

AFoPS 회원국간 국제공동연구 활성화를 위한
세종기지 인프라활용 말레이시아와 시범연구

Enhancement of international collaboration among AFoPs
member countries using facilities at King Sejong Station:
a case study with Malaysia

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제 출 문

극지연구소장 귀하

본 보고서를 “ AFoPS 회원국간 국제공동연구 활성화를 위한 세종기지 인프라활용 말레이시아와 시범연구”과제의 최종보고서로 제출합니다.

2016. 10. 30

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보고서 초록

과제관리번호		해당단계 연구기간	2014.9.1 ~ 2016. 4. 30	단계 구분	1 / 1
Seed 형 선행 과제	중 사 업 명				
	세부사업명	첨단 극지인프라활용 공동연구 지원과제			
연구과제명	중 과 제 명				
	세부(단위)과제명	AFoPS 회원국간 국제공동연구 활성화를 위한 세종기지 인프라활 용 말레이시아와 시범연구			
연구책임자	안 인 영	해당단계 참여연구원수	총 : 3 명 내부 : 2 명 외부 : 1 명	해당단계 연구비	정부: 70,000 천원 기업: 천원 계: 70,000 천원
연구기관명 및 소속부서명	극지연구소 극지해양과학연구부		참여기업명		
국제공동연구	상대국명 :		상대국연구기관명 :		
위 탁 연 구	연구기관명 :		연구책임자 :		
요약(연구결과를 중심으로 개조식 500자이내)					보고서 면수 100
- 본 연구 사업은 남극세종과학기지 인프라를 활용 한국주도로 ‘남극해양생물다양성 및 기후변 화’ 관련 국제공동연구 기반 강화하는 한편 아시아극지과학포럼(Asian Forum for Polar Sciences, 이하 AFoPS) 회원국간 국제공동연구를 활성화시키기 위한 모델 제시를 목적으로 수행되었다. - 연구 주제는 남극해양생물 중 가장 종 다양성이 높음에도 불구하고 분류정보는 매우 제한적 이어서 생태연구 등에 큰 걸림돌이 되고 있는 해양저서무척추동물에 대해 분류정보를 향상시 키고자 말레이시아 전문가를 초빙(2015.4-6)하여 세종기지 주변해역에서 채집한 시료의 종 확 인과 유전정보(Bar coding)를 확보하고자 하였다. - 총 13 phyla, 243개체 1차 유전자 분석을 하여, 그 중 bar coding data가 없고 생태적으로 중요한 명게류(ascidians) 10여 종을 선정하고, 이들에 대해 정확한 종 기술을 위하여 형태분 류 작업과 병행하여 3개유전자(18S rDNA, 16S rDNA, COI) sequences를 분석하였다. - 추가적으로 한국극지자료센터 (Korea Polar Data Center, ‘KPDC’)에 등록할 시료 380점의 DB를 구축하였다.					
색 인 어 (각 5개 이상)	한 글	남극세종과학기지, 해양저서무척추동물, 명게류, 형태분류, 바코딩, 시퀀싱			
	영 어	Antarctic King Sejong Station, Marine benthic invertebrates, Ascidians, Morphological identification, Bar coding, Sequencing			

요 약 문

I. 제 목

AFoPS 회원국간 국제공동연구 활성화를 위한 세종기지 인프라활용 말레이시아와 시범연구

II. 연구개발의 목적 및 필요성

- AFoPS 회원국간의 국제공동연구 모델 제시
 - 남극세종과학기지 인프라 활용 한국주도 남극 해양생물 다양성 및 생태계 연구를 위한 국제공동연구 기반 강화
- 남극세종기지 주변 해역 서식 해양저서무척추동물 분류정보 향상
 - 남극해양저서무척추동물은 남극생물중 가장 생물다양성이 높음에도 불구하고 분류 정보는 매우 제한적, 생태연구 등 수행에 걸림돌

III. 연구개발의 내용 및 범위

- 세종기지 주변해역에서 수집한 해양저서무척추동물 시료에 대한 종다양성 및 분류 정보 향상
- 말레이시아 전문가를 초빙하여 공동연구

IV. 연구개발결과

- 총 13 phyla, 243개체 1차 유전자 분석(유전자 추출물 확보)
- 채집지역의 우점생물군인 명게류(ascidians)에 대해 형태분류 작업과 병행하여 3개 유전자(18S rDNA, 16S rDNA, COI) sequences를 분석하였다. 최종 8종에 대해 종을 확인하고 bar coding을 확보함 (신규 등록 예정)
- KPDC 등록 추가 시료 380점의 DB 작성

V. 연구개발결과의 활용계획

- AFoPs 국가간 대형 국제공동연구 개발, 협력 주제 발굴에 활용
 - : (예) 마리아나소만 해양생태계와 생물다양성 변화 연구
- 극지해양생물 시료 수집, 표본 관리 및 활용 연구
 - : (예) 국립해양생물자원관과 협의 및 공동연구개발 등
- 남극명게의 생물다양성과 진화 연구에 초석
- 기후변화영향 연구에 지표종으로 활용가치 크게 향상, 생태연구 진일보

S U M M A R Y

I. Title

Enhancement of international collaboration among AFoPs member countries using facilities at King Sejong Station: a case study with Malaysia

II. Purpose and Necessity of R&D

- Strengthening the foundation of international collaboration in the study of the global issue, 'Biodiversity of Antarctic Marine Biota and Impacts of Climate Changes' utilizing the King Sejong Station Infrastructure
- Providing 'a Model of a Collaborative Research' among AFoPS member countries

III. Contents and Extent of R&D

- Upgrading and refining information of taxonomy of marine benthic invertebrates collected from near-shore waters adjacent to the King Sejong Station
- Collaborative work with a Malaysian Scientist (by invitation)

IV. R&D Results

- DNA analysis on 13 phyla, 243 specimens
- Further sequencing of ascidians using 3 genes (18S rDNA, 16S rDNA, COI) and acquisition of bar coding of 8 ascidian species
- Confirmation of 8 ascidian species based on morphological identification
- Database of additional 380 specimens and 243 DNA extracts

V. Application Plans of R&D Results

- Expediting future development of collaborative studies among AFoPs member countries
- Providing a basis for the studies of ascidian diversity and evolution
- Advancing our knowledge on unknown Antarctic marine benthic species around King Sejong Station, and enhancing the utility of ascidians for climate related studies and for monitoring purposes

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1. 연구의 필요성

가. 과학적 측면

- 남극세종과학기지 인프라 활용 AFoPS 회원국간의 국제공동연구 모델을 제시하고 한국주도 남극 해양생물 다양성 및 생태계 연구를 위한 국제공동연구 기반 강화
- 남극해양생물 중 가장 종 다양성이 높음에도 불구하고 분류정보는 매우 제한적이어서 생태연구 등에 큰 걸림돌이 되고 있는 해양저서무척추동물에 대해 분류정보를 향상시킬 필요가 있음.
- 특히 남극연안 해양저서무척추동물들은 기후변화의 지표생물종으로 적합, 따라서, 한국이 국제적으로 연구 흐름을 선도할 수 있는 독창성 있는 주제임.

나. 경제·산업적 측면

- 해당없음

다. 사회·문화적 측면

- 2013/2014 말레이시아와 최초로 수행된 공동연구에 이어, 후속연구로서 양국 간의 네트워크 지속 강화
- 저비용으로 말레이시아 (UMT)의 신진과학자들의 역량을 최대한 활용, 우수연구성과를 생산, 양국간 국제협력 기반을 다지고 AFoPS 에서 한국의 입지 강화

2. 국내·외 연구현황

가. 국외 현황

- 남극 해양저서무척추동물의 경우 현재 약 7,000 종 확인. 극히 일부 (~5%)만이 Bar coding 완성. 미확인 수 만 종 임 (Grant & Linse 2009, Gutt et al. 2010, Broyer et al. 2011; Grant et al. 2011, www.scarmarbin.org, www.marinespecies.org/rams)
- 남극 연안 해양생물다양성에 대한 체계적 연구가 거의 없음
- 주로 하계기간에 연구, 계절변동에 따른 생태특성 밝혀진 것이 극히 일부 종에 국한

나. 국내 현황

- 극지연구소에 남극대형해양저서무척추동물 표본 700여점 KPDC에 등재

- 형태분류에 의존, 정확한 종 동정이 이루어진 것은 약 10%에 불과, Bar coding 전무
 - 세종기지 주변해역 서식 4종의 산호류 형태 분류 (송준임 등, 2012)
 - 마리안소만 빙하후퇴에 따른 연안해양저서생물군집 다양성 변화 평가 (Universiti Malaysia Terengganu (UMT)- Dr. WMR Wan Hussin)와 공동연구(2013/2014) (Moon et al. 2015)

다. 현 기술의 취약성

- 극지연구소 소장 남극해양저서무척추동물 표본 분류에 대한 국내전문가 극소수
- 월동연구가 거의 없음. 특히 조간대 주요생물종의 생활사, 월동전략, 군집변동, 먹이 그물 등 거의 밝혀지지 않음.

3. 연구개발 목표 및 내용

가. 최종목표

- 남극세종과학기지 인프라활용 글로벌이슈 ‘남극해양저서생물 다양성 및 기후변화 영향’ 국제공동연구 기반 강화
- AFoPS 회원국간의 국제공동연구 모델 제시

나. 연구소 기능 및 비전, 중기전략계획 등과의 연계성

- 제2차 남극연구활동기본계획 (‘12~’16)에 명시한 연구소 중점과제의 하나인 ‘글로벌 이슈대응을 위한 남극 기후변화 연구’에 부합
- 동 기본계획에 주요과제인 남극활동 국제협력 기반 강화를 위한 실질적 시도. 특히 AFoPS 회원국인 말레이시아와의 시범연구로 국제공동연구 모델을 제시하고 우리나라 입지 강화

다. 연차별 연구개발의 목표 및 내용

1) 정성적 목표

(단위 : 천원)

구분	년도	연구개발목표	연구개발내용	연구범위
1차년도	2014. 9. 1 ~ 2016. 4. 30	세종기지 해양저서무척추 다양성 분석 (현재 10%수준의 중분류를 15% 수준으로 올림) [SCI 논문 1편 게재]	KPDC DB 시료 추가 구축, 형태 분류 및 bar coding 작업 우선 분류군 선정 · 분석	KPDC DB 시료 우선 분석, 말레이시아 전문가 초청 시료 유전자 분석 및 국내전문가 자문으로 형태분류 진행

2) 정량적 목표

(단위 : 건)

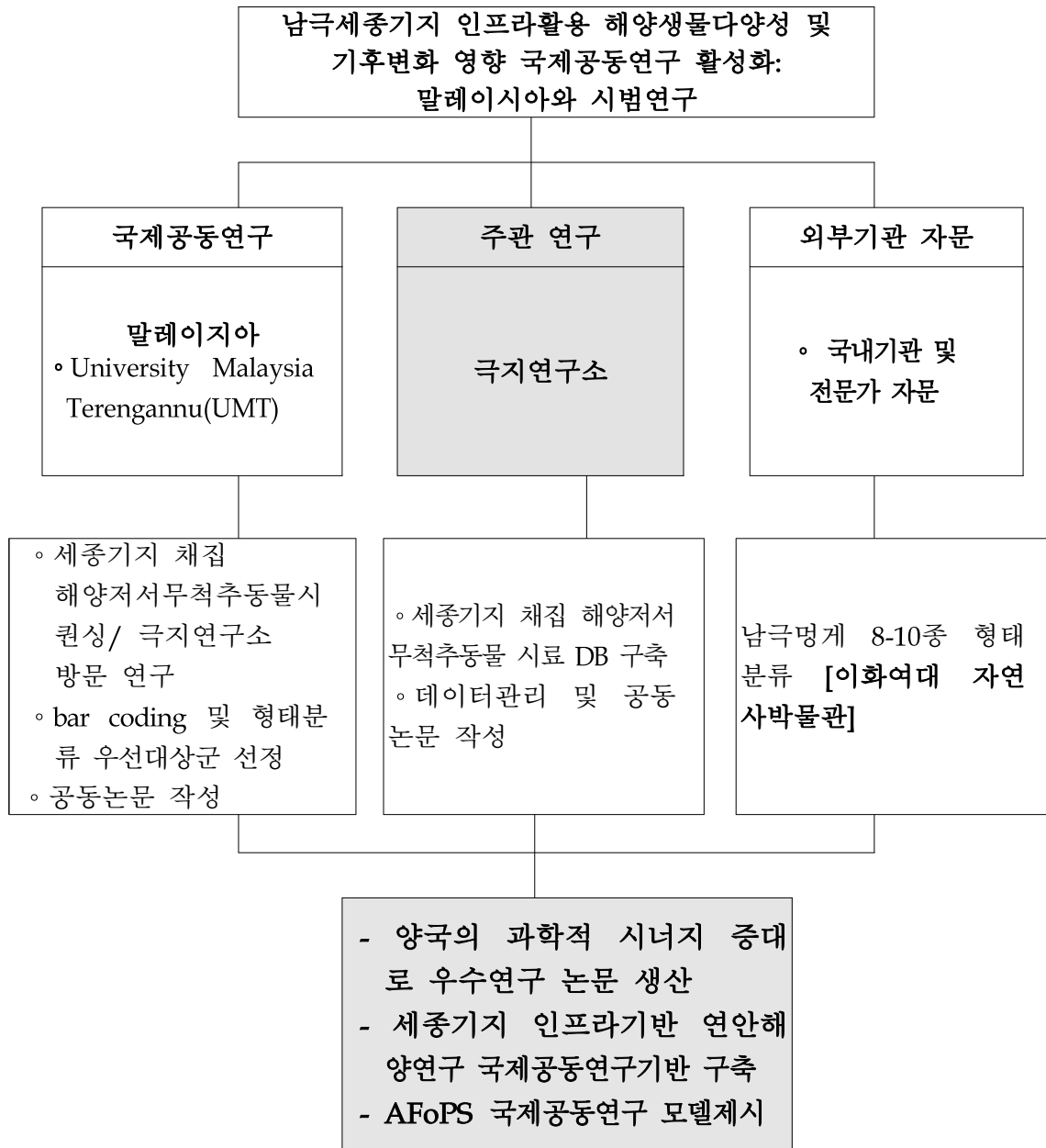
구분	국외논문		국내논문		특허출원		기타
	SCI	기타	SCIE	기타	국외	국내	
1차년도	1						
과제종료후							국제학술 발표 (2016. 8 SCAR OSC at Malaysia)

라. 연구평가의 착안점 및 척도

구분	년도	세부연구목표	가중치	* 평가의 착안점 및 척도
사업 수행기간	2014. 9 - 2016. 4	세종기지 해양저서무 척추 다양성 조사	50 %	수집 표본 KPDC 추가 구축
		세종기지 채집 시료 유전자분석 및 bar coding 우선 분류군 선정 · 분석	50 %	10개종 이상 barcoding, KPDC 표 본 종수준 분류 15%이상 향상 [SCI 1편 이상 게재]

4. 연구개발 추진체계 및 방법

가. 추진체계



나. 연구개발 수행방법

- (1차) 세종기지 채집 해양저서무척추동물 DB 구축 (극지연구소) 및 시퀵싱 (말레이시아 전문가 초빙 연구)
- (2차) 시퀵싱후 Bar coding data가 없고 생태적으로 의미가 있는 분류군 (명계류) 선정
- (3차) 이대 자연사박물관에 명계류 10여 종 형태 분류 의뢰

다. 추진일정

연구내용	추진일정					
	'14/ 4분기	'15/ 1분기	2분기	3분기	4분기	'16/ 1분기
문헌조사 및 정보수집						
세종기지 채집 해양저서무척추동물 유전자 분석 (말레이시아 과학자 연구소 방문 연구)						
세종기지 채집 해양저서무척추동물 표본 분류작업, DB 구축						
데이터 분석 및 논문 작성						
선별시료 (평균 10여종) 형태분류 자문						
사업진도(%)	30		50		100	

5. 연구 결과

가. 유전자 분석

- 총 13 phyla, 243 개체에 대해 3개유전자(18S rDNA, 16S rDNA, COI) sequence 분석 (도표 1)(부록 1-분석결과)

<도표 1: 유전자 분석에 사용된 해양저서무척추동물 분류군>

Phyla	No of Sample	Multi-well tray No. for DNA extracts												
Annelida	24		1	2	3	4	5	6	7	8	9	10	11	12
Porifera	18	A	82a	132a	83c	117b	173	235b	184	227a	182	86	172	90
Chordata	29	B	82b	132b	142	117c	187a	237	194	227b	202	73	215	116
Cnidaria	10	C	141a	132c	111	117d	195a	238	108	169	187b	87	233	216
Echinodermata	19	D	141b	132d	112a	117e	195b	239	110	212a	85	1711	185	88
Bryozoa	14	E	200	132e	112b	118	218a	240	183	212b	214	230	150a	186
Arthropoda	67	F	213a	165	143a	152a	218b	241	193	109	234a	149a	150b	232a
Mollusca	50	G	213b	83a	143b	152b	218c	242	106	199	234b	149b	217	232b
Nemertea	2	H	228	83b	117a	152c	235a	71	198	107	89	231	151	232c
Sipuncula	3													
Worm	3													
Ctenophora	2		1	2	3	4	5	6	7	8	9	10	11	12
Brachiopoda	2	A	70	96	100c	77b	135a	197a	207d	211a	211j	140	229	84a
Total	243	B	134a	98a	137a	77c	135b	197b	207e	211b	209a	81	114	84b
		C	134b	98b	137b	97b	135c	197c	181	211c	209b	72	146	84c
		D	134c	133a	192	79	102	197d	226	211d	103a	115	113	84d
		E	134d	133b	225	101	80	197e	105	211e	103b	201a	145a	84e
		F	166a	206	136	224a	138a	207a	104	211f	180	201b	145b	75
		G	166b	100a	167	224b	138b	207b	139	211g	208a	170	147	131a
		H	166c	100b	77a	99	168	207c	210	211h	208b	144	148	131b

	1	2	3	4	5	6	7	8	9	10	11	12
A	156	153	176	94a	126	160	93					
B	189	155	177	94b	178	191	162a					
C	121	125	129	223	219	91a	162b					
D	154	122	164	95	127	91b						
E	203	157	222	204	158	119						
F	174a	175	130	236	190	161						
G	174b	123	163	205	128	220						
H	120	124	179	221	159	92						

나. Barcoding 우선 분류군 선정

- 채집지역의 우점생물군인 멧게류(ascidians)에 대해 형태분류 작업과 병행
- 8종 이상에 대해 종을 확인하고 bar coding 신규 등록 예정 (사진 1)

다. KPDC 등록 DB 작성

- 추가시료 381점 (No. 740 ~ No. 1120) DB 구축 (부록2)
- 시료 ID, 표본관리자, 분류군명, 채집일자 및 장소, 보존상태 등 기록(사진2-시료보관장)

<사진2: 극지연구소에 보관중인 세종기지 채집 해양저서무척추동물 시료>



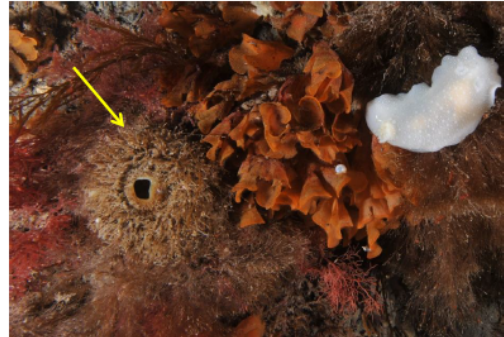
라. 논문 (SCI 1편) 초안 작성 (부록3)

<사진 1: 세종기지 채집 명게류. 마리안소만과 인근 해역에 우점종으로 다양한 종이 서식하고 있다>

1. Ascidiacea sp. 1_ *Molgula pedunculata* (fairly translucent with a long stalk or peduncle, solitary, the most common)



2. Ascidiacea sp. 2_ *Pyura setosa* (surface completely covered with flexible bristles)



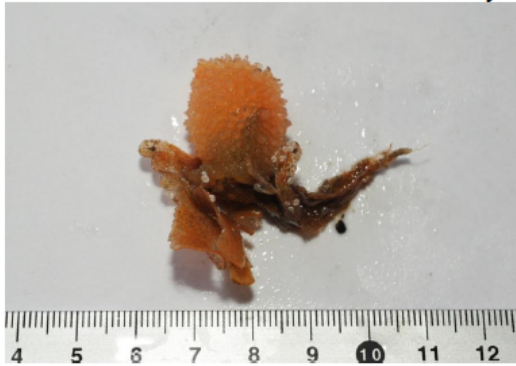
3. Ascidiacea sp. 3_ *Pyura georgiana* (bean-shaped with a long stalk)



4. Ascidiacea sp. 4 (분석중) (translucent, smooth surface, without stalk)



5. Ascidiacea sp. 5_ *Cnemidocarpa verrucosa* (yellowish to brown, translucent, cylindrical, covered with protuberances)



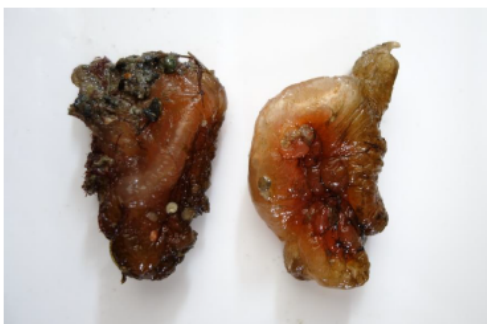
6. Ascidiacea sp. 9 (분석중)



7. Ascidiacea sp. 10_(분석중) (colonial, pinkish & translucent, cotton-ball shaped)



8. Ascidiacea sp. 14_ *Ascidia challengeri* (orange to translucent, tough leathery outer layer)



6. 기대성과 및 활용방안

가. 기대성과

(1) 과학·기술적 측면

- 남극해양저서무척추동물 다양성에 대한 새로운 정보 제공으로 남극과학에 기여
- 종의 확인 뿐 아니라, 남극명계의 생물다양성과 진화 연구에 초석
 - 기후변화영향 연구에 지표종으로 활용가치 크게 향상, 생태연구 진일보

(2) 경제·사회적 측면

- 국제공동연구를 통한 극지인프라 공동활용으로 2개 남극상주기지운영 명분강화
- AFoPS 주요 국가들과의 협력 강화를 통한 우리나라 입지 강화
- 양국가 전문가들의 과학적 시너지 증대로 우수연구성과 창출 기대

나. 활용방안

- 향후 AFoPs 국가간 대형 국제공동연구 개발, 협력 주제 발굴에 활용
- 극지해양생물 시료 수집, 표본 관리 및 활용 연구
 - 국립해양생물자원관과 공동연구개발 등

7. 참고문헌

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부 록(Appendices)

