

Table 2. Brief description of the characterized insertions

Gene-trap Line	Chromosome Location	Homozygote Viability	Expression Pattern
1	3rd	Yes	A.s.o.
<i>B4</i>	2nd	Yes	A.s.o., CNS, PNS
<i>Pabp2</i>	2nd	Yes	Ectoderm in late larval stages
4	X	Yes	Isolated cells in CNS and PNS
5	2nd	Yes	All brain
6	X	Yes	A.s.o.
7	3rd	Yes	All CNS
8	3rd	No	Ring gland, trachea, and muscle
9	2nd	No	Oenocytes and fat body
10	3rd	Yes	Ring gland, cephalopharyngeal skeleton, and a few nuclei in brain
<i>ldl4</i>	X	No	Cephalopharyngeal skeleton
12	2nd	No	Cephalopharyngeal skeleton, a.s.o.
13	3rd	No	CNS, oenocytes, PNS, and gut
14	3rd	Yes	Cephalopharyngeal skeleton
15	2nd	Yes	A.s.o., pos. part of brain, isolated cells in wing disc and trachea
16	2nd	Yes	General
17	3rd	No	All PNS, CNS, and adult eye
18	X	Yes	Parts of brain and trachea
<i>Singed</i>	X	Yes	General in embryo and larva
20	X	Yes	Midgut and cephalopharyngeal skeleton
<i>cpx</i>	3rd	Yes	Graded in adult eye
<i>vha16</i>	2nd	No	Isolated cells in PNS, CNS a.s.o., and antenna
23	3rd	Yes	Isolated cells in trachea
24	3rd	Yes	General in embryo and larvae
25	2nd	No	All epithelial cells
<i>cpo</i>	3rd	Yes	All CNS, PNS ring gland, and a.s.o.
27	3rd	Yes	General
28	3rd	Yes	Embryo: general. Larva: CNS and a.s.o.
<i>tramtrack</i>	3rd	No	Cuticle and isolated cells in CNS and gut
30	X	Yes	Hindgut and trachea
31	X	Yes	Isolated cells in CNS and gut

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32	3rd	Yes	Fat body
33	X	Yes	Cephalopharyngeal skeleton
34	2nd	Yes	Embryo: general. Larva: CNS, a.s.o.
35	3rd	No	Ring gland and a few nuclei near mouth hooks
36	3rd	Yes	All mesoderm
37	2nd	Yes	Oenocytes, antenna, isolated cells in brain, and a.s.o.
38	3rd	Yes	A.s.o. and antenna
39	3rd	Yes	All trachea and CNS
<i>Lobe</i>	2nd	No	Antenna, trachea, and a.s.o.
41	2nd	Yes	Embryo: anterior stripes, Larva: stripes in head region ectoderm
42	X	Yes	Isolated in CNS, a.s.o., and weak stripes in ectoderm
43	3rd	Yes	Embryo: all lateral ectoderm. Larva: fatbody
44	X	Yes	Ant. Ectoderm, wing disc, isolated cells in trachea
45	3rd	Yes	Antenna
46	2nd	Yes	Antenna, ectoderm, and a.s.o.
47	3rd	Yes	Cephalopharyngeal skeleton
48	3rd	Yes	Embryo: general. Larva: small part of foregut and anterior located cells.
49	3rd	No	Isolated cells in trachea and CNS
<i>Csk</i>	3rd	Yes	General
51	3rd	Yes	Mushroom body and isolated cells in CNS. Posterior spiracles
<i>Gpdh</i>	2nd	Yes	Gut, fat body, isolated cells in CNS
53	3rd	Yes	Cephalopharyngeal skeleton
54	3rd	Yes	Faint in antenna
55	3rd	Yes	Cephalopharyngeal skeleton
56	3rd	No	All CNS
<i>Vha68</i>	2nd	No	All gut
58	3rd	Yes	Faint in cephalopharyngeal skeleton
59	3rd	Yes	A.s.o.
<i>CG5392</i>	3rd	Yes	Few nuclei in CNS
61	3rd	Yes	A.s.o.
62	3rd	Yes	Ectoderm and antenna
<i>CG6157</i>	3rd	Yes	Oenocytes, isolated cells in CNS
64	3rd	Yes	Isolated cells in head region
65	3rd	No	Embryo: ectodermal stripes

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66	3rd	No	Embryo: dorsal ectodermal cells and oenocytes. Larva: oenocytes, gut, and subset of CNS
67	3rd	Yes	Embryo: ectodermal stripes, isolated cells in brain and gut
68	3rd	Yes	All PNS and isolated cells in brain
69	X	Yes	A.s.o., isolated cells CNS and PNS
70	3rd	No	Embryo: isolated cells throughout
71	X	Yes	Early larva: oenocytes and a.s.o.
72	3rd	Yes	A.s.o., PNS, and a few nuclei next to cephalopharyngeal skeleton
73	2nd	No	All CNS and isolated cells in head region
74	2nd	Yes	All CNS, PNS, and a.s.o. adult eye
75	3rd	Yes	Few nuclei either side of Cephalopharyngeal skeleton
76	X	Yes	General
MESK2	2nd	Yes	Gut, pos. segment epidermis, isolated in brain
M(2)21AB	2nd	No	Weak in fat body, strong in ring gland
79	3rd	Yes	A.s.o. cephalopharyngeal skeleton
80	3rd	No	Wing disc and isolated cells CNS
81	3rd	Yes	All mushroom body and adjacent
82	3rd	Yes	Mushroom body
83	2nd	No	CNS and PNS
CG2004	X	Yes	Large part of brain
85	3rd	No	Gut and wing disc
86	3rd	Yes	Trachea, a.s.o., and mesoderm
87	2nd	No	Mushroom body
88	X	No	CNS
89	3rd	Yes	Large part of brain
90	X	No	Cuticle
91	3rd	Yes	Faint in trachea
IP3KI	2nd	Yes	Riggland and isolated cells laterally in each body segment
93	2nd	Yes	A.s.o., CNS, and foregut
94	2nd	No	All gut, trachea and a.s.o.
elav	X	Yes	All CNS

Gene-trap Line	Chromosome Location	Homozygote Viability	Expression Pattern
96	X	Yes	Cuticle and epidermis
97	2nd	No	Antenna and epidermis in last segment
98	2nd	Yes	Embryo: general. Larva: Fatbody
99	3rd	No	Cells surrounding mouth hooks
100	3rd	No	CNS
101	X	Yes	A.s.o.
102	3rd	No	CNS, pos. spiracles, and antenna
103	2nd	Yes	A.s.o. and most of CNS
104	3rd	Yes	All brain, a.s.o., and PNS
105	3rd	Yes	Isolated cells in CNS and PNS
<i>odd-skipped</i>	2nd	Yes	Embryo: stripes. Larvae: isolated cells in CNS
107	X	Yes	Muscle
108	2nd	Yes	General
109	3rd	No	CNS, epidermis, and posterior spiracles
110	3rd	Yes	Brain and cephalopharyngeal skeleton