

Table S1. Comparison of the identities of BCO2 homologs between *P. yessoensis* and other organisms.

Species	Full Protein (%)
<i>Patinopecten yessoensis</i>	100
<i>Homo sapiens</i>	39.49
<i>Mus musculus</i>	39.73
<i>Gallus gallus</i>	38.48
<i>Xenopus tropicalis</i>	39.58
<i>Danio rerio</i>	40.65
<i>Argopecten irradians</i>	73.64
<i>Pecten maximus</i>	78.58
<i>Scapharca broughtonii</i>	50.65
<i>Caenorhabditis elegans</i>	31.62