



**Fig. S6** Immunocytochemistry of coelomocytes from BrdU-treated *L. variegatus* (Lv), *S. purpuratus* (Sp) and *M. franciscanus* (Mf) developed with anti-BrdU and anti-Vasa antibodies: BrdU-incorporation (anti-BrdU conjugated to Alexa Fluor® 488), Vasa immunostaining (anti-Vasa was detected with a DyLight™647 conjugated secondary antibody) and DAPI shows all nuclei. Scale bar represents 100  $\mu$ m.