Defining the larval habitat: abiotic, biological and chemical parameters associated with Anopheles farauti productivity

Description of data archiving for analysis

Larval surveys were conducted during January and August 2016 near villages in Western Province (Jack Harbour, Saeragi, Kinamara, and New Mala; -8.0° S, 157.0° E) and Central Province (Haleta; $-9^{\circ}5'$ 56" S, $160^{\circ}6'$ 56" E) of the Solomon Island. The data from the entire set of experiments has been archived into one database.

Larval distribution

Parameter	Details		
Aim	To investigate the distribution of mosquitoes throughout the Provinces by		
	larval surveys		
Dates	The larval surveys were conducted during January to August 2016.		
Tables	There are three linked tables that contain the larval distribution data		
	1. GIS data – This table details the Latitude and Longitude for each site that was surveyed.		
	2. Field data – This table contains the information that was recorded during each survey.		
	3. PCR data – This table contains the results of PCR analyses run for species identification of larval samples		
	Data in the three tables is linked using the SiteID		
ProjectID	MTC25, MTC27, ENT10 and ENT12		
Trapping method	Dipping		

Data dictionary for GIS data table

Parameter	Type	Details
Habitat ID	Text	The unique identifying code for the larval site
Site ID	Text	The unique identifying code for the survey station
Latitude	Double	Latitude for the larval site
Longitude	Double	Longitude for the larval site
Village	Text	Village name