Appendix I . Results of DNA Barcoding Analysis.											
SPECIMEN ID	DNA extract No.	COLLECTION DATE	Photo No.(refer to 2013-14-TR-MC-KSS_AHN.zip)	PHYLUM	LABEL	NO. of INDS	SITE	DEPTH(m)	Morphological description	GENBANK NUCLEOTIDE SEARCH	COMMENTS AND NOTES
KOPRI-INV-AHN0871	82	2013-12-10	SP74	ARTHROPODA	Amphipoda sp. 1	6	MC2	15-35	red+longitudinal black band	Niphargus ictus (205)	
KOPRI-INV-AHN0872	141	2013-12-30	SP74	ARTHROPODA	Amphipoda sp. 1	5	MC2	15-35	red+longitudinal black band	Niphargus frassassianus (175)	
KOPRI-INV-AHN0979	200	2013-12-23	SP134	ARTHROPODA	Amphipoda sp. 10	1	MC4	15-35	gray, relatively large compared to other amphipod species	Austrochiltonia sp. 'Northern' (69)	
KOPRI-INV-AHN0980	213	2013-12-29	SP137	ARTHROPODA	Amphipoda sp. 11	2	MC4	15-35	red color with leopard pattern	Gammarus sp. E RAS-2009 (68)	
KOPRI-INV-AHN0981	228	2014-01-02	SP137	ARTHROPODA	Amphipoda sp. 11	1	MC4	15-35	red color with leopard pattern	Amphipoda.sp. BOLD:ACO2237 (65)	
KOPRI-INV-AHN0843	132	2013-12-30	SP143	ARTHROPODA	Amphipoda sp. 12	15	MC2	15-35	red no pattern, common	Phoxocephalidae sp. 02 MK-2012 (48)	
KOPRI-INV-AHN0935	165	2014-1-15, 1-21	SP143	ARTHROPODA	Amphipoda sp. 12	1	MC3	15-35	red no pattern, common	Longipodacrangonyx sp. 1 MDMBR-2012 (44)	
KOPRI-INV-AHN0873	83	2013-12-10	SP75	ARTHROPODA	Amphipoda sp. 2	9	MC2	15-35	brown	Chiltoniidae sp. MTG-2011 (43)	
KOPRI-INV-AHN0874	142	2013-12-30	SP75	ARTHROPODA	Amphipoda sp. 2	1	MC2	15-35	brown	Chydaekata sp. E TLF-2008 (41)	
KOPRI-INV-AHN0879	111	2013-12-20	SP123	ARTHROPODA	Amphipoda sp. 8	1	MC2	15-35	yellow round type	Gammarus sp. Tsushima (38)	
KOPRI-INV-AHN0880	112	2013-12-20	SP124	ARTHROPODA	Amphipoda sp. 9	2	MC2	15-35	orange+white pattern	Amphipoda sp. LPdivOTU19 (36)	
KOPRI-INV-AHN0881	143	2013-12-30	SP124	ARTHROPODA	Amphipoda sp. 9	2	MC2	15-35	orange+white pattern	Metacrangonyx sp. 3 ssp. 1 MDMBR-2012 (35)	Too large to be searched, since the species is unknown
KOPRI-INV-AHN0888	117	2013-12-20		ARTHROPODA	Amphipoda spp.	>50	MC2	15-35		Niphargus montanarius (31)	
KOPRI-INV-AHN0889	118	2013-12-20		ARTHROPODA	Amphipoda spp.	1	MC2	15-35		Gammarus sp. 1 AW-2012 (30)	
KOPRI-INV-AHN0890	152	2013-12-30		ARTHROPODA	Amphipoda spp.	11	MC2	15-35		Chiltoniidae sp. Clade 1 TB-2009 (27)	
KOPRI-INV-AHN0949	173	2014-1-15, 1-21		ARTHROPODA	Amphipoda spp.		MC3	15-35		Perithia sp. 1 RL-2005 (26)	
KOPRI-INV-AHN0950	187	2014-1-22, 1-24		ARTHROPODA	Amphipoda spp.	+++	MC3	15-35		Phoxocephalidae sp. 05 MK-2012 (24)	
KOPRI-INV-AHN0951	195	2014-01-26		ARTHROPODA	Amphipoda spp.	4	MC3	15-35		Amphipoda sp. LPdivOTU77 (24)	
KOPRI-INV-AHN0982	218	2013-12-29		ARTHROPODA	Amphipoda spp.	8	MC4	15-35		Phoxocephalidae sp. 03 MK-2012 (23)	
KOPRI-INV-AHN0983	235	2014-01-02		ARTHROPODA	Amphipoda spp.	5	MC4	15-35		Phoxocephalidae sp. 07 MK-2012 (22)	
KOPRI-INV-AHN0882	237	2013-12-10		ARTHROPODA	Amphipoda spp.1		MC2	15-35		All other taxa (1887)	
KOPRI-INV-AHN0883	238	2013-12-10		ARTHROPODA	Amphipoda spp.2		MC2	15-35			
KOPRI-INV-AHN0884	239	2013-12-10		ARTHROPODA	Amphipoda spp.3		MC2	15-35			
KOPRI-INV-AHN0885	240	2013-12-10		ARTHROPODA	Amphipoda spp.4		MC2	15-35			
KOPRI-INV-AHN0886	241	2013-12-10		ARTHROPODA	Amphipoda spp.5		MC2	15-35			
KOPRI-INV-AHN0887	242	2013-12-10		ARTHROPODA	Amphipoda spp.6		MC2	15-35			

Too large to be searched, since the species is unknown

KOPRI-INV-AHN0875	71	2014-01-03	SP76	ARTHROPODA	Amphipoda sp. 3	1	MC2	15-35	<i>Paraceradocus miersii</i>	<i>Paraceradocus gibber</i> (5)	
KOPRI-INV-AHN0947	184	2014-1-22, 1-24	SP154	ARTHROPODA	Isopoda sp. 4	1	MC3	15-35	long leg	Isopoda sp. (71)	
KOPRI-INV-AHN0948	194	2014-01-26	SP154	ARTHROPODA	Isopoda sp. 4	1	MC3	15-35			
KOPRI-INV-AHN0876	108	2013-12-20	SP80	ARTHROPODA	Pycnogonida sp. 1	1	MC2	15-35	Sea spiders		
KOPRI-INV-AHN0878	110	2013-12-20	SP122	ARTHROPODA	Pycnogonida sp. 3	1	MC2	15-35			
KOPRI-INV-AHN0945	183	2014-1-22, 1-24	SP122	ARTHROPODA	Pycnogonida sp. 3	1	MC3	15-35	slender and small	Pycnogonida sp (2)	
KOPRI-INV-AHN0946	193	2014-01-26	SP122	ARTHROPODA	Pycnogonida sp. 3	1	MC3	15-35			
KOPRI-INV-AHN0869	106	2013-12-20	SP69	ARTHROPODA	Serolis sp.	1	MC2	15-35			
KOPRI-INV-AHN0975	198	2013-12-23	SP69	ARTHROPODA	Serolis sp.	1	MC4	15-35	Serolis sp.	<i>Serolis paradoxa</i> (29)	
KOPRI-INV-AHN0976	227	2014-01-02	SP69	ARTHROPODA	Serolis sp.	3	MC4	15-35			
KOPRI-INV-AHN0944	169	2014-1-15, 1-21	SP77	ARTHROPODA	Amphipoda sp. 4	1	MC3	15-35			
KOPRI-INV-AHN0977	212	2013-12-29	SP77	ARTHROPODA	Amphipoda sp. 4	2	MC4	15-35	<i>Waldeckia obesa</i>	Null	
KOPRI-INV-AHN0877	109	2013-12-20	SP120	ARTHROPODA	Amphipoda sp. 7	1	MC2	15-35			
KOPRI-INV-AHN0978	199	2013-12-23	SP120	ARTHROPODA	Amphipoda sp. 7	1	MC4	15-35	<i>Bouvalia gigantea</i>	Null	
KOPRI-INV-AHN0870	107	2013-12-20	SP73	ARTHROPODA	Isopoda sp. 3	1	MC2	15-35	associated with acidians	Null	
KOPRI-INV-AHN0943	182	2014-1-22, 1-24	SP73	ARTHROPODA	Isopoda sp. 3	1	MC3	15-35			
KOPRI-INV-AHN0984	202	2013-12-23		ARTHROPODA	Krill	1	MC4	15-35		Null	
KOPRI-INV-AHN0836	129	2013-12-30	SP30	BRYOZOA	Bryozoa sp. 1	1	MC2	15-35	<i>Himantozoum antarcticum</i>	Null	
KOPRI-INV-AHN0837	94	2013-12-20	SP31	BRYOZOA	Bryozoa sp. 2	(+++)	MC2	15-35	<i>Beania erecta</i>	<i>Beania plurispinosa</i> (9)	
										<i>Beania magellanica</i> (6)	
										<i>Beania hexaceras</i> (2)	
										<i>Beania mirabilis</i> (1)	
										<i>Beania vegae</i> (1)	
										All other taxa (1)	
KOPRI-INV-AHN0963	222	2014-01-02	SP139	BRYOZOA	Bryozoa sp. 10	1	MC4	15-35		<i>Buquila neritina</i> (617)	
KOPRI-INV-AHN0840	130	2013-12-30	SP146	BRYOZOA	Bryozoa sp. 11		MC2	15-35		<i>Celleporella hvalina</i> (287)	
KOPRI-INV-AHN0932	163	2014-1-15, 1-21	SP146	BRYOZOA	Bryozoa sp. 11	part	MC3	15-35		<i>Cristatella mucedo</i> (149)	
KOPRI-INV-AHN0933	164	2014-1-15, 1-21	SP149	BRYOZOA	Bryozoa sp. 12	part	MC3	15-35		<i>Watersipora subtorquata</i> (105)	
KOPRI-INV-AHN0934	179	2014-1-22, 1-24	SP149	BRYOZOA	Bryozoa sp. 12		MC3	15-35		<i>Flustra foliacea</i> (93)	
KOPRI-INV-AHN0964	223	2014-01-02	SP149	BRYOZOA	Bryozoa sp. 12		MC4	15-35		All other taxa (2349)	
KOPRI-INV-AHN0838	95	2013-12-20	SP33	BRYOZOA	Bryozoa sp. 4	1	MC2	15-35			Genera under bryozoa that have been sequenced
KOPRI-INV-AHN0960	204	2013-12-29	SP33	BRYOZOA	Bryozoa sp. 4	1	MC4	15-35			

KOPRI-INV-AHN0839	236	2013-12-20	SP117	BRYOZOA	Bryozoa sp. 5		MC2	15-35		
KOPRI-INV-AHN0961	205	2013-12-29	SP126	BRYOZOA	Bryozoa sp. 6		MC4	15-35		
KOPRI-INV-AHN0962	221	2014-01-02	SP126	BRYOZOA	Bryozoa sp. 6		MC4	15-35		
KOPRI-INV-AHN0901	85	2013-12-10	SP100	CHORDATA	Ascidacea sp. 1	1	MC2	15-35	<u>Molgula citrina (6)</u>	
KOPRI-INV-AHN0987	214	2013-12-29	SP100	CHORDATA	Ascidacea sp. 1	4	MC4	15-35	<u>Molgula provisionalis (4)</u>	
									<u>Molgula occidentalis (4)</u>	
									<u>Molgula biezi (3)</u>	
									<u>Molgula manhattensis (76)</u>	
									<u>Molgula tectiformis (41)</u>	
									<u>Molgula oculata (15)</u>	
									<u>Molgula socialis (9)</u>	
KOPRI-INV-AHN0994	234	2014-01-02	SP128	CHORDATA	Ascidacea sp. 13	2	MC4	15-35	<u>Ascidia gemmata (869)</u>	
									<u>Ascidia sydneiensis samea (127)</u>	
									<u>Pyura praeputialis (280)</u>	
									<u>Pyura chilensis (250)</u>	
									<u>Pyura hermani (202)</u>	
KOPRI-INV-AHN0903	73	2014-01-03	SP102	CHORDATA	Ascidacea sp. 3	1	MC2	15-35	<u>Pyura sp. PRT-2011 (115)</u>	
									<u>Pyura doppelgangeri (108)</u>	
									<u>Pyura stolonifera (72)</u>	
									<u>Pyura dalbyi (41)</u>	
									<u>Pyura sp. PRT-2012 (10)</u>	
KOPRI-INV-AHN0953	171	2014-1-15, 1-21	SP102	CHORDATA	Ascidacea sp. 3	1	MC3	15-35	<u>Pyura dura (6)</u>	
									<u>Pyura spinifera (5)</u>	
									<u>Pyura australis (4)</u>	
									<u>Pyura gibbosa (4)</u>	
									<u>Pyura gangelion (3)</u>	
									<u>Corynebacterium glutamicum (3)</u>	
									<u>Pyura squamulosa (2)</u>	
									<u>Pyura haustor (2)</u>	
									<u>Pyura mirabilis (1)</u>	
									<u>Pyura vittata (1)</u>	
KOPRI-INV-AHN0988	230	2014-01-02	SP102	CHORDATA	Ascidacea sp. 3	1	MC4		<u>Pyura bouvetensis</u>	

Null, only these species have been sequenced under the same genus

KOPRI-INV-AHN0905	149	2013-12-30	SP103	CHORDATA	Ascidacea sp. 4	2	MC2	15-35	Pyura sp. RPP-2008 (1)	
KOPRI-INV-AHN0954	185	2014-1-22, 1-24	SP103	CHORDATA	Ascidacea sp. 4	1	MC3	15-35	Corella eumyota (31)	
								15-35	Corella sp. RL-2014a (3)	
								15-35	Corella aff. brasiliensis RL-2014 (3)	
									Corella aff. melvinii RL-2014 (3)	
									Corella aff. nova 2 RL-2014 (2)	
									Corella brasiliensis (17)	
									Corella aff. nova 1 RL-2014 (11)	
									Corella aff. zahlbruckneri RL-2014 (2)	
									Corella zahlbruckneri (1)	
									Corella japonica (1)	
									Corella inflata (1)	
									Corella sp. MONI749 (1)	
KOPRI-INV-AHN0956	172	2014-1-15, 1-21	SP109	CHORDATA	Ascidacea sp. 10	1	MC3	15-35	Ascidacea sp. FLEIV113-14 (1)	
KOPRI-INV-AHN0991	215	2013-12-29	SP109	CHORDATA	Ascidacea sp. 10		MC4	15-35	Ascidacea sp. FLEIV216-14 (1)	
KOPRI-INV-AHN0992	233	2014-01-02	SP109	CHORDATA	Ascidacea sp. 10	1	MC4	15-35	Ascidacea sp. FLEIV199-14 (1)	
KOPRI-INV-AHN0910	150	2013-12-30	SP129	CHORDATA	Ascidacea sp. 14	2	MC2	15-35	Ascidacea sp. FLEIV151-14 (1)	
KOPRI-INV-AHN0995	217	2013-12-29	SP129	CHORDATA	Ascidacea sp. 14	1	MC4	15-35	Ascidacea sp. FLEIV111-14 (1)	
								15-35	Ascidacea sp. FLEIV148-14 (1)	
									Ascidacea sp. FLEIV224-14 (1)	
									Ascidacea sp. FLEIV147-14 (1)	
									Ascidacea sp. FLEIV150-14 (1)	
									Ascidacea sp. FLEIV153-14 (1)	
									Ascidacea sp. FLEIV119-14 (1)	
KOPRI-INV-AHN0911	151	2013-12-30	SP144	CHORDATA	Ascidacea sp. 15	1	MC2			
KOPRI-INV-AHN0908	90	2013-12-10	SP111	CHORDATA	Ascidacea sp. 12	1	MC2	15-35	Null	
KOPRI-INV-AHN0909	116	2013-12-20	SP111	CHORDATA	Ascidacea sp. 12	1	MC2	15-35		
KOPRI-INV-AHN0993	216	2013-12-29	SP111	CHORDATA	Ascidacea sp. 12		MC4	15-35	Tylobranchion speciosum	
KOPRI-INV-AHN0906	88	2013-12-10	SP104	CHORDATA	Ascidacea sp. 5	1	MC2	15-35		
KOPRI-INV-AHN0955	186	2014-1-22, 1-24	SP104	CHORDATA	Ascidacea sp. 5	1	MC3	15-35	Cnemidocarpa verrucosa (1)	Sequences deposited
KOPRI-INV-AHN0990	232	2014-01-02	SP104	CHORDATA	Ascidacea sp. 5	3	MC4	15-35		
KOPRI-INV-AHN0831	126	2013-12-30	SP14	CNIDARIA	Actiniidae 1	1	MC2	15-35	Isolealia antarctica (4) or Stomphia selaginella (5)	Sequence deposited
KOPRI-INV-AHN0924	178	2014-1-22, 1-24	SP15	CNIDARIA	Actiniidae 2		MC3	15-35	Urticinopsis antarctica (3)	Sequence deposited
KOPRI-INV-AHN0958	219	2014-01-02	SP15	CNIDARIA	Actiniidae 2	1	MC4	15-35		
KOPRI-INV-AHN0832	127	2013-12-30	SP16	CNIDARIA	Actiniidae 3	1	MC2	15-35	Hormathia lacunifera (6)	Not sure it is the same species as in NCBI
KOPRI-INV-AHN0925	158	2014-1-15, 1-21	SP25	CNIDARIA	Hydrozoa sp. 1	1	MC3	15-35		
KOPRI-INV-AHN0926	190	2014-01-26	SP25	CNIDARIA	Hydrozoa sp. 1		MC3	15-35		
KOPRI-INV-AHN0833	128	2013-12-30	SP145	CNIDARIA	Hydrozoa sp. 2		MC2	15-35	Hydrozoa sp. (9)	Unknown hydrozoa species being deposited in NCBI
KOPRI-INV-AHN0927	159	2014-1-15, 1-21	SP145	CNIDARIA	Hydrozoa sp. 2		MC3	15-35		
KOPRI-INV-AHN0928	160	2014-1-15, 1-21	SP151	CNIDARIA	Hydrozoa sp. 3	1	MC3	15-35		
KOPRI-INV-AHN0929	191	2014-01-26	SP151	CNIDARIA	Hydrozoa sp. 3	1	MC3	15-35		
KOPRI-INV-AHN0892	72	2014-01-03	SP88	ECHINODERMATA	Porania antarctica	1	MC2	15-35	Porania antarctica (4)	Sequence deposited
KOPRI-INV-AHN0897	115	2013-12-20	SP99	ECHINODERMATA	Crinoidea sp.	1/DNA	MC2	15-35	Promachocrinus kernuelensis	

KOPRI-INV-AHN0886	201	2013-12-23	SP99	ECHINODERMATA	Crinoidea sp.	2	MC4	15-35	keruelensis (white color)	(1549)	
KOPRI-INV-AHN0952	170	2014-1-15, 1-21	SP85	ECHINODERMATA	Diplasterias sp.	1	MC3	15-35	Diplasterias sp.	cf. <i>Diplasterias</i> sp. DH-2009 (2)	
KOPRI-INV-AHN0891	144	2013-12-30	SP82	ECHINODERMATA	<i>Psilaster</i> sp.	1	MC2	15-35	<i>Psilaster</i> sp.	<i>Diplasterias</i> sp. CLM 41 (1)	
KOPRI-INV-AHN0985	229	2014-01-02	SP83	ECHINODERMATA	<i>Perknaster</i> sp.	1	MC4	15-35	<i>Perknaster</i> sp.	<i>Psilaster pectinatus</i> (6)	
KOPRI-INV-AHN0895	114	2013-12-20	SP94	ECHINODERMATA	<i>Abatus</i> sp.	1	MC2	15-35	<i>Abatus</i> sp.	<i>Psilaster charcoti</i> (3)	
KOPRI-INV-AHN0896	146	2013-12-30	SP95	ECHINODERMATA	<i>Holothuroidea</i> sp. 1	1	MC2	15-35	large, brown	<i>Psilaster cassiope</i> (3)	Unknown species, these are all species which have been sequenced for the respective genera
KOPRI-INV-AHN0894	113	2013-12-20	SP91	ECHINODERMATA	<i>Labidiaster</i> sp.	part	MC2	15-35	<i>Labidiaster radius</i>	<i>Perknaster fuscus</i> (10)	
KOPRI-INV-AHN0899	147	2013-12-30	SP132	ECHINODERMATA	<i>Asteroida</i> sp. 2	1	MC2	15-35	<i>verrucosa</i> ?	<i>Perknaster charcoti</i> (4)	
KOPRI-INV-AHN0893	145	2013-12-30	SP90	ECHINODERMATA	<i>Cryptasterias</i> sp.	2	MC2	15-35	<i>Cryptasterias</i> sp.	<i>Perknaster aurantiacus</i> (4)	
KOPRI-INV-AHN0898	84	2013-12-10	SP113	ECHINODERMATA	<i>Asteroida</i> sp. 1	6	MC2	15-35	orange color-small	<i>Abatus cordatus</i> (8)	
KOPRI-INV-AHN0900	148	2013-12-30	SP141	ECHINODERMATA	<i>Echinoidea</i> sp.	1	MC2	15-35	ball shape, radial pattern	<i>Abatus cavernosus</i> (7)	
KOPRI-INV-AHN0850	70	2014-01-03	SP52	MOLLUSCA	<i>Limatula</i> sp.		MC2	15-35		<i>Abatus shackletoni</i> (6)	
KOPRI-INV-AHN0851	134	2013-12-30	SP52	MOLLUSCA	<i>Limatula</i> sp.	5	MC2	15-35	<i>Limatula</i> sp.	<i>Abatus nimrod</i> (5)	
KOPRI-INV-AHN0936	166	2014-1-15, 1-21	SP38	MOLLUSCA	<i>Margarella antarctica</i>	3	MC3	15-35	<i>Margarella antarctica</i>	<i>Abatus ingens</i> (3)	
KOPRI-INV-AHN0844	96	2013-12-20	SP39	MOLLUSCA	<i>Neobuccinum eatoni</i>	1	MC2	15-35	<i>Neobuccinum eatoni</i>	<i>Abatus elongatus</i> (1)	
KOPRI-INV-AHN0849	98	2013-12-20	SP50	MOLLUSCA	<i>Nudibranchia</i> 5	2	MC2	15-35	<i>Charcotia granulosa</i>	<i>Abatus agassizii</i> (1)	
KOPRI-INV-AHN0848	133	2013-12-30	SP47	MOLLUSCA	<i>Nudibranchia</i> sp.	2	MC2	15-35	<i>Eubranchus</i> sp.	<i>Holothuria sp. MA-2010</i> (2)	
KOPRI-INV-AHN0965	206	2013-12-29	SP47	MOLLUSCA	<i>Nudibranchia</i> sp.	1	MC4	15-35	<i>Eubranchus</i> sp.	<i>Holothuria austrinabassa</i> (2)	
KOPRI-INV-AHN0856	100	2013-12-20	SP59	MOLLUSCA	<i>Polyplacophora</i> sp. 1	3	MC2	15-35	<i>Polyplacophora</i> sp.	<i>Labidiaster annulatus</i> (14)	
KOPRI-INV-AHN0857	137	2013-12-30	SP59	MOLLUSCA	<i>Polyplacophora</i> sp. 1	2	MC2	15-35	<i>Polyplacophora</i> sp.	<i>Verrucosa arenata</i> (5)	Suppose to be Arthropoda?
KOPRI-INV-AHN0939	192	2014-01-26	SP150	MOLLUSCA	<i>Polyplacophora</i> sp. 2	1	MC3	15-35	<i>Polyplacophora</i> sp.	Null	Too large to be searched, since
KOPRI-INV-AHN0969	225	2014-01-02	SP150	MOLLUSCA	<i>Polyplacophora</i> sp. 2	1	MC4	15-35	<i>Polyplacophora</i> sp.	<i>Limatula pygmaea</i> (7)	These species are being sequenced under this genus
KOPRI-INV-AHN0854	78	2013-12-10	SP54	MOLLUSCA	<i>Yoldia eightsi</i>	shell	MC2	15-35	<i>Yoldia eightsi</i>	<i>Limatula ovals</i> (5)	
										<i>Limatula hodgsoni</i> (3)	
										<i>Limatula similima</i> (2)	
										<i>Margarella antarctica</i> (3)	Sequence deposited
										<i>Neobuccinum eatoni</i> (11)	
										<i>Charcotia granulosa</i> (2)	
										<i>Eubranchus</i> sp. (2)	
										<i>Eubranchus</i> sp. CG-2003 (1)	
										<i>Polyplacophora</i> sp. BMOO-08087 (1)	Unknown species for these genera

