## FISHING INDUSTRY RESEARCH TRUST ACCOUNT

1-1-1

PROJECT 84/27: Identification of deep-water trawl fish stocks using parasites as markers. University of Queensland and Department of Sea Fisheries, Tasmania

## FINAL REPORT, PART I. ORANGE ROUGHY

Orange roughy are a relatively sedentary species with little movement between fish management zones. This is the conclusion of our analysis of the numbers of parasites in the gut wall of 1251 orange roughy <u>Hoplostethus atlanticus</u> from eight areas off southern Australia and three areas off New Zealand (Fig. 1).

Fish from each area were divided into three length groups which averaged close to 28, 37 and 42 cm. Statistical analysis of data on larval nematodes (Anisakis spp., Terranova sp., and a spirurid) and larval cestodes (Hepatoxylon trichiuri and Callitetrarhynchus sp.) discriminated five Australian and three New Zealand stocks. These were: Great Australian Bight (area 1); South Australia/west Victoria/west and south Tasmania (areas 2,3,4 and 5); Cascade Plateau/Tasman Rise (area 6); north-east Tasmania (area 7); New South Wales (area 8); north-east New Zealand (9); south-east New Zealand (10); and west New Zealand (11) (Figs 2 and 3).

In four pairs of samples, little difference was found between the parasite fauna of fish taken during the spawning season and those taken outside the spawning season in the same area. Along the west coast of Tasmania there was a gradual increase in the numbers of larval ascaridoid nematodes as one moved south. This was apparent in both small (immature) and medium-sized (mature) fish. These results suggest that at least

medium-sized fish spawn in the same locality that they inhabited as juveniles.

1) Lester, R.J.G., K.B. Sewell, A. Barnes and K. Evans. Stock discrimination of orange roughy <u>Hoplostethus</u> atlanticus by

parasite analysis. Submitted to 'Marine Biology'.

Two manuscripts have been submitted for publication:

2) Sewell, K.B. and R.J.G. Lester. The numbers of selected parasites in Australian and New Zealand samples of orange roughy Hoplostethus atlanticus, 1983 to 1986. Submitted to 'Tasmanian Fisheries Research'.

Copies of the manuscripts have been lodged with FIRTA.

## FIGURE CAPTIONS

Figure 1. Origins of the eleven samples of orange roughy from Australia and New Zealand, and the 1000m depth contour.

Figure 2. Graphical representation of the similarities of the parasite faunas of large roughy from Australian samples. The first two canonical axes from a multivariate analysis are shown. Each sample is representated by a point surrounded by a circle indicating the 99% confidence limit. Note that the parasite faunas of areas 1 and 6 are distinct from other areas. When the third axis was taken into account, area 7 was separated from all other areas at the 95% level of confidence.

Figure 3. Similarity of parasite faunas from large fish in New Zealand.

140°E

30°

140°E

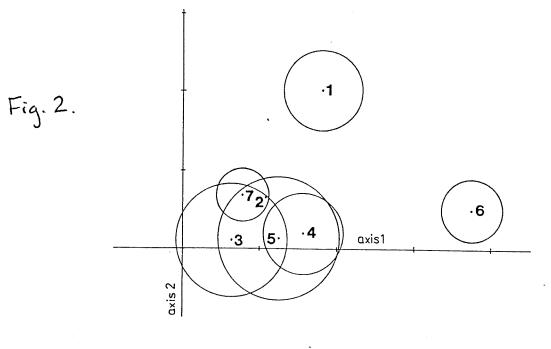
30°

140°E

140°E

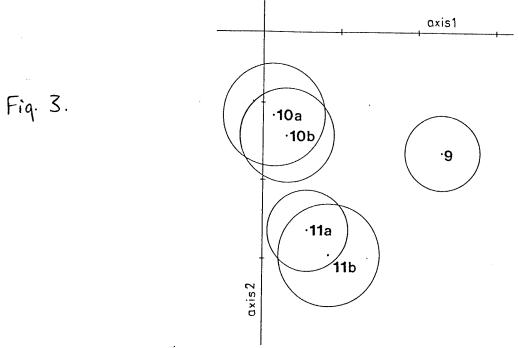
140°E

140°E



40°

@ ,180°



(Manuscript submitted to Tasmanian Fisheries Research, 1/88.)

The numbers of selected parasites in Australian and New Zealand samples of orange roughy <u>Hoplostethus atlanticus</u>, 1983 to 1986.

K.B Sewell and R.J.G Lester

Department of Parasitology, University of Queensland, St. Lucia,
Brisbane, Australia 4067.

Send proofs to Dr R.J.G. Lester

Department of Parasitology
University of Queensland
Brisbane
Queensland 4067

From 1983 to 1986, 40 samples of orange roughy from Australia and New Zealand were dissected and the numbers of selected parasite species recorded. Most of the data was used for the analysis in Lester, Sewell, Barnes and Evans (in press).

This paper contains the raw data. Australian fish are listed first (Tables 1 to 3) followed by New Zealand fish (Tables 4 to 6). The length of Australian fish was recorded as length to caudal fork (LCF). The length of New Zealand fish was recorded as standard length (SL) and converted to LCF by the formula, LCF = (SL x 1.10) + 0.195 (New Zealand Ministry of Agriculture and Fisheries, personal communication). For each country, data from small fish (20 to 34 cm LCF) are followed by those for medium sized fish (35 to 39 cm LCF) and for large fish (40 to 48 cm LCF). At the end of each table there is a group of fish separated by a blank line. These are the short and long fish removed from each size group to equalize the mean length prior to the analysis in Lester et. al. Asterisks indicate unknown data.

The 22 columns in Tables 1 to 6 refer to the following:

1	Autopsy number
2	Area (see Figure 1)
3	Area sample number
4	Capture date (day month year)
5	Fish length (LCF cms)
6	Sphaeromyxa sp. (1 = present, $\emptyset$ = absent)
7	Spirurid sp.
8	Hepatoxylon trichiuri
9	Degenerate H. trichiuri
10	Tentacularia sp.

11	Sphyriocephalus sp.
12	Callitetrarhynchus sp.
13	Anisakis type 1
14	Anisakis type 2
15	Anisakis type 3
16	Degenerate Anisakis
17	Terranova sp.
18	Echinorhynchus sp.
19	Ascarophis sp.
20	Glomericirrus amadai
21	Pseudopecoelus sp.
22	Scolex polymorphus

Tables 1 to 6 are followed by Table 7 which gives the locations for the 40 sampling sites and other details.

Representative specimens for the 14 parasite species have been lodged in the Queensland Museum. Their accession numbers are listed in Table 8.

## Reference

Lester, R.J.G., K.B. Sewell, A. Barnes and K. Evans. Stock discrimination of orange roughy <u>Hoplostethus atlanticus</u> by parasite analysis. Marine Biology (in press).

Table 1. Numbers of parasites in small  $\underline{H.atlanticus}$  (20 to 34 cm LCF) from Australia.

3	1.	1.	50683	29	(2)	*	Ø	<b>(</b> 2)	19	(2)	Ø	2	1.	(2)	(2)	(2)	Ø	1	(2)	Ø	Ø
4	1	1.	50683	30	(2)	*	(2)	Ø	13	(2)	(2)	5	(2)	(2)	Ø	(2)	Ø	2	1.	(2)	(2)
7	1	1	50683	21	(2)	Ø	Ø	Ø	Ø	Ø	(2)	(2)	Ø	Ø	<b>(Z)</b>	Ø	12	S	(2)	(2)	(2)
8	1	1	50683	32	(2)	*	Ø	(2)	2	(2)	(2)	2	Ø	Ø	(2)	(2)	3	2	2	Ø	(2)
1(2)	1	1.	50483	29	(2)	1.	(2)	(2)	Ø	(2)	(2)	5	1.	Ø	1	(2)	Ø	18	Ø	Ø	Ø
1.3	1	1.	50683	31	Ø	1	Ø	(2)	3	Ø	(2)	1	Ø	Ø	Ø	(2)	(2)	.3	(2)	(2)	Ø
14	1	1	50683	27	(2)	*	<b>(2)</b>	(2)	3	<b>(2)</b>	(2)	1	Ø	(2)	Ø	(2)	4	7	2	(2)	Ø
17	1	1	50683	27	Ø	30	(2)	(2)	*	(2)	(2)	1.	Ø	Ø	(2)	(2)	2	1.	2	(Z)	(2)
18	1	1	50/683	3Ø	(2)	*	Ø	Ø	并	Ø	Ø	2	Ø	Ø	Ø	(2)	10	1	Ø	(2)	Ø
19	1.	1.	50683	26	1	*	(2)	Ø	-}{∙	(2)	(2)	1.	1	Ø	(7)	12)	4	4	1.	(2)	(2)
470	1	2	91184	32	1.	50	Ø	(2)	1.	Ø	Ø	5	(2)	Ø	Ø	<b>(</b> 2)	(2)	16	.2	(2)	2
472	1.	3	101184	28	(2)	4.	(2)	(2)	*	(2)	Ø	(2)	Ø	(2)	(2)	Œ)	Ø	₩	茶	ж.	*
480	1.	.3	101184	27	1	5	(2)	(2)	*	(2)	Ø	22	(2)	Ø	Ø	(Z)	(1)	**	*	*	-} <b>+</b> -
481	1.		101184	25	(Z)	2	(2)	(2)	*	(2)	(2)	1.	1	(2)	(2)	(2)	7	*	*	×	.¥∙
484	1	3	101184	28	1.	2	(2)	(2)	1	(2)	(2)	(2)	(2)	(2)	Ø	(2)	5	<del>.X.</del>	*	·¥·	*
486	1.	3	101184	29	1.	1.	Ø	Ø	*	Ø	(Z)	1.00	1.	(2)	Ø	1	1.	*	₩	*	*
489	1	3	1Ø1184	26	Ø	(2)	Ø	(2)	*	(2)	Ø	(2)	Ø	Ø	1.	(2)	Ø	2	(2)	Ø	1
560	1	3	101184	23	(2)	3	(2)	Ø	₩	(2)	(2)	(2)	Ø	(2)	(2)	(2)	12	- <del>X</del> -	**	*	¥
561	1	3	101184	31	Ø	1 ②	Ø	(2)	*	(2)	(2)	6	(2)	1.	Ø	(2)	4	*	*	· <del>) X</del>	₩
564	1.	3	101184	23	1	12	(2)	Ø	*	(2)	(2)	2	1.	(2)	2	(Z)	1.1	*	*	**	·¥·
572	1.	3	101184	29	Ø	1 🗷	(2)	(2)	9	(2)	(2)	2	Ø	Ø	Ø	Ø	5	6	3	Ø	2
591	1	4	121184	33	(2)	3	<b>(2)</b>	Ø	**	(2)	Ø	11	Ø	Ø	3	(2)	Ø	*	**	**	*
656	1	4	121184	31	(2)	(2)	Ø	(2)	₩	<b>Ø</b>	(2)	2	(2)	Ø	Ø	(2)	1	**	-₩-	**	.¥.
657	1.	4	121184	33	(2)	1.5	(2)	(2)	*	Ø	Ø	1	Ø	(2)	Ø	(2)	Ø	*	*	*	·¥·
754	1	4	121184	26	1	5	Ø	(2)	*	(2)	(2)	1.	2	Ø	Ø	1.	<b>Ø</b>	· <b>X</b> -	*	₩.	*
755	1.	4.	121184	33	(Z)	200	Ø	Ø	₩.	(2)	Ø	1.5	2	Ø	6	5	(2)	**	*	₩	-⊁-
756	1.	4	121184	28	Ø	2	(2)	(2)	₩	(2)	(2)	1.	(2)	<b>Ø</b>	(2)	(2)	6	*	**	·¥·	*
760	1	4	121184	33	<b>(</b> 2)	350	(2)	(2)	*	(2)	<b>(2)</b>	3,3	8	(2)	1.	2	(2)	*	*	*	**
763	1	4	121184	32	(2)	250	(2)	(2)	-}{-	(2)	(2)	13	4	Ø	Ø	(2)	.3	.₩-	*	₩.	头
691	1	5	300485	34	(2)	30	(2)	Ø	*	Ø	Ø	10	(2)	Ø	2	1	1	*	*	-}ۥ	*
693	1	5	30485	30	Ø	4(2)	Ø	(2)	*	<b>Ø</b>	<b>Ø</b>	2	(2)	Ø	Ø	1.	4	*	*	*	-}{-
695	1	5	30685	30	Ø	15	(2)	<b>Ø</b>	*	(2)	(2)	4	(2)	(2)	Ø)	Ø	12	*	*	光	*
696	1	5	30/485	34	Ø	700	(2)	Ø	-}{-	(Z)	Ø	50	12	(Z)	4	2	3	*	¥.	*	**
698	1.	5	30685	33	(2)	350	<b>Ø</b>	(2)	*	Ø	Ø	14	1	(2)	3	(2)	(Z)	ᴥ	*	*	·¥·
699	1	5	30/685	28	Ø	30	(2)	(2)	-¥-	(Z)	(2)	1.	(2)	Ø	(2)	(2)	3	*	*	·¥·	**
703	1	5	300685	29	Ø	30	Ø	Ø	*	Ø)	Ø	5	2	(2)	Ø	(Z)	(2)	*	*	*	*
706	1	5	30685	31	(2)	20	Ø	(2) (2)	· <b>X</b>	( <u>/</u> )	(Z)	7	(Z)	(Z)	Ø	Ø	1	*		₩.	·¥·
707	1.	5	30/685	34	Ø	30	Ø	(Z)	*	Ø	Ø	7	1	Ø	2	(2)	(Z)	*	*	*	*
714	1	5	30/485	31	(2)	15	(2)	Ø	*	Ø	(Z)	1(2)	Ø	(Z)	Ø	(Z)	73 22 20	*	*	∰- (78	*
41	2	1	*	23	1	5	Ø	Ø	*	Ø	Ø	Ø	Ø	Ø	Ø)	(2)	Ø	2	Ø	Ø	(2)
43	2	1	*	26	. <del> </del>  -	2	(Z)	Ø	*	Ø	(2)	Ø	Ø	Ø	Ø	. (Z)	Ø	₩.	<b>*</b> ∙	∯ 	- <del>}</del> #-
45	2	1	*	27	1.	3	( <u>/</u> )	(2) (2)		(Z)	Ø	2	Ø	(Z)	(Z)	(Z)	Ø	1	1	Ø	(2)
46	2	1.	*	25	1	1 (2) (2)	Ø	Ø	Ø	(Z)	(Z)	1	Ø	(2)	(2)	Ø	Ø	8	(Z)	Ø	2
48	2	1	*	28	1	100	( <u>/</u> )	Ø	<b>≯</b>	(Z)	Ø	1.	2	Ø	1.	(2)	Ø)	Ø	(2)	Ø)	(2)
51	2	1	.¥.	23	1.	1 (2)	(Z)	(Z)	*	(Z)	(2)	3	1	Ø	(2)	(Z)	Ø	6	(Z) ca	2	(2)
53	2	j.	₩.	31	1.	10	(Z)	(Z)	*	Ø	Ø	5	. Ø	(Z)	(Z) C2s	(Z)	2	3	(2)	Ø	(Z)
54		1	*	30	1.	200	(Z)	(Z)	*	Ø	(2)	1	(Z)	(Z)	(2)	(2)	1	4	(2) (2)	Ø	Ø
56	2	1		28	1	. 20	(Z) (Z)	(2) (2)	. <del>*</del> ca	Ø	(2) (2)	2	( <u>/</u> )	Ø	(Z)	(Z)	Ø	2	Ø	2	1 (2)
1 2	2	2	83	29	1 (7)	*	(Z)	Ø)	(Z) (2)	(2) (2)	(Z) (Z)	6	(2) (2)	(Z)	(2)	(2) Ca	(Z)	5	2	Ø	(2) (2)
.z 65	2	2	83 83	27 31	(Z) (Z)	÷ Arcaco	1	(2) (2)	Ø	(Z) (Z)	Ø Ø	1 0	Ø	Ø)	Ø	Ø	Ø	(2) 1 (2)	1	Ø	(2) (2)
492	2	.2 3		26	(2)	200	(2) (2)	Ø)	₩.	Ø		8	2	1 (2)	3	1.	5	1 (2)	( <u>/</u> )	<u>.</u> 	(Z) .v.
	2	3	311084		1. (7)	8	(2) (2)	(Z) (Z)	*		(Z) (2)	1	Ø	(Z) (2)	(Z) (Z)	(Z) (Z)	(Z) (Z)	₩.	<b>₩</b>	*	ж.
493	.a:	٠>	311084	25	Ø	2	(2)	(2)	*	(2)	(Z)	1.	Ø	(2)	(2)	Ø	Ø	₩	-∺•	-}₹•	₩

494 311Ø84 32 (2) 20 (2)0 (2)2 3 Ø ₩. S (2) **(/)** (2) Ø (2) \* ж. \* ·\* 311084 495 2 3 34 (2) 5 Ø (2) ķ. (2) (2) 4. (2) (2) (2) (2) (2) У. × ¥. ж. 499 2 3 311084 28 (2) 24 (2) (2) ж. Ø (7) 2 Ø (2) 1 (2) (2).¥-W. ж, \* 2 501 3 311084 30 (2) 14 **(**2) (2) \* Ø (2) **(**2) **(**2) **(**2) Ø Ø Ø \* × ¥ \* 2 502 3 311084 23 1 . . . **(2)** (2) ₩. Ø (2) (2) Ø (2) Ø Ø (2) \* × \* × 503 2 3 311084 28 8 **(**2) Ø Ø (2)  $\bigcirc$ (2) Ø (2) 1 ₩ (2) Ø × ж. χ. × 2 3 24 505 311084 1 8 (2) (2) ₩ Ø (2) (2) (2) (2) (2) Ø 1 \* .;; .¥∙ × 3 506 2 311084 28 Ø 7 1 **(2)** (7) ¥. 17 (7)(2) Ø 1 (2) (2) 4 × ψ. ¥ 3 507 2 311084 29 1. C) (2) Ø ₩ Ø Ø 2 (2) Ø (2) (7) (7) Ŋ. 34 4 2 3 508 311084 33 1 10  $\emptyset$ (/) .1<u>4</u>. (7) 3 Ø (2) 1 **(**2) Ø ж. ж. ж. ж. .... 509 311084 27 (2) 4 (2) (Z) \*  $\varnothing$ (2) 1. 0 (2) Ø Ø (Z) ¥ ж. ٠¥٠ \* 2 3 311084 510 27 2 (2) (2) ж. **(**2) (2) 4. (2) 3 1 5 Ø ℀ ¥ к \* 512 2 3 311084 25 5 Ø Ø ж. Ø (2) 2 Ø 1.  $(\ddot{i})$ 1 (2) .14. \* у. ж. 2 513 3 311Ø84 30 3 2 1 10 Ø (2)₩ (2)Ø Ø (Z) (2) Ø ¥. Ŀ. ¥. \* 515 2 3 311084 25 3 (2) (2) Ж Ø (2) Ø Ø (2) **(**2) Ø (2)¥ ж. Ж. ж. 516 2 3 311084 30 1 26 (2) **(**2) × (7) (2) Ø (2) (2) 1 (2) 1 \* \* ¥. × 517 2 3 311084 27 (2)3 1 12 (7) ж. Ø (7) (Z) (2) 1 (7) (2) у. \* ₩. ж. 2 518 3 311084 26 23 (2) 3 (2) \* Ø (2) (2) **(2)** Ø Ø Ø ₩. ж. ķ. ж 2 520 3 311084 31 **(2)** 3 3 (2) 4 (7) 171 Ø (2) (2) (2) (Z) ж. × -34-₩. 522 2 .3 311084 32 (7) 25 (2) (2).14. Ø (Z)1.4 57 Ø Ø (2) ж. 1 ų. .¥. \* 524 2 3 311084 34 1 57 Ø (2) 1.3 (2)1 -}4-(2) 1 **(2)** Ø Ø ж. ж. \* × 2 3 526 311084 28 0 3 **(2)** (2) Ж (2)(2) 3 Ø (2) Ø ¥. ж. (2) 1 \* Ŋ. 2 3 528 311084 32 (2) 3 (2) (2) ж. Ø Ø 4 Ø Ø 0 (2) **(2)** .**)**(-₩. ₩. \* 529 3 311084 26 Ø **¾**. Ø Ø (2) Ø 1 15 (7) 1 (7) 1 (2) .¥. ₩. \* ж. 530 2 3 311084 27 Ø (2)**(2)** Ж. (2) (2) Ø (/) Ø (2) (2)(2) \* ж. ж. ж. 531 2 3 311084 25 1 (2) (2) 뇇. Ø **(**2) Ø (2) (2) Ø Ø Ø Ą. \* ж. ¥. 1 532 2 3 311084 27 2 Ø (2) Ø Ø \* (2) 0 Ø (2) Ø .¥. .14 1 17 \* 16 533 2 3 311084 33 4Ø (2) (7) (2)**(**2) Ø (2) Ø 1 ж. 11 (2) 1 × ¥. ж. ж. 534 2 3 311084 32 1 15 (2) (2) × Ø **Ø** 7 (2) (2) 1 Ø (2) ₩ \* × × 538 2 3 311084 32 (2) **(2)** (2)(2) ⋆ Ø Ø ... (2) 1 Ø (2) Ø × у. ¥. Ж. 540 2 3 311084 25 (7) 12 Ø (2) 1 Ø Ø Ø ſΆ (2) Ø (2) ж. .¥. Ψ. .).(. 1 2 541 3 311084 24 8 (Z)(2)\* (?)(2) 1 Ø (2) Ø Ø Ø × \* × Ж. 542 2 3 311084 30 20 (2) (2) ₩ Ø Ø Ø Ø **(**2) Ø ₩ Ж ₩. ₩. 6 1 543 2 3 25 17 Ø Ø 311084 1 (2) ж. (?)Ø, (2) (2) (2)Ø (2) ¥. × .¥. ᴥ 544 2 .3 311084 25 1. 2 (2)(2) \* Ø (2) Ø (2) (2) 1 Ø (2) \* ж. Ж Ж 545 2 3 311Ø84 30 **(2)** 1 10 (7) \* (2) (2) 4 (2) Ø Ø (2) Ø ж. \* ×. × 546 2 3 311084 3.2 (2) (7) ¥ (7) Ø 3 (7) Ø 8 Ø Ø (2) (2) 4 ₩. ж. .34. 2 547 3 311084 28 1 12 (2) (7) ₩. (2) (2) 3 (2) (2) (2) (2) (2) ж ж. ж. ж. 548 2 3 311084 30 Ø (2) (7) \* (7) (2) Ø (2) (/) (Z) Ø (2)¥ Ж Ж. 2 549 3 311084 24 7 Ø 0 Ø (2) (2) (2) 1 × (2) (2) Ø Ж. ₩. × 1 ц., 550 2 311084 27 25 (7) (2) (2) Ø (2) 3 (2) 牙 1. Ø (2) × . 4 ·}{~ \* 2 3 551 311084 26 1 15 (2) (2) × (2) (2) (2) Ø 0 Ø (Ž) (2) \* × \* \* 552 2 3 311084 29 **(2)** 3 Ø (7) \* (7)(2) Ø Ø Ø Ø Ø (2) .;4-× .\4. .¥∙ 553 2 3 311084 26 (2) (2) Ø ₩ Ø Ø Ø 5 (2)1 1 (2) (2) × ж. ٠¥٠ × 554 2 3 311084 24 1. (4) (2) Ø ·¥-(2) (7) 4 (2) 1 (2) 1. Ø .<u>)4</u>. .<del>){</del>ж. Ą, 555 2 2 3 3 2 3 311084 25 Ø 7 (2) Ø 11 (2) (7) **(**2) (2) **(**2) (?)Ø (2) 557 2 311084 28 \* Ø (2) \* (2) (2) ¥ ц. .),(. .¥. Ø ₩. (2) .14. .¥. **}**{-558 2 3 311084 25 (2)2 (2) (7) 2 Ø Ø 1 1 (7) Ø (2) Ø (i)(2)1 (2) 2 282 4 151284 31 1. (2)10 (2) (2)Ø 17 8 Ø (2) (2) (2) (7) \* \* ₩. \* 2 283 4 151284 32 1 5 (2) Ø (2) 0 Ø 8 (2)Ø Ø 1 (2)×. \* ₩. .¥. 286 2 4 151284 28 1 10 Ø (2) **(2)** Ø Ø 1. Ø Ø **(**2) 3 (2) (2) 0  $\Omega$ (7) 287 2 4. 151284 24 1 Ø (2)(2) 2 Ø ж. 17 10 10 (7) (7) Ø Ø ٧. 4. × 288 2 4 151284 31 **(**2) 5 (2) Ø 1 (2) Ø 5 (2) (2) 4 (2) 1 \* × × ж. 289 2 151284 31 1 20 (2) 17 (7) (7) 3 Ø (2) 1 Ø 1 ¥. ķ. 놖. ¥. 290 2 151284 31 (2) Ø 4. (2) 2 **(**2) (2) (2) (2)ж. 6 (2) (2)1. Ø .16-36 Ж. 2 151284 31 2 291 (2) (<u>A</u> Ø (2)Ø **(7) (2)** 1 (2) Ø (2) **(2)** Ø 8 (2) 1 297 2 4 151284 28 (2) (2)2 **(2)** 2 3 4 1/1 (2) 1 1 1 Ø ₩. ж. .}{. × 300 2 4 151284 23 1 V) (2) Ø (2) Ø Ø 1 (7) (2) Ø **(2)** 1 ж. ₩. .χ. ¥. 2 151284

1000

3Ø1

**(**/) (2) (2) 2

(7)

1.

1.

Ø

(2)

\*

Ж.

.;-

2

(2)

40 13

302	2	4	151284	27	1	15	(2)	(2)		Ø	Ø	Ø	Ø	(2)	(2)	Ø	Ø	*	ж.	*	*
303	2	4	151284	32	1	1.00	(2)	(2)	Ø	<b>(2)</b>	Ø	2	Ø	2	(2)	1	(2)	8	(2)	(2)	9
304	2	4	151284	32	1	Ø	Ø	Ø	Ø	Ø	Ø	2	Ø	(2)	(2)	12)	Ø	*	*	₩-	·¥·
305	2	4	151284	27	Ø	1Ø	Ø	Ø	1	Ø	(2)	1	(2)	(2)	Ø	Ø	1	-⊁-	*	 *⊱	-X+
306	2	4	151284	30	1	2	Ø	Ø	(2)	Ø	(2)	5	Ø	2.7 (2)	Ø	Ø	Ø	*	⊁	*	*
			151284	32													****			*	
310	2	4			(Z)	2	(2)	(2)	(Z)	Ø	(2)	3	Ø	1.	(2)	Ø	(2)	₩.	*		*
311	2	4	151284	29	(2)	2	(2)	(2)	Ø	(2)	Ø	5	(2)	(Z)	Ø	Ø	Ø	*	*	*	₩.
314	2	4	151284	31	1	3	(?)	(2)	(2)	(2)	(2)	3	Ø	(2)	Ø)	Ø	(2)	2	(2)	Ø	Ø
315	2	4	151284	23	1	Ø	Ø	Ø	1.	Ø	Ø	3	Ø	(2)	Ø	Ø	Ø	*	*	*	.₩.
321	2	4	151284	32	Ø	Ø	(Z)	(2)	(2)	(2)	(2)	8	Ø	2	(Z)	(2)	(2)	₩	**	*	*
322	2	4	151284	32	(2)	20	(2)	1	(2)	Ø	(2)	7	(2)	(2)	Ø	Ø	(2)	*	₩	*	· <del>X</del> ·
323	2	4.	151284	27	(2)	20	(2)	(2)	2	(2)	(2)	Ø	(2)	(Z)	(2)	(2)	(2)	*.	*	*	₩
324	2	4.	151284	27	<b>(</b> 2)	15	Ø	Ø	2	Ø	(2)	1.	Ø	(2)	Ø	<b>(</b> 2)	<b>Ø</b>	6	Ø	Ø	(2)
326	2	4.	151284	32	1	Ø	(Z)	Ø	(2)	Ø	(2)	5	Ø	Ø	Ø	Ø	(Z)	*	*	*	·¥·
330	2	4	151284	30	<b>2</b>	20	Ø	(2)	Ø	Ž)	(2)	3	(2)	(2)	3	Ø	Ø	-34-	*	*	×
92	3	1	121083	23	1	(2)	(Z)	Ø	**	(2)	Ø	 Ø	(2)	Ø	Ø	Ø	(2)	6	Ø	1	Ø
143	3	1	121083	24	1	5	(2)	Ø	*	(2)	(2)	1	2	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
1.44	3	1.	121083	30	1	10	Ø	(2)	*	(2)	(2)	8	(2)	(2)	(2)	<b>Ø</b>	*	₩-	*	-¥-	*
146	.3	1.	121083	24	1	5	Ø	Ø	*	(2)	(2)	1.	Ø	(2)	(2)	1	·¥·	-}≰•	**	**	**
149	3	1.	121083	27	1.	5	Ø	(2)	*	(2)	(2)	Ø	Ø	Ø	(Z)	Ø	*	*	-₩-	*	.j¥.
15Ø	.3	1.	121083	31	(2)	50	1	(2)	×	Ø	(2)	8	Ø	(2)	<b>(</b> 2)	Ø	-¥•	-₩-	*	-₩-	*
93	.3	2	131083	21	1	Ø	(2)	(Z)	₩-	Ø	Ø	1	1	(2)	1	<b>Ø</b>	(2)	5	<u>(2)</u>	<b>(</b> Z <b>)</b>	1
94	.3	2	131083	25	1	20	(2)	Ø	*	<b>(</b> 2)	(2)	2	Ø	(2)	(2)	(2)	Ø	1.6	1	(2)	2
98	3	2	131083	22	1	2	(2)	Ø	χ.	(2)	*	1	Ø	Ø	(2)	Ø	Ø	1 (7)	(2)	(2)	1.
100	3	2	131083	25	1	1	(Z)	Ø	*	(2)	(2)	- Ø	Ø	(2)	(2)	Ø	Ø	5	(2)	1	(2)
110	3	2	131083	32	(2)	50Ø	(2)	(Z)	*	(2)	Ø	16	Ø	2	2	1	₩.	.¥·	*	*	**
114	3	2	131083	34	(2)	15	(2)	Ø)	*	(Z)	(Z)	4		. <u></u> (2)	Ø	<i>(</i> 2)	. <del>X</del>	-34-	 -¥∙	·*	.; <sub>4</sub> .
							•						Ø								
117	35	2	131083	22	(2)	5	(2)	(2)	**	(2)	(2)	1.4	1	Ø	1	Ø	*	*	*	-¥∙	*
338	4	1	200684	32	(Z)	( <u>/</u> )	Ø	(2)	(2)	(Z)	Ø	5	(Z) 	Ø	(2)	1.	2	- 31∙	*	*	-₩-
343	4	1.	200684	24	Ø	2	(2)	(2)	11	(2)	Ø	1.	Ø	(2)	Ø	(2)	Ø	1.6	(2)	(2)	(2)
347	4	1	200684	32	1	Ø	Ø	Ø	(2)	(2)	(2)	2	2	1.	Ø	Ø	Ø	₩	₩	*	Ж.
353	4	1.	200684	34	1	.¥.	Ø	(2)	11	(2)	(2)	1.1	1.	1	Ø	(2)	(2)	12	(2)	1	Ø
364	4	1.	200684	33	(2)	.3	(2)	Ø	1.	Ø	(2)	11	(Z)	1	(2)	5	(2)	*	*	*	· <del>X·</del>
366	4.	1	200684	33	(Z)	2	(2)	(2)	3	(2)	(?)	1,Ø	4	(Z)	<b>(Z)</b>	(2)	Ø	11	1.	-1	(2)
368	4	1.	200684	30	(2)	3	Ø	(2)	(2)	(2)	(2)	5	1	Ø	1	(2)	Ø	*	*	.₩-	₩
372	4.	1.	200684	33	Ø	(2)	Ø	(2)	Ø	(Z)	Ø	3	2	(2)	Ø	<b>Ø</b>	(2)	ᴥ	-₩-	-%∙	₩
373	4	1	200684	32	1	10	(2)	Ø	(2)	Ø	(Z)	7	(2)	(2)	Ø	1	(Z)	-}{•	*	₩.	•¥•
374	4	1	200684	32	(2)	30	Ø)	(Z)	2	Ø	(2)	4	Ø	1	2	Ø	Ø	*	*	*	*
375	4	1	200684	34	(2)	40	(2)	<b>Ø</b>	*	(2)	(2)	6	1.	Ē	(Z)	1	Ø		*	 ¥÷	*
378	4	1	200684	34	(Z)	3	(Z)	Ø	₩.	Ø)	(2)	11	Ø	Ø	(Z)	(Z)	Ø	*	*	*	*
384	4	1	200684	3Ø	Ø	1	Ø	<b>Ø</b>	*	Ø	(2)	3	Ø	Ø	(2)	1	Ø	*	*	ᴥ	₩.
388	4	1	200684	33	Ø	3	(2)	(2)	(2)	(2)	(2)	7	1	Ø	(2)	5	Ø	*	₩	*	**
183	4	3	181084	24	1	Ø	(2)	(2)	4	(2)	(2)	3	Ø	Ø	(2)	1	1	*	**	₩.	· <del>X·</del>
184	4.	3	181Ø84	23	1	15	(2)	(2)	(2)	(2)	(2)	3	(2)	<b>(2)</b>	(2)	Ø	Ø	1	(2)	Ø	Ø
185	4	3	181Ø84	23	1	2	Ø	(2)	2	(2)	Ø	1	(2)	(2)	(2)	Ø	**	-₩-	*	· <b>*</b>	-₩-
186	4.	3	181084	21	1	(2)	(2)	Ø	*	(2)	$\langle Z \rangle$	1.	<b>Ø</b>	Ø	(2)	(2)	*	₩	₩-	*	-₩-
187	4	.3	181084	20	1	1	(2)	(2)	1.	(2)	Ø	(Z)	(2)	(Z)	(2)	Ø	1	*	*	*	*
188	4	3	181084	29	(2)	50	(2)	Ø	Ø	(Z)	Ø	22	(2)	1.	(2)	1	*	*	*	¥.	**
190	4	3	181084	21	(2)	(2)	(2)	Ø	1	Ø	(2)	1	(2)	(2)	(2)	<b>Ø</b>	*	-14-	*	<del>.X</del> .	*
200	4	3	181084	26	0	20	Ø	Ø	(2)	(2)	(2)	Ž	(2)	1	Ø	1	(2)	4.	(2)	3	6
206		3	181084	24	1	10	(2)	2) (2)	(Z)	(Z)	(2)	2	Ø)	(2)	(2)	2	Ø	7	Ø	1	5
	4																				
209	4.	3	181084	33	1.	80	(Z)	(Z)	(2)	<b>Ø</b>	(2)	40	1	1	3	2	(Z)	9	(Z)	Ø	9
213	4	3	181084	23	1	10	<b>Ø</b>	(2)	Ø	(2)	Ø	2	(2)	(Z)	Ø	Ø	(2)	23	<b>(</b> 2)	2	1
214	4.	35	181084	27	1.	30	(2)	Ø	(2)	Ø	(2)	3	Ø	(2)	(2)	Ø	7	1 1	(2)	2	(2)
137	5	1.	211083	32	1.	Ø	Ø	(2)	*	(2)	(2)	1.	1	(2)	1	1.	1	-}{-	*	*	.¥•
140	5	1.	211083	29	1	Ø	(2)	Ø	*	(2)	Ø	8	Ø	(2)	(2)	(2)	*	- <del>}{</del> •	*	*	**
78	5	3	231083	31	1	50	Ø	(2)	*	(2)	(2)	.3	(2)	(2)	$\bigcirc$	Ø	(2)	24	(2)	1.	6
79	5	3	231083	24	1.	1700	Ø	(2)	*	(2)	(2)	44	1.	1	ij	2	(2)	2	2	(2)	9
84	5	.5	231083	21	(2)	500	(2)	(2)	*	(2)	(2)	72	4	2	4	3	(2)	6	(2)	(2)	2
'												. ,,	•		-						

