



**Figure S2** Analysis of early patterning using the axial mesoderm marker *no tail* (*ntl*). *Kcnh1* morphants showed no differences compared to controls (uninjected, *p53* morphants, *kcnh2* morphants) regarding the expression pattern of *ntl* positive cells along the marginal cell layer (5 hpf). Images are top views on the animal pole of representative embryos with the marginal cell layer in the focal plane.