

**Table S2.** Expression stability analysis of four reference genes by NormFinder in three life cycle generations of *Neopyropia yezoensis*

Gametophyte			Sporophyte			Conchosporophyte		
Rank	Gene	Stability value	Rank	Gene	Stability value	Rank	Gene	Stability value
1	<i>eIF4A</i>	0.137	1	<i>eIF4A</i>	0.278	1	<i>eIF4A</i>	0.134
2	<i>EF1<math>\alpha</math></i>	0.208	2	<i>GAPDH</i>	0.348	2	<i>GAPDH</i>	0.300
3	<i>GAPDH</i>	0.544	3	<i>EF1<math>\alpha</math></i>	0.403	3	<i>EF1<math>\alpha</math></i>	0.326