85	5	.3	231083	33	(2)	10	(2)	(2)	*	(2)	(2)	(2)	(2)	(2)	Ø	Ø	(2)	.3	(2)	(2)	Ø
87	5	3	231083	28	1	5	Ø	Ø	₩-	Ø	(2)	3	Ø	(2)	(2)	(2)	(Z)	12	(2)	(2)	22
	5		231083	30																	
90		3			Ø	(2)	Ø	Ø	·¥-	Ø	(Z)	3	Ø	<b>Ø</b>	Ø	Ø	(2)	8	1	1	Ø
172	5	3	231083	34	(2)	1	Ø	Ø	Ø	Ø	(Z)	8	Ø	Ø	(2)	(2)	₩.	*	34.	**	**
173	5	.5	231083	28	(2)	5	(2)	(2)	ж-	Ø	(2)	S	(2)	(2)	(2)	Ø	*	ᴥ	*	*	.54-
179	55	3	231083	25	(2)	Ø	(2)	Ø	1	(2)	(2)	35	(2)	. Ø	Ø	<b>(</b> Z)	(2)	10	(2)	1	(2)
180	5	3	231083	31	Ø	5	Ø	(2)	(2)	Ø	(2)	77	1	Ø	(Z)	Ø	34	*	*	*	-₩-
719		2	240985	32	Ø			Ø			(2)	•			(2)	Ø	(2)	*	*	*	*
	6					*	(2)		*	(2)		2	(2)	(2)							
721	6	2	240985	26	(2)	1	(2)	Ø	*	Ø	Ø	1.	Ø	<b>Ø</b>	(2)	Ø	(2)	*	₩.	-¥-	**
722	6	2	240985	27	(?)	(2)	Ø	Ø	*	Ø	Q)	(2)	Ø	(2)	Ø	(2)	(2)	*	*	¥	-₩•
723	6	2	240985	25	(2)	<b>Ø</b>	(2)	Ø	· <del>X·</del>	Ø	(2)	(2)	(2)	Ø	<b>(Z)</b>	(2)	(2)	*	*	-¥∙	*
724	6	2	240985	24	Ø	2	(2)	<b>(2)</b>	<del>∑</del> .	(2)	(Z)	Ø	Ø	<b>Ø</b>	Ø	(2)	(2)	.₩•	·¥-	*	*
725	6	2	240985	27	(2)	Ø	Ø	Ø	*	Ø	(Z)	1	Ø	(2)	Ø	Ø	Ø	-}4-	· <i>j</i> ¢•	-34-	*
726	6	2	240985	29	(2)	2	(2)	Ø	**	(2)	Ø	(2)	(2)	(2)	2	(2)	(2)	₩.	*	*	*
2Ø	7	1	30983	29	(2)	长	Ø	(Z)	4	(2)	(2)	7	22	<b>(</b> 2 <b>)</b>	2	2	Ø	1(2)	(2)	2	(2)
21	7	1	30983	27	1.	**•	(2)	(2)	₩	(2)	(2)	Ø	(2)	(2)	(2)	(Z)	(2)	6	(2)	(2)	Ø
23	7	1	30983	23	1.	4(2)	(2)	(Z)	*	(2)	(2)	1	1	(2)	(2)	Ø	(2)	16	(2)	12	(2)
24	7	1	30983	31	1	*	(2)	Ø	*	<b>(</b> Z)	Ø	4	Ø	(2)	Ø	(2)	(2)	9	(2)	(2)	(2)
25	7	1	30983	23	(Z)	*	Ø	Ø	*	(2)	Ø	(2)	Ø	Ø	Ø	Ø	(Z)	10	<b>Ø</b>	2	(Z)
28	7	1.	30983	22	(2)	*	Ø	Ø	*	(2)	(2)	(2)	(2)	Ø	(2)	(2)	Ø	16	2	4	(2)
30	7	1	30983	24	Ø	(Z)	(2)	(2)	.₩-	Ø	Ø	3	2	(2)	1.	7	(2)	1.7	1.	1	(2)
33	7	1	30983	31	1	(2)	(2)	(2)	₩.	(Z)	(2)	4	Ø	(Z)	(2)	i.	(2)	:5	(2)	1	2
34	7	1	30983	31	(2)	100	(2)	Ø	*	Ø	(2)	4	4	(Z)	(2)	<b>Ø</b>	(2)	9	(2)	5	(2)
35	7	1.	30983	28	<b>(2)</b>	20	Ø	(2)	≯	(2)	Ø	.3	1	(2)	2	1	(2)	1(2)	1	(2)	(2)
36	7	1	30983	29	Ø	10	(2)	Ø		(2)	<u>(</u> 2)		1		1	<i>(</i> 2)	(Z)	27	Ø	7	Ø
												5		(2)							
37	7	1.	30983	31	1.	150	<b>(2)</b>	Ø	*	(2)	Ø	8	2	1	(2)	1	Ø	Ó	(2)	1.	(2)
38	7	1.	30983	30	1.	1(2)	Ø	Ø	₩.	(Z)	(2)	6	.2	2	2	3	1	4	(2)	Ø	(2)
39	7	1	30983	3.3	(Z)	200	Ø	(2)	*	(Z)	(2)	8	4	(2)	Ø	1.	Ø	S	(2)	(2)	(2)
152	7	2	281083	33	(2)	5Ø	(2)	Ø	¥	Ø	Ø	.3	6	(2)	(2)	(2)	-34-	*	· <b>*</b> ·	*	ᴥ
1.61	7	2	281083	33	(2)	10	<b>(</b> 2)	Ø	*	Ø	(2)	7	6	3	2	(2)	₩.	*	ᴥ	*	·¥·
168	7	2	281083	33	(Z)	30	Ø	Ø	ж.	Ø	(2)	1	7	Ø	Ø	3	*	**	*	*	*
												-	•								
171	7	2	281083	32	<b>Ø</b>	5Ø	Ø	<b>(2)</b>	₩.	Ø	(2)	6	2	Ø	(2)	(2)	*	*	*	*	*
392	7	4	170185	31	(2)	20	Ø	(2)	*	Ø	(2)	5	(2)	3	(2)	1.	Ø	₩.	*	-34-	*
404	7	4	170185	29	(2)	10	(2)	(2)	2	(2)	(2)	.4	(2)	1	Ø	(2)	(2)	*	*	*	· <b>%</b> ·
4Ø5	7	4	170185	23	(2)	1	(2)	(2)	*	(2)	(2)	<b>Ø</b>	1.	Ø	(2)	(2)	Ø	*	-₩-	-₩-	-34-
407	7	4	170185	23	1	1.	Ø)	Ø	3	(Z)	(2)	(2)	(Z)	Ø	(2)	1.	(2)	*	*.	*	·¾·
410	7	4	170185	20	(2)	1.	Ø	Ø	*	(Z)	(2)	Ø	(2)	Ø	(2)	Ø	Ø	.)4.	.4.	.34-	.14.
																		•••		•••	•••
411	7	4.	170185	21	Ø	50	(2)	Ø	3	Ø	(2)	34	10	1	9	7	(2)	*	*	-3€-	*
412	7	4	170185	34	Ø	70	Ø	Ø	*	(2)	Ø	17	5	9	2	12	(2)	.¥-	*	*	-₩-
413	7	4	170185	32	1	5	Ø	(2)	秀	(2)	(2)	7	Ø	Ø	Ø	(2)	Ø	**	*	*	· <b>*</b>
421	7	4	170185	$\mathbb{Z} \emptyset$	(2)	2	(Z)	Ø	*	Ø	(2)	1.	(2)	(2)	(2)	(2)	(2)	·}{-	*	<del>-X</del> -	*
422	7	4.	170185	23	(Z)	<b>(2)</b>	(2)	Ø	3	(2)	Ø	(2)	(2)	(2)	(2)	(2)	(2)	*	*	-₩-	*
428	7	4	170185	34	1	40	Ø	Ø	·¥·	(2)	<b>(</b> 2)	1.(2)	2	Ø	1.	2	Ø	.₩-	*	*	*
431	7	4	170185	28	Ø	5	Ø	Ø	**	(2)	(Z)	1	Ø	(2)	1	1	Ø		*	*	*
432	7	4	170185	31	Ø	30	Ø	Ø	*	(2)	(2)	6	1.	9	(2)	1.7	Ø	.₩-	*	*	.34-
768	7	5	110995	24	(2)	1 🕖	(2)	(2)	*	(2)	(2)	Ø	(2)	Ø	(2)	(2)	(2)	-¥•	₩·	-14-	-∺•
769	7	S	110985	24	(2)	(2)	<u>(/)</u>	(2)	₩	(2)	(2)	22	(2)	Ø	(2)	(2)	(2)	₩	*	*	·¥·
770	7	5	110985	25	(2)	10	(2)	Ø	₩	(2)	(2)	2	(2)	Ø	(2)	(2)	(2)	*	ъ.	₩	-⊁-
771	7	5	110985	24	1.	5	Ø	Ø	*	<b>(2)</b>	Ø	6	(2)	(2)	(2)	Ø	(2)	*	*	· <del>X·</del>	*
772	7		110785					(Z)		Ø	(2)									*	
		5		30	1.	10	( <u>/</u> )		-⊁-			2	2	<b>Ø</b>	Ø	1	(2)	*	*		*
773	7	5	110785	24	(2)	15	Ø	Ø	*	(Z)	<b>(2)</b>	(2)	(Z)	( <u>/</u> )	Ø	<b>Ø</b>	Ø	*	₩	-}≮-	**
774	7	5	110985	30	(2)	1.	<b>(2)</b>	(2)	*	(2)	(2)	Ø	2	Ø	(2)	1.	(2)	*	*	**	*
775	7	5	110985	22	(2)	(2)	Ø	Ø	*	Ø	(2)	Ø	Ø	(2)	(2)	Ø	(2)	*	*	-₩-	-₩-
776	7	5	110985	27	<b>Ø</b>	15	Ø	(2)	*	(?)	Ø	5	1	Ø	Ø	1	(2)	₩	ж.	*	<b>3</b> .
777	7	5	110985	29	1	15	Ø	Ø	₩	(2)	Ø	(2)	(Z)	$\bar{z}$	Ø	(2)	Ø	*	₩.	<b>%</b>	**
778	7	5	110985	30	Ø	(2)	2	1	·¥-	(2)	(2)	3	3	(Z)	(2)	1	Ø	*	*	*	*
			110785	31						Ø											
779	7	5			(Z)	60	Ø	Ø	₩.		Ø	4.00	2	( <u>/</u> )	1.	5	Ø	*	₩.	ᴥ	*
78Ø	7	5	1100985	31	(Z)	15	(2)	<b>(</b> /)	*	(Z)	(2)	1 ②	1.	Ø	(2)	(2)	(2)	*	-₩-	·¥·	- <del>}4</del> -
791	7	5	110985	28	1.	60	Ø	(Z)	**	(2)	(2)	.5	(2)	1	(2)	S	1	**	*	-₩•	*

Transfer de

599 6 260485 28 Ø (2) (2)7 1 2 (2) (2) ₩. (2) 2 2 (2) Ø \* \* .14. ж. 28 5 19 Ø 611 7 6 260485 29 (2) 200 **(2)** (2) ₩. **(2)** (7) 51 1.(2) ν. \* \* ·¾· 7 6 260485 29 1 Ø 2 617 15 Ø × Ø (2) (2)Ø 1. (2)Ø ж. ж. 34 ¥ 619 7 260485 32 (2) Ø Ø 5 Ø (Z) Ø ₩ × Ж **(Z)** Ø \* 1 (2) у. 621 7 6 260485 26 17) (2) **(**2) (2) \* Ø (2) 4 (2) (2) 2 Ø (2) \* \* × × 623 7 260485 25 2 Ø (2) **(2)** (2) Ж. **(/)** (Z) Ø **(**2) Ø × ж. ж. ж. 6 1 7 27 624 260485 20 Ø (2) Ø ₩ **(**2) (2) 1 (2) (7) (2) 1 (2) Ж × \* \* 7 260485 25 4 **(**2) 626 6 1 1 Ø Ø \* (7) Ø Ø Ø [7] (2) ¥. ¥ × .¥. 627 7 260485 32 (2) (2) Ø (2) 4 1. Ø **(2)** \* 6 20 (4) \* (7) 1 4 4. 44. 6 260485 668 7 31 15 Ü (2) (2) (2) (2) Ø (2) (2) 3 Ø . j. ¥. ٠<u>ن</u> ·\*· 1 × 7 671 260485 -26 (2) .3 (2) (2) \* Ø (2) Ø (2) (2) Ø \* ¥ Ж × 1 1 7 673 6 260485 26 1. 120 (2) (2) ¥. **(2)** 1 (2) 2 **(2)** 7 (2) ж. × 1. 675 7 6 260485 29 (2) Ø **Ø** 2 (Z)**(**2) Ø (2)ж. 8 Ø ×. (2) (2) ₩. ₩. ₩ 7 636 270685 26 3 7 (2) (2) (2) \* (2) (2) 6 (2)(2) Ø (7) \* × ж. Ж. 7 637 270/685 34 (2) 50 (2) Ø ¥ **(**2) (2) 12 4 1. **(2)** Ø 1 ₩. ¥ \* × 655 7 7 270/685 28 (2) 3 (2) (2) Ж. (7) (2) 4 3 (2) Ø 1 Ø \* × \* ¥. 120286 31 125 5 2 3 858 8 1 (2) Ø (2)2 1 1 (2) ж. 16 <del>}{</del>-¥. .4. ₩. 120286 31 (2) 250 ij 2 3 861 8 (2) (2)\* (7) (2) 6 10 10 \* .<u>14</u> ж. ¥ 863 120286 20 3 4 8 1 1 20 (2) (2) ¥ Ø (7) **(**2) 1 (2) (2) ж. ¥-\* ¥ 866 120286 31 1 260 (2) (2) ₩. Ø Ø 4 Ø Ø (2) \* × ·¥-8 1 6 1 ж. 120286 31 2 50 Ø 3 2 3 5 867 8 1 1. 兴 12) 1 \* × -₩-Ж. 3 870 1 120286 30 (2) 20 Ø (2)¥. Ø (2) 1 Ø (2) 1. \*. ¥ \* \* 8 1 871 8 1 120286 27 1 10 Ø (2) \* 0 (2) 2 (2) (2) 0 Ø (2) ж × \* × 5 120286 29 (2)(2) **Ø** (7) 1 \* .14 872 8 1 10 (2) ×. (2) 1 1 1 ¥. \* 874 8 1 120286 29 1 40 (2) (/) \* Ø (2) **(**2) (2) 1. **(2)** 1 1 \* × \* ж. 875 120286 26 ж. 8 1 (2) .<u>ж</u>. (2) Ø ¥. (2) (7) (2) **(**2) Ø Ø Ø Ø ж. 'n. 8Ø2  $^{2}$ 120286 29 Ø (7) (2) (2) \* 8 Ø \* (2) Ø 1 1 × \* × 1 ... 1 2 120286 29 2 2 4 2 8Ø5 (2) (Z) 0 4 (7) (Z) ж. ж. 8 1 Ø \* \* # 30 810 8 2 120286 100 (2) (2) ж. Ø Ø 1. Ø 4 1 12 Ø ₩. × Ж ж. 813 2 120286 29 15 (2) Ø ₩. (2) (2) Ø 3 **(**2) 4 1 ж. ¥ ж. ж. 8 1 1 120286 24 100 (2) Ø (2) 2 Ø (2) 2 815 8 2 1. (2) Ø 1 .14. Ж. .34. .¥. ₩ 3 816 8 2 120286 30 90 (7) (2)**\*** Ø (2) .3 (2) 6 14 1 \* ж, ٠, 16 817 2 120286 29 2 (2) (2) ж. (2) (2) (Z) (2) 3 (2) 16 2 ж. × Ж × 8 2 120286 29 50 2 5 Ø 821 8 1. (2) 0 \* **(Z)** Ø **(**2) 6 (Z)Α. × × ъ. 825 2 120286 31 3 5 8 1 360 Ø (2) \* Ø **(2)** 4 **(2)** 1.6 (2) ₩ ¥ × ж. 120286 30 2 2 826 83 2 (3) 60 (2) (2) ₩. **(**2) (2) Ø (2) Ø 1 \* \* ¥. × 120286 29 ж. \* 828 2 1 80 Ø (2) .14. Ø (7) Ø Ø 17 1 Ø ١,٤. ж. 8 1 5 830 8 2 120286 25 30 (2) (Z) ж. (2)(2) **(2)** Ø 1 (2) (2) ×. ₩ ·¥-·¥-120286 28 170 831 8 (2)(2) (4 (7) 2 1 2 Ø 11 2 ₩. Ж. ж. 832 2 120286 27 150 **(2)** 4 Ø 9 (2) × 8 (2) Ø (2) ж. (7) Ø ж. × × 1  $\mathbb{Z}$ 120286 31 250 835 **(2)** 3 24 8 1 (2) (2)\* (2) (4) 8 (2) (2) \* Ж × \* 839 8 2 120286 25 1 100 Ø (2) ₩ (7) 1. (2) 2 (2) 5 Ø ¥. X × W. 843 8 2 120286 28 (2) 30 **Ø** (2) .₩. Ø (2) 1 Ø Ø Ø (2) 1 ₩ X .¥∙ ж. 25 844 8 2 120286 30 Ø **(2)** (2) (2) (2) (2) Ø 4. (2) × 6 (2) ж × \* ж 845 (2) 2 120286 31 35 (2) Ø 4 (2) Ø 8 (2) \* (2) 1 8 1. .¥. × ж. ·\* 853 8 2 120286 24 1. 7 **(/) (**2) ¥. (2)  $\emptyset$ (2) Ø 1 Ø Ø (2) ж. ¥. И. ж. 855 8 120286 28 1 15 (2) **Ø** \* Ø Ø 1 Ø Ø Ø (2)ж. ¥ .₩. ₩. 1 856 2 120286 27 (Z) 3 3 3 8 1 10 (2) \* Ø **(7) (2)** (2) 1 ·¥. 4 ¥. ... 857 8 2 120286 30 180 (2) 0 (2) 2 Ø 1 (2) ₩. 1 1 Ø Ø 4 \* ¥ 4 9 ij 50683 34 (2) Ø (2) м. 0 (2) Ø **(**2) (2) 4 Ø (2) **(**2) 1 1. ж. 1 1 34 Ø (2) 50483 (2) **(2)** (2) .¥-(2) (2) 12 (2) (2) Ø 17 **(/)** 6 1 1. ₩. (7) Ø 9 1 1 50683 34 (2) \* Ø (2) ₩. **(7)** (2) 1 1 (2) (Z) Ø 2 5 (2)(2)(2) 12 1 50/683 17 (2) Ø (2)(2)ж **(**2) (2) Ø (2) **(**2) (2) Ø 7 (2)(2) (2) 1 (2) 50683 33 Ø 57 5 **(2)** Ø 15 (2) 1000 Ø (2) (2)5 (Z)Ø (2)j. \* 1. 1 1. 2 473 34 35 2 1 .5 101184 (2) 500 Ø (2) × **(Z)** (2)**(2)** 0 **(2)** ₩ ₩ × ₩. 475 3 101184 33 (2) Ø 2 (2)(2) 45 Ø 7 Ø ₩. × 4 × 1 250 1. 4. 1 566 10 1. .3 101184 34 (2) (2)(2) × Ø 0 i 4 (2) Ø 5 1 × ж. ₩. ж. 5 (2) (2) Ø 573 1 101184 34 (2) (2) (2) **(2)** (2) 5 Ø Ø (2)22 Ø 80 Ü

\* 1 × 1

roments at	.1	74	4 (2) 4 4 (2) 4		ca	4 (% (%	C.A.	C%			773	273.273	25%				*****				
581	1	4	121184	33	(Z)	100	(2)	<b>(2)</b>	茶	Ø	(2)	22	2	1	1	(2)	3	*	*	-;4-	**
584	1.	4	121184	33	Ø	80	(2)	Ø	*	(2)	(2)	8	(2)	Ø	Ø	(2)	Ø	**	*	*	*
587	1	4	121184	34	(2)	15	(2)	Ø	*	Ø	(Z)	1. (2)	(2)	<b>Ø</b>	(2)	(2)	ブ	-}≮-	*	-34-	-₩-
661	1	4	121184	34	(2)	10	(2)	(2)	*	Ø	(2)	1.3	(2)	2	1	Ø	1	*	*	*	**
665	1	4	121184	34	(2)	2Ø	(2)	(Z)	₩	Ø	(2)	11	(2)	Ø	Ø	(2)	1.	₩.	*	*.	*
42	$\mathbb{R}$	1.	*	33	(2)	2	(2)	(2)	**	Ø	Ø	1	2	2	<b>(</b> 2)	Ø	Ø	6	(2)	(Z)	(2)
44	2	1.	*	32	1	15	(2)	(2)	-}{-	Ø	Ø	1	(2)	Ø	2	1	(2)	(2)	Ø	1	Ø
47	2	1	*	3.3	1	5	Ø	(2)	*	Ø	(2)	9	Ø	(Z)	(2)	1	Ø	7	Ø	1	(2)
49	2	1	*	32	1	2	Ø	(Z)	*	(Z)	Ø	ź	Ø	(2)	Ø	1	(Z)	1	Ø	(2)	Ø)
50	2	1.	*	32	1	1 (2) (2)	(2)	Ø	*	(2)	Ø	5	Ø	(2)	Ø)	(ک)	(2)	1	1	Ø	(Z)
5u 61		2	83	32	Ø	40	Ø	(Z)			1.				3						
									.¥ 	(2)		6	Ø	Ø		Ø	(Z)	6	(2)	1.	Ø
556	2	3	311084	18	1.	15	(2)	(Z)	(2)	Ø	(2)	1	Ø	(2)	Ø	Ø	Ø	6	(2)	1.	(2)
294	$\mathcal{Z}$	4	151284	33	1	5	Ø	(2)	*	Ø	(Z)	5	(2)	Ø	(2)	Ø	(2)	-} <del>/</del> -	**	*	-34-
295	2	4	151284	34	1.	(2)	(Z)	Ø	.¥∙	(2)	Ø	1	(2)	(2)	(2)	Ø	(2)	*.	*	.¥.	.₩.
307	2	4	151284	34	(2)	(2)	Ø	(2)	(2)	Ø	(2)	.3	1	Ø	<b>(2)</b>	(2)	Ø	*	**	₩	₩
3Ø8	2	4	151284	33	1	5	Ø	(Z)	Ø	Ø	(2)	2	(2)	1.	(2)	1	(2)	*	*	*	*
312	2	4	151284	24	(2)	4Ø	(2)	(2)	1	Ø	(2)	3	1.	2	3	1.	(2)	**	*	**	*
317	2	4	151284	33	1	1 (2)	(Z)	1.	(2)	(2)	(2)	3	Ø	(2)	Ø	(2)	Ø	*	-₩-	*	₩.
327	2	4	151284	33	1	10	Ø	Ø	1	Ø	Ø	1. 1.	1	Ø)	Ø	(2)	Ø	₩.	*	*	*
331	2	4.	151284	34	Ø	10	(2)	Ø	Ø	Ø	Ø	1.0	Ø	1	Ø	7	(2)	*	*	*	*
189	4	.3	181084	17	1	(2)	(Z)	(Z)	*	Ø	(2)	(2)	(2)	Ø	Ø	Ø	Ø	23	1	2	(2)
191	4.	3	181084	17	(Z)	Ø	(Z)	Ø	*	(2)	Ø	(2)	Ø	(Z)	Ø	© (Z)	(¿) -¥÷	. <del>X</del> -	* T	.i *	-¥-
	-	بريد. الس				-															
207	4	್ಷ	181084	14	1	Ø	Ø	Ø	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø	4	20	4	(2)	Ø
1227	6	5	310386	33	(2)	Ø	(2)	(2)	*	(2)	<b>(2)</b>	24	(2)	Ø	(2)	(2)	(2)	*	*	**	-₩-
618	7	Ó	260485	18	Ø	70	(2)	Ø	₩	(2)	Ø	4	2	7	Ø	4	Ø)	.∺.	*	*	-}⊀•
860	8	1.	120286	32	1.	*.	Ø	(2)	*	Ø	(Z)	1.	1	4	(2)	(2)	(2)	*	*	*	*
862	8	1	120286	3.3	1.	13Ø	(2)	(2)	₩	Ø	(2)	6	1	5	<b>(</b> 2)	22	(2)	₩	*	₩.	₩
868	8	1	120286	32	Ø	1.5	(2)	(2)	.₩.	(2)	(7)	3	(2)	2	Ø	3	1.	₩	*	*	-₩-
804	8	2	120286	31	1	150	Ø	(2)	*	Ø	(2)	4	1.	3	3	21	1	**	<b></b> ₩	*	-₩-
807	8	2	120286	32	· <b>※</b> ·	60	Ø	(2)	₩	(2)	Ø	7	(2)	<b>(</b> 2)	Ø	14	1.	*	*	*	-¥∙
809	8	2	120286	33	(2)	150	Ø	(2)	34	Ø	(2)	3	2	15	1.	43	1	.₩-	<del>-X-</del>	-}(-	· <b>}</b> {-
818	8	2	120286	31	<b>(</b> 2)	10	(2)	(2)	₩.	(2)	Ø	1	Ø	(2)	(Z)	4	(2)	*	₩.	<del>∦</del> .	*
819	8	2	120286	33	(Z)	125	(2)	Ø	-}{-	Ø	Ø	8	2	3	12)	20	1	*	*	*	*
820	8	2	120286	33	(2)	130	Ø	(Z)	*	Ø	(Z)	.4	1	3	Ø	4	1	<del>){</del> -	*	*	·¥-
822	8	2	120286	34	(2)	30	(2)	Ø	*	(Z)	Ø	3	Ø	2	Ø	4	(Z)	*	-X-	₩.	*
823	8	2	120286	34	Ø	.J. (J.)		(2)	*	(Z)	Ø		Ø)	(Z)	Ø	•		- Xr	*	*	-X-
							(Z)					1			****	4	1				
824	8	2	120286	34	Ø	50	Ø	(2)	-}<-	(Z)	Ø	1.0)	(2)	10	Ø	20	2	*	*	₩.	*
829	8	2	120286	33	(2)	130	(2)	Ø	**	(2)	(2)	1.	Ø	5	(2)	17	1.	*	*	*	**
833	8	2	120286	33	(2)	10	(2)	Ø	₩	(Z)	(2)	2	(2)	4	1	12	Ø	· <del>X</del> ·	-74-	**	**
836	8	2	120286	33	1.	1.55	(2)	(2)	K	Ø	(2)	5	1	6	1	4	1	*.	*	₩	·¥·
837	8	2	120286	33	1	250	Ø	1	-}4•	Ø	Ø	3	<b>(</b> 2)	6	(2)	7	Ø	*	*	-∺•	-}{-
841	8	2	120286	34	Ø	130	(2)	(Z)	*	<b>(2)</b>	(2)	1	1	3	Ø	11	2	÷	*	-₩-	*
847	8	2	120286	32	(2)	80	(2)	(2)	*	(2)	Ø	2	3	Ø	Ø	.3	Ø	*	.¥∙	*	*
851	8	2	120286	34	Ø	250	Ø	(2)	*	(2)	(2)	7	:1,	4	(2)	35	(2)	₩.	*	-¥-	**
852	8	2	120286		1	50	(2)	(2)	*	Ø	(2)	1	2	2	Ø	17	4	*	*	₩.	*
854	8	2	120286	33		250	(2)	Ø	×	Ø	Ø	(2)	(2)	5	1	5	(Z)	*	*	*	₩.
Car Car	1/	4	ate about their about head	**	.1,	dia sul Sul	*	<i>''</i>	•	4.0	W.7	6.7	4.3	·)	.1.	\/	K.J	^	^		

Table 2. Numbers of parasites in medium sized  $\underline{H}_{\bullet}$  atlanticus (35 to 39 cm LCF) from Australia.

11.	1	1.	50683	39	(Z)	**	Ø	(2)	Ø	<b>Ø</b>	Ø	6	Ø	Ø	Ø	Ø	Ø	2	Ø	(2)	Ø
1.6	1	1	50683	38	Ø	750	(Z)	(Z)	*	1	1	19	4	1	Ø)	Ø	Ø)	3	1	(2)	(2)
442	1.	2	91184	37	(2)	600	(2)	(2)	*	Ø	1.	18	8	Ø	4	3	(Z)	*	*	-¥+	. <del>X</del>
444	1	2	91184	38	(2)	50	(2)	Ø	₩	Ø	(2)	52	3	(2)	4	2	3	*	*	<del>∦</del> ·	**
449	1.	2	91184	35	(Z)	50	Ø	(Z)	*	Ø	(2)	21	3	1	Ø	1	(2)	*	*	<b>兴</b>	*
451	1	2	91184	38	(2)	500	<b>(2)</b>	(Z)	*	(2)	Ø	73	1 Ø	1	1. 1.	2	2	*	*	*	**
452	1.	2	91184	39	(2)	350	(2)	Ø	*	Ø	Ø	23	1	Ø	2	1	2	·¥	.₩	∰ 	*
455	1.	2	91184	37	(2)	15	(2)	(2)	*	(2)	(Z)	15	(Z)	Ø	Ø	Ø	(2)	3	4	(2)	(2)
458	1.	2	91184	39	1	1.	Ø	(2)	₩.	(Z)	Ø	19	Ø	1	Ø	2	(2)	2	(2)	(2)	(2)
460	1	2	91184	35	Ø	4(2)	(2)	(2)	.¥∙	(2)	Ø	10	1	Ø	Ø	Ø	1.	-₩-	*	*	*
462	1		91184	35	Ø	100	(Z)	1	1.	Ø	(2)	31	5	Ø	. 8	1	1	). <del>(</del> -	*	*.	*
463	1.	2	91184	39	(2)	200	(2)	(2)	*	Ø	<b>Ø</b>	56	7	Ø	10	1	(2)	*	*	**	-₩-
465	1	2	91184	38	(2)	400	(2)	(2)	*	Ø	Ø	69	7	Ø	5	Ø	1	*	*	并	·¥·
466	1	2	91184		<b>Ø</b>	250	Ø	(2)	*	(2)	(2)	49	4.	1	1.	2	Ø	*	*	*	*
467	1	2	91184	37	(2)	300	(2)	(2)	*	(2)	Ø	30	3	1.	1	1	Ø	-₩-	*	₩.	-}⊀-
468	1	2	91184	35	Ø	200	(2)	(Z)	*	(2)	1	37	6	1	4	1	(2)	*	<b>☆</b>	*	₩.
471	1	2	91184	35	(2)	20	Ø	(2)	**	(2)	Ø	32	(2)	(2)	1	Ø	(2)	1.	(Z)	(2)	1
476	1.	3	101184	38	(2)	150	(2)	<b>(2)</b>	1	(2)	(Z)	90	1.0	1	6	2	Ø	*.	*	**	*
477	1	3	101184	38	(2)	10	(2)	(2)	**	<b>Ø</b>	(2)	22	. 2	1.	Ø	Ø	Ø	*	-₩-	*	₩.
478	1	3	101184	39	Ø	200	1.	Ø	*	<b>(</b> 2)	(2)	97	10	(2)	7	3	3	*	*	*	.₩.
482	1.	3	101184	35	Ø	3	(2)	(2)	**	(2)	Ø	18	(2)	Ø	1	2	(2)	-54-	-}{-	-₩-	-₩-
483	1	3	101184	38	(2)	57	(2)	(2)	₩.	(2)	(2)	51	4	2	6	4	2	*	-}{-	₩	·¥·
487	1.	3	101184	37	(2)	5	(2)	<b>(</b> 2)	₩	(2)	Ø	44	(Z)	(2)	Ø	1.	<b>(</b> 2)	*	*	-₩-	·¥·
488	1	3	101184	39	(2)	999	(2)	(2)	*.	(2)	(2)	1.67	1.8	(2)	17	7	(2)	(2)	Ø	1.	1
491	1	.3	101184	38	Ø	8	(2)	(2)	**	(2)	(2)	21	2	1	3	Ø	(2)	15	1	Ø	3
567	1.	.3	101184	36	<b>(2)</b>	90	(2)	(2)	*	(2)	Ø	9	2	Ø	(2)	(2)	(2)	*	*	*	**
568	1.	.3	1Ø1184	35	(2)	50	(2)	1.	*	(2)	(2)	1.0	Ø	(2)	Ø	Ø	Ø	快	-3 <del>1</del> -	-}{-	-₩-
569	1.	3	101184	36	(2)	15Ø	(2)	(2)	*	(2)	(2)	7,2	6	1.	1	(2)	1.	*	*	*	·¥·
57Ø	1.	3	101184	35	1	64	(2)	(2)	15	Ø	(2)	7	1.	2	2	1.	1.	7	1	(2)	2
571	1	3	101184	38	1.	1.00	(2)	(Z)	2	(2)	(2)	51	5	(2)	9	1	(2)	Ø	1	(2)	(2)
574	1	4	121184	38	(2)	100	(2)	1	(2)	(2)	(2)	23	2	(2)	1	Ø	(2)	*	Ħ	-₩•	₩
575	1.	4	121184	35	(Z)	88	Ø	(2)	₩	(2)	(2)	1.1	1.	(2)	1	1	Ø	*	*	*	₩
576	1.	4	121184	35	(2)	250	(2)	(Z)	·¥-	(2)	Ø	7	3	(2)	Ø	(2)	(Z)	-₩-	-}-	-₩•	*
577	1.	4.	121184	39	(2)	1200	(2)	(2)	₩.	(2)	(2)	47	Ø	(2)	32	3	Ø	.¥∙	*	*	·¥·
578	1.	4	121184	36	(2)	250	<b>(2)</b>	(2)	**	(2)	(2)	30	4	5	5	4	(2)	*	*	*	*
580	1	4	121184	35	(2)	260	Ø	(Z)	*	(2)	(2)	36	7	1	5	12	(2)	*	*	-¥∙	·¥·
583	1.	4	121184	37	(2)	80	Ø	(2)	**	<b>Ø</b>	(2)	18	1	1	3	2	2	*	*	-}4-	*
585	1.	4	121184	35	(2)	70	Ø	(2)	*	(2)	(2)	1.7	3	Ø	<b>Ø</b>	<b>Ø</b>	1	*	₩.	*	*
586	1.	4	121184	39	(2)	80	(Z)	Ø	₩.	Ø	Ø	28	8	2	3	5	(2)	*	**	*	-}≮-
588	1.	4	121184	37	Ø	170	Ø	(2)	*	<b>(2)</b>	(2)	32	3	Ø	4	Ø	(2)	*	*	*	.¥.
589	1.	4	121184	37	(2)	25	(Z)	( <u>/</u> )	Ж.	(2)	(2)	19	(2)	Ø	Ø	Ø	3	*	*	*	·¥-
590	1	4	121184	35	(2)	30	(2)	(2)	*	(2)	(2)	8	1.	Ø	Ø	(2)	1	-14-	*	*	*
592	1.	4.	121184	37	Ø	150	(2)	(2)	*	Ø	Ø	28	3	(2)	2	2	Ø	-}(+	*	-₩-	*
593	1.	4.	121184	39	(2)	90	(2)	(2)	₩	(2)	(2)	1.(2)	2	(2)	3	2	Ø	*	*	-₩-	-₩-
594	1	4.	121184	35	Ø	5	(2)	(2)	**	(2)	(Z)	12	(2)	<b>Ø</b>	Ø	(2)	4	*	*	ж.	*
658	1	4	121184	35	Ø	20	(2)	(2)	¥.	Ø	Ø	20	1.	Ø	1	Ø	Ø	*	*	- <del>X</del> -	₩.
659	1.	4	121184	38	(2)	*	(2)	(2)	ᴥ	(2)	(2)	53	8	<b>Ø</b>	1.	4	Ø	*	.共.	-₩-	*
660	1	4.	121184	37	(2)	200	(2)	(2)	*	Ø	(2)	18	1.	Ø	5	1.	2	*	*	*	**
662	1	4	121184	38	(2)	30	Ø	Ø	*	(Z)	(Z)	26	2	(2)	2	Ø	Ø	*	*	*	¥
663	1.	4	121184	39	Ø	400	(2)	Ø	*	(Z)	(Z)	52	4	1	2	1.	Ø	*	*	*	ᴥ
664	1	4	121184	35	Ø	150	Ø	Ø	*	Ø	Ø	1.6	(2)	2	2	1	(2)		*	*	*
565	1	4	121184	36	Ø	20	Ø	(2)	*	(Z)	Ø	9	1	Ø	1	1	Ø	*	*	₩.	.¥.
667	1	4	121184	38	Ø	60	Ø	Ø	*	Ø	Ø	1. 1.	2	Ø	2	2	Ø	*	*	*	₩.