Data dictionary for the Field data table

ProjectID	Parameter	Type	Details
Date Visit Date/Time Date that the survey was conducted Village Text Village where the survey was conducted HabitatID Text The unique identifying code for the larval site SiteID Integer The unique identifying code for the larval site HabitatType Text The type of habitat that constitutes the survey site HabitatTypeCat Text Categorisation of the habitat type Substrate Text Description of the base of the larval habitat Water Level (cm) Integer bistance from the bottom to the surface of an aquatic habitat measured approximately 30 cm from the perimeter of the habitat Perimeter Text Perimeter of the habitat, described by its size Perimeter Text Perimeter of the land bank at the point where it meets the water surface Canopy Type Text Vegetation coverage above the sampling site Sunlight Text Amount of natural illumination of the larval habitat during the day Vegetation Text Types of plants living in the sample site Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators	ProjectID	Text	Identifier for the specific project
Village Text Village where the survey was conducted HabitatID Text The unique identifying code for the larval site SiteID Integer The unique identifying code for the larval site HabitatType Text The type of habitat that constitutes the survey site HabitatTypeCat Text Categorisation of the habitat type Substrate Text Description of the base of the larval habitat Water Level (cm) Integer babitat measured approximately 30 cm from the perimeter of the habitat Perimeter Text Perimeter of the habitat, described by its size Slope (Degrees) Text Perimeter of the land bank at the point where it meets the water surface Canopy Type Text Vegetation coverage above the sampling site Sunlight Text The gradient of the land bank at the point where it meets the water surface Canopy Type Text Vegetation coverage above the sampling site Sunlight Text The gradient of the land bank at the point where it meets the water surface Land Text The gradient of the land bank at the point where it meets the water surface Canopy Type Text	MthYr	Text	Month and Year that the survey was conducted
HabitatID Text The unique identifying code for the larval site SiteID Integer The unique identifying code for the larval site HabitatType Text The type of habitat that constitutes the survey site HabitatTypeCat Text Categorisation of the habitat type Substrate Text Description of the base of the larval habitat Water Level (cm) Integer habitat measured approximately 30 cm from the perimeter of the habitat Perimeter Text Perimeter of the habitat, described by its size Slope (Degrees) Text Perimeter of the habitat, described by its size Canopy Type Text Perimeter of the habitat, described by its size Canopy Type Text Vegetation coverage above the sampling site Sunlight Text Vegetation coverage above the sampling site Wegetation Text Types of plants living in the sample site Pedators Text Types of plants living in the sample site Predators Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat that predators Predators Text Animals that	DateVisit	Date/Time	Date that the survey was conducted
HabitatID Text The unique identifying code for the larval site SiteID Integer The unique identifying code for the larval site HabitatType Text The type of habitat that constitutes the survey site HabitatTypeCat Text Categorisation of the habitat type Substrate Text Description of the base of the larval habitat Water Level (cm) Integer habitat measured approximately 30 cm from the perimeter of the habitat Perimeter Text Perimeter of the habitat, described by its size Slope (Degrees) Text Perimeter of the habitat, described by its size Canopy Type Text Perimeter of the habitat, described by its size Canopy Type Text Vegetation coverage above the sampling site Sunlight Text Vegetation coverage above the sampling site Wegetation Text Types of plants living in the sample site Pedators Text Types of plants living in the sample site Predators Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat that predators Predators Text Animals that	Village	Text	Village where the survey was conducted
HabitatTypeCat Text Categorisation of the habitat type Substrate Text Description of the base of the larval habitat Water Level (cm) Integer of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat measured approximately 30 cm from the perimeter of the habitat described by its size Text Perimeter of the habitat, described by its size Taxt Vegetation of the land bank at the point where it meets the water surface Canopy Type Text Vegetation coverage above the sampling site Amount of natural illumination of the larval habitat during the day Vegetation Text Types of plants living in the sample site Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 5 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7	HabitatID	Text	
HabitatTypeCatTextCategorisation of the habitat typeSubstrateTextDescription of the base of the larval habitatWater Level (cm)IntegerDistance from the bottom to the surface of an aquatic habitat measured approximately 30 cm from the perimeter of the habitatPerimeterTextPerimeter of the habitat, described by its sizeSlope (Degrees)TextThe gradient of the land bank at the point where it meets the water surfaceCanopy TypeTextVegetation coverage above the sampling siteSunlightTextTypes of plants living in the sample siteTextThe remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitatDebrisTextAnimals that naturally prey on immature mosquitoesDip 1IntegerNumber of larvae collected during dip 1Stage 1TextDevelopment stage of the larvae collected during dip 1Dip 2IntegerNumber of larvae collected during dip 2Stage 2TextDevelopment stage of the larvae collected during dip 3Stage 3TextDevelopment stage of the larvae collected during dip 3Dip 4IntegerNumber of larvae collected during dip 4Stage 4TextDevelopment stage of the larvae collected during dip 5Stage 5TextDevelopment stage of the larvae collected during dip 5Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 7Dip 7IntegerNumber of larvae collected durin	SiteID	Integer	The unique identifying code for the larval site
