

**Table S1.** Quantitative value of myosin heavy chain (MHC) and actin of myofibrillar proteins from the control adductor muscle of scallop (AMS) and 90-day frozen stored AMS with different treatments.

	MHC	Actin
Control	154 ± 0.5 <sup>f</sup>	148 ± 1.5 <sup>e</sup>
AF	166 ± 1.8 <sup>d</sup>	162 ± 1.2 <sup>c</sup>
IF	163 ± 0.5 <sup>e</sup>	155 ± 1.2 <sup>d</sup>
UIF-100	197 ± 0.4 <sup>a</sup>	186 ± 2.2 <sup>a</sup>
UIF-125	162 ± 0.9 <sup>e</sup>	148 ± 2.2 <sup>e</sup>
UIF-150	163 ± 0.9 <sup>e</sup>	145 ± 2.1 <sup>e</sup>
UIF-175	169 ± 0.7 <sup>c</sup>	157 ± 0.6 <sup>d</sup>
UIF-200	189 ± 0.3 <sup>b</sup>	177 ± 2.0 <sup>b</sup>

Data are expressed as mean ± standard deviation, mean values in a column with different letters (a–f) are significantly different.