91 23 758 1. 121184 39 (2) 200 Ø (2) × **(2)** (2) 10 1. 18 3 ¥ ж. ж. \* 759 39 Ø 25 \* ж. 1 121184 (?)180 Ø 1 ж. (2) 1 (2) 3 3 (2) ¥. × 761 4 121184 36 50 (2) 4 (2) (2)(2) ¥ ж 米 \* (2) Ø **(/)** 4 (2) **(**2) (2) 1 150 1.4 **(**2) Ø × ₩. ц. 762 1. 4. 121184 35 (2) (2) Ø \* Ø (2)10 (2) 1. .¥-764 4 121184 38 (2) 300 Ø (2) × (2) Ø 27 ... 3 8 4 (2) Ж \* \* ж. 1 7 2 765 1 4 121184 38 (2) 40 Ø (2)\* (2) (/) 7212 1 (2) × × × \* 4 Ø 121184 38 (2) 60 Ø Ø Ø 49 8 Ø ж. ж. \* 766 1. \* Ó ර \* 6 4 767 1 4 121184 36 (2)70 Ø Ø ¥. Ø (2) 18 6 (2)4. (2) ¥. × + ķ. 5 30685 38 Ø × × ₩. 684 1 (2) 800 1 Ø ж. Ø (2) 81 10 (2) 1 Ø ₩. 685 5 30685 39 (2) 140 0 Ø ¥. (2) (2) 32 Ø 2 2 2 1 \* \* ₩. у. 1 5 97 5 2 30485 36 (2) Ø Ø 686 1. \* Ø **(Z)** ж. (7) Ø 1 \* -14ж. ж. 5 688 30685 35 (2) 40 Ø Ø \* Ø Ø 5 Ø (2) Ø 3 3 ж. × ж. 1 × 5 692 30685 38 (2) 300 Ø 1 .4. Ø Ø 7 (2) (2) (2) **(**2) 1 ₩ ₩. \* \* 1 5 9 694 30685 37 **Ø** 1.00 (2) (7) ¥. (2) (2) 46 2 6 (2)ж. × ¥. ж. 1 1 5 1000 3 700 1 30485 39 (2) (2) ĺЙ ж. (7) (2) 105 16 14 1.1 (7) ж. ·¥-× ж. 701 1. 5 30685 39 1 400 (7) (2) ¥. (2) (2) 28 1 1 2 3 Ø ₩ ж. × \* 15 702 5 30685 38 500 (2) Ø 56 4 7 (2)¥ ₩. ٠¥. 1 (7) (2) 0 ж. 1.1 Ж. 705 5 30685 35 1700 (2) 49 4 12 ... (2) (2)Ø (2) (2) × ₩ ж. \* 1 ₩ 1. 5 5 35 19 708 1 30485 (2) 25 Ø Ø \* Ø Ø Ø 1 1 1 \* ₩ ÷ ж. 711 1 Ë 30685 39 Ø 120 (2) Ø \* (2) Ø 42 2 (2) 5 3 2 ¥ ¥-\* У. 40 2 37 Ø (2) Ø 1 .... (2) (2) (7) 5 (2) 1 (2) 1 4 1 1(2) .34. 16 Ø 52 5 (2) (Z)2 35 40 (2) 0 Ø (2) 1 Ø Ø 1 .¥. 1 (2) ¥. (7) 1 Ó 15 2 55 2 36 (2) Ø 0 Ø 0 2 Ø (2) Ø (2) 1 Ø (2)1 14 \* (2) 7 57 2 1 \* 35 (2) 1.(2) (2) (2) \* (2) (2) 8 (2) (2) Ø (2) Ø Ø 1 1 2 35 250 9 2 (2) Ø Ø (2) (2) (2) (2) (2) 58 1. .¥-1 Ø (2) ₩ (2) 59 2 1 37 999 Ø Ø Ж Ø (2) 4 (2) (2) Ø) 1 Ø 1. (2) (2)(Z) · <del>| (</del>-1 2 Ø 60  $\mathbb{Z}$ 2 83 36 (2) 100 Ø **(**2) 44. Ø (2) 7 Ø 2 1. 1 Ø (2)(2) 2 2 (2) 50 Ø (Z) **(2)** (2) 4 2 1 (2) 9 (2) 1 Ø 62 83 36 4. 1 1. 9 2 2 (Z)Ø 63 83 36 (2) Ø (2) (2) ¥ **(2)** Ø 6 (2) Ø 1 (2) (2) Ø 64 2 2 35 50 Ø (2) (2) (2) 12 1 (7)(2) Ø Ø 3 (2) Ø (2) 83 1 \* 2 2 83 35 1000 Ø Ø 4(7) 3 8 9 7 1 2 Ø (Z)Ø 66 1 (7) (7) ж. 2 2 (2) 67 83 37 **(**2) 1000 **(**2) (2) (2) 18 (2)Ø Ø Ø Ø ₩. 1 1 6 1 2 . . . 60 497 311084 38 1 (2) Ø \* **(2)** Ø 17 2 Ø 0 5 Ø 4 H \* \* 498 2 3 311084 39 1 40 Ø **(2)** \* (2) (2) 18 1 Ø 6 1 Ø ₩. ж. ¥. ₩. 3 Ø 5 500 2 311084 37 40 Ø Ø (2) **Ø** Ø (2) Ø 1 .¥. 11 ц. × .¥. \* 504 2 3 311084 35 (2) 2 (2) (2) ж. (2) (2) (2) Ø Ø (2) (2)2 ₩. \* ж. ж. 511 2 3 311084 35 1 34 (2) (2) 1. (2) (2) 15 Ø 3 14 (2) ж. × \* 34 1 7 514 2 3 311084 35 Ø Ø **(**2) . ¥. Ø (2) Ø Ø Ø (2) \* \* ¥. \* ¥ 1. 521 2 3 37 53 3 2 311084 1 (2) **Ø** -}4-Ø **(**Z) 10 (2) (2) (2) Ж ₩ ·¥· .}{∙ 525 2 3 311084 37 (2) 5 **(**2) Ø \* Ø (2) 14 2 (2) (2) Ψ. \* ¥. Ø Ø × 527 2 3 311084 38 (2) 320 (2) (2) 4 (2) (2) 33 Ø 1 (2)(7) ¥. × ₩. 1 34 2 3 535 311084 36 1 25 (2) Ø ¥. (2) (2) 12 1 171 (2) (2) Ø \* Ж ¥. × 536 2 3 311084 35 1 15 Ø (2) ж 0 (2) 2 Ø (2) Ø Ø ж. X. × ж. 6 284 2 151284 38 (2) 40 Ø (2) 1 Ø (2) 20 Ø 1 Ø 4 Ø \* X. ¥. Ψ. 293 2 151284 (2) 7 3 4 35 (2)(2) (2) **(**2) Ø Ø (2) ж. Ж 1. 10 1 \* ж. 296 2 151284 Ø (2) **(**2) (Z)(2) (2)1 35 (2) 1(2) (2)(2)Ø (2) 6 1. (2)1. 313 2 151284 35 (2) 30 (2) Ø **(**2) Ø Ø 7 0 **(**2) Ø (2) (2) \* ж. × 4. ж. 316 2 4 151284 35 1 Ø Ø (2) Ø (2) (2)6 (2) Ø (2) Ø Ø ¥ **W** ¥. Α. 318  $\mathbb{Z}$ 4 151284 35 5 Ø Ø (2) (2) (7)7 1. Ø ж. 1 1 1 1 共 Ж. Ψ. 9 2 2 2 2 3 319 151284 36 **(2)** 30 Ø (/) (Z) (2)(2) 1 **(2)** 0 1 1 2 350 (2) 10 2 320 151284 38 1. (2) (7) (4 (2) 1 (2) 1. (2) ₩. × -14 \* 325 2 151284 20 (2) Ø **(2)** (2) 7 (2) (Z) Ø (2) ж. ж. Ц. \* 4. 38 1 **(**2)  $\Omega$ 70 328 2 151284 39 (2) Ø (2) (2) 19 3 ж. 4. (2) 1 (2) (2) (2)Ø ж. ÷ 4 .3 2 329 2 4 151284 35 (2) 5 Ø (Z) Ø Ø (2) 4 (2)Ø Ø Ø 4 Ø (/) 5 3 2 131083 36 1 1500 Ø **(**2) ж. Ø (2) 21 (2) 2 **(2)** 6 Ø 1 68 (2) 1 2 69 3 2 131083 38 (2)300 **(2)** ж Ø (2) 23 (2) Ø (2) 12 (2) Ø (2) 1 1 71 3 131083 35 Ø 75 (2) Ø \* Ø (2) 5 2 Ø Ø Ø Ø 3 Ø **(**2) 1 73 3 131083 39 (2) 150 **(**2) (2) ¥. (2) (?)40 1. 1 5 2 Ø 2 1 Ø 3 74 3 Ø 2 (2)(2) 3 131083 38 Ø 2000 Ø (2) 54 Ø 1 24 Ø

i d

.14.

Ø (2)

5 4 3 (2) 2 (2) 2 4 (2) 300 Ø -}{-171 (7) 1.1 75 3 2 131083 38 (2) (7) 1. Ø Ø (2)1 1 (2) 1 3 2 131083 37 (2) 200 Ø (7) \* (2) (2) 28 **(**Z**)** 77 Ø \* (2) (2) 4 Ø 2 (2) 12 Ø 1.6 Ø (2)4 3 2 131083 35 (2) 50 (2) 102 2 14 (2)1 3 3 131083 36 Ø 150 Ø 0 \* Ø (2) 21 (2) Ø 4 Ø 2 104 2 131083 35 (2) Ø 36 Ø Ø 2 (2) (2) 0 0 ж. ж. × Ж. ж. 3 2Ø (2) 109 27 3 1 **(Z)** × ж. .¥∙ \* \* (2) (2) **(/)** 3 131083 37 (7) 800 Ø (2) 14 115 ¥ × 38 Ø (2) ₩ **(2)** (2) 3 (2) Ø (2) Ø \* \* -34-117 3 131083 1Z 50 Ø (2) 22 (2) 1 × \* ¥. \* Ж 121 3 2 131083 39 (2) 60 (2) **Ø** ₩. 1 1 147 3 2 131083 35 1 120 (2) (2) × (2) (2) 7 2 Ø 2 4 1 ж. 11 ж ¥ 1.5 7 2 2 (2) **(2)** (2) 3 2 20 (2) (2) (2) (7) 148 131083 36 (2) Ø (2) ж. 1 3 2 3 1. (2)(2)(2) 37 150 (2) **Ø** (2) 24 2 (2) (2)339 4 1 200684 (2) (7) 2 (2) \* \* × .χ. 4 38 70 **(2)** Ø (2) 0 (2) 19 Ø Ø Ø 344 1 200684 (7) 2 (2) \* 38 100 1 (2) 17) Ø (2) Ø ж. ,ì.j., \* 345 4 1 200684 1 (2) (2) 8 7 1 (2) (2) 1 (2) 200684 37 150 **(2)** (Z)(2) 48 (2) (7) 348 4 1 (2) 12 1 349 4 200684 39 (2) 5 (2) Ø Ø (2) (/) 4 (2) Ø (2) 1 (2) Ж \* Щ. 4 1. 27 5 4 4. (2) \* ķ. × ж. 37 150 (2) (2)351 4 200684 Ø (Z)(2)1 1 1 5 \* ж. (2) (2) (2) 1 (2) \* ₩. 352 4 200684 38 **Ø** 30 (2) (2)Ø (2) 1 9 25 (2)(2)Ø 356 4 1 200684 36 (7) 5 (2) (2) 3 Ø (2) (2) 1 Ø Ø 1. 200684 35 30 (7) (7) 3 Ø (2) 2 (2) (2) (2) \* Ж. ᴥ ж. 358 4. 1 16 1 1 2 2 (7) (7) 1 Ø \* × ж. ₩. (2) (2) 3 359 35 (2) 20 Ø (7) 4 1 200684 2 4. Ø (2)(2) 2 **(**2) (2) 200684 37 (2) 50 **Ø** (2) (2) (2) 1.1 (2) 17 361 4 1. (Z)**(2)** \* ж. \* ж. 362 4 200684 35 ľΛ 8 Ø (2) Ø (2) (2) 12 (/) **(2)** 1 1. 35 Ø Ø Ø 21 (2) 1 Ø ¥ 36 .u \* 200684 (2) (2) (2) 1 1 365 4 1. (2) \* 2 17 (Z) 8 (2) \* .4. \* 367 4. 1 200684 35 (2)6 (2) **(2)** (2) Ø 1 (Z)369 4 200684 38 (2) 5 (2) (2) 3 **(**2) (2)13 1. (2) 2 2 1. Ж ₩. Ж. × 1 (2) Ø 9 Ø **(2)** Ø Ø × \* 봊. ¥. 370 4 200684 35 (2) 30 (2) (7) 1  $\Theta$ 1. 7 1 (2)**(**2) 23 4 1 (2) 371 4 1 200684 36 (2)10 Ø Ø (2) (2) Ø 1. Ø Ø (2) 2 (2) **(2)** Ø Ø 1. (Z) Ø Ø 376 4. 200684 36 (2) 20 (2) (2) 0 8 1 3 3 377 200684 38 50 Ø Ø 9 (2) (2) (2) \* ₩. 14 × 4 (2) (2) (7) ж. 1 25 2 Ø 2 (7)ķ. \* .i4. 39 (2) (2) 6 \* 380 4 200684 30 (2)Ø 1 171 ₩ 2 5 14 5 44 ж. 382 4 1 200684 38 1 ж. Ø (Z)ж. Ø (2) (2) (2) 44. \* 3 2 385 4 1 200684 38 (2) 4 (2) Ø ₩ (2) Ø 45 (2)3 Ø ¥. \* × .¥. 67 (2) (2) Ø 0 2 1 4 2 1 .... ж. ж. × 4 200684 38 (4) \* 11 387 1 3 4 3 ₩ 39 (2) 40 Ø ·¥· ·¥u. 1500 (2)(2) Ø 171 \* 192 4 3 181/084 (2) 39 (2) 400 Ø Ø Ø **(2)** (2) 33 1. (Z)(2) (2) .}{ж. 4 \* \* 196 4 181084 (2)2 1 **(**2) ₩. ℀ \* 3 181084 38 (2) 150 Ø Ø 1 **(**2) (2) 28 (2) ¥. 201 4 5 12 24  $\mathbb{Z}$ ¥. × × Ж 202 3 181084 38 Ø 100 (2)1 Ø Ø (2) 61 17) 4 2 2 3 17 Ø 5 (2)Ø 1 205 4. 3 181084 38 1. 40 **(**<u>/</u>) (2) **(2)** (2) Ø **(**2) 3 3 3 212 3 (2) (2) 21 2 3 (2) Ø (2) (2) 4 181084 36 O80 (2)(2) (2) 2 2 2 (2)Ø 3 37 (7) :::; (2) (2) 1 Ø (2) 35 (2)Ø 1 (Z)4 181084 218 (2) 1 Ø 2  $\mathbb{Z}$ **(2)** Ø (7) 6 219 4 3 181084 36 -34-20 Ø Ø í۸ 12 1 1 5 Ø 181084 39 (2) 5 **Ø** 1. (2) **(2) (2)** 32 (i)Ø Ø Ø (2) (2) 1 220 4. 2 6 (2) (2) 1 123 5 211083 38 30 **Ø** Ø \* (2) (2)24 1 (2) 6 (2) 1 1 (2) 15 2 2 (2) \* \* ₩ ¥ 39 (2) (7) (2) 1. 125 5 1 211083 1 (2) ж. . 16 \* 126 5 211083 35 (Z)20 Ø (2) × (2)(2) 8 (2) (2) Ø 1. \* × \* 1 150 Ø 33 2 5 8 ∦. ¥ ж. ж. ж. 127 5 1 211083 38 Ø Ø (2) у. (2) 1 7 2 3 (Z)(2) 5 211083 39 Ø 70 Ø Ø \* **(**/) (2) 49 4 11. 1. (2) 128 1 Ø (7)14 Ø Ø Ø (2) ¥ ц. ₩. ₩. \* 35 (2) 40 Ø Ø ж. 130 5 1 211083 2 9 \* 59 × Ą. ж. 39 1000 Ø (2) \* (2) (2) Ø 1 \* 132 5 211083 (2) 2 3 1. 2 Ø **(**2) Ø 133 5 (2) 100 Ø 1 \* (2) (7) 37 1 **(2)** 1 211083 38 Ø (2)9 4. ¥. 34 ·¥-139 5 35 (2) 2Ø **(**2) (2) ж. (2) 10 1 1 .14. 1 211083 ₩. 4. ж. ж. 5 211083 37 (2) 10 **(2)** (2) ×-(Z) (2)10 (2) Ø 1 1 34. 141 1 4 2 (2) 23 .3 1 Ø Ø 1 96 5 2 221083 37 Ø Ø **(**2) (2) \* ſЙ **(2)** (2) 7 (2) 250 (Z) (2)52 3 4 8 3 ж. (Z)İ 97 ij 2 221083 39 171 1 Ø \* 3 2 (Z) (2)1 41 (2) 1 81 5 3 231083 36 1 50 0 0 ж. (2) (2) 1 (2) (2) **(Z)** Ø 83 5 3 231083 38 1.50 (Z) (2) (2) (2) (7) (2) Ø 2 (2)10 1 Ø Ø (2) (2) Ø 15 (Z)Ø Ø ij 3 38 (2) **(**/) \* (2)1 (2) 88 231083 (2) (/) 17 Ø 1 Ø Ø 20 **(**2) 174 127 3 231083 35 (2) **(2)** (2)\* (2) 171 8 1 (2) ж. 2 Ø 23 3 2 ξ¢. М. \* \*

1.

175

5

231083

38 10 200

(2) (2) (2)

(7)

176	5	3	231083	35	(2)	*	(2)	(2)	₩.	(2)	Ø	22	(2)	(2)	3	Ø	34	-₩-	*	*	-34-
178	£5	3	231083	37	(2)	30	Ø	Ø	Ø	(2)	Ø	18	2	1	8	(2)	*	*	₩.	*	·¥·
	5	3	231083	39	Ø	*	(2)	Ø	3	Ø	Ø	12	1	4	2	3	*	*	₩.	₩.	*
181					-									•							
1432	6	1	*	38	Ø	10	Ø	(2)	*	(2)	<b>(2)</b>	57	2	1.	2	(2)	(2)	*	*	*	子
1433	6	:L	*	37	Ø	70	(2)	Ø	*	(2)	(2)	26	Ø	(2)	1	Ø	(2)	*	子	*	-34-
720	6	2	24Ø985	39	Ø	450	(2)	(2)	ж.	(2)	Ø	24	1.	1	1.	1	Ø	· <del>\/-</del>	*	¥	₩.
730	6	2	240985	39	Ø	40	Ø	(2)	*	(2)	Ø	32	(2)	(2)	1	2	(2)	-}≰-	.¥.	*	₩-
732	6	2	240985	35	Ø	20	<b>Ø</b>	Ø	*.	(2)	<u>(2)</u>	5	(2)	Ø	Ø	Ø	(2)	*	₩-	*	ᴥ
746	6	2	240785	38	(2)	5	Ø	Ø	*	(2)	Ø	34	1.	2	1.	Ø	Ø	*	₩	¥.	-14-
1220	6	4.	170386	38	(2)	Ø	<b>(2)</b>	(2)	₩.	(2)	Ø	1 🗷	Ø	1	Ø)	(2)	(2)	*	*	-₩-	.¥.
1449	6	4	17386	38	(2)	3	(2)	(2)	₩	(2)	Ø	49	1	(2)	2	(2)	(2)	₩	*	*	₩
1450	6	4.	17386	37	(2)	(2)	(2)	(2)	*	(2)	Ø	29	2	1	(2)	(2)	(Z)	-¥-	×	.¥.	-¥-
1455	6	4.	17386	38	(Z)	40	(Z)	(2)	*	(Z)	(2)	29	1	1	3	3	Ø	*	拼	-¥•	*
			310386	36	-	130					(2)				2	Ø				·¥-	
1213	6	5			(2)		Ø	Ø	*	(2)		61	1	Z			Ø	*	*		*
1216	6	:5	310386	37	*	10	(2)	(2)	*	Ø	Ø	74	1.	1.	2	1	Ø	*	*	·¥·	*
1218	6	5	31Ø386	38	Ø	1 (2)	<b>(2)</b>	Ø	*	(?)	(2)	67	1.	.3	6	1.	(2)	₩.	*	*	*
1225	6	5	310386	38	(2)	Ø	(2)	(2)	-₩-	<b>(2)</b>	(2)	24	(2)	1	(2)	Ø	Ø	₩.	*	*	*
1226	6	5	310386	38	Ø	(2)	<b>(Z)</b>	(2)	-₩-	(2)	(2)	2Ø	(2)	1	1	(2)	Ø	*.	*	*	¥.
1230	6	5	310386	38	*	3	Ø	Ø	*	Ø	Ø	32	Ø	(2)	1.	1	(2)	*	*	-₩-	*
													-								
1234	6	5	310386	36	(2)	1	Ø	<b>(2)</b>	*	Ø	Ø)	38	<b>Ø</b>	Ø	1.	(2)	(2)	*	· <del>¥·</del>	*	·¥·
1235	6	5	310386	37	(2)	Ø	<b>(2)</b>	<b>(</b> 2)	-24-	(2)	<b>(2)</b>	30	5	(2)	Ø	Ø	(2)	*	*	¥	· <del>)/·</del>
22	7	1.	3Ø983	37	(Z)	80	(2)	(2)	₩.	1	Ø	22	4	4	6	3	(2)	10	6	1	Ø
26	7	1	30983	37	1	300	(Z)	(2)	*	1	(2)	27	4	4	4	Ø	(2)	17	.3	(2)	(2)
27	7	1.	3Ø983	38	(2)	300	Ø	(2)	₩	(2)	Ø	56	3	8	3	2	Ø	1.	(2)	(2)	(2)
31	7	1.	30983	37	Ø	100	(2)	Ø	*	Ø	0	1.6	Ø	2	2	(Z)	Ø	6	(2)	1	Ø
159	7	2	281083	35	(2)	80	(2)	Ø	2	1.	Ø	9	7	4.	<b>(2)</b>	(2)	*	-¥•	**	΄¥∙	· <del>X</del> ·
160	7	2	281083	36	(2)	5	(Z)	Ø	7	(2)	<b>(</b> 2)	5	2	(2)	Ø	Ø	*	*	*	₩.	-₩-
162	7	2	281083	37	1	100	Ø	(2)	*	$\emptyset$	(2)	12	8	(2)	1	(Z)	:1	**	*	₩.	***
1.65	7	2	281Ø83	37	(2)	30	(2)	(2)	*	Ø	(2)	8	1.	1	1.	(2)	*	*	**	×	**
270	7	S	100684	35	Ø	50	(2)	(2)	Ø	(2)	(2)	1(2)	2	2	2	3	Ø	1.1.	<b>Ø</b>	Ø	(2)
271	7	3	100684	38	Ø	Ø	Ø	Ø	(Z)	(Z)	Ø	18	1	5	Ø	3	Ø	*	*	*	-₩-
								•													
276	7	3	100684	38	*	80	(2)	Ø	(2)	<b>(2)</b>	(2)	20	Ø	Ø	Ø	3	1.	*	*	*	**
277	7	.5	100684	38	(2)	5Ø	Ø	1.	(2)	Ø	Ø	42	2	4	1	3	Ø	*	*	*	-₩-
391	7	4	170185	36	Ø	20	1	Ø	5	(2)	Ø	1,3	1.	(2)	2	4	(2)	**∙	*	· <b>*</b> ·	₩
394	7	4	17Ø185	38	<b>(</b> 2)	64	(2)	(2)	*	(2)	(2)	35	2	26	(2)	7	(Z)	-₩•	¾.	*	·*·
395	7	4	170185	35	(2)	ᴥ	(2)	Ø	*	(2)	(2)	1 1	1.	2	3	6	<b>Ø</b>	*	*	*	ж.
396	7	-	170185		1	95		Ø	*	(2)	(2)	7	ž	6	E=;	6	Ø	*	*	¥.	- <del>}</del> /-
										W.,									••		
399	7	4	170185			3	<b>(2)</b>	(2)	*	(2)	<b>Ø</b>	9	1.	4	1	2	Ø	*	*	**	*
415	7	4	17Ø185	37		110	(2)	Ø	*	Ű	Ø	10	2	4	4	4	(2)	*	*	*	-₩-
426	7	4	17Ø185	39	Ø	50	(?)	Ø	₩.	(2)	Ø	15	Ø	3	2	Ø	Ø	*	*	*	*
427	7	4	17Ø185	38	(2)	50	(2)	(2)	*	(2)	(2)	1.5	2	2	9	1.	(2)	-¥÷	.14-	₩.	*
439	7	4	17Ø185	39	Ø	200	<b>Ø</b>	(2)	*	(2)	Ø	21	Ø	(Z)	Ø	1.	(2)	*	*	*	*
781	7	5	110985	36		20	(2)	Ø	-}≰∙	Ø	Ø	1.5	8	3	(2)	3	Ø	*	¥	-¥-	- <del>X</del> -
782	7	5	110785	39		300	Ø	Ø	*	Ø)	Ø	29	4	2Ø	8	21	Ø	*	*	*	.^ *\
783	7	5	110985	36		350	Ø	Ø	*	Ø	(2)	21	2	3	(2)	2	Ø	*	子	*	-}{-
784	7	5	110985	36		300	Ø	Ø	*	Ø	(?)	5	3	1	Ø)	3	Ø	*	*	·Ř.	:¥∙
785	7	Ë	110985	39	Ø	350	(2)	Ø	*	(2)	(7)	49	5	5	4	14	(2)	*	*	₩.	*
600	7	6	260485	37	Ø	40	(2)	(2)	*	(2)	(2)	8	1	4	(2)	25	Ø	*	*	*	₩.
603	7	6		37		25		Ø	₩	Ø	Ø	10	1	(2)	1	(2)	Ø	**	*	*	₩-
604	7	6		38		35	(2)	(Z)	*	Ø)	<b>(2)</b>	13	6	4	3	8	(Z)	*	*	*	-¥∙
605	7	6		36		80	(2)	Ø	**	Ø	2	13	4	9	2	15	Ø	*	**	**	*
608	7	6	260485	37	Ø	15	(2)	(2)	*	(2)	Ø	27	6	Q	4.	(2)	(2)	*	*	*	₩-
610	7	6	260485	38	Ø	400	(2)	Ø	₩.	(2)	(2)	50	7	1.1	42	12	1	*	₩.	₩.	-}{-
613	7	6	260485	39		150	(2)	<b>(2)</b>	*	(2)	(2)	24	2	6	1	1.9	(2)	*	*	*	•¥•
615	7	6		35		180	(2)	Ø	·¥-	(2)	Ø	14	2	8	1	7	Ø	*	*	*	-74÷
															2	17					ᴥ
616	7	6		36		150	(2)	Ø	*	(Z)	Ø	6	2	8			1	₩.	*	.¥.	
628	7	6	260485	35		20	Ø	(2)	*	Ø	Ø	1.4	4	7	(2)	6	Ø	*	*	*	₩
629	7	6	260485	37		15		(2)	*	(2)	Ø	6	(2)	(2)	5	1.	1.	₩	*	*	-}{-
633	7	ර	260485	36	(2)	300	Ø	<b>(2)</b>	*	(2)	(2)	24	4	5	5	1.	(2)	*	*	*	₩

											,										
634	7	6	26Ø485	37	(2)	150	(Z)	1	*	(2)	(2)	12	1. 1	Ø	7	9	(2)	*	-¥•	-¥-	₩
635	7	6	260485	35	(2)	90	(2)	(2)	-%∙	(2)	(2)	14	6	3	.3	5	(2)	*	*	*	*
669	7	6	26Ø485	39	Ø	150	(Z)	(2)	₩.	(Z)	(2)	21	1.	Ø	3	9	1	*	*	*	*
676	7	6	26Ø485	36	(2)	500	(2)	(2)	*	(2)	(2)	38	2	9	7	3	Ø	*	*	*⋅	.¥∙
677	7	6	26Ø485	38	1	30	(2)	(2)	₩-	(2)	(2)	5	3	Ø	(2)	(2)	(2)	*	*	-₩-	*
640	7	7	270685	35	(2)	60	(2)	Ø	*	(Z)	(2)	22	•2	4.	3	5	1.	*	*	*	-∺-
641	7	7	270485	39	(2)	50	Ø	(2)	*	(2)	(2)	5Ø	1	7	4	7	(2)	ж.	*	₩.	-₩-
643	7	7	270685	38	(2)	120	Ø	(Z)	*	Ø	Ø	25	2	10	7	9	(2)	*	*	*	*
645	7	7	270685	37	(2)	150	Ø	(Z)	₩	(2)	(2)	48	7	6	5	4	(2)	*	*	· <b>*</b>	*
646	7	7	270/685	39	(2)	20	(2)	(2)	*	(2)	Ø	13	(2)	1	10	2	Ø	*	*	*	-¥-
648	7	7	2701685	39	(2)	200	Ø	(2)	×	(2)	(2)	46	Ø	1	1.2	1.	(2)	· <b>3</b> f-	*	*	*
65Ø	7	7	27Ø685	35	Ø	20	(2)	(2)	¥	(Z)	(Z)	9	3	(2)	(2)	<b>(</b> 2)	(2)	*	*	-₩-	*
651	7	7	270685	38	(2)	125	Ø	<b>(Z)</b>	*	(2)	Ø	33	4	(2)	2	1	(2)	*	*	-¥-	*
652	7	7	270685	35	(2)	50	Ø	(2)	*	(2)	(2)	11	2	3	(2)	1.(2)	Ø	*	*	-}4-	**
859	8	1	120286	36	(2)	1 🛭	Ø	(2)	*	(2)	(2)	9	රා	4	(2)	1.1	1	*	*	光	₩
864	8	1.	120286	38	Ø	500	(2)	(2)	*	(2)	(2)	46	2	37	4	111	3	*	<del>-X-</del>	-¥-	*
865	8	1	120286	35	1.	150	(2)	(2)	*	(2)	(2)	2	Ø	.35	1.	18	(2)	*	₩-	₩-	-₩-
869	8	1	120286	36	(2)	500	(2)	Ø	*	(2)	(2)	14	2	23	7	18	1	*	*	*	.¥∙
873	8	1.	120286	37	(2)	100	(2)	(2)	*	Ø	(2)	8	6	36	1	56	2	*	*	-}{-	*
803	8	2	120286	37	(2)	700	(Z)	<b>(</b> 2)	*	Ø	(Z)	21	8	26	3	78	1.	*	*	*	*
806	8	2	120286	35	(2)	30	(2)	(2)	-¥•	Ø	(2)	5	1	2	1	<b>G</b>	(2)	**	₩	*	*
8Ø8	8	2	120286	36	1	220	(2)	(2)	*	(2)	(2)	12	5	3	2	20	(2)	*	*	*	· <b>X</b> ·
811	8	2	120286	35	1	20	(2)	(2)	*	(Z)	(2)	5	1	13	2	32	Ø	36	长	-}₹•	₩.
812	8	2	120286	39	Ø	700	(2)	(2)	*	(2)	(2)	32	$\tilde{2}$	19	5	36	3	*	*	-¥-	ᴥ
814	8	22	120286	39	(2)	*	Ø	Ø	-34-	Ø	(2)	26	(2)	63	10	130	3	34	*	- <del>X</del> -	*
827	8	2	120286	36	1	20	(2)	(Z)	*	(2)	Ø	5	3	8	Ø	18	1	 -¥∙	₩.	<del>}{</del> •	-14-
834	8	2	120286	36	(2)	100	Ø	(2)	*	(2)	(2)	7	1	10	(Z)	25	1	*	₩.	**	*
838	8	2	120286	39	1	999	(2)	(Z)	*	(2)	Ø	36	7	27	11	89	(2)	·¥·	*	-¥-	·¥·
840	8	2	120286	35	(2)	170	(2)	Ø	*	(2)	Ø	12	1	7	(2)	11	Ø	*	₩.	 ₩	 -} <del>{</del> -
846	8	2	120286	35	(2)	100	(2)	<b>Ø</b>	-¥-	(2)	Ø	3	1	7	1.	8	1	*	*	*	-¥-
848	8	2	120286	35	<b>Ø</b>	300	Ø	Ø	-34-	(2)	(Z)	2	1	2	2	8	2		*	*	*
849	8	2	120286	36	1.	400	Ø	(2)	*	(2)	(2)	5	1	14	2	37	(2)	*	-X+	¥	-¥-
85Ø	8	2	120286	38	1	600	Ø	Ø	*	(2)	(2)	19	Ġ	18	5	52	6	₩	*	*	*
											***	7	,		5-a2	VIII III		••	••	••	
262	4	2	27Ø784	37	(2)	15	(2)	Ø	*	(2)	(2)	15	1	1	Ø	5	(2)	₩.	*	*	·¥·
264	4	2	270784	39	(2)	15	(2)	Ø	₩.	Ø	Ø	27	(2)	Ø	(2)	1	(2)	*	*	*	₩
266	4		270784		Ø	30		Ø	*	(2)	(Z)	17	(2)	1	Ø	Ø	1	4	(2)	(2)	1
268	4	2	270784	39	(2)	200	(2)	Ø	*	(2)	Ø	23	Ø	3	3	Ø	(Z)	*	*	*	*
898	6	3	291185	39	Ø	2500	Ø	Ø	*	(2)	(Z)	60	8	7	59	62	Ø	*	*		ж
1220	6	4	170386	38	(2)	Ø	Ø	(2)	**	(Z)	Ø	10	Ø	1	(Z)	(2)	Ø	*	*	·×·	-X÷
1223	6	4.	170386	39	(Z)	Ø	Ø	(2)	*	(2)	Ø	46	1	<i>2</i> )	1	Ø	Ø	*	·¥		¥
1435	6	4	170386	39	(Z)	Ø	Ø	Ø	.₩-	Ø	Ø	32	1	1	Ø	1	Ø	*	*	¥·	-¥-
1436	6	4		39	Ø	Ø	(Z)	<u></u>	茶	(2)	Ø	63	1	6	1	1	Ø	*	*	 ¥∙	*
1439	6	4	170386	39	₩.	Ø	Ø	1	*	(2)	(2)	72	Ø	1	$\hat{2}$	(Z)	(Z)	*	*	.₩.	·¥·
1445	6	4		39	(2)	Ø	Ø	Ø	*.	<u>(2)</u>	Ø	43	Ø	1	8	(Z)	(Z)	*	*	*	*
1447	6	4	170386	39	(2)	15	Ø	Ø	-34-	Ø	1	14	Ø	1	Ø	(2)	Ø	*	 ¥	.; .¥∙	*
1453	6	4		39	(2)	Ø	Ø	Ø	₩	(2)	Ø	33	Ø	Ø	5	(Z)	(2)	*	.¥-	*	·*·
1214	6	5	310386	38	(2)	Ø	(2)	Ø	*	<i>(</i> 2)	(Z)	42	Ø	1	1	Ø	1	·*·	 <del>∦</del> -	*	*
1215	6	5		39	(2)	30	Ø	Ø	*.	(Z)	Ø	47	Ø	Ø	1	<b>Z</b> )	Ø	*	*		-X-
1228	6	5	310386	39	(2)	Ø	(2)	Ø	*	Ø	Ø	24	Ø	Ø	Ø	(Z)	Ø	*	*	*	34
14Ø9	6	5		39	(2)	Ø	Ø	Ø)	*	<u>(2)</u>	Ø	48	Ø	Ø	(2)	(2)	Ø	*	*	*	*
1431	6	5		39	(Z)	Ø	Ø	Ø	.×	Ø	(2)	29	(Z)	Ø)	2	1	(Z)	*	<del>**</del>	*	-74°
1432	6	5		38	Ø	10	Ø	Ø	*	Ø	Ø	57	2	2) 1	. <u>.</u> 1	(2)	Ø	γr <del> }</del> -	*	- <del>X</del> ∙	₩.
1433	6	5		37	Ø	70	Ø	Ø	*	Ø	Ø	26	.z. (2)	(2)	1.	Ø Ø	(2)	*	** * <del>`</del>	¾. ₩.	.¥-
154	7	2		39	Ø	600	Ø	(Z)	*	(Z)	(Z)	34	Ø Ø	3	ı. 15	13	12) **				
156	7	2	281083	39	1	50	Ø	(2)	*	Ø	Ø	12	1			2	:74° -}4∙	*	<del>∦</del> ¥	*	*
158	7	2		39	Ø	100	Ø	Ø	1	(Z)	(2)	20	.i.	6 Ø	1. 1.	.Z (2)	(2)	**		*	*
163	7	2	281083		(Z)	250	Ø	(Z)	7. T	(Z)	(2)	<i>20</i>	3		7	ю 3			₩.		:#: :¥:
164	7	2	281083		Ø	10	Ø	(Z)	≫ **	(2)	Ø	3	ن 4	(2) (7)			( <u>/</u> )	.₩. :.w.	<b>₩</b> .sc.	.¥.	
.L C.J T	,	٠	ara tak ak Sak Cak cak	7	ď.)	3, 40	9.J	Ly	æ.	W)	K.J	ال.	~ <b>t</b>	Ø	Ø	Ø	*	*	*	·¥·	*

167	7	2	281Ø83	39	Ø	20	(2)	<b>(Z)</b>	*	(2)	(2)	16	.3	1	4	2	*	*	*	*	
272	7	3	100684	39	(2)	250	(2)	(2)	*	(2)	1	19	1	83	10	2	(2)	*	*	₩.	
398	7	Z}.	170185	39	(2)	100	Ø	(2)	*	<b>(</b> 2)	(2)	22	1	(2)	4.	22	<b>(</b> 2)	₩	₩	*	
4(0(2)	7	4	17Ø185	39	1.	8	Ø	(2)	*	Ø	(2)	20	55	16	6	6	(2)	*	*	*	
406	7	4	170185	39	(2)	5Ø	(2)	(2)	1	(2)	Ø	23	1	6	6	9	(2)	*	₩	*	
409	7	4	170185	39	(2)	600	(2)	(2)	7	(2)	(2)	9	8	1.5		3	(2)	<del>-14.</del>	₩.	₩	
414	7	4	170185	39	Ø	20	(2)	(2)	•}{-	Ø	(2)	1.7	3	(2)	(2)	5	(2)	₩.	*	₩.	

Table 3. Numbers of parasites in large  $\underline{H}_{\star}$  atlanticus (40 to 48 cm LCF) from Australia.

