

Table S1 Comparison of transgenesis efficiency using two promoters controlling *piggyBac* transposase expression. The data summarize many transgenesis experiments in which *piggyBac* constructs were micro-injected into *A. gambiae* embryos together with helper plasmid expressing transposase under control of either the *Drosophila hsp70* or the *A. gambiae vasa (Vas2)* promoter. Using the *Vas2* promoter, 3.4 x more transiently expressing survivor larvae gave transgenic progeny and 15 x more transgenic larvae could be recovered.

Transposase promoter in helper plasmid	<i>hsp70</i>	<i>Vas2</i>
Number of injected eggs	1421	950
Surviving larvae (%)	155 (10.9%)	137 (14.4%)
Transiently expressing larvae (%)	71 (45.8%)	79 (57.6%)
% transiently expressing larvae that gave rise to transgenics	5.6%	18.9%
Average number of transgenics per transient	1.75	27.1