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86100

1953

O-86100

Bløtbunnfaunaundersøkelser på
Osebergfeltet

mai 1986

Datarapport

NIVA – RAPPORT

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Ekstrakt:
Rapporten gjengir de komplette faunistiske data fra undersøkelsen. Stasjoner i nærområdet rundt og sør for feltsenteret på Oseberg viste en tydelig forurensningspåvirket fauna, med dominans av den forurensningstolerante indikatorarten <u>Capitella capitata</u> og nedsatt artsmangfold. Øvrige deler av undersøkelsesområdet hadde en upåvirket og artsrik fauna.

4 emneord, norske:

1. Osebergfeltet
2. Bløtbunnfauna
3. Plattformovervåking
4. Forurensning

4 emneord, engelske:

1. Oseberg field
2. Soft-bottom fauna
3. Platform monitoring
4. Pollution

Prosjektleder:

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For administrasjonen:

Tor Bokn

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Bløtbunnfaunaundersøkelser på Osebergfeltet mai 1986.
Datarapport

Oslo, 22. januar 1987

Brage Rygg
Pirkko Rygg
Per Martin Aakerøy

FORORD

Undersøkelsen er utført i samarbeid med Oseanografisk senter, SINTEF-gruppen, som del av et miljøovervåkingsprosjekt på Osebergfeltet med Norsk Hydro a.s. som oppdragsgiver. Innsamlingen av prøver ble gjort av Oseanografisk senter i midten av mai 1986.

Pirkko Rygg har utført artsbestemmelsene av børstemark.

Per Martin Aakerøy har artsbestemt de øvrige dyregruppene, med bistand av Per Wikander på enkelte muslinger.

En takk rettes til John P. Hartley (BP, Aberdeen) for artsbestemmelser av børstemark av slekten Aricidea.

Databearbeidelse og vurdering er gjort av undertegnede.

Brage Rygg

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SAMMENDRAG

Bunnprøver på Osebergfeltet ble samlet i mai 1986 med en 0.04 m² Shipek grabb. Faunaen i området var artsrik og ikke påvirket av forurensninger, bortsett fra noen stasjoner i nærsonen rundt og sør for feltsenteret. Der viste det lave artsmangfoldet og forekomsten av den forurensningstolerante indikatorarten *Capitella capitata* at faunaen var forurensningspåvirket.

MATERIALE OG METODER

Bunnprøver ble samlet fra 38 stasjoner med en 0.04 m^2 Shipek grabb. Plasseringen av stasjonene er vist i Figur 1 og Tabell 1 og 2. På hver stasjon ble det tatt 5 grabbskudd for faunaanalyse. Prøvene ble silt gjennom siler med 1 mm runde hull. Det gjenværende materialet ble fiksert i 4% nøytralisert formalin og farget med bengalrosa. I laboratoriet ble materialet overført til 75% etanol for lagring og analyse. Prøvene ble gjennomgått under lampelupe og binokularlupe. Alle dyr ble sortert ut, identifisert og tallet. Som utgangspunkt for databehandling forelå således: Rekken av individantall pr. art fra art nr. 1 til art nr. S (S = artsantallet i prøven).

Før den statistiske bearbeidelsen ble dataene fra de 5 parallellprøvene slått sammen.

Følgende parametre og karakteristika ble beregnet:

- Artsantall (S)
- Individantall (N)
- Artsmangfold (diversitet) som Shannon-Wiener indeks. Denne indeksen er mye brukt til å beskrive artsmangfoldet i marine organismsamfunn. Indeksen benevnes H, og er definert ved:

$$H = - \sum_{i=1}^s P_i \log_2 P_i \quad (\text{Shannon \& Wiever 1963})$$

hvor P_i er andelen av art i av det totale individantall, s er artsantall.

- Artsmangfold ved "rarefaction". Artsmangfold kan defineres som artsantall som funksjon av individantall og framstilles som en kurve i et diagram med individantall langs x-aksen og artsantall langs y-aksen. Punktene på kurven beregnes ved:

$$E(S_n) = \sum_i \left[1 - \frac{\binom{N-N_i}{n}}{\binom{N}{n}} \right] \quad (\text{Hurlbert 1971})$$

hvor $E(S_n)$ = det forventete antall arter i en delprøve på n individer fra en prøve som inneholder N individer og

N_i individer av i -te art.

For å få ett enkelt tall for artsmangfoldet, kan prøvenes individantall reduseres til en felles størrelse, f.eks. 50. Tallet for artsmangfoldet angir da det forventete antall arter blant 50 tilfeldig utvalgte individer fra faunasamfunnet.

- Jevnhet i fordelingen av individantall blant arter:

$$E = \frac{e^H - 1}{S - 1} \quad (\text{Heip 1974})$$

hvor $e = 2,7183\dots$ (naturlige logaritmens grunntall); H = Shannon-Wiener indeks; S = artsantall.

Jevnhetsindeksen er et uttrykk for hvor jevnt den totale individmassen er fordelt blant artene. Høy dominans av en art gir lav verdi på jevnhetsindeksen.

- Likhet i faunaen fra stasjon til stasjon ved beregning av likhet hos alle par av stasjoner (PS = percentage similarity) og klyngeanalyse:

$$PS = \sum_i \min(P_{ai}, P_{bi}) \quad (\text{Renkonen 1938})$$

hvor P_{ai} er prosentandelen av art i av det totale individantall på stasjon a , P_{bi} er tilsvarende for stasjon b , og $\min(P_{ai}, P_{bi})$ er den minste av de to prosentandelene for art i .

(For å gjøre datamaterialet mer håndterbart for likhets- og klyngeanalysen, ble bare arter som det forekom mer enn ett individ av på minst en av stasjonene (92 arter) inkludert i analysen.)

RESULTATER OG DISKUSJON

Faunaen i området var artsrik. Tabell 3 viser verdiene for enkelte viktige parametre. Ved de statistiske beregningene er cirripeden *Verruca stroemi* utelatt. Arten er en hardbunnsform og fantes kun på en stein i en av prøvene på stasjon A6.

De tre stasjonene C5, C16 og D1 skilte seg tydelig ut ved lavt artsantall, lavt artsmangfold, lav jevnhet og høy dominans av den forurensningstolerante indikatorarten *Capitella capitata*.

Det var en sterk negativ korrelasjon mellom dominans av *C. capitata* og artsmangfold. Lavt artsmangfold er en sikker indikasjon på et forstyrret miljø. *Capitella capitata* forekom også på stasjonene C3-C4, C6-C9, C17-C18. Dette tyder på en moderat eller begynnende forurensningspåvirkning på disse stasjonene, selv om artsmangfoldet viste liten eller ingen reduksjon.

Klyngeanalysen viste to hovedgrupperinger av stasjoner (Figur 4). Stasjonene innen hver gruppe hadde høy innbyrdes faunalikhet, mens det var mindre faunalikhet mellom gruppene. Den ene gruppen var sammenfallende med stasjonene som hadde innslag av *C. capitata* på 10% eller mer (Tabell 3, Figur 5).

Det var således stasjonene i nærsonen rundt og sør for feltsenderet som var påvirket. I de øvrige delene av undersøkelsesområdet var faunaen upåvirket.

Komplette faunistiske data er gitt i Tabell 4-7.

HENVISNINGER

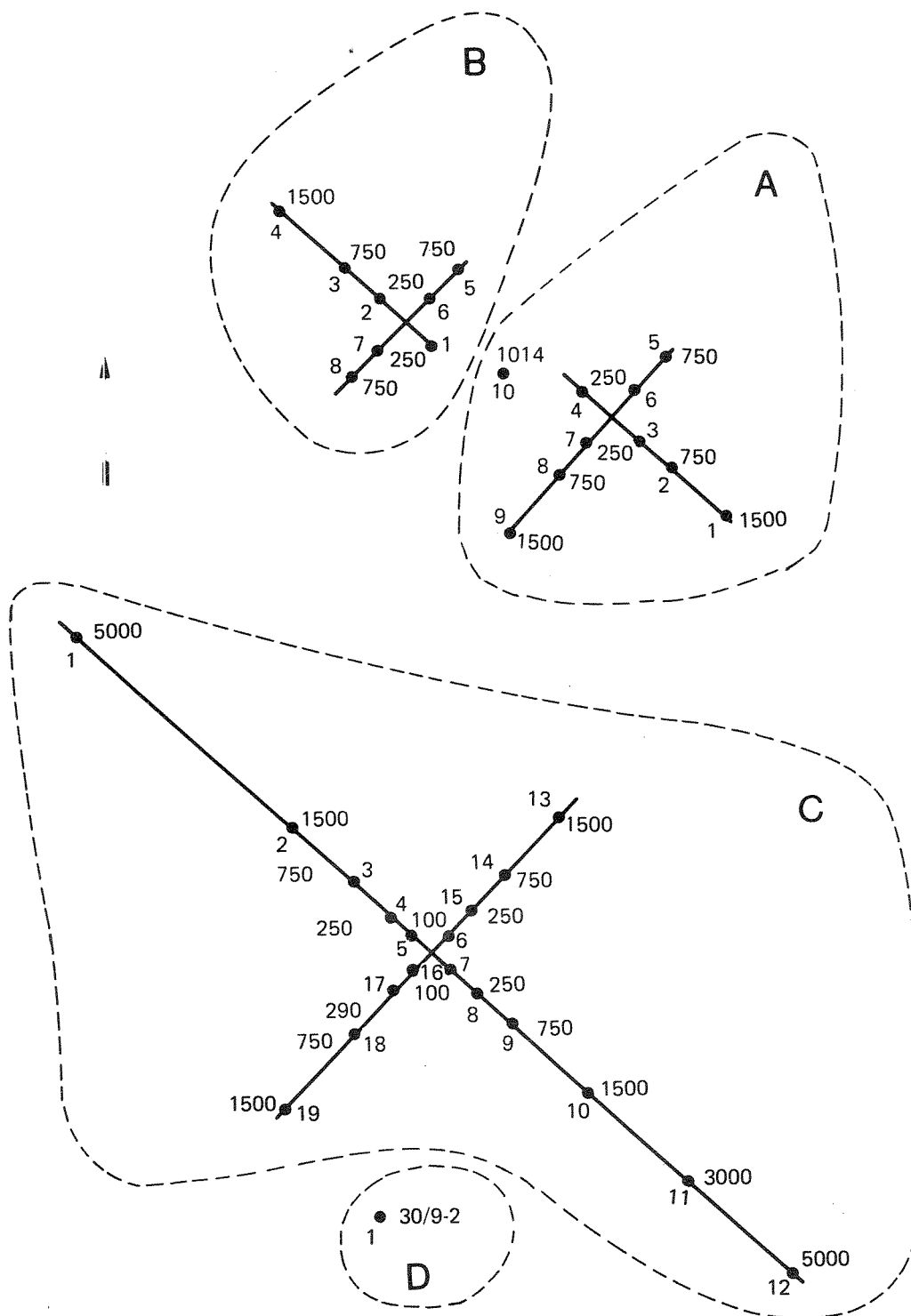
Heip, C.(1974). A new index measuring evenness. J. mar. biol. Ass.
U.K. 54: 555-557

Hurlbert, S.N.(1971). The non-concept of species diversity. Ecology
53: 577-586

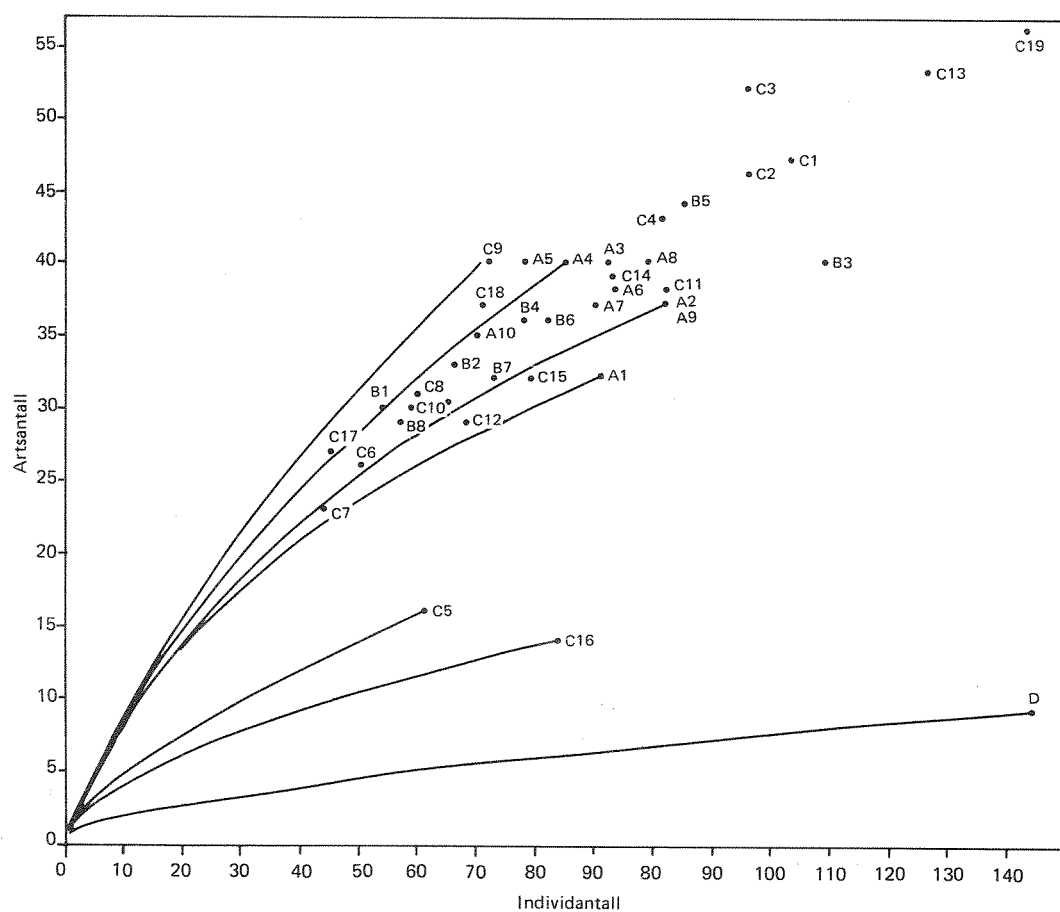
Renkonen, O.(1938). Statistisch-ökologische Untersuchungen über die
terrestrische Käferwelt der finnischen Bruchmoore. An Zool.
Soc. Zool.-Bot. Fenn. Vanamo 6: 1-231

Shannon, C.E., Weaver, W.(1963). The Mathematical Theory of
Communication. University of Illinois Press, Urbana

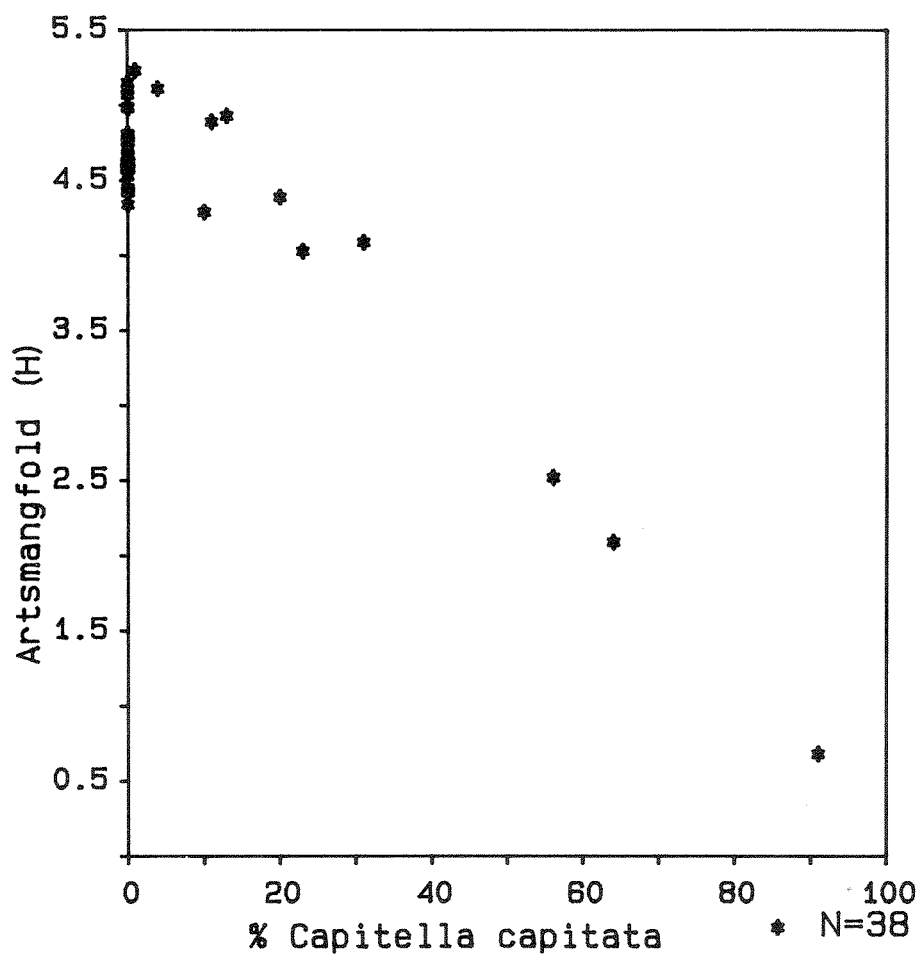
FIGURER OG TABELLER



Figur 1. Stasjonskart for bunnprøvetaking på Osebergfeltet i mai 1986. Dypet i området er 100-125 m. Tall 100-5000 angir avstand i meter fra skjæringspunktene. Tall 1-19 angir stasjonsnummer innenfor hvert område A-D. Feltsenteret ligger i krysset i område C. Kryssene i område A og B er undervannsinstallasjoner.



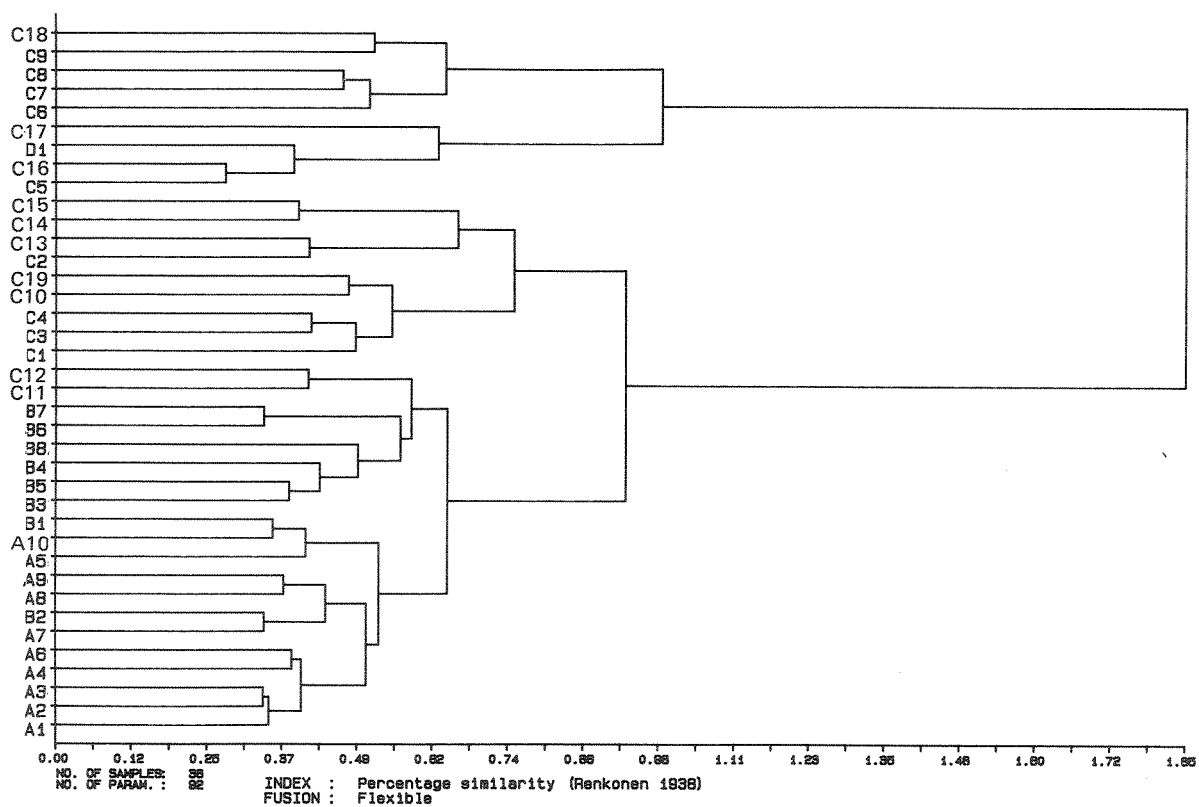
Figur 2. Kurver for artsantall som funksjon av individantall (Hurlbert "rarefaction" kurver). For de fleste stasjonene er bare kurvenes endepunkter tegnet inn.



