in italian aquaculture sites. The samples from the abnormal mortality in Italy where initially analysed by total bacterial count, then cultured on TSA2% plates and colonies analysed by MALDI-TOF The histology analysis was done on digestive glands looking for bacteria and parasites. DNA was extracted from the whole homogenate.. no common difference could be noticed between dying and non-dying populations



<p><i>be infected (naturally or experimentally). DNA extraction can be done from the whole animal, tissue.</i></p>	
<p>Protocols <i>Example: 16S ribosomal RNA gene sequencing by NGS</i> Please refer to the DMP table* for more examples</p>	<p><i>16S ribosomal RNA (V4 region) gene sequencing by NGS</i></p>
<p>Nature of the collected/generated data <i>Example: Raw dataset in .blc/.fastqc/.fasta formats for genomic information, and processed data set will be .vcf/.bed formats.</i> Please refer to the DMP table* for more examples</p>	<p><i>Raw dataset in .fastqc format</i></p>
<p>Coverage (if applicable) <i>Example: random genomic regions covered at 50 X</i> Please refer to the DMP table* for more examples</p>	<p><i>N/A</i></p>
<p>What are the prerequisites allowing to use the data as such? <i>Example: Any person able to use .fastqc file and .fasta file</i> Please refer to the DMP table* for more examples</p>	<p><i>Any person able to use .fastqc file</i></p>
<p>Sharing of main data</p>	<p>Saved and shared after publication</p>
	<p><i>Please specify</i></p>
<p>Archiving and preservation</p>	<p><i>Raw sequences will be preserved in the server devoted for data storage at the Department of Life Sciences (UNITS). In case of publication data will be submitted to public sequence</i></p>

<p>Example: data will be stored on a hard drive + online back up and then will be released on public database (Sinoe, Dryad) after publication. Please refer to the DMP table* for more examples</p>	<p>database.</p>																																																								
<p>List, description and storage of associated data (metadata) <i>Examples: environmental data, mortality monitoring, genotyping...</i></p>	<p>Samples provided by UNIPD, DNA extracted and amplicons libraries produced by UNITS DNA sequencing performed by UNITS</p> <table border="1" data-bbox="517 775 1584 1167"> <thead> <tr> <th>Species</th> <th>No.</th> <th>Location</th> <th>Date</th> <th>T</th> <th>Salinity</th> <th>Estimated mortality [%]</th> </tr> </thead> <tbody> <tr> <td><i>Mytilus galloprovincialis</i></td> <td>180</td> <td>La Spezia</td> <td>06/03/2015</td> <td>13.5°C</td> <td>36-38/1000</td> <td>80%</td> </tr> <tr> <td><i>Crassostrea gigas</i></td> <td>≈100</td> <td>Scardovari</td> <td>18/05/2015</td> <td>21°C</td> <td>27-28/1000</td> <td>70-80%</td> </tr> <tr> <td><i>Tapes philippinarum</i></td> <td>180</td> <td>Laguna di Barbamarco</td> <td>28/05/2015</td> <td>19.6°C</td> <td>10.52/1000</td> <td>-</td> </tr> <tr> <td><i>Tapes philippinarum</i></td> <td>180</td> <td>Laguna di Caterina</td> <td>09/07/2015</td> <td>28°C</td> <td>33%</td> <td>15%</td> </tr> <tr> <td><i>Chamelea gallina</i></td> <td>90</td> <td>Transetto 7 Francavilla</td> <td>11/07/2016</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td><i>Chamelea gallina</i></td> <td>90</td> <td>Transetto 4 San Vito</td> <td>11/01/2016</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td><i>Chamelea gallina</i> †</td> <td>90</td> <td>Cupra Marittima Sud</td> <td>11/01/2016</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Species	No.	Location	Date	T	Salinity	Estimated mortality [%]	<i>Mytilus galloprovincialis</i>	180	La Spezia	06/03/2015	13.5°C	36-38/1000	80%	<i>Crassostrea gigas</i>	≈100	Scardovari	18/05/2015	21°C	27-28/1000	70-80%	<i>Tapes philippinarum</i>	180	Laguna di Barbamarco	28/05/2015	19.6°C	10.52/1000	-	<i>Tapes philippinarum</i>	180	Laguna di Caterina	09/07/2015	28°C	33%	15%	<i>Chamelea gallina</i>	90	Transetto 7 Francavilla	11/07/2016	-	-	-	<i>Chamelea gallina</i>	90	Transetto 4 San Vito	11/01/2016	-	-	-	<i>Chamelea gallina</i> †	90	Cupra Marittima Sud	11/01/2016	-	-	-
Species	No.	Location	Date	T	Salinity	Estimated mortality [%]																																																			
<i>Mytilus galloprovincialis</i>	180	La Spezia	06/03/2015	13.5°C	36-38/1000	80%																																																			
<i>Crassostrea gigas</i>	≈100	Scardovari	18/05/2015	21°C	27-28/1000	70-80%																																																			
<i>Tapes philippinarum</i>	180	Laguna di Barbamarco	28/05/2015	19.6°C	10.52/1000	-																																																			
<i>Tapes philippinarum</i>	180	Laguna di Caterina	09/07/2015	28°C	33%	15%																																																			
<i>Chamelea gallina</i>	90	Transetto 7 Francavilla	11/07/2016	-	-	-																																																			
<i>Chamelea gallina</i>	90	Transetto 4 San Vito	11/01/2016	-	-	-																																																			
<i>Chamelea gallina</i> †	90	Cupra Marittima Sud	11/01/2016	-	-	-																																																			
<p>Sharing of metadata (if relevant)</p>	<p>Saved and shared after publication</p>																																																								

*To access the [DMP table](#), please login on the VIVALDI online platform

Once completed, this sheet has to:

1. Be sent to the referent(s) identified above for a final check
2. Be uploaded on the [VIVALDI online platform](#)

