

Population	ID	Tub	Bucket	Wet Weight	Sampling Wt	Mortality	Date Sampled	Reproduc	Picture numl	Mantle	M_seq	Adduct Gill_RN#	C_seq	Gill_EtOH	Notes
BC	159	1A	?_BC3	11.4			9/12/2016	kinda							
BC	158	1A	?_BC3	10.9			9/12/2016	none							
BC	105	1B		10.6			9/12/2016	none							
BC	109	1B		18.9			9/12/2016	none							
BC	160	2A	?_BC2T	19.5			9/12/2016	none							A1
BC	161	2A	?_BC2T	14.7			9/12/2016	none							H2
BC	104	2B		12.7			9/12/2016	kinda							A5
BC	106	2B		11			9/12/2016	none							H6
BC	162	3A	BC1T	11.3			9/12/2016	none							A9
BC	163	3A	BC1T	12.3			9/12/2016	none							H10
BC	082	3B		10.3			9/12/2016	none							
BC	107	3B		14.4			9/12/2016	none							
BC	166	4A	BC1_T	11.3			9/12/2016	kinda							
BC	167	4A	BC1_T	13.2			9/12/2016	kinda							
BC	028	4B		12.7			9/12/2016	none							
BC	154	4B	BC1_T				9/12/2016	none							
CA	019W	1A	CA1T	4.6			9/12/2016	brooding							
CA	145W	1A	CA1_T	3.4			9/12/2016	none							
CA	092	1B	?_CA2T	5.9			9/12/2016	brooding							
CA	089	1B	?_CA2T	3.9			9/12/2016	kinda							
CA	002	2A		4.9			9/12/2016	ripe							E3
CA	010W	2A	CA4B	1.6			9/12/2016	ripe							D3
CA	095	2B		5.7			9/12/2016	kinda							E7
CA	094	2B		3.6			9/12/2016	ripe							D7
CA	165	3A	CA4B	1.5			9/12/2016	kinda							
CA	164	3A	CA4B	1.4			9/12/2016	ripe							
CA	073	3B		6.5			9/12/2016	kinda							
CA	153	3B	CA1_T				9/12/2016	kinda							
CA	097	4A		4.6			9/12/2016	ripe							
CA	098	4A		5.8			9/12/2016								
CA	035W	4B	CA2T	3.7			9/12/2016	kinda							
CA	155	4B	CA2_T	5.8			9/12/2016	ripe							had some marker on it
OR	157	1A	OR2B	4.3			9/12/2016	kinda							
OR	156	1A	OR2B	4.8			9/12/2016	none							
OR	152	1B	OR5B				9/12/2016	brooding							
OR	151	1B	OR5B				9/12/2016	none							
OR	078W	2A	OR2T	2.4			9/12/2016	kinda							C4
OR	132W	2A	OR1_T	did not weigh			9/12/2016	kinda							B4
OR	070	2B		2.6			9/12/2016	none							
OR	082W	2B	OR2T	2.2			9/12/2016	none							B8
OR	067W	3A	OR5B	5.3			9/12/2016	kinda							
OR	050W	3A	OR1T	4.9			9/12/2016								
OR	042	3B		6.2			9/12/2016	brooding							
OR	074W	3B	OR5B	2.3			9/12/2016	ripe							
OR	131W	4A	OR2_T	7.6			9/12/2016	none							
OR	134W	4A	OR2_T	2.3			9/12/2016	ripe							
OR	051W	4B	OR1T	3.3			9/12/2016	brooding							
OR	084W	4B	OR2T	5.4			9/12/2016	none							
BC	038	1A	?_BC3	14.3	14.2		10/5/2016	not record	9	11/6	24		11/6	24	
BC	059	1A	?_BC3	11.4	11.4		10/5/2016	ripe	10	11/11	318		11/6	24	
BC	114W	1A	BC2_T	10.8	11.8		10/5/2016	none	11						
BC	124W	1A	BC3_T	11.8	12.8		10/5/2016	none	12	11/6/2018?					