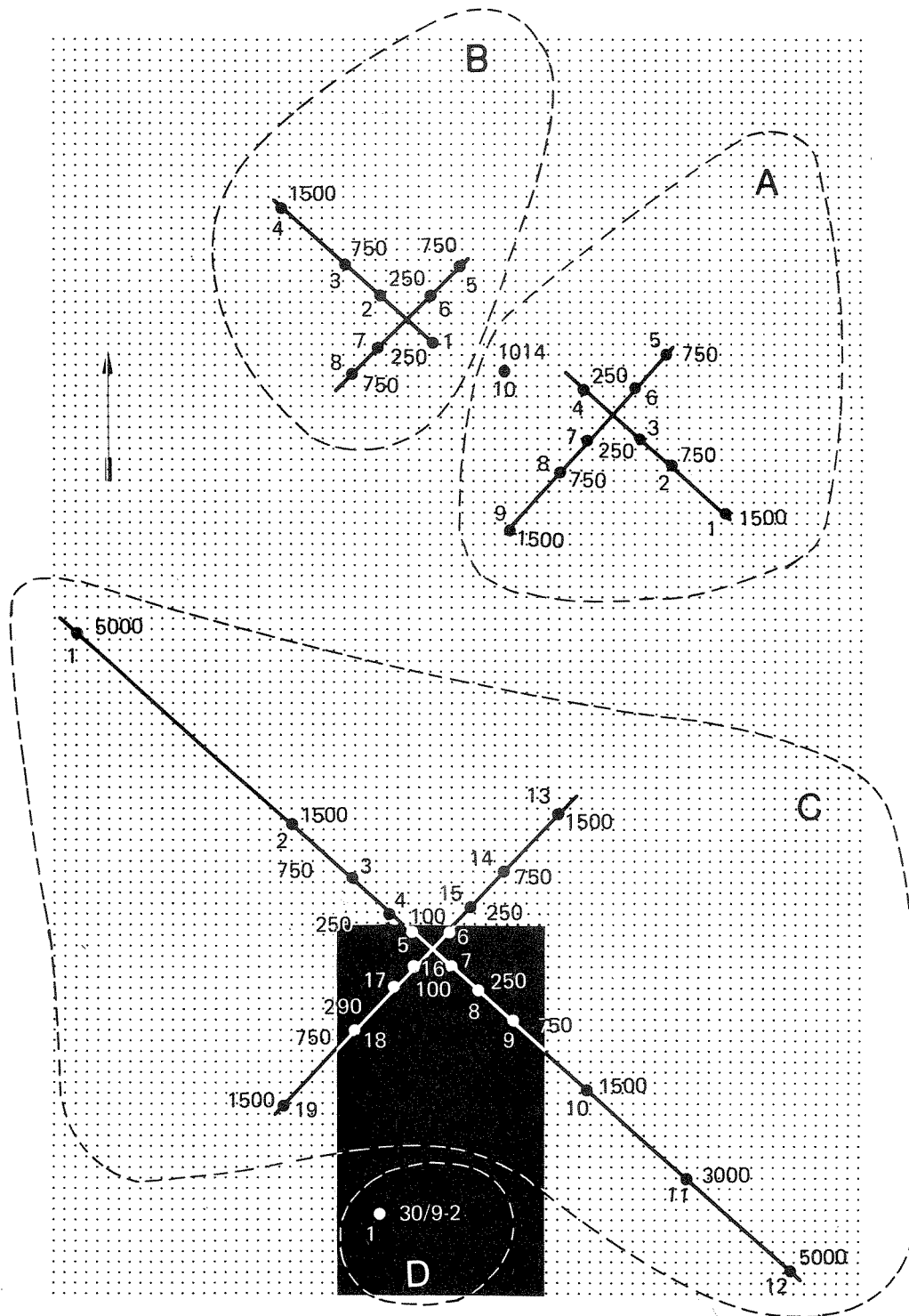
$$Y = -0.04X + 4.79$$

$$R = -0.94 \quad P \leq 0.001 \quad SD = 0.01$$

Figur 3. Plot av artsmangfold (H) mot prosentvis andel av *Capitella capitata*.



Figur 4. Dendrogram som viser grupperinger av innbyrdes like stasjoner, basert på similaritetsindeks for alle par av stasjoner. Like stasjoner grupperes tidligst sammen i dendrogrammet, dvs. lengst til venstre. Skalaen angir grad av ulikhet.



Figur 5. To-gruppering av stasjoner med innbyrdes lik fauna, basert på klyngeanalysen (Figur 4). Gruppen som omfatter stasjonene C5, C6, C7, C8, C9, C16, C17, C18, D1 representerer forurensningspåvirket fauna.

Tabell 1. UTM-kordinater for prøvetakingsstasjoner rundt feltcenteret på Oseberg.

CA. KOORDINATER FOR UTSLIPPSSTED KAKS: 6706668 mN
490771 mE

Transekt.- m retning fra utslipp	NV	NØ	SØ	SV
100	6706732 mN 490640 mE	6706739 mN 490782 mE	6706597 mN 490782 mE	6706597 mN 490640 mE
250	6706845 mN 490535 mE	6706845 mN 490888 mE	6706491 mN 490888 mE	
290	 	 	 	6706463 mN 490506 mE
750	6707198 mN 490181 mE	6707198 mN 491241 mE	6706138 mN 491241 mE	6706138 mN 490181 mE
1500	6707728 mN 489651 mE	6707728 mN 491771 mE	6705608 mN 491771 mE	6705608 mN 489651 mE
3000	 	 	6704547 mN 492832 mE	
5000	6710203 mN 487176 mE	 	6703133 mN 494246 mE	
30.9.-2	6703339 mN	490116 mE		

Tabell 2. UTM-koordinater for prøvetakingsstasjoner rundt undervannsinstallasjonene B5 og B15.

Retning m fra B5	NV	NØ	SØ	SV
250	6712819 mN 489634 mE	6712819 mN 489988 mE	6712465 mN 489988 mE	6712465 mN 489634 mE
750	6713712 mN 489281 mE	6713172 mN 490341 mE	 	6712112 mN 489281 mE
1500	6713702 mN 488751 mE	 	 	

Retning m fra B5	NV	NØ	SØ	SV
250	6711613 mN 491266 mE	6711613 mN 491620 mE	6711259 mN 491620 mE	6711259 mN 491266 mE
750	 	6711966 mN 491973 mE	6810906 mN 491973 mE	6710906 mN 490913 mE
1500	 	 	6710376 mN 492503 mE	6710376 mN 490383 mE

I tillegg legges en stasjon midtveis mellom B5 og B15, i en avstand av 1014 m fra begge, med UTM-koordinater: 6.712.039 mN, 490.628 mE.

Koordinater B5: 6.712.642 mN 489.811 mE

Koordinater B15: 6.711.436 mN 491.443 mE

Tabell 3. Biologiske parametre for de enkelte stasjonene.

(neste side)

S = Artsantall

N = Samlet individantall

E = Jevnhet i fordelingen av individer blant arter

$H \log_2$ = Artsmangfold (Shannon-Wiener diversitetsindeks)

ESN(n=50) = Forventet artsantall pr. 50 individer

ESN(n=100) = Forventet artsantall pr. 100 individer

CAP.I.CAP(n) = Antall individer av *Capitella capitata*

CAP.I.CAP(% n/N) = Antall individer av

C. capitata som prosentandel av samlet individantall
av alle arter på stasjonen.

ST	S	N	E	H log2	ESN n=50	ESN n=100	CAPI.CAP (n)	CAPI.CAP (% n/N)
A1	32	91	0.66	4.43	23.72	-	0	0
A2	37	102	0.64	4.58	25.31	36.66	0	0
A3	40	92	0.65	4.72	27.64	-	0	0
A4	40	85	0.67	4.76	28.42	-	0	0
A5	40	78	0.79	4.99	30.56	-	0	0
A6	39	109	0.57	4.51	24.33	37.00	0	0
A6#	38	93	0.62	4.58	25.82	-	0	0
A7	37	90	0.64	4.59	25.50	-	0	0
A8	40	99	0.69	4.80	26.63	-	0	0
A9	37	102	0.64	4.58	24.76	36.61	0	0
A10	35	70	0.78	4.78	28.76	-	0	0
B1	30	54	0.82	4.62	28.64	-	0	0
B2	33	66	0.74	4.62	27.78	-	0	0
B3	40	129	0.60	4.61	23.90	34.99	0	0
B4	36	78	0.69	4.66	27.54	-	0	0
B5	44	105	0.63	4.81	27.12	42.65	0	0
B6	36	82	0.74	4.75	26.59	-	0	0
B7	32	73	0.67	4.45	25.58	-	0	0
B8	29	57	0.74	4.43	26.82	-	0	0
C1	47	123	0.72	5.10	29.31	42.96	0	0
C2	46	116	0.72	5.07	28.91	42.66	0	0
C3	52	116	0.72	5.23	30.86	47.60	1	1
C4	43	101	0.80	5.11	30.26	42.82	4	4
C5	16	61	0.32	2.52	13.96	-	34	56
C6	26	50	0.74	4.29	26.00	-	5	10
C7	23	44	0.70	4.03	24.90*	-	10	23
C8	31	60	0.67	4.39	27.23	-	12	20
C9	40	71	0.76	4.93	31.38	-	9	13
C10	30	59	0.76	4.53	27.14	-	0	0
C11	38	102	0.66	4.67	25.56	37.63	0	0
C12	29	68	0.73	4.42	24.85	-	0	0
C13	53	146	0.66	5.15	28.56	42.79	0	0
C14	39	93	0.60	4.58	26.21	-	0	0
C15	32	79	0.62	4.34	24.41	-	0	0
C16	14	84	0.25	2.09	10.50	-	54	64
C17	27	45	0.61	4.09	29.50*	-	14	31
C18	37	71	0.80	4.89	30.17	-	8	11
C19	56	163	0.56	4.98	26.94	41.77	0	0
D	9	165	0.07	0.68	4.44	6.72	150	91

ekskl. cirripeden *Verruca stroemi*

* estimert ved ekstrapolering av "rarefaction" kurvene

- ikke beregningsgrunnlag

Tabell 4. Artenes individantall på de enkelte stasjonene.
Oversettelser av kodene til fulle navn finnes i Tabell 7.

	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7	B8	C1
STENOTXB	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-
SYNC.HAP	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
SYNC?MAC	-	-	-	1	-	-	-	-	-	-	-	-	3	-	1	-	-	-	2
TMET.CIC	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-
TMETONYZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRYP.LON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCI.PLA	6	5	1	4	4	3	1	2	5	4	2	-	6	2	7	1	1	4	2
UROT.ELE	-	-	-	-	-	-	1	1	1	-	1	-	1	2	1	4	2	1	3
UROTHOEZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VERR.STR	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST.CAE	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	1	-	-
MOLLUSCA																			
ABRA.PRI	-	5	3	-	1	1	3	3	3	2	-	2	3	1	-	4	4	-	2
ACAN.ECH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANOM?EPH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARCT.ISL	2	2	3	2	2	4	4	6	1	2	1	1	4	2	2	1	1	1	6
ASTA.SUL	1	-	-	-	-	1	-	-	-	-	-	-	2	1	-	-	-	2	1
BIVALV.A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
BIVALV.B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHAE.NIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLA?OPE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CINGULAZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLU.GLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLU.ISL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CULT.PEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DENT.ENT	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	2	-	-
DOSI?EXO	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
EULI.BIL	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FALC.CRO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GARI...Z	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GASTROPO	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
HIAT.ARC	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEPE.CAE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LIMA.SUB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
LUCI.BOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LUCINIDX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONT.SUB	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-
NATI.ALD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
NATI.NAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NATICA.Z	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEOM.CAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARV.MIN	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	-	2

	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7	B8	C1
PHIL.QUA	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	1
PHIL.SCA	-	-	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
PHILINEZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PUTILLAZ	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCAP.PUN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPIS?ELL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THRA?PHA	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-
THYA?OBS	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TROPHONZ	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTRI.PER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VENU.OVA	-	2	1	1	1	1	-	1	1	1	1	2	12	3	2	4	5	-	7
VENU?CAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YOLD.TOM	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
PHORONIDA																			
PHORONID	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
BRYOZOA																			
BRYOZOA.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
ECHINODERMATA																			
AMPH.FIL	2	4	3	3	3	3	2	4	6	3	4	2	6	-	4	6	4	2	9
ASTR.IRR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECHI.FLA	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
ECHI.PUS	-	1	-	-	1	-	-	-	-	1	-	1	-	-	1	-	-	-	-
IRREGULA	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	2
LABI.BUS	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	3
OPHI?AFF	-	-	-	1	-	-	-	1	-	-	-	-	4	2	1	1	1	1	1
PHANEROZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REGULARI	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ASCIDIACEA																			
ASCIDIAC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1

	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	D
PHIL.QUA	-	1	-	-	-	-	1	-	-	-	-	-	1	1	-	1	-	1	-
PHIL.SCA	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
PHILINEZ	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
PUTILLAZ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCAP.PUN	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
SPIS?ELL	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THRA?PHA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
THYA?OBS	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
TROPHONZ	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
UTRI.PER	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
VENU.OVA	3	10	8	-	1	-	4	5	7	8	2	2	13	6	-	-	5	14	-
VENU?CAS	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YOLD.TOM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHORONIDA																			
PHORONID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
BRYOZOA																			
BRYOZOA.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECHINODERMATA																			
AMPH.FIL	2	3	5	-	1	-	2	1	2	1	2	2	-	1	-	-	2	8	-
ASTR.IRR	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
ECHI.FLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECHI.PUS	3	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-
IRREGULA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABI.BUS	-	-	3	1	-	1	-	2	4	-	-	-	1	-	-	-	-	2	-
OPHI?AFF	1	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-
PHANEROZ	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
REGULARI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASCIDIACEA																			
ASCIDIAC	1	-	2	-	-	-	-	-	2	1	1	4	2	-	-	-	2	3	-

Tabell 5. De vanligste artenes individantall på de enkelte stasjonene.
Oversettelser av kodene til fulle navn finnes i Tabell 7.

STA A1		STA A2		STA A3		STA A4	
**		**		**		**	
SPIO.BOM	17	SPIO.BOM	18	SPIO.BOM	15	SPIO.BOM	15
SPIO.KRO	8	SPIO.KRO	11	SPIO.KRO	12	SPIO.KRO	6
ARIC.CAT	6	AONI.PAU	8	ARIC.CAT	5	AONI.PAU	6
UNCI.PLA	6	ABRA.PRI	5	EXOG.VER	4	MYRIOCHZ	4
EXOG.VER	5	UNCI.PLA	5	PRIO.CIR	4	VERMIFOR	4
AONI.PAU	5	OWEN.FUS	4	AONI.PAU	3	UNCI.PLA	4
NEMERTIN	4	AMPH.FIL	4	AMPH.FIL	3	AMPH.FIL	3
				ABRA.PRI	3	PRIO.CIR	3
				ARCT.ISL	3	ARIC.CAT	3

STA A5		STA A6		STA A7		STA A8	
**		**		**		**	
SPIO.KRO	7	SPIO.BOM	18	SPIO.BOM	12	SPIO.BOM	9
SPIO.BOM	6	VERR.STR	16	SPIO.KRO	11	AONI.PAU	8
ORCH.NAN	5	AONI.PAU	8	AONI.PAU	10	SPIO.KRO	8
DITR.ARI	4	SPIO.KRO	5	ARIC.CAT	5	OWEN.FUS	8
UNCI.PLA	4	VERMIFOR	5	VERMIFOR	5	ARCT.ISL	6
NEMATODA	4	HYDR.NOR	5	ARCT.ISL	4	ARIC.CAT	6
ARIC.CAT	3	NEMATODA	5	OWEN.FUS	3	DITR.ARI	5
OWEN.FUS	3	OWEN.FUS	4	ABRA.PRI	3	NEMERTIN	4
AMPH.FIL	3	ARCT.ISL	4			AMPH.FIL	4

STA A9		STA A10		STA B1		STA B2	
**		**		**		**	
AONI.PAU	15	SPIO.BOM	9	SPIO.BOM	6	SPIO.BOM	9
SPIO.BOM	10	SPIO.KRO	5	SPIO.KRO	4	AONI.PAU	7
ARIC.CAT	9	OWEN.FUS	4	AONI.PAU	4	VERMIFOR	4
SPIO.KRO	8	UNCI.PLA	4	AMPH.FIL	4	ARIC.CAT	4
AMPH.FIL	6	MONT.SUB	3	GLYCERAZ	3	OWEN.FUS	4
UNCI.PLA	5	EUDO.DEF	3	OWEN.FUS	3	GLYCERAZ	3
VERMIFOR	4	VERMIFOR	3			EUDO.DEF	3
		AMPH.FIL	3				
		AONI.PAU	3				
		NEMATODA	3				

STA C7		STA C8		STA C9		STA C10	
**		**		**		**	
CAPI.CAP	10	CAPI.CAP	12	CAPI.CAP	9	SPIO.KRO	7
GLYCERAZ	6	GLYCERAZ	6	JASM?CAU	5	VENU.OVA	7
NEPH.CAE	2	ARCT.ISL	5	VENU.OVA	5	OWEN.FUS	4
CLYMENUZ	2	VENU.OVA	4	NOTO.LAT	4	LABI.BUS	4
EXOG.VER	2	CIRR.CIR	3	GLYCERAZ	4	ARIC.CAT	3
MALDANIX	2	POLY?CAE	2	OLIGOCHA	3	JASM?CAU	3
CERI?LLO	2	AMPH.FIL	2			AONI.PAU	3
SERPULIX	2	SPIO.KRO	2				
SPIO.KRO	2	CAUL?KIL	2				

STA C11		STA C12		STA C13		STA C14	
**		**		**		**	
SPIO.KRO	12	SPIO.BOM	9	POLY.MED	10	DITR.ARI	16
SPIO.BOM	12	OWEN.FUS	9	DITR.ARI	10	VENU.OVA	13
MYRIOCHZ	8	SPIO.KRO	6	NOTO.LAT	9	EXOG.VER	6
VENU.OVA	8	MYRIOCHZ	5	CERI?LLO	9	SPIO.BOM	5
UNCI.PLA	6	ARCT.ISL	3	ARIC.CER	8	ARCT.ISL	5
MYRI.OCU	5	ABRA.PRI	3	SPIO.KRO	8	OWEN.FUS	3
OWEN.FUS	4			AONI.PAU	7	JASM?CAU	3
ARCT.ISL	4			GLYCERAZ	7	UNCI.PLA	3
UROT.ELE	3			SPIO.BOM	7	SPIO.KRO	3
CERI?LLO	3			UNCI.PLA	6		

STA C15		STA C16		STA C17		STA C18	
**		**		**		**	
DITR.ARI	15	CAPI.CAP	54	CAPI.CAP	14	CAPI.CAP	8
GLYCERAZ	11	EXOG.VER	8	OWEN.FUS	2	VENU.OVA	5
VENU.OVA	6	CIRR.CIR	5	CIRR.CIR	2	SPIO.BOM	4
SPIO.BOM	5	OPHRYOTZ	4	NOTO.LAT	2	GLYCERAZ	4
PRIO.CIR	3	CERI?LLO	3	NEMERTIN	2	NEMERTIN	4
HYDR.NOR	3	DITR.ARI	2	VERMIFOR	2	POLY?CAE	3
SPIO.KRO	3					CAUL?KIL	3
NOTO.LAT	3						

STA C19

**

MYRI.OCU	19
CERI?LLO	19
VENU.OVA	14
OWEN.FUS	9
JASM?CAU	9
AMPH.FIL	8
VERMIFOR	7
SPIO.KRO	5
AONI.PAU	4
MYRIOCHZ	4
SPIO.BOM	4

STA D

**

CAPI.CAP	150
CHAE.SET	6
CIRRATUX	2
COLU.GLA	2
PHOL.MIN	1
ANAI.GRO	1
CERI?LLO	1
GLYCERAZ	1
OPHRYOTZ	1

Tabell 6. Komplette faunadata for hver enkelt grabbprøve fra de forskjellige stasjonene.