KOPRI-INV-AHN0855	136	2013-12-30	SP54	MOLLUSCA	Yoldia eightisi	1	MC2	15-35	Yoldia eightisi (8)	Sequence deposited
KOPRI-INV-AHN0937	167	2014-1-15, 1-21	SP54	MOLLUSCA	Yoldia eightisi	1	MC3	15-35		
KOPRI-INV-AHN0847	77	2013-12-10	SP44	MOLLUSCA	Gastropoda 3	3	MC2	15-35	<i>Laevitorina caliginosa</i>	<i>Laevitorina caliginosa</i> (4)
KOPRI-INV-AHN0845	76	2013-12-10	SP43	MOLLUSCA	Gastropoda 2	shell	MC2	15-35	<i>Anauropsis rossiana</i>	Null
KOPRI-INV-AHN0846	97	2013-12-20	SP43	MOLLUSCA	Gastropoda 2	2	MC2	15-35		
KOPRI-INV-AHN0858	79	2013-12-10	SP114	MOLLUSCA	Gastropoda 4	1	MC2	15-35		
KOPRI-INV-AHN0859	101	2013-12-20	SP114	MOLLUSCA	Gastropoda 4	1	MC2	15-35	<i>Laevilacumaria antarctica</i>	Null
KOPRI-INV-AHN0966	224	2014-01-02	SP114	MOLLUSCA	Gastropoda 4	2	MC4	15-35		
KOPRI-INV-AHN0852	99	2013-12-20	SP53	MOLLUSCA	Philobrya sp.	1	MC2	15-35		No recorded sequence under this genus
KOPRI-INV-AHN0853	135	2013-12-30	SP53	MOLLUSCA	Philobrya sp.	3	MC2	15-35	<i>Philobrya sp.</i>	Null
KOPRI-INV-AHN0861	102	2013-12-20	SP118	MOLLUSCA	Marseniopsis sp. 3	1	MC2	15-35	<i>Marseniopsis antarctica</i>	Only this species being sequenced
KOPRI-INV-AHN0860	80	2013-12-10	SP115	MOLLUSCA	bivalves3	3-shell, 1-alive	MC2	15-35		
KOPRI-INV-AHN0862	138	2013-12-30	SP127	MOLLUSCA	Gastropoda 5	2	MC2	15-35		
KOPRI-INV-AHN0938	168	2014-1-15, 1-21	SP127	MOLLUSCA	Gastropoda 5	1	MC3	15-35		Too large to be searched, since the species is unknown
KOPRI-INV-AHN0967	197	2013-12-23	SP127	MOLLUSCA	Gastropoda 5	7	MC4	15-35		
KOPRI-INV-AHN0968	207	2013-12-29	SP127	MOLLUSCA	Gastropoda 5	5	MC4	15-35		
KOPRI-INV-AHN0940	196	2014-01-26		MOLLUSCA	Gastropoda spp.	1	MC3	15-35		
KOPRI-INV-AHN0918	156	2014-1-15, 1-21	SP11	PORIFERA	Porifera sp. 11		MC3	15-35	<i>Mycale acerata</i>	Sequence have been deposited in NCBI
KOPRI-INV-AHN0923	189	2014-01-26	SP155	PORIFERA	Porifera sp. 21		MC3	15-35	<i>Cinachya antarctica</i>	<i>Cinachya antarctica</i> (4)
KOPRI-INV-AHN0826	121	2013-12-30	SP4	PORIFERA	Porifera sp. 4	1	MC2	15-35	<i>Sphaerolylus antarcticus</i>	<i>Sphaerolylus antarcticus</i> (5)
KOPRI-INV-AHN0915	154	2014-1-15, 1-21	SP2	PORIFERA	Porifera sp. 2	part	MC3	15-35		
KOPRI-INV-AHN0957	203	2013-12-29	SP2	PORIFERA	Porifera sp. 2	part	MC4	15-35	<i>Hemigellius rudis</i>	<i>Hemigellius fimbriatus</i> (1)
KOPRI-INV-AHN0917	174	2014-1-22, 1-24	SP9	PORIFERA	Porifera sp. 9	2	MC3	15-35	<i>Homaxinella sp.</i>	<i>Homaxinella subdola</i> (4)
KOPRI-INV-AHN0825	120	2013-12-30	SP1	PORIFERA	Porifera sp. 1	part	MC2	15-35		
KOPRI-INV-AHN0914	153	2014-1-15, 1-21	SP1	PORIFERA	Porifera sp. 1	1	MC3	15-35	<i>Dendrilla antarctica</i>	Null
KOPRI-INV-AHN0916	155	2014-1-15, 1-21	SP5	PORIFERA	Porifera sp. 5	part	MC3	15-35	<i>Kirkpatrickia variolosa</i>	Null
KOPRI-INV-AHN0830	125	2013-12-30		PORIFERA	Porifera spp.	part	MC2	15-35		
KOPRI-INV-AHN0827	122	2013-12-30	SP130	PORIFERA	Porifera sp. 15	part	MC2	15-35		
KOPRI-INV-AHN0919	157	2014-1-15, 1-21	SP130	PORIFERA	Porifera sp. 15	part	MC3	15-35		
KOPRI-INV-AHN0920	175	2014-1-22, 1-24	SP130	PORIFERA	Porifera sp. 15	part	MC3	15-35		
KOPRI-INV-AHN0828	123	2013-12-30	SP140	PORIFERA	Porifera sp. 17	1	MC2	15-35		Too large to be searched, since the species is unknown
KOPRI-INV-AHN0829	124	2013-12-30	SP147	PORIFERA	Porifera sp. 18	part	MC2	15-35		

KOPRI-INV-AHN0921	176	2014-1-22, 1-24	SP152	PORIFERA	Porifera sp. 19	part	MC3	15-35			
KOPRI-INV-AHN0922	177	2014-1-22, 1-24	SP153	PORIFERA	Porifera sp. 20	part	MC3	15-35			
KOPRI-INV-AHN0931	162	2014-1-15, 1-21	SP29	NEMERTEA	Nemertea sp.	2	MC3	15-35	Null	No sequence record for this genus	
KOPRI-INV-AHN0841	75	2013-12-10	SP35	SIPUNCULA	Sipunculida sp.	1	MC2			Too large to be searched, since the species is unknown	
KOPRI-INV-AHN0842	131	2013-12-30	SP35	SIPUNCULA	Sipunculida sp.	2	MC2				
KOPRI-INV-AHN0834	92	2013-12-20	SP34	BRACHIOPODA	Brachiopoda sp.	1	MC2	15-35		Too large to be searched, since the species is unknown	
KOPRI-INV-AHN0835	93	2013-12-20	SP34	BRACHIOPODA	Brachiopoda sp.	1	MC2	15-35			
KOPRI-INV-AHN0912	91	2013-12-10	SP116		worm	5	MC2	15-35			
KOPRI-INV-AHN0913	119	2013-12-20	SP116		worm	1	MC2	15-35		Suppose to be in Annelida?	

Appendix II . List of specimens collected inshore waters around King Sejong Station in KPDC (Korea Polar Data Center). Those from No. 740 to 1120 were newly uploaded as an outcome of this study.

Sample No.	Specimen ID	Collection Manager	Sampling divers	Sampling Date	Taxon (to be confirmed)	Classified by	Locality	Latitude	Longitude	Sampling depth	Preservation method	Remark
1	KOPRI-INV-AHN0001	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Cuenotaster involutus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15~20	70% ETOH	
2	KOPRI-INV-AHN0002	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Cuenotaster involutus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15~20	70% ETOH	
3	KOPRI-INV-AHN0003	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Acodontaster hodgsoni</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15~20	70% ETOH	
4	KOPRI-INV-AHN0004	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Notasterias armata</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15~20	70% ETOH	
5	KOPRI-INV-AHN0005	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Porania antarctica</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15~20	70% ETOH	
6	KOPRI-INV-AHN0006	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Odontaster validus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15~20	70% ETOH	
7	KOPRI-INV-AHN0007	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~25	70% ETOH	
8	KOPRI-INV-AHN0008	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~25	70% ETOH	
9	KOPRI-INV-AHN0009	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Tritoniella</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		100% ETOH	
10	KOPRI-INV-AHN0010	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	70% ETOH	
11	KOPRI-INV-AHN0011	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Fiabelligera munda</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-30	70% ETOH	
12	KOPRI-INV-AHN0012	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	Actiniidae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15	5% Formalin	
13	KOPRI-INV-AHN0013	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	Actiniidae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15	5% Formalin	
14	KOPRI-INV-AHN0014	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-35	70% ETOH	
15	KOPRI-INV-AHN0015	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Marseniopsis mollis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	70% ETOH	
16	KOPRI-INV-AHN0016	IN-YOUNG AHN	S.G. Ra, W.C. Jo	23 Dec. 2009	<i>Margarella antarctica</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-15	70% ETOH	
17	KOPRI-INV-AHN0017	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Acodontaster conspicuus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH	
18	KOPRI-INV-AHN0018	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Asteroidea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH	
19	KOPRI-INV-AHN0019	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Cryptasterias turqueti</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~25	70% ETOH	
20	KOPRI-INV-AHN0020	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Cryptasterias turqueti</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~25	70% ETOH	
21	KOPRI-INV-AHN0021	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Odontaster</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH	
22	KOPRI-INV-AHN0022	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Odontaster validus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~25	70% ETOH	
23	KOPRI-INV-AHN0023	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Ophionotus victoriae</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~25	70% ETOH	
24	KOPRI-INV-AHN0024	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Ophionotus victoriae</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~25	70% ETOH	
25	KOPRI-INV-AHN0025	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Labidiaster radiousus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		FROZEN	
26	KOPRI-INV-AHN0026	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Ctenodidaris</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~25	70% ETOH	
27	KOPRI-INV-AHN0027	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Sterechnus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH	
28	KOPRI-INV-AHN0028	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Promachocrinus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH	
29	KOPRI-INV-AHN0029	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Promachocrinus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH	
30	KOPRI-INV-AHN0030	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Sphaeropytus antarcticus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH	
31	KOPRI-INV-AHN0031	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Sponge	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH	

32	KOPRI-INV-AHN0032	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Sponge	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
33	KOPRI-INV-AHN0033	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Sponge	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
34	KOPRI-INV-AHN0034	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Sponge	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
35	KOPRI-INV-AHN0035	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Sponge	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
36	KOPRI-INV-AHN0036	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Ascidians 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
37	KOPRI-INV-AHN0037	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Ascidians 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
38	KOPRI-INV-AHN0038	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Ascidians 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
39	KOPRI-INV-AHN0039	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Molgula pedunculata</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
40	KOPRI-INV-AHN0040	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Ascidians 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
41	KOPRI-INV-AHN0041	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
42	KOPRI-INV-AHN0042	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Parabolasia corrugatus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	5% Formalin
43	KOPRI-INV-AHN0043	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Thelepus cinnatus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-30
44	KOPRI-INV-AHN0044	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Flabelligera munda</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-20~30
45	KOPRI-INV-AHN0045	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Barrukia cristata</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
46	KOPRI-INV-AHN0046	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Sea spider	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
47	KOPRI-INV-AHN0047	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Serolis cornuta</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
48	KOPRI-INV-AHN0048	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Amphipod	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
49	KOPRI-INV-AHN0049	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Isotaelia antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
50	KOPRI-INV-AHN0050	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Neobuccium eatoni</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
51	KOPRI-INV-AHN0051	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Margarella antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
52	KOPRI-INV-AHN0052	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Gastropod	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
53	KOPRI-INV-AHN0053	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Yoldia eighsi</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
54	KOPRI-INV-AHN0054	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Limatula</i> sp. (<i>hodgsoni</i> a	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
55	KOPRI-INV-AHN0055	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Philobray sublaevis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
56	KOPRI-INV-AHN0056	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Nacella concinna</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
57	KOPRI-INV-AHN0057	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Nacella magellanica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
58	KOPRI-INV-AHN0058	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Sea whips (orange/ ivory)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
59	KOPRI-INV-AHN0059	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Dec. 2009	Asteroida	H.W. MOON	Penguin Village			70% ETOH
60	KOPRI-INV-AHN0060	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Dec. 2009	Asteroida	H.W. MOON	Penguin Village			100% ETOH
61	KOPRI-INV-AHN0061	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Dec. 2009	<i>Odontaster meridionalis</i>	H.W. MOON	Penguin Village			70% ETOH
62	KOPRI-INV-AHN0062	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Dec. 2009	Brachiopod	H.W. MOON	Penguin Village			70% ETOH
63	KOPRI-INV-AHN0063	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Dec. 2009	Gastropod(<i>Pelliltorina</i> se	H.W. MOON	Penguin Village			100% ETOH
64	KOPRI-INV-AHN0064	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Dec. 2009	<i>Perkinsiana</i> sp.	H.W. MOON	Penguin Village			100% ETOH
65	KOPRI-INV-AHN0065	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Dec. 2009	<i>Philobray sublaevis</i>	H.W. MOON	Penguin Village			70% ETOH
66	KOPRI-INV-AHN0066	IN-YOUNG AHN	S.G. Ra, W.C. Jo	27 Dec. 2009	<i>Ceramaster</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-20
67	KOPRI-INV-AHN0067	IN-YOUNG AHN	S.G. Ra, W.C. Jo	27 Dec. 2009	Chitons	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-20
68	KOPRI-INV-AHN0068	IN-YOUNG AHN	S.G. Ra, W.C. Jo	27 Dec. 2009	Chitons	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-20

69	KOPRI-INV-AHN0069	IN-YOUNG AHN	S.G. Ra, W.C. Jo	27 Dec. 2009	Crustacea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
70	KOPRI-INV-AHN0070	IN-YOUNG AHN	S.G. Ra, W.C. Jo	27 Dec. 2009	<i>Sycozoa</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
71	KOPRI-INV-AHN0071	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	<i>Cuenotaster involutus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
72	KOPRI-INV-AHN0072	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	<i>Ophioparte gigas</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
73	KOPRI-INV-AHN0073	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	<i>Bathydromus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-12~15	70% ETOH
74	KOPRI-INV-AHN0074	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	<i>Nacella</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
75	KOPRI-INV-AHN0075	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	<i>Yoldia eightsi</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
76	KOPRI-INV-AHN0076	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	<i>Brachiopod(Magellania</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
77	KOPRI-INV-AHN0077	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	Chitons	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
78	KOPRI-INV-AHN0078	IN-YOUNG AHN	S.G. Ra, W.C. Jo	28 Dec. 2009	Gastropod	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
79	KOPRI-INV-AHN0079	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	Scale worms	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		70% ETOH
80	KOPRI-INV-AHN0080	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	Anthozoa	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		5% Formalin
81	KOPRI-INV-AHN0081	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	Sea spider	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		70% ETOH
82	KOPRI-INV-AHN0082	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	<i>Edwardsiella</i> sp.	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		5% Formalin
83	KOPRI-INV-AHN0083	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	gastropod-b	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		70% ETOH
84	KOPRI-INV-AHN0084	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	Gastropod	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		70% ETOH
85	KOPRI-INV-AHN0085	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	<i>Yoldia eightsi</i>	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-30	100% ETOH
86	KOPRI-INV-AHN0086	IN-YOUNG AHN	S.G. Ra, W.C. Jo	29 Dec. 2009	<i>Nacella</i> sp.	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		100% ETOH
87	KOPRI-INV-AHN0087	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Dec. 2009	<i>Philine</i> sp.	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-30	100% ETOH
88	KOPRI-INV-AHN0088	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Dec. 2009	<i>Philine</i> sp.	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-30	70% ETOH
89	KOPRI-INV-AHN0089	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Dec. 2009	Actiniidae	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		5% Formalin
90	KOPRI-INV-AHN0090	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Dec. 2009	Gastropod	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		70% ETOH
91	KOPRI-INV-AHN0091	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Dec. 2009	gastropod-b	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		100% ETOH
92	KOPRI-INV-AHN0092	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Dec. 2009	Platyhelminthes	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		5% Formalin
93	KOPRI-INV-AHN0093	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Dec. 2009	Scale worms	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-20~30	70% ETOH
94	KOPRI-INV-AHN0094	IN-YOUNG AHN	S.G. Ra, W.C. Jo	02 Jan. 2010	<i>Diplasterias brucei</i> or <i>N.</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
95	KOPRI-INV-AHN0095	IN-YOUNG AHN	S.G. Ra, W.C. Jo	02 Jan. 2010	<i>Cyathra verrucosa</i> or <i>M.</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
96	KOPRI-INV-AHN0096	IN-YOUNG AHN	S.G. Ra, W.C. Jo	02 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
97	KOPRI-INV-AHN0097	IN-YOUNG AHN	S.G. Ra, W.C. Jo	02 Jan. 2010	<i>Odontaster meridionalis</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
98	KOPRI-INV-AHN0098	IN-YOUNG AHN	S.G. Ra, W.C. Jo	02 Jan. 2010	Sponge	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
99	KOPRI-INV-AHN0099	IN-YOUNG AHN	S.G. Ra, W.C. Jo	02 Jan. 2010	<i>Neobuccium eatoni</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
100	KOPRI-INV-AHN0100	IN-YOUNG AHN	S.G. Ra, W.C. Jo	02 Jan. 2010	<i>Notacolia gigas</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
101	KOPRI-INV-AHN0101	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	<i>Perkaster</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
102	KOPRI-INV-AHN0102	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	<i>Ophionotus</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
103	KOPRI-INV-AHN0103	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
104	KOPRI-INV-AHN0104	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	Actiniidae	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		5% Formalin
105	KOPRI-INV-AHN0105	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	<i>Perkinsiana</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH

106	KOPRI-INV-AHN0106	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	Ascidians 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
107	KOPRI-INV-AHN0107	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	Ascidians 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
108	KOPRI-INV-AHN0108	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	<i>Flabelligera</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
109	KOPRI-INV-AHN0109	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	<i>Odontaster meridionalis</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
110	KOPRI-INV-AHN0110	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	<i>Thelepus</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	70% ETOH
111	KOPRI-INV-AHN0111	IN-YOUNG AHN	S.G. Ra, W.C. Jo	3 Jan. 2010	Perkinsiana sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	70% ETOH
112	KOPRI-INV-AHN0112	IN-YOUNG AHN	S.G. Ra, W.C. Jo	6 Jan. 2010	<i>Odontaster meridionalis</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	70% ETOH
113	KOPRI-INV-AHN0113	IN-YOUNG AHN	S.G. Ra, W.C. Jo	6 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
114	KOPRI-INV-AHN0114	IN-YOUNG AHN	S.G. Ra, W.C. Jo	6 Jan. 2010	Salpa	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
115	KOPRI-INV-AHN0115	IN-YOUNG AHN	S.G. Ra, W.C. Jo	6 Jan. 2010	<i>Perkinsiana</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
116	KOPRI-INV-AHN0116	IN-YOUNG AHN	S.G. Ra, W.C. Jo	6 Jan. 2010	Ascidians	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
117	KOPRI-INV-AHN0117	IN-YOUNG AHN	S.G. Ra, W.C. Jo	6 Jan. 2010	Tomopteris	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
118	KOPRI-INV-AHN0118	IN-YOUNG AHN	S.G. Ra, W.C. Jo	6 Jan. 2010	<i>Decalopoda australis</i> ?	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
119	KOPRI-INV-AHN0119	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Labidiaster radiosus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
120	KOPRI-INV-AHN0120	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Porania antarctica</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
121	KOPRI-INV-AHN0121	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Diplasterias brucei</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
122	KOPRI-INV-AHN0122	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Cuenotaster involutus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
123	KOPRI-INV-AHN0123	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Psilaster</i> sp.(Type a)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
124	KOPRI-INV-AHN0124	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Psilaster</i> sp.(Type b)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
125	KOPRI-INV-AHN0125	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Cryptasterias turqueti</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
126	KOPRI-INV-AHN0126	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Cryptasterias turqueti</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
127	KOPRI-INV-AHN0127	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Cryptasterias</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
128	KOPRI-INV-AHN0128	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Perknotaster</i> sp. (check)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
129	KOPRI-INV-AHN0129	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
130	KOPRI-INV-AHN0130	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Ophionotus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
131	KOPRI-INV-AHN0131	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Flabelligera munda</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
132	KOPRI-INV-AHN0132	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Sterechnus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
133	KOPRI-INV-AHN0133	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	Holothuroidea	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
134	KOPRI-INV-AHN0134	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	Actiniidae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
135	KOPRI-INV-AHN0135	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
136	KOPRI-INV-AHN0136	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Serolis cornuta</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
137	KOPRI-INV-AHN0137	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	Scale worms	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
138	KOPRI-INV-AHN0138	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Laternula elliptica</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
139	KOPRI-INV-AHN0139	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Neobuccinum eatoni</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
140	KOPRI-INV-AHN0140	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	<i>Pyura setosa</i> et al. 4 spec	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
141	KOPRI-INV-AHN0141	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	Polyclimidae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
142	KOPRI-INV-AHN0142	IN-YOUNG AHN	S.G. Ra, W.C. Jo	8 Jan. 2010	Salpa	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH

