

<b>Mosquito Species or Taxonomic Group/Taxonomic ID</b>	<b>Identical Match?</b>	<b>Match Location</b>
<i>Aedes aegypti</i>	Yes	AAEL000242
<i>Aedes albopictus</i>	Yes	AALF022329
<i>Anopheles albimanus</i>	Yes	AALB006583
<i>Anopheles arabiensis</i>	Yes	AARA012058
<i>Anopheles christyi</i>	Yes	KB689759 (s)
<i>Anopheles culicifacies</i>	Yes	ACUA008770
<i>Anopheles darlingi</i>	Yes	scaffold_1546 (s)
<i>Anopheles dirus</i>	Yes	KB672491 (s)
<i>Anopheles epiroticus</i>	Yes	AEPI010172
<i>Anopheles farauti</i>	Yes	AFAF011906
<i>Anopheles freeborni</i>	Yes	SRS008481_104582
<i>Anopheles funestes</i>	Yes	AFUN000256
<i>Anopheles gambiae</i>	Yes	AGAP000254
<i>Anopheles maculatus</i>	Yes	AMAM001333
<i>Anopheles melas</i>	Yes	AMEC013303
<i>Anopheles merus</i>	Yes	AXCQ02011250 (s)
<i>Anopheles minimus</i>	Yes	AMIN005805, AMIN009888
<i>Anopheles punctulatus</i>	Yes	JXXA01008934.1 (s)
<i>Anopheles quadrimaculatus</i>	Yes	GBTE01015309.1
<i>Anopheles stephensi</i>	Yes	ASTE005450 ASTEI01122
<i>Culex quinquefasciatus</i>	Yes	supercont3.226 (s)
Amphibians/8292	No	N/A
Arthropoda/6656 (other than mosquitoes)	No	N/A
Birds/8782	No	N/A
Coleoptera/7041	No	N/A
Crustacea/6657	No	
Diptera/7147 (other than mosquitoes)	No	N/A
Fish/7898	No	N/A
Fungi/4751	No	N/A
Human/9606	No	N/A
Mammals/40674	No	N/A
Plants/3193	No	N/A
Reptiles/8504	No	N/A

**S1 Table. Evaluation of Sh.463 Target Site Conservation.**