Oversettelser av kodene til fulle navn finnes i Tabell 7.

LOC OSEBERG

DAT 860513

STA A1

**		1	2	4	6	7
AMPH.FIL	2	0.0	0.0	1.0	0.0	1.0
AONI.PAU	5	1.0	1.0	1.0	0.0	2.0
ARCT.ISL	2	1.0	0.0	1.0	0.0	0.0
ARIC.CAT	6	3.0	3.0	0.0	0.0	0.0
ARIC.SIM	3	3.0	0.0	0.0	0.0	0.0
ARICIDEZ	1	0.0	0.0	1.0	0.0	0.0
ASTA.SUL	1	0.0	0.0	1.0	0.0	0.0
CAULLERZ	3	0.0	0.0	0.0	3.0	0.0
CERI?LLO	2	0.0	0.0	1.0	1.0	0.0
EXOG.VER	5	0.0	2.0	1.0	2.0	0.0
GLYCERAZ	3	1.0	0.0	1.0	1.0	0.0
HYAL.TUB	1	0.0	1.0	0.0	0.0	0.0
JASM?CAU	1	0.0	0.0	0.0	0.0	1.0
LAPHOEAZ	1	0.0	0.0	0.0	1.0	0.0
MYRI.OCU	2	0.0	1.0	0.0	0.0	1.0
NEMATODA	2	1.0	0.0	1.0	0.0	0.0
NEMERTIN	4	0.0	1.0	1.0	2.0	0.0
NEPHTYSZ	1	0.0	1.0	0.0	0.0	0.0
ONCH?STE	1	0.0	0.0	0.0	1.0	0.0
OWEN.FUS	3	0.0	0.0	2.0	0.0	1.0
PHIL.QUA	1	1.0	0.0	0.0	0.0	0.0
PIST.CRI	1	0.0	0.0	1.0	0.0	0.0
POEC.SER	1	0.0	0.0	0.0	0.0	1.0
PRIO.CIR	1	0.0	0.0	1.0	0.0	0.0
SPIO.BOM	17	2.0	1.0	4.0	5.0	5.0
SPIO.KRO	8	0.0	1.0	3.0	2.0	2.0
STHE.LIM	1	1.0	0.0	0.0	0.0	0.0
STREBLOZ	1	0.0	1.0	0.0	0.0	0.0
TEREBELX	1	0.0	0.0	0.0	0.0	1.0
THYA?OBS	1	0.0	0.0	1.0	0.0	0.0
UNCI.PLA	6	1.0	0.0	3.0	0.0	2.0
VERMIFOR	3	0.0	1.0	0.0	0.0	2.0

STA A2

**		1	2	3	4	5
ABRA.PRI	5	0.0	0.0	1.0	4.0	0.0
AMPH.FIL	4	2.0	1.0	1.0	0.0	0.0
ANAI.MUC	1	0.0	0.0	0.0	1.0	0.0
ANAITIDZ	2	0.0	1.0	0.0	1.0	0.0
AONI.PAU	8	2.0	1.0	2.0	3.0	0.0

ARCT.ISL	2	0.0	1.0	0.0	1.0	0.0
ARIC.CAT	1	0.0	1.0	0.0	0.0	0.0
ARIC.CER	3	1.0	0.0	2.0	0.0	0.0
ARIC.SIM	1	1.0	0.0	0.0	0.0	0.0
CAULLERZ	2	1.0	1.0	0.0	0.0	0.0
CERI?LLO	3	1.0	0.0	0.0	2.0	0.0
CLYMENUZ	3	0.0	0.0	0.0	3.0	0.0
DITR.ARI	1	0.0	1.0	0.0	0.0	0.0
ECHI.PUS	1	0.0	0.0	0.0	1.0	0.0
EXOG.VER	2	0.0	0.0	0.0	2.0	0.0
GLYCERAZ	1	0.0	0.0	0.0	1.0	0.0
NEMATODA	2	0.0	0.0	0.0	1.0	1.0
NOTO.LAT	2	0.0	0.0	0.0	0.0	2.0
OPHE.LIM	2	0.0	2.0	0.0	0.0	0.0
ORBINIAZ	1	0.0	0.0	0.0	1.0	0.0
OWEN.FUS	4	1.0	1.0	1.0	1.0	0.0
PIST.CRI	1	1.0	0.0	0.0	0.0	0.0
POLY?CAE	1	0.0	0.0	0.0	0.0	1.0
POLYDORZ	1	1.0	0.0	0.0	0.0	0.0
PRAX.LON	2	0.0	0.0	0.0	0.0	2.0
PRIO.CIR	1	0.0	0.0	1.0	0.0	0.0
SCOL.ARM	1	0.0	0.0	1.0	0.0	0.0
SERPULIX	1	0.0	0.0	0.0	1.0	0.0
SPIO.BOM	18	4.0	3.0	3.0	7.0	1.0
SPIO.FIL	1	0.0	1.0	0.0	0.0	0.0
SPIO.KRO	11	2.0	0.0	2.0	5.0	2.0
STREBLOZ	1	0.0	0.0	0.0	0.0	1.0
TEREBELX	1	0.0	0.0	1.0	0.0	0.0
THRA?PHA	1	0.0	0.0	0.0	1.0	0.0
UNCI.PLA	5	1.0	1.0	2.0	1.0	0.0
VENU.OVA	2	0.0	0.0	1.0	1.0	0.0
VERMIFOR	3	0.0	0.0	1.0	2.0	0.0

STA A3

**		1	2	3	4	5
ABRA.PRI	3	0.0	1.0	1.0	0.0	1.0
AMPH.FIL	3	1.0	0.0	0.0	2.0	0.0
AONI.PAU	3	0.0	0.0	0.0	2.0	1.0
ARCT.ISL	3	0.0	0.0	2.0	1.0	0.0
ARIC.CAT	5	4.0	0.0	0.0	1.0	0.0
ARIC.CER	1	1.0	0.0	0.0	0.0	0.0
ARIC.SIM	1	0.0	0.0	0.0	0.0	1.0
ARIC.WAS	1	0.0	0.0	0.0	0.0	1.0
CAULLERZ	1	0.0	0.0	1.0	0.0	0.0
CERI?LLO	1	0.0	0.0	1.0	0.0	0.0

CHON?COL	2	0.0	1.0	0.0	1.0	0.0
CIRR.CIR	2	0.0	1.0	1.0	0.0	0.0
CLYMENUZ	2	0.0	1.0	1.0	0.0	0.0
DITR.ARI	1	0.0	0.0	0.0	1.0	0.0
EDWA.CLA	1	1.0	0.0	0.0	0.0	0.0
EXOG.VER	4	0.0	0.0	2.0	0.0	2.0
GLYCERAZ	2	1.0	0.0	1.0	0.0	0.0
GONI.MAC	1	0.0	0.0	0.0	1.0	0.0
HYAL.TUB	1	0.0	0.0	0.0	0.0	1.0
JASM?CAU	1	1.0	0.0	0.0	0.0	0.0
MALDANIX	1	1.0	0.0	0.0	0.0	0.0
MYRI.OCU	1	0.0	0.0	1.0	0.0	0.0
NEMATODA	1	0.0	0.0	0.0	0.0	1.0
NEPHTYSZ	1	1.0	0.0	0.0	0.0	0.0
NOTO.LAT	2	1.0	0.0	1.0	0.0	0.0
OWEN.FUS	2	1.0	0.0	0.0	0.0	1.0
PHAS.STR	1	1.0	0.0	0.0	0.0	0.0
PHIL.SCA	1	0.0	1.0	0.0	0.0	0.0
PORIFERA	1	1.0	0.0	0.0	0.0	0.0
PRIO.CIR	4	0.0	0.0	1.0	1.0	2.0
SABELLIX	1	1.0	0.0	0.0	0.0	0.0
SPIO.BOM	15	5.0	2.0	1.0	0.0	7.0
SPIO.KRO	12	6.0	3.0	2.0	0.0	1.0
SPIONIDX	2	2.0	0.0	0.0	0.0	0.0
STREBLOZ	1	1.0	0.0	0.0	0.0	0.0
TEREBELX	2	0.0	1.0	1.0	0.0	0.0
TRAV.FOR	1	0.0	0.0	0.0	0.0	1.0
UNCI.PLA	1	0.0	1.0	0.0	0.0	0.0
VENU.OVA	1	0.0	1.0	0.0	0.0	0.0
VERMIFOR	2	0.0	0.0	0.0	1.0	1.0

STA A4

**		1	2	4	6	7
AMPH.FIL	3	1.0	1.0	1.0	0.0	0.0
AONI.PAU	6	2.0	1.0	1.0	0.0	2.0
ARCT.ISL	2	0.0	0.0	1.0	0.0	1.0
ARIC.CAT	3	0.0	1.0	0.0	1.0	1.0
ARIC.CER	1	1.0	0.0	0.0	0.0	0.0
BATH.GUI	1	0.0	0.0	0.0	1.0	0.0
CAUL.BIO	1	0.0	0.0	0.0	0.0	1.0
CERI?LLO	1	0.0	0.0	0.0	1.0	0.0
CIRR.CIR	1	0.0	1.0	0.0	0.0	0.0
CLYMENUZ	1	0.0	0.0	0.0	0.0	1.0
DITR.ARI	2	1.0	0.0	0.0	0.0	1.0
ECHI.FLA	1	0.0	0.0	0.0	0.0	1.0

EDWA.CLA	1	0.0	0.0	0.0	0.0	1.0
HYAL.TUB	1	0.0	0.0	0.0	0.0	1.0
LABI.BUS	1	0.0	1.0	0.0	0.0	0.0
MALDANIX	2	1.0	0.0	0.0	1.0	0.0
MYRI.OCU	2	0.0	0.0	0.0	2.0	0.0
MYRIOCHZ	4	0.0	0.0	1.0	2.0	1.0
NEMATODA	2	0.0	0.0	0.0	0.0	2.0
OPHI?AFF	1	1.0	0.0	0.0	0.0	0.0
OWEN.FUS	1	0.0	0.0	0.0	0.0	1.0
PHAS.STR	1	0.0	1.0	0.0	0.0	0.0
PIST.CRI	1	0.0	0.0	0.0	1.0	0.0
POLY.GIA	1	0.0	0.0	0.0	0.0	1.0
POLY?CAE	1	0.0	1.0	0.0	0.0	0.0
PRIO.CIR	3	1.0	2.0	0.0	0.0	0.0
PUTILLAZ	1	0.0	0.0	0.0	0.0	1.0
SCAL.INF	1	0.0	0.0	0.0	0.0	1.0
SCOL.ARM	1	0.0	1.0	0.0	0.0	0.0
SERPULIX	1	1.0	0.0	0.0	0.0	0.0
SPIO.BOM	15	3.0	4.0	3.0	3.0	2.0
SPIO.KRO	6	5.0	0.0	0.0	1.0	0.0
SPIONIDX	1	0.0	1.0	0.0	0.0	0.0
STENOTXB	1	0.0	1.0	0.0	0.0	0.0
STHE.LIM	1	0.0	0.0	0.0	0.0	1.0
SYNC?MAC	1	0.0	0.0	1.0	0.0	0.0
THAR.MAR	2	0.0	0.0	0.0	0.0	2.0
UNCI.PLA	4	2.0	0.0	1.0	1.0	0.0
VENU.OVA	1	0.0	0.0	0.0	0.0	1.0
VERMIFOR	4	0.0	2.0	0.0	2.0	0.0

STA A5

**		2	3	5	6	7
ABRA.PRI	1	1.0	0.0	0.0	0.0	0.0
AMPH.FIL	3	0.0	0.0	2.0	0.0	1.0
AONI.PAU	2	1.0	0.0	1.0	0.0	0.0
ARCT.ISL	2	0.0	0.0	0.0	1.0	1.0
ARIC.CAT	3	1.0	0.0	0.0	1.0	1.0
ARIC.CER	2	1.0	0.0	1.0	0.0	0.0
ARIC.SIM	1	0.0	1.0	0.0	0.0	0.0
ARIC.WAS	1	1.0	0.0	0.0	0.0	0.0
CAUL?KIL	2	0.0	1.0	1.0	0.0	0.0
DITR.ARI	4	1.0	1.0	1.0	0.0	1.0
ECHI.PUS	1	1.0	0.0	0.0	0.0	0.0
EUDO.DEF	1	1.0	0.0	0.0	0.0	0.0
EXO.G.VER	1	0.0	0.0	0.0	0.0	1.0
GARI...Z	1	0.0	0.0	1.0	0.0	0.0

GLYCERAZ	2	1.0	0.0	1.0	0.0	0.0
HEMI.ASS	1	1.0	0.0	0.0	0.0	0.0
HIAT.ARC	1	0.0	1.0	0.0	0.0	0.0
HYAL.TUB	2	0.0	0.0	2.0	0.0	0.0
HYDR.NOR	2	0.0	1.0	0.0	0.0	1.0
IRREGULA	1	1.0	0.0	0.0	0.0	0.0
MALDANIX	1	1.0	0.0	0.0	0.0	0.0
MYRIOCHZ	1	1.0	0.0	0.0	0.0	0.0
NEMATODA	4	2.0	1.0	0.0	1.0	0.0
NEMERTIN	1	0.0	1.0	0.0	0.0	0.0
NEPHTYSZ	1	0.0	0.0	1.0	0.0	0.0
NOTO.LAT	2	2.0	0.0	0.0	0.0	0.0
OPHE.LIM	1	0.0	1.0	0.0	0.0	0.0
ORCH.NAN	5	0.0	5.0	0.0	0.0	0.0
OWEN.FUS	3	2.0	0.0	0.0	1.0	0.0
PHIL.QUA	1	0.0	0.0	0.0	0.0	1.0
PIST.MAC	1	1.0	0.0	0.0	0.0	0.0
SCOL.ARM	1	1.0	0.0	0.0	0.0	0.0
SERP.VER	1	0.0	0.0	0.0	0.0	1.0
SPIO.BOM	6	1.0	1.0	4.0	0.0	0.0
SPIO.FIL	1	0.0	0.0	0.0	0.0	1.0
SPIO.KRO	7	1.0	1.0	1.0	0.0	4.0
TROPHONZ	1	0.0	1.0	0.0	0.0	0.0
UNCI.PLA	4	2.0	1.0	0.0	0.0	1.0
VENU.OVA	1	0.0	1.0	0.0	0.0	0.0
VERMIFOR	1	1.0	0.0	0.0	0.0	0.0

STA A6

**		1	3	5	6	7
ABRA.PRI	1	1.0	0.0	0.0	0.0	0.0
AMPH.FIL	3	0.0	2.0	0.0	0.0	1.0
ANAP.LAE	1	0.0	0.0	0.0	1.0	0.0
AONI.PAU	8	1.0	0.0	4.0	0.0	3.0
ARCT.ISL	4	1.0	2.0	0.0	0.0	1.0
ARIC.CAT	3	1.0	0.0	0.0	2.0	0.0
ASTA.SUL	1	0.0	0.0	0.0	1.0	0.0
BRYOZOA.	1	0.0	0.0	0.0	0.0	1.0
CAUL?KIL	1	0.0	0.0	0.0	0.0	1.0
CHAE.SET	1	0.0	0.0	1.0	0.0	0.0
CLYMENUZ	1	0.0	0.0	0.0	1.0	0.0
DENT.ENT	1	0.0	0.0	1.0	0.0	0.0
DITR.ARI	1	0.0	1.0	0.0	0.0	0.0
EUCLYMEZ	1	0.0	0.0	1.0	0.0	0.0
EUDO.DEF	1	0.0	0.0	0.0	0.0	1.0
EXOG.VER	2	2.0	0.0	0.0	0.0	0.0

GAMM.NIT	1	0.0	0.0	0.0	0.0	1.0
GLYCERAZ	1	0.0	0.0	1.0	0.0	0.0
GOLFINGZ	2	0.0	0.0	0.0	2.0	0.0
HARMOTHZ	1	0.0	0.0	0.0	0.0	1.0
HETE.FIL	1	0.0	0.0	1.0	0.0	0.0
HIPP.DEN	1	0.0	0.0	1.0	0.0	0.0
HYDR.NOR	5	0.0	0.0	0.0	0.0	5.0
NEMATODA	5	2.0	1.0	2.0	0.0	0.0
NEMERTIN	2	0.0	0.0	0.0	2.0	0.0
NEPHTYSZ	1	0.0	0.0	0.0	0.0	1.0
ONUP.CON	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	4	2.0	1.0	0.0	0.0	1.0
PRIO.CIR	1	0.0	0.0	0.0	0.0	1.0
SOSA.GRA	1	0.0	0.0	0.0	1.0	0.0
SPIO.BOM	18	2.0	2.0	5.0	4.0	5.0
SPIO.KRO	5	1.0	1.0	1.0	1.0	1.0
STENOTHX	1	0.0	0.0	0.0	0.0	1.0
STHE.LIM	1	0.0	1.0	0.0	0.0	0.0
STREBLOZ	1	0.0	0.0	0.0	1.0	0.0
UNCI.PLA	3	0.0	1.0	1.0	0.0	1.0
VENU.OVA	1	0.0	0.0	0.0	0.0	1.0
VERMIFOR	5	0.0	2.0	1.0	1.0	1.0
VERR.STR	16	0.0	0.0	0.0	0.0	16.0