HabitatTypeCatTextCategorisation of the habitat typeSubstrateTextDescription of the base of the larval habitatWater Level (cm)IntegerDistance from the bottom to the surface of an aquatic habitat measured approximately 30 cm from the perimeter of the habitatPerimeterTextPerimeter of the habitat, described by its sizeSlope (Degrees)TextThe gradient of the land bank at the point where it meets the water surfaceCanopy TypeTextVegetation coverage above the sampling siteSunlightTextTypes of plants living in the sample siteTextThe remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitatDebrisTextAnimals that naturally prey on immature mosquitoesDip 1IntegerNumber of larvae collected during dip 1Stage 1TextDevelopment stage of the larvae collected during dip 1Dip 2IntegerNumber of larvae collected during dip 2Stage 2TextDevelopment stage of the larvae collected during dip 3Stage 3TextDevelopment stage of the larvae collected during dip 3Dip 4IntegerNumber of larvae collected during dip 4Stage 4TextDevelopment stage of the larvae collected during dip 5Stage 5TextDevelopment stage of the larvae collected during dip 5Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 7Dip 7IntegerNumber of larvae collected durin	HabitatType	Text	The type of habitat that constitutes the survey site
Distance from the bottom to the surface of an aquatic habitat measured approximately 30 cm from the perimeter of the habitat Perimeter Text Perimeter of the habitat, described by its size Slope (Degrees) Text The gradient of the land bank at the point where it meets the water surface Canopy Type Text Vegetation coverage above the sampling site Sunlight Text Amount of natural illumination of the larval habitat during the day Vegetation Text Types of plants living in the sample site Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Stage 7 Text Development stage of the larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7	HabitatTypeCat	Text	
Water Level (cm)IntegerDistance from the bottom to the surface of an aquatic habitat measured approximately 30 cm from the perimeter of the habitatPerimeterTextPerimeter of the habitat, described by its sizeSlope (Degrees)TextThe gradient of the land bank at the point where it meets the water surfaceCanopy TypeTextVegetation coverage above the sampling siteSunlightTextAmount of natural illumination of the larval habitat during the dayVegetationTextTypes of plants living in the sample siteDebrisTextThe remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitatPredatorsTextAnimals that naturally prey on immature mosquitoesDip 1IntegerNumber of larvae collected during dip 1Stage 1TextDevelopment stage of the larvae collected during dip 2Stage 2TextDevelopment stage of the larvae collected during dip 2Dip 3IntegerNumber of larvae collected during dip 3Stage 3TextDevelopment stage of the larvae collected during dip 3Dip 4IntegerNumber of larvae collected during dip 4Stage 4TextDevelopment stage of the larvae collected during dip 5Stage 5TextDevelopment stage of the larvae collected during dip 5Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 7Dip 7IntegerNumber of larvae collected during dip 7Stage 7Text </td <td>Substrate</td> <td>Text</td> <td>Description of the base of the larval habitat</td>	Substrate	Text	Description of the base of the larval habitat
Water Level (cm)Integerhabitat measured approximately 30 cm from the perimeter of the habitatPerimeterTextPerimeter of the habitat, described by its sizeSlope (Degrees)TextThe gradient of the land bank at the point where it meets the water surfaceCanopy TypeTextVegetation coverage above the sampling siteSunlightTextAmount of natural illumination of the larval habitat during the dayVegetationTextTypes of plants living in the sample siteTextThe remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitatPredatorsTextAnimals that naturally prey on immature mosquitoesDip 1IntegerNumber of larvae collected during dip 1Stage 1TextDevelopment stage of the larvae collected during dip 2Stage 2TextDevelopment stage of the larvae collected during dip 2Dip 3IntegerNumber of larvae collected during dip 3Stage 3TextDevelopment stage of the larvae collected during dip 3Dip 4IntegerNumber of larvae collected during dip 4Stage 4TextDevelopment stage of the larvae collected during dip 5Stage 5TextDevelopment stage of the larvae collected during dip 5Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 7Dip 7IntegerNumber of larvae collected during dip 7Dip 8IntegerNumber of larvae collected during dip 6 <td></td> <td></td> <td>-</td>			-
PerimeterTextPerimeter of the habitat, described by its sizeSlope (Degrees)TextThe gradient of the land bank at the point where it meets the water surfaceCanopy TypeTextVegetation coverage above the sampling siteSunlightTextAmount of natural illumination of the larval habitat during the dayVegetationTextTypes of plants living in the sample siteDebrisTextThe remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitatPredatorsTextAnimals that naturally prey on immature mosquitoesDip 1IntegerNumber of larvae collected during dip 1Stage 1TextDevelopment stage of the larvae collected during dip 1Dip 2IntegerNumber of larvae collected during dip 2Stage 2TextDevelopment stage of the larvae collected during dip 2Dip 3IntegerNumber of larvae collected during dip 3Stage 3TextDevelopment stage of the larvae collected during dip 3Dip 4IntegerNumber of larvae collected during dip 4Stage 4TextDevelopment stage of the larvae collected during dip 5Stage 5TextDevelopment stage of the larvae collected during dip 5Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 6Dip 7IntegerNumber of larvae collected during dip 7Stage 7TextDevelopment stage of the larvae collected during dip 7Dip 8Int	Water Level (cm)	Integer	-
Slope (Degrees)TextThe gradient of the land bank at the point where it meets the water surfaceCanopy TypeTextVegetation coverage above the sampling siteSunlightTextAmount of natural illumination of the larval habitat during the dayVegetationTextTypes of plants living in the sample siteDebrisTextThe remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitatPredatorsTextAnimals that naturally prey on immature mosquitoesDip 1IntegerNumber of larvae collected during dip 1Stage 1TextDevelopment stage of the larvae collected during dip 2Stage 2TextDevelopment stage of the larvae collected during dip 2Dip 3IntegerNumber of larvae collected during dip 3Stage 3TextDevelopment stage of the larvae collected during dip 3Dip 4IntegerNumber of larvae collected during dip 4Stage 4TextDevelopment stage of the larvae collected during dip 4Dip 5IntegerNumber of larvae collected during dip 5Stage 5TextDevelopment stage of the larvae collected during dip 5Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 7Stage 7TextDevelopment stage of the larvae collected during dip 7Dip 8IntegerNumber of larvae collected during dip 1		_	of the habitat