143	KOPRI-INV-AHN0143	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Tenuis microspiculata</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
144	KOPRI-INV-AHN0144	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Tenuis microspiculata</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
145	KOPRI-INV-AHN0145	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Sycozoa sp.</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
146	KOPRI-INV-AHN0146	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Sycozoa sp.</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
147	KOPRI-INV-AHN0147	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
148	KOPRI-INV-AHN0148	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
149	KOPRI-INV-AHN0149	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Abatus sp.</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
150	KOPRI-INV-AHN0150	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Labidiaster radiosus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
151	KOPRI-INV-AHN0151	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
152	KOPRI-INV-AHN0152	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	Actiniidae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
153	KOPRI-INV-AHN0153	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Flabelligera moundata</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
154	KOPRI-INV-AHN0154	IN-YOUNG AHN	S.G. Ra, W.C. Jo	9 Jan. 2010	<i>Porania antarctica</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
155	KOPRI-INV-AHN0155	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Ceratoserolis trilobitoides</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	70% ETOH
156	KOPRI-INV-AHN0156	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Ceratoserolis trilobitoides</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	5% For
157	KOPRI-INV-AHN0157	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Ceratoserolis trilobitoides</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	5% For
158	KOPRI-INV-AHN0158	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Ceratoserolis trilobitoides</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	100% ETOH
159	KOPRI-INV-AHN0159	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Thouarella(Thouarella) a</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
160	KOPRI-INV-AHN0160	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Thouarella(Thouarella) a</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
161	KOPRI-INV-AHN0161	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Thouarella(Thouarella) a</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
162	KOPRI-INV-AHN0162	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
163	KOPRI-INV-AHN0163	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
164	KOPRI-INV-AHN0164	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
165	KOPRI-INV-AHN0165	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Malacobelemn daytoni</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	70% ETOH
166	KOPRI-INV-AHN0166	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Malacobelemn daytoni</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	100% ETOH
167	KOPRI-INV-AHN0167	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Tenuis microspiculata</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
168	KOPRI-INV-AHN0168	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Acodontaster conspicuus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
169	KOPRI-INV-AHN0169	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Perknaster sp.</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
170	KOPRI-INV-AHN0170	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Perknaster sp.</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	미 확인
171	KOPRI-INV-AHN0171	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Perknaster sp.</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	미 확인
172	KOPRI-INV-AHN0172	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Psilaster charcoti (type b)</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	미 확인
173	KOPRI-INV-AHN0173	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Macrotychaster sp.</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
174	KOPRI-INV-AHN0174	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Ophioparte gigas</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
175	KOPRI-INV-AHN0175	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
176	KOPRI-INV-AHN0176	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
177	KOPRI-INV-AHN0177	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
178	KOPRI-INV-AHN0178	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
179	KOPRI-INV-AHN0179	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH

180	KOPRI-INV-AHN0180	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
181	KOPRI-INV-AHN0181	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Odontaster meridionalis</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
182	KOPRI-INV-AHN0182	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Cryptaster</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
183	KOPRI-INV-AHN0183	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Cryptaster</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
184	KOPRI-INV-AHN0184	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Cryptaster</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
185	KOPRI-INV-AHN0185	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Cryptaster</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
186	KOPRI-INV-AHN0186	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Cryptaster</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
187	KOPRI-INV-AHN0187	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Cryptaster</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
188	KOPRI-INV-AHN0188	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Cryptaster</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
189	KOPRI-INV-AHN0189	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Anauropsis rossiana</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
190	KOPRI-INV-AHN0190	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	Gastropod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
191	KOPRI-INV-AHN0191	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Mallevia sabrina</i> ?	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
192	KOPRI-INV-AHN0192	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	Brachiopod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
193	KOPRI-INV-AHN0193	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Tritonella</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
194	KOPRI-INV-AHN0194	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Tritonella</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
195	KOPRI-INV-AHN0195	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Antarctonemertes validum</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	5% Formalin
196	KOPRI-INV-AHN0196	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	Polychaeta	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
197	KOPRI-INV-AHN0197	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Aglaophamus</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
198	KOPRI-INV-AHN0198	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	Ascidians	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
199	KOPRI-INV-AHN0199	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Philobray sublaevis</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
200	KOPRI-INV-AHN0200	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Yoldia eightsi</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	100% ETOH
201	KOPRI-INV-AHN0201	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
202	KOPRI-INV-AHN0202	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	Holothuroidea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
203	KOPRI-INV-AHN0203	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
204	KOPRI-INV-AHN0204	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	<i>Ctenocidaris</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
205	KOPRI-INV-AHN0205	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	<i>Urticinopsis antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	5% Formalin
206	KOPRI-INV-AHN0206	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	Actiniidae b(typical)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
207	KOPRI-INV-AHN0207	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	<i>Charcotia granulosa</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
208	KOPRI-INV-AHN0208	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	<i>Marseniopsis conica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
209	KOPRI-INV-AHN0209	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	<i>Cryptaster</i> sp.-type C	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	미 확인
210	KOPRI-INV-AHN0210	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	Brachiopod	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
211	KOPRI-INV-AHN0211	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	priapulans	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	5% Formalin
212	KOPRI-INV-AHN0212	IN-YOUNG AHN	S.G. Ra, W.C. Jo	12 Jan. 2010	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
213	KOPRI-INV-AHN0213	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Ctenocidaris</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
214	KOPRI-INV-AHN0214	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	Bivalves (pencil urchin 厩)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
215	KOPRI-INV-AHN0215	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미 확인
216	KOPRI-INV-AHN0216	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH

217	KOPRI-INV-AHN0217	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Sterechinus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		미 확인
218	KOPRI-INV-AHN0218	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Cryptasterias</i> sp. (soft)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		미 확인
219	KOPRI-INV-AHN0219	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Diplasterias</i> sp. (<i>D. brank</i>)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
220	KOPRI-INV-AHN0220	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Porania antarctica</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
221	KOPRI-INV-AHN0221	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Cuenotaster</i> sp. (<i>Cuenota</i>)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		미 확인
222	KOPRI-INV-AHN0222	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Psilaster</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		미 확인
223	KOPRI-INV-AHN0223	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	Holothuroidea	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
224	KOPRI-INV-AHN0224	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		5% Formalin
225	KOPRI-INV-AHN0225	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Lyrocteis flavopallidus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-50	5% Formalin
226	KOPRI-INV-AHN0226	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Lyrocteis flavopallidus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		100% ETOH
227	KOPRI-INV-AHN0227	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	Salpa	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		5% Formalin
228	KOPRI-INV-AHN0228	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Thelepus cinnatus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		5% Formalin
229	KOPRI-INV-AHN0229	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	Scale worms	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
230	KOPRI-INV-AHN0230	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
231	KOPRI-INV-AHN0231	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		100% ETOH
232	KOPRI-INV-AHN0232	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	gastropod-b	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		100% ETOH
233	KOPRI-INV-AHN0233	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	gastropod-b	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		100% ETOH
234	KOPRI-INV-AHN0234	IN-YOUNG AHN	S.G. Ra, W.C. Jo	13 Jan. 2010	<i>Edwardsiella</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		5% Formalin
235	KOPRI-INV-AHN0235	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Labidiaster radiosus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
236	KOPRI-INV-AHN0236	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Labidiaster radiosus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
237	KOPRI-INV-AHN0237	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Diplasterias</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
238	KOPRI-INV-AHN0238	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Cuenotaster</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
239	KOPRI-INV-AHN0239	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Psilaster</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
240	KOPRI-INV-AHN0240	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Porania antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
241	KOPRI-INV-AHN0241	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Perknaster</i> sp.(?)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
242	KOPRI-INV-AHN0242	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Ophionotus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
243	KOPRI-INV-AHN0243	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Sterechinus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
244	KOPRI-INV-AHN0244	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Laternula elliptica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		미 확인
245	KOPRI-INV-AHN0245	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
246	KOPRI-INV-AHN0246	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Perkinsiana</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
247	KOPRI-INV-AHN0247	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Ammotea</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
248	KOPRI-INV-AHN0248	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Paraceradocus miersii</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
249	KOPRI-INV-AHN0249	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	Scale worms	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
250	KOPRI-INV-AHN0250	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
251	KOPRI-INV-AHN0251	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	<i>Tenuis microscopulata</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
252	KOPRI-INV-AHN0252	IN-YOUNG AHN	S.G. Ra, W.C. Jo	15 Jan. 2010	Gastropod	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
253	KOPRI-INV-AHN0253	IN-YOUNG AHN	H.W. MOON	16 Jan. 2010	<i>Halictystus antarcticus</i>	H.W. MOON	Penguin rookery			-1~2	5% Formalin

254	KOPRI-INV-AHN0254	IN-YOUNG AHN	H.W. MOON	16 Jan. 2010	Chitons	H.W. MOON	Penguin rookery	-1~2	70% ETOH
255	KOPRI-INV-AHN0255	IN-YOUNG AHN	H.W. MOON	16 Jan. 2010	Gastropod (<i>Pellilitorina p</i>	H.W. MOON	Penguin rookery	-1~2	100% ETOH
256	KOPRI-INV-AHN0256	IN-YOUNG AHN	H.W. MOON	16 Jan. 2010	Gastropod (<i>Pellilitorina p</i>	H.W. MOON	Penguin rookery	-1~2	100% ETOH
257	KOPRI-INV-AHN0257	IN-YOUNG AHN	H.W. MOON	16 Jan. 2010	Gastropod	H.W. MOON	Penguin rookery	-1~2	100% ETOH
258	KOPRI-INV-AHN0258	IN-YOUNG AHN	H.W. MOON	16 Jan. 2010	Bivalves	H.W. MOON	Penguin rookery	-1~2	70% ETOH
259	KOPRI-INV-AHN0259	IN-YOUNG AHN	H.W. MOON	16 Jan. 2010	Bivalves	H.W. MOON	Penguin rookery	-1~2	100% ETOH
260	KOPRI-INV-AHN0260	IN-YOUNG AHN	H.W. MOON	17 Jan. 2010	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery	-1~2	5% Formalin
261	KOPRI-INV-AHN0261	IN-YOUNG AHN	H.W. MOON	17 Jan. 2010	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery	-1~2	5% Formalin
262	KOPRI-INV-AHN0262	IN-YOUNG AHN	H.W. MOON	17 Jan. 2010	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery	-1~2	5% Formalin
263	KOPRI-INV-AHN0263	IN-YOUNG AHN	H.W. MOON	17 Jan. 2010	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery	-1~2	100% ETOH
264	KOPRI-INV-AHN0264	IN-YOUNG AHN	H.W. MOON	17 Jan. 2010	Gastropod	H.W. MOON	Penguin rookery	-1~2	70% ETOH
265	KOPRI-INV-AHN0265	IN-YOUNG AHN	H.W. MOON	17 Jan. 2010	Gastropod	H.W. MOON	Penguin rookery	-1~2	70% ETOH
266	KOPRI-INV-AHN0266	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Marseniopsis conica</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
267	KOPRI-INV-AHN0267	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Eubbranchus sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
268	KOPRI-INV-AHN0268	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Eubbranchus sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
269	KOPRI-INV-AHN0269	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
270	KOPRI-INV-AHN0270	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Scale worms	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
271	KOPRI-INV-AHN0271	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Scale worms	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
272	KOPRI-INV-AHN0272	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Thelepus sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
273	KOPRI-INV-AHN0273	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Aglaophamus sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
274	KOPRI-INV-AHN0274	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Nacella sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
275	KOPRI-INV-AHN0275	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Nacella sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
276	KOPRI-INV-AHN0276	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Chitons	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
277	KOPRI-INV-AHN0277	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Chitons	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
278	KOPRI-INV-AHN0278	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Amphipod	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
279	KOPRI-INV-AHN0279	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	gastropod-a (<i>M. antarctic</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
280	KOPRI-INV-AHN0280	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	gastropod-b	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
281	KOPRI-INV-AHN0281	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	gastropod-c (갈뽕족)	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
282	KOPRI-INV-AHN0282	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	gastropod-d (<i>Laevilacun</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
283	KOPRI-INV-AHN0283	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Limatula sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
284	KOPRI-INV-AHN0284	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Limatula sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
285	KOPRI-INV-AHN0285	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Latemulla elliptica</i> (Biva	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
286	KOPRI-INV-AHN0286	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Philobrya sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
287	KOPRI-INV-AHN0287	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Philobrya sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	100% ETOH
288	KOPRI-INV-AHN0288	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Bivalves-d (?) et al. Mollu	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
289	KOPRI-INV-AHN0289	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	brachiopod-3 species??	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH
290	KOPRI-INV-AHN0290	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Perkinsiana sp.</i>	H.W. MOON	Marian Cove 2	W 58 ° 46.851'	70% ETOH

291	KOPRI-INV-AHN0291	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Ascidians-3 species?	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
292	KOPRI-INV-AHN0292	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Siliquariidae et al.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
293	KOPRI-INV-AHN0293	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Lyrocteis flavopallidus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
294	KOPRI-INV-AHN0294	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Lyrocteis flavopallidus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	5% Formalin
295	KOPRI-INV-AHN0295	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Tenuis microspiculata</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
296	KOPRI-INV-AHN0296	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Holothuroidea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
297	KOPRI-INV-AHN0297	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Odontaster validus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
298	KOPRI-INV-AHN0298	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Odontaster meridionalis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
299	KOPRI-INV-AHN0299	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Asteroidea (sp.)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
300	KOPRI-INV-AHN0300	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Asteroidea(sp.)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
301	KOPRI-INV-AHN0301	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Perknotaster</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	FROZEN
302	KOPRI-INV-AHN0302	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Acodontaster conspicuus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
303	KOPRI-INV-AHN0303	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Macropytychaster</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
304	KOPRI-INV-AHN0304	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
305	KOPRI-INV-AHN0305	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
306	KOPRI-INV-AHN0306	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Tritonella belli</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
307	KOPRI-INV-AHN0307	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Tritonella belli</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
308	KOPRI-INV-AHN0308	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
309	KOPRI-INV-AHN0309	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Odontaster validus</i> (ty.al)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
310	KOPRI-INV-AHN0310	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Asteroidea (sp.)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
311	KOPRI-INV-AHN0311	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Cryptaster</i> sp.(ty.d)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
312	KOPRI-INV-AHN0312	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Cryptaster</i> sp.(ty.e)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-17
313	KOPRI-INV-AHN0313	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Thouarella(Thouarella)</i> d	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
314	KOPRI-INV-AHN0314	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Isopod (T. (Thouarella))</i> d	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35
315	KOPRI-INV-AHN0315	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Polychaeta (T. (Thouarella))</i> d	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35
316	KOPRI-INV-AHN0316	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
317	KOPRI-INV-AHN0317	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Malacobelemn non daytoni</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
318	KOPRI-INV-AHN0318	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Malacobelemn non daytoni</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-10~20
319	KOPRI-INV-AHN0319	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Malacobelemn non daytoni</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-10~20
320	KOPRI-INV-AHN0320	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Malacobelemn non daytoni</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-10~20
321	KOPRI-INV-AHN0321	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Ctenocidaris</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
322	KOPRI-INV-AHN0322	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Ctenocidaris</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
323	KOPRI-INV-AHN0323	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	golf ball ascidian	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
324	KOPRI-INV-AHN0324	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Ascidians	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
325	KOPRI-INV-AHN0325	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Ascidians2	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
326	KOPRI-INV-AHN0326	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Pareugyrioides arnbachka</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
327	KOPRI-INV-AHN0327	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Polyclimidae	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50

328	KOPRI-INV-AHN0328	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Antarctonemertes validum	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	5% Formalin
329	KOPRI-INV-AHN0329	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Holothuroidea	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
330	KOPRI-INV-AHN0330	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Amauropsis rossiana	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
331	KOPRI-INV-AHN0331	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Himantozoum antarcticum	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
332	KOPRI-INV-AHN0332	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Bryozoa- 2 species	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
333	KOPRI-INV-AHN0333	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	Laternulla elliptica	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
334	KOPRI-INV-AHN0334	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Parborlasia corrugatus	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	5% Formalin
335	KOPRI-INV-AHN0335	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Odontaster validus	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	70% ETOH
336	KOPRI-INV-AHN0336	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Laternulla elliptica	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	70% ETOH
337	KOPRI-INV-AHN0337	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Actiniidae	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	5% Formalin
338	KOPRI-INV-AHN0338	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Actiniidae	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	5% Formalin
339	KOPRI-INV-AHN0339	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Actiniidae	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	5% Formalin
340	KOPRI-INV-AHN0340	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Ascidians	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	100% ETOH
341	KOPRI-INV-AHN0341	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Bryozoa	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	70% ETOH
342	KOPRI-INV-AHN0342	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Sponge(spiky spongy)	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	70% ETOH
343	KOPRI-INV-AHN0343	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Parborlasia corrugatus	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
344	KOPRI-INV-AHN0344	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Sterechnius sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
345	KOPRI-INV-AHN0345	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Cryptaster sp. (ty.b/?/c/e)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
346	KOPRI-INV-AHN0346	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Cryptaster sp. (ty.b/?/c/e)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
347	KOPRI-INV-AHN0347	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Diplasterias sp.(D. brand)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
348	KOPRI-INV-AHN0348	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Odontaster meridionalis	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
349	KOPRI-INV-AHN0349	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Cuenotaster sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
350	KOPRI-INV-AHN0350	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Bryozoa	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
351	KOPRI-INV-AHN0351	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Pyura setosa	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
352	KOPRI-INV-AHN0352	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Ascidians (black)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
353	KOPRI-INV-AHN0353	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Ascidians	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
354	KOPRI-INV-AHN0354	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Onogorgia nodosa	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
355	KOPRI-INV-AHN0355	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Sea spider-2 species	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
356	KOPRI-INV-AHN0356	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Ophionotus sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50
357	KOPRI-INV-AHN0357	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Antarctonemertes validum	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
358	KOPRI-INV-AHN0358	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Gastropod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
359	KOPRI-INV-AHN0359	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Amphipod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
360	KOPRI-INV-AHN0360	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Serolis sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
361	KOPRI-INV-AHN0361	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010	Halicystus antarcticus	H.W. MOON	Penguin rookery	S 62° 14.276'	W 58 ° 42.885'	5% Formalin
362	KOPRI-INV-AHN0362	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010	Halicystus antarcticus	H.W. MOON	Penguin rookery	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
363	KOPRI-INV-AHN0363	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010	Halicystus antarcticus	H.W. MOON	Penguin rookery	S 62° 14.276'	W 58 ° 42.885'	5% Formalin
364	KOPRI-INV-AHN0364	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010	Halicystus antarcticus	H.W. MOON	Penguin rookery	S 62° 14.276'	W 58 ° 42.885'	5% Formalin

365	KOPRI-INV-AHN0365	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010	Bivalves (algae 7 부공생	H.W. MOON	Penguin rookery			100% ETOH
366	KOPRI-INV-AHN0366	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Asteroidea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
367	KOPRI-INV-AHN0367	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Asteroidea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
368	KOPRI-INV-AHN0368	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Sponge	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
369	KOPRI-INV-AHN0369	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Promachocinus sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
370	KOPRI-INV-AHN0370	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Euphausiacea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
371	KOPRI-INV-AHN0371	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Chitons	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
372	KOPRI-INV-AHN0372	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Scale worms	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
373	KOPRI-INV-AHN0373	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Polychaeta	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
374	KOPRI-INV-AHN0374	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010	Gastropod	H.W. MOON	Penguin Village			70% ETOH
375	KOPRI-INV-AHN0375	IN-YOUNG AHN	S.G. Ra, W.C. Jo	10 Jan. 2010	<i>Ceratoserolis trilobitoides</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	-12~15
376	KOPRI-INV-AHN0376	IN-YOUNG AHN	S.G. Ra, W.C. Jo	06 Jan. 2010	Perkinsiana sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
377	KOPRI-INV-AHN0377	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Jan. 2010	Salpa	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	5% Formalin
378	KOPRI-INV-AHN0378	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	<i>Laternula elliptica</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	100% ETOH
379	KOPRI-INV-AHN0379	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Nudibranchia	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
380	KOPRI-INV-AHN0380	IN-YOUNG AHN	S.G. Ra, W.C. Jo	25 Jan. 2010	Scale worms	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
381	KOPRI-INV-AHN0381	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010	Hydroids	H.W. MOON	Penguin Village			100% ETOH
382	KOPRI-INV-AHN0382	IN-YOUNG AHN	S.G. Ra, W.C. Jo	30 Jan. 2010		H.W. MOON	Penguin Village			100% ETOH
383	KOPRI-INV-AHN0383	IN-YOUNG AHN	H.W. MOON	17 Jan. 2010	Gastropod	H.W. MOON	Penguin Village			100% ETOH
384	KOPRI-INV-AHN0384	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	Clitoniae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-1~2
385	KOPRI-INV-AHN0385	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	Clitoniae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-1~2
386	KOPRI-INV-AHN0386	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Yoldia eightsi</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
387	KOPRI-INV-AHN0387	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Serolis</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-30~35
388	KOPRI-INV-AHN0388	IN-YOUNG AHN	H.D. Park	20 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-30~35
389	KOPRI-INV-AHN0389	IN-YOUNG AHN	H.D. Park	20 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-18~35
390	KOPRI-INV-AHN0390	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Ophionotus victoriae</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35
391	KOPRI-INV-AHN0391	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Ophionotus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35
392	KOPRI-INV-AHN0392	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Ophioparte gigas</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35
393	KOPRI-INV-AHN0393	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Ophionotus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35
394	KOPRI-INV-AHN0394	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Psilaster</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	23~30
395	KOPRI-INV-AHN0395	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Psilaster</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	23~30
396	KOPRI-INV-AHN0396	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
397	KOPRI-INV-AHN0397	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2010	Bryozoa et al.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	70% ETOH
398	KOPRI-INV-AHN0398	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Ophioparte gigas</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35
399	KOPRI-INV-AHN0399	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Ophioparte gigas</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35
400	KOPRI-INV-AHN0400	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Ophionotus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35
401	KOPRI-INV-AHN0401	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Ophionotus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~35

402	KOPRI-INV-AHN0402	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	Holothuroidea	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~34	100% ETOH
403	KOPRI-INV-AHN0403	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	Holothuroidea	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~34	100% ETOH
404	KOPRI-INV-AHN0404	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		100% ETOH
405	KOPRI-INV-AHN0405	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		100% ETOH
406	KOPRI-INV-AHN0406	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Paraceradocus miersii</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-10 0 1	100% ETOH
407	KOPRI-INV-AHN0407	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Flabelligera munda</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~30	100% ETOH
408	KOPRI-INV-AHN0408	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	Scale worms	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
409	KOPRI-INV-AHN0409	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	Polychaeta	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
410	KOPRI-INV-AHN0410	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-34	70% ETOH
411	KOPRI-INV-AHN0411	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	<i>Neobuccinum eatoni</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-20~30	70% ETOH
412	KOPRI-INV-AHN0412	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-32	70% ETOH
413	KOPRI-INV-AHN0413	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'		70% ETOH
414	KOPRI-INV-AHN0414	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Sea spider	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-3	70% ETOH
415	KOPRI-INV-AHN0415	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Amphipod	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-28	100% ETOH
416	KOPRI-INV-AHN0416	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Amphipod	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
417	KOPRI-INV-AHN0417	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Amphipod	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
418	KOPRI-INV-AHN0418	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Perknastr sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-25~30	100% ETOH
419	KOPRI-INV-AHN0419	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	<i>Laternula elliptica</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-20~30	100% ETOH
420	KOPRI-INV-AHN0420	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Sponge	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
421	KOPRI-INV-AHN0421	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Sponge	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
422	KOPRI-INV-AHN0422	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Bryozoa	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
423	KOPRI-INV-AHN0423	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Bryozoa	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
424	KOPRI-INV-AHN0424	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
425	KOPRI-INV-AHN0425	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
426	KOPRI-INV-AHN0426	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
427	KOPRI-INV-AHN0427	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
428	KOPRI-INV-AHN0428	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	<i>Perkinsiana</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
429	KOPRI-INV-AHN0429	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	<i>Perkinsiana</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
430	KOPRI-INV-AHN0430	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	<i>Lyrocoetes flavopallidus</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-35	5% Formalin
431	KOPRI-INV-AHN0431	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	Perknastr sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-25~30	70% ETOH
432	KOPRI-INV-AHN0432	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-20	70% ETOH
433	KOPRI-INV-AHN0433	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	<i>Serolis</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	25~27	100% ETOH
434	KOPRI-INV-AHN0434	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	Gastropod (<i>Margarella</i> x	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
435	KOPRI-INV-AHN0435	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	<i>Sterechnus</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-20~30	70% ETOH
436	KOPRI-INV-AHN0436	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	<i>Sterechnus</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-20~30	100% ETOH
437	KOPRI-INV-AHN0437	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2010	<i>Laternula elliptica</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		100% ETOH
438	KOPRI-INV-AHN0438	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Clitoniae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	1	5% For