STA A7

**		1	2	4	5	6
ABRA.PRI	3	1.0	0.0	1.0	1.0	0.0
AMPH.FIL	2	1.0	0.0	1.0	0.0	0.0
ANAITIDZ	1	1.0	0.0	0.0	0.0	0.0
AONI.PAU	10	5.0	0.0	3.0	2.0	0.0
ARCT.ISL	4	0.0	1.0	3.0	0.0	0.0
ARIC.CAT	5	1.0	1.0	0.0	0.0	3.0
ARIC.CER	2	1.0	0.0	0.0	1.0	0.0
ARIC.SIM	1	0.0	0.0	0.0	1.0	0.0
BATH.PEL	1	0.0	0.0	0.0	1.0	0.0
CAUL?KIL	1	0.0	0.0	0.0	0.0	1.0
CERI?LLO	2	0.0	0.0	0.0	2.0	0.0
CHON?COL	1	1.0	0.0	0.0	0.0	0.0
CLYMENUZ	1	0.0	1.0	0.0	0.0	0.0
DENT.ENT	2	1.0	0.0	1.0	0.0	0.0
DITR.ARI	2	0.0	0.0	1.0	1.0	0.0
EDWA.CLA	1	0.0	0.0	0.0	1.0	0.0
EUDO.DEF	2	0.0	1.0	0.0	0.0	1.0
EXOG.VER	1	0.0	0.0	0.0	1.0	0.0
GLYCERAZ	2	1.0	1.0	0.0	0.0	0.0

HYDR.NOR	1	0.0	1.0	0.0	0.0	0.0
JASMINEZ	1	0.0	0.0	0.0	1.0	0.0
MALDANIX	1	1.0	0.0	0.0	0.0	0.0
ONUP.CON	1	0.0	0.0	0.0	0.0	1.0
OPHE.LIM	1	1.0	0.0	0.0	0.0	0.0
ORBI.SER	2	1.0	0.0	1.0	0.0	0.0
OWEN.FUS	3	1.0	0.0	0.0	0.0	2.0
POEC.SER	1	0.0	0.0	0.0	1.0	0.0
POLY.GIA	1	0.0	0.0	0.0	0.0	1.0
REGULARI	1	1.0	0.0	0.0	0.0	0.0
SPIO.BOM	12	0.0	6.0	0.0	4.0	2.0
SPIO.KRO	11	2.0	0.0	3.0	3.0	3.0
SPIONIDX	1	0.0	0.0	0.0	1.0	0.0
SPIOPHAZ	1	1.0	0.0	0.0	0.0	0.0
UBESTMT	1	1.0	0.0	0.0	0.0	0.0
UNCI.PLA	1	1.0	0.0	0.0	0.0	0.0
UROT.ELE	1	0.0	0.0	0.0	0.0	1.0
VERMIFOR	5	0.0	1.0	0.0	2.0	2.0

STA A8

**		1	2	4	6
ABRA.PRI	3	1.0	1.0	0.0	1.0
AMPH.FIL	4	1.0	1.0	0.0	2.0
AONI.PAU	8	3.0	1.0	2.0	2.0
ARCT.ISL	6	1.0	2.0	0.0	3.0
ARIC.CAT	6	1.0	1.0	1.0	3.0
BATH.PEL	1	0.0	1.0	0.0	0.0
CAUL?KIL	1	0.0	1.0	0.0	0.0
CIRR.CIR	1	1.0	0.0	0.0	0.0
DIPL.GLA	1	0.0	0.0	1.0	0.0
DITR.ARI	5	2.0	0.0	0.0	3.0
EUDO.DEF	1	0.0	1.0	0.0	0.0
EXOG.VER	1	0.0	0.0	0.0	1.0
FABRICIY	1	1.0	0.0	0.0	0.0
GLYCERAZ	1	1.0	0.0	0.0	0.0
GOLFINGZ	2	1.0	0.0	1.0	0.0
HARMOTHZ	1	0.0	0.0	0.0	1.0
HETE.FIL	1	0.0	1.0	0.0	0.0
MALDANIX	2	0.0	0.0	1.0	1.0
NEMERTIN	4	0.0	2.0	2.0	0.0
NOTO.LAT	1	0.0	0.0	1.0	0.0
OPHI?AFF	1	0.0	0.0	0.0	1.0
ORBI.SER	1	0.0	1.0	0.0	0.0
OWEN.FUS	8	1.0	1.0	2.0	4.0
PHIL.QUA	1	1.0	0.0	0.0	0.0

PIST.CRI	1	0.0	0.0	1.0	0.0
POLY.GIA	1	0.0	1.0	0.0	0.0
PRIO.CIR	1	0.0	0.0	0.0	1.0
SIPH?STR	3	1.0	0.0	1.0	1.0
SOSA.GRA	1	0.0	0.0	1.0	0.0
SPIO.BOM	9	1.0	3.0	4.0	1.0
SPIO.KRO	8	1.0	2.0	0.0	5.0
SPIOPHAZ	1	0.0	0.0	0.0	1.0
STENOTHZ	1	1.0	0.0	0.0	0.0
TEREBELX	1	0.0	0.0	0.0	1.0
THRA?PHA	1	1.0	0.0	0.0	0.0
UNCI.PLA	2	1.0	0.0	1.0	0.0
UROT.ELE	1	0.0	0.0	0.0	1.0
VENU.OVA	1	0.0	0.0	1.0	0.0
VERMIFOR	3	1.0	0.0	0.0	2.0
WEST.CAE	2	0.0	1.0	0.0	1.0

STA A9

**		1	2	3	4	5
ABRA.PRI	3	0.0	1.0	1.0	1.0	0.0
AMPH.FIL	6	0.0	1.0	2.0	0.0	3.0
ANAI?SUB	1	0.0	0.0	1.0	0.0	0.0
ANAP.LAE	1	0.0	0.0	0.0	0.0	1.0
AONI.PAU	15	2.0	4.0	0.0	6.0	3.0
ARCT.ISL	1	0.0	0.0	0.0	1.0	0.0
ARIC.CAT	9	0.0	3.0	1.0	1.0	4.0
ARIC.CER	3	1.0	1.0	0.0	1.0	0.0
CAUL.BIO	1	0.0	0.0	0.0	1.0	0.0
CAUL?KIL	2	0.0	1.0	1.0	0.0	0.0
CERI?LLO	1	0.0	0.0	0.0	0.0	1.0
CHON?COL	2	1.0	1.0	0.0	0.0	0.0
CIRR.CIR	3	0.0	0.0	0.0	3.0	0.0
DIPL.GLA	1	0.0	0.0	0.0	1.0	0.0
DOSI?EXO	1	0.0	0.0	0.0	1.0	0.0
EUDO.DEF	1	0.0	1.0	0.0	0.0	0.0
EXOG.VER	3	0.0	0.0	2.0	1.0	0.0
GLYCERAZ	1	0.0	0.0	0.0	0.0	1.0
HIPP.DEN	1	0.0	0.0	0.0	0.0	1.0
NEMATODA	3	0.0	0.0	0.0	2.0	1.0
NEMERTIN	2	1.0	0.0	0.0	1.0	0.0
NOTO.LAT	1	0.0	1.0	0.0	0.0	0.0
OPHE.LIM	1	0.0	0.0	0.0	1.0	0.0
OWEN.FUS	1	0.0	1.0	0.0	0.0	0.0
PARV.MIN	1	0.0	0.0	0.0	1.0	0.0
PECT.AUR	2	0.0	1.0	0.0	1.0	0.0

POEC.SER	1	0.0	0.0	0.0	0.0	1.0
POLY.PUL	2	0.0	0.0	0.0	1.0	1.0
SOSA.GRA	1	0.0	0.0	1.0	0.0	0.0
SPIO.BOM	10	0.0	2.0	1.0	4.0	3.0
SPIO.KRO	8	2.0	1.0	2.0	1.0	2.0
TEREBELX	1	0.0	0.0	0.0	1.0	0.0
UNCI.PLA	5	0.0	1.0	0.0	2.0	2.0
UROT.ELE	1	0.0	1.0	0.0	0.0	0.0
VENU.OVA	1	0.0	0.0	1.0	0.0	0.0
VERMIFOR	4	2.0	2.0	0.0	0.0	0.0
WEST.CAE	1	0.0	0.0	0.0	0.0	1.0

STA A10

**		1	2	3	5	6
ABRA.PRI	2	0.0	0.0	1.0	1.0	0.0
AMPH.FIL	3	1.0	1.0	0.0	1.0	0.0
AONI.PAU	3	2.0	0.0	0.0	1.0	0.0
ARCT.ISL	2	0.0	1.0	1.0	0.0	0.0
ARIC.CAT	1	1.0	0.0	0.0	0.0	0.0
ARIC.CER	1	1.0	0.0	0.0	0.0	0.0
CAUL?KIL	1	1.0	0.0	0.0	0.0	0.0
CHAE.SET	1	1.0	0.0	0.0	0.0	0.0
CIRR.CIR	1	0.0	0.0	0.0	0.0	1.0
DITR.ARI	2	2.0	0.0	0.0	0.0	0.0
ECHI.FLA	1	0.0	0.0	1.0	0.0	0.0
ECHI.PUS	1	0.0	1.0	0.0	0.0	0.0
EUDO.DEF	3	1.0	0.0	0.0	1.0	1.0
EULI.BIL	1	0.0	0.0	1.0	0.0	0.0
GASTROPO	1	0.0	0.0	1.0	0.0	0.0
GLYCERAZ	1	1.0	0.0	0.0	0.0	0.0
HYAL.TUB	1	0.0	0.0	0.0	1.0	0.0
JASM?CAU	2	0.0	0.0	0.0	1.0	1.0
MONT.SUB	3	0.0	0.0	3.0	0.0	0.0
NEMATODA	3	2.0	0.0	1.0	0.0	0.0
NEPHTYSZ	1	0.0	0.0	1.0	0.0	0.0
NOTO.LAT	1	0.0	1.0	0.0	0.0	0.0
ORCH.NAN	1	0.0	1.0	0.0	0.0	0.0
OWEN.FUS	4	2.0	0.0	0.0	2.0	0.0
PHAS.STR	1	0.0	1.0	0.0	0.0	0.0
PHIL.SCA	1	1.0	0.0	0.0	0.0	0.0
PHYLLODX	2	1.0	0.0	0.0	0.0	1.0
PRIO.CIR	1	0.0	0.0	0.0	0.0	1.0
SPIO.BOM	9	4.0	2.0	2.0	1.0	0.0
SPIO.KRO	5	4.0	0.0	0.0	0.0	1.0
STENOTXB	1	0.0	0.0	0.0	0.0	1.0

STREBLOZ	1	1.0	0.0	0.0	0.0	0.0
UNCI.PLA	4	1.0	0.0	0.0	2.0	1.0
VENU.OVA	1	0.0	0.0	1.0	0.0	0.0
VERMIFOR	3	1.0	0.0	0.0	1.0	1.0

STA B1

**		1	2	3	4	5
AMPH.FIL	4	2.0	1.0	0.0	0.0	1.0
AONI.PAU	4	0.0	1.0	1.0	0.0	2.0
ARCT.ISL	1	0.0	0.0	1.0	0.0	0.0
ARIC.CAT	2	1.0	0.0	1.0	0.0	0.0
ARIC.CER	1	0.0	0.0	1.0	0.0	0.0
DIPL.GLA	1	0.0	0.0	0.0	0.0	1.0
EUDO.DEF	2	1.0	0.0	1.0	0.0	0.0
EXOG.VER	1	0.0	0.0	1.0	0.0	0.0
GLYCERAZ	3	1.0	1.0	1.0	0.0	0.0
HYAL.TUB	1	0.0	1.0	0.0	0.0	0.0
LEMB?LON	2	0.0	2.0	0.0	0.0	0.0
MONT.SUB	1	0.0	0.0	0.0	1.0	0.0
MYRIOCHZ	2	0.0	0.0	0.0	0.0	2.0
NEMERTIN	1	1.0	0.0	0.0	0.0	0.0
NEPHTYSZ	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	3	1.0	0.0	1.0	1.0	0.0
PHYLLODX	1	1.0	0.0	0.0	0.0	0.0
POEC.SER	1	0.0	0.0	1.0	0.0	0.0
POLY.CRA	1	0.0	0.0	1.0	0.0	0.0
POLYCIRZ	1	1.0	0.0	0.0	0.0	0.0
SCOL.ARM	1	1.0	0.0	0.0	0.0	0.0
SOSA.GRA	1	0.0	0.0	1.0	0.0	0.0
SPIO.BOM	6	1.0	2.0	1.0	0.0	2.0
SPIO.KRO	4	0.0	3.0	1.0	0.0	0.0
THRA?PHA	1	0.0	0.0	0.0	1.0	0.0
TRAV.FOR	1	1.0	0.0	0.0	0.0	0.0
UNCI.PLA	2	0.0	0.0	2.0	0.0	0.0
UROT.ELE	1	0.0	0.0	0.0	1.0	0.0
VENU.OVA	1	0.0	0.0	0.0	0.0	1.0
VERMIFOR	2	0.0	1.0	0.0	0.0	1.0

STA B2

**		2	3	4	5	6
ABRA.PRI	2	1.0	0.0	0.0	0.0	1.0
AMPH.FIL	2	0.0	1.0	0.0	0.0	1.0
AMPHIPOD	1	1.0	0.0	0.0	0.0	0.0
AONI.PAU	7	1.0	2.0	0.0	0.0	4.0
ARCT.ISL	1	0.0	0.0	0.0	1.0	0.0

ARIC.CAT	4	1.0	1.0	0.0	1.0	1.0
CAUL.BIO	1	0.0	0.0	1.0	0.0	0.0
CERI?LLO	2	0.0	0.0	0.0	0.0	2.0
CHON?COL	1	0.0	0.0	0.0	0.0	1.0
CLYMENUZ	1	0.0	1.0	0.0	0.0	0.0
ECHI.PUS	1	0.0	1.0	0.0	0.0	0.0
EDWA.CLA	1	0.0	0.0	1.0	0.0	0.0
EUDO.DEF	3	2.0	1.0	0.0	0.0	0.0
EXOG.VER	1	0.0	1.0	0.0	0.0	0.0
GLYCERAZ	3	0.0	1.0	1.0	0.0	1.0
GONI.MAC	1	0.0	0.0	0.0	1.0	0.0
HYAL.TUB	1	1.0	0.0	0.0	0.0	0.0
JASM?CAU	1	0.0	0.0	0.0	1.0	0.0
MYRI.OCU	2	0.0	1.0	0.0	1.0	0.0
NOTO.LAT	1	1.0	0.0	0.0	0.0	0.0
OPHE.LIM	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	4	0.0	0.0	0.0	3.0	1.0
PHORONID	1	0.0	1.0	0.0	0.0	0.0
PIST.CRI	1	0.0	0.0	1.0	0.0	0.0
POEC.SER	1	0.0	1.0	0.0	0.0	0.0
SOSA.GRA	1	0.0	0.0	0.0	1.0	0.0
SPIO...Z	1	0.0	1.0	0.0	0.0	0.0
SPIO.BOM	9	2.0	2.0	0.0	1.0	4.0
SPIO.KRO	2	0.0	0.0	2.0	0.0	0.0
TMET.CIC	1	1.0	0.0	0.0	0.0	0.0
TRAV.FOR	1	0.0	0.0	0.0	1.0	0.0
VENU.OVA	2	0.0	1.0	0.0	0.0	1.0
VERMIFOR	4	2.0	0.0	0.0	0.0	2.0

STA B3

**		1	2	4	5	7
ABRA.PRI	3	0.0	1.0	1.0	1.0	0.0
AMPH.FIL	6	0.0	0.0	2.0	1.0	3.0
ANAP.LAE	1	0.0	1.0	0.0	0.0	0.0
AONI.PAU	12	3.0	0.0	2.0	1.0	6.0
ARCT.ISL	4	0.0	0.0	2.0	2.0	0.0
ARIC.CAT	10	1.0	1.0	5.0	0.0	3.0
ARIC.WAS	1	0.0	0.0	0.0	0.0	1.0
ASTA.SUL	2	0.0	0.0	0.0	1.0	1.0
CAUL?KIL	1	0.0	0.0	0.0	1.0	0.0
CAULLERZ	1	0.0	0.0	0.0	0.0	1.0
CERI?LLO	5	0.0	0.0	0.0	2.0	3.0
CHON?COL	1	0.0	0.0	0.0	0.0	1.0
EDWA.CLA	2	0.0	2.0	0.0	0.0	0.0
ETEONE.Z	1	0.0	0.0	1.0	0.0	0.0

EUDO.DEF	2	0.0	1.0	0.0	0.0	1.0
EXOGONEZ	1	0.0	0.0	0.0	0.0	1.0
GLYCERAZ	1	0.0	0.0	1.0	0.0	0.0
IRREGULA	1	0.0	0.0	0.0	1.0	0.0
JASM?CAU	2	0.0	0.0	0.0	0.0	2.0
MYRIOCHZ	3	3.0	0.0	0.0	0.0	0.0
NEMATODA	1	1.0	0.0	0.0	0.0	0.0
NEMERTIN	2	0.0	0.0	0.0	0.0	2.0
OPHI?AFF	4	0.0	1.0	0.0	1.0	2.0
OWEN.FUS	1	0.0	0.0	0.0	0.0	1.0
PHIL.QUA	1	0.0	0.0	1.0	0.0	0.0
PHIL.SCA	1	0.0	0.0	0.0	0.0	1.0
PHYLLODX	1	0.0	1.0	0.0	0.0	0.0
PIST.CRI	1	1.0	0.0	0.0	0.0	0.0
POEC.SER	3	0.0	1.0	0.0	0.0	2.0
PRIO.CIR	1	0.0	1.0	0.0	0.0	0.0
SCOL.ARM	1	0.0	0.0	0.0	0.0	1.0
SPIO.BOM	17	0.0	1.0	7.0	1.0	8.0
SPIO.FIL	1	0.0	0.0	0.0	1.0	0.0
SPIO.KRO	10	0.0	0.0	4.0	1.0	5.0
STHE.LIM	1	0.0	1.0	0.0	0.0	0.0
SYNC?MAC	3	0.0	1.0	0.0	0.0	2.0
UNCI.PLA	6	1.0	1.0	3.0	1.0	0.0
UROT.ELE	1	0.0	0.0	1.0	0.0	0.0
VENU.OVA	12	0.0	3.0	1.0	3.0	5.0
VERMIFOR	1	0.0	0.0	1.0	0.0	0.0

STA B4

**		1	2	3	5	6
ABRA.PRI	1	0.0	0.0	0.0	1.0	0.0
AMPE.BRE	1	0.0	0.0	1.0	0.0	0.0
ANAI.GRO	2	1.0	0.0	1.0	0.0	0.0
AONI.PAU	3	0.0	0.0	1.0	1.0	1.0
ARCT.ISL	2	0.0	0.0	1.0	1.0	0.0
ARIC.CAT	2	2.0	0.0	0.0	0.0	0.0
ARIC.CER	1	0.0	0.0	0.0	1.0	0.0
ASTA.SUL	1	0.0	0.0	1.0	0.0	0.0
CERI?LLO	11	2.0	0.0	2.0	1.0	6.0
DIPL:GLA	1	0.0	0.0	1.0	0.0	0.0
EDWA.CLA	2	1.0	0.0	0.0	1.0	0.0
EUDO.DEF	1	1.0	0.0	0.0	0.0	0.0
GLYCERAZ	1	0.0	0.0	0.0	0.0	1.0
JASM?CAU	2	1.0	0.0	0.0	1.0	0.0
MALDANIX	1	0.0	0.0	1.0	0.0	0.0
MYRIOCHZ	1	0.0	0.0	0.0	0.0	1.0