the water surface Canopy Type Text Vegetation coverage above the sampling site Amount of natural illumination of the larval habitat during the day Vegetation Text Types of plants living in the sample site Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Stage 6 Text Development stage of the larvae collected during dip 6 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7	Perimeter	Text	Perimeter of the habitat, described by its size
Canopy Type Text Vegetation coverage above the sampling site Sunlight Text Amount of natural illumination of the larval habitat during the day Vegetation Text Types of plants living in the sample site Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Stage 6 Text Development stage of the larvae collected during dip 6 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7	GI (D)	T	The gradient of the land bank at the point where it meets
SunlightTextAmount of natural illumination of the larval habitat during the dayVegetationTextTypes of plants living in the sample siteTextThe remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitatPredatorsTextAnimals that naturally prey on immature mosquitoesDip 1IntegerNumber of larvae collected during dip 1Stage 1TextDevelopment stage of the larvae collected during dip 2Dip 2IntegerNumber of larvae collected during dip 2Stage 2TextDevelopment stage of the larvae collected during dip 3Stage 3TextDevelopment stage of the larvae collected during dip 3Dip 4IntegerNumber of larvae collected during dip 4Stage 4TextDevelopment stage of the larvae collected during dip 4Dip 5IntegerNumber of larvae collected during dip 5Stage 5TextDevelopment stage of the larvae collected during dip 5Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 6Dip 7IntegerNumber of larvae collected during dip 7Stage 7TextDevelopment stage of the larvae collected during dip 7Dip 8IntegerNumber of larvae collected during dip 8	Slope (Degrees)	Text	the water surface
the day Vegetation Text Types of plants living in the sample site Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Stage 6 Text Development stage of the larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Canopy Type	Text	Vegetation coverage above the sampling site
Vegetation Text Types of plants living in the sample site Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	C1:-1-4		Amount of natural illumination of the larval habitat during
Text The remains of vegetation (non-living) and man-made materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Sunlight	Text	the day
Debris materials (paper, plastic, metal) in or on the larval habitat Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Vegetation	Text	Types of plants living in the sample site
Predators Text Animals that naturally prey on immature mosquitoes Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8		Text	The remains of vegetation (non-living) and man-made
Dip 1 Integer Number of larvae collected during dip 1 Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Debris		materials (paper, plastic, metal) in or on the larval habitat
Stage 1 Text Development stage of the larvae collected during dip 1 Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Predators	Text	Animals that naturally prey on immature mosquitoes
Dip 2 Integer Number of larvae collected during dip 2 Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Dip 1	Integer	Number of larvae collected during dip 1
Stage 2 Text Development stage of the larvae collected during dip 2 Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Stage 1	Text	Development stage of the larvae collected during dip 1
Dip 3 Integer Number of larvae collected during dip 3 Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Dip 2	Integer	Number of larvae collected during dip 2
Stage 3 Text Development stage of the larvae collected during dip 3 Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Stage 2	Text	Development stage of the larvae collected during dip 2
Dip 4 Integer Number of larvae collected during dip 4 Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Dip 3	Integer	Number of larvae collected during dip 3
Stage 4 Text Development stage of the larvae collected during dip 4 Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Stage 3	Text	Development stage of the larvae collected during dip 3
Dip 5 Integer Number of larvae collected during dip 5 Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Dip 4	Integer	Number of larvae collected during dip 4
Stage 5 Text Development stage of the larvae collected during dip 5 Dip 6 Integer Number of larvae collected during dip 6 Stage 6 Text Development stage of the larvae collected during dip 6 Dip 7 Integer Number of larvae collected during dip 7 Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Stage 4	Text	Development stage of the larvae collected during dip 4
Dip 6IntegerNumber of larvae collected during dip 6Stage 6TextDevelopment stage of the larvae collected during dip 6Dip 7IntegerNumber of larvae collected during dip 7Stage 7TextDevelopment stage of the larvae collected during dip 7Dip 8IntegerNumber of larvae collected during dip 8	Dip 5	Integer	Number of larvae collected during dip 5
Stage 6TextDevelopment stage of the larvae collected during dip 6Dip 7IntegerNumber of larvae collected during dip 7Stage 7TextDevelopment stage of the larvae collected during dip 7Dip 8IntegerNumber of larvae collected during dip 8	Stage 5	Text	Development stage of the larvae collected during dip 5
Dip 7IntegerNumber of larvae collected during dip 7Stage 7TextDevelopment stage of the larvae collected during dip 7Dip 8IntegerNumber of larvae collected during dip 8	Dip 6	Integer	
Stage 7 Text Development stage of the larvae collected during dip 7 Dip 8 Integer Number of larvae collected during dip 8	Stage 6	Text	Development stage of the larvae collected during dip 6
Dip 8 Integer Number of larvae collected during dip 8	Dip 7	Integer	Number of larvae collected during dip 7
Dip 8 Integer Number of larvae collected during dip 8	Stage 7	Text	Development stage of the larvae collected during dip 7
<u> </u>	Dip 8	Integer	
Stage of the lat vac confected duting dip o	Stage 8	Text	Development stage of the larvae collected during dip 8