441	1	2	91184	42	(2)	20	Ø	Ø	*	Ø	(2)	16	1	Ø	(2)	1	1	*	₩.	₩	4%
443	1.	.2	91184	48	(2)	1800	(2)	(2)	***	(Z)	(2)	73	5	9	15	7	Ø	-}{-	**	*¥:	K
445	1	2	91184	43	(2)	400	(2)	<b>(</b> Z)	**	(2)	(2)	43	5	(2)	5	3	Ø	*	-¥-	**	关
446	1.	2	91184	43	(2)	*.	(2)	3	j.	Ø	(2)	65	5	2	7	7	Ø	₩	*	*	₩
447	1	2	91184	43	(2)	20	(2)	(2)	*	Ø	<b>(</b> 2)	47	1.	17	3	5	(2)	₩.	*	₩.	¥
448	1	2	91184	40)	(2)	*	(2)	(2)	*.	(2)	(2)	17	2	(2)	(2)	1.	.5	*	*	*.	•₩-
450	1	2	91184	46	Ø	Š	(2)	(2)	*	(2)	(2)	9	(2)	(2)	Ø	(2)	2	¥·	₩·	₩.	*
453	1.	2	91184	4(2)	(2)	(2)	(Z)	(2)	*	(2)	<b>(Z)</b>	6	Ø	(2)	(2)	1.	5	*	<del>}</del> i:	-₩-	**
454	1	2	91184	42	(2)	300	(2)	(Z)	4	<b>(</b> 2)	Ø	18	S	22	(2)	1	Ø	-¥:	*	*.	*
456	1.	2	91184	43	(2)	500	(2)	(2)	*-	(2)	(2)	42	1.	1.	1. 1.	1.00	1.	1	1.	<b>(Z</b> )	(Z)
457	1	2	91184	40	(2)	200	1	(2)	•¥∙	(2)	Ø	4(2)	2	1	12	22	1	<b>(</b> 2)	(2)	(2)	
459	1.	2	91184	46	(2)	300	(2)	<b>(</b> 2)	1	(2)	<b>(</b> 2)	123	1.1	1.	41	6	(2)	*	₩.	*	*
461	1	2	91184	41	(Z)	60	(2)	(2)	•¥-	(2)	Ø	46	27	Ø	22	2	Ø	*	₩.	*	¥
464	1.	22	91184	40	(2)	70	(2)	1	*	(2)	<b>(</b> 2)	22	(2)	Ø	1	1.	(2)	*	*	₩.	*
469	1	2	91184	40	(2)	25	Ø	(2)	5	(2)	(2)	3Ø	3	Ø	1	2	<b>(2)</b>	7	Ø	<b>(Z)</b>	<u> </u>
474	1	3	101184	41	Ø	20	(2)	(2)	*	(2)	<b>(2)</b>	21	2	1.	3	3	<b>(</b> 2)	*	₩	₩	**
479	1	3	101184	40	Ø	300	(2)	<b>(2)</b>	**	(2)	1	136	15	100	6	2	2	•¥∙	*	*	*
485	1.	3	101184	44	(2)	180	1	(2)	*	Ø	1.	193	8	5	78	8	3	14.	*	*	*
490	1	.3	101184	43	(2)	600	(2)	1.	•¥∙	Ø	Ø	59	1(2)	Ø	7	5	<b>(2)</b>	5	(2)	Ø	1.
559	1.	3	101184	40	1	50	<b>(</b> 2)	(2)	**	<b>(</b> 2)	(2)	28	2	1	(2)	5	1	*	₩.	*	**
562	1	3	101184	44	(2)	2000	(2)	(2)	₩	(2)	(2)	115	8	5	3	6	1	-34-	*	*	₩.
563	1.	3	101184	43	(2)	2000	(2)	(2)	*.	Ø	(2)	33Ø	18	6	55	35	(2)	*	*	-}€-	茶
565	1	3	101184	4(2)	(2)	1.00	(2)	Ø	•₩-	(2)	<b>(2)</b>	82	8	1	1	2	(2)	₩	¥	-₩-	*
579	1	4	121184	40	Ø	15	Ø	(2)	**	Ø	(Z)	26	6	(2)	12	Ø	(2)	*	*	₩.	₩-
582	1	4	121184	41	Ø	550	(2)	<b>(</b> 2)	*		12	62	3	5	8	2	1	-}€-	*.	*	₩.
595	1.	4.	121184	4Ø	(Z)	180	(?)	(2)	<b>₩</b>	(2)	(2)	29	5	1	1.	(2)	(2)	*	₩.	• <b>K</b> ·	-₩-
596	1	4	121184	41	(2)	999	(2)	1.	*	(2)	Ø	62	5	Ø	.2	(2)	Ø	·¥·	¥	•₩-	*
597	1	4	121184	40	(2)	900	(?)	Ø	**	(2)	(2)	71	14	(2)	33	4	Ø	*	₩	₩.	¥
598	1	4	121184	41	(2)	70	(2)	<b>(</b> Z)	*	Ø	(2)	62	4	Ø	1 (2)	1	<i>z</i> ‡	*.	₩.	*.	*
757	1.	4	121184	42	(2)	200	Ø	Ø	*	(2)	<b>(2)</b>	74	1. 1.	Ø	12	1.	1	₩.	•₩:	₩.	×
690	1	5	30/685	41	Ø	400	(2)	<b>(2)</b>	*	(2)	(2)	40	10	(2)	4	7	1	×	-₩-	*	₩
7Ø4	1.	5	30685	41	Ø	1300	Ø	<b>(2)</b>	*	Ø	<b>(</b> 2)	133	35	<b>(</b> 2)	41	7	(2)	*¥:	*	₩.	₩

i. V <sup>E</sup> gi																					
	"" (A C)	4	LEST:	72 (7) A (3) EE	A 626	"A "") 4.0	ክ <i>ር</i> ንነ	CO.	M.	(7)	Ch	<del>-7</del> 7.7-5	4	(A	Ä	4	4	м.	.54.	.v.	,
	709 710	1 1	5 5	3Ø685 3Ø685		2 2 1 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2			-∯- -}¥-	(2) (2)	(2) (2)	72 134	1 29	Ø 2	4 22	1 30	1 1	*	*.	*	4
	712	1	5	3Ø685		0 1000 0 1200			*		(Z)	170	13	2	52	10	Ø	*	*	*	4
	713	1.	5	30685		Z 1200 Z 800			₩.	(2)	1.	97	6	4	22	7	(Z)	*	*	*	4
	715	1. 1	5			0 900 0 900			*	(2)	(Z)	153	13	1	18	8	4	. <del>X</del> .	*	*	, ;
	496	2	3	311084		2 700 1 370			长	(2)	(Z)	37	5	2	27	7	Ø	*	<del>.</del> ∀	-₩-	
	519	2	3			2 180			*	(2)	(2)	43	2	Ø	3	1	1	*	<b>₩</b>	*·	4
	523	2	3			2 330 2 330			*	(2)	(2)	38	1	9	3	6	(2)	*	₩.	-₩-	4.
	537		3	311084		0 350 0 350			-34	(2)	(2)	39	1	Ź	16	8	<b>Ø</b>	*	*.	<del>.</del> ¥.	Y.
	539	2	3	311084		250 250			*	Ø	Ø	27	1	1	. 5	1	(2)	*	• <b>X</b> ·	*	×
	285	2	4	151284		J 300			1	Ø	Ø	51	4	4	11	4	Ø	 ¥	*	₩	¥
	292	2	4.	151284		1 40			1	(2)	(2)	55	2	3	4	Ø)	(Z)	-}⊀-	₩.	*.	*
	298	2	4	151284		D 100			1.	(Z)	(2)	43	 Ø	5	ద	6	Ø	 Ø	1	(2)	į.
	299	2	4.	151284		0 200 0 200			1.	(2)	(2)	35	2	2	9	3	Ø	₩.	-₩-	¥	*
	309	2	4	151284		1 150			(2)	(Z)	(2)	18	2	(2)	<i>(</i> 2)	2	Ø	1	1	 Ø	
	111	3	1	121083		d 20			**	(2)	(2)	5	Ø	1	(2)	Ø	*	*	₩.	₩.	# - <b>#</b>
	112	3	1	121083		Z) 1.2			-¥-	Ø	Ø	20	4	(Z)	8	2	*	<del>.</del> <del>K</del> .	*	*.	 -¥€
	1.45	3	1	121083		0 200		Ø)	*	(2)	(2)	25	1	(2)	2	Ø		₩	*	*.	*
	151	3	1.	121083		1 150			*	(2)	Ø	14	1	Ø	2	1	*	₩.	*	- <del>X</del> -	•⊁
	70	3	2	131083		 2 800			*	(2)	(2)	30	Ø	2	3	1	(2)	1	1	Ø	(2)
	72	3	2	131083		0 1500			*	0	Ø	67	(2)	8	3	4	(2)	11	Ø	<b>Ø</b>	3
	76	3	2	131083		7 2000		(2)	*	(2)	(2)	47	1	5	19	8	(Z)	6	(2)	(2)	0
	95	3	2	131083		1 150			*	Ø	Ø	19	Ø	1	1	Ø	1	5	5	3	3
	99	3	2	131083		a 50		(2)	*	(Z)	(2)	10	(2)	2	21	2	(2)	<b>(</b> 2)	1.	(2)	(Z)
	101	3	2	131083		ð 150			*	Ø	(2)	34	1	(2)	4	Ø	Ø	7	11	(2)	23
	103	3	2	131083		1 2500		(2)	*	(2)	(2)	4.4.	2	4.	9	2	1	(2)	2	(2)	(2)
	106	3	2	131083	4(2)	D 100		Ø	*	Ø	(2)	23	1.	2	6	2	(2)	4	(2)	(2)	22
	107	.3	2	131083	44	0 2000	) (2)	(2)	*	<b>(</b> Z)	(2)	82	Ø	1.	44	4	(2)	1	(2)	(Z)	1.1
	1Ø8	3	2	131083	42	ð 150	) (2)	(2)	*	(2)	(2)	19	1	2	5	5	*	*	*	**	₩
	113	3	2	131083	40	D 1300	) (2)	(2)	**	(2)	(2)	17	3	4	6	5	(2)	12	(Z)	(2)	(2)
	116	3	2	131083	4(2)	D 900	0 (2)	(2)	*	(2)	(2)	48	(2)	2	2	2	•¥∙	*	* *	*¥∙	₩:
	118	3	2	131083	41	ð 50	(2)	(2)	**	(2)	(2)	38	(2)	3	7	1	1.	2	(2)	<b>(</b> Z)	.3
	120	3	2	131083		Z 1.000		(2)	*	Ø	Ø	26	. 2	(2)	<b>(</b> 2)	3	*	*	*	**	₩
	340	4	1	200684		1 60		<b>(2)</b>	5		(2)	23	(2)	2	9	(2)	(2)	₩.	*	*	×
	341	4	1.	200684				<b>(2)</b>	1.	<b>(</b> 2)	(2)	55	(2)	6	13	3	(2)	-₩-	*	<b>*</b> K·	*
	342	4	1	200684		ð 150		1	(2)	Ø	(2)	43	(2)	1	3	7	(2)	*	*	<b>₩</b>	₩
	346	4	1	200684		Z 250			3		Ø	37	(2)	6	17	4	(2)	*	*	•₩-	¥
	350	4	1	200684		0 120		(2)	1	(2)	(2)	23	<b>(</b> 2)	1.	5	3	(2)	*	*	*	- K
	354	4	1	200684		D 100			(2)	Ø	(2)	28	Ø	(Z)	16	16	Ø	*	*	*	*
	355	4	1	200684		2) 1(2)(			(2)	(2)	(2)	23	(2)	2	1	7	Ø	*	*	<b>₩</b> .	¥
	357	4	1	200684		Z) 60			6	Ø	(Z)	32	Ø	ij	10	13	(Z)	*	*	₩.	*
	360	4	1	200684		ð 24			1	(Z)	(2)	24	2	3	8	(Z) 41	Ø	₩.	*	¥.	<b>₩</b>
	363	4	1.	200684		Z 200			(2)	Ø	(2)	29	2	1	4	4	Ø	*	*	*	**
	379	4	1	200684		ð 20			*	(Z)	(Z)	61 os	3	2	8	2	(Z)	₩. #:		₩· <i>(7</i> )	₩ O
•	381	4	1	200684		Z) 90			6	(Z)	Ø	85	3	5	3	8	Ø	5	Ø	Ø	(Z) ×
	383 386	4	1	200684 200684		2) + 2 50			*· Ø	(Z)	20	39 27	1 1	Ø 1	2	1. ca	Ø Ø	* 1.(2)	* Ø	*· (2)	* 1
		4	1							(2) Ca						(Q)				长	-¥- .⊤
	389 39Ø	4 4	1 1	200684 200684		7) 150 2) →		(Z) (Z)	*	Ø	(2) (2)	33 42	5 1	1 3	1.	20	Ø Ø	*	₩ ₩	₩.	**
	261	4	2	270784		a 7 B Q		(Z)	<del>7</del> . Ø		(Z)	40	1 5	2	6 5	6 2	(2)	2	(2)	70 (2)	(Z)
	263	4.	2	270784		2) 1(2)(			1	(Z)	(Z)	36	5	<u>.</u> 1	3	4. 4	1	.el. **	<i>€.)</i> ₩	• <del>X</del> ·	₩.J
	265	4	2	270784		o . w.c O 10			(Z)	Ø	(Z)	43	i	1.	18	(Z)	Ø	-₩-	*	*	*
	267	4	2	270764		o 14 0 120			2		(2)	44	1	1	11	(Z)	Ø	*	*	*	*
	269	4	2	270784		o 120 0 50		(2)	Ø	(2)	(Z)	25	Ø	6	2	17	1	(2)	(2)	 (Z)	(2)
	193	4	3	181084		0 2000			*	Ø	3	15	1	1.	18	5	*	- <del>K</del> -	₩.	- <del>K</del> -	*
	194	4	3	181084		0 100°			Ø	<b>(</b> 2)	Ø	32	2	4	2	4	(2)	4	(2)	(2)	(Z)
	195	4	3	181084		ð 1500			(Z)	Ø	(2)	42	2	4	17	1	*	*	*	*	<b>*</b>
	197	4	3	181084		7 200			1	(2)	(2)	10	1	j.	5	3	*	₩.	*.	*	*
	198	4	3	181084		ð 150			(2)	(2)	(2)	63	(2)	13	1.55	1	*	*.	*	₩.	*

6																					
199	4	3	181Ø84	40	(2)	50	(2)	(2)	(2)	(Z)	(Z)	31	(2)	2	1.	(2)	•}{-	*	¥	₩.	•
203	4	3	181084	40	Ø	5	Ø	1.	(2)	(2)	(Z)	20	1.	(2)	2	2	(2)	*	*.	*	4
204	4	.3	181084	44	<b>(2</b> )	₩.	Ø	<b>(Z)</b>	Ø	(2)	Ø	42	(2)	22	10	(2)	(2)	¥	*	-¥-	•
208	4	3	181084	41	(2)	(2)	(2)	(2)	Ø	(2)	<b>(</b> 2)	21	2	(2)	(2)	1.	Ø	Ø	Ø	<b>(</b> 2)	7.
210	4	3	181084	4(2)	<b>(</b> Z)	4()	(2)	(2)	<b>(2)</b>	(2)	Ø	38	2	Ø	8	1	Ø	2	(2)	<b>(</b> 2)	
211	4	3	181Ø84	41	<b>(</b> 2)	100	(2)	<b>(2)</b>	(2)	(2)	(2)	41	3	4	10	3	<b>(2)</b>	1.	1	Ø	f: 3.
215	4	3	181084	43	(2)	400	<b>(2)</b>	<b>(</b> 2)	(Z)	(Z)	(2)	61	1	1.	46	<b>(</b> 2)	Ø	3	Ø	<b>(</b> 2)	
216	4	3	181Ø84	41	(2)	70	(2)	(2)	2	(2)	(Z)	74	(2)	3	15	8	(Z)	3	2	(2)	Ξ.
217	4	3	181084	4(2)	(2)	80	Ø	Ø	1	(Z)	(Z)	46	(2)	2	6	3	Ø	3	Ø	<b>(</b> 2)	Ø
124	5	1.	211083	41	Ø	50	(2)	(2)	*	(2)	<b>(</b> )	42	2	3	22	26	*	*	₩	*	+
129	5	1	211083	42	(2)	300	Ø	Ø	¥	(2)	Ø	35	1.	Ġ	68	6	-¥-	*	₩.	**	<del>-}</del>
131	ij	1.	211083	40	(Z)	300	<b>(</b> 2)	(2)	*	Ø	(2)	14	2	4.	6	2	*	₩·	长	¥·	4
134	5	1.	211083	41	(2)	*	(2)	1	*	Ø	<b>(2)</b>	34	Ø	(2)	1	2	<del>-X-</del>	*	¥.	*	7
135	S	1.	211Ø83	40	(2)	*	<b>(</b> 2)	(2)	*	(2)	<b>(Z)</b>	22	2	1.	2	Ø	*	*	*	₩.	¥
136	5	1	211083	4(2)	1.	100	Ø	1	*	Ø	(2)	24	<b>Ø</b>	14	3	9	**	*	*	*	*
138	ij	1.	211083	42	<b>(</b> 2)	60	(2)	(2)	*	(2)	(2)	45	4	5	25	5	(Z)	5	3	2	Q.
142	5	j.	211083	41	(2)	300	(2)	<b>(2)</b>	₩.	(2)	Ø	80	(2)	1	37	2	*	*	*	- <del>K</del> -	×
80	5	3	231083	42	(2)	600	(2)	<b>(2)</b>	*	(2)	Ø	63	(2)	3	9	3	Ø	4	(2)	<b>(2)</b>	2}
82	5	3	231083	44	(2)	50	<b>(2)</b>	(2)	*	Ø	Ø	37	2	1	cò	5	Ø	7	2	(2)	1
86	ij	3	231083	45	(2)	3000	(2)	(2)	*.	(2)	(2)	68	3	8	18	4.	(2)	6	(2)	1	al.
89	5	3	231083	40	(2)	5	(2)	Ø	*	Ø	(2)	10	(2)	Ø	Ø	1.	Ø	18	(2)	1	Ø
91	5	3	231083	42	(Z)	200	(2)	(2)	*	1	(2)	27	Ø	Ø	13	4	(2)	2	Ø	2	4]
177	5	3	231083	42	(Z)	300	Ø	Ø	*	(2)	(2)	70	2	6	1	5	*	*	¥-	₩.	*
182	5	3	231083	40	(2)	2	Ø	(2)	*	(2)	(Z)	12	2	3	(2)	Ø	*	· *	*	<del>茶</del> ·	**
1417	6	1.	*	42	(2)	30	<b>(</b> 2)	(2)	**	(2)	(2)	99	8	3	5	<u>~</u>	Ø	*	*	₩.	₩
1419	6	1.	·¥-	44	Ø	3	Ø	(2)	₩.	(2)	(2)	42	(Z)	1	15	<b>(</b> 2)	(2)	*	*	*	*
1420	6	1	*	41	·¥·	999	(Z)	<b>Ø</b>	*	(Z)	Ø	70	Ø	(2)	12	Ø	1.	*	*	*	*
1421	6	1	*	46	Ø	Ø	(Z)	(2)	*	<b>(2)</b>	1	109	3	Ø	10	2	Ø	*	*	*	*
1422	6	1	*	41	(Z)	(Z)	Ø	Ø	*	Ø	(Z)	54	6	(2)	(Z)	(2) C2	(Z)	*	*	*	*
1423	6	1	*	43	Ø	Ø	(Z)	(2)	*	(Z)	(2)	61	Ø	(2)	Ø	<b>Ø</b>	Ø	*	-₩	*	₩. 
1424	6	1	*	42	₩.	Ø	(Z)	(Z)	*	(Z)	(2)	69	1	Ø	1	Ø	(Z)	*	*	₩.	*
1425	6	1	*	42	(Z)	(Z)	Ø	(Z)	*	(Z)	1 Ø	114	Ø)	2	(2) 4	(Z)	(Z)	*	*	*	*
1426	<i>6</i> 5	1	*	42	(Z)	(2)	Ø	(Z)	*	(Z)		77	(2)	Ø	2	Ø	(Z)	¥.	*	**	- 桜
1427	6	1.	**	44	*	(Z) (Z)	(Z)	(2) (2)	*	(Z)	Ø	6Ø	Ø	1	9	(Z)	Ø		*	关	
1428 1429	65	1	*	42	* Ø	Ø	(2)		*	(Z)	Ø	57 78	3 2	Ø 2		(2) 4.	(Z)	*	*	**	* *
	6	1	*	41 41	(Z)	(2)	(Z)	Ø Ø	*	(Z)	(Z)		 Ø		1	•	Ø Ø		<b>*</b> €	-¥⊹ -¥⊹	
1430	6	1	*			Ø	(2)		*	(Z)	(Z)	83		Ø	2	Ø		₩.	<del>∦</del> .	- <del>%</del> -	*
1434	6	1	* • 4000E	4Ø 44	Ø	4 2500	Ø	Ø 1	*	(2) (2)	Ø Ø	68 1Ø1	Ø 9	Ø	37	1 41	Ø	*	*	*	*
716 734	6	2	24Ø985 24Ø985	44	Ø	<i>¥</i> .	(Z)	, Ø	*	Ø	(Z)	136	9	8	83 37	13	1 3	<del>/</del> ¥∙	₩.	*	- 7× -∰-
735 735	6 6	2	240765	42	(Z)	600	Ø	0	*	(Z)	1	26	7 Ø	1	15	5	1	*	*	*	*
737	6	2	240785	40	(Z)	<u>(., 67 €7</u>	(Z)	Ø	*	Ø	(Ž)	26	1.	2	. (2)	(2)	(2)	*	- <del>-</del>	*	*
738	6	2	240985	41	(Z)	120	(2)	Ø	*	(Z)	Ø	57	4. 22	10	(2)	50	(2)	₩.	₩.	-¥-	×
740	6	2	240985	43	Ø	150	(2)	Ø	*	(Z)	(2)	25	3	1	(Z)	6	1	*	· <del>.</del>	·¥:	·*
741	6	2	240985	41	Ø	350	(2)	(2)	*	Ø	(2)	62	(Z)	4	2	4(2)	1	 ¥	*	*	₩.
742	6	2	240985	43	(2)	20	Ø	(Z)	*	(2)	(2)	10	1	ø.	1.	1	Ø	*	*	*	<b>.</b> ∺
743	6	2	240985	45	<b>(</b> 2)	*	(2)	Ø	*	(2)	(2)	86	5	6	14	20	(2)	*	*	•₩•	•¥-
744	6	2	240985	44	Ø	*	<b>(</b> 2)	(2)	*	(2)	Ø	38	1.	3	2	11	(2)	*	*	*	₩.
881	6	3	291185	4(2)	(2)	*	Ø	(2)	*	Ø	(2)	273	6	12	151	24	(2)	*	*	-₩-	*
885	6	3	291185	45	<b>(</b> 2)	1500	(2)	(2)	*	(2)	(2)	217	7	5	211	47	(2)	*	*	₩.	*
899	6	3	291185	40	Ø	2200	(Z)	Ø	*	(2)	(2)	60	8	7	59	62	(Z)	*	*	<b>-</b> ¥·	*
1221	6	4	170386	41	(2)	Ø	Ø	Ø	₩.	(2)	(2)	6	2	Ø	Ø	Ø	<u>2</u>	×	*	*	茶
1222	6	4	170386	42	*	Ø	Ø	(2)	*	(2)	Ø	8	1	Ø	Ø	4	<b>Ø</b>	*	*	¥.	*
1437	6	4	17386	42	(2)	*	(Z)	Ø	*	(Z)	(2)	62	Ø	Ø	14	2	Ø	*	*	*	*
1438	6	4	17386	42	(Z)	₩	0	(Z)	*.	Ø	(2)	51	1	Ø	2	Ø	(Z)	*.	-¥∙	*	*
1440	£)	4	17386	41	(2)	1 🛭	Ø	1.	×	(Z)	1	58	Ø	(2)	(2)	1	(2)	<del>-){</del> ·	*	•}{-	<b>¾</b> .
1441	6	4	17386	40	₩.	1 (2)	Ø	(2)	· <del>K</del> ·	(Z)	(2)	43	1	Ø	1.	Ø	Ø	*	*.	•¥∙	-₩-
1442	6	4	17386	43	(2)	Ø	(Z)	(Z)	*	Ø	(2)	116	1.	1	, ,	(2)	(2)	*	*	*	<b>-</b> ¥-
1443	6	4	17386	41	**	100	(Z)	Ø	*	Ø	(2)	65	(Z)	(2)	(Z)	Ø	Ø	*	*	-¥·	*
		-													****		***				

· · · · · · · · · · · · · · · · · · ·																						
	1444	6	4	17386	44	(2)	*	Ø	<b>Ø</b>	*	Ø	Ø	58	(2)	Ø	20	1	(2)	*	长	长	4
	1446	6	4	17386		Ø	Ø	Ø	(Z)	*	(Z)	Ø	70	(2)	Ø	1	2	(2)	¥	*	*	4
	1448	6	4	17386	42		Ø	(2)	<b>Ø</b>	- <del>1</del> 4-	Ø	Ø	77	(2)	Ø	10	Ø	Ø	*	4	*	3
	1451	6	4	17386	44	(2)	<del>'X</del> -	(2)	Ø	*	(2)	Ø	59	(Z)	2	1	Ø	Ø	*	*	*	·}.
	1454	6	4	17386		₩.	Ø	(2)	(2)	*	(2)	Ø	94	Ø	Ø	1	(2)	(2)	<b>3</b> €	*	•¥∙	4
	1217	6	5	310386	40	**	10	(2)	(2)	*	Ø	(Z)	64	6	8	5	1.	Ø	*	*	*	4
	1219	6	;;;j	310386		<b>Ø</b>	4(2)	(2)	(2)	*	(2)	Ø	58	(2)	4	1	1	(2)	*	¥	¥·	÷
	1224	<i>6</i> 5	5	310386	40	Ø	(2)	(2)	<b>(</b> 2)	*	(2)	1	64	1.	Ø	3	Ø	(2)	*	*	₩.	*
	1229	6	5	310386		(2)	(2)	<b>(</b> Z)	<b>(</b> 2)	*	(2)	Ø	76	Ø	Ø	11	3	(2)	*	*	**	¥
	1231	6	(5)	310386		ж.	Ø	(2)	(2)	*	(2)	Ø	57	(2)	Ø	2.	1	(2)	*	₩	₩.	¥
	1232	6	5	310386		Ø	Ø	(2)	(2)	*	<b>(</b> Z)	Ø	45	(2)	Ø	<b>(</b> Z)	(Z)	(2)	*	*	-¥∙	÷
	1233	6	5		43	<b>(</b> 2)	Ø	(2)	(2)	*	(2)		65	2	(2)	1	(2)	(2)	*	*	*	Ť
	1236	6	5	310386	4(2)		Ø	(2)	(2)	*	(2)	(2)	70	5	1.	21	(2)	(2)	**	**	*	4
	1400	6	5	31386			Ø	<b>(</b> 2)	Ø	′-¥-	(2)	Ø	85	1.	Ø	27	2	(2)	*	*	*	*
	1401	6	5	31386		<b>(</b> 2)	Ø	<b>(</b> 2)	(2)	*	Ø	Ø	70	(2)	<b>(2</b> )	2	(2)	(2)	*	<del>-X</del> -	-¥-	*
	1402	6	5	31386			Ø	(2)	<b>(2)</b>	₩.	(2)	Ø	53	1	3	3	1	<b>(</b> 2)	<del>-}</del> {·	**	₩.	₩
	1403	6	5	31386	42		Ø	(Z)	(2)	*	(2)	Ø	110	Ø	Ø	1.	Ø	Ø	*	*	<b>%</b> -	K
	1404	6	5	31386			(2)	Ø	Ø	.¥.	Ø	Ø	87	(Z)	1	Ø	(2)	(2)	·¥·	*	₩.	<b>*</b>
	1406 1407	6	5	31386 31386		-∯r Ch	Ø	(2)	Ø	*	Ø	Ø	107	(2)	2	7	(2) C*	(2)	长	*	₩.	₩.
	1408	6 6	5 5	31386		Ø	2 Ø	(Z) (Z)	Ø	*	Ø	Ø	100	2 2	2	6	Ø	(Z)	*	<b>₩</b>	*	*
	1410	6	5	31386		(Z)	Ø	(2)	(Z)	*	Ø	Ø	61 49		1 1	1 2	Ø	(2)	*	*	₩	¥
	1411	6	5	31386		(2)	(2)	(2)	(Z)	**	(Z)	Ø	36	1 Ø	Ø	2. 7	1. Ø	Ø Ø	**	77: **	₩.	*
	1412	6	5	31386		₩.	999	(2)	2	*	(Z)	(Z)	86	2	Ø	1	1.	(2)	*	*	*	*
	1413	6	5	31386		Ø	*	(2)	Ø	-X-	(2)	Ø	85	(Z)	3	15	<i>1.</i> Ø	(2)	*	*	*.	*
	1414	6	5	31386		Ø	 Ø	Ø	Ø	*.	(2)	(2)	63	2	1	1	Ø	Ø	*	*	*	₩
	1415	6	5	31386		(2)	1	(2)	(2)	*	(2)	Ø	7Ø	(2)	Ø	4	Ø	(2)	*	-₩-	*	-}≪
	1416	6	:::j	31386	41	Ø	*.	(2)	(2)	₩.	(2)	Ø	81	2	2	10	<b>Ø</b>	(Z)	*	*	*	¥
	29	7	1.	30983	41	(2)	500	(2)	(2)	•₩-	Ø	(2)	32	6	6	9	2	Ø	2	<b>(</b> 2)	(2)	(2)
	153	7	2	281083	40	1	300	(Z)	(2)	*	(2)	Ø	14	3	1	1	3	(2)	3	1	1 5	Ø(Z)
	155	7	2	281083	40	(Z)	1000	(2)	Ø	*	(2)	(2)	12	2	3	2	1.	•₩-	*	长	₩	*
	157	7	2	281083	42	Ø	200	(2)	(2)	22	1	<b>(</b> Z)	32	1	1	1.	6	-¥-	<del>.</del> ¥∙	*	4¢.	*
	166	7		281083	41	(2)	800	(2)	(2)	*	(2)	<b>(</b> 2)	9	13	1.	1 (2)	2	*	*	₩.	**:	*
	169	7		281Ø83			300		(2)	*	(2)	(2)	23	5	4	3	3	1	1.	Ø	(2)	(2)
	17Ø	7	2	281083	43	(2)	100		(2)	₩	Ø	(2)	57	7	8	10	9	*	*	*	*	*
	273	7	3	100684	41	(2)	200	(Z)	(2)	1	(2)	(Z)	24	(2)	1	13	1.	<b>(2</b> )	*	*	₩	-₩
	274	7	3	100684	4(2)	(2)	100	Ø	Ø	(2)	Ø	Ø	15	1.	Ø	6	22	(Z)	*	<b>·</b> ∺·	*₩-	*
	275	7	3	100684		Ø)	80	(2)	1	7	(2)	Ø	27	(2)	3	9	2	(2)	(2)	3	Ø	4
	278	7	3	100684	41	Ø	10	(2)	(2)	1	<b>(</b> 2)	(2)	84	1.	5	11	.3	Ø	*	*	₩.	*
	279	7	3	100684	41	(Z)	20	(Z)	(2)	Ø	(2)	(Z)	32	4	1.	3	2	(2)	₩.	*	*	-¥-
	28Ø 281	フフ	3 3	100684 100684		Ø	30	Ø Ø	(Z) (Z)	1 9	(2) (2)	Ø 1	23 10	2 Ø	6 2	5 3	1 4	]. cz	* 2	* (2)	<b>*</b> €	4
	393	7	4	170185		(2)	250	(Z)	(Z)	7 *	Ø	<i>1.</i> (2)	44	15	7	31	7	Ø	** **	长	(Z) *	*
	397	7	4	170185		1	#: \/ \&/	Ø	Ø	*	(Z)	Ø	25	1. CJ	3		Ś	(2)	₩.	*	₩.	₩.
	4Ø1	7	4	170185		Ø	100	(2)	Ø	22	(2)	(Z)	18	6	5	4	4	(2)	 -¥	*		-₩
	402	7	4	170185		Ø	60	(2)	(2)	*·- ·	(Z)	1	42	4.	9	15	11	(2)	*	*	*	₩.
	403	7	4	170185		(Z)	150	(2)	Ø	10	Ø	(Z)	28	ż	9	2	22	(2)	*	*	₩.	*
	4Ø8	7	4	17Ø185		(Z)	1800	(2)	2	10	(2)	(Z)	31	Ø	Š	11	2	Ø	*	*	*	×
	416	7	4	170185		<b>(</b> 2)	2000	(2)	(2)	*	(2)	(2)	37	7	6	47	1(2)	Ø	*	*	*	*
	417	7	4.	170185	42	Ø	999	(2)	Ø	2	(2)	<b>(</b> 2)	36	7	9	20	17	(2)	₩	*	₩.	₩
	418	7	<b>4</b> }	170185	41	(2)	500	Ø	(2)	2	(2)	(2)	42	2	1	9	5	1	₩.	*	**	×
	419	7	4	170185	4.1	1	300	(Z)	(2)	*	(2)	(2)	62	7	14	27	8	(2)	₩.	*	*€	. h.
	420	7	4	170185	41	Ø	300	(2)	<b>(</b> 2)	3	Ø	(Z)	45	4	1	18	5	(2)	*	*	*	*
	423	7	ÆJ.	170185	46	Ø	80	Ø	(2)	S	<b>(</b> 2)	(2)	4.4	6	1	3	1	(2)	*	∺	*	₩.
	424	7	4	170185		(2)	80	(2)	<b>(</b> Z)	桥	Ø	Ø	26	1	Ø	24	Ø	(2)	₩.	*	*	*
	425	7	4	170185		(2)	60	Ø	Ø	**	(Z)	<b>(</b> 2)	29	5	4	6	5	(2)	*	*	₩.	₩.
	429	7	4	170185		Ø	35	(2)	Ø	*	Ø	Ø	26	1.	42	5	5	1	*	*	¥	¥
	430	7	4	170185		Ø	*	(2)	(2)	3	Ø	(2)	39	8	8	14	24	(2)	₩	¥	*	₩.
	433	7	4	170185	42	(2)	200	Ø	(Z)	*	(Z)	Ø	44	5	6	1. (2)	1 🕖	Ø	₩	¥·	*	*

