Benthic Fauna ECC eDNA Matrix BSL Project 2305 Muir Mhór																				
Taxa	Phylum	MM_NEC_08_SWC_DNA	MM_NEC_02_SWC_DNA	MM_NEC_04_SWC_DNA	MM_NEC_06_SWC_DNA	MM_ECC_10_SEC_DNA	MM_ECC_28_SEC_DNA	MM_ECC_30_SEC_DNA	MM_ECC_32_SEC_DNA	MM_ECC_34_SEC_DNA	MM_ECC_36_SEC_DNA	MM_ECC_38_SEC_DNA	MM_ECC_12_SEC_DNA	MM_ECC_14_SEC_DNA	MM_ECC_16_SEC_DNA	MM_ECC_18_SEC_DNA	MM_ECC_20_SEC_DNA	MM_ECC_22_SEC_DNA	MM_ECC_24_SEC_DNA	MM_ECC_26_SEC_DNA
eDNA Taxa - Benthic Fauna 18S + CO1 Primers																				
Ampharetidae	Annelida																			12
Cirratulidae	Annelida			9																
Eumida ockelmanni	Annelida					24														
Galathowenia oculata	Annelida									42										
Galathowenia oculata	Annelida			19																
Galathowenia oculata	Annelida									373										
Glycinde armigera	Annelida																7			
Glycinde armigera	Annelida																17			
Glycinde armigera	Annelida					12	7225			23							1433			
Glycinde nordmanni	Annelida						3													
Glycinde nordmanni	Annelida																67			
Goniada maculata	Annelida																			2
Goniada maculata	Annelida																			13
Goniada maculata	Annelida																			1769
Hyalinoecia tubicola	Annelida											37								
Hyalinoecia tubicola	Annelida											43								
Lumbrineris latreilli	Annelida			1139																
Magelona minuta	Annelida													22						
Mystides caeca	Annelida					82														
Nereis zonata	Annelida													458						
Pholoe baltica	Annelida							17												
Pholoe baltica	Annelida							13											7	
Pholoe baltica	Annelida															26				
Pholoe baltica	Annelida							28			5									
Pholoe baltica	Annelida							94												
Pholoe baltica	Annelida							1154												
Pholoe baltica	Annelida					8					325		2			19		25	87	1211
Phyllodocidae	Annelida													1						
Phyllodocidae	Annelida													9						
Phyllodocidae	Annelida													114						
Phyllodocidae	Annelida													119						
Phyllodocidae	Annelida													125						
Phyllodocidae	Annelida																		331	
Phyllodocidae	Annelida																		391	
Pisione puzae	Annelida						339								139					
Pisione remota	Annelida														48					
Podarkeopsis helgolandicus	Annelida			11																
Polychaeta	Annelida												8							
Polycirrus eximius	Annelida											22			18					
Polynoidae	Annelida																	4		
Polynoidae	Annelida													16						
Polynoidae	Annelida			28																
Polynoidae	Annelida													38		25				
Polynoidae	Annelida																	165		
Pseudomystides limbata	Annelida													69						
Pseudomystides limbata	Annelida													5389						
Sabellaria alveolata	Annelida	36	64	23	243	2								24						
Sabellaria spinulosa	Annelida	24																		
Sabellaria spinulosa	Annelida					32														
Sabellaria spinulosa	Annelida					52														
Sabellaria spinulosa	Annelida					76														
Sabellaria spinulosa	Annelida			97																
Sabellaria spinulosa	Annelida					112														
Sphaerosyllis	Annelida									19			2							
Sthenelais limicola	Annelida								19											
Sthenelais limicola	Annelida							1236	964											
Trilobodrilus heideri	Annelida												3							
Trilobodrilus heideri	Annelida														88					
Balanus	Arthropoda				11															
Balanus crenatus	Arthropoda								12											
Balanus crenatus	Arthropoda					35														
Bulbamphiascus imus	Arthropoda			6																
Harpinia antennaria	Arthropoda																		16	
Nototropis vedlomensis	Arthropoda					3								34						
Verruca stroemia	Arthropoda	86																		
Oikopleura dioica	Chordata														83					
Pyura	Chordata													7235						
Stolidobranchia	Chordata													48						
Styelidae	Chordata								8											
Styelidae	Chordata								42											
Anthoathecata	Cnidaria													5						
Anthoathecata	Cnidaria	1				4								73	29					
Anthoathecata	Cnidaria							415	19	39	83			2	752	9	33	116	621	23
Hybocodon prolifer	Cnidaria	6																		
Hydrozoa	Cnidaria											18								
Amphiura filiformis	Echinodermata																	44		
Amphiura filiformis	Echinodermata																	123		
Amphiura filiformis	Echinodermata																	126		
