

Fig. S2. The process of YSL endocytosis is not disrupted in Syntenin-a morphants. Views of embryos at 6.7 hpf incubated with Rhodamine-dextran showing the endocytic ring in control (left) and in 6 ng syntaMO-injected (right) embryos. To label endocytic vesicles, embryos at shield stage were placed in a 10 mg/ml solution of Rhodamine-labeled dextran (10.000 MW, Molecular probes). After 30 min of loading, embryos were washed and analysed immediately. Microscopic analyses were performed with a Leica Fluo Combi stereomicroscope connected to a Leica DC300 F camera.

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G D E P Y D D E D F Y S G S G S G Y P D I K V R P S S V G V
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V F T T E E P L P L S T T T Q A T G P A P S A S P A A E P S S
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E E E E I R P T R K E Q E P D T E K V Q E R E Q D R S K A T
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ctc ggc gcc aga gaa gaa aca gat gaa gat ctg tat att act aaa gaa act atc gtt tta gat cca tcc agc gag aca gat atg ata
L G G R E E E T D E D L Y I T K E I V L D P S S E T D M I
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T D E I T T T E F I P T T I P S T T A K P T R P R P I L T T
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P S P T A V R P R Q P Q T T P S R A A P T E S S T R S V M T
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Y Q K P D K Q E E F Y A *

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Fig. S3 cDNA and protein sequence of zebrafish syndecan-3. Regions corresponding to putative attachment sites for heparan sulfate chains and to predicted transmembrane and cytoplasmic domains are underlined.

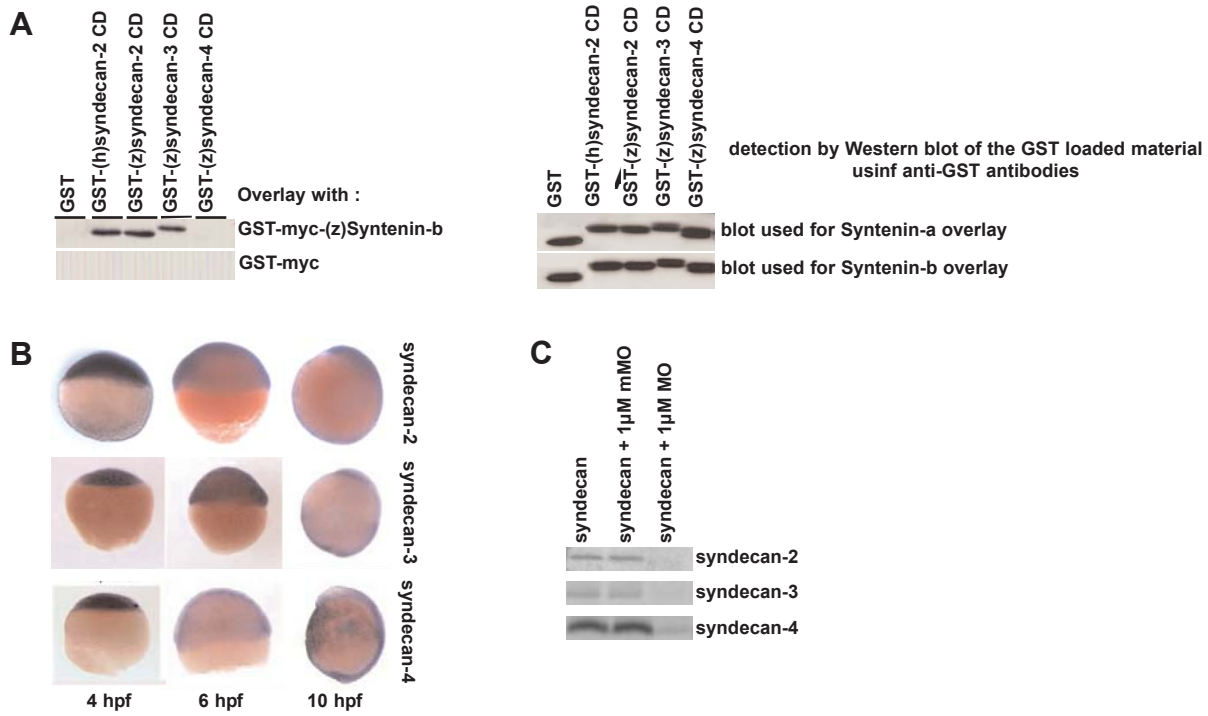


Fig. S4 (A) (Left) Ligand overlay illustrating the binding of GST-myc-Syntenin-b (upper panel) to various syndecan cytoplasmic domains and the absence of binding of GST-myc (lower panel). (Right) Control experiment by Western blot with anti-GST antibodies showing that similar amounts, of GST and GST-syndecan cytoplasmic domains were loaded for the overlays with GST-Syntenin-a (upper panel) or GST-Syntenin-b (lower panel). **(B)** WISH experiment showing the broad spatio-temporal expression of the different zebrafish syndecans at sphere (4 hpf), shield (6 hpf) and bud (10 hpf) stages. **(C)** In vitro transcription-translation experiment showing the activity of the MOs for the different syndecans and the ineffectiveness of their mismatch controls (mMO).