80																					
434	7	4	170185	43	(2)	600	(2)	(2)	₩	<b>(2)</b>	(2)	31	65	5	1.4	6	(2)	*	*	₩.	+5
435	7	4	170185	42	(2)	150	(2)	(2)	*	Ø	<b>(</b> 2)	25	35	5	1.	20	(2)	*	*	*	÷
436	7	4	170185	44	(2)	300	Ø	(2)	*	(2)	(2)	22	3	14	6	5	(2)	44-	₩	₩.	-
437	7	4.	170185	43	(2)	600	Ø	(2)	*	(2)	(2)	35	3	1.3	30	13	<b>(</b> 2)	₩.	*	*	-3
438	7	4	170185	43	(2)	1800	(Z)	(2)	*	(2)	Ø	60	2	4	35	5	3	-}{-	*	*	+)
440	7	4.	170185	45	(Z)	800	Ø	1	**	(2)	Ø	61	7	9	47	15	2	*	-₩-	*	
786	7	5	110985	42	(Z)	120	Ø	Ø	*	Ø	Ø	57	, (2)	8	4	9	Ø	*	₩.	*.	÷
787	7	5	110785	4(2)	(2)	4(2)	(2)	(2)	*	Ø	(2)	27	5	8	9	12	(2)	₩	 ¥.	₩.	÷.
788	7	5	110785	41	(2)	200	Ø	(2)	*	Ø	(2)	62	1	10	48	3	(Z)	 ₩	*·	*.	4
789	7	5	110785	41	(2)	150	Ø	Ø	*	(2)	(Z)	51	a. S	л ел Д.	8	9	1	*	*	- <del>K</del> -	*
790	7	5	110705	41	0	180	(2)	0	₩	(2)	Ø	42	7	6	13	7	Ø	₩	*	<del>.</del> .	¥
792	7	5	110785	41	(Z)	1.02	Ø	Ø)		Ø	Ø	28	(Z)	4	4.	1	(Z)	*	*	*	
793	7	5	110765	42	(Z)	200	Ø	(Z)	. *		Ø	42			4(2)	10	(Z)	** **			
									*	Ø			6	<i>6</i> 2					*	*	
794 795	7	5	110985	4(2)	Ø	150	Ø	(2)	*	( <u>/</u> )	(Z)	15	2	5	4	22	1	*	¥.	*	*
	7	5	110985	45	(2)	999	1	(Z)	-₩-	(Z)	(2)	67	10	3	1.7	5	(Z)	*	*	₩.	
796	7	5	110985	42	(Z)	30	Ø	(2)	· <del>K</del> .	(Z)	<b>(</b> 2)	32	2	7	25	3	Ø	<del>∦</del> .	*	*	*
797	7	5	110985	42	(2)	250	(Z)	1	*.	Ø	1	61	2	7	22	9	(Z)	*	*∺-	*	*
798	7	5	110785	41	Ø	90	Ø	(2)	₩.	(2)	(2)	14	(2)	Ø	4	9	Ø	*	<del>∑</del> .	光	-₩-
799	7	5	110985	42	(Z)	130	(Z)	Ø	*	Ø	Ø	27	3	4	9	6	1.	₩.	**	*	¥
800	7	5	110785	43	<b>(2)</b>	Ø	(2)	1	*	(2)	(2)	44	(2)	Ø	13	Ø	1	*	*	*	¥.
801	7	5	110985	41	(2)	450	(2)	<b>(</b> 2)	*	(2)	(2)	37	22	Ø	6	2	(2)	₩.	*.	*	-₩
601	7	6	260485	42	(2)	40	(2)	<b>Ø</b>	₩.	(2)	(2)	33	1.	2	1.7	1	Ø	¥	*	*	<b>-X</b> -
602	7	Ó	26Ø485	41	(2)	800	Ø	(2)	**	Ø	2	31	13	.3	20	12	(2)	*	<del>'X</del> -	-₩-	₩
606	7	6	260485	45	(2)	350	(2)	(Z)	*	(Z)	(2)	42	7	(2)	18	8	(2)	*	*	**	*
607	7	6	260485	4(2)	*	15	(2)	(Z)	*	Ø	(2)	11	Ø	1	2	1	(2)	*	*	*	**
609	7	6	260485	42	(2)	150	(2)	(2)	*	Ø	Ø	20	1.3	2	16	11	Ø	₩	*	4.	*
612	7	6	260485	43	(2)	100	(Z)	(Z)	-}{-	(2)	(2)	352	22	1.	6	1	Ø	×	*	*	*
614	7	6	260485	43	(2)	800	(?)	<b>(2)</b>	*	(2)	(2)	52	4	13	1 (2)	13	1	*	*	*	•₩-
62Ø	7	6	260485	4(2)	1	400	(2)	1	*	(2)	(2)	22	2	2	(2)	.3	1	*	₩.	*	<b>*</b> X
622	7	6	260485	43	(2)	999	(Z)	(2)	*	(Z)	(2)	112		6	17	13	1	*	*	长	¥
625	7	6	260485	43	(2)	999	<b>(</b> 2)	(2)	₩	Ø	Ø	35	5	12	29	20	1.	*	*	*	₩
630	7	65	26Ø485	44	Ø	350	(2)	1.	*	(2)	1.	40	5	2	30	Ø	.3	*	*	₩	₩
631	7	6	260485	4(2)	<b>(</b> 2)	999	(2)	Ø	**	(2)	(2)	39	2	8	1.3	4	(2)	₩	₩.	*	*
632	7	6	26Ø485	44	(2)	250	(2)	(2)	*	(2)	(2)	43	2	14	62	20	2	-₩-	*	长	*
67Ø	7	6	260485	41	(2)	60	(2)	(2)	*	(2)	Ø	54	7	1	2	8	Ø	₩.	**	**	*
672	7	6	260485	40	(2)	450	(2)	$\emptyset$	*	(2)	(2)	48	6	3	5	4.	(2)	*	₩	¥·	-₩-
674	7	6	260485	44	1.	1000	(2)	Ø	*	(2)	(2)	46	1.1	1.	12	5	(2)	.₩-	*	*	**
678	7	6	260485	42	(Z)	140	(2)	(2)	*	<b>(</b> 2)	(2)	29	5	22	24	6	1	-₩-	-12-	45.	*
679	7	6	260485	40	<b>(</b> 2)	30	(2)	<b>(</b> 2)	*	Ø	(2)	19	$\mathbb{Z}$	2	3	5	1	*	*	•¥∙	• <del>K</del> ·
680	7	6	260485	43	Ø	*	(2)	(2)	*	<b>(</b> 2)	Ø	16	1.	.1	25	1.	j.	*.	*	*	-₩-
681	7	6	260485	4()	(2)	40	Ø	(2)	×	(2)	(2)	52	2	2	5	2	Ø	*	₩	*	天
682	7	6	260485	4(2)	(2)	600	(2)	(2)	₩	(2)	(2)	51	6	13	13	47	4	₩	**	*	***
683	7	65	260485	42	(2)	450	(2)	(2)	<b>*</b>	Ø	(2)	33	4	7	24	27	(2)	*	*	*	₩.
638	7	7	270685	41	(2)	300	(2)	(2)	₩.	(2)	(2)	39	4.	14	8	8	(2)	¥	¥	*	*
639	7	7		42	<b>(</b> 2)	300	<b>(</b> Z)	(2)	*	(2)	1	22	2	5	5	1.	(2)	₩.	ж.	*	*
642	7	7	270685	44	(2)	700	(2)	(Z)	*	(2)	(7)	55	4	5	52	10	2	*	*	*	**
644	7	7	270685	42	(2)	200	(2)	Ø	*	<b>(</b> 2)	2	28	1	10	17	16	(2)	*	-₩-	*	•₩:
647	7	7	270685	42	(2)	120	(2)	(2)	*	(2)	(2)	35	1.	3	6	4	Ø	*	*	*	×
649	7	7	270685	41	(2)	200	1	Ø	*	(2)	Ø	58	1.55	5	44	8	.3	*	*	*	*
653	7	7	270685		(2)	250	<b>(</b> 2)	(2)	*	(2)	(2)	61	4	2	1.1	22	(2)	- <del>X</del> -	*	*	<b>.</b> ¥:
654	7	7	270685		(2)	1.0	(Z)	Ø	*	(2)	(2)	20	(2)	1	4	Ø	(2)	*	-¥-	*.	*
													****	_	•						
689	1.	5	30685	47	(2)	*	(2)	Ø	₩.	<b>(</b> Z)	(2)	201	5	1. ②	1.63	35	1	<b>₩</b> .	*	*	*
697	1	5	30685		(2)	2000	(2)	Ø	**	<b>(</b> 2)	Ø	147	3	15	31	15	Ø	*	<b>.</b> }{-	*	*
105	3	2		47	(2)	3000	(2)	(Z)	*	(2)	Ø	42	4	6	33	3	Ø	(2)	1	(2)	8
122	3	2			(2)	2000	(2)	0	长	Ø	(2)	89	Š	3	22	2	*	*-	₩	*···	*
718	6	2	240985	45	(2)	500	0	(2)	长	(2)	(2)	97	3	3	11	5	(2)	-₩-	*	-*:	₩
727	6	2	240985		(2)	2000	Ø	Ø	*	(2)	(2)	104	1	18	94	30	Ø	-}{-	-N-	**	*
728	6	2	240985			1000	<b>Ø</b>		*	(2)	1	114	2	12	19	12	Ø	<b>*</b>	₩.	<b>*</b>	*.
. man beef	****					and and their	~		-			1	<b>#</b> ***	iI	<b>.</b> ,						

```
729
               2 240985 49
          6
                                     Ø
                                          700000
                                                             0 0 108
                                                                                            29
                                                          14.
                                                                             16
                                                                                                            (2)
                                                                                                                 ₩.
                                                                                                                      ₩.
                                                                                                    j.
                                                                                                                            4
                                                                    134
 731
          6
               2
                   240785
                               46
                                    Ø
                                        2000
                                                 (2)
                                                                 Ø
                                                                               (2)
                                                                                    12
                                                                                            47
                                                                                                   29
                                                                                                           Ø
                                                     (2)
                                                          ×
                                                             Q
                                                                                                                 ¥.
                                                                                                                      h.
                                                                                                                            ¥
 733
                                            50
                   240985
                               45
                                                                               2
                                                                                             na;
          6
                                    (2)
                                                 (Z)
                                                     (2)
                                                          Ж.
                                                             (2)
                                                                 (i)
                                                                      46
                                                                                      1.
                                                                                                    4
                                                                                                            (2)
                                                                                                                 4
                                                                                                                      4
                                                                                                                            ķ.
 736
          6
               2
                   240985
                               45
                                     (2)
                                          300
                                                 (Z)
                                                     (2)
                                                          'n.
                                                             (2)
                                                                 Ø
                                                                    103
                                                                             10
                                                                                      4
                                                                                             1.
                                                                                                   10
                                                                                                           (2)
                                                                                                                 *
                                                                                                                      *
                                                                                                                            *
                                                                                                                                 •
                                                                                            79
  739
                2
                   240985
                               49
                                     (2)
                                          200
          6
                                                 (2)
                                                     1
                                                          ж.
                                                             0
                                                                 (2)
                                                                    163
                                                                               (2)
                                                                                      8
                                                                                                   10
                                                                                                            (2)
                                                                                                                 *
                                                                                                                      *
                                                                                                                            *
 745
          6
               2
                   240985 46
                                    (2)
                                          700
                                                (2)
                                                     (2)
                                                          ....
                                                             (2)
                                                                 1
                                                                    154
                                                                               4
                                                                                      9
                                                                                           62
                                                                                                    9
                                                                                                            1.
                                                                                                                 ж.
                                                                                                                      4-
                                                                                                                            ų.
 747
               2
                  240985 48
                                    (2)
                                            90
                                                                                      9
                                                                                          128
                                                                                                   1.3
          6
                                                (2)
                                                     Ø
                                                             Ø
                                                                 (2)
                                                                    186
                                                                               3
                                                                                                            (2)
                                                          Ж
                                                                                                                 4
                                                                                                                      ¥.
                                                                                                                            ¥.
                                                                                                                                 ÷
 748
          6
               2 240985 48
                                    (2)
                                          800 0
                                                     1
                                                          *
                                                             (2)
                                                                 (2)
                                                                    138
                                                                                     10
                                                                                            90
                                                                                                    4
                                                                                                            3
                                                                                                                 ķ.
                                                                                                                      ₩.
                                                                                                                            Ж.
                                                                                                                                 ş
 749
               2 240985 49
                                     (2)
                                        1200 0
                                                                                     13
                                                                                          153
                                                                                                   22
          6
                                                     (2)
                                                          ж.
                                                             Ø
                                                                (2)
                                                                    135
                                                                               3
                                                                                                            Ø
                                                                                                                 4
                                                                                                                      *
                                                                                                                            *
                                                                                                                                 4
 750
          6
               2
                   240985 48
                                    (7)
                                        1500 Ø
                                                             (2)
                                                                 (2)
                                                                    149
                                                                               7
                                                                                      5
                                                                                            38
                                                                                                           (2)
                                                     (4)
                                                                                                    6
                                                                                                                 *
                                                                                                                      *
                                                                                                                            *
                                                                                                                                 4
                                                          44.
 751
               2
                   240985
                               46
                                     (2)
                                          250
                                                                     150
                                                                                            30
                                                                                                   27
          6
                                                 (2)
                                                     1
                                                          ж.
                                                             (2)
                                                                 (2)
                                                                               (2)
                                                                                     14
                                                                                                            (2)
                                                                                                                 4.
                                                                                                                      *
                                                                                                                            ¥
                                                                                                                                 Ą
                                          250
 752
               2
                   240985
                               46
                                     (2)
                                                 (2)
                                                             (2)
                                                                 Ø
                                                                      79
                                                                               3
                                                                                      5
                                                                                             7
          6
                                                     (2)
                                                          ¥.
                                                                                                   16
                                                                                                           (2)
                                                                                                                 ⊀
                                                                                                                      *
                                                                                                                            *
                                                                                                                                 4)(
 753
          6
               2
                  240985
                               50
                                     (2)
                                          200
                                                 (2)
                                                             (2)
                                                                 Ø
                                                                    105
                                                                                           31
                                                                                                   18
                                                     Ø
                                                          4.
                                                                               6
                                                                                      6
                                                                                                            1
                                                                                                                 ¥
                                                                                                                      ж.
                                                                                                                            -34-
                                                                                                                                 J.
 876
          6
               3 291185
                               51
                                     (2)
                                        3500
                                                 (2)
                                                             (2)
                                                                (2)
                                                                    198
                                                                                     10
                                                                                         235
                                                                                                   19
                                                                                                           2
                                                     (2)
                                                          *
                                                                             10
                                                                                                                 ×
                                                                                                                      ķ.
                                                                                                                           Ж.
                                                                                                                                 34
 877
               3 291185
                               51
                                     -}:·
                                            70
                                                 (2)
                                                             (2)
                                                                 (7)
                                                                    265
                                                                                      123
                                                                                          124
                                                                                                   12
                                                                                                            (2)
          6
                                                     (2)
                                                          ж
                                                                               6
                                                                                                                 44
                                                                                                                            *
                                                                                                                                 ą.
 878
          6
               3 291185
                               48
                                     (2)
                                             V-
                                                 (2)
                                                     Ø
                                                             Ø
                                                                (2)
                                                                    134
                                                                               5
                                                                                      2
                                                                                           33
                                                                                                   12
                                                                                                           Ø
                                                                                                                      ж.
                                                                                                                           Ж.
                                                          *
                                                                                                                 ¥.
                                                                                                                                 44
                  291185
 879
                                                                                           75
               3
                               48
                                    (2)
                                                 (2)
                                                                    132
                                                                               4
                                                                                      5
          6
                                              ₩
                                                     Ø
                                                             (2)
                                                                (2)
                                                                                                   11
                                                                                                           (2)
                                                                                                                 ₩
                                                                                                                            ·¥·
                                                          ٠,
                                                                                                                      -}{-
                                                                                                                                 1
 880
               3
                   291185
                               47
                                                                                      3
          6
                                     (2)
                                             ×
                                                 (2)
                                                    Ø
                                                          *
                                                             (2)
                                                                (2)
                                                                      47
                                                                               (2)
                                                                                             1
                                                                                                   10
                                                                                                            1
                                                                                                                 #
                                                                                                                      ¥.
                                                                                                                            Ж.
                                                                                                                                 ķ
 882
          6
               3
                   291185
                               48
                                     (2)
                                             *
                                                 Ø
                                                     (2)
                                                          -}{-
                                                             Ø
                                                                 (2)
                                                                    172
                                                                               2
                                                                                     13
                                                                                            94
                                                                                                   12
                                                                                                            1
                                                                                                                 Þ.
                                                                                                                      Эį.
                                                                                                                            ж.
                                                                                                                                 ÷
 883
               3
                   291185 50
                                     (2)
                                             ĸ.
                                                 0
                                                             Ø
                                                                 (2)
                                                                    185
                                                                                      2
                                                                                                   12
          Ġ
                                                    (2)
                                                          ₩.
                                                                               1
                                                                                           80
                                                                                                           (Z)
                                                                                                                 ¥.
                                                                                                                      ·ķ(-
                                                                                                                                 4
                                                                                                                            ¥.
 884
          6
               3
                   291185 48
                                    (2)
                                          400
                                                (2)
                                                             (2)
                                                                 (2)
                                                                                            13
                                                                                                    5
                                                     Ø
                                                          ....
                                                                    106
                                                                               1
                                                                                      1
                                                                                                            1
                                                                                                                 ×
                                                                                                                      1
                                                                                                                            ×
                                                                                                                                 4
 888
               .
                   291185 45
                                    (2)
                                          400 0
                                                             Ø
                                                                    210
                                                                               9
                                                                                           83
                                                                                                           5
          6
                                                    (2)
                                                          ¥.
                                                                 1
                                                                                                   11
                                                                                                                 ₩.
                                                                                                                      4
                                                                                                                            ¥...
                                                                                                                                 4
 887
          6
               ....
                   291185 45
                                    (2)
                                            8Ø Ø
                                                     Ø
                                                             (2)
                                                                 (2)
                                                                      67
                                                                               4
                                                                                      2
                                                                                             1
                                                                                                            j.
                                                                                                                                 33
                                                          *
                                                                                                    6
                                                                                                                 *
                                                                                                                      *
                                                                                                                            ж.
                                                                                           79
               3
                                          500
                                                                                      3
 888
                   291185 46
                                    Ø
                                                 (3)
                                                             (2)
                                                                (Z)
                                                                    134
                                                                                                   21
                                                                                                           Ø
          65
                                                     Ø
                                                          Ж.
                                                                               1
                                                                                                                 *
                                                                                                                      ·K-
                                                                                                                           ₩.
                                                                                                                                 4
               3
 889
          6
                   291185
                               47
                                     (2)
                                          350
                                                 (2)
                                                     (2)
                                                          ¥
                                                             (2)
                                                                 (2)
                                                                    156
                                                                               (2)
                                                                                      6
                                                                                          113
                                                                                                   21
                                                                                                            1.
                                                                                                                 ×
                                                                                                                      *
                                                                                                                            .
                                                                                                                                 1
 890
          6
               3
                   291185
                               45
                                    Ø
                                          140
                                                 Ø
                                                    Ø
                                                          *
                                                             (2)
                                                                 Ø
                                                                    177
                                                                               2
                                                                                      3
                                                                                          121
                                                                                                   19
                                                                                                           3
                                                                                                                 꾩.
                                                                                                                      *
                                                                                                                           ¥.
                                                                                                                                 ÷,
 891
          6
               3 291185 48
                                    (2)
                                          800 O
                                                                               2
                                                                                      2
                                                                                                    7
                                                    (2)
                                                          ₩
                                                             Q
                                                                (2)
                                                                    122
                                                                                           82
                                                                                                           Ø
                                                                                                                 *
                                                                                                                      ¥.
                                                                                                                            ж.
                                                                                                                                 \epsilon
 892
          6
               3
                   291185 55
                                    (2)
                                          500 0
                                                    (2)
                                                          *
                                                             (2)
                                                                Ø
                                                                      97
                                                                               (2)
                                                                                      3
                                                                                            14
                                                                                                   23
                                                                                                           Ø
                                                                                                                 ж.
                                                                                                                      *
                                                                                                                           *
                                                                                                                                 ¥
 893
               3 291185 47
                                          400 O
          6
                                    (2)
                                                    (2)
                                                          .<del>)</del>4.
                                                             0
                                                                (2)
                                                                    280
                                                                               2
                                                                                     15
                                                                                           82
                                                                                                   12
                                                                                                           2
                                                                                                                 4
                                                                                                                            *
                                                                                                                                 *
 894
               3
                                        1500 0
                                                                    172
                                                                                                  23
                   291185 46
                                    Ø
                                                             (2)
                                                                (2)
                                                                                          287
                                                                                                                 *
                                                                                                                           ķ.
                                                                                                                                 4
          6
                                                    (2)
                                                          ₩.
                                                                               1
                                                                                      6
                                                                                                            1
                                                                                                                      Ŋ.,
                               53
                                          350
                                                                               7
 895
               3
                   291185
                                                                    192
                                                                                                           3
          6
                                    (2)
                                                 Ø
                                                     Ø
                                                          *
                                                             (2)
                                                                Ø
                                                                                      5
                                                                                           80
                                                                                                   19
                                                                                                                 *
                                                                                                                      ķ.
                                                                                                                            *
                                                                                                                                 ₩
                                                                                      7
 896
          6
               3
                   291185
                              4.5
                                    (2)
                                          100
                                                 (2)
                                                    (2)
                                                          ъ.
                                                             (2)
                                                                 (2)
                                                                    140
                                                                               2
                                                                                           1.1
                                                                                                   17
                                                                                                           (2)
                                                                                                                 *
                                                                                                                      .<del>)</del>-į-
                                                                                                                           4.
                                                                                                                                 -3/4
               3
 897
          6
                   291185 48
                                    Ø
                                          600
                                                 (2)
                                                             (2)
                                                                2
                                                                    141
                                                                                      5
                                                                                           57
                                                                                                           3
                                                    (2)
                                                          ₩.
                                                                               1
                                                                                                    43.
                                                                                                                 -34-
                                                                                                                      J<sub>4</sub>.
                                                                                                                                 40
                                                                                                                            ķ.
                  291185 48
 900
               3
                                             7
                                                 (2)
                                                                        3
                                    (2)
                                                    (2)
                                                             (2)
                                                                (Z)
                                                                                      (Z)
                                                                                                    (2)
                                                                                                           (2)
                                                                                                                                 ₩
          6
                                                          ь.
                                                                               (Z)
                                                                                             (2)
                                                                                                                 *
                                                                                                                      ·}{·
                                                                                                                           4.
1452
          6
               4 170386 47
                                    (2)
                                             (2)
                                                 Ø
                                                    (2)
                                                          ₩.
                                                             (2)
                                                                (2)
                                                                    131
                                                                               (2)
                                                                                      1
                                                                                            20
                                                                                                    (2)
                                                                                                           (2)
                                                                                                                 Ж
                                                                                                                      ¥.
                                                                                                                            *
                                                                                                                                 *
1405
               5
                   310386 46
                                                 (2)
          6
                                    Ø
                                             *
                                                    0
                                                          Ж.
                                                             Ø
                                                                (2)
                                                                    101
                                                                               Ø
                                                                                      1
                                                                                           36
                                                                                                    4
                                                                                                           Ø
                                                                                                                 .K.
                                                                                                                      ·¥.
                                                                                                                            ж.
                                                                                                                                 4
1417
               ij
                  310386 42
                                            30
                                                             Ø
                                                                      99
          6
                                    (2)
                                                 (2)
                                                    (2)
                                                          ж.
                                                                (2)
                                                                               8
                                                                                      3
                                                                                             5
                                                                                                    2
                                                                                                           (2)
                                                                                                                 4
                                                                                                                      44
                                                                                                                            Æ.
                                                                                                                                 46
1418
               5
                   310386 46
                                    (2)
                                                 (2)
                                                             (2)
                                                                (2)
                                                                    140
                                                                                      2
                                                                                                    7
                                                                                                                                 v.
          6
                                             *
                                                    (2)
                                                          4.
                                                                               1
                                                                                            10
                                                                                                           (2)
                                                                                                                 *
                                                                                                                      ж
                                                                                                                           *
                   310386 44
                                             3
1419
          6
                                    (2)
                                                 (2)
                                                     (2)
                                                          ·X·
                                                             (2)
                                                                 Ø
                                                                      42
                                                                               (2)
                                                                                      1.
                                                                                            15
                                                                                                    (2)
                                                                                                           (2)
                                                                                                                      ₩.
                                                                                                                            Ж.
                                                                                                                                 *
                                                                                                                 ķ.
1420
               5
                   310386 41
                                        1000
                                                                      70
          6
                                    폿.
                                                 Ø
                                                    (2)
                                                          h.
                                                             Ø
                                                                Ø
                                                                               (2)
                                                                                      (2)
                                                                                            12
                                                                                                    (2)
                                                                                                           1
                                                                                                                 ж.
                                                                                                                      *
                                                                                                                           *
                                                                                                                                 4
1421
          6
               5
                   310386 46
                                             Ø
                                                 (2)
                                                                    109
                                                                               3
                                                                                                    2
                                                                                                                                 Ж.
                                    171
                                                    (2)
                                                          *
                                                             (2)
                                                                 1
                                                                                      (Z)
                                                                                            10
                                                                                                           (2)
                                                                                                                 4
                                                                                                                      .14.
                                                                                                                            ж.
                                                                      54
1422
          6
               5
                  310386 41
                                    (2)
                                             (2)
                                                 (Z)
                                                    (2)
                                                          ¥.
                                                             Ø Ø
                                                                               6
                                                                                      (Z)
                                                                                             (2)
                                                                                                    (2)
                                                                                                           (2)
                                                                                                                 *
                                                                                                                      ٠,
                                                                                                                           *
                                                                                                                                 σ.
1423
               5 310386 43
                                    0
                                             (2)
                                                 (2)
                                                             0
                                                                (2)
                                                                                                    Ø
                                                                                                                                 Ж.
          6
                                                    (2)
                                                                      61
                                                                               (2)
                                                                                      (2)
                                                                                             (2)
                                                                                                           (2)
                                                                                                                 *
                                                                                                                            *
                                                                      69
1424
                   310386 42
                                             (2)
                                                 Ø
                                                    (2)
                                                             Ø
                                                                (2)
                                                                                      (2)
                                                                                                           (2)
                                                                                                                                 46
          6
                                    ×.
                                                          *
                                                                                             1.
                                                                                                    Ø
                                                                                                                 ₩.
                                                                                                                      44.
                                                                                                                           ņ.
                                                                               1
1425
               ij
                   310386 42
                                             (2)
                                                 (?)
                                                                                      2
          Ġ
                                    Ø
                                                    (2)
                                                          ...
                                                             Q
                                                                1
                                                                    114
                                                                               (2)
                                                                                             (2)
                                                                                                    (Z)
                                                                                                           (2)
                                                                                                                 4
                                                                                                                      ₩.
                                                                                                                           *
                                                                                                                                 *
1426
          6
                   310386 42
                                    (2)
                                             (2)
                                                 (2)
                                                    (2)
                                                          ₩.
                                                             (7)
                                                                (Z)
                                                                      77
                                                                               (2)
                                                                                      (7)
                                                                                             4
                                                                                                    (2)
                                                                                                           (Z)
                                                                                                                      ж.
                                                                                                                           *
                                                                                                                                 ¥
                                                                                                                 <del>.</del>¥.
1427
                   310386 44
                                             Ø
                                                 (2)
                                                                                             2
                                                                                                                                 ¥.
          6
                                    ×
                                                    (2)
                                                          4
                                                             (2)
                                                                (2)
                                                                      60
                                                                               (2)
                                                                                      1.
                                                                                                    Ø
                                                                                                           (Z)
                                                                                                                 4
                                                                                                                      *
                                                                                                                           *
1428
          6
               5
                   310386 42
                                    ¥
                                             Ø
                                                 (2)
                                                    (2)
                                                          뵸.
                                                             (2)
                                                                (2)
                                                                      57
                                                                               3
                                                                                      (2)
                                                                                             9
                                                                                                    Ø
                                                                                                           Ø
                                                                                                                 ¥.
                                                                                                                      *
                                                                                                                           *
                                                                                                                                 *
1429
                   310386 41
                                                 (2)
                                                                               2
                                                                                      2
          6
                                    (2)
                                             (2)
                                                    (2)
                                                          ·\
                                                             (2)
                                                                (2)
                                                                      78
                                                                                             1
                                                                                                    4
                                                                                                           (2)
                                                                                                                                 44
                                                                                                                 *
                                                                                                                      *
                                                                                                                           и.
1430
          6
                   310386 41
                                             (2)
                                                 (2)
                                                    (2)
                                                          ¥.
                                                             (2)
                                                                (2)
                                                                      83
                                                                               (2)
                                                                                      Ø
                                                                                             2
                                                                                                           Ø
                                                                                                                      ¥:
                                                                                                                           *
                                                                                                                                 ×
                                                                                                                 ₩.
1434
          6
                  310386 40
                                    (Z)
                                             4
                                                 (2)
                                                    Ø
                                                          *
                                                             (2)
                                                                (2)
                                                                      68
                                                                               (2)
                                                                                      (2)
                                                                                           37
                                                                                                           (2)
                                                                                                                      ₩
                                                                                                                           ж.
                                                                                                                                 ¥,
                                                                                                    1
                                                                                                                 ×
 842
                                                                      33
          8
               2 120286 43 0
                                          750
                                                 (2)
                                                             (2)
                                                                (Z)
                                                                                                                                 4
```

(2)

¥.

6

21

5

57

4

\*

· k-

\*

Table 4. Numbers of parasites in small <u>H. atlanticus</u> (20 to 34 cm LCF) from New Zealand.

903	9	1.	13786	34	<b>(</b> 2)	150	Ø	(2)	*	Ø	Ø	5	1	4	2	2	2	*	*	*.	#
9Ø8	9	1	·, 786	30	(Z)	80	<b>(</b> 2)	(2)	*	(2)	(2)	2	Ø	4	<b>(</b> 2)	(2)	(2)	*	¥	₩-	3.
909	9	1	u 786	32	(2)	100	(Z)	(2)	-¥÷	(2)	1	1.1	3	2	(Z)	$\varphi$	(Z)	*	₩-	3€:	4.
911	9	1	√786	33	(2)	250	(Z)	(2)	₩-	(2)	(2)	9	2	5	(2)	5	1	<del>*</del>	*	*	•Ж
914	9	1	. 786	31	(2)	60	(2)	(2)	-}⁄-	(2)	<b>(</b> 2)	(2)	(2)	1	1	(2)	(2)	-₩-	*	¥	4:
918	9	1	786	31	1	Ø	(2)	Ø	*	(2)	(Z)	2	Ø	<b>(</b> 2)	(7)	<b>(</b> 2)	(2)	¥	<del>}{</del> -	₩.	4
920	9	1.	786	32	(2)	(2)	Ø	(2)	*.	(2)	(2)	6	Ø	(2)	<b>(</b> Z)	(2)	(2)	<del>}</del> {·	*.	*	40
924	9	1.	786	33	(2)	30	(2)	(2)	₩.	(2)	(2)	2	Ø	<b>(</b> 2)	(2)	Ø	(2)	₩	*	*	*
925	9	1	786	28	(2)	10	(2)	Ø	*	(2)	(2)	3	Ø	Ø	(2)	1.	(2)	<del> </del> ¥-	•}{·	*	4
928	9	1.	786	34	(2)	4(/)	(2)	(2)	*	(2)	Ø	8	2	(2)	(Z)	1	Ø	<del>-X</del> -	₩	₩.	44
932	9	1	786	31	(2)	60	(2)	Ø	· <b>!</b> {-	(2)	Ø	5	Ø	1	(2)	1	2	*	*	¥	<b>.</b>
933	9	1.	786	30	<b>(</b> 2)	(2)	Ø	(2)	*	(2)	Ø	3	Ø	(2)	1	Ø	(2)	<del>.</del>	*	₩.	·¥
934	9	1	786	32	(2)	15	(Z)	Ø	*	(2)	Ø	2	<b>2</b>	(2)	1.	(2)	Ø	<b>.</b> ⊁.	*	*	¥.
936	9	1	786	34	(2)	20	(2)	Ø		(2)	Ø	12	(2)	(2)	2	Ø	Ø	*	*	*	- <u>1</u> %
937	9	1	786	31	1	10	(2)	(2)	*	(2)	(2)	9	Ø	2	Ø	1	(Z)	-₩	-¥.	-¥-	 -X
939	9	<u>i</u>	786	29	Ø	20	(Z)	<b>Ø</b>	*	Ø	Ø	Ó	1	(2)	(Z)	Ø	(2)	*	*	*	*
940	9	1	786	29	1	Ø	(2)	(2)	*	Ø	(Z)	1	1	(2)	(Z)	Ø	(2)	*	- <del>}</del>	*	*
942	9	1	786	31	1	80	0	(2)	₩.	(2)	Ø	7	4.	2	2	1	2	*	*	<del>∦</del> .	*
995	9	1	786	33	(2)	20	(Z)	(2)	*	(Z)	Ø	2	1	<i>z.</i> Ø	Ø	.t	<i>(</i> 2)	*	*	₩.	¥
998	9	1	786	29	(2)	10	Ø	(2)	长	(Z)	(2)	2	(S)	1	Ø	Ø	(Z)	*	*	-¥-	*:
1122	9	1	786	27	1	1	(Z)	(2)	-₩-	Ø)	Ø	Ø	Ø	1. Ø	(Z)	. Ø	(Z)	* <del>*</del>			
1124	9	1	786	30	1	10	(Z)	Ø	*	Ø Ø	(Z)	5	Ø	(Z)	(Z)				<del>}</del> ¥∵	*	长
1127	9	1	786	31	.r (Z)	. (Z)	(Z)	(2)		(Z)	(Z)	_ <i></i> 1				(Z)	(2) co	₩.	*	*	*
1128	9	.r. 1.	786	31	(Z)			(2)	*		(2)		(Z) ·	(2) (2)	(Z)	Ø	Ø	<del>}\</del> ∨	*	*	*
1129	9	1	786	33	(Z)	(2) 1(2)	(Z)	(Z)	*.	(Z)		(Z)	(Z)	(2)	Ø	Ø)	Ø	*	*	₩.	*
1133	7 9	ï		31	****		(2)		₩.	Ø	(Z)	3	Ø	4	(Z)	4	(Z)	₩.	*	<b>₩</b>	*
	-		786		(2)	80	Ø	(2)	*	(2)	(Z)	7	1	Ø	(2)	1	Ø	*	*	₩.	*
1136	9	1	786	30	Ø	3	(2)	(2)	*	Ø	Ø	(2)	(Z)	Ø	Ø	Ø	(2)	*	₩.	*	₩
1142	9	1	786	29	1	*	(Z)	(Z)	*	(2)	(Z)	5	Ø	Ø	Ø	1	Ø	¥	*	*	*
1143	9	1	786	29	(Z)	Ø	Ø	Ø	*	(Z)	(Z)	3	2	Ø	Ø	<b>(</b> 2)	(Z)	*	*.	**	*
1149	9	1	786	32	(2)	10	(Z)	(Z)	*	(2)	(Z)	6	1	Ø)	(Z)	(2)	Ø	*	*	**	**
1152	9	1	786	32	(Z)	Ø	(2)	(2)	*	(2)	(2)	11	(Z)	2	(2)		(2)	*	*	-₩-	**
1154	9	1	786	32	<b>(</b> 2)	Ø	Ø	<b>(</b> 2)	*	(2)	(2)	7	2	3	1	1	(2)	*	*	• <del>E</del> ·	₩
1156	9	1	786	31	(Z)	(2)	Ø	<b>(</b> 2)	¥	(2)	Ø	43	Ø	(2)	2	(2)	Ø	<del>-X</del> -	<del>X</del> .	*	¥
1159	9	1	786	30	( <u>/</u> )	120	<b>(</b> 2)	<b>(</b> 2)	*	Ø	<b>(</b> 2)	3	1.	Ø	Ø	Ø	1	·¥·	₩	*	**
1160	9	1	786	29	Ø	10	<b>Ø</b>	(2)	*	(2)	<b>(</b> 2)	1	(2)	1	(2)	Ø	Ø	₩	*	*	₩
1161	9	1	786	31	1	4(2)	(2)	Ø	*	<b>(2)</b>	<b>(</b> 2)	4.	(2)	(2)	Ø	(2)	(2)	*	₩	*	*
1162	9	1	786	31	<b>(</b> 2)	20	Ø	(2)	*	(2)	<b>(</b> 2)	2	5	3	(2)	1	Ø	**	<b>K</b>	*	**
1163	9	1.	786	33	1.	20	1.	(2)	*	(2)	(2)	3	(2)	Ø	1	<b>(</b> 2)	<b>(</b> 2)	*	₩.	*	₩.
1167	9	1.	786	29	1	2	(2)	1.	**	Ø	(2)	3	1.	(2)	(2)	<b>(</b> 2)	<b>(</b> 2)	₩.	-₩-	**	×
1168	9	1	786	30	Ø	5	<b>(2)</b>	(2)	**-	(2)	<b>(</b> 2)	2	Ø	<b>(</b> 2)	(2)	Ø	Ø	*	₩	**	-₩-
1172	9	1	786	32	(2)	25	(2)	Ø	*	Ø	Ø	1.	2	Ø	Ø	Ø	<b>(2)</b>	*	₩	**	**
1173	9	1.	786	33	(2)	70	(2)	(2)	*	(2)	(2)	1.2	<b>(</b> 2)	5	2	2	(2)	*	ж.	*	*
1174	9	1	786	32	Ø	50	Ø	(2)	₩	Ø	(2)	4	<b>(</b> 2)	Ø	(2)	<b>(</b> 2)	(2)	*	÷¥·	*	*
1175	9	1.	786	32	(2)	5	(2)	Ø	*	(Z)	$(\!$	4.	(Z)	<b>(</b> 2)	<b>(</b> Z)	(2)	(2)	*	₩	₩.	₩.
1176	9	1.	786	33	(2)	30	Ø	(2)	*	Ø	(2)	5	1	(2)	5	(2)	(2)	*	*	₩	¥
1177	9	1	786	28	Ø	(2)	Ø	1.	*	(2)	Ø	.2	Ø	(2)	(2)	(2)	Ø	*	**	*	*
1178	9	1	786	28	(2)	30	Ø	Ø	*	(2)	Ø	(2)	(2)	1.	<b>(2)</b>	(2)	Ø	*	-₩·	*.	¥
1179	9	1.	786	27	<b>(2)</b>	(2)	(Z)	Ø	*	<b>(</b> 2)	Ø	1.	<b>(2)</b>	(2)	(2)	(2)	<b>(</b> 2)	*	₩.	*	**
1183	9	1	786	3Ø	(2)	80	(2)	(2)	*	Ø	Ø	25	(2)	Ø	<b>(</b> 2)	Ø	Ø	*	*	*	*
1187	9	1.	786	33	<b>(</b> 2)	(2)	(Z)	<b>(</b> 2)	*	(2)	(2)	7	Ø	2	2	(2)	Ø	*	₩.	*	*
1198	9	1	786	31	(2)	20	(2)	<b>(</b> 2)	*	<b>(</b> 2)	Ø	<b>(</b> 2)	(2)	(Z)	Ø	(2)	<b>(</b> 2)	*	*	*	*
901	9	2	<b>7</b> 786	30		80	<b>(2)</b>	(2)	*	<b>(Z)</b>	Ø	1	(2)	1.	1.	22	1	*	*	*	×
915	9	2	n 786	33	(2)	4(2)	<b>(</b> 2)	Ø	-¥-	<b>(</b> 2)	(2)	3	(2)	(2)	(2)	(2)	(2)	₩-	*	*	₩.

