Preventing and mitigating farmed bivalve diseases

Vivaldi Project

Data management plan

Towards reference intervals for shellfish: an illustration case with feeding and respiration activities in the Pacific cupped oyster Crassostrea gigas

Key words: Bivalvia, Ostreidae, health, physiology, reference values

DATA MANAGEMENT PLAN

Template sheet for each dataset

Partner name	*IFREMER*
Data category	*Phenotypic markers (host)*
Concerned WP	*WP2* *Choisissez un élément.* *Choisissez un élément.*
Name of the VIVALDI referent(s)	*Phenotypic markers (host): Florian Enez & Christine Paillard*
Reference of the dataset *Please refer to the DMP table to find the appropriate reference.* *Ex: Genome-Patho/SubTaskN°/Pathogen/PartnerN°*	*Phenotypic-Marker-Host/2.2.1/C.Gigas/Ifremer*
Description of the data	*Clearance rate and oxygen consumption rate of (i) healthy reference population and (ii) experimentally infected population of C. gigas*
Type	*Tabular files*
Period and frequency of data collection	*2017 every week*
Geographical site of data collection (if applicable)	*Ifremer La Tremblade*
Description of the material from which the dataset is generated *Information will be obtained from individuals, which can come from natural/hatchery population and/or from family produced in hatchery. Animals can be infected (naturally or experimentally). DNA extraction can be done from the whole animal, tissue.* **Protocols** *Example: 16S ribosomal RNA gene sequencing by NGS* ***Please refer to the DMP table* for more examples***	*Oysters (2n-3n-4n, unselected and selected for increased resistance against pathogens) produced in Ifremer's hatchery.* *Pathogens used during experimental infection : OsHV-1, Vibrio aestuarianus* *The acquisition device used is inspired by Haure et al. (2003). Respiration and filtration rates are acquired every minute during two hours (reference data) and six days (infectious challenge data).*
Nature of the collected/generated data *Example: Raw dataset in .blc/.fastqc/.fasta formats for genomic information, and processed datas set*	*Raw datasets in ASCII tablular format*

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will be .vcf/.bed formats. ***Please refer to the DMP table* for more examples***	
Coverage (if applicable) *Example: random genomic regions covered at 50 X* ***Please refer to the DMP table* for more examples***	*Measurements every minute during two hours (reference data) and six days (infectious challenge data).*
What are the prerequisites allowing to use the data as such? *Example: Any person able to use .fastqc file and .fasta file* ***Please refer to the DMP table* for more examples***	*Any person able to use tablular files*
Sharing of main data	*Saved and shared after publication* Cliquez ici pour taper du texte.
Archiving and preservation *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***	*The data will be stored on a Ifremer computer server*

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