

Table S1 Local chromosomal features of mapped transgenic insertions.

| Insertion (Balancer) | Chromatin State ¹ | | | Position Relative to Nearest Gene | RNA-seq Coverage of Developmental Stages ² for Nearest Gene |
|-------------------------|--|--|----|---|--|
| | Kc | BG3 | S2 | | |
| J04 (Cy0) | Active euchromatin, usu. broadly expressed | Active promoter/ transcription start | | 20 nt into first exon of <i>CG10641</i> | <i>CG10641</i> is expressed throughout development |
| J08 (Cy0) | Active euchromatin, usu. broadly expressed | Active transcribed intron (enhancer) | | First intron of <i>spi</i> | <i>spi</i> is expressed throughout development |
| FSX4 (FM7h) | Silent, but probably dynamic | Actively transcribed exon on male X | | Exon of C, intron of F and B transcripts of <i>RhoGAP</i> | <i>RhoGAP</i> is expressed throughout development |
| FSX5 (FM7h) | Silent, but probably dynamic | Actively transcribed exon on male X | | 400 nt downstream of <i>Sxl</i> | <i>Sxl</i> is expressed throughout development |
| FSX2 (FM7h) | Active euchromatin, usu. dev. regulated | Actively transcribed exon on male X | | First intron of <i>dlg1</i> | <i>dlg1</i> is expressed throughout development |
| FSIII18 (TM3) | Active euchromatin, usu. dev. regulated | Actively transcribed intron | | First intron of <i>ttk</i> | <i>ttk</i> is expressed throughout development |
| FSIII10 (TM3) | Active euchromatin, usu. dev. regulated | Active promoter/ transcription start region | | Second intron of <i>mub</i> | <i>mub</i> is expressed throughout development |
| FSIII11 (TM3) | Active euchromatin, usu. broadly expressed | Active promoter/ transcription start region | | 1 nt into first exon of <i>CG8043</i> | <i>CG8043</i> is expressed throughout development |

¹(FILION *et al.* 2010; KHARCHENKO *et al.* 2011)²(GRAVELEY *et al.* 2011)