Source data for figures in ‘Improved transient silencing of gene expression in the mosquito female *Aedes aegypti.*’

**Tab 1: Figure 1A**

Female *Aedes aegypti* mosquitoes were injected with Cellfectin, Dharmafect2 or no transfection reagent and survival monitored for 3 days post injection.

**Tab 2: Figure 1B**

*p400* transcript expression after injection of p400 or LacZ targeting dsRNA with either Cellfectin, Dharmafect2 or no transfection reagent in female *Aedes aegypti* mosquitoes measured by RT-qPCR.

3 repeats.

**Tab 3: Figure 2A**

*p400* transcript expression after injection of various concentrations of p400 or LacZ targeting dsRNA with Cellfectin in female *Aedes aegypti* mosquitoes measured by RT-qPCR. A short version of p400 dsRNA was used in this experiment.

3 repeats.

**Tab 4: Figure 2B**

*p400* transcript expression after injection of various concentrations of p400 or LacZ targeting dsRNA with Cellfectin in female *Aedes aegypti* mosquitoes measured by RT-qPCR. A longer version of p400 dsRNA was used in this experiment.

3 repeats.

**Tab 5: Figure 3A and Figure 4**

*ago-2* transcript expression after injection of various concentrations of ago-2 or LacZ targeting dsRNA with Cellfectin in female *Aedes aegypti* mosquitoes measured by RT-qPCR.

3 repeats.

**Tab 6: Figure 3B**

*E75* transcript expression after injection of various concentrations of E75 or LacZ targeting dsRNA with Cellfectin in female *Aedes aegypti* mosquitoes measured by RT-qPCR.

3 repeats.

**Tab 7: Figure 3C**

*E75* transcript expression after injection of various concentrations of E75 or LacZ targeting dsRNA with Cellfectin in female *Aedes aegypti* mosquitoes measured by RT-qPCR.

3 repeats.

**Tab 8: Figure 5A**

*ago-2* transcript expression after transfection of ago-2 or LacZ targeting siRNA with Dharmafect2 in Aag2 cells measured by RT-qPCR.

4 repeats.

**Tab 9: Figure 5B**

*ago-2* transcript expression after injection of various concentrations of ago-2 or LacZ targeting dsRNA or siRNA with Cellfectin in female *Aedes aegypti* mosquitoes measured by RT-qPCR.

3 repeats.

**Tab 10: Figure S1A**

Female *Aedes aegypti* mosquitoes were injected with LacZ targeting siRNAs purified by different methods and PBS as a control and survival monitored for 3 days post injection.

**Tab 11: Figure S1B**

Female *Aedes aegypti* mosquitoes were injected with water or PBS and survival monitored for 3 days post injection.