	919	9	2	7.786	33	Ø	(2)	(2)	Ø	*	(Z)	(2)	<i>L.</i>	(2)	C74	<i>(7</i> )	(7)	Ch.	<b>57</b> .	v.	v.	v
	71.7 989	9	2	1 786		<del>X</del> .	200	(2)	Ø	ᴥ	Ø)	(2)	6 13	(2) (2)	Ø Ø	Ø 3	Ø Ø	Ø	*	*	*	*
	994	9	2	786	33	Ø	70	(2)	(2)	*	(2)		10	1	2	Ø	6 6	1. Ø	*	*	⊁·	*
	999	9	2	786	28	Ø	110	(Z)	(Z)	*	Ø		4	2	Ø	1	Ø	(2) (2)	*	-¥·	- <del>}}</del> ∙	- <del>){</del> -
	1000	9	2	786	32	Ø	80	Ø	Ø	*	Ø		9	4.	3	(2)	(Z)	Ø	- <del>}{</del> -	*	*	*
	1005	ģ	2	786	34	Ø	30	(2)	(Z)	*	Ø	Ø	6	(2)	2	1	1.	Ø	*	₩	- <del>X</del> -	*
	1007	ģ	2	786	30	1	15	(2)	(2)	*	(Z)		5	(2)	1	( <u>7</u> )	.r. (2)	Ø Ø	- <del>X</del> -	*	**	
	1008	c)	2	786	31	(2)	6	Ø	(2)	*	Ø	(Z)	1	(Z)	 1	Ø	(Z)	(Z)	-¥∙	*	*	.¥-
	1011	ģ	2	786		(Z)	5	(2)	(2)	*	Ø	(Z)	1.1	(Z)	(2)	2 2	(Z)	Ø	₩.			*
	1012	9	2	786	34	Ø	25	(Z)	Ø	*	Ø	Ø	. c)	1	Ø	1	2	(Z)	₩	*	*	-} <del>(</del> -
	1016	9	2	786		(Z)	20	(Z)	(2)	*	Ø	Ø	10	(2)	Ø	1	Ø				** **	*
	1018	9	2	786		Ø	40	Ø	Ø)	*	Ø)	Ø	3	1	3	(2)	Ø	(2) (2)	*	*	*	* *
	1019	ģ	2	786		Ø	50	Ø	Ø	*	Ø	Ø	9	1	3	(Z)	1	(2)	*	*	*	*
	1020	ġ	2		33	Ø	(2)	Ø	Ø	*	Ø	Ø	5	Ø	Ø	2	Ø	Ø	*	3 <del>(</del> -	*	-34-
	1021	9	2	786	32	Ø	(Ø	(2)	<b>Ø</b>	*	Ø	Ø	6	(Z)	1	Ø	Ø	Ø	*	*	·*·	*
	1023	9	2	786	34	Ø)	*	(Z)	(2)	*	0	Ø	3	Ø	2	4.	Ø	(2)	·*·	*	*	*
	1024	Ġ	2	786	33	Ø	10	Ø	0	*	Ø	Ø	2	1	Ø	Ø	(2)	(2)	*	*	₩.	*
	1026	9	2		33	*	1. (2)	<u>(2)</u>	Ø	*	Ø	Ø	2	Ø	3	Ø	Ø	Ø	₩.	*	-¥-	*
	1032	Ġ	2	786	33	1	(2)	(2)	(2)	ж.	(2)	Ø	3	1	1	Ø	12	Ø		*	₩.	*
	1036	9	2		33	*	80	(2)	(2)	*	(Z)	Ø	15	2	3	4	7	(2)	*	*	*	₩.
•	1038	9	2	786	32	(2)	80	(2)	Ø	- <del>X</del> -	(2)	(Z)	4	(Z)	(Z)	Ø	(Z)	Ø	*	-¥-	*	茶
	1043	9	2	786	33	(Z)	1	Ø	Ø	*	(2)	1	1	2	Ø	Ø	Ø	Ø	*	<del>.X</del> ·	*	-₩
	1138	9	2	786	32	(2)	1 ②	Ø	Ø	*	Ø	(2)	3	(2)	1	1	Ø	(2)	*	· <del>X·</del>	· <b>X</b> -	*
	1139	9	2	786	32	<del>-X</del> -	10	(2)	1.	<b>X</b>	(2)	(Z)	3	Ø	2	1	Ø	Ø	*.	*	¥.	₩.
	1182	9	2	786	34	(2)	1 ②	(2)	Ø	*	(2)	(2)	5	Ø	1	Ø	(2)	(Z)	· <b>)</b> {-	-¥-	₩.	ж.
	1197	9	2	786	33	(2)	80	(2)	1	*	(2)	<b>(2)</b>	10	5	j.	Ø	2	2	*	*	.¥.	·¥·
	1199	9	2	786	33	*	(2)	Ø	<b>Ø</b>	*	Ø	(2)	4	(2)	2	Ø	1	Ø	*	*	₩.	ж.
	1200	9	2	786	33	(2)	150	Ø	(Z)	*	(2)	(2)	6	1	2	(Z)	1.	Ø	*	**	*	-¥-
	1202	9	2	786	34	*	70	(2)	1	*	Ø	(2)	10	3	6	1	29	(2)	**	*	*	*
	1204	9	2	786	34	(2)	100	(2)	(2)	¥	Ø	Ø	11	1	.3	(2)	(2)	<b>(2)</b>	*	*	*	·¥·
	1206	9	2	786	33	Ø	30	(2)	Ø	*	(2)	(2)	8	(2)	5	(2)	2	1	*	₩.	· <del>X·</del>	-}{-
	1210	9	2	786	33	<b>(2)</b>	40	1	(2)	*	Ø	(2)	8	1	1.	1	Ø	Ø	*	*	*	-₩-
	1211	9	2	. 786	29	1	Ø	(2)	(2)	*	<b>(Z)</b>	(2)	2	Ø	(2)	(2)	Ø	(2)	*	*	-₩-	-}{-
	1288	10a	1	2 <b>8</b> 86	34	Ø	Ø	(Z)	(2)	₩.	(2)	(2)	5	1	1	Ø	Ø	<b>Ø</b>	*	*	**	· <del>X</del> ·
	1289	10a	1	1786	34	1	(2)	(2)	<b>(</b> 2)	-₩-	(2)	(2)	13	Ø	(2)	2	(Z)	(2)	*	₩.	-₩•	-}{-
	1290	10)a	1	786	34	<b>(</b> 2)	Ø	<b>(2)</b>	1	*.	(2)	(2)	12	1	Ø	(2)	Ø	Ø	₩	*	*	*
	1298	10a	1.	786	33	(2)	S	Ø	Ø	*	(2)	(2)	18	(2)	Ø	1	(2)	(2)	₩.	*	*	-₩-
	1307	1Øa	1	786	32	1	Ø)	(2)	Ø	*	(2)	Ø	1	Ø	1.	(2)	Ø	(2)	·¥-	*	*	-∺-
	1324			786	34	(2)	<b>Ø</b>	(2)	Ø	*	(Z)	(2)	12	(2)	1.	2	(2)	(2)	*	-¥-	*	*
	1326				34		Ø	Ø	Ø	*	(2)	Ø	3	Ø	Ø	(2)	Ø	Ø	**	-∺-	₩	**
	1329			786			Ø	(?)	Ø	*	(2)	(2)	7	1	Ø	2	Ø	Ø	*	*	.¥∙	*
				1	29		Ø	Ø	(2)	*	(2)	Ø	Ø	(2)	(2)	Ø	(2)	Ø	*	¥	Ж	**
	1334			786			Ø		1	*		Ø	(2)	Ø	Ø	(2)	(2)	<b>Ø</b>	*	:∺-	₩.	-₩-
	1338			786			Ø	(2)	Ø	₩	(2)	(2)	1	Ø	(2)	Ø	Ø)	Ø	景	ゲ	*	*
	1342				21		Ø	(2)	<b>(2)</b>	*	(2)	<b>(2)</b>	Ø	Ø	Ø	1.	1.	Ø	*	*	**	*
	1343			786			(2)	(2)	(2)	**	(2)	Ø	6	4	(2)	1	5	Ø	*	**	**	*
	1353			786			Ø	(2)	Ø	*	<b>(</b> 2)	Ø	(2)	Ø	Ø	(Z)	Ø	(2)	*	*	**	*
	1360			786			Ø	Ø	Ø	₩.	(Z)	(Z)	1	(2)	Ø	Ø	(2)	(2)	.¥•	*	**•	ᴥ
	1364			786			Ø		1.	.¥·	(Z)	Ø)	1.1	(2)	Ø	Ø	(2)	(2)	*	子	.¥-	·¥.
	1366			786			(Z)	(Z)	(Z)	*	Ø	(Z)	- (Z)	Ø	Ø	Ø	(2)	(2)	*	*	*	**
	1367			786			Ø	( <u>/</u> )	<b>Ø</b>		(Z)	(Z)	(Ø	(2)	Ø	( <u>/</u> )	Ø	Ø	*	*	₩.	*
	1368			786			Ø		(Z)		(Z)	(Z)	1	Ø	Ø	(2)	Ø	Ø	*	*	₩.	₩.
	1369			786			(2)	(Z)	(Z) C2)	*	(2) (2)	( <u>2</u> )	Ø	Ø	(2)	(2)	(Z)	(Z)	*	*	*	*
	1237			786			Ø		(2) ca		Ø	(Z) C2	Ø	( <u>/</u> )	Ø	(Z)	Ø	(2)	*	*	*	₩.
	1241	10a		786			,Ø	( <u>/</u> 2)	Ø	*	(Z)	(2)	(2)	Ø	(Z)	(2)	(Z)	(2)	*	*	*	*
	125Ø 1251	1Øb 1Øb	2	786 786	32		(Z) "7 (Z)		(Z) (Z)	*	(Z) (Z)	(2)	1. Ø	(2)	(2)	Ø	Ø) Ø	(Z)	*	关	*	*
	1257	100 100	2	786			7Ø	(2) (2)	Ø) Ø)	₩.	(Z) (Z)	(2) (7)	4.0	(2)	1	(2)	(Z)	Ø	*	**	*	·持 - 86
		100b		1 1	34		Ø 1	Ø	Ø Ø	*	(2) (2)	Ø	12 4	Ø Ø	(Z) (7)	(2) (2)	(Z) (Z)	(Z) (2)	₩. .sc.	₩.	*	** **
	ar ain that that	a. KJ LJ	. C.,	1 (00	·	'X.J	1.	W.F	<i>(L.)</i>	W.	ĸ.J	W	~·}·	(2)	(2)	(2)	(2)	(2)	*	₩	*	-∺•

1267	105	2	2886	22	1	(2)	(2)	Ø	*	(2)	(2)	(2)	(2)	Ø	(2)	(2)	(2)	*	*	*	
1271	1Øb	2	1786	21	1.	(2)	(2)	(2)	*	Ø	(2)	(Z)	(2)	Ø	Ø	Ø	Ø	*	₩	*	-}
1273	1Øb	2	1786	34	(2)	(2)	(Z)	Ø	*	(2)	Ø	6	(2)	(2)	1.	(2)	(2)	*	₩.	-¥-	÷
1274	1 Øb	2	786	22	1.	Ø	· (2)	(2)	*	<b>(2)</b>	(Z)	1.	(2)	(2)	(2)	(2)	<b>(</b> 2)	*	长	₩.	ي
1275	1006	2	786	21	1	Ø	(Z)	(2)	₩.	Ø	(2)	Ø	(Z)	(2)	(2)	(2)	(2)	*	*	₩.	•
1279	1Øb	$\mathbb{Z}^{2}$	786	32	(2)	(2)	(2)	(Z)	*	(2)	(2)	2	(2)	(Z)	(2)	(Z)	(2)	*	₩	*	÷
1285	1 Øb	$\mathbb{Z}$	1 786	22	*	(2)	Ø	(2)	*	Ø	(2)	<b>(</b> 2)	(2)	<b>(2)</b>	(2)	(2)	(2)	*	₩.	*	
1286	1.00b	2	786	20	(2)	(2)	(2)	(2)	长	Ø	(2)	(2)	(2)	<b>(2)</b>	(2)	(2)	(2)	*	*	**	÷
1374	1 Ø to	2	786	31	*	Ø	(2)	(2)	*	(2)	<b>(</b> 2)	5	(Z)	Ø	(2)	(2)	<b>(</b> Z)	*	*	*	+
1385	1 Øb	2	786	27	1.	(2)	(2)	(2)	*	(2)	Ø	(2)	Ø	Ø	(2)	(2)	<b>(</b> 2)	*	*	*	.}>
1388	1Øb	2	786	23	(2)	Ø	<b>(2)</b>	(2)	*	Ø	(2)	<b>Ø</b>	<b>Ø</b>	(2)	(2)	<b>(2</b> )	<b>(</b> 2)	*	*	*	Ą
1398	1Øb	2	786	34	(2)	(2)	(2)	Ø	₩.	(2)	(2)	4.	(2)	Ø	Ø	(Z)	(2)	¥.	<b>W</b>	-₩-	-3
1048	11a	1	786	28	(2)	10	(2)	1	*.	Ø	(2)	45	(2)	Ø	1	(2)	(Z)	*	*	÷4.	4
1059	11a	1	786	34	Ø	₩.	<b>(</b> 2)	(2)	₩.	(2)	(2)	9	(Z)	Ø	(2)	Ø	(2)	*	*	*	¥
10/75	11a	2	786	33	1	10	(2)	(2)	*	Ø	(2)	12	1	Ej	1.	1	1	*	*	-}(-	<b>.</b> }.
1082	11a	2	1 786	34	<b>(</b> 2)	30	Ø	(2)	*	(2)	(2)	12	Ø	3	Ø	1	Ø	*	<del>-</del> <del>K</del> -	₩.	4.
1339	10a	1.	2 <b>8</b> 87	18	1.	(2)	(2)	Ø	*	(2)	(2)	Ø	<b>(2)</b>	(2)	(2)	(2)	Ø	*	*	*	*
1344	10a	1.	1787	19	1	<b>(</b> 2)	(2)	(2)	*	(2)	Ø	(Z)	<b>Ø</b>	Ø	Ø	(2)	Ø	*	₩.	*	¥
1352	10a	1	1787	17	1	(2)	(2)	Ø	-₩-	Ø	(2)	(2)	(2)	Ø	Ø	Ø	<b>(</b> Z)	*	×	*.	×
1365	1Øa	1	/ 787	19	1	(2)	(2)	(2)	*	(2)	(2)	(Z)	(2)	Ø	Ø	(Z)	Ø	*	*	*	-14
1262	1Øb	1	3 <b>8</b> 87	17	(2)	(2)	(2)	<b>(</b> 2)	*	(2)	Ø	2	Ø	Ø	Ø	Ø	(2)	-₩-	**	*	¥
1276	1Øb	j.	1787	19	1	Ø	(2)	(2)	₩.	(/)	(2)	1.	Ø	Ø	(2)	Ø	(2)	*	*.	*	美

Table 5. Numbers of parasites in medium  $\underline{H}$ .  $\underline{atlanticus}$  (35 to 39 cm LCF) from New Zealand.

912	9	1	13	3 786	35	(2)	20	(2)	1	*	(2)	Ø	7	(2)	Ø	(2)	8	(2)	*	₩.	*	**
926	9	1	11	786	35	(2)	140	(2)	(?)	*	(2)	(2)	1.55	(2)	1	2	.3	(2)	*	*	¥.	₩-
997	9	1	• •	786	35	(2)	45Ø	(2)	1.	*	(2)	Ø	9	7	9	3	8	(2)	*	*:	*	*
1123	9	1		786	38	(2)	100	<b>(</b> Z)	(2)	*	(2)	(2)	26	1	(2)	2	(2)	(2)	*	*	*	₩
1151	9	1		786	39	(Z)	(2)	(2)	(2)	*	Ø	Ø	12	3	8	.3	(2)	<b>(2)</b>	¥	*	*	-₩
1153	9	1	١	786	38	(2)	5	(2)	(2)	-}<-	(Z)	(2)	17	Ø	2	2	4.	(2)	*	*	¥	-₩-
1171	9	1		786	39	(2)	90	(2)	(2)	*	(2)	(2)	1.7	4	1	S	4	1.	¥	*	¥·	<b>₩</b> .
1180	9	1	Ì	786	35	(2)	150	(2)	(2)	*	Ø	(2)	8	(Z)	1	(2)	(2)	1.	*	*	₩.	*
1181	9	<b>j</b> .		786	35	(2)	(2)	(2)	(2)	*	(2)	(2)	8	4	1	Ø	(2)	(2)	*	*	*.	*
1190	9	1.		786	35	(2)	1	Ø	(2)	•¥∙	(Z)	(2)	1.6	6	1	1.	1	Ø	*	*	*	₩
1192	9	1		786	37	(2)	(2)	(2)	(2)	*	(2)	(2)	7	(2)	<b>(</b> 2)	1.	(2)	(2)	*	*	¥·	•¥
902	c)	2	-	786	37	(2)	130	(2)	(Z)	*	(2)	(Ž)	16	12	2	(Z)	1	(2)	*	*	*	*
904	9	2	1	786	38	(2)	150	(2)	(2)	*	(Z)	(2)	17	4	9	2	2	(2)	<b>⊹</b> ⊬	₩.	₩.	*
9Ø5	cy.	$\mathbb{Z}$		786	39	(2)	60	(2)	(2)	*	(2)	(2)	17	2	4	2	1.	(2)	*	*	¥	₩.
916	9	2		786	38	(2)	130	(Z)	Ø	*	(2)	(2)	13	3	8	4	13	(2)	₩	*	-₩-	•₩
917	9	2		786	35	(2)	30	(2)	(2)	*	(2)	<b>(</b> 2)	1 (2)	1.	<b>(Z)</b>	(2)	(2)	(2)	*	*	₩.	₩.
921	9	$\mathbb{Z}$		786	37	(2)	400	Ø	<b>(</b> 2)	*	Ø	(2)	20	$\mathbb{Z}$	1	4	2	(2)	*	*	₩	**
990	9	2		786	38	(2)	120	(2)	(2)	*	(2)	(2)	7	5	3	7	1	<b>(</b> 2)	*	*	*	₩
1001	9	2		786	35	(2)	20	(2)	(2)	**	(2)	(2)	12	1	6	2	8	1	*	*	-₩-	*
1002	9	2	ł	786	35	Ø	30	Ø	(2)	₩	(2)	Ø	4	3.	Ø	3	(2)	(2)	*	*	*	×

1003	9	2	7.78	6 37	(Z)	50	(2)	1	*	(2)	<b>(</b> 2)	23	4	77	4	O	Ch.	32.	<i>M</i> .	ж.	
													1	2	1.	(2)	(2)	<del>-}</del> €	**	*	4
1006	9	2	78			80	(2)	(2)	**	(?)	(2)	9	2	3	65	4	(2)	*	*.	**	3
1010	9		178	<mark>6 37</mark>	(2)	(2)	Ø	(2)	*	(2)	(2)	5	(2)	1	7	1	Ø	*	**	*	
1014	Ģ	2	78	6 39	(2)	(2)	(2)	1	¥	(2)	(2)	35	<b>(2)</b>	Ø	1	(2)	(2)	4.	-}{-	*	4
1015	9	27	78			230	(2)	1	₩	Ø	(2)	1.1	3	1 ②	:1.	3	1	*	₩.	4 <b>%</b> -	4
	တ့်		. 78					-													
1017		2				1 (2)	(2)	(2)	*	(Z)	(2)	4	Ø	Ø	1.	Ø	. (2)	₩.	*	*	÷
1025	9	2	78			(Z)	(2)	(Z)	*	(2)	(2)	12	(2)	1	(2)	(Z)	(2)	₩	₩	₩.	•
1027	<b>c</b> y	22	78	6 35	(2)	40	(2)	(2)	<b>-</b> ķ⊹	(2)	(2)	23	Ø	7	1	4	(2)	<u>4</u> .	*	₩.	ş
1028	9	2	78	6 39	(Z)	1 (2)	(2)	Ø	*	(2)	(2)	18	1	5	3	Ø	Ø	*.	·ķķ.	₩.	÷
1030	9	2	78			Ø	Ø	Ø	*	(2)	(2)	9	Ø	1	(2)	Ø	<b>(2)</b>	₩.	*	₩.	×
1031	9	2	78	6 38	(2)	(2)	(2)	Ø	-₩-	Q	(2)	6	<b>Z</b> }	1	1.	(Z)	(Z)	₩	₩.	*	+3
1033	9	2	78	5 35	(2)	40	(2)	(2)	<del>,</del> ¥-	(2)		21	<b>(</b> 2)	2	3	1	Ø	*	*	*	-3
1034	9	2	78			160	(2)	Ø	*	Ø	(2)	20	3	18	2	6	1	*	*	₩.	Ą
1035	9																				
		2	78			Ø	$\varnothing$	(2)	¥	Ø	(2)	8	2	2	(2)	(2)	Ø	*	**	*	-}{
1037	9	27) 261	78	5 39	(2)	(2)	(2)	Ø	*	(2)	(2)	5	(2)	1.	4	1	(2)	*	₩.	*	4
1039	9	2	\78	5 35	(2)	(2)	(2)	(2)	**	<b>(</b> 2)	Ø	15	1	(2)	(2)	(2)	Ø	*	*	*	4
1040	9	2	78	5 37	(2)	(2)	(2)	(2)	*	Ø	(2)	23	1	1	(2)	(2)	(2)	*	₩.	*.	÷
	9																				
1041		2	78			1 (2)	(2)	1.	*	Ø	(Z)	6	2	11	1	2	Ø	*	₩	₩.	40
10)44	9		: 78		(2)	20	(2)	(2)	*	(2)	(2)	8	(2)	(2)	(2)	Ø	(2)	₩	*	₩.	4
1045	9	2	78	5 37	(2)	5	(2)	(2)	*	(2)	(Z)	4	5	3	<b>(</b> 2)	2	(2)	·K.	*	₩.	₩
1046	9	2	78	5 37	Ø	80	(2)	1	长	<b>(</b> 2)	(2)	12	7	3	2	11	1	*	₩.	¥	4
1126	ģ	2	78			180		-													
							(2)	(2)	*	(2)	Ø	18	8	65	3	j. 4.	Ø	*	₩	·F.	₩
1134	9	22	78		Ø	40	(2)	(2)	-34	(2)	Ø	25	1. 1	3	(2)	1.	Ø	*	*	*	•
1135	9	2	78	5 35	Ø	1	(2)	(2)	*	(2)	Ø	24	(2)	(2)	(2)	(2)	Ø	*	*	*	4
1137	9	20	78	5 38	(2)	40	(2)	1.	*	Ø	Ø	20	1.	4	3	Ø	<b>Ø</b>	*	*.	*.	¥
1140	9	2	78		Ø	200	(2)	 (2)	₩.	<u>(2)</u>	Ø	24	1	Š	7		(2)	-}⊀-	*	*	*
	-															6					
1141	9	2	78			10	(2)	(2)	*	Ø	Ø	31	1	4	6	3	(Z)	₩	**	**	*
1144	9	2	78	5 35	(2)	160	(2)	(2)	**	(2)	(2)	1 (7)	6	1.	€:	(2)	(2)	*	·it	₩.	¥
1145	9	2	78	5 35	(2)	7Ø	(2)	<b>(</b> 2)	¥.	Ø	(2)	12	2	5	(2)	(2)	(2)	*	长	<del>4</del> 4-	40
1147	9	2	786		(2)	90	(2)	(2)	綦.	(2)	Ø	22	1	2	1	31	Ø	*	.¥.	*	*
	ģ																				
1150		2	78		Ø	180	(2)	(2)	-}€-	Ø	Ø	30	1	2	4	7	Ø	*	*	₩.	¥
1155	9	2	78		(2)	120	(2)	(2)	₩	(2)	(2)	32	3	1.1	ij	14	Ø	*	- <b>X</b> -	*.	**
1158	9	700 314	78	5 37	(2)	50	(2)	$\mathbb{Z}$	*	Ø	(2)	18	:1	2	2	1	(2)	₩.	₩.	*₭.	*
1185	9	2	786	5 37	(2)	80	<b>(</b> 2)	3.	*	(2)	(2)	1	<b>(2)</b>	(2)	8	3	(2)	-¥-	₩.	-}-{-	-10
1194	ġ	2	78		Ø	200	(2)	(Z)	*	(Z)	Ø	19			12			*			-}(-
	-												Ø	1		Ø	<b>(</b> 2)		₩.	*	
1195	9	2	78		(2)	80	(2)	(2)	¥.	(2)	Ø	6	1.	1.	4	(2)	(2)	*	茶	*	·¥-
1201	9		78	5 37	(2)	220	(Z)	(Z)	-₩-	(2)	(2)	3	(2)	2	1	1.	Ø	*	<del>-X</del> -	*	*
1203	9	2	786	38	(2)	250	(Z)	Ø	*	(2)	(Z)	22	.3	(2)	(Z)	4	(2)	₩.	*	₩.	-34
1205	9	2	78	5 37	(2)	30	(2)	(2)	₩.	<b>(</b> 2)	(2)	5	2	3	2	2	(2)	₩.	*	*	44
1207	9	2	787		1	10	(2)	Ø												à	
									•₩-		<b>(</b> 2)	21	1	1	8	(2)	Ø	*	*	*	Æ.
1208	9	$\mathbb{Z}$	78		Ø	40	Ø	(2)	*	(2)	(2)	21	(2)	3	(2)	.3	Ø	₩.	-}{-	*	₩.
1209	9	2	788	37	1	30	(Z)	(2)	*	(2)	Ø	6	3	3	<b>(</b> 2)	j.	(Z)	*	*	*	*
1212	9	2	786	5 38	(2)	80	Ø	(2)	*	<b>(</b> 2)	(2)	20	2	4	17	2	1	*	₩.	*.	₩.
1293	10a		2888			Ø	(2)	(2)	*		(2)	19	Ø	Ø	1	(2)	(Z)	*	₩.	*	₩.
1294	10a																				
			1 780			(2)	(2)	(2)	*	Ø	(2)	1.1	Ø	2	3	(2)	<b>(</b> 2)	*	*	长	₩.
1295	10a		786		Ø	50	(2)	<b>(2)</b>	*	(Z)	(2)	19	1	<b>(</b> 2)	1	1	(Z)	*	**-	•₩·	**
1299	10a	1.	787	5 39	(2)	(2)	(2)	1	*	(2)	(2)	22	Ø	(2)	(2)	<b>(</b> 2)	(2)	<del>-}</del>	• <del>K</del> ·	*	*
1300	10a	1	786	39	(2)	20	(2)	(2)	*	(2)	(2)	13	Ø	(Z)	6	(2)	(2)	-₩-	*	₩.	*
1301	10a		786		(2)	1	(Z)	(2)	*		Ø	11								-1≪-	
			1 1										Ø	(2)	Ø	Ø	Ø	*	长		**
1305	10a		1 786		(2)	Ø	(2)	Ø	*		Ø	8	<b>(</b> 2)	3	1	5	Ø	-₩.	**	*	4
1308	10a		786		(Z)	*	(Z)	(2)	*	(2)	Ø	E	(2)	Ø	1	Ø	(2)	-}{-	<b>₩</b>	*	-}€-
1309	10a	j.	786	5 37	(2)	₩.	(2)	(2)	₩:	(Z)	(2)	12	(2)	2	(2)	(Z)	(2)	*	*	₩.	<b>W</b>
1312	10a		786		(2)	(2)	(2)	Ø	*		(2)	15	1	Ø	9	2	<u>-</u>	**	-34-	*	*
1314	10a		788		(2)	Ø		Ø													
			: 1				(Z)		*		Ø	9	1	1	(2)	Ø	(2)	*	*	*	*
1316	10a		786		Ø	Ø	(2)	1	*	(2)	<b>(</b> 2)	21	(2)	Ø	Ø	1	(2)	*	₩	*	44-
1318	10)a	1	786	39	(2)	Ø	(?)	(2)	#	(2)	<b>(</b> 2)	4(2)	<b>(</b> Z)	Ø	9	(2)	(2)	<b>*</b>	*	<b>-</b> ≱(-	₩
1319	10a	1	786	35	(2)	*	<b>(</b> 2)	Ø	*	Ø	(2)	3	.3	Ø	(2)	1	Ø	*	*.	*	-}∉-
1322	1Øa		788		Ø	80	Ø	Ø	**·		(2)	31	(2)	11	1 ②	11	Ø	**	*	*	×
1323			1 1																		
البوائلة البوالة	10a	J.	1 786	5 37	(2)	60	Ø	<b>(</b> 2)	₩	Ø	Ø	12	1.	22	1	<b>(</b> 2)	Ø	*	<del>-}</del> {-	*	*

1325 10a 1	2 <b>8</b> 86 37 Ø	Ø Ø Ø	* (2) (2)	15	(Z)	1	2	<b>(</b> 2)	(2)	*	-}{-	*	
1328 10a 1	786 38 Ø	Ø Ø 1	* (2) (2)	16	<b>Ø</b>	(2)	1	Ø	(2)	*	*	. <u>14</u> .	÷
1330 10a 1	V86 38 Ø	* Ø 1	* Ø Ø	23	Ø	1.	3	<b>Ø</b>	(2)		-¥-		
	. 1											₩.	4
	1	Ø Ø 1	* Ø Ø	20	Ø	1.	(2)	(2)	<b>Ø</b>	**	₩	*	43
1332 10a 1	786 39 0	80 0 0	* Ø Ø	17	4	3	4	5	(2)	**	-}₹-	₩	
1335 1Øa 1	786 37 <b>0</b>	ØØØ	* Ø Ø	21	(Z)	(Z)	1.	Ø	(2)	₩	×	¥	+
1337 10a 1	786 35 Ø	20 0 0	* (2) (2)	12	Ø	(2)	1	1	(2)	-}⊀-	*	**	÷
1340 10a 1	786 35 Ø	0 0 0	* (2) (2)	4	Ø	<b>(Z</b> )	Ø	Ø	(2)	*	*	-₩-	3
1346 10a 1	786 38 Ø	000	* Ø Ø	16	<u>2</u>	(2)	Ø	Ø	Ø	46	3€	₩	4
1347 10a i	786 38 *	000		14	Ø								
	1					Ø	Ø	Ø	(2)	*	¥	₩.	4
1348 10a 1	786 39 Ø	000	* Ø Ø	13	Ø	(2)	Ø	Ø	Ø	*	*	*	7
1349 10a 1	786 37 0	10 0 0	* Ø Ø	14	1.	4	7	3	(2)	*	*	*	7
1351 10a 1	786 37 Ø	Ø Ø Ø	* (2) (2)	8	<b>(</b> 2)	(2)	1.	(2)	Ø	**	*	*₩-	<b>.</b> }:
1354 1Øa 1	786 37 Ø	Ø Ø Ø	* (Z) (Z)	7	<b>(</b> 2)	(2)	4	<b>(</b> Z)	Ø	¥	*	*	¥
1358 10a 1	786 37 Ø	Ø Ø Ø	* Ø Ø	15	(2)	Ø	1	(2)	(2)	*	*.	<b>\</b>	4(
1359 10a i	786 35 Ø	0 0 0	* Ø Ø	12	Ø	Ø	Ø	Ø	Ø	*	*	*	4/
1361 10a 1	786 35 Ø	0 0 0		19									
					(Z)	(Z)	<b>Ø</b>	(2)	(Z)	<b>-}</b> ₹	**	· <b>K</b> ·	₹.
1362 10a i	786 35 Ø	000	* Ø Ø	8	(2)	Ø	1.	Ø	Ø	₩.	•₩-	*	*
1363 10a 1	786 35 0	ØØØ	* Ø Ø	20	9	Ø	1	1.	(2)	-}{-	₩.	*	.V
1370 10a 1	786 38 Ø	Ø Ø Ø	* Ø Ø	15	(2)	1	Ø	<b>(</b> 2)	(2)	*	*	*	₩.
1238 10a 1	786 39 Ø	Ø Ø Ø	* Ø Ø	13	1	<b>Ø</b>	1	(2)	(2)	₩.	₩.	*	3.
1239 10a 1	786 37 Ø	Ø Ø 1	* (2) (2)	Ej	<b>(</b> 2)	Ø	2	Ø	<b>Ø</b>	*	*	**	**
1244 10a 1	786 39 Ø	002	* Ø Ø	21	(2)	2	2	Ø	Ø	*	₩.	*	*
1245 1Øa 1													
	1 1	0 0 0	* Ø Ø	12	(Z)	(2)	(2)	(2)	(2)	*	*	*	**
1246 10a 1	786 39 Ø	ØØØ	* Ø Ø	12	22	1	5	(2)	(2)	*	**	**	₩.
1247 10b 1	3 <b>8</b> 86 39 Ø	Ø Ø Ø	* Ø Ø	9	(2)	3	1	Ø	Ø	*	*.	뀱.	-}∜
1248 10b 1	786 35 1	ØØØ	* ② ②	13	(2)	(2)	Ø	(2)	(2)	*	**	*	*
1249 10b 1	786 35 Ø	0 0 0	* (2) (2)	1.0	(2)	<b>(2</b> )	(2)	1	(2)	*	-₩-	*	¥
1253 10b 1	786 38 Ø	30 0 0	* Ø Ø	18	1	(2)	1	3	<u>(2)</u>	*	*	*	₩
1256 10b 1	786 38 *	* Ø 1	* Ø Ø	22			2	Ø	Ø)	*	₩-		*
	1 1				Ø	(2)						*.	
	786 37 0	000	* (2) (2)	15	(2)	1	(2)	<b>(</b> 2)	(2)	₩	₩-	-₩-	₩
1259 10b 1	786 35 *	Ø Ø Ø	* (2) (2)	1	1	2	Ø	Ø	Ø	*	*	*	1/
1260 10b 1	786 39 Ø	000	* ② ②	22	(2)	(2)	ij	Ø	(2)	*	*	*	¥.
1264 1Øb 1	786 39 Ø	Ø Ø 1	* Ø Ø	36	(2)	1.	2	(2)	(2)	₩.	*	*	*
1270 10b 1	786 38 Ø	Ø Ø 1	* (2) (2)	1.0	(2)	(2)	(2)	(2)	(2)	*	*	*	4(
1277 10b 1	786 39 Ø	Ø Ø Ø	* (2) (2)	21	5	1	1 1	(2)	1	*	*	₩.	*
1278 10b 1	786 39 Ø	Ø Ø 1	* Ø Ø	9	Ø	2	<i>D</i>	(2)	Ø				*
1281 10b 1	786 39 Ø									*	*	•₩•	
			* Ø Ø	24	Ø	3	2	<b>Ø</b>	(2)	*	*	岩.	·X·
1282 10b 1	786 39 Ø	000	* Ø Ø	18	(2)	<b>(</b> Z)	(2)	(2)	Ø	*	₩.	*	-94
1283 10b 1	786 38 Ø	ØØØ	* Ø Ø	8	Ø	(2)	(2)	(Z)	(2)	₩.	*	₩.	×
1284 10b 1	786 37 Ø	100 0 0	* Ø Ø	.3	1	(2)	3	(2)	(2)	*	₩.	*	*
1287 10b i	786 37 Ø	Ø Ø Ø	* Ø Ø	11	(2)	.2	Ø	(Z)	(2)	*	*	-₩-	*
1377 10b 2	2 <b>8</b> 86 39 0	Ø Ø Ø	* (2) (2)	21	(Z)	Ø	1	1	(2)	*	₩.	*	<b>-</b> 34:
1380 10b 2	786 35 Ø	(2) (2) (2)	* (2) (2)	1.4	Ø	<b>(</b> 2)	(2)	(2)	(2)	*	*	-₩-	*
1381 10b 2	786 38 Ø	ØØØ	* Ø Ø	12	Ø	1	6	Ø	0	₩	₩.	-¥·	×
1382 10b 2	786 38 Ø	Ø Ø 1	* Ø Ø	21	Ø	Ø	Ø	Ø	(2)	*	 ¥·	₩.	*
1383 10b 2	; }												
	1 7	0 0 1	* Ø Ø	13	1	1	1.	7	Ø	-₩-	₩	•₩•	*
1386 10b 2	786 38 Ø	Ø Ø Ø	* (2) (2)	1.6	(2)	(Z)	Ø	(2)	1.	*	*	₩	*
1387 10b 2	786 35 Ø	ØØØ	* (2) (2)	7	1	5	2	1	(2)	*	*	*	*
1389 10b 2	786 37 *	000	* (2) (2)	6	(2)	(2)	(2)	Ø	(2)	*	-₩-	¥.	×
1399 10b 2	786 38 Ø	000	* Ø Ø	1.1	<b>(</b> 2)	Ø	(2)	2	(2)	•₩-	*	₩.	₩
1055 ila i	24786 35 Ø	200	* Ø Ø	19	(Z)	$\overline{2}$	Ø	Ø	Ø	*	-∳-	*	×
1056 11a 1	1 786 38 0	60 0 0	* Ø Ø	36	1	(2)	11	4	Ø	**·	<b>≯</b>	*	*
1058 11a 1	786 38 Ø												
	•	20 0 0	* (2) (2)	34	1.	Ø	2	(2)	(2)	*	*	*	**
1060 11a 1	786 38 Ø	0 0 0	* Ø Ø	1 <i>6</i> 5	(2)	Ø	1	(2)	<b>(</b> 2)	҂	*	₩.	<b>-</b> K-
1062 11a 1	786 37 Ø	1 Ø Ø	* Ø Ø	6	<b>(2)</b>	(2)	2	(2)	(2)	*	*	*	•¥·
1070 11a i	786 38 Ø	Ø Ø Ø	* Ø Ø	25	1	(2)	(Z)	1.	· (Z)	*	*	-∺-	<b>-</b> W
1073 11a 2	786 38 Ø	20 0 0	* (2) (2)	59	(Z)	1	5	1	<b>(</b> 2)	*	*	*	₩.
1076 11a 2	786 37 Ø	4Ø Ø Ø	* (2) (2)	12	(2)	1.	Ø	(2)	(2)	*	*	₩	₩.
	•												

