

SUPPLEMENTARY MATERIAL

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EXPERIMENTAL PROCEDURES

Unless stated otherwise the Flybase (Grumbling et al. 2006) entries of the mutations and transgenes referred in the text are as follows: $CD2y^+$: *Rnor*\CD2^{hs.PJ}. *hs.FLP*: *Scer*\FLP1^{hs.PS}. *act.fz::GFP*: *fz*^{P278L.Act5C.T:Avic\GFP-EGFP}. *tub.Gal80*: *Scer*\GAL80^{alphaTub84B.PL}. *tub.Gal4*: *Scer*\GAL4^{alphaTub84B.PL}. *ptc.Gal4*: *Scer*\Gal4^{ptc-559.1}. *UAS.GFP*: *Avic*\GFP^{Scer\UAS.T:Hsap\MYC.T:SV40\nls2}. *UAS.fz*: *fz*^{Scer\UAS.cZa} and *fz*^{Scer\UAS.cSa}. *UAS.ft*: *ft*^{Scer\UAS.cMa}. *UAS.ds*: *ds*^{Scer\UAS.cTa}. *UAS.fj*: *fj*^{Scer\UAS.cZa}. *UAS.Nrt::wg*: *Nrt::wg*^{Scer\UAS.T:Ivir\HA1}. *UAS.fz2DN*: *fz2*^{GPI.Scer\UAS.T:Hsap\MYC}. *UAS.Wnt2*: *Wnt2*^{Scer\UAS.cSa}. *UAS.Wnt4*: *Wnt4*^{Scer\UAS.cSa}. *UAS.Wnt6*: *Wnt6*^{Scer\UAS.cSa}. *UAS.Wnt8*: *wntD*^{Scer\UAS.cSa}. *UAS.Wnt10*: *Wnt10*^{Scer\UAS.cSa}. *stan*³ and *stan*^{E59}. *fz*⁻: *fz*¹⁵ or *fz*²¹. *Df(3L)fz2*. *fz2*⁻: *fz2*^{C1}. *ds*^{38K}. *ds*⁻: *ds*^{UA071}. *ft*¹². *ft*⁻: *ft*¹⁵. *fj*^{N7}. *fj*⁻: *fj*^{d1}. *ptc*⁻: *ptc*^{IIW}. *en*⁻: *Df(2)en*^E. FRT39: *P{FRT(w^{hs})}39*. FRT40: *P{neoFRT}40A*. FRT42: *P{neoFRT}42D*. FRT2A: *P{FRT(w^{hs})}2A*. FRT80: *P{neoFRT}80B*. The following are derivatives of *P{UAS-ds.T}* and *P{UAS-ft.M}* (Matakatsu and Blair, 2004), in which the amino acid sequence of the joins are *UAS.ectoDs*: ...**FLFIHMRSRKPR**prp. *UAS.ectoFt*: ...LGSYVIYRFRprprp. *UAS.ectoDs::endoFt*: ...**FLFIHMRSRKPR**GKQEKIGSL.... *UAS.ectoFt::endoDs*: ...LGSYVIYRFRPRNAVKPHLAT... (*ds* sequences in bold, *ft* sequences in italics, added sequences in lower case and transmembrane sequences underlined). *UAS.endoFt*: As in *P{UAS-wg.flu}* (Zecca et al., 1996), the *wg* signal peptide is followed by three copies of the HA1 epitope tag, joined to the Ft transmembrane and cytoplasmic domains. The amino acid sequence at the join is ...[YPYDVPDYA]sAAQVADPLSIGFTLVI... *UAS.endoDs*: ...[YPYDVPDYA]sAGGSSGGSIGDWAIGLL... (sequence in brackets corresponds to the last flu epitope; the beginning of the transmembrane domains of both proteins are underlined).

Clones were induced by heat-shocking third instar larvae for 1 hour at 34, 35 or 37°C. Abdominal cuticles were dissected, mounted in Hoyer's and images captured with Auto-Montage (Syncroscopy) and processed with Adobe Photoshop (Adobe Systems).

