

Supplementary Information for manuscript SREP-17-45106A

Application of interspecific Somatic Cell Nuclear Transfer (iSCNT) in sturgeons and an unexpectedly produced gynogenetic sterlet with homozygous quadruple haploid

Effrosyni Fatira^{1,*}, Miloš Havelka^{1,2}, Catherine Labbé³, Alexandra Depincé³, Viktoriia Iegorova¹, Martin Pšenička¹, Taiju Saito^{1,4}

¹Faculty of Fisheries and Protection of Waters, South Bohemian Research Center of Aquaculture and Biodiversity of Hydrocenoses, University of South Bohemia in Ceske Budejovice, Zátíší 728/II, 389 25 Vodňany, Czech Republic

²Faculty and Graduate School of Fisheries Sciences, Hokkaido University, 3-1-1 Minato, Hakodate, Hokkaido 041-8611, Japan.

³INRA, Fish Physiology and Genomics department, Campus de Beaulieu, F-35000 Rennes, France.

⁴Nishiura Station, South Ehime Fisheries Research Center, Ehime University, Uchidomari, Ainan, Ehime 798-4206, Japan.

Video S1. Frontal view of NT-fish. Swelled heart is beeping at 5 days post activation.

Video S2. Lateral view of NT-fish. Swelled heart is beeping at 5 days post activation.

Video S3. 27 days post activation. The NT-larva is being fed with *tubifex* sp.