, e g

```
24786 39 0
1079 11a 2
                                     20 0 0
                                                                        2
                                                * Ø Ø
                                                           31
                                                                  (2)
                                                                              .3
                                                                                    (2)
                                                                                         (2)
                                                                                              *
                                                                                                  *
                                                                                                       *
1080 11a 2
                    :786 39 Ø
                                     10 0 0
                                                *
                                                   (2)
                                                      (Z)
                                                           20
                                                                  2
                                                                              7
                                                                                  10
                                                                                         Ø
                                                                                              ¥.
                                                                                                       Ж,
                                                                        6
                                                                                                  *
1081 11a 2
                     786 38 Ø
                                     70 Ø 1
                                                 W
                                                   00
                                                           41
                                                                  2
                                                                        1
                                                                              Ø
                                                                                    Ø
                                                                                         Ø
                                                                                              ₩
                                                                                                  ₩.
                                                                                                       *
1083 11a 2
                    786 39 Ø
                                   290 0 0
                                                   (Z)
                                                      Q
                                                           21
                                                                  (2)
                                                                              1
                                                                                   (2)
                                                                                         Ø
                                                ₩
                                                                        1.
                                                                                              h.
                                                                                                  *
                                                                                                       *
1084 11a 2
                    786 37 1
                                     20
                                         ØØ
                                                   (2)
                                                      (2)
                                                           10
                                                                              (2)
                                                                                         (2)
                                                ·..
                                                                  (2)
                                                                        1
                                                                                    (2)
                                                                                              *
                                                                                                  *
                                                                                                       ж.
10085 11a 2
                    786 39 Ø
                                     1.0
                                         (2) (2)
                                                *
                                                   (Z)
                                                      (2)
                                                           49
                                                                  (2)
                                                                        1
                                                                              2
                                                                                   Ø
                                                                                         (2)
                                                                                              ş.
                                                                                                  ¥.
                                                                                                      ų.
1086 11a 2
                     786 37
                              -X-
                                     15
                                         00
                                                夹
                                                   (2)
                                                      (2)
                                                           15
                                                                  (2)
                                                                        2
                                                                              1.
                                                                                    1
                                                                                         (2)
                                                                                              Н.
                                                                                                  ж.
                                                                                                      **
1088 11a 2
                     786 39
                               1
                                     60 0 1
                                                ₩
                                                           35
                                                                        4.
                                                                              4.
                                                                                         (2)
                                                   Ø 1
                                                                  (2)
                                                                                    1
                                                                                              ¥.
                                                                                                  4
                                                                                                      *
                                                                                                           1
1089 11a 2
                     786 39 Ø
                                     20 0 0
                                                                              7
                                                4-
                                                   ØØ
                                                           11
                                                                  (2)
                                                                        1
                                                                                         (2)
                                                                                              *
                                                                                                  *
                                                                                                       ¥
                                                                                                           4
1090 11a 2
                    786 39 Ø
                                     40 0 0
                                                   (2)
                                                                        2
                                                                              4
                                                                                         Ø
                                                у.
                                                      (2)
                                                           24
                                                                  1
                                                                                   (2)
                                                                                              ж.
                                                                                                  ¥.
                                                                                                      ķ.,
1092 11a 2
                    786 37 Ø
                                      000
                                                   00
                                                           20
                                                                                   Ø
                                                                                         (2)
                                                ж.
                                                                  (2)
                                                                        (2)
                                                                              6
                                                                                              ж.
                                                                                                  *
                                                                                                       ķ.
                                                                                                           4
1093 ila 2
                    786 39 Ø
                                      000
                                                *
                                                   (2)
                                                      (2)
                                                           62
                                                                  1
                                                                        Ø
                                                                              (2)
                                                                                   (2)
                                                                                         (2)
                                                                                              *
                                                                                                  ¥.
                                                                                                      ¥:-
                                                                                                           ż
1096 11a 2
                     786 37 Ø
                                      000
                                                ₩.
                                                   (2)
                                                      (2)
                                                           19
                                                                  (2)
                                                                        Ø
                                                                              1.
                                                                                   (2)
                                                                                         (2)
                                                                                              *
                                                                                                  ¥.
                                                                                                      봊.
                                                                                                           J.
1098 11a 2
                    786 38 Ø
                                    40 0 1
                                                ¥
                                                   Ø
                                                      (2)
                                                           63
                                                                  (2)
                                                                        3
                                                                            31
                                                                                   3
                                                                                         Ø
                                                                                              *
                                                                                                  *
                                                                                                      ¥.
                                                                                                           ¥
1100 11a 2
                    786 38 Ø
                                   120 0 0
                                                                  2
                                                                        2
                                                *
                                                  Ø Ø
                                                                                   Ø
                                                                                         Ø
                                                                                              ķ.
                                                           16
                                                                                                  4.
                                                                                                      *
                                                                                                           Ą.
                                                                              6
1101 11a 2
                    786 35 Ø
                                    80 0 0
                                                   0 0
                                                ж.
                                                           21
                                                                  (2)
                                                                        (Z)
                                                                              (2)
                                                                                    1
                                                                                         Ø
                                                                                              ₩.
                                                                                                  ж.
                                                                                                      *
                                                                                                           ¥
1112 11a 2
                    786 38 Ø
                                      000
                                                           19
                                                                        2
                                                                              3
                                                4€
                                                   00
                                                                  1
                                                                                    1
                                                                                         Ø
                                                                                              ж.
                                                                                                  .34.
                                                                                                       *
                                                                                                           奖
1113 11a 2
                    786 38 Ø
                                     40 0 1
                                                -}(-
                                                   ØØ
                                                           23
                                                                        1
                                                                              1.
                                                                                   (2)
                                                                                         Ø
                                                                                              ₩.
                                                                                                  .}(-
                                                                                                      ₩.
                                                                  1
                                                                                                           ¥.
1115 11a 2
                    786 38 Ø
                                      500
                                                                        3
                                                   (Z)
                                                ×
                                                      (2)
                                                           11
                                                                  (2)
                                                                              Ø
                                                                                   (2)
                                                                                         (7)
                                                                                              *
                                                                                                  ₩.
                                                                                                       ж.
                                                                                                           *
1116 11a 2
                    786 38 Ø
                                     30
                                         Ø Ø
                                                   (2)
                                                           27
                                                                  Ø
                                                                        (Z)
                                                                              4.
                                                                                         (2)
                                                                                                           •5
                                                ¥.
                                                      (2)
                                                                                   1
                                                                                              ¥.
                                                                                                  *
                                                                                                      ₩.
1118 11a 2
                    786 38 Ø
                                   200 0 0
                                                ×
                                                   (2)
                                                      (2)
                                                           24
                                                                  2
                                                                        2
                                                                              3
                                                                                   9
                                                                                         (2)
                                                                                                           46
                                                                                              4.
                                                                                                  Ж.
                                                                                                      ₩.
                  786 37
1120 11a 2
                               (2)
                                      ØØØ
                                                *
                                                  'Ø Ø
                                                           4.
                                                                  (2)
                                                                        1
                                                                              (2)
                                                                                   (2)
                                                                                         (Z)
                                                                                              Þ,
                                                                                                  *
                                                                                                      *
                                                                                                           4
 943 11b 1
                  10786 35 Ø
                                      000
                                                *
                                                   Ø
                                                      (2)
                                                           20
                                                                  Ø
                                                                        Ø
                                                                              (Z)
                                                                                   Ø
                                                                                         Ø
                                                                                                           40
                                                                                              14-
                                                                                                       *
 950 115 1
                  11786 38 Ø
                                      000
                                                ж.
Ж
                                                   0 0
                                                           18
                                                                  Ø
                                                                        (2)
                                                                             0
                                                                                   (2)
                                                                                         (2)
                                                                                              *
                                                                                                  *
                                                                                                      ħ.
                                                                                                           .b.
 951 115 1
                    786 38 Ø
                                   100 0 1
                                                   (2)
                                                      (2)
                                                           28
                                                                  (2)
                                                                            10
                                                                                         (Z)
                                                ₩.
                                                                        1
                                                                                    1
                                                                                              ¥
                                                                                                  1.
                                                                                                      *
                                                                                                           40
 957 115 1
                    786 38 Ø
                                    10 0 0
                                                ×
                                                   (2)
                                                      0
                                                           48
                                                                  (2)
                                                                        (2)
                                                                             1
                                                                                   (2)
                                                                                         0
                                                                                              ¥
                                                                                                  ₩
                                                                                                      Ł.
                                                                                                           *
 959 11b 1
                    786 38 Ø
                                   130 0 2
                                                ж.
                                                   Ø Ø
                                                           29
                                                                  (2)
                                                                        (2)
                                                                            16
                                                                                   7
                                                                                         (2)
                                                                                              ₩.
                                                                                                  Ж.
                                                                                                      4.
                                                                                                           ·X
 961 11b 1
                   786 38 Ø
                                    15 0 0
                                                   Ø Ø
                                                           25
                                                                  3
                                                                        (2)
                                                                                   (2)
                                                ж.
                                                                             1
                                                                                         1
                                                                                              .<u>v</u>.
                                                                                                  у.
                                                                                                      ¥.
                                                                                                           4.
 963 11b 1
                 1 786 38 Ø
                                      300
                                                ₩.
                                                   Ø Ø
                                                           30
                                                                  (2)
                                                                        (2)
                                                                              (2)
                                                                                   (Z)
                                                                                         Ø
                                                                                              ₩
                                                                                                  ₩.
                                                                                                      *
                                                                                                           .
.
                 26786 37 Ø
 968 11b 2
                                      000
                                                   Ø Ø
                                                ¥.
                                                           11
                                                                  (2)
                                                                        (Z)
                                                                             (2)
                                                                                   Ø
                                                                                         (2)
                                                                                              *
                                                                                                  4-
                                                                                                      ₩.
                                                                                                           \mathcal{Y}_{i}
 969 11b 2
                  | 786 38 Ø
                                   100 0 0
                                                ₩
                                                   0 0
                                                           14
                                                                  1
                                                                        \emptyset
                                                                              2
                                                                                   4
                                                                                         (2)
                                                                                              *
                                                                                                  ₩.
                                                                                                      4.
                                                                                                           *
                   786 39 Ø
 971 11b 2
                                   140 0 0
                                                   Ø Ø
                                                           23
                                                                        (2)
                                                                              3
                                                                                   (2)
                                                                                         2
                                                *
                                                                  (Z)
                                                                                             ж.
                                                                                                  Ж
                                                                                                      V.
                                                                                                           ų.
 972 116 2
                    786 38 Ø
                                     10 0 0
                                                *
                                                   ØØ
                                                           18
                                                                  (2)
                                                                        (2)
                                                                              1.
                                                                                   \mathbb{Z}
                                                                                         (2)
                                                                                              *
                                                                                                  ж.
                                                                                                      4.
                                                                                                           *
 974 11b 2
                    786 38
                                    10000
                               Ø
                                                *
                                                   Ø Ø
                                                           23
                                                                  (2)
                                                                        1
                                                                              1
                                                                                   (2)
                                                                                         (2)
                                                                                             *
                                                                                                  4
                                                                                                      ¥.
                                                                                                           N.
 976 11b 2
                    786 37
                              *
                                      600
                                                   Ø Ø
                                                                                         (2)
                                                ж.
                                                           18
                                                                  (2)
                                                                        (2)
                                                                              1
                                                                                   (2)
                                                                                              ₩.
                                                                                                  *
                                                                                                      ж.
                                                                                                           Ж.
 977 11b 2
                                                                        3
                    786 37 *
                                      000
                                                                                         (2)
                                                ¥.
                                                   Ø Ø
                                                           16
                                                                  1
                                                                             (2)
                                                                                   (Z)
                                                                                             帐
                                                                                                  ж.
                                                                                                      *
                                                                                                           ж.
 978 115 2
                    786 38 Ø
                                   110 0 0
                                                *
                                                   Ø Ø
                                                           14
                                                                             4
                                                                                         (2)
                                                                                              *
                                                                                                  ₩.
                                                                                                      ¥-
                                                                                                           *
                                                                  1
                                                                        1
 980 11b 2
                    786 39 Ø
                                      000
                                                                             Ø
                                                ¥.
                                                   Ø Ø
                                                          21
                                                                  Ø
                                                                        (2)
                                                                                   1
                                                                                         0
                                                                                              ₩.
                                                                                                  *
                                                                                                      ¥.
                                                                                                           4/
 982 11b 2
                    786 39 Ø
                                      0000
                                                   00
                                                                        2
                                                4.
                                                                  (2)
                                                                            1(2)
                                                                                         (2)
                                                                                                           *
                                                           1.1
                                                                                   1
                                                                                              ж
                                                                                                  *
                                                                                                      ж.
                  786 39 0
 984 11b 2
                                    20 0 0
                                                                        \mathbb{Z}
                                                   0 0
                                                          23
                                                                  (2)
                                                                             3
                                                                                         (2)
                                                ¥-
                                                                                   Ø
                                                                                             ж.
                                                                                                  ₩.
                                                                                                      ₩.
                                                                                                           b_{\hat{t}}
 985 11b 2
                 786 39
                                    25 Ø Ø
                              (Z)
                                                W.
                                                   00
                                                           25
                                                                  1
                                                                        (2)
                                                                             8
                                                                                   Ø
                                                                                         (2)
                                                                                              *
                                                                                                  ¥.
                                                                                                      V-
                                                                                                           ¥.
 986 11b 2
                  786 38
                              (2)
                                   180 0 0
                                                //.
                                                   Ø Ø
                                                          27
                                                                  1.
                                                                        2
                                                                             4
                                                                                   5
                                                                                         (2)
                                                                                             W
                                                                                                  ₩.
                                                                                                      *
                                                                                                           .34
 973
        9
             2
                   7786 39 Ø
                                                                        7
                                    30 0 1
                                                *
                                                   00
                                                           62
                                                                  1
                                                                             8
                                                                                    1
                                                                                         1
                                                                                              ₩
                                                                                                  -}{-
                                                                                                      14
                                                                                                           1
        9
             2
1008
                    786 37 Ø
                                      600
                                                   ØØ
                                                                                         (2)
                                                ¥-
                                                           1
                                                                  (2)
                                                                        1
                                                                             (2)
                                                                                   Ø
                                                                                             ×
                                                                                                  .¥.
                                                                                                      *
                                                                                                           46
1013
        cy .
             2
                    786 35 *
                                   110 0 0
                                                                                   (Z)
                                                                                         (2)
                                                ¥.
                                                   Ø Ø
                                                           11
                                                                  (2)
                                                                        1
                                                                              (Z)
                                                                                             ₩.
                                                                                                  ₩.
                                                                                                      .
                                                                                                           4
                 24 786 39 Ø
1052 11a 1
                                   140 0 0
                                                   Ø Ø
                                                          28
                                                                       (2)
                                                                             8
                                                                                   (2)
                                                                                         (2)
                                                                                                           *
                                                X··
                                                                  ()
                                                                                             *
                                                                                                  *
                                                                                                      *
                 | | 786 39 Ø
1063 11a 1
                                      200
                                                                        2
                                                *
                                                   Ø Ø
                                                           17
                                                                  (7)
                                                                              1
                                                                                   (2)
                                                                                         (2)
                                                                                              *
                                                                                                  *
                                                                                                      *
                                                                                                           *
1066 11a 1
                    786 39 Ø
                                         0 2
                                    20
                                                *
                                                   Ø Ø
                                                           19
                                                                  Ø
                                                                        1
                                                                              1
                                                                                   Ø
                                                                                         1
                                                                                             <del>)</del>;.
                                                                                                  ₩
                                                                                                      ¥.
                                                                                                           ₩.
                   786 39
1068 11a 1
                              1
                                     10000
                                                                                                           ×
                                                ·¥-
                                                   ØØ
                                                          26
                                                                  (2)
                                                                             (2)
                                                                                   Ø
                                                                                         (2)
                                                                                             .)/-
                                                                                                  ₩.
                                                                                                      **
                                                                        1
10069 11a 1
                 786 39 1
                                     * ② 1
                                                ¥.
                                                   ØØ
                                                           1.7
                                                                  1.
                                                                        1.
                                                                             (2)
                                                                                   1.
                                                                                         Ø
                                                                                             *
                                                                                                  ₩.
                                                                                                      -X-
                                                                                                           ж.
1077 11a 2
                24 786 39 Ø
                                    80 Ø 1
                                                                                                           *
                                                   Ø Ø
                                                          26
                                                                  (2)
                                                                        2
                                                                              1
                                                                                   (2)
                                                                                         (2)
                                                                                              4
                                                                                                  *
                                                                                                      ж.
1078 11a 2
                 24 786 39 *
                                    0000
                                                   Ø Ø
                                                          20
                                                                              4
                                                                                   Ø
                                                                                         (2)
                                                                                                  *
                                                                                                      ₩
                                                                                                           ×
                                                *
                                                                  1.
                                                                        1
                                                                                             -34-
 954 11b 1
                10786 39 Ø
                                    25 0 0
                                                * (2) (2)
                                                          32
                                                                                                           34
                                                                              1
                                                                                   Ø
                                                                                         1
                                                                                                  ₩
                                                                                                      ×
                                                                 (2)
                                                                        1
                                                                                              4
```

e la participa de la compansión de la co

Table 6. Numbers of parasites in large  $\underline{H}_*$  <u>atlanticus</u> (40 to 48 cm LCF) from New Zealand.

910	9	1.	13 786				<b>(</b> 2)	*	<b>(</b> 2)	(2)	1.7	.5	5	13	1	(2)	*	*	**	
913	9	1.	786				1.	₩.	(2)	(2)	22	<b>(2)</b>	1.	1.1	(2)	Ø	**	*.	*	*7
922	- 9	1.	786		140	Ø	1	₩	(2)	(2)	36	2	2	1 i	1.	(2)	**	₩.	-₩·	3
923	9	j.	786	41 0	4(2)	(2)	<b>(</b> 2)	₩	(2)	(2)	7	1.	9	3	(2)	(2)	**	*	*	*
927	9	1.	786		340	(2)	Ø	-₩-	<b>(</b> 2)	(2)	39	4	Ø	6	Ø	(2)	-}{-	**	*	÷.
929	9	1	786	43 (2	60	(2)	<b>(</b> 2)	*	Ø	(2)	13	1.	フ	9	(2)	1.	*	*	*	8
930	Ġ	1	786	44 (2	1(2)	(2)	<b>(</b> 2)	*	Ø	(2)	4(2)	Ø	3	1.	1.	(2)	*	*	₩.	÷
931	9	1	786	42 Ø	30	(Z)	<b>(</b> 2)	**	(2)	(2)	21	(2)	2	7	1.	(2)	₩.	*	*	•₩
935	9	1.	786	40 0	10	Ø	Ø	-₩-	(2)	Ø	21	(2)	11	7	2	(2)	*	**	-}{-	<b>₽</b>
938	9	1	786	42 Ø	50	(2)	<b>(</b> 2)	*.	(2)	(2)	28	4	13	6	3	1	•₩-	*	*	•
941	9	1.	786	42 0	280	Ø	(2)	-}∜∙	(2)	(2)	23	5	18	3	17	(2)	×	₩.	*	¥
991	9	1	786	41 (2)	400	<b>(2)</b>	<b>(2)</b>	¥.	(2)	(2)	130	4	4	59	23	(2)	*	*	*	×
993	9	1	786	40 0	340	(2)	1	-}{-	(2)	(2)	44	1	9	1.4	2	(2)	*	*	-₩-	<b>-</b> X
996	9	1.	786	42 Ø	300		(2)	*	(2)	(2)	32	3	12	18	2	(2)	*	*	¥·	4.
1125	c)	1	786	42 (2			Ø	**	(2)	(2)	20	1.	.3	19	4	<b>(</b> 2)	**	₩.	*	×
1130	9	1	786	44 Ø			(2)	*	· (Z)	4.	43	4	8	9	1.1	1.	长	•₩•	*	漢
1131	9	1	786	43 Ø			<b>(</b> 2)	*	(2)	(2)	15	6	2	2	<b>(</b> 2)	(2)	₩	₩.	*	*
1132	9	1.	786	44 Ø		(2)	1	*	(2)	1	27	2	1	10	Ø	(2)	*	*	₩.	*
1148	9	1	786			Ø	(2)	*	(2)	(2)	24	2	16	5	1	(2)	₩.	*	*	×
1157	9	1	786	42 Ø			(2)	*	(2)	(2)	34	.3	10	10	7	Ø	*	•₩-	₩.	¥
1164	9	1	786	40 (2			(2)	*	(2)	(2)	23	2	Ø	4	1	(2)	₩.	*	-₩-	*
1165	9	1.	786	42 Ø			(2)	₩.	(2)	Ø	28	5	1	9	3	Ø	₩.	*	*¥∙	·X
1166	9	1	786			<b>(</b> 2)	1	*	Ø	(2)	15	Ø	5	7	2	1	•₩·	*	<del>-){</del> -	¥.
1170	9	1.	786	43 Ø			Ø	*	(2)	(Z)	28	10	19	3	16	1	*	¥-	₩	**
1184	9	1	786			(2)	(2)	·*	Ø	(2)	31	4	Ø	2	3	Ø	**	*	*	*
1186	9	1.	786	43 Ø			Ø	•¥·	(2)	(2)	24	Ø	2	24	3	1	*	*	<del>.</del> X-	Æ
1189	9	1	786			(2)	1	*	Ø	(2)	36	8	12	3	18	1	· <b>)</b> {-	•¥∙	*.	<b>.</b> ¥
1191	9	1	786	41 0			0	₩.	(2)	Ø	76	1	(2)	26	(2)	1	**·	*	- <del> </del> -	·K
1193	9	1	786	41 0			(2)	*	(2)	(2)	32		ç)	3	7	Ø	*	-₩-	*	₩
1196	9	1	786	41 Ø			Ø	*	(2)	(2)	38	8	13	28	8	1	₩-	-X-	*	*
1004	ģ	2	7786	40 0			Ø	*	(2)	(2)	21	1.	(2)	1	2	Ø	*	₩.	*	*
1009	9	2	786	41 *			(2)	-¥-	(Z)	(2)	1(2)	Ž	(2)	Ø	2	(2)	*	*	*	¥.
1022	9	2	786	42 Ø		(2)	1	*	(Z)	(2)	12	(2)	2	6	1	Ø	*	*	-*.	¥
1029	9	2	786	40 0			Ø	*	Ø	(2)	18	2	16	9	18	2		₩	*	46
1042	ģ	2	786	40 0		(2)	0	*	(Z)	(2)	16	2	6	Ź	1	(Z)	-₩-	*	*	
1146	Ġ	-	786	41 Ø			(Z)	₩.	(2)	(Z)	30	(2)	2	4	3	Ø	*· *	*.	*	· 1
1188	ģ	2	786			(Z)		**	(2)	(2)	36	Ø	1.	8	4	(2)		₩	*	*
1291	10a	1	2 <b>8</b> 86	40 0			2)	*	0	Ø	16	Ø	1	1.	(Z)	(Z)	*	₩.	*	¥
1292	10a	1	786	42 0		(2)	1	*	(2)	Ø	31	Ø	2	1	1	(2)	*	-}6;-	**	×
1296	1Øa		786	40 0			Ø)	*	Ø	Ø	14	Ø	4	5	1	(2)	*	*	₩.	*
1297	10a		786	42 0		(2)	1	₩.	(2)	(2)	27	1	3	17	2	(2)	-₩	-₩-	*	*
1302	10a	1	786	41 0			Ø	*	(2)	(2)	22	Ø	2	1.	(Z)	(2)	*	₩.	₩.	₩.
1303	1 Ø a		786	43 0			Ø	₩.	(2)	(2)	26	2	1.	3	(2)	Ø	₩.	-₩-	*	₩.
1304	10a		786	42 Ø			Ø	*	(2)	(2)	114	(2)	2	4.	5	0	- <del>1</del> 4-	*	*	*
1306	10a		786	41 (2)			(2)	*	(2)	Ø	17	1.	Ø	1	Ø	Ø	₩	 -} <del>\</del> -	*	*
1310	1Øa		786	40 0			Ø	*.	(Z)	Ø	38	Ø	1	3	Ø	Ø	₩.	₩.	*	*
1311	1Øa		1 786	41 (2)			Ø	. <del>.</del>	(Z)	(2)	27	1	(2)	(2)	Ø	1	*	*	*	₩.
1313	10a	1	786	4(2) *			Ø	*	(2)	(2)	22	 1.	(Z)	5	Ø	(2)	*	*	*	-¥-
1315	10a	1	786	43 0			Ø	*	(Z)	(2)	24	1.	1	5	1	Ø Ø	*	*	*	₩.
1317	10a	1	786	41 0	2		1	*	(2)	(2)	12	<i>(</i> 2)	1	2	1	Ø	*	*	*	₩.
1320	1 Ø a	1	786	42 0		(2)	2	*	(Z)	Ø)	23	2	1.	6	Ø	Ø	-¥-	*	-¥-	*
1321	10a		786	40 0			<u></u> . Ø)	*	Ø	Ø	24	22) (2)	(2)	1	Ø	(Z)		*	-₩-	₩.
1327	10a		786	40 0			(Z)	*	Ø	(Z)	7	(2)	1.	 (Z)	(Z)	Ø	• <del>X</del>	*	₩	₩.
الاستقالية على	a war cal	۵.	1 200	I. #77 - #73	(c.)	W!	V.J	^	#7	(L.)	′	K.J	<b>.</b> l.	IC.)	(C)	Q.)	^	*	Α.	**

1336 10a 1	2 <b>8</b> 86	40 0	(2)	Ø Ø	*	Ø	Ø 3	1 1	1	5	<b>(</b> 2)	Ø	₩-	-}{√-	¥-	2
1341 10a 1	-	42 0		00	₩.		0 1		(2)	1	Ø	Ø	*-	••	*	÷
	1 1	40 0														
	1 1			ØØ	*			7 (2)		<u> </u>	(2)	1	*	*	₩.	
1350 10a 1	1 1	42 Ø		Ø Ø	·ķ.	<b>(</b> 2)	Ø 1°		4	17	6	Ø	*	*	*	*5
1355 10a 1	786	42 Ø	(2)	Ø Ø	·¥-	Ø	Ø 3:	5 2	4	3	(Z)	(2)	*	*	*	
1356 10a 1	786	40 0	(2)	(2) (2)	*	(2)	Ø 20	5 Ø	(2)	(2)	(Z)	<b>(</b> 2)	₩.	₩.	-₩-	+5
1357 10a 1	786	41 Ø	Ø	ØØ	•}{·	Ø	Ø 34		3	12	1	(2)	*	₩.	<b>.</b> K·	
1240 10a 1	1 !	42 Ø														
	1 1			Ø Ø	*				7	17	8	Ø	<b>H</b> -	*	*	•}t
1242 10a 1	1 1	41 Ø		ØØ	*	<b>(</b> 2)	Ø 1.			22	.5	<b>(</b> 2)	*	*	•₩-	÷
1243 10a 1	1786	44 (2)	(2)	Ø Ø	*	(2)	Ø 31	7 (2)	2	2	(2)	Ø	₩.	*	₩-	·}:
1254 1Øb 1	3 886	41 (2)	(2)	Ø Ø	₩.	<b>(2)</b>	Ø 1.	2 (2)	3	2	2	(2)	•};∢-	•}{-	•₩-	ب
1268 10b 1	1786	40 1	<b>Ø</b>	Ø 1	₩.	(2)	Ø 1 <i>6</i>		Ø	4	Ø	Ø	*	*	<del>Д</del> .	Ą
1269 106 1	1 1	41 Ø		00	-}4-		0 1		Ø	3	Ø	(Z)	- <del>){</del> -		₩.	÷
	1 1															
1272 105 1	, ,	40 Ø		0 2	*		Ø 44		<b>Ø</b>	63	Ø	Ø	-₩-	-}{-	₩.	7
1280 10b 1		4Ø Ø	Ø	ØØ	-₩-	(2)	Ø 20		(2)	<b>(</b> 2)	(2)	<b>(</b> 2)	*	**:	*	¥
1371 10b 2	2 🎖 86	40 Ø	(2)	Ø Ø	茶	<b>(</b> 2)	Ø 5	5 Ø	Ø	1	1	(2)	*	**	*	4
1372 10b 2	786	4(2) (2)	(2)	Ø Ø	-₩-	(2)	Ø 10	5 1	4	.3	8	Ø	-₩-	*	*	40
1373 1Øb 2	78 <i>6</i>	44 (2)	(2)	Ø Ø	*		Ø °		(2)	1.	1	Ø	*	*.	*	<b>.</b> ¥
1375 10b 2	1 ;	41 Ø		Ø 1	-₩-		 Ø 14		Š	2	Ø	(2)	*	*	*	¥
	1 1															
1376 10b 2	1 1	41 Ø		00	*		Ø 13		5	(2)	1.	(2)	*	*	*	4
1378 10b 2	1 1	44 (2)	(Z)	Ø Ø	*	<b>(</b> 2)	0 75		2	1.	3	(2)	·¥-	*	•₩-	4
1379 10b 2	786	43 Ø	(2)	ØØ	₩.	Ø	Ø 21	2 Ø	(2)	5	Ø	(2)	*	*	#	·¥
1384 10b 2	786	4Ø Ø	Ø	Ø Ø	₩	(2)	Ø 31	2 Ø	(2)	6	(2)	(2)	*	-₩-	-₩-	*
1390 10b 2	1 1	4Ø Ø		(2) (2)	*		Ø 11		1	(2)	1.	(2)	*	*	*	*
1391 10b 2	1 1	41 1		Ø 1	*					3			- <del>K</del> -	*	*	
	: 1								Ø		Ø	1				*
1392 10b 2	1 2	40 0		Ø Ø	*		Ø 16		1	(2)	Ø	(2)	*	₩.	*	₩
1393 10b 2	1 /	41 Ø	Ø	Ø Ø	•₩-	(2)	Ø 14		Ø	37	<b>(</b> 2)	(Z)	•₩·	*	*	46
1394 1Øb 2	1786	42 *	80	Ø Ø	<b>-X</b> -	(2)	Ø 20	5 Ø	5	5	1	(2)	*	*₩-	*	34
1395 10b 2	1786	40 0	1 Ø	Ø 1	-₩-	(Z)	Ø 2:	2 1	1	(2)	Ø	Ø	×	₩.	*	#
1396 1Øb 2	£ i	42 Ø		(2) (2)	*		1 60		Ø	8	(2)	Ø	₩.	-}{-	*	<b>.</b>
1397 10b 2	1 1	41 ②		00			0 1:									
					·*·				Ø	Ø	(2)	(2)	₩.	*	*	₩
1047 11a 1	•	41 Ø		Ø Ø	·¥-		Ø 56		Ø	2	1.	(2)	*	₩	₩.	₩
1Ø49 11a 1	1 1	41 (2)	20	ØØ	₩	(2)	Ø 4 <i>6</i>	5 (2)	1	3	Ø	Ø	*	-}(-	-₩-	₩
1050 lla 1	786	41 (2)	5	Ø 2	*	<b>(2)</b>	Ø 36	5 J	(2)	1.	1.	(2)	₩.	*	*	*₩
1051 11a 1	786	44 Ø	20	Ø 1	₩	Ø :	0 34	<b>(2)</b>	1	44	Ø	Ø	*	-₩-	-₩-	<b>-</b> ¥0
1053 11a 1	1 1	4Ø Ø		00	*	(2)	<ul><li>(2) 4 8</li></ul>		1	1.	Ø	1	₩.	· <del>K</del> ·	- <del>X</del> -	40
1054 11a 1	786			ØØ	*		Ø 29		1	8	****	<i>(</i> 2)				
	1 1										Ø		-₩-	*	₩.	*
1057 11a 1		41 Ø		Ø Ø	*		Ø 19		1.	(2)	(2)	(2)	₩	*	*.	*
1061 11a 1	1 1	41 (2)		Ø Ø	*	<b>(2)</b>	Ø 18		1	8	Ø	(2)	**	*.	-₩-	*
10064 11a 1	786	41. Ø	130	Ø Ø	*.	(Z) (	(2) 18	} (Z)	1	12	1.	(2)	*	*	*	¥.
10065 11a 1	786	44 (2)	(2)	Ø Ø	**	<b>Ø</b>	Ø 36	a (2)	Ø	.3	(2)	(2)	*	₩.	₩.	**
1067 11a 1	786	44 1	<b>(</b> 2)	20 (2)	.⊭.	(2)	Ø 56		(2)	48	(2)	Ø	*	*	*	₩.
1071 11a 1		41 Ø		Ø 1	•}∕-		0 27		(Z)	4	9	Ø	*	*	₩	*
1072 11a 2		44 (2)		20 (2)			0 20			•	Ø					长
					*				(Z)	5		(2)	**	*	¥.	
1074 11a 2	1 :	41 Ø		ØØ	*		Ø 26		7	6)	1	(2)	-₩-	*₩•	**	*
1087 11a 2	786	4() *	80	Z) (Z)	*.	(2)	Ø 31	2 (2)	1.	4.	(2)	(2)	₩.	*	*	×
1091 11a 2	786	41 Ø	160	(2) (2)	*	(Z) (	Ø 28	3 1	(2)	14	(2)	(2)	¥	长	₩	₩
10094 11a 2	786	43 Ø	250	2) (2)	· <b>X</b> ·	(2)	Ø 50	(2)	Ø	12	(2)	(2)	1	*	*	• <del>X</del> ·
1095 11a 2		41 (2)		Ø Ø	• <b>X</b> •		0 24		(2)	2	(Z)	Ø	*	*	-₩-	<b>-</b> }{-
1097 11a 2	786			D 1			2 35			ç,		Ø				•¥·
	į.				*				Ø		1		₩.	*	*	
1099 11a 2	1	41 (2)		Ø 1	₩.		Ø 39		22	12	9	Ø	×	*	*	₩
1102 11a 2	i	41 Ø		Z 1	*	Ø (	Z) 8:1		1	17	Ø	(2)	*	₩	*	*
1103 11a 2	786	42 Ø	5	Ø Ø	•}{-	(2)	Ø 38	} (2)	2	14	Ø	(2)	*	*	*	74.
1104 11a 2	786	42 Ø	(2)	Z) (Z)	*	(2) (	Z) 38		2	.3	(2)	(2)	*	*	*	34.
1105 11a 2		42 Ø		(Z) (Z)	*		Ø 38		(2)	2	1	(2)	-}∺-	*	₩.	*
1106 11a 2	i i	43 0		2 (2)	₩.		20 29 20 29		(2)	S	Ø	(Z)	-¥·	*	₩.	**
							,									
1107 11a 2		43 Ø		00	₩.		0 33		(Z)	1	1.	Ø	*	*	₩.	*
1108 11a 2		41 Ø		Z 2	Х-		Ø 50		1	රා	Ø	Ø	44.	*.	*	*
1109 11a 2	786	40 Ø	10	Ø 1	₩	(Z) (	Ø 24	2	4	19	1.	(2)	*	*:	•₩·	*

1.	110	11 <i>a</i>	2	24	1786	41	(2)	20	(2)	1	¥:	(2)	(2)	32	(2)	(2)	22	$\mathbb{Z}^2$	(2)	₩.	₩.	<b>.</b> *.	-:
1.	111	11a	$\mathbb{R}$	1 1	786	42	(2)	Ø	(2)	1	*	(Z)	(Z)	32	(2)	$ ot\!$	i	(2)	(Z)	*	₩.	•₩-	.;
1	114	11a	2	}	786	41	(2)	5	(Z)	(Z)	*	(2)	(2)	19	Ø	1.	16	(2)	2	*	₩.	×	÷
j.	117	11a	2		786	42	(Z)	70	(2)	(2)	*	(2)	(2)	56	1	3	2	(2)	<b>(</b> Z)	*	₩	*	3
1	119	11a	2	-	786	4.3	(2)	170	(2)	i	*	(2)	(2)	39	Ø	1.	24	Ø	(2)	*	*	*	D.
1.	121	11a	2		786	42	(Z)	(2)	(2)	(2)	*	(2)	<b>(</b> 2)	25	(Z)	1	3	4	(2)	*	*	**	÷
	944	1.1 to	1	10	786	44	(2)	90	(2)	1	*	(2)	(2)	25	(2)	3	22	(2)	(2)	*	*	*	÷
	946	$1.1  \mathrm{b}$	1.	1	786	42	Ø	120	(2)	(2)	×	(2)	(2)	22	Ø	Ø	3	1.	1.	₩.	*	*	3
	947	1.1b	1	-	786	41	(2)	100	Ø	<b>(</b> 2)	*	Ø	(2)	59	Ø	1	3	1	1	*	**	-₩-	3
	948	116	1		786	41	(2)	70	(2)	(2)	*	(2)	1	40	(2)	1	2	(2)	(2)	*	<del>4.</del>	*	#
	949	11b	1.		786	42	(2)	100	Ø	2	*	(2)	(2)	29	(2)	Ø	11	<b>(</b> 2)	<b>(</b> 2)	*	•₩-	∗₩∙	3
	953	1.1b	1		786	42	(Z)	1 🕖	(2)	(2)	*	(2)	(2)	27	1.	Ø	2	(2)	(2)	*.	*	*	*
	955	1.1 to	1.		786	44	(2)	(2)	<b>(</b> 2)	(2)	₩	Ø	Ø	51	Ø	1	1.	(2)	Ø	*	*	*.	ą.
	956	1.1b	1		786	44	(2)	20	<b>(</b> 2)	Ø	75.	<b>(2)</b>	(2)	28	1	1	10	<b>(2)</b>	(2)	-₩-	*	*	*
	958	11b	1.		786	4(2)	(2)	.3	(2)	(2)	₩.	Ø	(2)	27	(2)	2	6	(2)	1	. <del>).</del> (.	*	**	*
	960	11b	1.		786	4 (2)	<b>(</b> 2)	6Ø	(2)	(2)	*	<b>(</b> 2)	(2)	32	1	Ø	7	Ø	(2)	*	₩.	₩.	×
	962	11b	1.	, ,	786	4(2)	(2)	Ø	(2)	(2)	**	(2)	(2)	23	(2)	2	(2)	1.	Ø	*	₩-	-¥-	¥.
	964	1 1 b	2	26	786	41	(2)	35	(2)	(i)	*	(2)	(2)	34	7	(2)	3	<b>(</b> 2)	(Z)	*	*	*	煮
	965	11b	2	1	786	40	(Z)	(2)	(2)	(2)	*	Ø	(2)	42	(2)	.3	47	(2)	(Z)	*	*	*	*
	966	11b	2		786	44	(2)	70	(2)	<b>(</b> Z)	₩.	(2)	(2)	28	2	(2)	2	<b>(</b> 2)	1.	*	*	*	40
	967	1.1b	2	İ	786	45	(2)	50	<b>(</b> Z)	(2)	₩	Ø	<b>(</b> 2)	17	E.	(2)	27	1	<b>(2)</b>	₩	*	*	*
	970	11b	2	1	786	4(2)	(2)	35	(2)	(2)	₩	(Z)	(Z)	61	Ø	1.	B	(2)	(2)	*	*	-₩-	₩
	975	1.1b	2		786	45	(2)	120	Ø	(2)	*	(2)	(2)	31	(2)	1.	4	, <b>(</b> 2)	(Z)	*	•¥∙	*	*
	979	1.1b	2		786	41	*	(2)	(2)	1	*	(2)	(2)	19	<b>(</b> 2)	(Z)	1.	(2)	(2)	**	₩.	₩	₩
	981	11b	2	- 1	786	4(2)	(2)	5	(2)	(2)	₩	(2)	(2)	19	(2)	Ø	22	Ø	(2)	*	₩-	*	¥
	983	1115	2		786	41	Ø	60	(2)	Ø	₩.	(2)	(2)	39	(2)	(2)	18	(2)	<b>(</b> Z)	₩.	*	₩.	₩
	987	1 1 b	2		786	41	(2)	200	(2)	Ø	*	Ø	(2)	61	2	6	7	(2)	(2)	*	₩.	*	*
	988	115	2	1 1	786	41	1	14(2)	<b>(</b> 2)	(2)	₩.	(2)	(2)	28	<b>(</b> 2)	2	6	(2)	(Z)	**	*	*	•Ж-
				_																			
	906	9	1.	13	786	43	(2)	30	<b>(</b> 2)	(2)	₩	Ø	(Z)	41	1	Ø	5	1	(2)	*	*	₩.	₩
	907	9	1.	11	786	45	(2)	140	(2)	<b>(2)</b>	*	(2)	(2)	14	Ø	9	8	(2)	<b>(</b> 2)	*	**	*	₩
	169	9	1.		786	45	Ø	90	<b>(</b> 2)	(2)	*	(2)	(2)	29	.3	7	7	5	(2)	*	*	*	₩
	992	9	2	΄7	786	49	(2)	Ø	(2)	1.	*	(2)	(2)	279	Ø	(2)	58	(2)	(2)	*	₩·	*	*
1	.255	1Øb	1.	3	887	4(2)	Ø	100	Ø	(2)	₩	<b>(2)</b>	(2)	18	(2)	Ø	3	(2)	(2)	*	¥,	₩-	K
	261	1Øb	1	1	787	40	(2)	50	(2)	(2)	*	Ø	(Z)	1 🕖	<b>(</b> 2)	1.	<b>(</b> 2)	Ø	(2)	₩.	₩	*	**
	.263	1Øb	1	١	787	40)	Ø	Ø	Ø	Ø	*	Ø	(2)	26	(2)	7	2	(Z)	(2)	*	*	*	₩
1	265	105	1.	)	∤87	40	(2)	(2)	(2)	1.	*	(2)	(2)	9	2	2	10	(2)	Ø	*	*	*₩*	¥

Table 7. Details on the sources of the samples. (The number in each sample refers to those used in the analysis and does not include the short and long fish removed to equalize the areas.)

