**Supplemental File 2.**

***MJ1* sequences from the hyrcanus group of *Anopheles* mosquitoes**

**Naming convention: The first letter “A” refers to genus *Anopheles* and the 2nd and 3rd letters are the first two letters of the species name. For example, *Anopheles sinensis MJ1* is Asi\_MJ1. Full species names are shown in Table 1.**

**Multiple *MJ1* clones were sequenced from each *Anopheles* species. We use “CloneX” to distinguish different clones. As shown in Supplemental file 1, distinct genomic copies were determined from *Ae. aegypti* because a genome assembly is available. However, different “clones” within each *Anopheles* species may be amplified from the same *MJ1* copy. Thus, the clone number designation simply refers to sequenced clones, not necessarily different genomic copies.**

>Asi\_MJ1\_Clone1

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