NEMERTIN	3	0.0	0.0	1.0	0.0	2.0
OPHI?AFF	2	0.0	0.0	1.0	1.0	0.0
OWEN.FUS	6	0.0	0.0	1.0	4.0	1.0
PAGU.PRI	1	0.0	0.0	0.0	0.0	1.0
PARV.MIN	1	0.0	1.0	0.0	0.0	0.0
PIST.CRI	1	0.0	0.0	0.0	1.0	0.0
PRAX.LON	1	1.0	0.0	0.0	0.0	0.0
PRIONOSZ	1	1.0	0.0	0.0	0.0	0.0
PSEU.SIM	1	0.0	0.0	0.0	0.0	1.0
SCOL.ARM	2	1.0	0.0	0.0	0.0	1.0
SPIO.BOM	10	4.0	0.0	3.0	1.0	2.0
SPIO.KRO	4	2.0	0.0	2.0	0.0	0.0
STENOTHX	1	0.0	0.0	1.0	0.0	0.0
STREBLOZ	1	0.0	0.0	0.0	0.0	1.0
SUBE.DOM	1	0.0	0.0	0.0	0.0	1.0
SYNC.HAP	1	0.0	1.0	0.0	0.0	0.0
UNCI.PLA	2	0.0	1.0	1.0	0.0	0.0
UROT.ELE	2	1.0	0.0	0.0	0.0	1.0
VENU.OVA	3	1.0	0.0	2.0	0.0	0.0
YOLD.TOM	1	0.0	1.0	0.0	0.0	0.0

STA B5

**		3	4	5	6	7
AMPH.FIL	4	2.0	1.0	1.0	0.0	0.0
AMPH?SPE	2	2.0	0.0	0.0	0.0	0.0
ANAP.LAE	1	0.0	0.0	1.0	0.0	0.0
ANTHOZOA	1	1.0	0.0	0.0	0.0	0.0
AONI.PAU	10	1.0	1.0	1.0	3.0	4.0
ARCT.ISL	2	1.0	0.0	0.0	0.0	1.0
ARIC.CAT	6	2.0	0.0	1.0	0.0	3.0
ARIC.ROB	2	1.0	0.0	0.0	0.0	1.0
ASCIDIAC	1	1.0	0.0	0.0	0.0	0.0
CAUL?KIL	1	0.0	0.0	0.0	0.0	1.0
CERI?LLO	14	3.0	4.0	0.0	1.0	6.0
CIRR.CIR	2	1.0	0.0	0.0	0.0	1.0
CLYMENUZ	1	0.0	1.0	0.0	0.0	0.0
DIPL.GLA	1	0.0	0.0	0.0	0.0	1.0
DITR.ARI	1	0.0	1.0	0.0	0.0	0.0
ECHI.PUS	1	0.0	0.0	1.0	0.0	0.0
EDWA.CLA	1	0.0	0.0	1.0	0.0	0.0
EUDO.DEF	2	0.0	0.0	0.0	1.0	1.0
EXOG.VER	1	0.0	1.0	0.0	0.0	0.0
GLYCERAZ	1	0.0	0.0	0.0	0.0	1.0
JASM?CAU	1	1.0	0.0	0.0	0.0	0.0
MYRIOCHZ	1	1.0	0.0	0.0	0.0	0.0

NATI.ALD	1	0.0	1.0	0.0	0.0	0.0
NEMATODA	3	0.0	1.0	2.0	0.0	0.0
NEMERTIN	1	0.0	1.0	0.0	0.0	0.0
NOTO.LAT	1	0.0	0.0	0.0	0.0	1.0
ONUP.CON	2	0.0	1.0	0.0	1.0	0.0
OPHE.LIM	1	0.0	1.0	0.0	0.0	0.0
OPHI?AFF	1	0.0	0.0	0.0	0.0	1.0
ORCH.NAN	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	5	0.0	3.0	0.0	1.0	1.0
PHYLLODX	1	0.0	0.0	1.0	0.0	0.0
PIST.CRI	1	0.0	0.0	1.0	0.0	0.0
SPIO.BOM	9	0.0	2.0	1.0	2.0	4.0
SPIO.FIL	1	0.0	0.0	0.0	1.0	0.0
SPIO.KRO	5	0.0	0.0	1.0	2.0	2.0
STENOTXB	1	0.0	1.0	0.0	0.0	0.0
STHE.LIM	1	0.0	0.0	1.0	0.0	0.0
STHENELZ	1	0.0	0.0	0.0	1.0	0.0
SYNC?MAC	1	0.0	1.0	0.0	0.0	0.0
TEREBELX	1	0.0	0.0	0.0	1.0	0.0
UNCI.PLA	7	0.0	5.0	0.0	1.0	1.0
UROT.ELE	1	0.0	1.0	0.0	0.0	0.0
VENU.OVA	2	1.0	1.0	0.0	0.0	0.0

STA B6

**	1	4	5	6	7	
ABRA.PRI	4	2.0	0.0	0.0	1.0	1.0
AMPH.FIL	6	2.0	4.0	0.0	0.0	0.0
ANTHOZOA	1	1.0	0.0	0.0	0.0	0.0
AONI.PAU	6	1.0	1.0	0.0	1.0	3.0
ARCT.ISL	1	0.0	0.0	0.0	1.0	0.0
ARIC.CAT	3	1.0	1.0	0.0	0.0	1.0
ARIC.CER	1	1.0	0.0	0.0	0.0	0.0
CAUL?KIL	1	0.0	0.0	0.0	1.0	0.0
CERI?LLO	4	1.0	1.0	0.0	2.0	0.0
EUDO.DEF	4	3.0	1.0	0.0	0.0	0.0
EXOG.VER	1	0.0	1.0	0.0	0.0	0.0
GOLFINGZ	2	1.0	0.0	0.0	0.0	1.0
JASM?CAU	1	0.0	0.0	0.0	1.0	0.0
LABI.BUS	2	2.0	0.0	0.0	0.0	0.0
NEMATODA	2	0.0	2.0	0.0	0.0	0.0
NEMERTIN	1	0.0	0.0	0.0	0.0	1.0
OPHE.LIM	1	1.0	0.0	0.0	0.0	0.0
OPHI?AFF	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	4	3.0	0.0	0.0	1.0	0.0
PARV.MIN	1	1.0	0.0	0.0	0.0	0.0

PECT.AUR	1	0.0	0.0	0.0	1.0	0.0
PHOT.LON	2	0.0	0.0	2.0	0.0	0.0
PRIO.CIR	1	0.0	0.0	1.0	0.0	0.0
PSEU.SIM	1	0.0	0.0	0.0	1.0	0.0
SIPUNCUL	1	1.0	0.0	0.0	0.0	0.0
SPIO.BOM	9	2.0	2.0	3.0	1.0	1.0
SPIO.KRO	5	0.0	2.0	1.0	0.0	2.0
STENOTHX	1	0.0	0.0	0.0	1.0	0.0
STHE.LIM	1	0.0	0.0	1.0	0.0	0.0
THRA?PHA	1	0.0	0.0	0.0	1.0	0.0
TMET.CIC	1	0.0	0.0	0.0	0.0	1.0
TURBELLA	1	0.0	0.0	0.0	0.0	1.0
UBESTEMT	1	0.0	0.0	0.0	1.0	0.0
UNCI.PLA	1	1.0	0.0	0.0	0.0	0.0
UROT.ELE	4	3.0	1.0	0.0	0.0	0.0
VENU.OVA	4	2.0	1.0	0.0	0.0	1.0

STA B7

**		2	3	4	5	6
ABRA.PRI	4	0.0	1.0	3.0	0.0	0.0
AMPH.FIL	4	0.0	2.0	2.0	0.0	0.0
AONI.PAU	3	1.0	1.0	0.0	0.0	1.0
ARCT.ISL	1	0.0	0.0	0.0	1.0	0.0
ARIC.CAT	1	0.0	0.0	1.0	0.0	0.0
ARIC.CER	1	0.0	0.0	0.0	0.0	1.0
ARIC.WAS	1	0.0	0.0	1.0	0.0	0.0
CAUL.BIO	1	0.0	0.0	0.0	0.0	1.0
CAUL?KIL	4	0.0	1.0	0.0	2.0	1.0
CERI?LLO	2	1.0	0.0	0.0	0.0	1.0
CLYMENUZ	1	0.0	0.0	1.0	0.0	0.0
DENT.ENT	2	0.0	0.0	0.0	2.0	0.0
EUDO.DEF	3	0.0	2.0	0.0	1.0	0.0
GOLFINGZ	1	0.0	0.0	0.0	1.0	0.0
HEMI.ROS	1	0.0	0.0	0.0	1.0	0.0
LIMA.SUL	1	0.0	0.0	0.0	1.0	0.0
MYRIOCHZ	1	1.0	0.0	0.0	0.0	0.0
NEMERTIN	3	1.0	1.0	0.0	0.0	1.0
OPHI?AFF	1	0.0	0.0	1.0	0.0	0.0
OWEN.FUS	4	1.0	1.0	2.0	0.0	0.0
PECT.AUR	1	0.0	0.0	0.0	1.0	0.0
POLY.MED	1	0.0	0.0	0.0	0.0	1.0
PRIO.CIR	1	0.0	0.0	1.0	0.0	0.0
PSEUDOCZ	1	0.0	0.0	0.0	1.0	0.0
SCOL.ARM	1	0.0	0.0	0.0	0.0	1.0
SCOP.CRE	1	0.0	1.0	0.0	0.0	0.0

SPIO.BOM	15	2.0	3.0	2.0	4.0	4.0
SPIO.KRO	3	1.0	0.0	1.0	1.0	0.0
UNCI.PLA	1	0.0	0.0	0.0	1.0	0.0
UROT.ELE	2	0.0	1.0	1.0	0.0	0.0
VENU.OVA	5	0.0	3.0	0.0	1.0	1.0
WEST.CAE	1	1.0	0.0	0.0	0.0	0.0

STA B8

**		2	3	4	5	6
AMPH.FIL	2	0.0	1.0	1.0	0.0	0.0
ANON.SAR	1	0.0	0.0	0.0	1.0	0.0
AONI.PAU	7	2.0	2.0	2.0	0.0	1.0
ARCT.ISL	1	0.0	0.0	0.0	1.0	0.0
ARIC.CAT	3	0.0	0.0	0.0	1.0	2.0
ARIC.CER	2	1.0	0.0	0.0	0.0	1.0
ARIC.ROB	1	1.0	0.0	0.0	0.0	0.0
ASTA.SUL	2	2.0	0.0	0.0	0.0	0.0
CAUL.BIO	1	0.0	0.0	0.0	0.0	1.0
EDWA.CLA	3	0.0	0.0	1.0	2.0	0.0
GLYCERAZ	2	0.0	0.0	0.0	0.0	2.0
GONI.MAC	1	0.0	0.0	0.0	0.0	1.0
HEMI.ROS	2	0.0	0.0	0.0	2.0	0.0
JASM?CAU	1	1.0	0.0	0.0	0.0	0.0
MALDANIX	1	0.0	0.0	1.0	0.0	0.0
MEGA.COR	1	0.0	0.0	0.0	1.0	0.0
NEMATODA	1	0.0	0.0	0.0	0.0	1.0
NEMERTIN	1	0.0	0.0	1.0	0.0	0.0
NEPHTYSZ	1	0.0	0.0	0.0	0.0	1.0
NOTO.LAT	1	1.0	0.0	0.0	0.0	0.0
OPHE.LIM	1	0.0	1.0	0.0	0.0	0.0
OPHI?AFF	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	1	0.0	0.0	0.0	1.0	0.0
PIST.CRI	1	0.0	0.0	0.0	0.0	1.0
POLY?CAE	2	1.0	0.0	0.0	0.0	1.0
SPIO.BOM	9	1.0	3.0	0.0	2.0	3.0
SPIO.KRO	2	0.0	0.0	0.0	1.0	1.0
UNCI.PLA	4	0.0	0.0	2.0	0.0	2.0
UROT.ELE	1	0.0	0.0	0.0	0.0	1.0

STA C1

**		4	5	7	8	9
ABRA.PRI	2	0.0	0.0	0.0	0.0	2.0
AMPH.FIL	9	0.0	5.0	1.0	3.0	0.0
AMPHITHZ	2	0.0	0.0	0.0	0.0	2.0
AONI.PAU	7	3.0	2.0	1.0	0.0	1.0

ARCT.ISL	6	1.0	0.0	2.0	1.0	2.0
ARIC.CAT	3	1.0	0.0	2.0	0.0	0.0
ARICIDEZ	1	0.0	0.0	0.0	1.0	0.0
ASCIDIAC	1	0.0	0.0	0.0	0.0	1.0
ASTA.SUL	1	1.0	0.0	0.0	0.0	0.0
BATH.GUI	1	1.0	0.0	0.0	0.0	0.0
BIVALV.A	1	0.0	1.0	0.0	0.0	0.0
CAUL?KIL	2	0.0	0.0	1.0	1.0	0.0
CHON?COL	1	1.0	0.0	0.0	0.0	0.0
CIRR.CIR	2	1.0	0.0	1.0	0.0	0.0
CORO.CRA	1	1.0	0.0	0.0	0.0	0.0
EDWA.CLA	1	0.0	1.0	0.0	0.0	0.0
EUDO.DEF	3	3.0	0.0	0.0	0.0	0.0
EXOG.VER	4	1.0	0.0	2.0	1.0	0.0
GLYCERAZ	3	1.0	0.0	1.0	0.0	1.0
IRREGULA	2	1.0	0.0	0.0	1.0	0.0
JASM?CAU	3	0.0	0.0	3.0	0.0	0.0
LABI.BUS	3	0.0	0.0	0.0	2.0	1.0
MALDANIX	1	1.0	0.0	0.0	0.0	0.0
NEMATODA	1	0.0	0.0	0.0	1.0	0.0
NOTO.LAT	2	0.0	0.0	2.0	0.0	0.0
OPHELINZ	1	0.0	0.0	1.0	0.0	0.0
OPHI?AFF	1	0.0	1.0	0.0	0.0	0.0
OWEN.FUS	1	1.0	0.0	0.0	0.0	0.0
PARV.MIN	2	0.0	0.0	1.0	0.0	1.0
PHIL.QUA	1	0.0	0.0	0.0	1.0	0.0
POEC.SER	3	1.0	0.0	1.0	1.0	0.0
POLY?CAE	2	0.0	1.0	1.0	0.0	0.0
POLY.PUL	2	1.0	0.0	0.0	1.0	0.0
PORIFERA	1	1.0	0.0	0.0	0.0	0.0
PRAX.LON	1	0.0	0.0	0.0	1.0	0.0
PRIO.CIR	2	0.0	0.0	0.0	1.0	1.0
PSEU.SIM	3	0.0	0.0	0.0	0.0	3.0
SOSA.GRA	1	0.0	1.0	0.0	0.0	0.0
SPIO.BOM	10	5.0	3.0	0.0	1.0	1.0
SPIO.FIL	2	1.0	0.0	0.0	1.0	0.0
SPIO.KRO	11	5.0	3.0	3.0	0.0	0.0
STREBLOZ	1	1.0	0.0	0.0	0.0	0.0
SYNC?MAC	2	0.0	0.0	2.0	0.0	0.0
UNCI.PLA	2	2.0	0.0	0.0	0.0	0.0
UROT.ELE	3	0.0	0.0	0.0	2.0	1.0
VENU.OVA	7	2.0	1.0	4.0	0.0	0.0
VERMIFOR	1	0.0	0.0	1.0	0.0	0.0

STA C2

**		3	5	6	7	8
ABRA.PRI	1	0.0	0.0	0.0	1.0	0.0
ACID.OBE	1	0.0	0.0	0.0	1.0	0.0
AMPH.FIL	2	1.0	0.0	0.0	1.0	0.0
ANTHOZOA	1	1.0	0.0	0.0	0.0	0.0
AONI.PAU	7	2.0	1.0	2.0	2.0	0.0
ARCT.ISL	5	0.0	0.0	0.0	2.0	3.0
ARIC.CAT	1	0.0	0.0	0.0	1.0	0.0
ARIC.CER	6	3.0	0.0	2.0	0.0	1.0
ARIC.SIM	2	1.0	1.0	0.0	0.0	0.0
ASCIDIAC	1	0.0	0.0	0.0	1.0	0.0
CAUL.BIO	2	2.0	0.0	0.0	0.0	0.0
CAUL?KIL	1	0.0	0.0	0.0	1.0	0.0
CERI?LLO	1	0.0	0.0	1.0	0.0	0.0
CHAE.SET	1	1.0	0.0	0.0	0.0	0.0
CHON?COL	3	0.0	1.0	2.0	0.0	0.0
CLYMENUZ	2	0.0	1.0	0.0	1.0	0.0
DENT.ENT	2	0.0	1.0	1.0	0.0	0.0
ECHI.PUS	3	0.0	2.0	1.0	0.0	0.0
EXOG.HEB	1	0.0	1.0	0.0	0.0	0.0
EXOG.VER	3	0.0	1.0	0.0	1.0	1.0
GLYCERAZ	5	0.0	3.0	0.0	2.0	0.0
MYRI.OCU	1	0.0	1.0	0.0	0.0	0.0
NEMERTIN	2	1.0	1.0	0.0	0.0	0.0
NOTO.LAT	9	1.0	4.0	1.0	3.0	0.0
ONUP.CON	2	0.0	0.0	1.0	1.0	0.0
OPHE.LIM	1	0.0	0.0	0.0	0.0	1.0
OPHI?AFF	1	0.0	1.0	0.0	0.0	0.0
OWEN.FUS	5	0.0	0.0	1.0	3.0	1.0
PIST.CRI	1	0.0	0.0	1.0	0.0	0.0
POEC.SER	1	0.0	1.0	0.0	0.0	0.0
POLY.MED	1	0.0	0.0	0.0	0.0	1.0
SIGA.MAT	2	1.0	0.0	1.0	0.0	0.0
SOSA.GRA	1	0.0	0.0	1.0	0.0	0.0
SPIO.BOM	5	1.0	1.0	2.0	0.0	1.0
SPIO.KRO	9	1.0	3.0	0.0	3.0	2.0
SPIO.MEC	1	0.0	0.0	0.0	1.0	0.0
SPIS?ELL	1	1.0	0.0	0.0	0.0	0.0
STENOTXB	1	0.0	1.0	0.0	0.0	0.0
STREBLOZ	1	0.0	0.0	0.0	1.0	0.0
SYNC?MAC	1	0.0	0.0	0.0	1.0	0.0
TEREBELX	4	2.0	2.0	0.0	0.0	0.0
THRA?PHA	1	0.0	1.0	0.0	0.0	0.0
TUBULARZ	1	0.0	1.0	0.0	0.0	0.0

