

表2 不同冻存方法提取 DNA 结果

Table 2 The result of DNA extracting from sample preservation at different low temperature

样品名称 Sample name	保存方法 Preservation methods	提取物外观 Appearance	DNA 条带 DNA band	点样孔残留 Impurity remain	DNA 带拖尾 DNA drag along tail	RNA 残留 RNA remain
海带 <i>Laminaria japonica</i>	活体样品 Fresh sample	无色透明溶液 Colorless and transparent solution	+	-	-	+
	低温储存 4℃ Preservation at 4℃	无色透明溶液 Colorless and transparent solution	+	-	-	+
	低温储存 -20℃ Preservation at -20℃	无色透明溶液 Colorless and transparent solution	+	-	+	+
	低温储存 -80℃ Preservation at -80℃	无色透明溶液 Colorless and transparent solution	+	-	+	+
亨氏马尾藻 <i>Sargassum henlowianum</i>	活体样品 Fresh sample	无色透明溶液 Colorless and transparent solution	+	-	-	+
	低温储存 4℃ Preservation at 4℃	无色透明溶液 Colorless and transparent solution	+	+	-	+
	低温储存 -20℃ Preservation at -20℃	无色透明溶液 Colorless and transparent solution	+	-	-	-
	低温储存 -80℃ Preservation at -80℃	无色透明溶液 Colorless and transparent solution	+	-	-	-
龙须菜 <i>Gracilaria Lemaneiformis</i>	活体样品 Fresh sample	无色透明溶液 Colorless and transparent solution	+	+	-	-
	低温储存 4℃ Preservation at 4℃	无色透明溶液 Colorless and transparent solution	+	-	-	+
	低温储存 -20℃ Preservation at -20℃	无色透明溶液 Colorless and transparent solution	+	+	-	-
	低温储存 -80℃ Preservation at -80℃	无色透明溶液 Colorless and transparent solution	+	+	-	-
长心卡帕藻 <i>Kappaphycus alvarezii</i>	活体样品 Fresh sample	无色透明溶液 Colorless and transparent solution	+	-	-	-
	低温储存 4℃ Preservation at 4℃	无色透明溶液 Colorless and transparent solution	+	-	-	-
	低温储存 -20℃ Preservation at -20℃	无色透明溶液 Colorless and transparent solution	+	-	-	-
	低温储存 -80℃ Preservation at -80℃	无色透明溶液 Colorless and transparent solution	+	-	-	-

续表 2
Continuing table 2

样品名称 Sample name	保存方法 Preservation methods	提取物外观 Appearance	DNA 条带 DNA band	点样孔残留 Impurity remain	DNA 带拖尾 DNA drag	RNA 残留 RNA remain along tail
浒苔 <i>Enteromorpha</i> <i>prolifera</i>	活体样品 Fresh sample	无色透明溶液 Colorless and transparent solution	+	+	-	-
	低温储存 4℃ Preservation at 4℃	无色透明溶液 Colorless and transparent solution	+	+	-	+
	低温储存-20℃ Preservation at -20℃	无色透明溶液 Colorless and transparent solution	+	-	-	-
	低温储存-80℃ Preservation at -80℃	无色透明溶液 Colorless and transparent solution	+	-	-	-

注: +表示有; -表示无

Note: +: positive; -: negative