

# AutomiG, a Biosensor to Detect Alterations in miRNA Biogenesis and in Small RNA Silencing Guided by Perfect Target Complementarity

## Supplemental Information

### Table S1.

Abundances of miRNA sequencing reads in small RNA libraries from automiG S2R+ cells and from *ubi*-automiG transgenic adult flies. miG-1 and miG-2 are orange shaded. mir-5 and mir-6.1 are light-blue shaded. Note that the mir-5/mir-6 cluster is mostly expressed during embryogenesis and that only very few reads matching these miRNAs are recovered from the S2R+ and adult flies libraries.

doi:10.1371/journal.pone.0074296.s001

(XLS)

### Table S2.

List of selected compounds. The compounds were clustered in 22 structural families (A to V) using the Tanimoto coefficient and the K-modes procedure. Compounds selected for further validation are enlightened in orange. Shaded compounds were discarded as false positives after microscopy analysis because they emit diffuse fluorescence in the culture medium and/or form large fluorescent crystals.

doi:10.1371/journal.pone.0074296.s002

(XLS)