439	KOPRI-INV-AHN0439	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	<i>Nacella</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-25	100% ETOH
440	KOPRI-INV-AHN0440	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Gastropod	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-25	70% ETOH
441	KOPRI-INV-AHN0441	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	<i>Serolis</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-25~27	70% ETOH
442	KOPRI-INV-AHN0442	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Ascidians	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-25	70% ETOH
443	KOPRI-INV-AHN0443	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Scale worms	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		100% ETOH
444	KOPRI-INV-AHN0444	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	<i>Perkinsiana</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
445	KOPRI-INV-AHN0445	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	<i>Perkinsiana</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
446	KOPRI-INV-AHN0446	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Diplasterias sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
447	KOPRI-INV-AHN0447	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Sponge	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
448	KOPRI-INV-AHN0448	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Bryozoa	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
449	KOPRI-INV-AHN0449	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Crustacea	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	70% ETOH
450	KOPRI-INV-AHN0450	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Crustacea	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30	100% ETOH
451	KOPRI-INV-AHN0451	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2010	Amphipod	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'		70% ETOH
452	KOPRI-INV-AHN0452	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	Clitellidae	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-1	100% ETOH
453	KOPRI-INV-AHN0453	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Laevitorina caliginosa</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-1	100% ETOH
454	KOPRI-INV-AHN0454	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	Actinidae	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-16~25	5% Formalin
455	KOPRI-INV-AHN0455	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Onogorhoa nodosa</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-30이상	70% ETOH
456	KOPRI-INV-AHN0456	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Sterechnus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-10~25	70% ETOH
457	KOPRI-INV-AHN0457	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
458	KOPRI-INV-AHN0458	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
459	KOPRI-INV-AHN0459	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		FROZEN
460	KOPRI-INV-AHN0460	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	Asteroida	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
461	KOPRI-INV-AHN0461	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
462	KOPRI-INV-AHN0462	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Philobrya</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
463	KOPRI-INV-AHN0463	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	Amphipod	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
464	KOPRI-INV-AHN0464	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
465	KOPRI-INV-AHN0465	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	Bryozoa	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
466	KOPRI-INV-AHN0466	IN-YOUNG AHN	S.G. Ra, K.Y. Song	08 Jan. 2011	Pareledone sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-20~25	70% ETOH
467	KOPRI-INV-AHN0467	IN-YOUNG AHN	S.G. Ra, K.Y. Song	08 Jan. 2011	Pareledone sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-20~25	100% ETOH
468	KOPRI-INV-AHN0468	IN-YOUNG AHN	S.G. Ra, K.Y. Song	08 Jan. 2011	Perknaster sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-13~17	FROZEN
469	KOPRI-INV-AHN0469	IN-YOUNG AHN	S.G. Ra, K.Y. Song	15 Jan. 2011	Gastropod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'		100% ETOH
470	KOPRI-INV-AHN0470	IN-YOUNG AHN	S.G. Ra, K.Y. Song	15 Jan. 2011	<i>Philobrya</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
471	KOPRI-INV-AHN0471	IN-YOUNG AHN	S.G. Ra, K.Y. Song	16 Jan. 2011	Gastropod	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-20	100% ETOH
472	KOPRI-INV-AHN0472	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	<i>Glyptonotus antarcticus</i>	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-15	100% ETOH
473	KOPRI-INV-AHN0473	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	<i>Glyptonotus antarcticus</i>	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-15	FROZEN
474	KOPRI-INV-AHN0474	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	gastropod-b	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	-10	100% ETOH
475	KOPRI-INV-AHN0475	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	<i>Urticinopsis antarctica</i>	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'		FROZEN

476	KOPRI-INV-AHN0476	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	Actiniidae 2	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	5% Formalin
477	KOPRI-INV-AHN0477	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	Actiniidae2	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	100% ETOH
478	KOPRI-INV-AHN0478	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	<i>Philine</i> sp.	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	100% ETOH
479	KOPRI-INV-AHN0479	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	<i>Sterechnus</i> sp.	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	-250 상
480	KOPRI-INV-AHN0480	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	Ascidians	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	-150 내
481	KOPRI-INV-AHN0481	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	Ascidians	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	-150 내
482	KOPRI-INV-AHN0482	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	Amphipod	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	-15
483	KOPRI-INV-AHN0483	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Jan. 2011	<i>Nacella concinna</i> , <i>Margal</i>	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	100% ETOH
484	KOPRI-INV-AHN0484	IN-YOUNG AHN	S.G. Ra, K.Y. Song	19 Jan. 2011	<i>Limatula</i> sp.	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	100% ETOH
485	KOPRI-INV-AHN0485	IN-YOUNG AHN	S.G. Ra, K.Y. Song	19 Jan. 2011	<i>Sterechnus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	미확인
486	KOPRI-INV-AHN0486	IN-YOUNG AHN	S.G. Ra, K.Y. Song	19 Jan. 2011	<i>Abatus</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	FROZEN
487	KOPRI-INV-AHN0487	IN-YOUNG AHN	S.G. Ra, K.Y. Song	19 Jan. 2011	Ascidians	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	100% ETOH
488	KOPRI-INV-AHN0488	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Jan. 2011	Amphipod	H.W. MOON	Collins Harbourn	S 62° 9.949'	W 58 ° 49.516'	100% ETOH
489	KOPRI-INV-AHN0489	IN-YOUNG AHN	S.G. Ra, K.Y. Song	21 Jan. 2011	<i>Ceratoserolis</i> sp.	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	-15
490	KOPRI-INV-AHN0490	IN-YOUNG AHN	S.G. Ra, K.Y. Song	21 Jan. 2011	<i>Ceratoserolis</i> sp.	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	-15
491	KOPRI-INV-AHN0491	IN-YOUNG AHN	S.G. Ra, K.Y. Song	21 Jan. 2011	<i>Malacobolemonn daytoni</i>	H.W. MOON	Potter Cove 2	S 62° 13.500'	W 58 ° 39.596'	-15
492	KOPRI-INV-AHN0492	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Jan. 2011	<i>Ongorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
493	KOPRI-INV-AHN0493	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Jan. 2011	Amphipod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
494	KOPRI-INV-AHN0494	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Jan. 2011	<i>Thouarella(Thouarella) a</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-45
495	KOPRI-INV-AHN0495	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Jan. 2011	Polychaeta	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-45
496	KOPRI-INV-AHN0496	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Bryozoa	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
497	KOPRI-INV-AHN0497	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Beania erecta</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
498	KOPRI-INV-AHN0498	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Beania erecta</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
499	KOPRI-INV-AHN0499	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Ascidians	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
500	KOPRI-INV-AHN0500	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Ascidians	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
501	KOPRI-INV-AHN0501	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Notatolana</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
502	KOPRI-INV-AHN0502	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Notatolana</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
503	KOPRI-INV-AHN0503	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Amphipod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
504	KOPRI-INV-AHN0504	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Amphipod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
505	KOPRI-INV-AHN0505	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Crustacea	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
506	KOPRI-INV-AHN0506	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Platyhelminthes	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
507	KOPRI-INV-AHN0507	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Hydroids	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-10~15
508	KOPRI-INV-AHN0508	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Thouarella(Thouarella) a</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-45
509	KOPRI-INV-AHN0509	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Polychaeta	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-45
510	KOPRI-INV-AHN0510	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Bryozoa	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	70% ETOH
511	KOPRI-INV-AHN0511	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Ophionotus</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40
512	KOPRI-INV-AHN0512	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Ophionotus</i> sp. 2	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-40

513	KOPRI-INV-AHN0513	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Notatolana</i> sp.	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
514	KOPRI-INV-AHN0514	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Sea spider	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
515	KOPRI-INV-AHN0515	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Gastropod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
516	KOPRI-INV-AHN0516	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	Amphipod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
517	KOPRI-INV-AHN0517	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Antarctonemertes validum</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	100% ETOH
518	KOPRI-INV-AHN0518	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Jan. 2011	<i>Thouarella(Thouarella) d</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	45
519	KOPRI-INV-AHN0519	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Jan. 2011	<i>Tenuis microspiculata</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35
520	KOPRI-INV-AHN0520	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Jan. 2011	<i>Malacobelemnnon daytoni</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-30
521	KOPRI-INV-AHN0521	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2011	Polychaeta	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
522	KOPRI-INV-AHN0522	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2011	Amphipod	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
523	KOPRI-INV-AHN0523	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2011	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	100% ETOH
524	KOPRI-INV-AHN0524	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	<i>Marseniopsis</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-30
525	KOPRI-INV-AHN0525	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	Sea spider	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	100% ETOH
526	KOPRI-INV-AHN0526	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	Sea spider	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	70% ETOH
527	KOPRI-INV-AHN0527	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35
528	KOPRI-INV-AHN0528	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	<i>Onogorgia nodosa</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35
529	KOPRI-INV-AHN0529	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	Asteroidea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-10
530	KOPRI-INV-AHN0530	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	Asteroidea	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-10
531	KOPRI-INV-AHN0531	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	Brachiopod	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
532	KOPRI-INV-AHN0532	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
533	KOPRI-INV-AHN0533	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	Ascidians	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
534	KOPRI-INV-AHN0534	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2011	<i>Doris kerguelensis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	100% ETOH
535	KOPRI-INV-AHN0535	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Jan. 2011	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin Village			5% Formalin
536	KOPRI-INV-AHN0536	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Jan. 2011	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin Village			5% Formalin
537	KOPRI-INV-AHN0537	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Jan. 2011	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin Village			70% ETOH
538	KOPRI-INV-AHN0538	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Jan. 2011	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin Village			100% ETOH
539	KOPRI-INV-AHN0539	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Dec. 2011	Ascidians	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	25-30
540	KOPRI-INV-AHN0540	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Dec. 2011	Actiniidae	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	25-30
541	KOPRI-INV-AHN0541	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Dec. 2011	Actiniidae	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	25-30
542	KOPRI-INV-AHN0542	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Dec. 2011	Actiniidae	H.W. MOON	Collins Harbour	S 62° 9.949'	W 58 ° 49.516'	25-30
543	KOPRI-INV-AHN0543	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2011	<i>Onogorgia nodosa</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35
544	KOPRI-INV-AHN0544	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2011	<i>Onogorgia nodosa</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35
545	KOPRI-INV-AHN0545	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2011	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35
546	KOPRI-INV-AHN0546	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2011	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35
547	KOPRI-INV-AHN0547	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin Village			5% Formalin
548	KOPRI-INV-AHN0548	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin Village			100% ETOH
549	KOPRI-INV-AHN0549	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	Bivalves	H.W. MOON	Penguin Village			70% ETOH

550	KOPRI-INV-AHN0550	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	Gastropod		H.W. MOON	Penguin Village		-1~2	70% ETOH
551	KOPRI-INV-AHN0551	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	Scale worms		H.W. MOON	Penguin Village		-1~2	70% ETOH
552	KOPRI-INV-AHN0552	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	<i>Halicystus antarcticus</i>		H.W. MOON	Penguin Village		-1~2	5% Formalin
553	KOPRI-INV-AHN0553	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	<i>Halicystus antarcticus</i>		H.W. MOON	Penguin Village		-1~2	5% Formalin
554	KOPRI-INV-AHN0554	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	<i>Halicystus antarcticus</i>		H.W. MOON	Penguin Village		-1~2	5% Formalin
555	KOPRI-INV-AHN0555	IN-YOUNG AHN	S.G. Ra, K.Y. Song	25 Dec. 2011	<i>Halicystus antarcticus</i>		H.W. MOON	Penguin Village		-1~2	5% Formalin
556	KOPRI-INV-AHN0556	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2011	Actiniidae		H.W. MOON	Marian Cove 1	W 58 ° 47.289'	-30	5% Formalin
557	KOPRI-INV-AHN0557	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Serolis</i> sp.		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	100% ETOH
558	KOPRI-INV-AHN0558	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Serolis</i> sp.		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	100% ETOH
559	KOPRI-INV-AHN0559	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Serolis</i> sp.		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	70% ETOH
560	KOPRI-INV-AHN0560	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Neobuccinum eatoni</i>		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	100% ETOH
561	KOPRI-INV-AHN0561	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Ceratoserolis</i> sp.		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	FROZEN
562	KOPRI-INV-AHN0562	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	Amphipoda (<i>O.nodosa</i>)		H.W. MOON	Potter Cove 1	W 58 ° 42.885'	-35	100% ETOH
563	KOPRI-INV-AHN0563	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Yoldia eightisi</i>		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	100% ETOH
564	KOPRI-INV-AHN0564	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	Scale worms		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	70% ETOH
565	KOPRI-INV-AHN0565	IN-YOUNG AHN	S.G. Ra, K.Y. Song	4 Jan. 2012	Amphipod		H.W. MOON	Marian Cove 1	W 58 ° 47.289'	-25	100% ETOH
566	KOPRI-INV-AHN0566	IN-YOUNG AHN	S.G. Ra, K.Y. Song	4 Jan. 2012	<i>Molgula pedunculata</i>		H.W. MOON	Marian Cove 1	W 58 ° 47.289'	-30	70% ETOH
567	KOPRI-INV-AHN0567	IN-YOUNG AHN	S.G. Ra, K.Y. Song	4 Jan. 2012	gastropod-b		H.W. MOON	Marian Cove 1	W 58 ° 47.289'	15-20	70% ETOH
568	KOPRI-INV-AHN0568	IN-YOUNG AHN	S.G. Ra, K.Y. Song	4 Jan. 2012	gastropod-b		H.W. MOON	Marian Cove 1	W 58 ° 47.289'	15-20	100% ETOH
569	KOPRI-INV-AHN0569	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Ceratoserolis</i> sp.		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	100% ETOH
570	KOPRI-INV-AHN0570	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Ceratoserolis</i> sp.		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	100% ETOH
571	KOPRI-INV-AHN0571	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	Ascidians et al.		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	70% ETOH
572	KOPRI-INV-AHN0572	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Malacobolemnion daytoni</i>		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-12	70% ETOH
573	KOPRI-INV-AHN0573	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	Octocorallia		H.W. MOON	Potter Cove 2	W 58 ° 39.596'	-21	70% ETOH
574	KOPRI-INV-AHN0574	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Thouarella(Thouarella) a</i>		H.W. MOON	Potter Cove 1	W 58 ° 42.885'	-35	70% ETOH
575	KOPRI-INV-AHN0575	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Onogorgia nodosa</i>		H.W. MOON	Potter Cove 1	W 58 ° 42.885'	-35	70% ETOH
576	KOPRI-INV-AHN0576	IN-YOUNG AHN	S.G. Ra, K.Y. Song	09 Jan. 2012	<i>Arntzia gracilis</i>		H.W. MOON	Marian Cove 2	W 58 ° 46.851'	-35	70% ETOH
577	KOPRI-INV-AHN0577	IN-YOUNG AHN	S.G. Ra, K.Y. Song	09 Jan. 2012	<i>Onogorgia nodosa</i>		H.W. MOON	Marian Cove 2	W 58 ° 46.851'	-35	70% ETOH
578	KOPRI-INV-AHN0578	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Jan. 2012	<i>Onogorgia nodosa</i>		H.W. MOON	Potter Cove 1	W 58 ° 42.885'	-35	70% ETOH
579	KOPRI-INV-AHN0579	IN-YOUNG AHN	S.G. Ra, K.Y. Song	21 Jan. 2012	<i>Arntzia gracilis</i>		H.W. MOON	Marian Cove 2	W 58 ° 46.851'	-35	70% ETOH
580	KOPRI-INV-AHN0580	IN-YOUNG AHN	S.G. Ra, K.Y. Song	21 Jan. 2012	<i>Arntzia gracilis</i>		H.W. MOON	Marian Cove 2	W 58 ° 46.851'	-35	FROZEN
581	KOPRI-INV-AHN0581	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	<i>Halicystus antarcticus</i>		H.W. MOON	Penguin rookery		-1~2	5% Formalin
582	KOPRI-INV-AHN0582	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	<i>Halicystus antarcticus</i>		H.W. MOON	Penguin rookery		-1~2	5% Formalin
583	KOPRI-INV-AHN0583	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	<i>Halicystus antarcticus</i>		H.W. MOON	Penguin rookery		-1~2	FROZEN
584	KOPRI-INV-AHN0584	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	amphipod		H.W. MOON	Penguin rookery		-1~2	FROZEN
585	KOPRI-INV-AHN0585	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	Gastropod		H.W. MOON	Penguin rookery		-1~2	100% ETOH
586	KOPRI-INV-AHN0586	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	Gastropod 2		H.W. MOON	Penguin rookery		-1~2	100% ETOH

587	KOPRI-INV-AHN0587	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	Bivalves	H.W. MOON	Penguin rookery		-1~2	100% ETOH
588	KOPRI-INV-AHN0588	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	Platyhelminthes	H.W. MOON	Penguin rookery		-1~2	100% ETOH
589	KOPRI-INV-AHN0589	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery		-1~2	5% Formalin
590	KOPRI-INV-AHN0590	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery		-1~2	5% Formalin
591	KOPRI-INV-AHN0591	IN-YOUNG AHN	W. MOON, D.G. L	24 Jan. 2012	Polychaeta & Platyhelmin	H.W. MOON	Penguin rookery		-1~2	100% ETOH
592	KOPRI-INV-AHN0592	IN-YOUNG AHN	W. MOON, S.W. L	24 Jan. 2012	Amphipod.1	H.W. MOON	Penguin rookery		-1~2	100% ETOH
593	KOPRI-INV-AHN0593	IN-YOUNG AHN	W. MOON, S.W. L	24 Jan. 2012	Amphipod.2	H.W. MOON	Penguin rookery		-1~2	100% ETOH
594	KOPRI-INV-AHN0594	IN-YOUNG AHN	W. MOON, S.W. L	24 Jan. 2012	Amphipod.3	H.W. MOON	Penguin rookery		-1~2	100% ETOH
595	KOPRI-INV-AHN0595	IN-YOUNG AHN	W. MOON, S.W. L	24 Jan. 2012	Amphipod.4	H.W. MOON	Penguin rookery		-1~2	100% ETOH
596	KOPRI-INV-AHN0596	IN-YOUNG AHN	W. MOON, S.W. L	24 Jan. 2012	Amphipod.5	H.W. MOON	Penguin rookery		-1~2	100% ETOH
597	KOPRI-INV-AHN0597	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2012	<i>Malacobolemnon daytoni</i>	H.W. MOON	Potter Cove 2	S 62° 13.350'	-12~15	70% ETOH
598	KOPRI-INV-AHN0598	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Polychaeta	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	70% ETOH
599	KOPRI-INV-AHN0599	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Polychaeta	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
600	KOPRI-INV-AHN0600	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Scale worms	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
601	KOPRI-INV-AHN0601	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Bivalves	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	70% ETOH
602	KOPRI-INV-AHN0602	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Bivalves	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
603	KOPRI-INV-AHN0603	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Worm	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	5% Formalin
604	KOPRI-INV-AHN0604	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012		H.W. MOON	Marian Cove 1	S 62° 13.350'		100% ETOH
605	KOPRI-INV-AHN0605	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	gastropod-b	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	70% ETOH
606	KOPRI-INV-AHN0606	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	gastropod-b	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
607	KOPRI-INV-AHN0607	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Siliquariidae (지렁이고둥)	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
608	KOPRI-INV-AHN0608	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	70% ETOH
609	KOPRI-INV-AHN0609	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
610	KOPRI-INV-AHN0610	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Isopod	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	70% ETOH
611	KOPRI-INV-AHN0611	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Isopod	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
612	KOPRI-INV-AHN0612	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Antarctonemertes validum</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	5% Formalin
613	KOPRI-INV-AHN0613	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Antarctonemertes validum</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
614	KOPRI-INV-AHN0614	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Worm	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	70% ETOH
615	KOPRI-INV-AHN0615	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Worm	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
616	KOPRI-INV-AHN0616	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Worm	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
617	KOPRI-INV-AHN0617	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	priapulans	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	5% Formalin
618	KOPRI-INV-AHN0618	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 1	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
619	KOPRI-INV-AHN0619	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 2	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
620	KOPRI-INV-AHN0620	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 3	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
621	KOPRI-INV-AHN0621	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 4	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
622	KOPRI-INV-AHN0622	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 5	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH
623	KOPRI-INV-AHN0623	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 6	H.W. MOON	Marian Cove 1	S 62° 13.350'	-25	100% ETOH

624	KOPRI-INV-AHN0624	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 7	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
625	KOPRI-INV-AHN0625	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 8	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
626	KOPRI-INV-AHN0626	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Cunaceans	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
627	KOPRI-INV-AHN0627	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Paraceradocus miersii</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
628	KOPRI-INV-AHN0628	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Amphipod 9	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
629	KOPRI-INV-AHN0629	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Eubranchius</i> sp.	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	5% Formalin
630	KOPRI-INV-AHN0630	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	5% Formalin
631	KOPRI-INV-AHN0631	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	worm(해마표면 비숫)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	5% Formalin
632	KOPRI-INV-AHN0632	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Worm	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
633	KOPRI-INV-AHN0633	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Ascidians 1	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	70% ETOH
634	KOPRI-INV-AHN0634	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Ascidians 1	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
635	KOPRI-INV-AHN0635	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Ascidians 2	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	70% ETOH
636	KOPRI-INV-AHN0636	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Ascidians 2	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
637	KOPRI-INV-AHN0637	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	Ascidians	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	70% ETOH
638	KOPRI-INV-AHN0638	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Charcotia granulosa</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	100% ETOH
639	KOPRI-INV-AHN0639	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2012	<i>Charcotia granulosa</i>	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-25	5% Formalin
640	KOPRI-INV-AHN0640	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Dec. 2012	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
641	KOPRI-INV-AHN0641	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Dec. 2012	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
642	KOPRI-INV-AHN0642	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Dec. 2012	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH
643	KOPRI-INV-AHN0643	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Dec. 2012	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH
644	KOPRI-INV-AHN0644	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Dec. 2012	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH
645	KOPRI-INV-AHN0645	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Dec. 2012	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
646	KOPRI-INV-AHN0646	IN-YOUNG AHN	S.G. Ra, K.Y. Song	24 Dec. 2012	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
647	KOPRI-INV-AHN0647	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
648	KOPRI-INV-AHN0648	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
649	KOPRI-INV-AHN0649	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
650	KOPRI-INV-AHN0650	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Dec. 2012	Amphipoda (<i>O.nodosa</i> 공)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
651	KOPRI-INV-AHN0651	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
652	KOPRI-INV-AHN0652	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
653	KOPRI-INV-AHN0653	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
654	KOPRI-INV-AHN0654	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
655	KOPRI-INV-AHN0655	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	Amphipoda (<i>O.nodosa</i> 공)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
656	KOPRI-INV-AHN0656	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
657	KOPRI-INV-AHN0657	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	Amphipoda (<i>O.nodosa</i> 공)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
658	KOPRI-INV-AHN0658	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Dec. 2012	<i>O. nodosa 유생</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
659	KOPRI-INV-AHN0659	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Dec. 2012	<i>T. (Thourarella) antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
660	KOPRI-INV-AHN0660	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Dec. 2012	<i>T. (Thourarella) antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	FROZEN