BC	090W	1B	BC1_T	12.7	14		10/5/2016	kinda	16	11/6	24		11/6	24,318	
BC	033	1B		14.1	15.2		10/5/2016	none	17	11/6	318		11/6	318	
BC	050	1B		6.5	6.4		10/5/2016	not record	18						
BC	115W	1B	BC2_T	9.2	10.4		10/5/2016	ripe	19	guess					
BC	097W	2A	BC1_T	9.8	10.6		10/5/2016	not record	33						G2
BC	113W	2A	BC2_T	15.2	15.8		10/5/2016	none	34						F2
BC	020	2A	?_BC2T	13.3	13.2		10/5/2016	none	35		10/18		2/24/18	318	E2
BC	100W	2A	BC1_T	12.3	14.4		10/5/2016	none	36						D2
BC	120W	2B	BC3_T	11.2	12.1		10/5/2016	none	41		10/18		2/24	318	G6
BC	109W	2B	BC2_T	8.7	9.9		10/5/2016	not record	42						F6
BC	126W	2B	BC3_T	12.9	13.8		10/5/2016	kinda	43						E6
BC	035	2B		17.2	17.2		10/5/2016	none	44						D6
BC	118W	3A	BC3T	9.8	10.6		10/5/2016	none	57	2/23	318		2/23	318	G10
BC	044	3A		14.2	14.1		10/5/2016	not record	58						F10
BC	101W	3A	BC1T	9.2	10.1		10/5/2016	none	59				11/6	318	E10
BC	089W	3A	BC1T	10.6	12.1		10/5/2016	none	60						D10
BC	123W	3B	BC3_T	12.9	13.6		10/5/2016	not record	61						
BC	139W	3B	BC2_T	12.7	13.7		10/5/2016	none	62	2/25	318		2/24	318	
BC	099W	3B	BC1_T	19.4	20.2		10/5/2016	kinda	63				2/25	318	
BC	019	3B		14.1	14.1		10/5/2016	none	64						
BC	075	4A		9.8	9.7		10/5/2016	none	77						
BC	094W	4A	BC1_T	16.1	16.8		10/5/2016	kinda	78						
BC	122W	4A	BC3_T	13.1	14.1		10/5/2016	none	79						
BC	116W	4A	BC3_T	7.4	8.2		10/5/2016	none	80						
BC	092W	4B	BC1_T	12.4	12.9		10/5/2016	ripe	93						
BC	071	4B		9.5	9.5		10/5/2016	not record	94						
BC	105W	4B	BC2_T	16.8	17.9		10/5/2016	none	95						
BC	054	4B		16.5	15.2		10/5/2016	not record	96						
CA	148W	1A	CA4_B	3.4	3.6		10/5/2016	ripe	5	11/6	318		11/6	24	
CA	009W	1A	CA4B	3.5	5		10/5/2016	none	6	11/6	24		11/6	24	
CA	029W	1A	CA2T	8.6	8.8		10/5/2016	ripe	7						
CA	143W	1A	CA1_T	4.7	5.9		10/5/2016	kinda	8						
CA	085	1B	?_CA2T	6.1	6.1		10/5/2016	kinda	13	2/24	318, failed, 10/1		11/6	24	
CA	027W	1B	CA2T	9.8	10.3		10/5/2016	none	14	11/6	24		11/6	24	Pic 16 is mystery
CA	018W	1B	CA1T	5	5.3		10/5/2016	none	15						

Population	ID	Tub	Bucket	Wet Weight	Sampling Wt	Mortality	Date Sampled	Reproduc	Picture num	Mantle	M_seq	Adduct	Gill_RN#	C_seq	Gill_EtOH	Notes
CA	007W	1B	CA4B	3.4	3.5		10/5/2016	kinda	20	guess						
CA	031W	2A	CA2T	3.7	4.1		10/5/2016	ripe	29		10/18		2/25	318		C3
CA	022W	2A	CA1T	2.6	3		10/5/2016	kinda	30							B3
CA	032W	2A	CA2T	2.9	3.1		10/5/2016	not recor	31							A3
CA	007	2A		5.2	5.1		10/5/2016	ripe	32							H4
CA	016W	2B	CA1T	7.3	7.8		10/5/2016	ripe	45		10/18		2/24	318		C7
