

Figure S5 β spectrin overexpression in the larval fat body resulted in a loss of lipophorin accumulation at the midgut, comparable to that observed with lipophorin RNAi. Dissected preparations of larval midgut from wild type (A-C), β spectrin overexpresser in fat body (*Cg*-Gal4 driven UAS-*θ*-*Spec*⁹⁵; D-F), or lipophorin knockdown in the fat body (*Cg*-Gal4 driven UAS-lipophorin RNAi (P{TRiP.HMS00265}; G-I) were stained with lipophorin antibody. The lipophorin antibody staining pattern on the surface of the midgut in wild type (*Cg*-Gal4 parent line, A) was eliminated by either β spectrin overexpression (D) or knockdown of lipophorin (G). Anti- β_{H} spectrin was used as a positive staining control (B,E,H). Fat body did not exhibit β_{H} spectrin staining above background (arrowhead, E) but did stain strongly for lipophorin after β spectrin overexpression (arrowhead, D). Bar = 50 um.