661	KOPRI-INV-AHN0661	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Dec. 2012	Polychaeta (<i>T. (Thourarella)</i>)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	FROZEN
662	KOPRI-INV-AHN0662	IN-YOUNG AHN	S.G. Ra, K.Y. Song	31 Dec. 2012	Isopod (<i>T. (Thourarella)</i>)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH
663	KOPRI-INV-AHN0663	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2013	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 12.560'	W 58 ° 45.450'	-30	70% ETOH
664	KOPRI-INV-AHN0664	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2013	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 12.560'	W 58 ° 45.450'	-30	70% ETOH
665	KOPRI-INV-AHN0665	IN-YOUNG AHN	S.G. Ra, K.Y. Song	08 Jan. 2013	<i>Antarcturus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH
666	KOPRI-INV-AHN0666	IN-YOUNG AHN	S.G. Ra, K.Y. Song	08 Jan. 2013	<i>T. (Thourarella)</i> sp. + 공생	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH
667	KOPRI-INV-AHN0667	IN-YOUNG AHN	S.G. Ra, K.Y. Song	08 Jan. 2013	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
668	KOPRI-INV-AHN0668	IN-YOUNG AHN	S.G. Ra, K.Y. Song	09 Jan. 2013	Scale worms	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-10	70% ETOH
669	KOPRI-INV-AHN0669	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
670	KOPRI-INV-AHN0670	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
671	KOPRI-INV-AHN0671	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
672	KOPRI-INV-AHN0672	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
673	KOPRI-INV-AHN0673	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
674	KOPRI-INV-AHN0674	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
675	KOPRI-INV-AHN0675	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	Amphipoda (<i>O.nodosa</i>) 공생	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
676	KOPRI-INV-AHN0676	IN-YOUNG AHN	S.G. Ra, K.Y. Song	16 Jan. 2013	<i>Fiabelligera munda</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-30	70% ETOH
677	KOPRI-INV-AHN0677	IN-YOUNG AHN	S.G. Ra, K.Y. Song	16 Jan. 2013	Ascidians	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-30	70% ETOH
678	KOPRI-INV-AHN0678	IN-YOUNG AHN	S.G. Ra, K.Y. Song	16 Jan. 2013	<i>Thelepus</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-30	70% ETOH
679	KOPRI-INV-AHN0679	IN-YOUNG AHN	J.H. Park	16 Jan. 2013	<i>H. antarcticus</i>	H.W. MOON	Penguin Village			-1	5% Formalin
680	KOPRI-INV-AHN0680	IN-YOUNG AHN	H.W. MOON	18 Jan. 2013	Cumacean et al. (sedimen)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-30	100% ETOH
681	KOPRI-INV-AHN0681	IN-YOUNG AHN	S.G. Ra, K.Y. Song	18 Jan. 2013	Scale worms	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-30	100% ETOH
682	KOPRI-INV-AHN0682	IN-YOUNG AHN	S.G. Ra, K.Y. Song	18 Jan. 2013	<i>Arntzia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
683	KOPRI-INV-AHN0683	IN-YOUNG AHN	S.G. Ra, K.Y. Song	18 Jan. 2013	clione	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-1	
684	KOPRI-INV-AHN0684	IN-YOUNG AHN	S.G. Ra, K.Y. Song	18 Jan. 2013	군부류	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-10	100% ETOH
685	KOPRI-INV-AHN0685	IN-YOUNG AHN	S.G. Ra, K.Y. Song	21 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	70% ETOH
686	KOPRI-INV-AHN0686	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	Amphipoda (<i>O.nodosa</i>) 공생	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
687	KOPRI-INV-AHN0687	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	Amphipoda (<i>O.nodosa</i>) 공생	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
688	KOPRI-INV-AHN0688	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	거미불가사리류(작)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-25	100% ETOH
689	KOPRI-INV-AHN0689	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	고동류	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-15	100% ETOH
690	KOPRI-INV-AHN0690	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	고동류	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-15	100% ETOH
691	KOPRI-INV-AHN0691	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	곤봉산호류	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-25	70% ETOH
692	KOPRI-INV-AHN0692	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
693	KOPRI-INV-AHN0693	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
694	KOPRI-INV-AHN0694	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	O. nodosa 유생	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
695	KOPRI-INV-AHN0695	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	이매패류	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-20	100% ETOH
696	KOPRI-INV-AHN0696	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	Isopod (serolis 외)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-20	100% ETOH
697	KOPRI-INV-AHN0697	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	Sea spider	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-20	100% ETOH

698	KOPRI-INV-AHN0698	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Amphipoda (algae 부착)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100% ETOH
699	KOPRI-INV-AHN0699	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Amphipoda	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100% ETOH
700	KOPRI-INV-AHN0700	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Polychaeta	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100% ETOH
701	KOPRI-INV-AHN0701	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Scale worms	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100% ETOH
702	KOPRI-INV-AHN0702	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Scale worms	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100% ETOH
703	KOPRI-INV-AHN0703	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Limatula sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100% ETOH
704	KOPRI-INV-AHN0704	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Gastropod-b	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100% ETOH
705	KOPRI-INV-AHN0705	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Bivalves	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH
706	KOPRI-INV-AHN0706	IN-YOUNG AHN	S.G. Ra, K.Y. Song	06 Feb. 2013	Sea spider	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
707	KOPRI-INV-AHN0707	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Gastropod-나선줄	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
708	KOPRI-INV-AHN0708	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Amphipoda (<i>O.nodosa</i> 공생)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
709	KOPRI-INV-AHN0709	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Amphipoda (<i>O.nodosa</i> 공생)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
710	KOPRI-INV-AHN0710	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Jan. 2013	Octocorallia	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-25	100% ETOH
711	KOPRI-INV-AHN0711	IN-YOUNG AHN	S.G. Ra, K.Y. Song	22 Jan. 2013	Amphipoda et al. (sediment)	H.W. MOON	Marian Cove 1	S 62° 13.350'	W 58 ° 47.289'	-35	100% ETOH
712	KOPRI-INV-AHN0712	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Jan. 2013	Amphipoda (<i>O.nodosa</i> 공생)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	100% ETOH
713	KOPRI-INV-AHN0713	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Dec. 2012	O. nodosa larvae	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	5% Formalin
714	KOPRI-INV-AHN0714	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Feb. 2013	Scale worms	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'		100% ETOH
715	KOPRI-INV-AHN0715	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Jan. 2013	Amphipoda (불가사리류)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'		100% ETOH
716	KOPRI-INV-AHN0716	IN-YOUNG AHN	S.G. Ra, K.Y. Song	17 Feb. 2013	<i>Tenuis microspiculata</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH
717	KOPRI-INV-AHN0717	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Dec. 2012	Isopod (<i>O.nodosa</i> 공생)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	100% ETOH
718	KOPRI-INV-AHN0718	IN-YOUNG AHN	S.G. Ra, K.Y. Song	09 Jan. 2013	Amphipoda (algae 부착)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-10	100% ETOH
719	KOPRI-INV-AHN0719	IN-YOUNG AHN	S.G. Ra, K.Y. Song	11 Jan. 2013	Isopoda (<i>O.nodosa</i> 공생)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
720	KOPRI-INV-AHN0720	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Jan. 2013	Isopod (<i>O.nodosa</i> 공생)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	100% ETOH
721	KOPRI-INV-AHN0721	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Jan. 2013	Octocorallia	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-25	70% ETOH
722	KOPRI-INV-AHN0722	IN-YOUNG AHN	S.G. Ra, K.Y. Song	27 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
723	KOPRI-INV-AHN0723	IN-YOUNG AHN	S.G. Ra, K.Y. Song	21 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH
724	KOPRI-INV-AHN0724	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	100% ETOH
725	KOPRI-INV-AHN0725	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	Amphipoda	J.H. Kim	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
726	KOPRI-INV-AHN0726	IN-YOUNG AHN	S.G. Ra, W.C. Jo	24 Dec. 2009	<i>Bovallia gigantea</i>	J.H. Kim	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
727	KOPRI-INV-AHN0727	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Paradexamine fissicanda</i>	J.H. Kim	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
728	KOPRI-INV-AHN0728	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Bovallia gigantea</i>	J.H. Kim	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
729	KOPRI-INV-AHN0729	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	<i>Jassa wandeli</i>	J.H. Kim	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
730	KOPRI-INV-AHN0730	IN-YOUNG AHN	S.G. Ra, W.C. Jo	18 Jan. 2010	Amphipoda	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		70% ETOH
731	KOPRI-INV-AHN0731	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Thouarella(Thouarella) a</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-50	70% ETOH
732	KOPRI-INV-AHN0732	IN-YOUNG AHN	S.G. Ra, W.C. Jo	19 Jan. 2010	<i>Nematoflustra flagellata</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'		70% ETOH
733	KOPRI-INV-AHN0733	IN-YOUNG AHN	S.G. Ra, K.Y. Song	28 Dec. 2010	<i>Laternula elliptica</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-20~30	100% ETOH
734	KOPRI-INV-AHN0734	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2011	<i>Abatus</i> sp. (brooding)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'		100% ETOH

735	KOPRI-INV-AHN0735	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2011	Amphipoda (Seawhip 공작)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH	
736	KOPRI-INV-AHN0736	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2011	Isopod (<i>O.nodosa</i> 공작)	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-35	100% ETOH	
737	KOPRI-INV-AHN0737	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	Amphipoda (<i>O.nodosa</i> 공작)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	100% ETOH	
738	KOPRI-INV-AHN0738	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	Amphipoda (<i>O.nodosa</i> 공작)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	100% ETOH	
739	KOPRI-INV-AHN0739	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2012	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	100% ETOH	
Sample No.	Specimen ID	IN-YOUNG AHN	Sampling divers	Sampling Date	Taxon (to be confirmed)	Classified by	Locality	Latitude	Longitude	Sampling depth	Preservation method	Photo No.(refer to 2013-14-TR-MC-KSS_AHN.zip)
740	KOPRI-INV-AHN0740	IN-YOUNG AHN	S.G. Ra, K.Y. Song	16 Feb. 2013	<i>Thelepus cincinnatus</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-25	70% ETOH	
741	KOPRI-INV-AHN0741	IN-YOUNG AHN	S.G. Ra, K.Y. Song	16 Feb. 2013	Isopod	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-15~20	100%ETOH	
742	KOPRI-INV-AHN0742	IN-YOUNG AHN	S.G. Ra, K.Y. Song	16 Dec. 2012	<i>Thelepus cincinnatus</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'		5% Formalin	
743	KOPRI-INV-AHN0743	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	<i>Triapulus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	5% Formalin	
744	KOPRI-INV-AHN0744	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	<i>Laternula elliptica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~20	100%ETOH	
745	KOPRI-INV-AHN0745	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Sponge	H.W. MOON	Great Wall			-8~10	70% ETOH	
746	KOPRI-INV-AHN0746	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Sponge	H.W. MOON	Great Wall			-8~10	70% ETOH	
747	KOPRI-INV-AHN0747	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Sponge	H.W. MOON	Great Wall			-8~10	100%ETOH	
748	KOPRI-INV-AHN0748	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Sponge	H.W. MOON	Great Wall			-8~10	100%ETOH	
749	KOPRI-INV-AHN0749	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2012	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery			-1~2	5% Formalin	
750	KOPRI-INV-AHN0750	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2012	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery			-1~2	5% Formalin	
751	KOPRI-INV-AHN0751	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2012	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery			-1~2	5% Formalin	
752	KOPRI-INV-AHN0752	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2012	<i>Halicystus antarcticus</i>	H.W. MOON	Penguin rookery			-1~2	5% Formalin	
753	KOPRI-INV-AHN0753	IN-YOUNG AHN	S.G. Ra, K.Y. Song	Jan. 2013	Ascidians	H.W. MOON	Penguin rookery			-1~2	70% ETOH	
754	KOPRI-INV-AHN0754	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Dec. 2012	Isopod (<i>O.nodosa</i> 공작)	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-35	100%ETOH	
755	KOPRI-INV-AHN0755	IN-YOUNG AHN	S.G. Ra, K.Y. Song	09 Jan. 2013	Polychaeta	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-10	70% ETOH	
756	KOPRI-INV-AHN0756	IN-YOUNG AHN	S.G. Ra, K.Y. Song	04 Feb. 2013	Sponge	H.W. MOON	Great Wall			-8~10	70% ETOH	
757	KOPRI-INV-AHN0757	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Feb. 2013	Sponge	H.W. MOON	Great Wall			-8~10	70% ETOH	
758	KOPRI-INV-AHN0758	IN-YOUNG AHN	S.G. Ra, K.Y. Song	14 Jan. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Potter Cove 1	S 62° 14.276'	W 58 ° 42.885'	-30	70% ETOH	
759	KOPRI-INV-AHN0759	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Porifera sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP3
760	KOPRI-INV-AHN0760	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Porifera sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP4
761	KOPRI-INV-AHN0761	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Porifera sp. 9	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP9
762	KOPRI-INV-AHN0762	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Porifera sp. 15	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP130

763	KOPRI-INV-AHN0763	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Porifera sp. 15	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP130
764	KOPRI-INV-AHN0764	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Porifera sp. 16	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP131
765	KOPRI-INV-AHN0765	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Porifera sp. 18	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP147
766	KOPRI-INV-AHN0766	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Artztia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP19
767	KOPRI-INV-AHN0767	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Artztia gracilis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP19
768	KOPRI-INV-AHN0768	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Onogorgia nodosa</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP20
769	KOPRI-INV-AHN0769	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Brachiopoda</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP34
770	KOPRI-INV-AHN0770	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>bivalves2</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP56
771	KOPRI-INV-AHN0771	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Marseniopsis</i> sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP118
772	KOPRI-INV-AHN0772	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Polychaeta</i> sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP67
773	KOPRI-INV-AHN0773	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Polychaeta</i> sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP67
774	KOPRI-INV-AHN0774	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ctenochorda</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP92
775	KOPRI-INV-AHN0775	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Asteroides</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP113
776	KOPRI-INV-AHN0776	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Asteroides</i> sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP132
777	KOPRI-INV-AHN0777	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Echinoides</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP141
778	KOPRI-INV-AHN0778	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP100
779	KOPRI-INV-AHN0779	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP100
780	KOPRI-INV-AHN0780	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP101
781	KOPRI-INV-AHN0781	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP101
782	KOPRI-INV-AHN0782	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP103
783	KOPRI-INV-AHN0783	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP104
784	KOPRI-INV-AHN0784	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP104
785	KOPRI-INV-AHN0785	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 12	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP111
786	KOPRI-INV-AHN0786	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 13	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP128
787	KOPRI-INV-AHN0787	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 14	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	70% ETOH	SP129
788	KOPRI-INV-AHN0788	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Porifera sp. 9	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP9
789	KOPRI-INV-AHN0789	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Porifera sp. 19	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP152
790	KOPRI-INV-AHN0790	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Porifera sp. 20	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP153
791	KOPRI-INV-AHN0791	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Porifera sp. 21	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP155
792	KOPRI-INV-AHN0792	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Hydrozoa sp. 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP25
793	KOPRI-INV-AHN0793	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Hydrozoa sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP151
794	KOPRI-INV-AHN0794	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Hydrozoa sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP151
795	KOPRI-INV-AHN0795	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Bryozoa sp. 11	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	70% ETOH	SP146
796	KOPRI-INV-AHN0796	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Porifera sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP2
797	KOPRI-INV-AHN0797	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Porifera sp. 11	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP11
798	KOPRI-INV-AHN0798	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Bryozoa sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP33
799	KOPRI-INV-AHN0799	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Bryozoa sp. 6	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP126
800	KOPRI-INV-AHN0800	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Bryozoa sp. 7	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP135
801	KOPRI-INV-AHN0801	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Bryozoa sp. 8	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP136
802	KOPRI-INV-AHN0802	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Bryozoa sp. 10	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP139
803	KOPRI-INV-AHN0803	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Bryozoa sp. 12	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP149
804	KOPRI-INV-AHN0804	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Sabellidae</i> sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP133
805	KOPRI-INV-AHN0805	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Sabellidae</i> sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP133
806	KOPRI-INV-AHN0806	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Ascidacea</i> sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP100
807	KOPRI-INV-AHN0807	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Ascidacea</i> sp. 1, 5, 14	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP100, 104, 129
808	KOPRI-INV-AHN0808	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	<i>Ascidacea</i> sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP100

809	KOPRI-INV-AHN0809	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Asciidiacea sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP101
810	KOPRI-INV-AHN0810	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciidiacea sp. 3	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP102
811	KOPRI-INV-AHN0811	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciidiacea sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP103
812	KOPRI-INV-AHN0812	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Asciidiacea sp. 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP104
813	KOPRI-INV-AHN0813	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciidiacea sp. 12	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP111
814	KOPRI-INV-AHN0814	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Asciidiacea sp. 13	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP128
815	KOPRI-INV-AHN0815	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Asciidiacea sp. 14	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	70% ETOH	SP129
816	KOPRI-INV-AHN0816	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Actiniidae 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP14
817	KOPRI-INV-AHN0817	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2014	Actiniidae 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP15
818	KOPRI-INV-AHN0818	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Actiniidae 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP16
819	KOPRI-INV-AHN0819	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Actiniidae 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP17
820	KOPRI-INV-AHN0820	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Actiniidae 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP125
821	KOPRI-INV-AHN0821	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Platyhelminthes sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP27
822	KOPRI-INV-AHN0822	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Nemertea sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP29
823	KOPRI-INV-AHN0823	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Nudibranchia 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP50
824	KOPRI-INV-AHN0824	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	worm	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	5% Formalin	SP116
825	KOPRI-INV-AHN0825	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Porifera sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP1
826	KOPRI-INV-AHN0826	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Porifera sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP4
827	KOPRI-INV-AHN0827	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Porifera sp. 15	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP130
828	KOPRI-INV-AHN0828	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Porifera sp. 17	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP140
829	KOPRI-INV-AHN0829	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Porifera sp. 18	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP147
830	KOPRI-INV-AHN0830	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Porifera spp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	
831	KOPRI-INV-AHN0831	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Actiniidae 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP14
832	KOPRI-INV-AHN0832	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Actiniidae 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP16
833	KOPRI-INV-AHN0833	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Hydrozoa sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP145
834	KOPRI-INV-AHN0834	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Brachiopoda sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP34
835	KOPRI-INV-AHN0835	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Brachiopoda sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP34
836	KOPRI-INV-AHN0836	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Bryozoa sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP30
837	KOPRI-INV-AHN0837	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Bryozoa sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP31
838	KOPRI-INV-AHN0838	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Bryozoa sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP33
839	KOPRI-INV-AHN0839	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Bryozoa sp. 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP117
840	KOPRI-INV-AHN0840	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Bryozoa sp. 11	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP146
841	KOPRI-INV-AHN0841	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Sipunculida sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP35
842	KOPRI-INV-AHN0842	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Sipunculida sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP35
843	KOPRI-INV-AHN0843	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Amphipoda sp. 12	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP143
844	KOPRI-INV-AHN0844	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Neobuccinum eatoni	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP39
845	KOPRI-INV-AHN0845	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Gastropoda 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP43
846	KOPRI-INV-AHN0846	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Gastropoda 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP43
847	KOPRI-INV-AHN0847	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Gastropoda 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP44
848	KOPRI-INV-AHN0848	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Nudibranchia sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP47
849	KOPRI-INV-AHN0849	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Nudibranchia 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP50
850	KOPRI-INV-AHN0850	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2014	<i>Limatula</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP52
851	KOPRI-INV-AHN0851	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Limatula</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP52
852	KOPRI-INV-AHN0852	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Philobrya</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP53
853	KOPRI-INV-AHN0853	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Philobrya</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP53
854	KOPRI-INV-AHN0854	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Yoldia</i> eightisi	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP54
855	KOPRI-INV-AHN0855	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Yoldia</i> eightisi	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100% ETOH	SP54

856	KOPRI-INV-AHN0856	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Polyplocophora sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP59
857	KOPRI-INV-AHN0857	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Polyplocophora sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP59
858	KOPRI-INV-AHN0858	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Gastropoda 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP114
859	KOPRI-INV-AHN0859	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Gastropoda 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP114
860	KOPRI-INV-AHN0860	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	bivalves3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP115
861	KOPRI-INV-AHN0861	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Marseniopsis sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP118
862	KOPRI-INV-AHN0862	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Gastropoda 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP127
863	KOPRI-INV-AHN0863	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Polynoidae sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP62
864	KOPRI-INV-AHN0864	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Sabellidae sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP65
865	KOPRI-INV-AHN0865	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Sabellidae sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP65
866	KOPRI-INV-AHN0866	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Polychaeta sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP67
867	KOPRI-INV-AHN0867	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Polynoidae sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP121
868	KOPRI-INV-AHN0868	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	worm	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP142
869	KOPRI-INV-AHN0869	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Serolis sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP69
870	KOPRI-INV-AHN0870	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Isopoda sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP73
871	KOPRI-INV-AHN0871	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP74
872	KOPRI-INV-AHN0872	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Amphipoda sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP74
873	KOPRI-INV-AHN0873	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP75
874	KOPRI-INV-AHN0874	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Amphipoda sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP75
875	KOPRI-INV-AHN0875	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2014	Amphipoda sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP76
876	KOPRI-INV-AHN0876	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Pycnogonida sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP80
877	KOPRI-INV-AHN0877	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Amphipoda sp. 7	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP120
878	KOPRI-INV-AHN0878	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Pycnogonida sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP122
879	KOPRI-INV-AHN0879	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Amphipoda sp. 8	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP123
880	KOPRI-INV-AHN0880	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Amphipoda sp. 9	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP124
881	KOPRI-INV-AHN0881	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Amphipoda sp. 9	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP124
882	KOPRI-INV-AHN0882	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda spp.1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
883	KOPRI-INV-AHN0883	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda spp.2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
884	KOPRI-INV-AHN0884	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda spp.3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
885	KOPRI-INV-AHN0885	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda spp.4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
886	KOPRI-INV-AHN0886	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda spp.5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
887	KOPRI-INV-AHN0887	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Amphipoda spp.6	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
888	KOPRI-INV-AHN0888	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Amphipoda spp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
889	KOPRI-INV-AHN0889	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Amphipoda spp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
890	KOPRI-INV-AHN0890	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Amphipoda spp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	
891	KOPRI-INV-AHN0891	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Psilaster sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP82
892	KOPRI-INV-AHN0892	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2014	<i>Porania antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP88
893	KOPRI-INV-AHN0893	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Cryptasterias sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP90
894	KOPRI-INV-AHN0894	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Labridae sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP91
895	KOPRI-INV-AHN0895	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Abatus sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP94
896	KOPRI-INV-AHN0896	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Holothuroidea sp. 1</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP95
897	KOPRI-INV-AHN0897	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Crinoidea sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP99
898	KOPRI-INV-AHN0898	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Asteroidea sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP113
899	KOPRI-INV-AHN0899	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Asteroidea sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP132
900	KOPRI-INV-AHN0900	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Echinoidea sp.</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP141
901	KOPRI-INV-AHN0901	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Ascidacea sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP100
902	KOPRI-INV-AHN0902	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Ascidacea sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	100%ETOH	SP101

