

- Appendix Table 2-a. Regression statistics of various characters on fork length of the male.
- Appendix Table 2-b. Regression statistics of various characters on fork length of the female.
- B : regression coefficient
 A : intercept
 R : correlation coefficient
 SY.X : standard deviation from regression
 CV : coefficient of variation

Appendix Table 3. Mean vectors, and canonical variates of the samples

	sex	sample number	P.L.	S.P.	H.L.	S.O.	U.L.	S.D.	S.V.	S.L.	D.B.	A.B.
Mean vectors	♂	S1	12.925	13.704	13.924	10.294	5.899	16.869	15.660	5.632	22.594	6.940
		S2	12.552	14.045	14.510	10.258	5.865	16.359	16.211	5.594	20.727	6.289
		S3	12.276	13.475	14.434	9.975	5.639	15.934	15.719	5.200	20.461	6.103
		S4	12.095	13.475	14.359	9.869	5.527	15.997	15.599	5.092	20.508	5.935
		S5	12.458	14.052	14.742	10.158	5.731	16.122	16.418	5.399	20.461	6.041
	♀	S1	13.007	13.726	13.971	10.346	5.968	16.966	15.665	5.642	22.682	6.851
		S2	12.588	13.624	14.627	10.219	5.821	16.445	15.847	5.494	20.857	6.194
		S3	12.260	13.357	14.576	10.088	5.725	16.222	15.575	5.202	20.626	6.091
		S4	12.128	13.223	14.319	9.781	5.458	16.069	15.267	5.001	20.510	5.919
		S5	12.574	13.943	14.952	10.261	5.799	16.189	16.199	5.384	20.353	5.929
Canonical variates	♂	S1	-27.320	41.824	18.378	16.541	12.175	13.153	-12.620	17.728	-4.958	6.280
		S2	-23.879	42.647	17.923	16.175	11.774	13.145	-12.361	17.754	-4.988	6.280
		S3	-22.460	41.152	18.200	16.297	12.360	13.097	-12.521	17.556	-4.976	6.280
		S4	-22.118	40.602	18.284	16.933	11.913	13.258	-12.443	17.668	-4.864	6.280
		S5	-22.451	42.507	18.077	16.770	12.152	13.383	-12.662	17.548	-4.984	6.280
	♀	S1	-27.290	42.066	18.695	16.719	12.056	13.286	-12.416	17.548	-4.990	6.280
		S2	-23.376	42.137	18.728	16.097	11.805	13.216	-12.748	17.564	-4.954	6.280
		S3	-22.441	41.152	18.818	16.174	12.258	13.363	-12.488	17.808	-4.979	6.280
		S4	-21.973	40.019	18.568	16.931	11.799	13.059	-12.755	17.729	-5.052	6.280
		S5	-21.949	42.671	18.673	16.664	12.176	13.098	-12.534	17.698	-4.963	6.280

南海產赤鰭笛鯛形態測定學之研究

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摘要

本文為從東京灣，北巽他陸棚，暹邏灣口，西巽他陸棚以及東巽他陸棚所採集之五組赤鰭笛鯛標本計1076尾以形態測定值來比較各海區赤鰭笛鯛在形態上之異同，據以判定南海赤鰭笛鯛之族羣構造。此所採用於分析之非體節形質計有頭長，胸鰭長，上頰長，吻長，背鰭基底長，臀鰭基底長以及從吻端至胸鰭起點，背鰭起點，腹鰭起點及前鰓蓋骨硬緣之距離長等10個。首先，以每一非體節形質對尾叉長做迴歸判定；其次，以變積分析法比較各個非體節形質在雌雄間及各組標本間之差異；再以正準多變值分析法求各組標本在空間分佈上所佔的相關位置以判定差異的程度。

由結果得知在外部形態上東京灣者不同於其他四組標本；北巽他陸棚者又不同於暹邏灣口，西巽他陸棚以及東巽他陸棚等三組標本；暹邏灣口者似乎和西巽他陸棚者無顯著差異存在；東巽他陸棚者可能亦不同於其他四組。

因此，南海赤鰭笛鯛之族羣構造由外部形態之異同情形，大致上可推定為東京灣，北巽他陸棚，西巽他陸棚（包括暹邏灣口）以及東巽他陸棚等四羣。