Three data sets are contained in this Enlighten entry:

1. The “Ae aegypti 2020-07-29 UP000008820\_No Ub.fasta” file contains a bespoke *Aedes aegypti* mosquito reference proteome downloaded from UniProt (<https://www.uniprot.org/>) accessed last 29 June 2020. The file contains an edited mosquito proteome, removing all multiple instances of the ubiquitin sequence to prevent ambiguous assignments of ubiquitin-derived spectra. This reference proteome was used in the proteomic analysis of *Ae. aegypti* cells under label-free quantitative conditions.
2. The “iBAQ analysis.xlsx” file is a spreadsheet of the analysis done on the proteomics data based on iBAQ normalization. The “metadata tab” contains the description and overall design of the analysis.
3. The “SAINTq analysis.xlsx” file is a spreadsheet of the SAINTq analysis done on the proteomics data. The data is separated into tabs specific for each Ae. aegypti cell line that was subjected to proteomics analysis with the corresponding trimmed and raw analysis.

For any questions, email addresses of corresponding authors are provided in the manuscript.

The authors.