

Data-driven identification of potential Zika virus vectors

Supplement II. Tables of Vector and Virus Traits

Michelle V. Evans Tad A. Dallas Barbara A. Han
Courtney C. Murdock John M. Drake

Table 1: Table of Mosquito Traits Used in Model

Trait	Type	Subcategories
Anthropophily	binary	NA
Subgenus	factor	NA
Host breadth	numeric	NA
Host range	binary (x4)	Primate, Non-Primate Mammal, Bird, Cold-Blooded Vertebrate
Geographic range	numeric	NA
Geographic area	binary (x8)	Africa, Middle East, Australia, Pacific, Asia, Europe, North America, South America
Biting time	binary (x4)	Dawn, Day, Dusk, Night
Artificial container breeder	binary	NA
Oviposition site	binary (x8)	Treehole, Natural Container, Permanent Fresh Water, Rockhole, Marsh, Swamp, Temporary Ground Pools, Rice Paddy
Habitat discrimination	numeric	NA
Salinity tolerance	binary	NA
Habitat permanence	binary	NA
Urban preference	binary	NA
Endophily	binary	NA
No. of flaviviruses vectored	numeric	NA

Table 2: Table of Virus Traits Used in Model

Trait	Type	Subcategories
Group	factor	Japanese Encephalitis, Ntaya, Yellow Fever, Aroa, Dengue, Kokobera, Spondweni
Geographic area	binary(x8)	NA Africa, Middle East, Australia, Pacific, Asia, Europe, North America, South America
Clade	factor	VI, VII, IX, X, XI, XII, XIV,
Year isolated	numeric	NA
Mutated envelope	binary	NA
Host breadth	numeric	NA
Host Range	binary(x6)	Human, Non-Human Primate, Rodent, Other Mammal, Bird, Marsupial
Mosquito vector breadth	numeric	NA
Vectored by other arthropods	binary	NA
Disease symptoms	binary (x2)	Encephalitis, Fever
Disease severity	numeric	NA
Genome length	numeric	NA