UNCI.PLA	8	0.0	1.0	4.0	2.0	1.0
VENU.OVA	3	0.0	0.0	1.0	1.0	1.0
VIRG.MIR	2	0.0	0.0	0.0	2.0	0.0

STA C3

**		1	3	5	6	7
AMPH.FIL	3	0.0	0.0	0.0	1.0	2.0
ANAITIDZ	1	0.0	0.0	0.0	0.0	1.0
ANOM?EPH	2	0.0	2.0	0.0	0.0	0.0
AONI.PAU	4	3.0	0.0	0.0	1.0	0.0
ARCT.ISL	6	1.0	1.0	0.0	3.0	1.0
ARIC.CAT	2	1.0	0.0	0.0	0.0	1.0
ASTA.SUL	1	0.0	0.0	1.0	0.0	0.0
CAPI.CAP	1	0.0	1.0	0.0	0.0	0.0
CAUL.BIO	2	0.0	0.0	0.0	0.0	2.0
CAUL?KIL	3	0.0	0.0	1.0	0.0	2.0
CERI?LLO	3	0.0	0.0	0.0	2.0	1.0
CHAE.NIL	1	0.0	0.0	0.0	1.0	0.0
CHON?COL	3	1.0	0.0	1.0	1.0	0.0
CIRR.CIR	6	1.0	3.0	0.0	2.0	0.0
CIRRATUZ	1	0.0	0.0	0.0	1.0	0.0
CLYMENUZ	2	1.0	0.0	0.0	1.0	0.0
DENT.ENT	2	0.0	0.0	0.0	2.0	0.0
EDWA.CLA	1	0.0	0.0	0.0	0.0	1.0
EUDO.DEF	1	0.0	0.0	0.0	1.0	0.0
EURY.PUL	1	1.0	0.0	0.0	0.0	0.0
EXOG.VER	1	0.0	0.0	1.0	0.0	0.0
GLYCERAZ	3	0.0	0.0	0.0	0.0	3.0
JASM?CAU	1	0.0	1.0	0.0	0.0	0.0
MYRI.OCU	7	1.0	0.0	0.0	6.0	0.0
MYRIOCHZ	3	0.0	0.0	0.0	2.0	1.0
NEMERTIN	3	0.0	2.0	0.0	0.0	1.0
NEOM.CAR	1	1.0	0.0	0.0	0.0	0.0
NEPHTYSZ	1	1.0	0.0	0.0	0.0	0.0
NOTO.LAT	1	0.0	0.0	0.0	0.0	1.0
ONUP.CON	2	0.0	0.0	2.0	0.0	0.0
OPHR?PUE	1	0.0	0.0	0.0	1.0	0.0
OPHRYOTZ	1	0.0	0.0	0.0	1.0	0.0
OWEN.FUS	4	0.0	1.0	1.0	1.0	1.0
PAGU.PUB	1	0.0	1.0	0.0	0.0	0.0
PHIL.QUA	1	0.0	0.0	0.0	0.0	1.0
PHIL.SCA	1	0.0	0.0	0.0	1.0	0.0
PHOL.MIN	1	0.0	1.0	0.0	0.0	0.0
PHYLLODX	1	0.0	0.0	0.0	0.0	1.0
POEC.SER	1	0.0	0.0	0.0	0.0	1.0

POLY.MED	1	0.0	1.0	0.0	0.0	0.0
POLY.PUL	1	0.0	0.0	0.0	0.0	1.0
PRIO.CIR	1	0.0	0.0	1.0	0.0	0.0
SCAL.INF	1	1.0	0.0	0.0	0.0	0.0
SOSA.GRA	1	0.0	0.0	0.0	0.0	1.0
SPIO.BOM	8	0.0	1.0	4.0	1.0	2.0
SPIO.KRO	7	0.0	1.0	3.0	2.0	1.0
TERE.STR	1	0.0	0.0	1.0	0.0	0.0
TEREBELX	1	1.0	0.0	0.0	0.0	0.0
TRIC.ROS	1	1.0	0.0	0.0	0.0	0.0
UNCI.PLA	1	0.0	0.0	0.0	1.0	0.0
VENU.OVA	10	3.0	0.0	3.0	4.0	0.0
VIRG.MIR	1	0.0	0.0	0.0	1.0	0.0

STA C4

**		1	3	5	6	7
ABRA.PRI	1	0.0	0.0	0.0	1.0	0.0
AMPH.FIL	5	0.0	0.0	3.0	2.0	0.0
ANAITIDZ	1	0.0	0.0	0.0	1.0	0.0
AONI.PAU	5	0.0	0.0	1.0	0.0	4.0
ARCT.ISL	2	0.0	2.0	0.0	0.0	0.0
ARIC.CAT	1	0.0	0.0	1.0	0.0	0.0
ARIC.CER	1	0.0	0.0	0.0	1.0	0.0
ARIC.SIM	1	0.0	0.0	0.0	0.0	1.0
ASCIDIAC	2	0.0	2.0	0.0	0.0	0.0
ASTA.SUL	2	0.0	0.0	0.0	2.0	0.0
CAPI.CAP	4	0.0	0.0	2.0	0.0	2.0
CAUL.BIO	1	0.0	1.0	0.0	0.0	0.0
CAUL?KIL	3	1.0	0.0	1.0	0.0	1.0
CERI?LLO	3	2.0	0.0	0.0	1.0	0.0
CIRO.BOR	1	0.0	1.0	0.0	0.0	0.0
CIRR.CIR	4	1.0	1.0	0.0	1.0	1.0
CLYMENUZ	2	0.0	1.0	0.0	1.0	0.0
DITR.ARI	3	0.0	0.0	1.0	0.0	2.0
ECLYSIPZ	1	0.0	0.0	1.0	0.0	0.0
EDWA.CLA	1	0.0	0.0	0.0	0.0	1.0
EUCHONEZ	1	0.0	0.0	0.0	0.0	1.0
EUDO.DEF	1	0.0	0.0	0.0	0.0	1.0
EXOG.VER	3	1.0	0.0	2.0	0.0	0.0
GLYCERAZ	8	1.0	2.0	3.0	1.0	1.0
HYAL.TUB	1	0.0	0.0	1.0	0.0	0.0
JASM?CAU	1	0.0	0.0	1.0	0.0	0.0
LABI.BUS	3	0.0	0.0	1.0	0.0	2.0
NEMATODA	2	0.0	0.0	0.0	0.0	2.0
NEMERTIN	3	2.0	0.0	0.0	0.0	1.0

NOTO.LAT	3	0.0	1.0	0.0	0.0	2.0
OPHI?AFF	2	1.0	0.0	1.0	0.0	0.0
OWEN.FUS	4	3.0	0.0	1.0	0.0	0.0
PHIL.GLO	1	0.0	0.0	0.0	0.0	1.0
POLY?CAE	2	0.0	0.0	0.0	1.0	1.0
POLYCIRZ	1	0.0	0.0	1.0	0.0	0.0
PRIO.CIR	2	1.0	0.0	1.0	0.0	0.0
SPIO.BOM	3	2.0	0.0	0.0	1.0	0.0
SPIO.KRO	3	0.0	0.0	1.0	2.0	0.0
TEREBELX	2	0.0	2.0	0.0	0.0	0.0
TUBULARZ	1	0.0	0.0	1.0	0.0	0.0
VENU.OVA	8	2.0	1.0	0.0	1.0	4.0
VERMIFOR	1	0.0	0.0	0.0	0.0	1.0
VIRG.MIR	1	1.0	0.0	0.0	0.0	0.0

STA C5

**		1	3	4	5	7
ARCT.ISL	1	0.0	0.0	0.0	0.0	1.0
ARIC.CER	1	0.0	0.0	0.0	1.0	0.0
CAPI.CAP	34	2.0	15.0	3.0	10.0	4.0
CAULLERZ	1	0.0	1.0	0.0	0.0	0.0
DITR.ARI	2	0.0	1.0	0.0	0.0	1.0
EUDO.DEF	1	0.0	1.0	0.0	0.0	0.0
EXOG.HEB	1	0.0	1.0	0.0	0.0	0.0
EXOG.VER	6	0.0	2.0	0.0	4.0	0.0
GLYCERAZ	6	3.0	0.0	0.0	3.0	0.0
LABI.BUS	1	0.0	0.0	0.0	0.0	1.0
MONT.SUB	1	1.0	0.0	0.0	0.0	0.0
NEMATODA	2	0.0	0.0	0.0	1.0	1.0
OWEN.FUS	1	0.0	0.0	0.0	0.0	1.0
PHAS.STR	1	0.0	1.0	0.0	0.0	0.0
PRIO.STE	1	1.0	0.0	0.0	0.0	0.0
SYNC?MAC	1	0.0	1.0	0.0	0.0	0.0

STA C6

**		2	4	5	6	7
AMPH.FIL	1	0.0	0.0	0.0	0.0	1.0
ARIC.ROB	1	0.0	1.0	0.0	0.0	0.0
ARIC.SIM	1	0.0	0.0	0.0	1.0	0.0
CAPI.CAP	5	0.0	4.0	0.0	0.0	1.0
CERI?LLO	1	0.0	1.0	0.0	0.0	0.0
CIRR.CIR	6	0.0	1.0	1.0	0.0	4.0
CIRRATUX	2	0.0	0.0	0.0	2.0	0.0
CIRRATUZ	1	0.0	0.0	0.0	0.0	1.0
CLYMENUZ	3	0.0	2.0	1.0	0.0	0.0

COLU.ISL	1	0.0	0.0	0.0	0.0	1.0
DITR.ARI	4	2.0	1.0	0.0	1.0	0.0
EDWA.CLA	1	0.0	0.0	1.0	0.0	0.0
EXOG.VER	1	0.0	0.0	0.0	0.0	1.0
GASTROPO	1	0.0	1.0	0.0	0.0	0.0
GLYCERAZ	7	3.0	1.0	0.0	2.0	1.0
GOLFINGZ	1	0.0	0.0	0.0	1.0	0.0
JASM?CAU	1	0.0	0.0	0.0	0.0	1.0
NEMATODA	1	0.0	0.0	1.0	0.0	0.0
NEPHTYSZ	1	0.0	0.0	0.0	0.0	1.0
POLY?CAE	2	1.0	0.0	0.0	1.0	0.0
PRIO.CIR	1	0.0	0.0	0.0	1.0	0.0
SCHI.CAE	1	0.0	0.0	0.0	1.0	0.0
SPIO.KRO	2	0.0	0.0	0.0	2.0	0.0
VENU.OVA	1	1.0	0.0	0.0	0.0	0.0
VENU?CAS	1	0.0	0.0	0.0	1.0	0.0
VERMIFOR	2	0.0	0.0	0.0	2.0	0.0

STA C7

**		1	2	3	4	5
ARIC.CER	1	1.0	0.0	0.0	0.0	0.0
ARIC.ROB	1	1.0	0.0	0.0	0.0	0.0
CAPI.CAP	10	4.0	1.0	1.0	2.0	2.0
CAUL?KIL	1	1.0	0.0	0.0	0.0	0.0
CERI?LLO	2	1.0	0.0	0.0	1.0	0.0
CIRR.CIR	1	0.0	1.0	0.0	0.0	0.0
CLYMENUZ	2	1.0	0.0	0.0	1.0	0.0
EDWA.CLA	1	0.0	1.0	0.0	0.0	0.0
EUCHONEZ	1	0.0	1.0	0.0	0.0	0.0
EXOG.VER	2	0.0	1.0	1.0	0.0	0.0
GLYCERAZ	6	0.0	1.0	1.0	1.0	3.0
LABI.BUS	1	0.0	1.0	0.0	0.0	0.0
MALDANIX	2	0.0	0.0	1.0	0.0	1.0
NATI.ALD	1	0.0	1.0	0.0	0.0	0.0
NEMERTIN	1	1.0	0.0	0.0	0.0	0.0
NEPH.CAE	2	0.0	0.0	0.0	2.0	0.0
OPHRYOTZ	1	1.0	0.0	0.0	0.0	0.0
PECT.AUR	1	1.0	0.0	0.0	0.0	0.0
PHIL.GLO	1	0.0	0.0	1.0	0.0	0.0
SERPULIX	2	0.0	1.0	1.0	0.0	0.0
SPIO.KRO	2	0.0	0.0	0.0	0.0	2.0
STHE.LIM	1	1.0	0.0	0.0	0.0	0.0
VERMIFOR	1	0.0	0.0	0.0	0.0	1.0

STA C8

**		1	3	5	6	7
AMPH.FIL	2	0.0	1.0	1.0	0.0	0.0
ARCT.ISL	5	1.0	1.0	2.0	1.0	0.0
ARIC.CAT	1	1.0	0.0	0.0	0.0	0.0
ARIC.ROB	1	0.0	0.0	0.0	0.0	1.0
ASTA.SUL	1	1.0	0.0	0.0	0.0	0.0
ASTR.IRR	1	0.0	0.0	0.0	0.0	1.0
CAPI.CAP	12	1.0	2.0	1.0	2.0	6.0
CAUL.BIO	1	0.0	1.0	0.0	0.0	0.0
CAUL?KIL	2	1.0	0.0	1.0	0.0	0.0
CIRR.CIR	3	0.0	0.0	1.0	1.0	1.0
CLYMENUZ	1	0.0	0.0	0.0	0.0	1.0
DENT.ENT	1	1.0	0.0	0.0	0.0	0.0
DITR.ARI	1	1.0	0.0	0.0	0.0	0.0
DORVILLY	1	0.0	0.0	0.0	0.0	1.0
EXOGEN.VER	1	1.0	0.0	0.0	0.0	0.0
GLYCERAZ	6	2.0	2.0	1.0	0.0	1.0
HARMOTHZ	1	0.0	0.0	0.0	1.0	0.0
JASM?CAU	1	1.0	0.0	0.0	0.0	0.0
LUCINIDX	1	0.0	0.0	0.0	1.0	0.0
OPHI?AFF	1	1.0	0.0	0.0	0.0	0.0
OWEN.FUS	1	0.0	0.0	1.0	0.0	0.0
PECT.AUR	1	0.0	0.0	0.0	1.0	0.0
PHIL.QUA	1	1.0	0.0	0.0	0.0	0.0
PIST.CRI	1	0.0	1.0	0.0	0.0	0.0
POLY?CAE	2	2.0	0.0	0.0	0.0	0.0
PRIO.MAL	1	0.0	0.0	1.0	0.0	0.0
SPIO.KRO	2	0.0	2.0	0.0	0.0	0.0
STHE.LIM	1	0.0	0.0	0.0	0.0	1.0
THYA?OBS	1	0.0	0.0	1.0	0.0	0.0
UTRI.PER	1	1.0	0.0	0.0	0.0	0.0
VENU.OVA	4	3.0	1.0	0.0	0.0	0.0

STA C9

**		1	3	5	6	7
ABRA.PRI	1	0.0	1.0	0.0	0.0	0.0
AMPE.MAC	1	0.0	0.0	1.0	0.0	0.0
AMPH.FIL	1	0.0	1.0	0.0	0.0	0.0
ANAP.LAE	1	0.0	1.0	0.0	0.0	0.0
ARCT.ISL	1	0.0	1.0	0.0	0.0	0.0
ARIC.CAT	2	0.0	0.0	1.0	1.0	0.0
ARIC.CER	1	0.0	0.0	1.0	0.0	0.0
ARIC.SIM	2	0.0	0.0	1.0	0.0	1.0
ARIC.WAS	1	0.0	1.0	0.0	0.0	0.0

CAPI .CAP	9	1.0	3.0	1.0	1.0	3.0
CAUL .BIO	1	0.0	0.0	1.0	0.0	0.0
CAUL?KIL	1	0.0	0.0	0.0	0.0	1.0
CHAE .SET	1	1.0	0.0	0.0	0.0	0.0
CHON?COL	1	1.0	0.0	0.0	0.0	0.0
CLYMENUZ	1	0.0	1.0	0.0	0.0	0.0
DENT .ENT	1	0.0	1.0	0.0	0.0	0.0
EUDO .DEF	1	0.0	0.0	0.0	0.0	1.0
FALC .CRO	1	0.0	0.0	1.0	0.0	0.0
GLYCERAZ	4	1.0	2.0	0.0	1.0	0.0
GONI .MAC	1	0.0	0.0	0.0	0.0	1.0
HYAL .TUB	1	1.0	0.0	0.0	0.0	0.0
JASM?CAU	5	1.0	3.0	1.0	0.0	0.0
LABI .BUS	2	0.0	0.0	0.0	0.0	2.0
LIMA .SUL	1	1.0	0.0	0.0	0.0	0.0
MYRI .OCU	1	0.0	1.0	0.0	0.0	0.0
MYRIOCHZ	1	1.0	0.0	0.0	0.0	0.0
NEPH .CAE	1	0.0	0.0	1.0	0.0	0.0
NEPHTYSZ	2	2.0	0.0	0.0	0.0	0.0
NOTO .LAT	4	2.0	0.0	1.0	0.0	1.0
OLIGOCHA	3	0.0	0.0	1.0	1.0	1.0
OPHI .FLE	1	0.0	0.0	0.0	1.0	0.0
PHANEROZ	1	0.0	0.0	0.0	1.0	0.0
PHIL .SCA	1	1.0	0.0	0.0	0.0	0.0
PHOL .MIN	1	0.0	0.0	0.0	0.0	1.0
PRIO .CIR	2	1.0	0.0	0.0	1.0	0.0
SPIO .KRO	2	0.0	1.0	0.0	1.0	0.0
TEREBELX	1	0.0	0.0	0.0	1.0	0.0
UROT .ELE	2	0.0	0.0	0.0	1.0	1.0
UROTHOEZ	1	0.0	0.0	0.0	0.0	1.0
VENU .OVA	5	0.0	1.0	2.0	1.0	1.0

STA C10

**		1	3	4	5	7
ABRA .PRI	2	1.0	0.0	1.0	0.0	0.0
AMPH .FIL	2	0.0	0.0	0.0	0.0	2.0
ANAP .LAE	1	0.0	1.0	0.0	0.0	0.0
AONI .PAU	3	1.0	0.0	0.0	1.0	1.0
ARCT .ISL	1	0.0	0.0	0.0	0.0	1.0
ARIC .CAT	3	1.0	2.0	0.0	0.0	0.0
ASCIDIAC	2	1.0	0.0	0.0	1.0	0.0
CERI?LLO	2	1.0	0.0	1.0	0.0	0.0
CHLA?OPE	1	0.0	1.0	0.0	0.0	0.0
CHON?COL	1	0.0	0.0	1.0	0.0	0.0
DENT .ENT	1	0.0	0.0	0.0	0.0	1.0

DITR.ARI	1	0.0	1.0	0.0	0.0	0.0
EUDO.DEF	1	0.0	0.0	0.0	0.0	1.0
EXOG.HEB	1	0.0	0.0	0.0	0.0	1.0
GLYCERAZ	2	0.0	1.0	0.0	1.0	0.0
GONI.MAC	1	1.0	0.0	0.0	0.0	0.0
JASM?CAU	3	2.0	1.0	0.0	0.0	0.0
LABI.BUS	4	2.0	0.0	0.0	2.0	0.0
MYRI.OCU	1	0.0	0.0	1.0	0.0	0.0
NEMERTIN	1	0.0	0.0	0.0	1.0	0.0
OWEN.FUS	4	0.0	1.0	1.0	2.0	0.0
PHILINEZ	1	1.0	0.0	0.0	0.0	0.0
PHOL.MIN	1	0.0	0.0	0.0	1.0	0.0
PIST.CRI	1	1.0	0.0	0.0	0.0	0.0
POLY.PUL	1	0.0	1.0	0.0	0.0	0.0
SPIO.BOM	1	0.0	0.0	0.0	0.0	1.0
SPIO.KRO	7	2.0	0.0	0.0	3.0	2.0
TRIC.ROS	1	0.0	0.0	0.0	1.0	0.0
TUBULARZ	1	1.0	0.0	0.0	0.0	0.0
VENU.OVA	7	1.0	0.0	2.0	2.0	2.0