CA	030W	2B	CA2T	4.9	5.3		10/5/2016	ripe	46							B7
CA	006	2B		2.5	2.5		10/5/2016	none	47							A7
CA	011W	2B	CA4B	4	4.3		10/5/2016	ripe	48							H8
CA	025W	3A	CA1T	2.9	3.3		10/5/2016	none	50							
CA	017W	3A	CA1T	7.4	9.1		10/5/2016	ripe	51				2/23	318		
CA	008W	3A	CA4B	3.1	3.1		10/5/2016		52	11/6	failed 318		2/23	318		
CA	009	3B		3.6	3.5		10/5/2016	none	65	11/6	318		11/6	318		
CA	003W	3B	CA4B	7.3	7.3		10/5/2016	none	67		10/18		2/25	318		
CA	012	3B		4.4	4.3		10/5/2016	not recor	68							
CA	032	4A		6.1	6		10/5/2016	kinda	73							
CA	028W	4A	CA2T	4.5	4.6		10/5/2016	none	74							
CA	020W	4A	CA1T	4.2	4.5		10/5/2016	not recor	75							
CA	065	4A		4.7	4.6		10/5/2016	ripe	76							
CA	000W	4B	CA4B	3.7	4.1		10/5/2016	none	89							
CA	068	4B		9.4	9.1		10/5/2016	ripe	90							
CA	013W	4B	CA1T	4.4	4.5		10/5/2016	none	91							
CA	012W	4B	CA1T	5.1	5.3		10/5/2016	ripe	92							
OR	043W	1A	OR1T	4.4	4.9		10/5/2016	ripe	1	11/6	24		11/6	24		tubes may be labelled as 043
OR	OR2B_F	1A	OR2B	3.6			10/5/2016	none	2							
OR	OR2B_C	1A	OR2B	3.8			10/5/2016	none	3							
OR	OR2B_H	1A	OR2B	4.2			10/5/2016	ripe	4	11/6	318		11/6	318		
OR	041W	1B	OR1T	15.3	15.8		10/5/2016	none	21	11/6/201	318		11/6	318		
OR	081W	1B	OR2T	3.2	4.4		10/5/2016	none	22							H1
OR	048W	1B	OR1T	4.6	5.3		10/5/2016	none	23							G1
OR	OR5B_mys	1B	OR5B	5.1	5.1		10/5/2016	not recor	24	11/11	318		11/11	318, failed		F1
OR	062W	2A	OR2B	3	4.2		10/5/2016	none	25							A4
OR	085W	2A	OR2T	4.8	5.6		10/5/2016	none	27							H5
OR	056W	2A	OR2B	8.2	9.1		10/5/2016	none	28		10/18		2/24	318		G5
OR	087W	2B	OR2T	3.3	3.7		10/5/2016	ripe	37		10/18		2/24	318		A8
OR	072W	2B	OR5B	5	6.8		10/5/2016	ripe	38							H9
OR	059W	2B	OR2B	4.6	5.5		10/5/2016	not recor	39							G9
OR	044W	2B	OR1T	6.4	7.2		10/5/2016	none	40							F9
OR	083W	3A	OR2T	5.4	6.6		10/5/2016	ripe	53							
OR	054W	3A	OR2B	6.5	7.9		10/5/2016	none	54	11/6	318		2/23	318		
OR	022	3A		2.5	2.5		10/5/2016	not recor	55							
OR	021	3A		5	4.9		10/5/2016	ripe	56				2/23	318		
OR	045W	3B	OR1T	5.4	5.8		10/5/2016	none	69	2/25	10/18		2/25	318		
OR	063W	3B	OR2B	1.9	3		10/5/2016	none	70							
OR	077W	3B	OR2T	9.4	10.7		10/5/2016	not recor	71				2/25	318		
OR	041	3B		4.9	4.8		10/5/2016	none	72							
OR	047W	4A	OR1T	5.1	5.6		10/5/2016	not recor	81							
OR	136W	4A	OR2_T	4.2	5		10/5/2016	none	82							
OR	064W	4A	OR2B	2.7	4		10/5/2016	none	83							
OR	046W	4A	OR1T	4.8	5.4		10/5/2016	none	84							
OR	133W	4B	OR2_T	5	5.5		10/5/2016	none	85							
OR	099	4B		3.7	3.6		10/5/2016	none	86							