Experimental genotypes

- (1) **stan⁻ fz⁻ clones:** y w hs.FLP; FRT42 act.fz::GFP CD2y⁺ / FRT42 pwn stan^{E59} sha; fz⁻ ri FRT2A / fz⁻ CD2y⁺ ri FRT80
- (2) **tub.Gal4 UAS.stan UAS.fz clones in stan⁻:** y w hs.FLP; 42 stan³ tub.Gal80 CD2y⁺ / FRT42 pwn stan^{E59}; UAS.fmi UAS.fz / tub.Gal4
- (3) **tub.Gal4 UAS.fz clones in stan⁻:** y w hs.FLP; FRT42 tub.Gal80 stan³ CD2y⁺ / FRT42 pwn stan^{E59}; UAS.fz / tub.Gal4
- (4) **tub.Gal4 UAS.ft clones in stan⁻:** y w hs.FLP; FRT42 tub.Gal80 stan³ CD2y⁺ / FRT42 pwn stan^{E59}; UAS.ft / tub.Gal4 and
- (5) y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 tub.Gal80 stan³ CD2y⁺ / FRT42 pwn stan^{E59}; UAS.ft / +
- (6) **tub.Gal4 UAS.ft clones:** y w hs.FLP / w; FRT42 tub.Gal80 CD2y⁺ / FRT42 pwn; UAS.ft / tub.Gal4 and
- (7) y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 pwn / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.ft / + and
- (8) y w hs.FLP; FRT42 pwn / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.ft / tub.Gal4
- (9) **ft⁻ clones in stan⁻:** y w hs.FLP; ft⁻ stc FRT39 stan^{E59} / CD2y⁺ FRT39 stan³
- (10) **tub.Gal4 UAS.ds clones:** y w hs.FLP / w; FRT42 tub.Gal80 CD2y⁺ / FRT42 pwn; UAS.ds / tub.Gal4
- (11) **tub.Gal4 UAS.ectoDs clones:** y w hs.FLP; FRT42 tub.Gal80 CD2y⁺ / FRT42 pwn sha; UAS.ectodDs / tub.Gal4
- (12) **tub.Gal4 UAS.ectoDs clones in stan⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 pwn stan^{E59} sha / FRT42 tub.Gal80 stan³ CD2y⁺; UAS.ectoDs / +
- (13) **tub.Gal4 UAS.fj clones in stan⁻:** y w hs.FLP tub.Gal4 UAS.GFP; FRT42 tub.Gal80 stan³ CD2y⁺ / FRT42D pwn stan^{E59}; UAS.fj / +
- (14) **tub.Gal4 UAS.ft clones in fz⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 tub.Gal80 CD2y⁺; UAS.ft FRT42 pwn; fz⁻ ri FRT2A / fz⁻ CD2y⁺ ri FRT2A and
- (15) y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 tub.Gal80 CD2y⁺ / FRT42 pwn sha; fz⁻ CD2y⁺ UAS.ft / fz⁻ ri FRT2A
- (16) **ft⁻ clones in fz⁻:** y w hs.FLP; ft⁻ stc FRT39 / CD2y⁺ FRT39; fz⁻ / fz⁻ trc FRT2A
- (17) **tub.Gal4 UAS.ectoDs clones in fz⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 tub.Gal80 CD2y⁺ / FRT42 pwn sha; fz⁻ CD2y⁺ UAS.ectoDs / fz⁻ ri FRT2A
- (18) **tub.Gal4 UAS.ft clones in stan⁻ fz⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 pwn stan^{E59} sha / FRT42 tub.Gal80 stan³ CD2y⁺; fz⁻ CD2y⁺ UAS.ft ri FRT2A / fz⁻ CD2y⁺ ri FRT80

