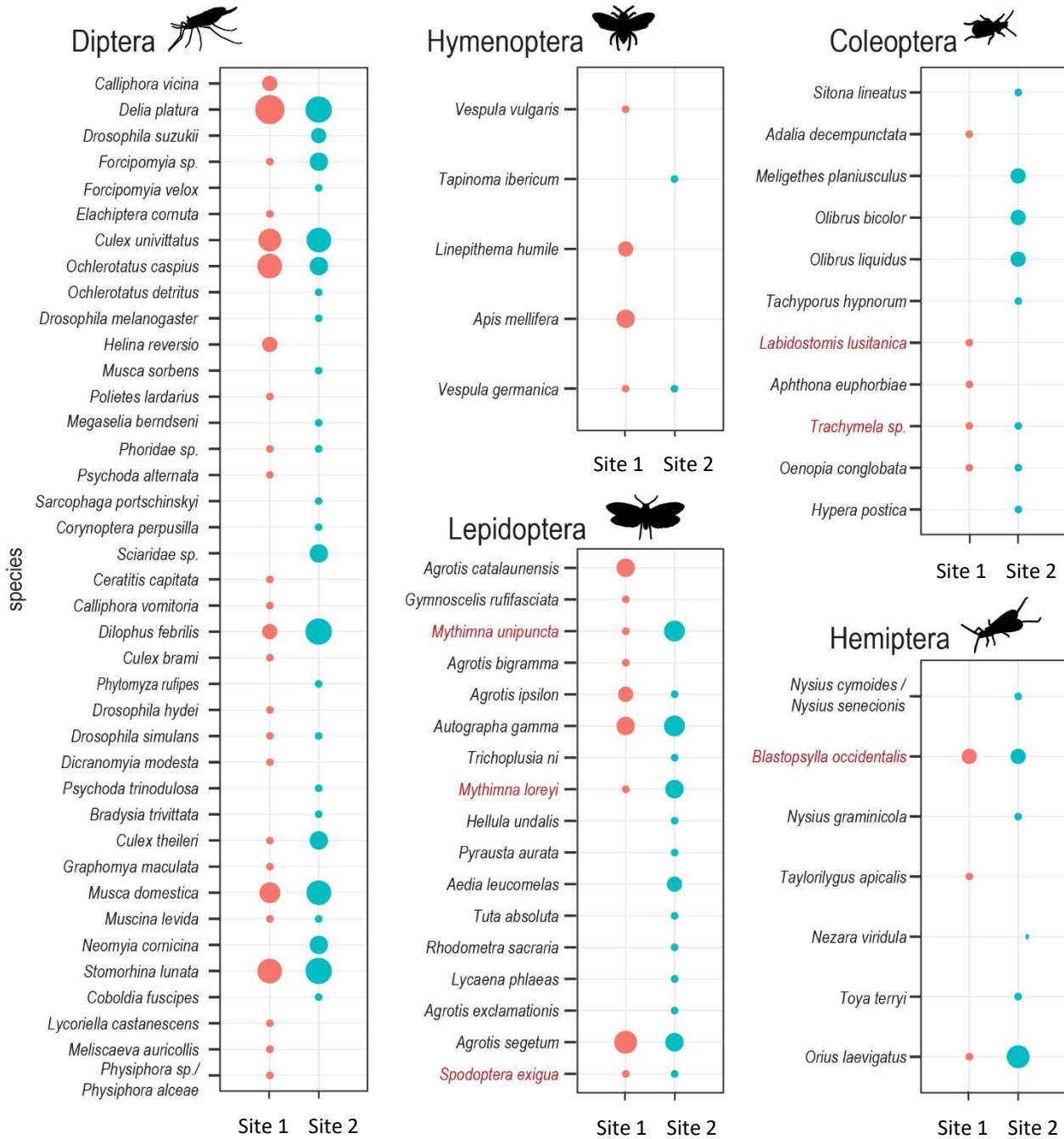


**Figure 1:** Phylogeny tree of detected insects. The overall insect genera captured in the survey genera are categorized by Order.

## E-DNA InsectScan









<b>Internal Reference</b>	23030026_Mobilane	<b>Date Received</b>	06/11/2023
<b>Client</b>	Mobilane	<b>Date Delivered</b>	20/12/2023
<b>Product/ Package</b>	InsectScan	<b>Contact(s)</b>	Vanessa Luís (vanessa.luis@sgs.com)
<b>Target Taxa</b>	Insects		Filipe Cadete (filipe.cadete@sgs.com)
			João Rodrigues (joao.silvarodrigues@sgs.com)



**Figure 2:** Bubble plots of insect frequency per Arthropod Order. Frequency of insect species of the taxonomic orders Diptera, Lepidoptera, Coleoptera, Hemiptera, and Hymenoptera are presented and organized by site.

**Table 1:** Most commonly observed insects

The total number of insects detected are identified by taxonomic Order, with reference to the most commonly detected species in each.

Order	# Species	Top Species
 <b>Diptera</b> (Two-Winged Flies)	39	<i>Delia platura</i> ; <i>Stomorphina lunata</i> ; <i>Culex univittatus</i> ; <i>Musca domestica</i> ; <i>Dilophus febrilis</i> ; <i>Ochlerotatus caspius</i> ; <i>Forcipomyia sp.</i> ; <i>Culex theileri</i> ; <i>Neomyia cornicina</i> ; <i>Sciaridae sp.</i>
 <b>Lepidoptera</b> (Butterflies & Moths)	17	<i>Agrotis segetum</i> ; <i>Autographa gamma</i> ; <i>Mythimna unipuncta</i> ; <i>Mythimna loreyi</i> ; <i>Agrotis catalaunensis</i> ; <i>Agrotis ipsilon</i> ; <i>Aedia leucomelas</i> ; <i>Spodoptera exigua</i> ; <i>Hellula undalis</i> ; <i>Pyrausta aurata</i>
 <b>Coleoptera</b> (Beetles)	11	<i>Trachymela sp.</i> ; <i>Oenopia conglobata</i> ; <i>Meligethes planiusculus</i> ; <i>Olibrus bicolor</i> ; <i>Olibrus liquidus</i> ; <i>Aphthona euphorbiae</i> ; <i>Labidostomis lusitanica</i> ; <i>Adalia decempunctata</i> ; <i>Hypera postica</i> ; <i>Sitona lineatus</i>
 <b>Orthoptera</b> (Crickets & Grasshoppers)	8	<i>Chorthippus vagans</i> ; <i>Phaneroptera sp.</i> ; <i>Anacridium aegyptium</i> ; <i>Calliptamus barbarus</i> ; <i>Chorthippus albonemus</i> ; <i>Chorthippus nemus</i> ; <i>Oedipoda caerulescens</i> ; <i>Prumna arctica</i>
 <b>Hemiptera</b> (Hemipterans, True Bugs)	7	<i>Orius laevigatus</i> ; <i>Blastopsylla occidentalis</i> ; <i>Toya terryi</i> ; <i>Nysius cymoides/Nysius senecionis</i> ; <i>Nysius graminicola</i> ; <i>Taylorilygus apicalis</i> ; <i>Nezara viridula</i>
 <b>Hymenoptera</b> (Ants, Bees and Wasps)	5	<i>Apis mellifera</i> ; <i>Linepithema humile</i> ; <i>Vespula germanica</i> ; <i>Tapinoma ibericum</i> ; <i>Vespula vulgaris</i>
 <b>Mantodea</b> (Mantis)	1	<i>Mantis religiosa</i>
 <b>Odonata</b> (Damselflies, Dragonflies)	1	<i>Sympetrum fonscolombii</i>