Area	Sample number	Capture date	Numb Sml	er in Med	sampl Lge	e Position
1	1	5/6/83	10	2	Ø	33° 44' S, 129° 40' E
1	2	9/11/84	1	15	15	34° Ø6' S, 131° 57' E
1	3	10/11/84	1Ø	13	8	33° 42' S, 130° 31' E
1	4	12/11/84	8	31	7	33° 53' S, 131° Ø7' E
l TOTAI	5	3/6/85	1Ø <b>39</b>	12 <b>73</b>	7 <b>37</b>	"Great Australian Bight"
2	1	unknown	. 9	6	Ø	"off Port McDonnell"
2	2	83	3	6	Ø	"off Robe"
2	3	31/10/84	5Ø	11	5	37° 46' S, 139° 28' E
2 TOTAI		15/12/84	26 <b>88</b>	11 34	5 <b>1</b> Ø	37° 55' S, 139° 44' E
3	1	12/10/83	6	Ø	4	40° 26' S, 143° 20' E
3 <b>TOTA</b> I		13/10/83	7 <b>13</b>	15 <b>15</b>	14 18	40° 28' S, 143° 18' E
4	1	20/6/84	14	23	16	41° 44' S, 144° 23' E
4	2	27/7/84	Ø	Ø	5	"off Sandy Cape"
4 TOTAL		18/10/85	12 <b>26</b>	9 <b>32</b>	14 35	41° 37' S, 144° 21' E
5	1	21/10/83	2	10	8	42° 13' S, 144° 38' E
5	2	22/10/83	Ø	2	Ø	unknown
5 <b>TOTA</b> I		23/10/83	1Ø <b>12</b>	8 <b>2</b> Ø	7 <b>15</b>	42° 16' S, 144° 42' E

Table 7, continued

	Sample number		Numbe Sml	er in Med	sampl Lge	e Position
6	1	unknown	Ø	2	14	"Cascade Plateau"
6	2	24/9/85	7	4	10	43° 56' S, 150° 35' E
6	3	29/11/85	Ø	Ø	3	43° 56' S, 150° 35' E
6	4	17/3/86	Ø	4	13	47° 29' S, 148° 30' E
6 <b>TOTA</b> I	5	31/3/86	ø <b>7</b>	8 <b>18</b>	23 <b>63</b>	47° 28' S, 148° 39' E
7	1	3/9/83	14	4	1	41° 43' S, 148° 38' E
7	2	28/10/83	4	4	6	41° 44' S, 148° 39' E
7	3	10/6/84	Ø	4	7	"off Paddy's Head"
7	4	17/1/85	13	9	23	41° 37' S, 148° 42' E
7	5	11/9/85	14	5	15	"off Paddy's Head"
7	6	26/4/85	13	17	22	"off Paddy's Head"
7 <b>TOTA</b>	7 <b>L</b>	27/6/85	3 <b>61</b>	9 <b>52</b>	8 <b>82</b>	"off Paddy's Head"
8	1	12/2/86	1Ø	5	Ø	33° 29′ S, 152° 13′ E
8 <b>TOTA</b>	2 L	12/2/86	23 <b>33</b>	14 <b>19</b>	Ø Ø	33° 30' S, 152° 12' E
9	1	13/7/86	51	11	31	39° 48.2' S, 168° 5.2' E
9 <b>TOTA</b>	2 L	7/7/86	35 <b>86</b>	52 <b>63</b>	7 38	40° 4.7'S, 167° 59.1' E
1Øa <b>TOTA</b>	1 L	2/8/86	22 <b>22</b>	41 <b>41</b>	26 <b>26</b>	43° 6.7' S, 168° 51.6' E
1Øb	1	3/8/86	12	17	5	43° 8.5' S, 168° 52.1' E
1Øb <b>TOTA</b>	2 L	2/8/86	4 16		16 <b>21</b>	43° 19.9' S, 168° 36.5' E
lla	1	24/7/86	2	6	12	42° 49.5' S, 177° 15.7' W
lla TOTA	2 L	24/7/86	2 <b>4</b>		22 <b>34</b>	42° 49.1' S, 177° 5.6' W
11b	1	10/7/86	Ø	7	11	42° 50.2' S, 177° Ø.6' W
llb TOTA	2 AL	26/7/86	Ø <b>Ø</b>		11 <b>22</b>	42° 49.2' S, 177° 2.2' W

Table 8. Accession numbers for representative specimens of parasites of <u>Hoplostethus atlanticus</u> lodged in the Queensland Museum, Brisbane, Australia.

Parasite species	Accession number	r
Sphaeromyxa sp.	GL 10024	
Spirurid sp.	GL 10025	
Hepatoxylon trichiuri	GL 10026	
Tentacularia sp.	GL 10027	
Sphyriocephalus sp.	GL 10028	
<u>Callitetrarhynchus</u> sp.	GL 10029	
Anisakis type 1	GL 10030	
Anisakis type 2	GL 10031	
Anisakis type 3	GL 10032	
Terranova sp.	GL 10033	
Echinorhynchus sp.	GL 10034	
Ascarophis sp.	GL 10035	
Glomericirrus amadai	GL 10036	
Pseudopecoelus sp.	GL 10037	

Stock discrimination of orange roughy <u>Hoplostethus</u> <u>atlanticus</u> by parasite analysis

R.J.G. Lester<sup>1</sup>, K.B. Sewell<sup>1</sup>, A. Barnes<sup>2</sup> and K. Evans<sup>3</sup>

<sup>1</sup>Department of Parasitology, University of Queensland, Brisbane, Australia 4067

<sup>2</sup>Faculty of Science, University of Queensland, Brisbane, Australia 4067

<sup>3</sup>Department of Sea Fisheries, Hobart, Australia 7000

Send proofs to: Dr. R.J.G. Lester
Department of Parasitology
University of Queensland
Brisbane
Australia 4067

### Abstract

The parasite fauna of the viscera of 1251 orange roughy Hoplostethus atlanticus from eight areas off southern Australia and three areas off New Zealand was examined for evidence of discrete host populations. Fish from each area were divided into three length groups which averaged close to 28, 37 and 42 cm. Canonical multivariate analysis of data on larval nematodes (Anisakis spp., Terranova sp., and a spirurid) and larval cestodes (Hepatoxylon trichiuri and Callitetrarhynchus sp.) discriminated five Australian and three New Zealand stocks. were: Great Australian Bight; South Australia/west Victoria/west and south Tasmania; Cascade Plateau/Tasman Rise; north-east Tasmania; New South Wales; north-east New Zealand; south-east New Zealand; and west New Zealand. No significant differences in parasite fauna were detected between samples of fish taken within the spawning season and those taken outside the spawning season In one southern Australian stock there was a in the same area. north-south cline in the numbers of Anisakis spp. This was apparent in both small (immature) and medium-sized (mature) fish. We conclude that H. atlanticus is a sedentary species with little movement between fish management zones.

# Introduction

Orange roughy <u>Hoplostethus</u> <u>atlanticus</u> is the basis of an established trawl fishery in New Zealand (Robertson, Grimes and

McMillan, 1982) and an emerging deep water trawl fishery in Australia (Wilson, 1982). The fish occurs in 900 to 1200 metres. A feasible means to tag it has not yet been developed.

The New Zealand fishery is based on aggregations thought to be associated with spawning. Robertson et al. (1982) suggested that between spawnings, fish were dispersed over several management areas, and that fish on the west of New Zealand probably constituted a single spawning stock. Isoenzyme studies on New Zealand and Atlantic fish showed that the species had high heterozygosity (Smith, 1986). Smith suggested that the species was widely distributed in the world at the 1000 metre isobar and the genetic similarity between the New Zealand and North Atlantic fish could be maintained by gene flow along the slope edge and gene-hopping between ocean ridges and sea mounts. He was unable to distinguish any stocks around New Zealand.

The use of parasites for separating marine stocks is a well established technique (Sindermann, 1983; MacKenzie, 1983,1987). Parasites, particularly larval stages, survive for extended periods in fish and some persist until the fish dies. As parasite species are rarely distributed uniformly over the host range, juveniles in one area will acquire a parasite species but not those in another. Thus the parasite fauna of adult fish reflects the environment in which it has grown. Margolis (1965) separated sockeye salmon in the north Pacific Ocean into those of North American or Asian origin using parasites acquired during the fishes' juvenile freshwater phase. In 1939 Dogiel and Bykhovski distinguished two stocks of sturgeon in the Caspian Sea using parasites common in the northern less saline waters but

largely absent from the south (Dogiel, 1961).

We used the natural parasite fauna of orange roughy to determine if there were consistent differences between fish from different geographical areas around Australia and New Zealand.

### Materials and methods

Orange roughy were collected from 11 areas off southern Australia and eastern and western New Zealand (Fig. 1); these were: Great Australian Bight (area 1), South Australia (area 2), west Tasmania (areas 3 to 5), Cascade Plateau and Tasman Rise (area 6), east Tasmania (area 7), New South Wales (area 8), Challenger Plateau (area 9), combined Cook and Moeraki Canyons (area 10), and the Chatham Rise (area 11). Of the 1422 fish examined, 874 were provided by the Tasmanian Department of Sea Fisheries, 74 by the New South Wales Department of Agriculture Fisheries Division, and 474 by the New Zealand MAF Fisheries Research Centre. were either gutted at sea or held in chilled brine for a maximum of 3 days and gutted immediately on landing. The viscera were stored frozen after being placed in a plastic bag with a label giving the fish caudal fork length (LCF), cruise number and haul They were later thawed and separated into their number. component parts for parasitological examination.

Parasites (Table 1) were recorded using the following methods. Prevalence of Sphaeromyxa sp. was assessed by searching for spores in gall bladder fluid using a compound microscope (x40 objective) for a maximum of five minutes. Trypanorhynch larvae (Hepatoxylon trichiuri, Callitetrarhynchus sp., Sphyriocephalus sp. and Tentacularia sp.), the larval anisakid nematodes

(Anisakis spp. and Terranova sp.) and an unidentified species of larval spirurid were found in the mesentery and gut wall using the naked eye and a dissecting microscope with transmitted light. Digenea (Glomericirrus amadai and Pseudopecoelus sp.), Acanthocephala (Echinorhynchus sp.), tetraphyllidean larvae (Scolex polymorphus) and the nematode Ascarophis sp. found in the washings from the lumen of the stomach and intestine using a dissecting microscope. Representative specimens of these parasites have been lodged in the Queensland Museum; for accession numbers and a listing of the raw data see Sewell and Lester (in press).

The data were analysed in three ways: summary statistics, investigation into the similarities and disimilarities of the parasite fauna between areas, and investigation of seasonal differences in average parasite numbers between areas.

Fish from each sample were divided into three size groups, small (20 to 34 cm LCF), medium (35 to 39 cm LCF) and large (40 to 48 cm LCF). Short or long fish were removed from each size group until the average length of each group was approximately 28, 37 and 42 cm LCF respectively, except for New Zealand samples where the average length of the small category was 29.8 cm LCF. Of the total number of fish dissected (1422), 1251 were used in the analyses. For each size group, the similarities and dissimilarities between areas were examined using canonical multivariate analysis (Mardia et al. 1979). The method was essentially as described by Lester, Barnes and Habib (1985) for their analysis of data from skipjack tuna. A single transformation of the natural logarithm of the number of

parasites plus one, was used on all parasite numbers. To further remove bias due to associations between parasite numbers and fish length, within each fish size group, transformed counts were adjusted for fish length. For each parasite species, a regression of transformed parasite number on fish length was undertaken, and the resulting relationship used to adjust the parasite numbers to that expected for a fish of 28, 37 or 42 cm LCF. No adjustment was made if the parasite number was zero.

A random number between -0.05 and +0.05 was added to all parasite data. This allowed matrix inversion in the canonical variate analysis which was otherwise impossible as some parasites were absent from some samples. The small addition did not significantly affect the outcome. The results of the canonical analyses were displayed as plots of the first, second and third canonical axes. Confidence limits (99%) for the points are presented as circles with radius equal to the square root of, 9.21 divided by the number of fish in the sample. Confidence limits at 95% were visualised as circles with radius equal to the square root of 5.99/number of fish in sample (Mardia et al. 1979).

The differences in average log (parasite number +1) between fish taken during the spawning season and those taken from the same site outside the spawning season, were investigated on 4 separate pairs of samples by an analysis of that variance which remained after each of a series of 5 models were fitted to the data. Model 1 was the total variability about the mean in the 237 fish tested. Unexplained variability was progressively reduced by successive models as follows: model 2 removed simple linear length effects; model 3, average differences between

sites; model 4, common seasonal differences between sites; and model 5, seasonal differences between sites. Using hierarchical and other analyses of variance constructed from the results of these models, it was possible to determine whether evidence existed for the presence of seasonal differences, either as common differences over all sites or as differences at particular sites.

#### Results

The 17 categories of parasites recognized (Table 1) were first evaluated for their probable longevity in fish and hence their reliability as host population markers. Intestinal helminths (No.s 13 to 17) were considered likely to be unreliable as their number could be affected by changes in diet (Lester et al., 1985). Some of these, such as the digenean Pseudopecoelus sp. (No. 11), the acanthocephalan Echinorhynchus sp. (No. 13), and the ascarophid (No. 14) showed negative correlations with host length (last column, Table 1) which suggested that they were parasites of juvenile fish which were lost as the fish grew. The prevalence of the gall bladder parasite Sphaeromyxa sp. (No. 1), also decreased as host length increased, suggesting a shortlived infection. The larval cestode Sphyriocephalus sp. (No. 6) encapsulated in the wall of the gut was too rare to be useful. Cysts containing Tentacularia sp. (No. 5) were common in the stomach serosa but many of them were degenerating. their small size made identification difficult and time consuming; they were not counted after 165 fish.

Parasites counted in all fish and used in the analyses were:

an unidentified larval spirurid (No. 2); the larval cestodes

Hepatoxylon trichiuri (No.s 3 and 4) and Callitetrarhynchus sp.

(No. 7); and the larval anisakid nematodes Anisakis type 1,

Anisakis type 2, Anisakis 3, degenerate Anisakis spp. and

Terranova sp. (No.s 8 to 12).

The spirurid (No. 2) was embedded in small brown cysts <0.5 mm. diameter in the wall of the stomach. Hepatoxylon trichiuri was encapsulated in the mesentery. It was identified from its large size, globular shaped tentacles and solid hooks the largest of which were longer than 180 um. Though it was uncommon, it was used because both live and dead worms were readily detected as a result of their large size and persistent hooks. Data on live (No. 3) and degenerate (No. 4) worms were combined for the analyses. Anisakis type 1 (No. 8) had a relatively long ventriculus with an oblique ventriculo-intestinal junction and a rounded mucron-bearing tail. Anisakis type 2 (No. 9) had a short ventriculus, a horizontal ventriculo-intestinal junction and a pointed tail with no mucron. Anisakis type 3 (No. 10) was a stout worm with a short ventriculus, a horizontal ventriculo-intestinal junction and a short mucron. Live and dead Anisakis were common in the mesentery and encysted in the wall of the gut, especially the stomach. Terranova sp. (No. 12) was a much smaller worm than any of the Anisakis species, had a prominent intestinal caecum and was usually found encapsulated in the stomach wall and occasionally the mesentery.

The nine parasite categories used in the analysis (No.s 2 to 4 and 7 to 12) showed positive correlations with host length (Table 1) suggesting they accumulated as the fish aged. This and the observations of other workers on closely related parasites

(MacKenzie, 1982) suggested that they may be reliable host markers.

Multivariate analyses of these data showed that for the small Australian fish the parasite fauna in NSW (area 8) was distinct from other Australian areas, most of which were clumped together (Fig. 2). In this analysis, the first two canonical axes accounted for 86% of the total variability. The third canonical axis, not shown, accounted for a further 6% and pulled 4 and 5 to one side but did not separate them from the main group at the 95% level of confidence. The parasite with the greatest discriminating power was Terranova sp.

Analysis of data from the medium and large Australian fish showed greater discrimination of areas (Figs. 3 and 4). For the medium fish, the first two canonical axes accounted for 80% of the total variation and again separated area 8, NSW, from the others (Fig. 3). The Great Australian Bight (area 1) and the Cascade Plateau/Tasman Rise (area 6) were pulled aside and separated by these axes at the 95% level of confidence but not at the 99% level. The third canonical axis, not shown, accounted for a further 13% of the variation and separated north eastern Tasmania (area 7) from the other areas at the 99% level of confidence.

For the large fish, the first two canonical axes accounted for 86% of the total variation and clearly separated the Great Australian Bight (area 1) and the Cascade Plateau/Tasman Rise (area 6) from the other areas (Fig. 4). No large fish were sampled from area 8. The third canonical axis, not shown, accounted for a further 11% of the variation and pulled area 7 to

one side separating it from the other areas at the 95% level of confidence but not at the 99% level. The parasite with the greatest discriminating power for the medium and large fish was the spirurid. These results show that five parasite faunas could be distinguished (at the 95% level), those of areas 1, 6, 7 and 8, all of which were different from each other and from areas 2, 3, 4 and 5 whose faunas were indistinguishable.

Plots of the New Zealand data indicated that the parasite fauna of fish from the three areas, Challenger Plateau (area 9), combined Cook and Moeraki Canyons (area 10), and the Chatham Rise (area 11) were distinct (Figs. 5, 6 and 7). Duplicate samples taken in the same month from areas 10 (10a and 10b) and 11 (11a and 11b) fell close together. The first two canonical axes accounted for 94%, 96% and 93% of the total variation respectively for small, medium and large size groups. The parasites with the greatest discriminating powers for these analyses were Anisakis type 3 for small fish, and the spirurid for the medium and large fish.

To determine whether significant parasitological differences occurred between fish from New Zealand and Australia, those from both countries were analysed together. Only the medium and large size fish were analysed in this way, because the 'small' size groups we used differed in average lengths between the two countries. Data from areas 2,3,4 and 5 were combined into a single sample for this analysis, as were the duplicate New Zealand samples from area 10 and area 11.

For the medium fish, the first two canonical axes took out 84% of the total variation and separated all areas from each

other at the 99% level of confidence except for the Cascade Plateau/Tasman Rise (area 6) and the Chatham Rise (area 11) which were not clearly distinguished, even when the third axis was taken into account. For the large fish, the first two canonical axes took out over 81% of the total variation and separated all areas at the 99% level of confidence except the combined Australian areas 2, 3, 4 and 5, and the Challenger Plateau (area 9) whose confidence rings overlapped. They were separate at the The parasite with the most 95% level of confidence. discriminating power for the medium and large fish was the spirurid. We concluded that there was no parasitological evidence that Australian and New Zealand roughy stocks mixed because the overlapping samples were not geographically contiguous and the results were inconsistent between the two size groups.

Orange roughy in southern Australian waters are believed to spawn from June to August (Evans and Wilson, 1987). We examined our parasite data to see whether we could detect any difference between fish taken near the spawning season and those taken in the same place well outside the spawning season. If a difference existed it would be evidence for a spawning migration. We had four pairs of samples where this could be tested. Analysis of the variance in the data showed few statistically significant differences between the pairs of samples with respect to individual parasites (Table 2) indicating that the parasite faunas of fish taken near the spawning season were similar to those taken outside the spawning season. We concluded that there was no parasitological evidence that spawning fish migrate in from other areas. A similar comparison for New Zealand fish was not

possible because all New Zealand samples were taken during the spawning season.

Though the multivariate analyses could not distinguish between individual areas in the South Australia/west Victoria/west Tasmania complex (areas 2, 3, 4 and 5), examination of the data of Anisakis spp. suggested that nevertheless there were consistent differences. All four Anisakis categories were more abundant in the more southerly fish. In Table 3 the four categories have been combined and the average log (x+1) of the total given for the four areas, reading from north to south, for the three fish size groups. An analysis of the correlation between latitude and transformed parasite number indicated a positive correlation for the small and medium sized fish at the 99% level of confidence, and no significant correlation for the large fish. As the small size category contained predominantly juvenile fish and the medium size category mature fish (length at first maturity 30 cm LCF for males and 33 cm LCF for females; Evans and Wilson, 1987), it appears that medium-sized mature fish do not move far from the area where they lived as juveniles. The cline is not evident in the large fish, possibly because of the small sample sizes.

## Discussion

The use of parasites to identify stocks, that is population units for fisheries management purposes, relies on the assumption that spawning fish release eggs which repopulate the same area. Orange roughy eggs are less dense than sea water and rise in the water column (Pankhurst, McMillan and Tracey, 1987). Though they

appear to have low energy reserves the duration of their pelagic phase is unknown.

Multivariate analyses of the data from the 263 medium and the 260 large southern Australian fish discriminated more areas than analysis of data from the 279 small fish. This was evidently because more parasites were present in the medium and large fish than in the small fish. It illustrates a general rule concerning the use of parasites as population markers which is, that within a species the older the fish sampled the more likely it is to be parasitised and therefore the more chance there is of discriminating one stock from another.

One other study has made extensive use of canonical variate analysis in the interpretation of fish parasite abundance, that of Lester et al. (1985). They used data from skipjack tuna in the central and southwestern Pacific, and their results differ dramatically from those presented here. Using long-lived parasites they could not discriminate between skipjack samples taken 4000 km apart even at a 95% level of confidence. They concluded that extensive mixing occurred, as had been predicted by tagging studies (Kleiber and Kearney, 1983). The torpedo shape of a skipjack is consistent with high mobility; the blunt irregular head of a roughy suggests a more sedentary life style.

There was no evidence in the parasitological data that fish from one of our 5 identified Australian stocks moved into the area of another identified stock to spawn. As far as we could determine, fish caught during the spawning season had a similar parasite fauna to those caught in the same locality outside the spawning season. In New Zealand, the fishery is based on

spawning season aggregations possibly formed from fish that migrate in from other areas (Robertson et al., 1984). Whether or not this is so may be determined by comparing the parasite fauna of New Zealand spawning fish with that of fish taken from the same sites outside the spawning season.

In contrast to our parasitological findings, Smith (1986) found little genetic separation in samples of orange roughy from several sites in Australia and New Zealand. In some fisheries, parasitological and isoenzyme studies have lead to similar conclusions with regard to stock composition, such as the work by Lester et al.(1984) and Richardson (1983), where neither study was able to detect more than one stock of skipjack in the central and southwest Pacific. In other fisheries, the parasitological and isoenzyme findings have appeared to be at variance, as is the MacKenzie (1983) using parasites concluded that there case here. were at least two sources of recruitment for herring around Scotland, and that adult herring on the west coast comprised a small proportion of fish that were recruited locally and a large proportion that had come from the eastern North Sea. Grant (1982) using isoenzymes was not able to differentiate any European populations.

There are two reasons for apparent conflict in the conclusions from the two methods. First, parasite data relate to differences in the history of individual fish; genetic studies detect changes over an evolutionary time scale. Recently isolated fish populations may not have developed sufficient differences for them to be distinguished genetically though they may have different parasite faunas. The short time scale to which parasite data relates is similar to that of tag data except

that the parasite fauna reflects the environment of the fish up to the time it is caught whereas tag data relates to the history of the fish only for the time between tagging and recapture. A combination of parasite and tag data is a powerful tool in evaluating the movement of fish, see for example the work on whiting by Hislop and MacKenzie (1976).

Second, a small amount of gene flow will make it difficult to recognise semi-isolated stocks. Certainly the movement of only a few fish were considered by Grant (1982) sufficient to obscure any differences that might have been present in European herring. The high genetic diversity in orange roughy found by Smith (1986) may be caused by low rates of gene exchange between partly isolated populations. This is consistent with the relatively sedentary mode of life for this fish that we propose.

Acknowledgments. We thank the New Zealand Fisheries Research Division and the Fisheries Division, New South Wales, for fish samples, and Dr. I. Beveridge, South Australian Department of Agriculture, and Dr. R.A. Bray, British Museum (Natural History), for taxonomic help. Dr. G.N. Berry, Dr. T.H. Cribb, Ms. J.M. Masel and Mr G.A. West helped with dissections. Dr F.R. Harden Jones, CSIRO Fisheries Division, kindly commented on an earlier draft of the manuscript. The project was funded by a grant from the Fishing Industry Research Trust Account (FIRTA 84/27).

### Literature cited

- Dogiel, V.A.: Parasitology of Fishes. London: Oliver and Boyd
  1961
- Evans, K. and M.A. Wilson: A survey of orange roughy biological information: 1981 to 1985. Unpubl. Rept. Demersal and Pelagic Fish Research Group Meeting No. 24 (1987)
- Hislop, J.R.G. and K. MacKenzie: Population studies of the whiting Merlangius merlangus (L.) of the northern North Sea.

  J. Cons. int. Explor. Mer. 37, 98-111 (1976)
- Kleiber, P. and R. E. Kearney: An assessment of the skipjack and baitfish resource at Kiribati. Skipjack Survey and Assessment Program. Final Country Report 5, 49p. South Pacific Commission, Noumea, New Caledonia (1983)
- Lester, R. J. G., A. Barnes and G. Habib: Parasites of skipjack tuna <u>Katsuwonus pelamis</u>: fishery implications. Fish. Bull. 83, 343-356 (1984)
- MacKenzie, K.: Parasites as biological tags in fish population studies. Adv. Appl. Biol. 7, 251-331 (1983)
- MacKenzie, K.: The use of parasites as biological tags in population studies of herring (Clupea harengus L.) in the North Sea and to the north and west of Scotland. J. Cons. int. Explor. Mer 42, 33-64 (1985)
- MacKenzie, K.: Parasites as indicators of host populations. Int.
  J. Parasit. 17, 345-352 (1987)
- Mardia, K. V., J.T. Kent and J. M. Bibby: Multivariate analysis. 521pp. New York: Academic Press 1979

- Margolis, L.: Parasites as an auxiliary source of information about the biology of the Pacific salmon (genus Oncorhynchus). J. Fish. Res. Board Can. 22, 1387-1395 (1965)
- Pankhurst, N.W., P.J. McMillan and D.M. Tracey: Seasonal reproductive cycles in three commercially exploited fishes from the slope waters off New Zealand. J. Fish Biol. 30, 193-211 (1987)
- Richardson, B.J.: Distribution of protein variation in skipjack tuna (Katsuwonus pelamis) from the central and southwestern Pacific. Aust. J. Mar. Freshw. Res. 34, 231-251 (1983)
- Robertson, D.A., P.J. Grimes and P.J. McMillan: Orange roughy on Chatham Rise; results of a trawl survey, August-September 1982. Fisheries Research Division Occasional Publication No. 46, 27 pp. (1982)
- Sewell, K.B. and R.J.G. Lester: The numbers of selected parasites in Australian and New Zealand samples of orange roughy <a href="Hoplostethus atlanticus">Hoplostethus atlanticus</a>, 1983 to 1986. Tas. Fish. Res. (in press)
- Sindermann, C. J.: Parasites as natural tags for marine fish: a review. NAFO Sci. Coun. Studies 6, 63-71 (1983)
- Smith, P.J.: Genetic similarity between samples of the orange roughy <u>Hoplostethus atlanticus</u> from the Tasman Sea, southwest Pacific Ocean and north-east Atlantic Ocean. Mar. Biol. 91, 173-180 (1986)
- Wilson, M.: Challenger reveals potentially important roughy resource off Tasmania. Aust. Fish. 41, 2-3 (1982)

Table 1. Average numbers of parasites found in the viscera of 1251 orange roughy from 11 areas, and their overall correlation coefficient to fish length (r). (Untransformed data). A full listing of the data is given in Sewell and Lester (in press).

Area	1	2	3	4	5	6	7	8
Number of fish	149	132	46	93	47	88	195	52
Average LCF	36.3	31.4	35.7	36.3	36.4	40.0	36.2	31.4
1. Sphaeromyxa +	8	59	ЗØ	18	21	Ø	15	58
2. Spirurid	257	65	412	116	225	137	197	169
3. Hepatoxylon	ø.ø3	Ø.Øl	Ø.Ø4	Ø.Ø1	Ø.Ø2	Ø.ØØ	Ø.Ø2	ø.øø
4. Degenerate <pre>Hepatoxylon</pre>	Ø.Ø7	Ø.Ø5	Ø.ØØ	Ø <b>.</b> Ø6	Ø.Ø6	Ø.Ø5	ø.ø6	Ø.ØØ
5. Tentacularia*	4.1	Ø.7	-	1.2	Ø.8	-	3.8	
6. Sphyriocephalus	Ø.Øl	Ø.Øl	Ø.ØØ	Ø.ØØ	Ø.Ø2	Ø.ØØ	Ø.Ø2	Ø.ØØ
7. Callitetrarhynchus	Ø.12	Ø.Ø1	Ø.ØØ	Ø.Ø5	Ø.ØØ	Ø.Ø6	Ø.11	Ø.ØØ
8. Anisakis type 1	38	8	19	23	25	59	22	6
9. Anisakis type 2	4.0	Ø.5	Ø.6	1.0	1.0	1.4	2.9	1.6
10. Anisakis type 3	Ø.9	Ø.5	1.1	1.5	1.8	1.4	3.4	7.6
11. Degenerate <u>Anisakis</u>	5.4	1.1	4.1	4.0	4.9	10.1	7.3	1.3
12. Terranova	2.5	Ø.8	1.7	2.5	2.6	4.1	5.2	18.5
13. Echinorhynchus	1.31	Ø.14	Ø.14	Ø.2Ø	Ø.10	Ø.1Ø	Ø.24	1.06
14. Ascarophis	4	4	6	6	10	-	8	***
15. Glomericirrus*	Ø.9	Ø.4	1.0	Ø.3	Ø.4	_	Ø.7	-
16. Pseudopecoelus*	Ø.Ø4	Ø.37	Ø.26	Ø.42	Ø.59	-	1.58	
17. Scolex polymorphus	Ø.8	Ø.7	2.8	1.6	2.1	_	21.3	-

<sup>+</sup> Percent infected

<sup>\*</sup> Based on only 165 fish in total

<sup>-</sup> parasite not counted in any fish from this area

Table 1, continued

	9	1Øa	10b	lla	11b	r
Number of fish	187	89	63	68	42	
Average LCF	35.5	36.Ø	36.2	39.4	40.0	
1. Sphaeromyxa +	9	11	16	6	3	<b>-</b> Ø.43
2. Spirurid	66	8	5	55	51	Ø.28
3. Hepatoxylon	Ø.Ø1	Ø.Ø2	Ø.ØØ	ø.øø	Ø.ØØ	Ø.Ø5
4. Degenerate <pre>Hepatoxylon</pre>	Ø.11	Ø.18	Ø.22	Ø.26	Ø.17	Ø.17
5. Tentacularia*	_	-	_	***	-	Ø.Ø1
6. Sphyriocephalus	ø.øø	ø.øø	ø.øø	Ø.ØØ	Ø.ØØ	Ø.Ø3
7. Callitetrarhynchus	ø.ø5	ø.øø	Ø.Ø2	Ø.Ø1	Ø.Ø2	ø.ø8
8. Anisakis type 1	14	16	14	ЗØ	28	Ø.56
9. Anisakis type 2	1.5	Ø.5	Ø.3	Ø.5	Ø.6	Ø.26
10. Anisakis type 3	2.7	Ø.9	Ø.8	1.2	Ø.9	Ø.24
11. Degenerate Anisakis	3.1	2.3	2.9	6.4	4.9	Ø.35
12. Terranova	2.4	Ø.7	Ø.5	1.0	Ø.6	Ø.17
13. Echinorhynchus	Ø.16	Ø.Ø2	Ø.Ø5	ø.ø6	Ø.17	-Ø.11
14. Ascarophis	-	_	44444	_	-	-Ø.22
15. Glomericirrus*		_	-	-		Ø.15
16. Pseudopecoelus*			-	_	-	-Ø.25
17. Scolex polymorphus*	_	_	_	_	_	ø.ø8

Table 2. Results of tests of the hypothesis that the numbers of parasites found in fish caught close to the spawning season (June) did not differ from the numbers found in fish taken in the same area outside the spawning season (September to January). '-' indicates a non-significant result.

Area	1	1	4	4	7	7	7	7
Month sampled	Nov	Jun	Oct	Jun	Sep+ Oct+ Jan	Apr+ Jun	Sep+ Oct+ Jan	Apr+ Jun
Spirurid	<Ø.	Ø5		-				
<u>Hepatoxylon</u>				_		-		_
Callitetrarhyc	hus -			<b>-</b>		-	<Ø	.Ø5
Anisakis l	-			_		-		-
Anisakis 2	_					-		-
Anisakis 3	_			-				-
deg. Anisakis	-				-		-	
Terranova			<Ø.Ø5		<0.05		-	
No. of fish	59	14	14	16	22	ЗØ	45	37
Av. length	37.Ø	37.5	41.Ø	41.4	37.2	37.Ø	42.Ø	41.7

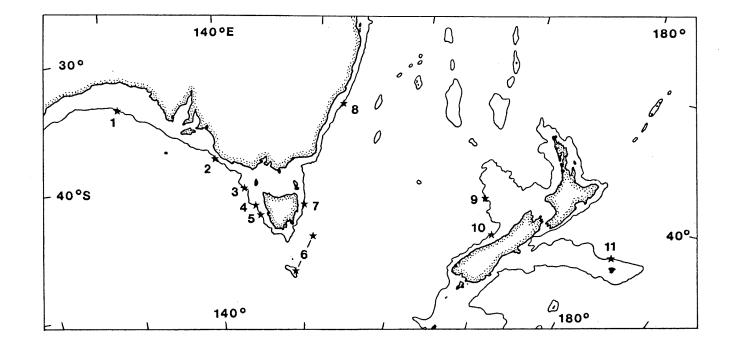
Table 3. Average log(x+1) number of Anisakis spp. in H.

atlanticus of three length groups from four areas. Data from small fish adjusted to a fish of length 28 cm, those from medium fish to 37 cm, and those from large to 42 cm. Sample sizes are given in parentheses.

	Latitude	Small	Medium	Large
Area 2	37.9°s	1.22 (87)	2.40 (34)	3.92 (10)
Area 3	40.5°s	1.32 (13)	2.77 (15)	3.59 (18)
Area 4	41.6°s	1.69 (26)	3.06 (32)	3.85 (35)
Area 5	42.2°s	1.97 (12)	2.86 (20)	3.84 (15)

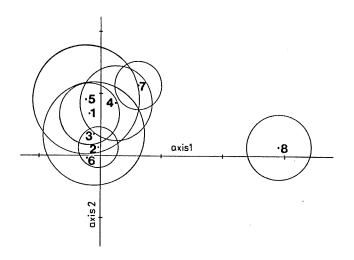
# Figure captions

- Fig. 1. Origins of the eleven samples of <u>Hoplostethus atlanticus</u> from Australia and New Zealand, and the 1000 m isobath.
- Fig. 2. Results of multivariate analysis on small fish from southern Australia using 8 parasites (no.s 2, 3+4, and 7 to 12) from 8 areas indicated in Fig. 1. 99% confidence rings given for samples of more than 10 fish.
- Fig. 3. Results of multivariate analysis on medium fish from southern Australia using 8 parasites (no.s 2, 3+4, and 7 to 12) from 8 areas indicated in Fig. 1. 99% confidence rings given for samples of more than 10 fish.
- Fig. 4. Results of multivariate analysis on large fish from southern Australia using 8 parasites (no.s 2, 3+4, and 7 to 12) from 7 areas indicated in Fig. 1. 99% confidence rings given for samples of more than 10 fish.
- Fig. 5. Results of multivariate analysis on small fish from New Zealand using 8 parasites (no.s 2, 3+4, and 7 to 12) from 3 areas indicated in Fig. 1 with 99% confidence rings.
- Fig. 6. Results of multivariate analysis on medium fish from New Zealand using 8 parasites (no.s 2, 3+4, and 7 to 12) from 3 areas indicated in Fig. 1 with 99% confidence rings.
- Fig. 7. Results of multivariate analysis on large fish from New Zealand using 8 parasites (no.s 2, 3+4, and 7 to 12) from 3 areas indicated in Fig. 1 with 99% confidence rings.

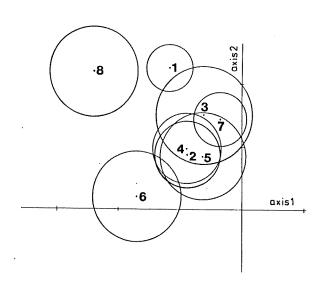


1

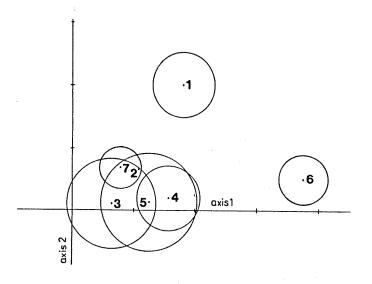
There is a contract of the second complete contract of the first problem, applying a



Lester et al. Fig 3

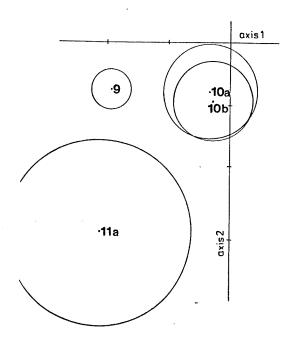


Lester et al. Fig 4

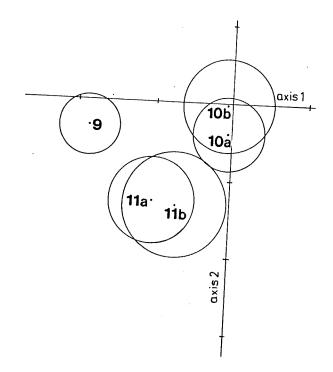


tayou stal

Lester et al. Fig 5



Lester et al. Fig. 6



Lester et al. Fig. 7