- (19) **tub.Gal4 UAS.ectoDs clones in stan⁻ fz⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; FRT42 pwn stan^{E59} sha / FRT42 tub.Gal80 stan³ CD2y⁺; fz⁻ CD2y⁺ UAS.ectoDs ri FRT2A / fz⁻ CD2y⁺ ri FRT80
- (20) **fz⁻ clones in ds⁻:** y w hs.FLP12; ds⁻ FRT39 / In(2LR)bw^{V1}; ds⁻ trc ri FRT2A / CD2y⁺ hs.GFP ri FRT2A
- (21) **tub.Gal4 UAS.fz clones in ds⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ FRT42 pwn / ds⁻ FRT42 Gal.80 CD2y⁺; UAS.fz CD2y⁺ / + and
- (22) y w hs.FLP122 tub.Gal4 UAS.GFP / y w hs.FLP122; ds⁻ ck FRT40 / ds⁻ tub.Gal80 FRT40; UAS.fz fz⁻ fz2^{C1} FRT2A / +
- (23) **tub.Gal4 UAS.stan clones in ds⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ FRT42 pwn / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.stan CD2y⁺ / +
- (24) **tub.Gal4 UAS.fz clones in ft⁻:** y w hs.FLP; ft⁻ FRT42 pwn sha / ft¹² FRT42 tub.Gal80 CD2y⁺; UAS.fz / tub.Gal4
- (25) **hh.Gal4 UAS.fz in ds⁻:** y w hs.FLP122; ds⁻ ck FRT40 / In(2LR)bw^{V1}, ds⁻; hh.Gal4 / UAS.fz fz⁻ fz2⁻ FRT2A
- (26) **2xfz⁺ clones in ds⁻ / ds⁻; fz⁺ / fz⁻:** y w hs.FLP; ds⁻; CD2y⁺ trc ri FRT2A / fz⁻ Df(3L)fz2 FRT2A
- (27) **fz⁻ tub.Gal4 UAS.ft clones:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; UAS.ft FRT42 pwn; tub.Gal80 FRT2A / fz⁻ trc ri
- (28) **tub.Gal4 UAS.fz clones in ds⁻ fz⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ FRT42 sha / ds⁻ FRT42 tub.Gal80 CD2y⁺; fz⁻ CD2y⁺ ri FRT2A UAS.fz / fz⁻ CD2y⁺ ri FRT80
- (29) **tub.Gal4 UAS.ectoDs in ds⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ tub.Gal80 FRT40 / ds ck FRT40; UAS.ectoDs / + and
- (30) y w FL122; ds⁻ CD2y⁺ FRT42 pwn sha / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.ectoDs / tub.Gal4
- (31) **tub.Gal4 UAS.ds in ds⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ tub.Gal80 FRT40 / ds ck FRT40; UAS.ds / + and
- (32) y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ FRT42 pwn / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.ds / +
- (33) **tub.Gal4 UAS.ft in ds⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ tub.Gal80 FRT40 / ds⁻ ck FRT40; UAS.ft / + and
- (34) y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ FRT42 pwn / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.ft / +
- (35) **tub.Gal4 UAS.ectoDs clones in ft⁻:** y w hs.FLP; ft⁻ FRT42 pwn sha / ft¹² FRT42 tub.Gal80 CD2y⁺; UAS.ft / tub.Gal4
- (36) **tub.Gal4 UAS.ft clones in ft⁻:** y w hs.FLP; ft⁻ FRT42 pwn sha / ft¹² FRT42 tub.Gal80 CD2y⁺; UAS.ft / tub.Gal4

