Vivaldi Project

Data management plan

Genotypes of 1536 F2 individuals (Affymetrix AXIOM Thermo-Fisher Array Thermo-Fisher) across 40 625 SNP

Keyword: Axiom Array, Crassostrea gigas,F2 design, VIV,OsHV1 infection.

08/03/2019

DATA MANAGEMENT PLAN

Template sheet for each dataset

Partner name	*IFREMER*
Data category	*Genetic markers*
Concerned WP	*WP3*
Name of the VIVALDI referent(s)	*Genetic markers: Mathias Wegner & JB Lamy*
Reference of the dataset *Please refer to the DMP table to find the appropriate reference.* *Ex: Genome-Patho/SubTaskN°/Pathogen/PartnerN°*	*Genetic-Marker/3.1.1/Crassostreagigas/* Ifremer
Description of the data	*Montoring of individual statut (alive,dead) after an impregnation in the field (during OsHV1 outbreaks) of 2000 Crassostrea gigas.*
Type	*Tabular files*
Period and frequency of data collection	from 18/07/2017 to 21/07/2017 during 3 days to sample all the dead individuals and 2 months for the alive individuals (18/09/2019)
Geographical site of data collection (if applicable)	*Impregnation place France 17390 La Tremblade Ronce-les-Bains La Floride » : LAT 45.802968° and LONG -1.153421°*
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.*	*Offsprings are from F2 famillies. Grand-parents were highly resistant versus highly sensible individuals to OsHV1 infections. More than 2000 have been challenged, but we select 1500 individual amongst the earlier dead and lastest survivors to be genotyped.*
Protocols *Example: 16S ribosomal RNA gene sequencing by NGS* ***Please refer to the DMP table* for more examples***	We use an impregnation protocol. Briefly, 2000 offsprings from an F2 design were placed into the field (*17390 La Tremblade Ronce-les-Bains France "La Floride » : LAT 45.802968° and LONG -1.153421°*) just before the beginning of the mortality outbreaks, and the batches were monitored each day until the first mortalities. In the laboratory, the batches were checked two times a day

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	(18/07/2017 to 21/07/2017) to sample dead individuals. Batches were moved back into the field and at the end of the summer period, survivors were sampled (18/09/2017). On the 35 individuals chosen to be sequenced, 5 were moribund individuals, directly during the monitoring, and the remaining were survivors.
Nature of the collected/generated data *Example: Raw dataset in .blc/.fastqc/.fasta formats for genomic information, and processed datas set will be .vcf/.bed formats.* ***Please refer to the DMP table* for more examples***	*Tabular files or CEL files*
Coverage (if applicable) *Example: random genomic regions covered at 50 X* ***Please refer to the DMP table* for more examples***	*N/A*
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***	*Anybody that is able to use R or AXIOM software suite*
Sharing of main data	*Saved but will remain confidential even after publication* *Please specify*
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 dataset is archived on an external hard-drive DISKII_G:* G:\IFREMER\02-PROJETS\H2020\Tackling_diease\08_QTL_detection_VIVALDI\07_puce_Affymetrix\01_raw_data
List, description and storage of associated data (metadata) *Examples: environmental data, mortality monitoring, genotyping…*	*The pedigree files and phenotype dataset (seeDMP PhenotypeHost) is archived on an external hard-drive DISKII_G: G:\IFREMER\02-PROJETS\H2020\Tackling_diease\08_QTL_detection_VIVALDI\03_sampling_design\01_input*
Sharing of metadata (if	*Saved and shared after publication*

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relevant)	*Please specify*

*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**

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