

TableS4. Viability of miRNA KO lines.

| Measurements in wild type males | Relative fitness of miRNA knock out males vs. wild type males | | | | | | |
|------------------------------------|---|----------------|----------------|----------------|----------------|----------------|----------------|
| | Wild type (Control) | <i>mir-973</i> | <i>mir-975</i> | <i>mir-977</i> | <i>mir-978</i> | <i>mir-983</i> | <i>mir-984</i> |
| Male viability | | | | | | | |
| 1.07±0.04 | 1 | 1.04 | 1.07 | 1.10 | 1.29* | 1.21* | 1.20* |
| Female viability | | | | | | | |
| 1.12±0.06 | 1 | 1.00 | 1.02 | 0.98 | 0.95 | 0.94 | 0.91 |

Note: Male viability data is also presented in Table 1, relative fitness estimates are presented in materials and methods. (*) $P<0.05$.