OR	057W	4B	OR2B	6.3	6.8		10/5/2016	none	87							
OR	065W	4B	OR5B	6.7	8		10/5/2016	ripe	88							
BC	036	1A	?_BC3	19.4	19.1		11/21/2016	ripe	100	guess						
BC	112W	1A	BC2_T	8.9	9.5		11/21/2016		101	11/14	318		11/14	24		
BC	121W	1A	BC3_T	10.6	11.7		11/21/2016	ripe	102	11/14	10/18		11/14	318		
BC	037	1A	?_BC3	8.2	8.4		11/21/2016		103							
BC	103W	1A	BC2_T	13.8	14.6		11/21/2016		104							
BC	095W	1B	BC1_T	9.1	9.4		11/21/2016	unripe	139	11/15	318		11/15	318		
BC	119W	1B	BC3_T	8.3	8.9		11/21/2016	unripe	140							
BC	034	1B		13.2	14.2		11/21/2016		141	guess						
BC	040	1B		14.2	13.5		11/21/2016		142	11/15	318, 10/18		11/15	10/18		
BC	055	2A	?_BC2T	12.3	12.2		11/21/2016	ripe	115		10/18					C2
BC	098W	2A	BC1_T	11.6	10.6	11/21/201	11/21/2016	dead	116							B2
BC	016	2A	?_BC2T	11.5	11		11/21/2016		117	guess						A2
BC	096W	2B	BC1_T	12.9	13.5		11/21/2016		157				10/18			C6
BC	091W	2B	BC1_T	8.3	9		11/21/2016		158							B6
BC	114	2B		13.1	12.6		11/21/2016	kinda	159							A6
BC	112	2B		13.4	13.2		11/21/2016		160							H7
BC	113	2B		10.6	10.4		11/21/2016		161							G7
BC	129W	3A	BC3T	10.5	11.3		11/21/2016	ripe	125				2/25	318		C10
BC	128W	3A	BC3T	10.7	10.7		11/21/2016		126	guess	2/23	out of tissue	2/25	318		B10
BC	027	3A		11.1	11.1		11/21/2016	kinda	127	guess						A10
BC	110W	3B	BC2_t	9.3	10.1		11/21/2016	ripe	170	2/24/201	10/18		2/24	318		
BC	127W	3B	BC3_T	12.4	12.8		11/21/2016	kinda	171		10/18		2/24	318		
BC	051	4A		9.3	9		11/21/2016		134							
BC	117W	4A	BC3_T	6.9	8.1		11/21/2016	kinda	135							
BC	030	4A		9.5	9.1		11/21/2016		136							
BC	045	4A		11.6	11.6		11/21/2016		137	guess						
BC	BC1_mys	4A	BC1_T		11.4		11/21/2016	kinda	138	guess						
BC	053	4B		11.6	4.5		11/21/2016		175							
BC	125W	4B	BC3_T	10.2	10.9		11/21/2016	ripe	176							
BC	026	4B		10.5	10.1		11/21/2016	kinda	177	guess						
BC	108W	4B	BC2_T	10.1	10.6		11/21/2016		178							
BC	023	4B		18.9	18.6		11/21/2016	unripe	179	guess						
CA	015W	1A	CA1T	6.2	6		11/21/2016	ripe	105	guess	2/23/201	10/18		2/23	318	

Population	ID	Tub	Bucket	Wet Weight	Sampling Wt	Mortality (%)	Date Sampled	Reproduc	Picture num	Mantle	M_seq	Adduct Gill_RN/ C_seq	Gill_EtOH	Notes		
							A	B								
						BC		3	6							
						CA		6	2							
						OR		6	2							

Population	Treatment	Time Point	Trunk	Tube ID	Tissue	Well Position	PCR cycle	T index	T index pc	Qubit	U. for 400ng	uL H2O	Bioanalyzer	Sequencing	Date Extracted	Notes	qPCR	RFU	Cycle 50				
BC	Low pH	T1	B1	17	clonida	F2	16	7001 A1		687	4.61981015	0.3865888501											