903	KOPRI-INV-AHN0903	IN-YOUNG AHN	S.G. Ra, K.Y. Song	03 Jan. 2014	Asciidiacea sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP102
904	KOPRI-INV-AHN0904	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Asciidiacea sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP102
905	KOPRI-INV-AHN0905	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Asciidiacea sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP103
906	KOPRI-INV-AHN0906	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Asciidiacea sp. 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP104
907	KOPRI-INV-AHN0907	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Asciidiacea sp. 8	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP107
908	KOPRI-INV-AHN0908	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Asciidiacea sp. 12	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP111
909	KOPRI-INV-AHN0909	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Asciidiacea sp. 12	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP111
910	KOPRI-INV-AHN0910	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Asciidiacea sp. 14	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP129
911	KOPRI-INV-AHN0911	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Asciidiacea sp. 15	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP144
912	KOPRI-INV-AHN0912	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	worm	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP116
913	KOPRI-INV-AHN0913	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	worm	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	100%ETOH	SP116
914	KOPRI-INV-AHN0914	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Porifera sp. 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP1
915	KOPRI-INV-AHN0915	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Porifera sp. 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP2
916	KOPRI-INV-AHN0916	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Porifera sp. 5	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP5
917	KOPRI-INV-AHN0917	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Porifera sp. 9	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP9
918	KOPRI-INV-AHN0918	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Porifera sp. 11	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP11
919	KOPRI-INV-AHN0919	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Porifera sp. 15	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP130
920	KOPRI-INV-AHN0920	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Porifera sp. 15	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP130
921	KOPRI-INV-AHN0921	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Porifera sp. 19	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP152
922	KOPRI-INV-AHN0922	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Porifera sp. 20	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP153
923	KOPRI-INV-AHN0923	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Porifera sp. 21	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP155
924	KOPRI-INV-AHN0924	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Actiniidae 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP15
925	KOPRI-INV-AHN0925	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Hydrozoa sp. 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP25
926	KOPRI-INV-AHN0926	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Hydrozoa sp. 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP25
927	KOPRI-INV-AHN0927	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Hydrozoa sp. 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP145
928	KOPRI-INV-AHN0928	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Hydrozoa sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP151
929	KOPRI-INV-AHN0929	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Hydrozoa sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP151
930	KOPRI-INV-AHN0930	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Lyrocteis flavopallidus	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP26
931	KOPRI-INV-AHN0931	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Nemertea sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP29
932	KOPRI-INV-AHN0932	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Bryozoa sp. 11	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP146
933	KOPRI-INV-AHN0933	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Bryozoa sp. 12	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP149
934	KOPRI-INV-AHN0934	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Bryozoa sp. 12	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP149
935	KOPRI-INV-AHN0935	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Amphipoda sp. 12	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP143
936	KOPRI-INV-AHN0936	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Margarella antarctica	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP38
937	KOPRI-INV-AHN0937	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Yoldia eightisi	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP54
938	KOPRI-INV-AHN0938	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Gastropoda 5	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP127
939	KOPRI-INV-AHN0939	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Polyplacophora sp. 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP150
940	KOPRI-INV-AHN0940	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Gastropoda spp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP150
941	KOPRI-INV-AHN0941	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Polynoidae sp. 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP62
942	KOPRI-INV-AHN0942	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Flabelligera sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP63
943	KOPRI-INV-AHN0943	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Isopoda sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP73
944	KOPRI-INV-AHN0944	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-2	Amphipoda sp. 4	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP77

945	KOPRI-INV-AHN0945	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Pycnogonida sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP122
946	KOPRI-INV-AHN0946	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Pycnogonida sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP122
947	KOPRI-INV-AHN0947	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Isopoda sp. 4	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP154
948	KOPRI-INV-AHN0948	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Isopoda sp. 4	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP154
949	KOPRI-INV-AHN0949	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Amphipoda spp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	
950	KOPRI-INV-AHN0950	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Amphipoda spp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	
951	KOPRI-INV-AHN0951	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	Amphipoda spp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	
952	KOPRI-INV-AHN0952	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Diplasterias sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP85
953	KOPRI-INV-AHN0953	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Ascidacea sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP102
954	KOPRI-INV-AHN0954	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Ascidacea sp. 4	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP103
955	KOPRI-INV-AHN0955	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Ascidacea sp. 5	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP104
956	KOPRI-INV-AHN0956	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Ascidacea sp. 10	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	100%ETOH	SP109
957	KOPRI-INV-AHN0957	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Portifera sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP2
958	KOPRI-INV-AHN0958	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Actiniidae 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP15
959	KOPRI-INV-AHN0959	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Lyrocteis flavopallidus	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP26
960	KOPRI-INV-AHN0960	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Bryozoa sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP33
961	KOPRI-INV-AHN0961	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Bryozoa sp. 6	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP126
962	KOPRI-INV-AHN0962	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Bryozoa sp. 6	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP126
963	KOPRI-INV-AHN0963	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Bryozoa sp. 10	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP139
964	KOPRI-INV-AHN0964	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Bryozoa sp. 12	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP149
965	KOPRI-INV-AHN0965	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Nudibranchia sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP47
966	KOPRI-INV-AHN0966	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Gastropoda 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP114
967	KOPRI-INV-AHN0967	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Gastropoda 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP127
968	KOPRI-INV-AHN0968	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Gastropoda 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP127
969	KOPRI-INV-AHN0969	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Polylacophora sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP150
970	KOPRI-INV-AHN0970	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Polynoidae sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP62
971	KOPRI-INV-AHN0971	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Flabelligera sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP63
972	KOPRI-INV-AHN0972	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Terebellidae sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP64
973	KOPRI-INV-AHN0973	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Sabellidae sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP65
974	KOPRI-INV-AHN0974	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Sabellidae sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP133
975	KOPRI-INV-AHN0975	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Serolis sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP69
976	KOPRI-INV-AHN0976	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Serolis sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP69
977	KOPRI-INV-AHN0977	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Amphipoda sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP77
978	KOPRI-INV-AHN0978	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Amphipoda sp. 7	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP120
979	KOPRI-INV-AHN0979	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Amphipoda sp. 10	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP134
980	KOPRI-INV-AHN0980	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Amphipoda sp. 11	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP137
981	KOPRI-INV-AHN0981	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Amphipoda sp. 11	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP137
982	KOPRI-INV-AHN0982	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Amphipoda spp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	
983	KOPRI-INV-AHN0983	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Amphipoda spp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	
984	KOPRI-INV-AHN0984	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Krill	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	
985	KOPRI-INV-AHN0985	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Perknastr sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP83

986	KOPRI-INV-AHN0986	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Crinoidea sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP99
987	KOPRI-INV-AHN0987	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciadiacea sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP100
988	KOPRI-INV-AHN0988	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Asciadiacea sp. 3	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP102
989	KOPRI-INV-AHN0989	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Asciadiacea sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP103
990	KOPRI-INV-AHN0990	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Asciadiacea sp. 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP104
991	KOPRI-INV-AHN0991	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciadiacea sp. 10	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP109
992	KOPRI-INV-AHN0992	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Asciadiacea sp. 10	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP109
993	KOPRI-INV-AHN0993	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciadiacea sp. 12	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP111
994	KOPRI-INV-AHN0994	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Asciadiacea sp. 13	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP128
995	KOPRI-INV-AHN0995	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciadiacea sp. 14	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58 ° 44.075'	-15~35	100%ETOH	SP129
996	KOPRI-INV-AHN0996	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Portifera sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP2
997	KOPRI-INV-AHN0997	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Portifera sp. 3	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP3
998	KOPRI-INV-AHN0998	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Portifera sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP4
999	KOPRI-INV-AHN0999	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Portifera sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP4
1000	KOPRI-INV-AHN1000	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Portifera sp. 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP5
1001	KOPRI-INV-AHN1001	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Portifera sp. 15	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP130
1002	KOPRI-INV-AHN1002	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Portifera sp. 15	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP130
1003	KOPRI-INV-AHN1003	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Actiniidae 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP14
1004	KOPRI-INV-AHN1004	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Parborlasia corrugatus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP28
1005	KOPRI-INV-AHN1005	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Parborlasia corrugatus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP28
1006	KOPRI-INV-AHN1006	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Brachiopoda sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP34
1007	KOPRI-INV-AHN1007	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Bryozoa sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP31
1008	KOPRI-INV-AHN1008	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Bryozoa sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP33
1009	KOPRI-INV-AHN1009	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Nacella concinna</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP37
1010	KOPRI-INV-AHN1010	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Nacella concinna</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP37
1011	KOPRI-INV-AHN1011	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Margarella antarctica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP38
1012	KOPRI-INV-AHN1012	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Neobuccinum eatoni</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP39
1013	KOPRI-INV-AHN1013	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Neobuccinum eatoni</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP39
1014	KOPRI-INV-AHN1014	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Austrodoris kerguelensis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP46
1015	KOPRI-INV-AHN1015	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Latemula elliptica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP51
1016	KOPRI-INV-AHN1016	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Latemula elliptica</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP51
1017	KOPRI-INV-AHN1017	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Limatula</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP52
1018	KOPRI-INV-AHN1018	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Philobrya</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP53
1019	KOPRI-INV-AHN1019	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Philobrya</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP53
1020	KOPRI-INV-AHN1020	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	bivalves2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP56
1021	KOPRI-INV-AHN1021	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Polyplacophora</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP59
1022	KOPRI-INV-AHN1022	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Polynoidae</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP62
1023	KOPRI-INV-AHN1023	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Polynoidae</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP62
1024	KOPRI-INV-AHN1024	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Flabelligera</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP63
1025	KOPRI-INV-AHN1025	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Terebellidae</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP64
1026	KOPRI-INV-AHN1026	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Terebellidae</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP64

1027	KOPRI-INV-AHN1027	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	Polychaeta sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP67
1028	KOPRI-INV-AHN1028	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	Polychaeta sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP67
1029	KOPRI-INV-AHN1029	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Serolis</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP69
1030	KOPRI-INV-AHN1030	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Odontaster meridionalis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP86
1031	KOPRI-INV-AHN1031	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Odontaster meridionalis</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP86
1032	KOPRI-INV-AHN1032	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Odontaster validus</i>	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP87
1033	KOPRI-INV-AHN1033	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Cryptasterias</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP90
1034	KOPRI-INV-AHN1034	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Labidiaster</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP91
1035	KOPRI-INV-AHN1035	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ctenodictus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP92
1036	KOPRI-INV-AHN1036	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Sterechinus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP93
1037	KOPRI-INV-AHN1037	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Sterechinus</i> sp.	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP93
1038	KOPRI-INV-AHN1038	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Holothuroidea</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP95
1039	KOPRI-INV-AHN1039	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Ophiuroidea</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP97
1040	KOPRI-INV-AHN1040	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ophiuroidea</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP97
1041	KOPRI-INV-AHN1041	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Asteroidea</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP113
1042	KOPRI-INV-AHN1042	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 1	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP100
1043	KOPRI-INV-AHN1043	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP101
1044	KOPRI-INV-AHN1044	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 2	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP101
1045	KOPRI-INV-AHN1045	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP103
1046	KOPRI-INV-AHN1046	IN-YOUNG AHN	S.G. Ra, K.Y. Song	20 Dec. 2013	<i>Ascidacea</i> sp. 5	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP104
1047	KOPRI-INV-AHN1047	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	<i>Ascidacea</i> sp. 8	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP107
1048	KOPRI-INV-AHN1048	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 12	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP111
1049	KOPRI-INV-AHN1049	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 13	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP128
1050	KOPRI-INV-AHN1050	IN-YOUNG AHN	S.G. Ra, K.Y. Song	30 Dec. 2013	<i>Ascidacea</i> sp. 14	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58 ° 46.851'	-15~35	FROZEN	SP129
1051	KOPRI-INV-AHN1051	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Porifera</i> sp. 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP1
1052	KOPRI-INV-AHN1052	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Porifera</i> sp. 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP2
1053	KOPRI-INV-AHN1053	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Porifera</i> sp. 5	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP5
1054	KOPRI-INV-AHN1054	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Porifera</i> sp. 9	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP9
1055	KOPRI-INV-AHN1055	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Porifera</i> sp. 11	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP11
1056	KOPRI-INV-AHN1056	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Porifera</i> sp. 20	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP153
1057	KOPRI-INV-AHN1057	IN-YOUNG AHN	S.G. Ra, K.Y. Song	26 Jan. 2014	<i>Porifera</i> sp. 21	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP155
1058	KOPRI-INV-AHN1058	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Actiniidae</i> 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP15
1059	KOPRI-INV-AHN1059	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Hydrozoa</i> sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP151
1060	KOPRI-INV-AHN1060	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Bryozoa</i> sp. 10	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP139
1061	KOPRI-INV-AHN1061	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Bryozoa</i> sp. 11	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP146
1062	KOPRI-INV-AHN1062	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Bryozoa</i> sp. 11	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP146
1063	KOPRI-INV-AHN1063	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Austrodoris kerguelensis</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP46
1064	KOPRI-INV-AHN1064	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Sabellidae</i> sp. 1	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP65
1065	KOPRI-INV-AHN1065	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Glyptonotus antarcticus</i>	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP68
1066	KOPRI-INV-AHN1066	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Psilaster</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP82
1067	KOPRI-INV-AHN1067	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Diplasterias</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58 ° 44.314'	-15~35	FROZEN	SP85

1068	KOPRI-INV-AHN1068	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	<i>Sterechinus</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58° 44.314'	-15~35	FROZEN	SP93
1069	KOPRI-INV-AHN1069	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	<i>Sterechinus</i> sp.	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58° 44.314'	-15~35	FROZEN	SP93
1070	KOPRI-INV-AHN1070	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-22, 1-24	Asciadiacea sp. 2	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58° 44.314'	-15~35	FROZEN	SP101
1071	KOPRI-INV-AHN1071	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Asciadiacea sp. 3	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58° 44.314'	-15~35	FROZEN	SP102
1072	KOPRI-INV-AHN1072	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Asciadiacea sp. 12	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58° 44.314'	-15~35	FROZEN	SP111
1073	KOPRI-INV-AHN1073	IN-YOUNG AHN	S.G. Ra, K.Y. Song	2014-1-15, 1-21	Asciadiacea sp. 13	H.W. MOON	Marian Cove 3	S 62° 12.648'	W 58° 44.314'	-15~35	FROZEN	SP128
1074	KOPRI-INV-AHN1074	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Porifera sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP2
1075	KOPRI-INV-AHN1075	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Parborlasia corrugatus</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP28
1076	KOPRI-INV-AHN1076	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	<i>Parborlasia corrugatus</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP28
1077	KOPRI-INV-AHN1077	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Bryozoa sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP33
1078	KOPRI-INV-AHN1078	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Bryozoa sp. 6	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP126
1079	KOPRI-INV-AHN1079	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Bryozoa sp. 6	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP126
1081	KOPRI-INV-AHN1081	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	<i>Nacella concinna</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP37
1082	KOPRI-INV-AHN1082	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	<i>Margarella antarctica</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP38
1083	KOPRI-INV-AHN1083	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	<i>Margarella antarctica</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP38
1084	KOPRI-INV-AHN1084	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Neobuccinum eatoni</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP39
1085	KOPRI-INV-AHN1085	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	<i>Neobuccinum eatoni</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP39
1086	KOPRI-INV-AHN1086	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	<i>Latemula elliptica</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP51
1087	KOPRI-INV-AHN1087	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Gastropoda 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP114
1088	KOPRI-INV-AHN1088	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Gastropoda 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP127
1089	KOPRI-INV-AHN1089	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Gastropoda 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP127
1090	KOPRI-INV-AHN1090	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Polynoidae sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP62
1091	KOPRI-INV-AHN1091	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Polynoidae sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP62
1092	KOPRI-INV-AHN1092	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Flabelligera</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP63
1093	KOPRI-INV-AHN1093	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	<i>Flabelligera</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP63
1094	KOPRI-INV-AHN1094	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	<i>Flabelligera</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP63
1095	KOPRI-INV-AHN1095	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Terebellidae sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP64
1096	KOPRI-INV-AHN1096	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Terebellidae sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP64
1097	KOPRI-INV-AHN1097	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Terebellidae sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP64
1098	KOPRI-INV-AHN1098	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Sabellidae sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP133
1099	KOPRI-INV-AHN1099	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Sabellidae sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP133
1100	KOPRI-INV-AHN1100	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Serolis</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP69
1101	KOPRI-INV-AHN1101	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Amphipoda sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP77
1102	KOPRI-INV-AHN1102	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	<i>Psilaster</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP82
1103	KOPRI-INV-AHN1103	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Perknaster</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP83
1104	KOPRI-INV-AHN1104	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	<i>Perknaster</i> sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP83
1105	KOPRI-INV-AHN1105	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	<i>Odontaster validus</i>	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP87
1106	KOPRI-INV-AHN1106	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Ophiuroidea sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP97
1107	KOPRI-INV-AHN1107	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Crinoidea sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP99
1108	KOPRI-INV-AHN1108	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Crinoidea sp.	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP99
1109	KOPRI-INV-AHN1109	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Asciadiacea sp. 1	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP100

1110	KOPRI-INV-AHN1110	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Ascidacea sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP101
1111	KOPRI-INV-AHN1111	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Ascidacea sp. 3	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP102
1112	KOPRI-INV-AHN1112	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Ascidacea sp. 4	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP103
1113	KOPRI-INV-AHN1113	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Ascidacea sp. 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP104
1114	KOPRI-INV-AHN1114	IN-YOUNG AHN	S.G. Ra, K.Y. Song	29 Dec. 2013	Ascidacea sp. 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP104
1115	KOPRI-INV-AHN1115	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Ascidacea sp. 5	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP104
1116	KOPRI-INV-AHN1116	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Ascidacea sp. 10	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP109
1117	KOPRI-INV-AHN1117	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Ascidacea sp. 12	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP111
1118	KOPRI-INV-AHN1118	IN-YOUNG AHN	S.G. Ra, K.Y. Song	23 Dec. 2013	Ascidacea sp. 14	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP129
1119	KOPRI-INV-AHN1119	IN-YOUNG AHN	S.G. Ra, K.Y. Song	10 Dec. 2013	Porifera sp. 4	H.W. MOON	Marian Cove 2	S 62° 13.190'	W 58° 46.851'	-15~35	FROZEN	SP4
1120	KOPRI-INV-AHN1120	IN-YOUNG AHN	S.G. Ra, K.Y. Song	02 Jan. 2014	Porifera sp. 2	H.W. MOON	Marian Cove 4	S 62° 12.534'	W 58° 44.075'	-15~35	FROZEN	SP2

Integrative Taxonomy Validates Ascidians Species (Class: Ascidiacea) Native to the Southern Ocean, Antarctica

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Abstract

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Introduction

Antarctica is one of the most remote and pristine regions in the world. Most of the marine organism, particularly the sessile benthic fauna, makes up the majority of the Antarctic fauna (Clarke and Johnston 2003). Ascidiaceans are the most abundant benthic communities found below 20 m in the Southern Ocean (Tatián et al. 1998; Gutt et al. 2010). Due to their distribution in the isolated Antarctica, their susceptibility to any climate-induced changes is inevitably high. Physical disturbance from iceberg scouring and collapse may seriously crushed the bottom substrates and destroy benthic communities (Gutt et al. 2013; Moon et al. 2015). The sudden

43 increase of glacial melt water loaded with terrestrial sediments may also alter seabed
44 structure and composition, thus impacting the spatial distribution and biodiversity
45 level of shallow nearshore inhabitants such as ascidians (Pabis et al. 2011; Moon et al.
46 2015). With the rising extinction rates, relying solely on conventional taxonomy in
47 resolving species identification would be too late to discover unknown species before
48 they become extinct. Therefore, there is an urgent incentive to increase biological
49 monitoring by expediting species discovery for species remains to be identified.

50 Currently, out of 2,815 ascidian species from 26 families in the class of
51 Ascidiacea, only 107 Antarctic species have been recorded in the Ascidiacea World
52 Database (Shenkar and Swalla 2011). Recent phylogenomic study has indicated that
53 ascidians from the phylum Chordata, are invertebrates with the closest relationship to
54 vertebrates (Delsuc et al. 2006). In the Antarctica, 58% of ascidians species are solitary
55 and they are also claimed to be predominantly endemic to the Southern Hemisphere,
56 with modified morphological features and biological functions adapted to survive in
57 the harsh winter condition (Primo and Vazquez 2009). They have unique stalk
58 structure, which enables them to grow vertically on soft sediments (Tatian et al. 1998)
59 and also to improve their food captivity process (Gili et al. 2001).

60 Although ascidian species collected from the Antarctica continent have been
61 recorded since 1873 following several major expeditions which begun with the
62 “Challenger Expedition”, most specimens were only briefly described, hampering
63 routine scrutiny effort for most benthic taxonomist today. High morphological
64 variability in the shape, size and color caused by genetic characteristics and local
65 environmental conditions (Dias et al. 2009) makes species identification of ascidians
66 notoriously difficult. Lack of morphological details and synonymy in ascidians
67 species further complicates their identification process and hamper the expansion of
68 taxonomic knowledge and their biodiversity. Misidentification of ascidian species is
69 common as their classification are mostly based on inner morphological characters
70 such as gonad or gut loop shape and positions, and branchial sac structures (Monniot
71 et al. 1991; Mastrototaro and Dappiano 2008; Lambert 2009). In the case when
72 conventional morphological keys are not feasible enough for species identification,
73 DNA sequences offers a good complementary aid for morphological approach in
74 achieving high species discrimination accuracy (Geller et al. 2010). However, both
75 approaches need to be integrated and work hand in hand for modern taxonomy study.