Amphiura filiformis	Echinodermata																184			
Amphiura filiformis	Echinodermata																191			
Amphiura filiformis	Echinodermata										331									
Amphiura filiformis	Echinodermata														363					
Amphiura filiformis	Echinodermata																92			
Amphiura filiformis	Echinodermata																			131
Astropecten irregularis	Echinodermata										116									

Benthic Fauna ECC eDNA Matrix BSL Project 2305 Muir Mhór																				
Taxa	Phylum	MM_NEC_08_SWC_DNA	MM_NEC_02_SWC_DNA	MM_NEC_04_SWC_DNA	MM_NEC_06_SWC_DNA	MM_ECC_10_SEC_DNA	MM_ECC_28_SEC_DNA	MM_ECC_30_SEC_DNA	MM_ECC_32_SEC_DNA	MM_ECC_34_SEC_DNA	MM_ECC_36_SEC_DNA	MM_ECC_38_SEC_DNA	MM_ECC_12_SEC_DNA	MM_ECC_14_SEC_DNA	MM_ECC_16_SEC_DNA	MM_ECC_18_SEC_DNA	MM_ECC_20_SEC_DNA	MM_ECC_22_SEC_DNA	MM_ECC_24_SEC_DNA	MM_ECC_26_SEC_DNA
eDNA Taxa - Benthic Fauna 18S + CO1 Primers																				
Astropecten irregularis	Echinodermata																			178
Echinocardium cordatum	Echinodermata								155											
Echinocardium cordatum	Echinodermata															173				
Echinocardium cordatum	Echinodermata															25				
Echinocardium cordatum	Echinodermata															27				
Echinocardium cordatum	Echinodermata								215											
Echinocardium cordatum	Echinodermata															286				
Echinocardium cordatum	Echinodermata									21	226					89				
Echinocardium cordatum	Echinodermata					563														
Echinocardium cordatum	Echinodermata																623			
Echinocardium cordatum	Echinodermata										641									
Echinocardium cordatum	Echinodermata										861									
Echinocardium cordatum	Echinodermata															1223				
Echinocardium cordatum	Echinodermata										124									
Echinocardium cordatum	Echinodermata										1257									
Echinocardium cordatum	Echinodermata															1519				
Echinocardium cordatum	Echinodermata							1642												
Echinocardium cordatum	Echinodermata															1291	1111			
Echinocardium cordatum	Echinodermata										55					952		1837		
Echinocardium cordatum	Echinodermata																	389		
Echinocardium cordatum	Echinodermata							552								1	4768			
Echinocardium cordatum	Echinodermata					184		3329			1399			129		618				
Echinocardium cordatum	Echinodermata														16966					
Echinocardium cordatum	Echinodermata								2319			4698			3779	3681	2223	574	2563	
Echinocardium cordatum	Echinodermata					329		4897	15	58	3871	1921	46	1985		9167	16672	14614	4418	1613
Echinocardium flavescens	Echinodermata							61												
Echinocardium flavescens	Echinodermata							688	187	5	3163	257	1	294	56	148		159		581
Echinocyamus pusillus	Echinodermata																		1	
Echinocyamus pusillus	Echinodermata																	249		
Echinocyamus pusillus	Echinodermata									51								5587		
Echinocyamus pusillus	Echinodermata												115					3594	453	
Echinocyamus pusillus	Echinodermata					4867								81			2855			
Echinocyamus pusillus	Echinodermata					5645				53			66	179			1361	5193	4976	
Echinodermata	Echinodermata								5											
Echinodermata	Echinodermata							218												
Echinoidea	Echinodermata																		3	
Echinoidea	Echinodermata																		3	
Echinoidea	Echinodermata															4				
Echinoidea	Echinodermata																	8		
Echinoidea	Echinodermata							4		1					4				1	
Echinoidea	Echinodermata										3				2	5			3	4
Ophiuroidea	Echinodermata														3					
Ophiuroidea	Echinodermata														4					
Ophiuroidea	Echinodermata														13					
Ophiuroidea	Echinodermata														21					
Ophiuroidea	Echinodermata							27	5		63			59	57	45			22	
Spatangoida	Echinodermata														18					
Spatangoida	Echinodermata					1								53		11			18	
Spatangoida	Echinodermata															31				
Spatangoida	Echinodermata					111		639		285	139	28	299	142	4156	7733	391	892	924	478
Spatangus purpureus	Echinodermata						65													
Antalis entalis	Mollusca												17							
Bivalvia	Mollusca												8							
Bivalvia	Mollusca			32																
Bivalvia	Mollusca			73																
Carditida	Mollusca					21														
Carditida	Mollusca					29														
Carditida	Mollusca												31							
Carditida	Mollusca					1184							114							
Carditidae	Mollusca					859														
Dentaliidae	Mollusca																		16	