- (37) **tub.Gal4 UAS.fz UAS.ft clones in ds⁻:** y w hs.FLP; ds⁻ CD2y⁺ FRT42 pwn sha / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.fz UAS.ft / tub.Gal4
- (38) **tub.Gal4 UAS.fz UAS.ds clones in ds⁻:** y w hs.FLP; ds⁻ CD2y⁺ FRT42 pwn sha / ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.fz UAS.ds / tub.Gal4
- (39) **tub.Gal4 UAS.ft UAS.fz clones in ft⁻:** y w hs.FLP; ft⁻ FRT42 pwn sha / ft¹² FRT42 tub.Gal80 CD2y⁺; CD2y⁺ UAS.ft UAS.fz / tub.Gal4
- (40) **tub.Gal4 UAS.ectoDs UAS.fz clones in ft⁻:** y w hs.FLP; ft⁻ FRT42 pwn sha / ft¹² FRT42 tub.Gal80 CD2y⁺; CD2y⁺ UAS.ectoDs UAS.fz / tub.Gal4
- (41) **stan⁻:** y w hs.FLP / +; stan³ / ds⁻ CD2y⁺ FRT42 pwn stan^{E59} sha
- (42) **ds⁻:** y w hs.FLP; ds⁻ tub.Gal80 FRT40 / ds⁻ CD2y⁺ FRT42 pwn stan^{E59} sha
- (43) **ds⁻ stan⁻:** y w hs.FLP tub.Gal4 UAS.GFP / y w hs.FLP; ds⁻ tub.Gal80 FRT40 / ds⁻ CD2y⁺ FRT42 pwn stan^{E59} sha
- (44) **ds⁻ ft⁻ clones:** y w hs.FLP / y; ds⁻ ft⁻ stc FRT39 / CD2y⁺ FRT39
- (45) **ds⁻ ft⁻ tub.Gal4 UAS.ds clones:** y w hs.FLP; ds⁻ ft⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ds / tub.Gal4
- (46) **ds⁻ ft⁻ tub.Gal4 UAS.ft clones:** y w hs.FLP; ds⁻ ft⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ft / tub.Gal4
- (47) **ds⁻ tub.Gal4 UAS.ectoDs clones:** y w hs.FLP; ds⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ectoDs / tub.Gal4
- (48) **ft⁻ tub.Gal4 UAS.ectoDs clones:** y w hs.FLP; ft⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ectoDs / tub.Gal4
- (49) **ds⁻ ft⁻ tub.Gal4 UAS.ectoDs clones:** y w hs.FLP; ds⁻ ft⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ectoDs / tub.Gal4
- (50) **tub.Gal4 UAS.ectoFt clones:** y w hs.FLP; FRT42 pwn sha / FRT42 tub.Gal80 CD2y⁺; UAS.ectoFt / tub.Gal4
- (51) **ft⁻ tub.Gal4 UAS.ft clones:** y w hs.FLP; ft⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ft / tub.Gal4
- (52) **ft⁻ tub.Gal4 UAS.ectoFt clones:** y w hs.FLP; ft⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ectoFt / tub.Gal4
- (53) **ds⁻ ft⁻ tub.Gal4 UAS.ectoFt clones:** y w hs.FLP; ds⁻ ft⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ectoFt / tub.Gal4
- (54) **tub.Gal4 UAS.ectoDs::endoFt clones:** y w hs.FLP; FRT42 pwn sha / FRT42 tub.Gal80 CD2y⁺; UAS.ectoDs::endoFt / tub.Gal4
- (55) **ds⁻ tub.Gal4 UAS.ectoDs::endoFt clones:** y w hs.FLP; ds⁻ stc FRT39 / tub.Gal80 CD2y⁺ FRT39; UAS.ectoDs::endoFt / tub.Gal4
- (56) **ft⁻ tub.Gal4 UAS.ectoDs::endoFt clones:** y w hs.FLP; ft⁻ stc FRT39 / tub.Gal80 CD2y⁺

