

Dataset of entomological indicators for all *Anopheles* species caught in Western Province, Solomon Islands (2014 – 2017)

Description of data archiving for analysis

A series of experiments examining the demographics of adult female anophelines were conducted in Western Province, Solomon Islands. This work commenced on 19/03/2014 and was completed on 13/07/2017. The data from the entire set of experiments has been archived into one database, which has been analysed over a series of manuscripts. Each experiment can be quickly identified using the “ProjectID” which runs from ENT03 to ENT15.

Seasonality of *An. farauti*

Parameter	Details
<i>Aim</i>	To profile the seasonality of <i>Anopheles</i> species biting densities
<i>Dates</i>	From March 2014 – July 2017
<i>Table</i>	Adult, Dissection and Molecular
<i>ProjectID</i>	All
<i>Trapping method</i>	HLC stationed outside of houses. All HLC collections made inside of houses were excluded from the analysis.
<i>Number of stations</i>	Usually 10 stations labelled A to J. However for some project codes the number of stations is more or less than 10 and the labelling differs.
<i>Collection times</i>	Hourly from 18.00 to 00.00 hours. Noting that during ENT05 mosquitoes were collected from 00.00 to 06.00 and this data is excluded for a standardised comparison.

All night biting profile of *An. farauti*

Parameter	Details
<i>Aim</i>	To profile the outdoor biting profile of <i>An. farauti</i> and <i>An. lungae</i>
<i>Dates</i>	4 consecutive nights in each village. For Jack Harbour was 14 th – 17 th September 2014 and for Saeragi was 9 th – 12 th September 2014.
<i>Table</i>	Adult and Molecular
<i>ProjectID</i>	ENT05
<i>Trapping method</i>	HLC stationed outside of houses
<i>Number of stations</i>	10 stations labelled A to J
<i>Collection times</i>	Hourly from 18.00 to 06.00 hours.

Data dictionary for Project Details table (this table records the generalised details of each experiment)

Parameter	Type	Details
ProjectID	Text	Identifier for the specific project
ProjectName	Text	Title for each project
Investigating scientist	Text	Name of the scientist to contact for more details
DateStart	Date/Time	Date that the project commenced
DateCompleted	Date/Time	Date that the project was completed

Data dictionary for Adult table (this table records the results of mosquito collections)

Parameter	Type	Details
ProjectID	Text	Identifier for the specific project
Province	Text	Province Name
Island	Text	Island name
Village	Text	Village name
Date	Date/Time	Date
Trap	Text	Trap type
TrapDetail	Text	Details of the trap (ie In vs Out or Swamp vs Village)
Station	Text	Station name (Host number/ site/ HLC number)
CollectionTime	Text	Collection time window
TotalFemaleFarauti	Number	Total female An farauti captured
TotalFemaleLungae	Number	Total female An lungae captured
Notes	Text	Notes

Data dictionary for Dissection table (this table records the results of mosquito dissections for parity and insemination)

Parameter	Type	Details
ProjectID	Text	Identifier for the specific project
Province	Text	Province Name
Island	Text	Island name
Village	Text	Village name
Date	Date/Time	Date
Trap	Text	Trap type
MorphologicalID	Text	Morphological identification of <i>Anopheles</i> spp.
CollectionTime	Text	Collection time window
Station	Text	Station name (Host number/ site/ HLC number)
Nullipar	Number	1 = yes
Parous	Number	1 = yes
Parity	Text	=IF(Nullipar=1,"Nulliparous",(IF(Parous=1,"Parous","")))
Notes	Text	Notes

Data dictionary for Molecular table (this table records the results of laboratory analyses)

Parameter	Type	Details
ProjectID	Text	Identifier for the specific project
Laboratory	Text	Identifier of the laboratory where the analysis was conducted (AMI or UQ)
LabID	Text	Identifier for each mosquito used in the laboratory
Stage	Text	Records life cycle stage of sample: larvae vs adult
Province	Text	Province name
Village	Text	Village name
Trap	Text	Trap type
Date	Date/Time	Date
CollectionTime	Text	Collection time window
Station	Text	Station name (Host number/site/HLC number)
Sex	Text	Sex of the mosquito
Mosquito no	Text	Number of the specimen from each sample tube
MorphologicalID	Text	Morphological identification of the mosquito
Spz PCR	Text	Sporozoite PCR (positive/negative)
ITS2 contig	Text	Sequence group number (95% identity)
Species (ITS2 BLAST)	Text	Molecular identification to species using top NCBI BLAST result
ITS2 best hit (genbank ID)	Text	Best hit in Genbank
ITS2 coverage	Text	% coverage of entire sequence
ITS2 %ID	Text	% similarity
ITS2 E value	Text	E value
ITS2 date of blast	Text	Date of blast
Notes	Text	Notes