

## Cochineal Dye Concentration and Treatment Time for Otolith Marking of Japanese Smelt *Hypomesus nipponensis* Embryos

メタデータ	言語: English 出版者: Wiley, American Fisheries Society 公開日: 2022-09-28 キーワード: 作成者: 宮本, 幸太, ホシカワ, ヒロキ, ナグラ, ジュン, サワモト, ヨシヒロ, ☒orđević, Miloš, 太田, 健吾 メールアドレス: 所属: 水産研究・教育機構, 長野県水産試験場, 山梨県水産技術センター, 長野県水産試験場, ESL Teacher and Translator, 水産研究・教育機構 (退職)
URL	<a href="https://fra.repo.nii.ac.jp/records/91">https://fra.repo.nii.ac.jp/records/91</a>

Table 1. The best model on the probability of survival selected by the AIC, using cochineal concentrations, immersion intervals and their interaction as variables.

Model	AIC	Variable	$G^2$	df	coefficient	SE	$p$
Model 1	274.9	Concentration	690.79	1	-0.085	0.027	< <b>0.001</b>
		Immersion interval	470.1	1	-0.026	0.018	< <b>0.001</b>
		Concentration $\times$ Immersion interval	9.03	1	-0.001	0.097	< <b>0.01</b>
		Constant			6.677	10.35	

Table 2. The best model on the probability of mark quality selected by the AIC, using cochineal concentrations, immersion intervals and their interaction.

Model	AIC	$\Delta$ AIC	Variable	$G^2$	df	coefficient	SE	$P$
Model 1	299.7		Concentration	9.526	1	0.029	0.010	< <b>0.01</b>
			Immersion interval	43.766	1	0.052	0.009	< <b>0.001</b>
			Constant			-1.539	0.606	
Model 2	301.6	1.98	Concentration	9.526	1	0.027	0.015	< <b>0.01</b>
			Immersion interval	43.766	1	0.045	0.043	< <b>0.001</b>
			Concentration $\times$ Immersion interval	0.025	1	0.000	0.000	0.875
			Constant			-1.445	0.847	