FRT39; UAS. ectoDs::endoFt/ tub.Gal4

- (57) **ds⁻ ft⁻ tub.Gal4 UAS.ectoDs::endoFt clones:** y w hs.FLP; ds⁻ ft⁻ stc FRT39/ tub.Gal80 CD2y⁺ FRT39; UAS. ectoDs::endoFt/ tub.Gal4
- (58) **tub.Gal4 UAS.ectoFt::endoDs clones:** y w hs.FLP; FRT42 pwn sha/ FRT42 tub.Gal80 CD2y⁺; UAS.ectoFt::endoDs/ tub.Gal4
- (59) **ds⁻ tub.Gal4 UAS.ectoFt::endoDs clones:** y w hs.FLP; ds⁻ stc FRT39/ tub.Gal80 CD2y⁺ FRT39; UAS.ectoFt::endoDs/ tub.Gal4
- (60) **ft⁻ tub.Gal4 UAS. ectoFt::endoDs clones:** y w hs.FLP; ft⁻ stc FRT39/ tub.Gal80 CD2y⁺ FRT39; UAS.ectoFt::endoDs/ tub.Gal4
- (61) **ds⁻ ft⁻ tub.Gal4 UAS. ectoFt::endoDs clones:** y w hs.FLP; ds⁻ ft⁻ stc FRT39/ tub.Gal80 CD2y⁺ FRT39; UAS.ectoFt::endoDs/ tub.Gal4
- (62) **ptc.Gal4 UAS.endoDs:** y w hs.FLP; Sp/ fj⁻ ptc.Gal4; UAS.endoDs/ +
- (63) **ptc.Gal4 UAS.endoFt:** y w hs.FLP; Sp/ fj⁻ ptc.Gal4; UAS.endoFt/ +
- (64) **ds⁻ fj⁻:** ds⁻ fj⁻ / ds^{38K} fj^{N7}
- (65) **tub.Gal4 UAS.fj clones in ds⁻:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; ds⁻ tub.Gal80 FRT40/ ds⁻ ck FRT40 UAS.fj
- (66) **ft⁻ tub.Gal4 UAS.fj clones:** y w hs.FLP; ft⁻ stc FRT39/ tub.G80 CD2y⁺ FRT39; UAS.fj/ tub.Gal4
- (67) **ds⁻ ft⁻ tub.Gal4 UAS.fj clones:** y w hs.FLP; ds⁻ ft⁻ stc FRT39/ tub.G80 CD2y⁺ FRT39; UAS.fj/ tub.Gal4
- (68) **ds⁻ tub.Gal4 UAS.fj clones:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; tub.Gal80 FRT40/ ds⁻ ck FRT40 UAS.fj
- (69) **tub.Gal4 UAS.fj UAS.ds clones:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 tub.Gal80 CD2y⁺ / FRT42D pwn UAS.fj; UAS.ds/ +
- (70) **tub.Gal4 UAS.fj UAS.ectoDs clones:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 tub.Gal80 CD2y⁺ / FRT42D pwn UAS.fj; UAS.ectoDs / +
- (71) **tub.Gal4 UAS.ft UAS.ds clones:** y w hs.FLP122 tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 tub.Gal80/ FRT42 pwn; UAS.ft/ UAS.ds
- (72) **tub.Gal4 UAS.ft UAS.ectoDs clones:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 tub.Gal80/ FRT42D pwn sha; UAS.ft/ UAS.ectoDs
- (73) **tub.Gal4 UAS.ft clones in fj⁻:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 pwn fj⁻ / FRT42 tub.Gal80 fj⁻; UAS.ft/ +
- (74) **tub.Gal4 UAS.ectoDs clones in fj⁻:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 pwn fj⁻ / FRT42 tub.Gal80 fj⁻; UAS.ectoDs/ +
- (75) **tub.Gal4 UAS.ds clones in fj⁻:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 pwn fj⁻ / FRT42 tub.Gal80 fj⁻; UAS.ds/ +