STA C11

**		2	3	4	5	7
ABRA.PRI	1	0.0	0.0	0.0	1.0	0.0
ACID.OBE	1	0.0	1.0	0.0	0.0	0.0
AMPH.FIL	1	1.0	0.0	0.0	0.0	0.0
AONI.PAU	1	0.0	0.0	0.0	0.0	1.0
ARCT.ISL	4	1.0	0.0	0.0	1.0	2.0
ARIC.CER	1	0.0	0.0	1.0	0.0	0.0
ARIC.ROB	1	0.0	1.0	0.0	0.0	0.0
ARIC.SIM	2	0.0	1.0	0.0	0.0	1.0
ARIC.WAS	1	0.0	0.0	0.0	0.0	1.0
ASCIDIAC	1	1.0	0.0	0.0	0.0	0.0
BATH.PEL	1	0.0	0.0	0.0	0.0	1.0
CAUL?KIL	2	0.0	0.0	1.0	0.0	1.0
CERI?LLO	3	1.0	0.0	1.0	1.0	0.0
CHAE.SET	1	0.0	0.0	0.0	1.0	0.0
CHON?COL	2	1.0	1.0	0.0	0.0	0.0
CIRR.CIR	1	0.0	0.0	0.0	0.0	1.0
CIRRATUX	2	0.0	1.0	0.0	0.0	1.0
DENT.ENT	2	0.0	1.0	0.0	0.0	1.0
DITR.ARI	1	1.0	0.0	0.0	0.0	0.0
GLYCERAZ	2	1.0	1.0	0.0	0.0	0.0
HYAL.TUB	1	1.0	0.0	0.0	0.0	0.0
JASM?CAU	2	0.0	1.0	0.0	0.0	1.0
JASMINEZ	2	0.0	0.0	1.0	1.0	0.0

MYRI.OCU	5	3.0	1.0	0.0	1.0	0.0
MYRIOCHZ	8	4.0	0.0	0.0	0.0	4.0
NATICA.Z	1	1.0	0.0	0.0	0.0	0.0
NEMATODA	1	1.0	0.0	0.0	0.0	0.0
NOTO.LAT	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	4	2.0	1.0	0.0	0.0	1.0
POLY?CAE	2	0.0	1.0	1.0	0.0	0.0
PRIO.CIR	1	0.0	0.0	1.0	0.0	0.0
SCOL.ARM	1	1.0	0.0	0.0	0.0	0.0
SPIO.BOM	12	3.0	1.0	5.0	1.0	2.0
SPIO.KRO	12	5.0	0.0	4.0	0.0	3.0
STREBLOZ	1	0.0	0.0	1.0	0.0	0.0
UNCI.PLA	6	0.0	0.0	1.0	0.0	5.0
UROT.ELE	3	1.0	0.0	0.0	0.0	2.0
VENU.OVA	8	3.0	2.0	0.0	0.0	3.0

STA C12

**		2	3	4	5	6
ABRA.PRI	3	1.0	0.0	1.0	0.0	1.0
AMPH.FIL	2	0.0	1.0	0.0	1.0	0.0
ANAP.LAE	1	0.0	0.0	0.0	1.0	0.0
AONI.PAU	2	0.0	1.0	0.0	0.0	1.0
ARCT.ISL	3	0.0	0.0	1.0	0.0	2.0
ARIC.CAT	2	0.0	0.0	0.0	1.0	1.0
ASCIDIAC	1	1.0	0.0	0.0	0.0	0.0
CHON?COL	2	1.0	1.0	0.0	0.0	0.0
DITR.ARI	1	0.0	0.0	1.0	0.0	0.0
EDWA.CLA	2	0.0	0.0	0.0	1.0	1.0
EUDO.DEF	2	0.0	1.0	0.0	1.0	0.0
HEMI.ROS	1	0.0	0.0	0.0	0.0	1.0
JASM?CAU	2	0.0	1.0	0.0	1.0	0.0
MYRI.OCU	1	0.0	0.0	1.0	0.0	0.0
MYRIOCHZ	5	1.0	0.0	3.0	0.0	1.0
NEMATODA	2	0.0	2.0	0.0	0.0	0.0
NEMERTIN	1	1.0	0.0	0.0	0.0	0.0
NEPH.HOM	1	0.0	1.0	0.0	0.0	0.0
NOTO.LAT	1	0.0	0.0	1.0	0.0	0.0
ONUP.CON	1	0.0	1.0	0.0	0.0	0.0
OPHR?PUE	1	0.0	1.0	0.0	0.0	0.0
OWEN.FUS	9	4.0	0.0	3.0	1.0	1.0
PARA?INT	1	0.0	0.0	0.0	1.0	0.0
SPIO.BOM	9	0.0	2.0	2.0	1.0	4.0
SPIO.KRO	6	2.0	2.0	0.0	0.0	2.0
TMETONYZ	1	0.0	1.0	0.0	0.0	0.0
UNCI.PLA	2	1.0	0.0	0.0	1.0	0.0

UROT.ELE	1	1.0	0.0	0.0	0.0	0.0
VENU.OVA	2	0.0	0.0	0.0	2.0	0.0

STA C13

**		2	3	4	5	7
AGLA.RUB	1	0.0	0.0	1.0	0.0	0.0
AMPH.FIL	2	0.0	1.0	1.0	0.0	0.0
ANAITIDZ	1	0.0	0.0	1.0	0.0	0.0
ANAP.LAE	1	0.0	0.0	0.0	0.0	1.0
ANOM?EPH	1	0.0	0.0	0.0	0.0	1.0
AONI.PAU	7	3.0	1.0	0.0	0.0	3.0
ARCT.ISL	1	0.0	0.0	0.0	1.0	0.0
ARIC.CER	8	0.0	2.0	2.0	3.0	1.0
ARIC.SIM	3	0.0	0.0	1.0	2.0	0.0
ASCIDIAC	4	0.0	0.0	2.0	0.0	2.0
ASTA.SUL	1	0.0	0.0	0.0	1.0	0.0
CAUL?KIL	2	0.0	1.0	1.0	0.0	0.0
CERI?LLO	9	4.0	1.0	1.0	0.0	3.0
CHON?COL	1	0.0	0.0	1.0	0.0	0.0
CINGULAZ	1	0.0	0.0	1.0	0.0	0.0
CLYMENUZ	3	0.0	0.0	0.0	1.0	2.0
CORO.CRA	1	0.0	0.0	0.0	0.0	1.0
DITR.ARI	10	0.0	0.0	0.0	0.0	10.0
ECHI.PUS	2	0.0	0.0	0.0	0.0	2.0
EUCH?RUB	1	0.0	0.0	1.0	0.0	0.0
EXOG.HEB	1	0.0	0.0	1.0	0.0	0.0
EXOG.VER	1	0.0	0.0	0.0	0.0	1.0
EXOGONEZ	1	1.0	0.0	0.0	0.0	0.0
GLYCERAZ	7	0.0	2.0	1.0	0.0	4.0
GOLFINGZ	1	0.0	0.0	1.0	0.0	0.0
HESIONIX	1	0.0	0.0	0.0	0.0	1.0
HETE.FIL	1	0.0	0.0	0.0	0.0	1.0
HYDR.NOR	1	0.0	0.0	0.0	0.0	1.0
JASM?CAU	2	0.0	0.0	0.0	0.0	2.0
LEPE.CAE	1	0.0	0.0	0.0	0.0	1.0
LEPT.PIL	1	0.0	1.0	0.0	0.0	0.0
MALACOCZ	1	0.0	1.0	0.0	0.0	0.0
NATICA.Z	1	0.0	0.0	0.0	1.0	0.0
NEMATODA	1	0.0	0.0	0.0	1.0	0.0
NEMERTIN	1	1.0	0.0	0.0	0.0	0.0
NOTO.LAT	9	0.0	0.0	3.0	4.0	2.0
ONUP.CON	4	1.0	0.0	0.0	2.0	1.0
OPHE.LIM	3	0.0	1.0	0.0	1.0	1.0
OWEN.FUS	1	0.0	0.0	0.0	1.0	0.0
PHAS.STR	1	0.0	1.0	0.0	0.0	0.0

PIST.CRI	3	0.0	0.0	2.0	1.0	0.0
POLY.MED	10	0.0	0.0	3.0	2.0	5.0
PRIO.CIR	2	1.0	0.0	1.0	0.0	0.0
SABELLIX	1	0.0	0.0	0.0	0.0	1.0
SCAP.PUN	1	1.0	0.0	0.0	0.0	0.0
SCOL.ARM	1	0.0	0.0	0.0	0.0	1.0
SPIO.BOM	7	3.0	0.0	0.0	2.0	2.0
SPIO.KRO	8	4.0	0.0	0.0	0.0	4.0
STHE.LIM	3	2.0	0.0	0.0	0.0	1.0
STREBLOZ	1	0.0	0.0	0.0	1.0	0.0
TROPHONZ	1	1.0	0.0	0.0	0.0	0.0
UNCI.PLA	6	0.0	3.0	0.0	3.0	0.0
VENU.OVA	2	0.0	2.0	0.0	0.0	0.0

STA C14

**		1	2	5	6	7
ANAP.LAE	1	0.0	0.0	0.0	1.0	0.0
ANTHOZOA	1	0.0	1.0	0.0	0.0	0.0
AONI.PAU	2	0.0	1.0	1.0	0.0	0.0
ARCT.ISL	5	1.0	0.0	1.0	2.0	1.0
ASCIDIAC	2	0.0	0.0	0.0	1.0	1.0
BATH.PEL	1	0.0	0.0	0.0	0.0	1.0
CAUL?KIL	1	1.0	0.0	0.0	0.0	0.0
CLYMENUZ	1	0.0	0.0	1.0	0.0	0.0
COLU.ISL	1	0.0	0.0	0.0	1.0	0.0
CULT.PEL	1	0.0	0.0	1.0	0.0	0.0
DENT.ENT	1	0.0	0.0	1.0	0.0	0.0
DITR.ARI	16	0.0	1.0	1.0	2.0	12.0
ECLYSIPZ	1	0.0	0.0	0.0	1.0	0.0
EXOG.VER	6	1.0	1.0	3.0	0.0	1.0
GLYCERAZ	2	0.0	1.0	1.0	0.0	0.0
GOLFINGZ	1	0.0	0.0	0.0	1.0	0.0
HYDR.NOR	2	0.0	0.0	1.0	0.0	1.0
JASM?CAU	3	1.0	2.0	0.0	0.0	0.0
LABI.BUS	1	0.0	1.0	0.0	0.0	0.0
MALDANIX	1	0.0	1.0	0.0	0.0	0.0
MONT.SUB	1	0.0	1.0	0.0	0.0	0.0
NATI.ALD	1	0.0	0.0	0.0	0.0	1.0
NATI.NAN	1	0.0	1.0	0.0	0.0	0.0
NEMERTIN	1	0.0	0.0	0.0	0.0	1.0
NOTO.LAT	2	0.0	2.0	0.0	0.0	0.0
ONUP.CON	1	1.0	0.0	0.0	0.0	0.0
OPHE.LIM	1	0.0	0.0	0.0	0.0	1.0
OWEN.FUS	3	1.0	0.0	1.0	0.0	1.0
PAGU.PUB	1	0.0	0.0	0.0	1.0	0.0

PHIL.QUA	1	0.0	0.0	1.0	0.0	0.0
POLY?CAE	2	0.0	1.0	1.0	0.0	0.0
PRIO.CIR	1	1.0	0.0	0.0	0.0	0.0
SCOL.ARM	1	0.0	0.0	0.0	1.0	0.0
SPIO.BOM	5	0.0	2.0	0.0	2.0	1.0
SPIO.KRO	3	0.0	0.0	3.0	0.0	0.0
TEREBELX	1	0.0	0.0	1.0	0.0	0.0
TRYP.LON	1	0.0	0.0	1.0	0.0	0.0
UNCI.PLA	3	0.0	0.0	1.0	2.0	0.0
VENU.OVA	13	2.0	1.0	3.0	1.0	6.0

STA C15

**		1	3	4	6	7
ABRA.PRI	2	1.0	0.0	0.0	0.0	1.0
AMPH.FIL	1	0.0	1.0	0.0	0.0	0.0
ARCT.ISL	2	1.0	0.0	0.0	0.0	1.0
ARIC.CAT	1	0.0	1.0	0.0	0.0	0.0
ARIC.SIM	1	0.0	0.0	0.0	1.0	0.0
ARIC.WAS	1	0.0	0.0	1.0	0.0	0.0
CAUL.BIO	1	0.0	1.0	0.0	0.0	0.0
CAUL?KIL	2	0.0	2.0	0.0	0.0	0.0
CAULLERZ	1	0.0	1.0	0.0	0.0	0.0
CLYMENUZ	1	0.0	0.0	0.0	1.0	0.0
DITR.ARI	15	4.0	3.0	0.0	8.0	0.0
ECHI.PUS	1	0.0	0.0	0.0	1.0	0.0
EXO.G.VER	1	0.0	0.0	0.0	0.0	1.0
GLYCERAZ	11	0.0	4.0	1.0	2.0	4.0
HYDR.NOR	3	0.0	1.0	0.0	2.0	0.0
JASM?CAU	2	0.0	0.0	1.0	0.0	1.0
NEMERTIN	2	0.0	0.0	0.0	0.0	2.0
NOTO.LAT	3	0.0	0.0	1.0	1.0	1.0
ONUP.CON	2	0.0	1.0	0.0	1.0	0.0
OWEN.FUS	1	0.0	0.0	1.0	0.0	0.0
PHAS.STR	1	1.0	0.0	0.0	0.0	0.0
PHIL.QUA	1	0.0	0.0	0.0	0.0	1.0
PHIL.SCA	1	0.0	1.0	0.0	0.0	0.0
PHYLLODX	1	0.0	0.0	1.0	0.0	0.0
PRIO.CIR	3	1.0	0.0	0.0	2.0	0.0
SPIO.BOM	5	2.0	1.0	1.0	0.0	1.0
SPIO.KRO	3	0.0	0.0	1.0	1.0	1.0
TEREBELX	1	0.0	0.0	0.0	1.0	0.0
THAR.MAR	1	0.0	0.0	0.0	0.0	1.0
TRAV.FOR	1	0.0	0.0	0.0	1.0	0.0
TRYP.LON	1	1.0	0.0	0.0	0.0	0.0
VENU.OVA	6	3.0	2.0	0.0	1.0	0.0

STA C16

**		1	2	3	4	5
ASTA.SUL	1	0.0	0.0	1.0	0.0	0.0
CAPI.CAP	54	14.0	7.0	11.0	8.0	14.0
CERI?LLO	3	2.0	1.0	0.0	0.0	0.0
CIRR.CIR	5	1.0	0.0	0.0	0.0	4.0
DENT.ENT	1	0.0	1.0	0.0	0.0	0.0
DITR.ARI	2	0.0	0.0	1.0	0.0	1.0
EXOG.VER	8	3.0	1.0	2.0	0.0	2.0
GASTROPO	1	1.0	0.0	0.0	0.0	0.0
LUCI.BOR	1	0.0	0.0	0.0	1.0	0.0
MYRI.OCU	1	1.0	0.0	0.0	0.0	0.0
NEMATODA	1	0.0	1.0	0.0	0.0	0.0
NEMERTIN	1	1.0	0.0	0.0	0.0	0.0
OPHRYOTZ	4	3.0	0.0	1.0	0.0	0.0
POLY?CAE	1	0.0	1.0	0.0	0.0	0.0

STA C17

**		2	3	6	8	9
ANAP.LAE	1	1.0	0.0	0.0	0.0	0.0
CAPI.CAP	14	2.0	3.0	2.0	3.0	4.0
CAUL?KIL	1	1.0	0.0	0.0	0.0	0.0
CERI?LLO	1	1.0	0.0	0.0	0.0	0.0
CHAE.NIT	1	1.0	0.0	0.0	0.0	0.0
CHAE.SET	1	0.0	0.0	0.0	0.0	1.0
CIRR.CIR	2	1.0	0.0	0.0	1.0	0.0
DENT.ENT	1	0.0	0.0	0.0	1.0	0.0
DIPL.GLA	1	1.0	0.0	0.0	0.0	0.0
DORVILZ?	1	1.0	0.0	0.0	0.0	0.0
EDWA.CLA	1	0.0	0.0	0.0	1.0	0.0
GLYCERAZ	1	0.0	0.0	0.0	0.0	1.0
HYAL.TUB	1	0.0	0.0	0.0	1.0	0.0
MYRI.OCU	1	0.0	0.0	0.0	1.0	0.0
NEMERTIN	2	0.0	0.0	0.0	0.0	2.0
NOTO.LAT	2	0.0	0.0	0.0	0.0	2.0
OPHRYOTZ	1	1.0	0.0	0.0	0.0	0.0
OWEN.FUS	2	1.0	0.0	0.0	1.0	0.0
PECT.AUR	1	0.0	0.0	1.0	0.0	0.0
PHIL.ECH	1	1.0	0.0	0.0	0.0	0.0
PHIL.QUA	1	0.0	0.0	0.0	1.0	0.0
POEC.SER	1	1.0	0.0	0.0	0.0	0.0
POLY?CAE	1	0.0	0.0	0.0	1.0	0.0
PRIO.CIR	1	0.0	0.0	0.0	0.0	1.0
SCHISTOZ	1	1.0	0.0	0.0	0.0	0.0

SCOLELEZ	1	1.0	0.0	0.0	0.0	0.0
VERMIFOR	2	1.0	1.0	0.0	0.0	0.0

STA C18

**		1	2	3	5	6
AMPH.FIL	2	0.0	1.0	0.0	1.0	0.0
ANAITIDZ	1	0.0	0.0	0.0	0.0	1.0
ANTHOZOA	1	0.0	1.0	0.0	0.0	0.0
ARIC.ROB	1	0.0	1.0	0.0	0.0	0.0
ARIC.WAS	2	1.0	0.0	0.0	0.0	1.0
ARICIDEZ	1	0.0	1.0	0.0	0.0	0.0
ASCIDIAC	2	0.0	0.0	1.0	1.0	0.0
CAPI.CAP	8	0.0	1.0	4.0	2.0	1.0
CAUL?KIL	3	0.0	1.0	1.0	0.0	1.0
CHAE.NIL	1	1.0	0.0	0.0	0.0	0.0
CHAE.NIT	1	1.0	0.0	0.0	0.0	0.0
CIRR.CIR	1	1.0	0.0	0.0	0.0	0.0
CIRRATUX	1	0.0	1.0	0.0	0.0	0.0
CLYMENUZ	2	0.0	1.0	1.0	0.0	0.0
CULT.PEL	1	0.0	0.0	1.0	0.0	0.0
ECLYSIPZ	1	0.0	0.0	1.0	0.0	0.0
EXOG.VER	2	0.0	0.0	0.0	2.0	0.0
GLYCERAZ	4	0.0	0.0	2.0	2.0	0.0
GONI.MAC	1	0.0	1.0	0.0	0.0	0.0
JASM?CAU	2	0.0	0.0	1.0	1.0	0.0
MONO.BOR	1	1.0	0.0	0.0	0.0	0.0
MYRI.OCU	1	0.0	1.0	0.0	0.0	0.0
NEMATODA	1	0.0	0.0	0.0	0.0	1.0
NEMERTIN	4	1.0	3.0	0.0	0.0	0.0
NEPH.HOM	1	0.0	0.0	0.0	1.0	0.0
OLIGOCHA	1	0.0	0.0	1.0	0.0	0.0
OWEN.FUS	1	0.0	1.0	0.0	0.0	0.0
POEC.SER	1	0.0	1.0	0.0	0.0	0.0
POLY?CAE	3	0.0	1.0	1.0	0.0	1.0
PRIO.CIR	2	0.0	1.0	1.0	0.0	0.0
SCAL.INF	1	0.0	1.0	0.0	0.0	0.0
SOSA.GRA	1	0.0	0.0	0.0	0.0	1.0
SPIO.BOM	4	0.0	1.0	2.0	0.0	1.0
SPIO.KRO	2	0.0	0.0	0.0	2.0	0.0
UNCI.PLA	2	1.0	0.0	0.0	0.0	1.0
VENU.OVA	5	0.0	1.0	2.0	0.0	2.0
WEST.CAE	2	1.0	0.0	1.0	0.0	0.0

