

ANNEX B

Understanding Singapore's Mosquito Landscape: Why Different Species Matter

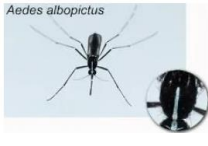
1. Singapore is home to over 180 mosquito species, but only a handful transmit diseases. Understanding the differences between these species helps residents better protect themselves and appreciate targeted vector control programmes like Project *Wolbachia*.

Project *Wolbachia* targets only the *Aedes aegypti* mosquito - Singapore's primary dengue vector

2. The *Aedes aegypti* is the primary vector for dengue and Zika in Singapore, making it the priority target for Project *Wolbachia*. Residents at Project *Wolbachia* release sites may still encounter bites from other mosquito species not targeted by the programme. Source reduction remains key in the fight against dengue, Zika and other mosquito-borne diseases.

Common mosquito species and their characteristics

3. The most common mosquito genera in Singapore are *Aedes*, *Culex*, and *Anopheles*. While these mosquitoes can carry various diseases, only some of these diseases are actually found in Singapore.

Mosquito Species	Appearance	When They Bite	Where They Breed	Diseases They Transmit
<i>Aedes aegypti</i> 	Black & white stripes; two white bands on back (lyre shape)	Day (also night in lit areas)	Flower pots, gutters, water containers	Dengue (main vector), Zika, Chikungunya
<i>Aedes albopictus</i> 	Black & white stripes; one white band on back	Day (also night in lit areas)	Same as above + tree holes, leaf litter in green areas	Dengue (less efficient), Chikungunya
<i>Culex quinquefasciatus</i> 	Golden-brown with dark proboscis	Night	Blocked drains	Japanese encephalitis*, Filariasis*

Anopheles epiroticus & Anopheles sinensis 	Light brown with pale/dark scales on legs & wings	Night	Sunlit brackish pools with algae	Malaria*
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**Not endemic in Singapore*

4. Only female mosquitoes bite to obtain blood for egg production. Males of all species, including the *Wolbachia*-*Aedes* mosquitoes released under Project *Wolbachia*, feed on plant nectar and do not bite humans.

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