- (76) **ptc⁻ en⁻ clones in stan⁻:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; ds⁻ CD2y⁺ FRT42 pwn ptc⁻ stan^{E59} en⁻ / ds⁻ FRT42 tub.Gal80 stan³ CD2y⁺
- (77) **ptc⁻ en⁻ clones in fz⁻:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; FRT42 pwn cn ptc⁻ en⁻ / FRT42 tub.Gal80; fz⁻ CD2y⁺ ri FRT2A/ fz⁻ ri FRT2A
- (78) **ptc⁻ en⁻ clones in ds⁻:** y w hs.FLP/ w; ds⁻ FRT42 CD2y⁺/ ds⁻ FRT42 pwn ptc⁻ en⁻
- (79) **ptc⁻ en⁻ clones in ds⁻ stan⁻:** y w hs.FLP tub.Gal4 UAS.GFP/ y w hs.FLP; ds⁻ CD2y⁺ FRT42 pwn ptc⁻ stan^{E59} en⁻ / ds⁻ FRT42 tub.Gal80 stan³ CD2y⁺
- (80) **tub.Gal4 UAS.wg clones in ds⁻:** y w hs.FLP; ds⁻ ck FRT40/ ds⁻ tub.Gal80 FRT40; UAS.wg/ + and
- (81) y w hs.FLP; ds⁻ FRT42 pwn sha/ ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.wg/ tub.Gal4
- (82) **tub.Gal4 UAS.Nrt::wg clones in ds⁻:** y w hs.FLP; ds⁻ ck FRT40/ ds⁻ tub.Gal80 FRT40; UAS.Nrt::wg/ +
- (83) **tub.Gal4 UAS.fz2DN clones in ds⁻:** y w hs.FLP; ds⁻ ck FRT40/ ds⁻ tub.Gal80 FRT40; UAS.fz2DN/ +
- (84) **tub.Gal4 UAS.Wnt2 clones in ds⁻:** y w hs.FLP; ds⁻ ck FRT40/ ds⁻ tub.Gal80 FRT40; UAS.Wnt2/ + and
- (85) y w hs.FLP; ds⁻ FRT42 pwn sha/ ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.Wnt2/ tub.Gal4
- (86) **tub.Gal4 UAS.Wnt3 clones in ds⁻:** y w hs.FLP; ds⁻ FRT42 pwn sha/ ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.Wnt3/ tub.Gal4
- (87) **tub.Gal4 UAS.Wnt4 clones in ds⁻:** y w hs.FLP; ds⁻ ck FRT40/ ds⁻ tub.Gal80 FRT40; UAS.Wnt4/ + and
- (88) y w hs.FLP; ds⁻ FRT42 pwn sha/ ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.Wnt4/ tub.Gal4
- (89) **tub.Gal4 UAS.Wnt6 clones in ds⁻:** y w hs.FLP; ds⁻ FRT42 pwn sha/ ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.Wnt6/ tub.Gal4
- (90) **tub.Gal4 UAS.Wnt8 clones in ds⁻:** y w hs.FLP; ds⁻ FRT42 pwn sha/ ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.Wnt8/ tub.Gal4
- (91) **tub.Gal4 UAS.Wnt10 clones in ds⁻:** y w hs.FLP; ds⁻ FRT42 pwn sha/ ds⁻ FRT42 tub.Gal80 CD2y⁺; UAS.Wnt10/ tub.Gal4
- (92) **ptc⁻ en⁻ stan⁻ clones in ds⁻:** y w hs.FLP; ds⁻ FRT42 pwn ptc⁻ en⁻ stan^{E59} / ds⁻ FRT42 tub.Gal80; tub.Gal4/ +

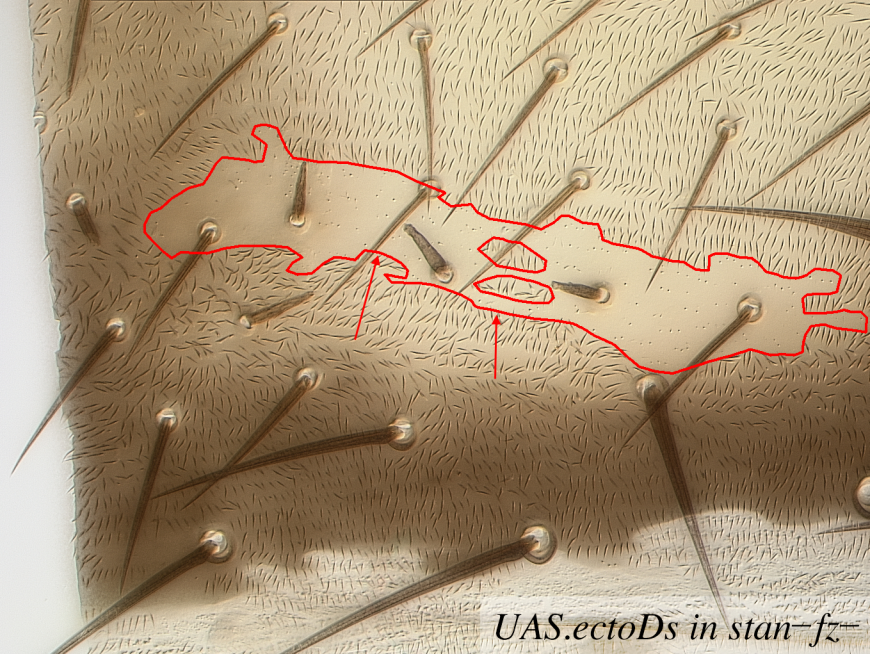
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UAS.ectoDs in *stan⁻ fz⁻*

Supplementary Figure 1

A clone expressing *UAS.ectoDs* in a *stan⁻ fz⁻* fly. Note the repolarisation behind the clone is comparable with the repolarisation illustrated in Fig 2F and 3C in the main text.