STA C19

**		1	3	4	6	7
ABRA.PRI	1	0.0	0.0	0.0	1.0	0.0
ACAN.ECH	1	0.0	1.0	0.0	0.0	0.0
AMPH.FIL	8	1.0	0.0	3.0	3.0	1.0
ANTHOZOA	1	0.0	0.0	0.0	1.0	0.0
AONI.PAU	4	1.0	0.0	3.0	0.0	0.0
ARCT.ISL	1	0.0	0.0	0.0	1.0	0.0
ARIC.CAT	3	0.0	1.0	1.0	0.0	1.0
ARIC.ROB	1	0.0	0.0	1.0	0.0	0.0
ARICIDEZ	1	0.0	0.0	0.0	0.0	1.0
ASCIDIAC	3	2.0	0.0	0.0	0.0	1.0
BIVALV.B	2	0.0	1.0	1.0	0.0	0.0
CAUL.BIO	1	0.0	0.0	1.0	0.0	0.0
CAUL?KIL	1	0.0	0.0	1.0	0.0	0.0
CERI?LLO	19	0.0	2.0	7.0	6.0	4.0
CHAE.SET	1	1.0	0.0	0.0	0.0	0.0
CIRR.CIR	2	0.0	0.0	2.0	0.0	0.0
CLYMENUZ	1	0.0	0.0	0.0	1.0	0.0
CULT.PEL	1	0.0	0.0	1.0	0.0	0.0
DENT.ENT	1	0.0	1.0	0.0	0.0	0.0
ECLYSIPZ	1	0.0	0.0	0.0	1.0	0.0
EDWA.CLA	2	1.0	0.0	0.0	0.0	1.0
ETEONE.Z	1	0.0	0.0	0.0	0.0	1.0
EUDO.DEF	1	0.0	0.0	1.0	0.0	0.0
EXOG.HEB	1	0.0	0.0	1.0	0.0	0.0
EXOG.VER	3	0.0	0.0	0.0	1.0	2.0
GLYCERAZ	1	0.0	0.0	1.0	0.0	0.0
HEMI.ROS	1	0.0	0.0	0.0	1.0	0.0
JASM?CAU	9	1.0	2.0	2.0	0.0	4.0
LABI.BUS	2	0.0	2.0	0.0	0.0	0.0
MYRI.OCU	19	0.0	4.0	5.0	4.0	6.0
MYRIOCHZ	4	0.0	3.0	0.0	1.0	0.0
NEMERTIN	3	0.0	0.0	1.0	0.0	2.0
NOTO.LAT	1	0.0	0.0	1.0	0.0	0.0
ONUP.CON	1	0.0	1.0	0.0	0.0	0.0
OPHE.LIM	1	0.0	0.0	1.0	0.0	0.0
OPHI?AFF	1	0.0	0.0	1.0	0.0	0.0
OWEN.FUS	9	0.0	0.0	4.0	2.0	3.0
PARV.MIN	1	0.0	1.0	0.0	0.0	0.0
PHIL.QUA	1	0.0	0.0	1.0	0.0	0.0
PHORONID	2	0.0	1.0	0.0	1.0	0.0
PHYLLODX	1	0.0	0.0	1.0	0.0	0.0
PIST.CRI	2	0.0	0.0	1.0	1.0	0.0
PLEU.INE	1	0.0	1.0	0.0	0.0	0.0

POLY?CAE	2	0.0	0.0	2.0	0.0	0.0
POLY.PUL	2	0.0	0.0	0.0	2.0	0.0
PRAX.LON	1	0.0	1.0	0.0	0.0	0.0
PRIO.CIR	1	0.0	0.0	1.0	0.0	0.0
SPIO.BOM	4	0.0	0.0	1.0	2.0	1.0
SPIO.KRO	5	0.0	1.0	1.0	1.0	2.0
TERE.STR	1	0.0	0.0	0.0	0.0	1.0
TEREBELX	1	0.0	0.0	0.0	0.0	1.0
THRA?PHA	1	0.0	0.0	0.0	1.0	0.0
TMETONYZ	1	0.0	0.0	1.0	0.0	0.0
VENU.OVA	14	0.0	4.0	7.0	3.0	0.0
VERMIFOR	7	0.0	1.0	2.0	2.0	2.0
VIRG.MIR	1	0.0	0.0	1.0	0.0	0.0

STA D

**		1	3	5	6	7
ANAI.GRO	1	0.0	0.0	1.0	0.0	0.0
CAPI.CAP	150	20.0	5.0	1.0	14.0	110.0
CERI?LLO	1	1.0	0.0	0.0	0.0	0.0
CHAE.SET	6	0.0	0.0	6.0	0.0	0.0
CIRRATUX	2	0.0	0.0	0.0	0.0	2.0
COLU.GLA	2	0.0	0.0	0.0	2.0	0.0
GLYCERAZ	1	0.0	0.0	1.0	0.0	0.0
OPHRYOTZ	1	0.0	0.0	0.0	0.0	1.0
PHOL.MIN	1	0.0	0.0	1.0	0.0	0.0

Tabell 7. Oversettelser av koder til fulle navn.

ABRA.PRI	<i>Abra prismatica</i> (montagu)
ACAN.ECH	<i>Acanthocardia echinata</i> (linne 1758)
ACID.OBE	<i>Acidostoma obesum</i> (bate) (sensu sars)
AGLA.RUB	<i>Aglaophamus rubella</i> (michaelsen 1897)
AMPE.BRE	<i>Ampelisca brevicornis</i> (costa 1853)
AMPE.MAC	<i>Ampelisca macrocephala</i> lilljeborg
AMPH.FIL	<i>Amphiura filiformis</i> (o.f.mueller)
AMPH?SPE	<i>Amphilocus</i> cf. <i>spencbatei</i> (stebbing)
AMPHIPOD	Amphipoda indet
AMPHITHZ	<i>Amphithoe</i> sp
ANAI.GRO	<i>Anaitides groenlandica</i> (oersted 1842)
ANAI.MUC	<i>Anaitides mucosa</i> (oersted 1843)
ANAI?SUB	<i>Anaitides</i> cf. <i>subulifera</i> eliason 1962
ANAITIDZ	<i>Anaitides</i> sp
ANAP.LAE	<i>Anapagurus laevis</i> (bell)
ANOM?EPH	<i>Anomia</i> cf. <i>ephippium</i> (l.)
ANON.SAR	<i>Anonyx sarsi</i> steele & brunel
ANTHOZOA	Anthozoa indet
AONI.PAU	<i>Aonides paucibranchiata</i> southern 1914
ARCT.ISL	<i>Arctica islandica</i> (linne 1767)
ARIC.CAT	<i>Aricidea catherinae</i> laubier 1967
ARIC.CER	<i>Aricidea cerrutii</i> laubier 1966
ARIC.ROB	<i>Aricidea roberti</i> hartley 1983
ARIC.SIM	<i>Aricidea simonae</i> laubier & ramos 1974
ARIC.WAS	<i>Aricidea wassi</i> pettibone 1965
ARICIDEZ	<i>Aricidea</i> sp
ASCIDIAC	Ascidiacea indet
ASTA.SUL	<i>Astarte sulcata</i> (da costa 1778)
ASTR.IRR	<i>Astropecten irregularis</i> (pennant)
BATH.GUI	<i>Bathyporeia guillaumsoniana</i> (bate 1857)
BATH.PEL	<i>Bathyporeia pelagica</i> (bate 1856)
BIVALV.A	<i>Bivalvia</i> indet a
BIVALV.B	<i>Bivalvia</i> indet b
BRYOZOA.	Bryozoa indet
CAP1.CAP	<i>Capitella capitata</i> (fabricius 1780)
CAUL.BIO	<i>Caulleriella bioculata</i> (keferstein 1862)
CAUL?KIL	<i>Caulleriella</i> cf. <i>killariensis</i> (southern 1914)
CAULLERZ	<i>Caulleriella</i> sp
CERI?LLO	<i>Cerianthus</i> cf. <i>lloydii</i> gosse 1859
CHAE.NIL	<i>Chaetoparia nilssoni</i> malmgren 1867
CHAE.NIT	<i>Chaetoderma nitidulum</i> loven
CHAE.SET	<i>Chaetozone setosa</i> malmgren 1867
CHLA?OPE	<i>Chlamys</i> cf. <i>opercularis</i> (l.)
CHON?COL	<i>Chone</i> cf. <i>collaris</i> langerhans
CINGULAZ	<i>Cingula</i> sp

CIRO.BOR	<i>Cirolana borealis</i> Lilljeborg
CIRR.CIR	<i>Cirratulus cirratus</i> (o.f.mueller 1776)
CIRRATUX	Cirratulidae indet
CIRRATUZ	<i>Cirratulus</i> sp
CLYMENUZ	<i>Clymenura</i> sp
COLU.GLA	<i>Colus glaber</i> (verkruezen)
COLU.ISL	<i>Colus islandicus</i> (gmelin 1791)
CORO.CRA	<i>Corophium crassicorne</i> bruzelius
CULT.PEL	<i>Cultellus pellucidus</i> (pennant)
DENT.ENT	<i>Dentalium entale</i> linne
DIPL.GLA	<i>Diplocirrus glaucus</i> (malmgren 1867)
DITR.ARI	<i>Ditrupa arietina</i> (o.f.mueller 1776)
DORVILLY	Dorvilleinae indet
DOSI?EXO	<i>Dosinia</i> cf. <i>exoleta</i> (l.)
ECHI.FLA	<i>Echinocardium flavescens</i> (o.f.mueller)
ECHI.PUS	<i>Echinocyamus pusillus</i> (o.f.mueller)
ECLYSIPZ	<i>Eclysippe</i> sp
EDWA.CLA	<i>Edwardsia claparedii</i> (panceri)
ETEONE.Z	<i>Eteone</i> sp
EUCH?RUB	<i>Euchone</i> cf. <i>rubrocincta</i> (m.sars 1861)
EUCHONEZ	<i>Euchone</i> sp
EUCLYMEZ	<i>Euclymene</i> sp
EUDO.DEF	<i>Eudorellopsis deformis</i> (kroeyer 1846)
EULI.BIL	<i>Eulima bilineata</i> alder 1848
EURY.PUL	<i>Eurydice pulchra</i> leach
EXOG.HEB	<i>Exogone hebes</i> (webster & benedict 1884)
EXOG.VER	<i>Exogone verugera</i> (claparede 1868)
EXOGONEZ	<i>Exogone</i> sp
FABRICIY	Fabriciinae indet
FALC.CRO	<i>Falcidens crossotus</i> salvini-plawen
GAMM.NIT	<i>Gammaropsis nitida</i> (stimpson)
GARI...Z	<i>Gari</i> sp
GASTROPO	Gastropoda indet
GLYCERAZ	<i>Glycera</i> sp
GOLFINGZ	<i>Golfingia</i> sp
GONI.MAC	<i>Goniada maculata</i> oersted 1843
HARMOTHZ	<i>Harmothoe</i> sp
HEMI.ASS	<i>Hemilamprops assimilis</i> g.o.sars
HEMI.ROS	<i>Hemilamprops rosea</i> (norman)
HESIONIX	Hesionidae indet
HETE.FIL	<i>Heteromastus filiformis</i> (claparede 1864)
HIAT.ARC	<i>Hiatella arctica</i> (linne 1767)
HIPP.DEN	<i>Hippomedeon denticulatus</i> (bate)
HYAL.TUB	<i>Hyalinoecia tubicola</i> (o.f.mueller 1776)
HYDR.NOR	<i>Hydroides norvegica</i> gunnerus 1768

IRREGULA	Irregularia indet
JASM?CAU	Jasmineira cf. caudata langerhans 1880
JASMINEZ	Jasmineira sp
LABI.BUS	Labidoplax buski (mcintosh)
LAPHOEAZ	Laphoea sp
LEMB?LON	Lembos cf. longipes (liljeborg)
LEPE.CAE	Lepeta caeca (mueller)
LEPT.PIL	Leptocheirus pilosus zaddach
LIMA.SUB	Limatula subauriculata (montagu)
LUCI.BOR	Lucinoma borealis (linne 1767)
LUCINIDX	Lucinidae indet
MALACOCZ	Malacoceros sp
MALDANIX	Maldanidae indet
MEGA.COR	Megamphopus cornutus norman 1869
MONO.BOR	Monoculodes borealis boeck
MONT.SUB	Montacuta substriata (montagu)
MYRI.OCU	Myriochele oculata zaks 1922
MYRIOCHZ	Myriochele sp
NATI.ALD	Natica alderi forbes
NATI.NAN	Natica nana (moeller)
NATICA.Z	Natica sp
NEMATODA	Nematoda indet
NEMERTIN	Nemertinea
NEOM.CAR	Neomenia carinata tullberg 1875
NEPH.CAE	Nephtys caeca (fabricius 1780)
NEPH.HOM	Nephtys hombergi savigny 1818
NEPHTYSZ	Nephtys sp
NOTO.LAT	Notomastus latericeus sars 1851
OLIGOCHA	Oligochaeta indet
ONCH?STE	Onchnesoma cf. steenstrupi koren & danielsSEN
ONUP.CON	Onuphis conchylega m.sars 1835
OPHE.LIM	Ophelia limacina (rathke 1843)
OPHELINZ	Ophelina sp
OPHI.FLE	Ophiodromus flexuosus (delle chiaje 1822)
OPHI?AFF	Ophiura cf. affinis luetken
OPHR?PUE	Ophryotrocha cf. puerilis (mcintosh 1885)
OPHRYOTZ	Ophryotrocha sp
ORBI.SER	Orbinia sertulata (savigny 1820)
ORBINIAZ	Orbinia sp
ORCH.NAN	Orchomene nana (kroeyer)
OWEN.FUS	Owenia fusiformis delle chiaje 1841
PAGU.PRI	Pagurus pridauxi leach
PAGU.PUB	Pagurus pubescens kroeyer
PARA?INT	Paramphilochooides cf. intermedius scott
PARV.MIN	Parvicardium minimum (philippi 1836)

PECT.AUR	<i>Pectinaria auricoma</i> (o.f.mueller 1776)
PHANEROZ	<i>Phanerozonia</i> indet
PHAS.STR	<i>Phascalion strombi</i> (montagu 1804)
PHIL.ECH	<i>Philocheras echinulatus</i> (m.sars)
PHIL.GLO	<i>Philomedes globosus</i> lilljeborg
PHIL.QUA	<i>Philine quadrata</i> (s.wood)
PHIL.SCA	<i>Philine scabra</i> (o.f.mueller 1776)
PHILINEZ	<i>Philine</i> sp
PHOL.MIN	<i>Pholoe minuta</i> (fabricius 1780)
PHORONID	<i>Phoronida</i> indet
PHOT.LON	<i>Photis longicaudata</i> (bate & westwood)
PHYLLODX	<i>Phyllodocidae</i> indet
PIST.CRI	<i>Pista cristata</i> (o.f.mueller 1776)
PIST.MAC	<i>Pista maculata</i> (dalyell 1853)
PLEU.INE	<i>Pleurogonium inerme</i> g.o.sars
POEC.SER	<i>Poecilochaetus serpens</i> allen 1904
POLY.CRA	<i>Polyphysia crassa</i> (oersted 1843)
POLY.GIA	<i>Polydora giardi</i> mesnil 1896
POLY.MED	<i>Polycirrus medusa</i> grube 1850
POLY.PUL	<i>Polydora pulchra</i> carazzi 1895
POLY?CAE	<i>Polydora cf. caeca</i> (oersted 1843)
POLYCIRZ	<i>Polycirrus</i> sp
POLYDORZ	<i>Polydora</i> sp
PORIFERA	<i>Porifera</i> indet
PRAX.LON	<i>Praxillura longissima</i> arwidsson 1907
PRIO.CIR	<i>Prionospio cirrifera</i> wiren 1883
PRIO.MAL	<i>Prionospio malmgreni</i> claparede 1870
PRIO.STE	<i>Prionospio steenstrupi</i> malmgren 1867
PRIONOSZ	<i>Prionospio</i> sp
PSEU.SIM	<i>Pseudocuma similis</i> g.o.sars
PSEUDOCZ	<i>Pseudocuma</i> sp
PUTILLAZ	<i>Putilla</i> sp
REGULARI	<i>Regularia</i> indet
SABELLIX	<i>Sabellidae</i> indet
SCAL.INF	<i>Scalibregma inflatum</i> rathke 1843
SCAP.PUN	<i>Scaphander punctostriatus</i> (mighels & adams)
SCHI.CAE	<i>Schistomeringus caeca</i> (webster & benedict)
SCHISTOZ	<i>Schistomeringus</i> sp
SCOL.ARM	<i>Scoloplos armiger</i> (o.f.mueller 1776)
SCOLELEZ	<i>Scolecopsis</i> sp
SCOP.CRE	<i>Scopelocheirus crenatus</i> bate
SERP.VER	<i>Serpula vermicularis</i> linne 1767
SERPULIX	<i>Serpulidae</i> indet
SIGA.MAT	<i>Sigalion mathildae</i> (audouin & milne-edwards)
SIPH?STR	<i>Siphonoecetis cf. striatus</i> myers & mcgroth

SIPUNCUL	Sipunculida indet
SOSA.GRA	Sosane gracilis (malmgren 1865)
SPIO...Z	Spio sp
SPIO.BOM	Spiophanes bombyx (claparede 1870)
SPIO.FIL	Spio filicornis (o.f.mueller 1766)
SPIO.KRO	Spiophanes kroeyeri grube 1860
SPIO.MEC	Spio mecznikowianus claparede 1868
SPIONIDX	Spionidae indet
SPIOPHAZ	Spiophanes sp
SPIS?ELL	Spisula cf. elliptica (brown)
STENOTHX	Stenothoidae indet sp a
STENOTHZ	Stenothoe sp
STENOTXB	Stenothoidae indet sp b
STHE.LIM	Sthenelais limicola (ehlers 1864)
STHENELZ	Sthenelais sp
STREBLOZ	Streblosoma sp
SUBE.DOM	Suberites domuncula (olivi)
SYNC.HAP	Synchelidium haplocheles (grube)
SYNC?MAC	Synchelidium cf. maculatum stebbing
TERE.STR	Terebellides stroemi m.sars 1835
TEREBELX	Terebellidae indet
THAR.MAR	Tharyx marioni (saint-joseph 1894)
THRA?PHA	Thracia cf. phaseolina (lamarck)
THYA?OBS	Thyasira cf. obsoleta (verrill & bush)
TMET.CIC	Tmetonyx cicada (fabricius)
TMETONYZ	Tmetonyx sp
TRAV.FOR	Travisia forbesi johnston 1840
TRIC.ROS	Trichobranchus roseus (malm 1874)
TROPHONZ	Trophonopsis sp
TRYP.LON	Tryphosites longipes (bate & westwood)
TUBULARZ	Tubularia sp
TURBELLA	Turbellaria indet
UNIC.PLA	Unicola planipes norman
UROT.ELE	Urothoe elegans (bate 1856)
UROTHOEZ	Urothoe sp
UTRI.PER	Utriculus pertenuis gould
VENU.OVA	Venus ovata pennant
VENU?CAS	Venus cf. casina
VERMIFOR	Vermiformis indet
VERR.STR	Verruca stroemi o.f.mueller
VIRG.MIR	Virgularia mirabilis (mueller)
WEST.CAE	Westwoodilla caecula (sp.bate)
YOLD.TOM	Yoldiella tomlini winckworth