

Histological and transcriptomic analysis of muscular atrophy associated with depleted flesh pigmentation in Atlantic salmon (*Salmo salar*) exposed to elevated seawater temperatures

Thu Thi Minh Vo^{a,b,d,*} thu.vo@research.usc.edu.au, Gianluca Amoroso^c gianluca.amoroso@utas.edu.au, Tomer Ventura^{a,b,*} tventura@usc.edu.au, and Abigail Elizur^{a,*} aelizur@usc.edu.au

^a Centre for Bioinnovation, ^b School of Science, Technology and Engineering, University of the Sunshine Coast, 4 Locked Bag, Maroochydore DC, Queensland 4558, Australia

^c Institute for Marine and Antarctic Studies, University of Tasmania, Private Bag 49, Hobart, Tasmania 7001, Australia

^d School of Biotechnology, International University, Vietnam National University, 700000 Ho Chi Minh City, Vietnam

* Corresponding authors: Prof Abigail Elizur (aelizur@usc.edu.au) and A/Prof Tomer Ventura (tventura@usc.edu.au), Thu Thi Minh Vo (thu.vo@research.usc.edu.au)

Supplementary File 7. The classification of flesh phenotypes based on SalmonFan™ score

Front dorsal region	Back central region	Flesh color phenotype
≥ 25	≥ 25	High color-no banding fish
≤ 23	> 25	High color-banded fish
≤ 23	≤ 23	Pale fish