Dip 9	Integer	Number of larvae collected during dip 9
Stage 9	Text	Development stage of the larvae collected during dip 9
Dip 10	Integer	Number of larvae collected during dip 10
Stage 10	Text	Development stage of the larvae collected during dip 10
Total	Integer	Total number of larvae collected from 10 dips
Site Positive	Text	Categorisation of the site as positive or negative for larvae
Anophelines	Text	Development stage of all anopheline larvae collected
Culicines	Text	Development stage of all culicine larvae collected
Pupae	Text	Presence or absence of pupae from 10 dips
Temperature	Integer	Temperature recorded in degrees Celsius
рН	Integer	Measurement of the pH
Salinity	Integer	Salinity recorded in parts per hundred
Nitrite	Integer	Semi-quantitative measurement of nitrite
Nitrate	Integer	Semi-quantitative measurement of nitrate
Ammonia	Integer	Semi-quantitative measurement of ammonia
Phosphate	Integer	Semi-quantitative measurement of phosphate
AF_Total	Integer	The total number of An. farauti s.s. confirmed by PCR
AF_Positive	Text	Presence or absence of An. farauti s.s. in the sample site
AH_Total	Integer	The total number of <i>An. hinesorum</i> confirmed by PCR
AH_Positive	Text	Presence or absence of <i>An. hinesorum</i> in the sample site

Data dictionary for the Molecular table

Parameter	Type	Details
Date Visited	Date/Time	Date that the survey was conducted
Village	Text	Village name
SiteID	Integer	The unique identifying code for the larval site
PCR_Species	Text	Molecular identification to species

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

Parameter	Type	Details
Province	Text	Province name
ProjectID	Text	Identifier for the specific project
ProjectName	Text	Title for each project
DateStart	Date/Time	Date that the project commenced
DateCompleted	Date/Time	Date that the project was completed