Embletonia pulchra	Mollusca								3											
Embletonia pulchra	Mollusca																			24
Embletonia pulchra	Mollusca	37																		
Euspira nitida	Mollusca					21														
Gastropoda	Mollusca												1							
Gastropoda	Mollusca												1							
Gastropoda	Mollusca					131														
Gastropoda	Mollusca				267	118							36		379					
Lepidopleurida	Mollusca													32						
Littorinimorpha	Mollusca				2															
Littorinimorpha	Mollusca												2	19						
Modiolus modiolus	Mollusca	15											541							
Mytilidae	Mollusca			82																
Mytilidae	Mollusca					169														
Nucula nucleus	Mollusca																			14
Nucula nucleus	Mollusca			236																
Nuculidae	Mollusca			21																
Nuculidae	Mollusca			77																
Nuculidae	Mollusca			8274																
Parvicardium pinnulatum	Mollusca																		11	
Tellinidae	Mollusca														113					
Veneridae	Mollusca															3				
Adenophorea	Nematoda																			2
Adenophorea	Nematoda															12				
Adenophorea	Nematoda												22							

Benthic Fauna ECC eDNA Matrix BSL Project 2305 Muir Mhór																				
Taxa	**Phylum**	**MM_NEC_08_SWC_DNA**	**MM_NEC_02_SWC_DNA**	**MM_NEC_04_SWC_DNA**	**MM_NEC_06_SWC_DNA**	**MM_ECC_10_SEC_DNA**	**MM_ECC_28_SEC_DNA**	**MM_ECC_30_SEC_DNA**	**MM_ECC_32_SEC_DNA**	**MM_ECC_34_SEC_DNA**	**MM_ECC_36_SEC_DNA**	**MM_ECC_38_SEC_DNA**	**MM_ECC_12_SEC_DNA**	**MM_ECC_14_SEC_DNA**	**MM_ECC_16_SEC_DNA**	**MM_ECC_18_SEC_DNA**	**MM_ECC_20_SEC_DNA**	**MM_ECC_22_SEC_DNA**	**MM_ECC_24_SEC_DNA**	**MM_ECC_26_SEC_DNA**
eDNA Taxa - Benthic Fauna 18S + CO1 Primers																				
Adenophorea	Nematoda										19	1								
Adenophorea	Nematoda											36								
Adenophorea	Nematoda	564		96													38			
Araeolaimida	Nematoda										32					7				
Bathylaimus assimilis	Nematoda	435																		
Bathylaimus assimilis	Nematoda			458																
Calomicrolaimus parahonestus	Nematoda														31					
Calomicrolaimus parahonestus	Nematoda				136									4		32				
Calyptronema maxweberi	Nematoda	55																		
Chromadoridae	Nematoda													7						
Chromadoridae	Nematoda																		12	
Chromadoridae	Nematoda			24																
Chromadoridae	Nematoda		27																	
Chromadoridae	Nematoda		34																	
Chromadoridae	Nematoda		7																	
Chromadoridae	Nematoda	6			39								63							
Chromadoridae	Nematoda		32					41			29	22						21		
Chromadoridae	Nematoda	19		7	36			19	13	32	11	87		3		98		42	11	82
Chromadorita	Nematoda	45																		
Chromadorita	Nematoda				125														36	
Chromadorita tentabundum	Nematoda																		232	
Daptonema	Nematoda															15				
Desmodorida	Nematoda		7																	
Desmodorida	Nematoda												119							
Desmodorida	Nematoda		386																	
Desmodoridae	Nematoda				1															
Desmodoridae	Nematoda								12											
Desmodoridae	Nematoda														23					
Desmodoridae	Nematoda		24																	
Desmodoridae	Nematoda														24					
Desmodoridae	Nematoda		3																	
Desmodoridae	Nematoda																		39	
Desmodoridae	Nematoda										19	3						12		13
Desmodoridae	Nematoda												14							
Desmodoridae	Nematoda		57																	
Desmodoridae	Nematoda		576																	
Draconema japonicum	Nematoda					85							31	137						
Enoplida	Nematoda			262																
Enoploides brunettii	Nematoda				121															
Monhysterida	Nematoda	7				1								4						
Monhysterida	Nematoda	3																		
Monhysterida	Nematoda		38																	
Monhysterida	Nematoda				54															
Nematoda	Nematoda		7																	
Setosabatieria hilarula	Nematoda																		14	
Spilophorella paradoxa	Nematoda	649																		
Lineidae	Nemertea							41												
Lineidae	Nemertea															229				5
Nemertopsis flavida	Nemertea																			1
Hymeraphia stellifera	Porifera					75														
Polymastia	Porifera												13							
Polymastiidae	Porifera					8														
Apionsoma murinae	Sipuncula	7																		
Apionsoma murinae	Sipuncula	1265																		
Sipuncula	Sipuncula	11																		
Sipuncula	Sipuncula	14																		