76 The lack of reference sequence for Ascidians in the molecular repositories is
77 one of the biggest challenges in validating the species in our study. The severe lack
78 of molecular data for Antarctic benthic still continues today even though many
79 sequences for other Antarctic taxonomic groups have been generated as part of the
80 Census of Antarctic Marine Life (CAML) efforts (Grant et al. 2011; Dettai et al.
81 2011). Despite massive sampling expedition, the availability of sequences for marine
82 invertebrates remains scarce in the public domain since 2009 (Grant and Linse 2009).
83 In fact, most of the deposited sequences were dominantly obtained from specimens
84 collected at restricted regions in the Southern Ocean, which include Antarctic
85 Peninsula, the Dumont D’Urville, Weddell and Ross seas. Therefore, development
86 and deposition of many reference sequences will be necessary before further routine
87 species identification can be conducted. Our study will be a pilot study, which
88 includes an extensive description of morphological features of Antarctic ascidians in
89 King Sejong station accompanied with DNA sequences comprised of three genes. We
90 have also highlighted the systematic position and dated the divergence times of each
91 studied species within the class of Ascidiacea. We aimed to fill up the taxonomic gaps,
92 by clarifying the taxonomic status and re-examine the morphological features in

specimens collected in this region, which eventually adds up to the list for the genetic inventory of the Southern Ocean.

Material and Methods

Sample Collection

Ascidians specimens were collected by SCUBA diving along transect lines spanning 15 to 30 m depths at three stations in Marian Cove (MC2, MC3 and MC4) from Dec. 9th 2013 till Jan 29th 2014. All the specimens were sorted out and photographed before fixation. For morphological identification, specimens were fixed in 4-5% formalin with seawater or preserved in the 100% ethanol. Tissue samples from each specimen were also preserved in absolute ethanol for molecular genetic analysis. Voucher specimens for all species in this study are held in the Korean Polar Research Institute (KOPRI), University of Science and Technology, Incheon, Korea (**Table 1**).

Morphological Study

DNA extraction, amplification and sequencing

Total genomic DNA was isolated from tissue samples using QIAamp® DNA Mini and Blood kit (QIAGEN, CA, USA) according to the manufacturer's protocols, but with slight modification. Targeted genes were amplified using primer pairs listed in **Table S1**. Polymerase chain reactions were performed in a total mixture volume of 20 µl containing 1x PCR Buffer (Takara Bio Inc.), 2.5mM MgCl₂, 1mM of each dNTP, 5pmol of each primer, 5U of Taq Polymerase (2.5 U of Taq Polymerase for cytochrome oxidase I) and 100 ng template DNA. Thermal cycler conditions for each gene were as follows: **18S rDNA**, initial denaturation at 94 °C for 2 min, 35 cycles of 94 °C for 45 s, 53 °C for 50 s, 72 °C for 55 s, followed by a final extension step at 72 °C for 7 min; **16S rDNA**, initial denaturation at 94 °C for 2 min, 35 cycles of 94 °C for 30 s, 50 °C for 30 s, 72 °C for 1 min, followed by a final extension step at 72 °C for 7 min; **COI**, 35 cycles of 95 °C for 1 min, 49 °C for 1 min, 72 °C for 1 min 30s and ended with an elongation step of 72 °C for 7 min. PCR amplicons were gel purified using Wizard® SV Gel and PCR Clean-Up System (Promega BioSciences, LLC, USA). Purified PCR products were sequenced bi-directionally on an ABI Prism 3700 automated sequencer using commercial service of macrogen (Seoul, Korea).

Molecular Phylogenetic Analysis

All sequences were manually assembled and trimmed using CodonCode Aligner (CodonCode Corporation, USA) and SeqMan Pro (DNASTAR, Inc., USA). The edited sequences were the first set of sequences representing all the species submitted to GenBank. The accession numbers of all new sequences generated in this study is listed in **Table 1**. Additional sequences retrieved from GenBank for other genera were also used to generate consensus sequence representing each species for phylogenetic reconstruction (**Table S2**). Due to absence of geological calibration point information related with ascidians, we have adopted Bayesian approach using a generalized clock to estimate time of divergence for the Antarctica specimens. Following jModelTest

2.1.3 (Darriba et al. 2012), HKY model of sequence evolution was selected for subsequent times of divergence estimation. We used an uncorrelated lognormal relaxed molecular clock model (standard deviation of the uncorrelated lognormal molecular clock rate for both partitions >1.0) and a Yule tree prior. Two runs, consisting of 20,000,000 generations each and sampling every 1,000 generations, were performed using BEAST version 1.8.2 (Drummond et al. 2012). Estimated times to the most recent common ancestor (MRCA) was assessed from both runs using Tracer 1.6 (Drummond et al. 2012) as mean values in million years (Ma) with 95% highest and lowest posterior density intervals (HPD). A maximum credibility tree with annotated node ages was calculated with TreeAnnotator v 1.8.2 (part of the BEAST package) and visualized using FIGTREE v. 1.4.2 (Rambaut 2014).

Result

Morphological Study

Taxonomy
Etymology
Holotype
Diagnosis
Description
Distribution and habitat
Remarks
Ecological notes

Species Delimitation

Our sequence showed no match with any of the neither 18S rDNA reference sequence in GenBank nor BOLD sequences. These discrepancies are largely due to the absence of sequence data for our targeted species.

Discussion

Currently, there are four *Corella* species found in the Antarctic: *Corella antarctica* (Sluiter 1905), *C. eumyota*, *C. dohrni* and *C. benedeni* (Van Beneden and de Selys Longchamps 1913). Due to their similar morphological features, their synonymy leads to imprecise species identification. In fact, *Corella antarctica* Sluiter (1905) has long been considered a junior synonym to *C. eumyota*. Therefore, the high similarity (99%) for COI sequences for both of these species should be anticipated given that the morphological characters traditionally used to identify the *C. eumyota* is unable to accurately delimitate this species from its congeners. The vague morphological keys fail to adequately differentiate both species, which led to the taxonomic confusion presented here.

Whilst barcoding work is technically straightforward for most taxa groups, this is not always the case for less well-studied taxa. Acquisition of sequences becomes the first hindrance even multiple pairs of primers have been used. Technical problems arose from amplifying and sequencing COI such as in some species in our

study for both COI and 16S rDNA genes have proven the difficulty of using molecular data alone to delimitate ascidians species. Most of the sequences deposited for ascidians is of non-COI data and from the nuclear region, 18S rDNA. The same result has also been observed in larger barcoding project in which only a minority of collected ascidian species was successfully barcoded (Dettai et al. 2011). Monniot et al. (2011) indicated that composition biases and poly-Ts in a number of species have intensified the difficulty of COI sequencing. Besides, the fast-evolving nature of ascidians has also increased the challenges in retrieving reliable amplified sequences which further complicates the usage of molecular characters to infer their evolutionary relationship (Delsuc et al. 2006; Rubinstein et al. 2013).

The presence of cryptic species was reported to be common features for many Antarctica marine taxa. Molecular techniques have discovered high numbers of morphologically indistinguishable species with deep intra-specific divergence (Allcock et al. 1997; Linse et al. 2007; Wilson et al. 2007; Hunter and Halanych 2008; Krabbe et al. 2010; Brandão et al. 2010). The high intra-specific diversity for the same species in XXXX, suggested the presence of cryptic species in XXXX within this region as previously documented for *Pyura bouventensis* (Dettai et al. 2011) and *Limacina helicina* (Hunt et al. 2010). Larger amount of specimens need to be investigated to assess intra-specific variation.

While the sequences from our study represents only a few specimens from a small region in the Southern Ocean, the integrated conventional and molecular taxonomy could serve as useful reference for population and other evolutionary related studies. Besides elucidating the taxonomy, these data offers the most optimal way in recording and protecting the ascidians biodiversity in the Antarctic, including many more species that are yet to be discovered.

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 350 lineages and absence of panmixia in the “circumpolar” crinoid *Promachocrinus*
 351 *kerguelensis* from the Atlantic sector of Antarctica. *Marine Biology*, 152(4), 895-904.

Table 1 List of specimens included in this study

Species	Specimen ID	SITE	Latitude	Longitude	GenBank Accession Number		
					18S	COI	16S
<i>Corella antarctica</i>	KOPRI-INV-AHN0905a	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0905b	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0989	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0954	MC3	62.2108	58.7385			
<i>Molgula pedunculata</i>	KOPRI-INV-AHN0901	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0987	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0903	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0904	MC2	62.2198	58.7808			
<i>Pyura bouvetensis</i>	KOPRI-INV-AHN0988	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0902	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0906	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0955	MC3	62.2108	58.7385			
<i>Pyura setosa</i>	KOPRI-INV-AHN0990a	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0990b	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0990c	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0909	MC2	62.2198	58.7808			
<i>Tylobranchion speciosum</i>	KOPRI-INV-AHN0994a	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0994b	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0907	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0956	MC3	62.2108	58.7385			
<i>Ascidia challengerii</i>	KOPRI-INV-AHN0991	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0992	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0910a	MC2	62.2198	58.7808			
	KOPRI-INV-AHN0910b	MC2	62.2198	58.7808			
<i>Ascidacea spp.</i>	KOPRI-INV-AHN0995	MC4	62.2089	58.7346			
	KOPRI-INV-AHN0911	MC2	62.2198	58.7808			

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Table 2 Summary of species identification based 18S rDNA, cytochrome oxidase subunit I (COI) and 16S rDNA genes against reference sequences in GenBank.

Species	Specimen ID		18S			COI			16S		
	BLAST SP ID	Max ID (100%)	E-value	BLAST SP ID	Max ID (100%)	E-value	BLAST SP ID	Max ID (100%)	E-value	BLAST SP ID	Max ID (100%)
<i>Corella antarctica</i>	KOPRI-INV-AHN0905a	99	0		84	4.00E-145	<i>Mesorhizobium ciceri</i>	96	0		
	KOPRI-INV-AHN0905b	99	0	<i>Chelyosoma siboja</i>	84	4.00E-145		96	0		
	KOPRI-INV-AHN0989	99	0		84	4.00E-145	<i>Thalassiosira oceanica</i>	99	0		
	KOPRI-INV-AHN0954	99	0		83	1.00E-139	<i>Mesorhizobium ciceri</i>	96	0		
<i>Molgula pedunculata</i>	KOPRI-INV-AHN0901	97	0				<i>Fucus vesiculosus</i>	79	7.00E-138		
	KOPRI-INV-AHN0987	97	0	<i>Molgula occidentalis</i>	99	0	<i>Polaribacter sp.</i>	95	0		
<i>Pyura bouvetensis</i>	KOPRI-INV-AHN0903	99	0	<i>Pyura dura</i>	76	7.00E-58					
	KOPRI-INV-AHN0904	98	0	<i>Molgula complanata</i>	88	0	<i>Invertebrate environmental sample</i>				
	KOPRI-INV-AHN0988	99	0	<i>Pyura dura</i>	75	4.00E-70					
	KOPRI-INV-AHN0902	99	0	<i>Philobrya wandelensis</i>	88	0	<i>Agrobacterium vitis</i>	95	0		
<i>Cnemidocarpa verrucosa</i>	KOPRI-INV-AHN0906	99	0		77	1.00E-95	<i>Rhizobium leguminosarum</i>	96	0		
	KOPRI-INV-AHN0955	99	0	<i>Polycarpa pomaria</i>	99	0					
	KOPRI-INV-AHN0990a	99	0		82	2.00E-159	<i>Ectocarpus siliculosus</i>	93	0		
	KOPRI-INV-AHN0990b	99	0	<i>Sellaphora laevisima</i>	78	5.00E-99					
	KOPRI-INV-AHN0990c	99	0	<i>Invertebrate environmental sample</i>	80	1.00E-141					
<i>Tylobranchion speciosum</i>	KOPRI-INV-AHN0909	86	0	<i>Phallusia nigra</i>							
<i>Ascidia challengerii</i>	KOPRI-INV-AHN0994a	99	0	<i>Ascidia ahodori</i>	97	6.00E-04					
	KOPRI-INV-AHN0994b	99	0	<i>Chelyosoma siboja</i>	75	2.00E-77	<i>Mesorhizobium ciceri</i>	96	0		
	KOPRI-INV-AHN0907	99	0	<i>Ascidia ahodori</i>							
	KOPRI-INV-AHN0956	99	0	<i>Distaplia dubia</i>							
<i>Ascidacea spp.</i>	KOPRI-INV-AHN0991	94	8.00E-80	<i>Molgula</i>							

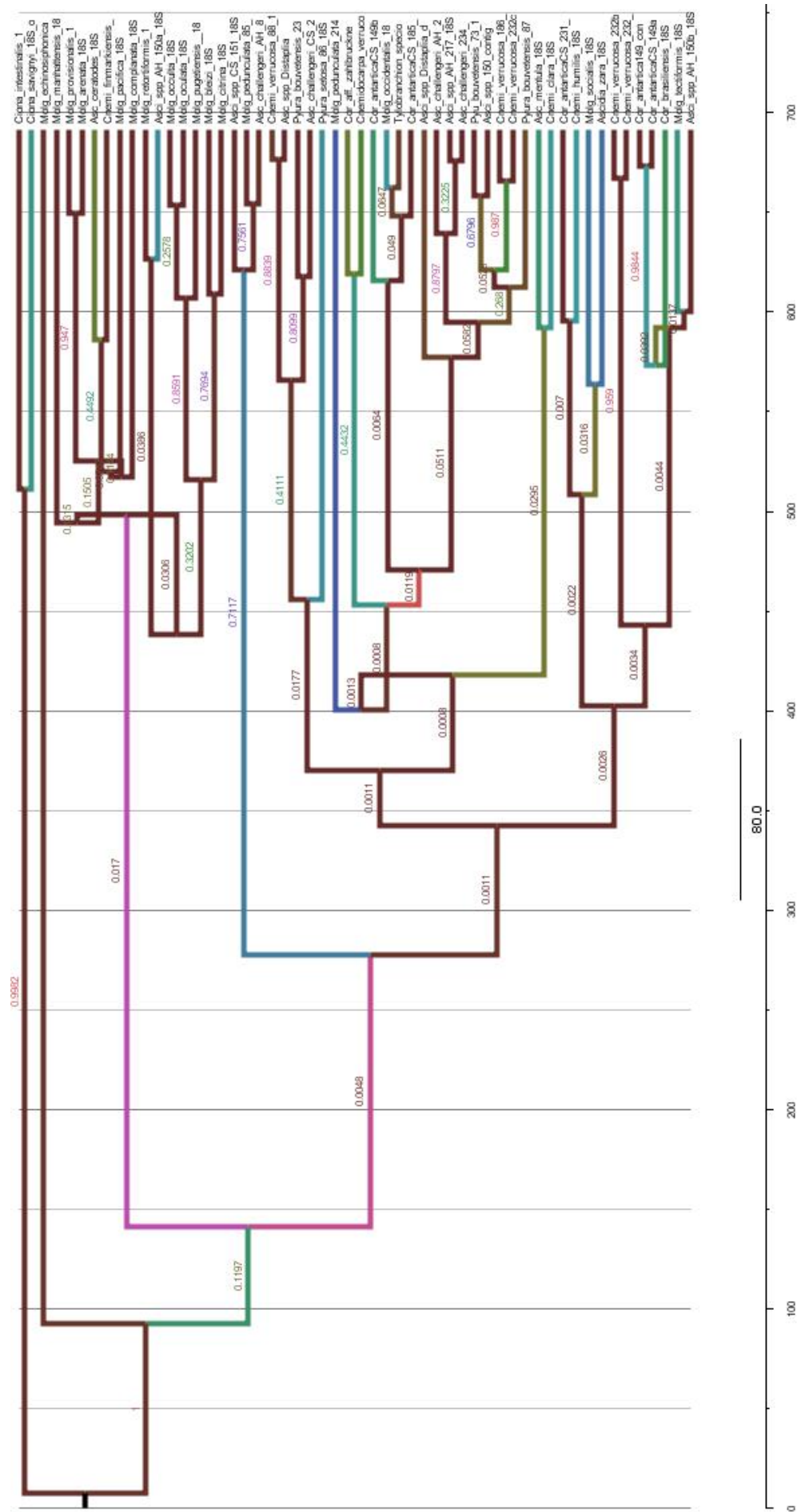


Figure 1 Bayesian maximum clade credibility tree of five families from the class Ascidiacea based on 18S rDNA gene estimated with Bayesian coalescent analysis in BEAST v 1.8.2. Values on the branch node represent posterior probabilities with values above 0.50. Black hexagons indicate fossil calibration points between outgroup species (*Ciona intestinalis* and *Ciona savignyi*). Accession numbers and species ID correspond to the list in **Table 1** and **Table S2**.

Table S1 Primers used for amplification and sequencing of the 18S rDNA, cytochrome oxidase subunit I (COI) and 16S rDNA genes

Gene	Primer Name	Sequence 5'-3'	Source
18S rDNA	18S-TF	F: AAA CGG CTA CCA CAT CCA AG	Carreras-Carbonell et al. (2005)
	18S-TR	R: AAC TAA GAA CGG CCA TGC AC	
Cytochrome oxidase subunit I (COI)	LCOI1490	F: GGT CAA CAA ATC ATA AAG ATA TTG G	Folmer et al. (1994)
	HCOI2198	R: TAA ACT TCA GGG TGA CCA AAA AAT CA	
16S rDNA	16Sar	F: CGC CTG TTT ATC AAA AAC AT	Palumbi (1996)
	16Sbr	R: CCG GTC TGA ACT CAG ATC ACG T	

389 **Table S2** Sequences of five families and outgroups of class Ascidiacea obtained from Genbank
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Species	Family	Accession Number	
		18S rDNA	COI
<i>Ascidia ahodori</i>	Ascidiidae		KJ725172.1 KF414704.1 AB104870.1
<i>Ascidia ceratodes</i>		KJ720729.1 L12378.2	
<i>Ascidia mentula</i>		U21670.1	
<i>Ascidia virginea</i>			KP842723.1 KJ725162.1 KF309647.1 AB794956.1-
<i>Ascidia zara</i>		AF165820.1 AJ250777.1	AB794961.1 AB610839.1
<i>Cnemidocarpa clara</i>		AJ250775.1	
<i>Cnemidocarpa finmarkiensis</i>		L12413.2	
<i>Cnemidocarpa humilis</i>		FM244859.1	
<i>Cnemidocarpa verrucosa</i>			AJ830012.1
<i>Corella aff. brasiliensis</i> RL-2014	Corellidae	KJ802431.1-KJ802430.1	
<i>Corella aff. zahlbruckneri</i> RL-2014		KJ780570.1 KJ802444.1	
<i>Corella brasiliensis</i>		KJ802432.1-KJ802443.1 KJ802428.1-KJ802429.1 KF443229.1	
<i>Corella eumyota</i>		FM244846.1	EU140805.1- EU140818.1
<i>Corella inflata</i>		AY903930.1	
<i>Corella japonica</i>		AF165822.1	
<i>Molgula arenata</i>	Molgulidae	AY903919.1	
<i>Molgula bleizi</i>		L12418.2	
<i>Molgula citrina</i>		HM807351.1 L12420.2	
<i>Molgula complanata</i>		L12422.2	
<i>Molgula echinosiphonica</i>		L12424.1	
<i>Molgula manhattensis</i>		AB921971.1-AB921975.1 JN573245.1-JN573260.1 HM574380.1-HM574388.1 EF035105.1 L12426.2	HM574345.1- HM574375.1 JQ742950.1-JQ742955.1
<i>Molgula occidentalis</i>		FM244850.1 L12428.1	
<i>Molgula occulta</i>		L12430.2	
<i>Molgula oculata</i>		L12432.2	
<i>Molgula pacifica</i>		AY040738.1	
<i>Molgula provisionalis</i>		HM574389.1	HM574376.1

		L12434.2	
<i>Molgula pugetiensis</i>		EF035106.1	
		AY903920.1	
<i>Molgula retortiformis</i>		AY903921.1	
			HM574377.1-
<i>Molgula socialis</i>		HM574390.1-HM574393.1	HM574379.1
		HM574390.1-HM574391.1	
		HM574393.1	
		L12436.1	
<i>Molgula tectiformis</i>		L12438.1	
<i>Pyura australis</i>	Pyuridae	FM897335.1-FM897336.1	FJ528616.1-FJ528617.1
			KC918366.1-
<i>Pyura chilensis</i>			KC918536.1
<i>Pyura dalbyi</i>		JF961823.1-JF961825.1	JF962208.1-JF962228.1
			FJ528618.1-FJ528619.1
			KC751899.1-
<i>Pyura doppelgangera</i>			KC751948.1
<i>Pyura dura</i>		FM244856.1	KF309596.1
		FM897337.1	
<i>Pyura gangelion</i>		FM244857.1	
<i>Pyura gibbosa</i>		FM897338.1	FJ528613.1-FJ528615.1
<i>Pyura haustor</i>		AY903926.1	
<i>Pyura herdmani</i>			JF961936.1-JF961847.1
			JF961792.1-JF961806.1
<i>Pyura mirabilis</i>		AF165828.1	
			DQ663771.1-
<i>Pyura praeputialis</i>			DQ663780.1
			FJ528624.1
			DQ658850.1
			FJ528621.1-FJ528623.1
			KC751895.1-
			KC751898.1
<i>Pyura spinifera</i>		FM897342.1	FJ528611.1-FJ528612.1
		JF961826.1	
<i>Pyura squamulosa</i>		FM897341.1	FJ528625.1
<i>Pyura stolonifera</i>		JF961787.1-JF961791.1	JF961827.1-JF961846.1
<i>Pyura vittata</i>		AJ250772.1	
<i>Ciona intestinalis</i>	Cionidae	JN573240.1-JN573244.1	KF597182.1-KF597195.1
		HM045491.1-HM045493.1	EF209056.1-EF209099.1
		HM045478.1-HM045488.1	EF471245.1-EF471254.1
			HM151199.1-
		AB013017.1	HM151249.1
			HM209056.1-
		AJ250778.1	HM209059.1
			HQ219608.1-
		HG005358.1	HQ219628.1
			HQ872423.1-
		XM_002129770.2	HQ872454.1
			JF919711.1-JF919715.1
			KF494354.1-KF494355.1

		KF309602.1-KF309604.1
		KF309613.1-KF309614.1
		KF309532.1
		KF309554.1
		KF309570.1
		KF309575.1
		KF309578.1
		KF309580.1
		KF309587.1
		KF309591.1
		KF309593.1
		KF309628.1
		KF309651.1
		KF309658.1
		KF309662.1
<i>Ciona savignyi</i>	AF165823.1	EF209106.1-EF209110.1
	HG005359.1	HM151256.1-
		HM151267.1
	HM045494.1	HM209060.1-
		HM209062.1
		JF919699.1-JF919710.1
		KF597196.1-KF597213.1

뒷 면

(국내 과제용)

주 의

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