CA	Low pH	T2	B3	143	manite	DS, 17, 13	17	7002 B1		73.6	5	0						2.22	20				
BC	Ambient	T1	A1	101	clonida	C5	16	7003 C1		120	3.33333333	1.666666667						2.25	3.36ng				
BC	Low pH	T2	B3	170	clonida	A7	16	7004 D1		110	3.63636364	1.363636364						2.24					
CR	Low pH	T2	B3	164	manite	H19, 17, 15	17	7005 E1		61.4	5	0						2.22	3.18ng				
BC	Ambient	T1	A1	10	manite	E1	16	7006 F1		177	2.35987006	2.740112994						11/11	234	18			
CR	Low pH	T2	A1	42	clonida	H5, 17, 3	16	7008 H1		474	3.9372222	3.69221422								244	20.5		
CR	Ambient	T1	A1	54	manite	H1	16	7009 H1		164	2.59140297	2.402591403				9.8		11/6					
CR	Ambient	T1	A2	28	clonida	D2	16	7009 A2		62	5	0						2.24	3.10ng	200.5	19		
CR	Low pH	T2	B3	163	clonida	B9	16	7010 B2		140	2.87142857	2.142857143						2/25					
CR	Low pH	T1	B1	24	manite	FS, 17, 9	17	7011 C2		193	2.07233886	2.92746114	9?					repeat, redo blank	11/11	X	244	20.5	
CA	Ambient	T2	A1	106	manite	B5	16	7012 B2		68.4	5	0						11/14	342 ng	X	222	19	
CR	Ambient	T2	A3	124	clonida	F7, 16, 2	16	7013 E2		77.2	5	0						2/23	C, 386ng	X	235	21.5	
CR	Low pH	T2	B1	147	clonida	D9	16	7014 F2		202	1.98919892	3.01989198						2/25					
BC	Ambient	T1	A3	57	clonida	C11	16	7015 C2		245	6.02653051	3.307344893						2/22					
CA	Low pH	T2	B1	145	clonida	EB	16	7016 H2		191	2.09424938	2.90575062						11/15					
BC	Low pH	T2	B1	139	manite	GB	16	7017 A3		168	2.38092381	2.619047619	B.9?					11/15					
CR	Low pH	T1	B3	71	clonida	A4	16	7018 B3		176	2.21212121	2.21212121						2/25					
CR	SN_31_FA				botnet	E30	16	7019 C3		116	3.63636364	1.363636364					5.9	FPPE Protocol		X	222	19	
CA	Ambient	T1	A1	4	clonida	E2	16	7020 D3		93	4.301075269	0.698247312						repeat					
CR	Ambient	T2	A1	98	clonida	H7	16	7021 E3		138	2.89692025	2.314464375						11/6/17					
CA	Low pH	T2	B1	143	clonida	D8	16	7022 G3		204	1.960784314	3.039215686						2/25					
BC	Low pH	T2	B3	171	clonida	H8	16	7024 H3		152	2.631578947	2.368421053						2/24					
CR	Ambient	T1	A3	58	clonida	B2	16	7025 A4		983	0.699691724	2.410344828						2/23					
BC	Low pH	T1	B3	63	clonida	C3	16	7026 B4		910	0.7943137255	4.215666275						2/24					
CR	Ambient	T2	A1	101	manite	H6, 17, 17	17	7027 C4		77.6	5	0						11/14	388ng	X	237.5	20	
CR	Ambient	T2	A1	97	manite	E7	17	7028 D4		68.2	4.073319756	0.626682444						11/14					
CR	Ambient	T2	A3	128	clonida	B6	16	7029 F4		284	3.30044216	1.630497363						2/25					
CA	Low pH	T1	B3	67	clonida	F4, 17, 8	17	7030 F4		144	2.77777778	2.22222222						2/25	C	X	202.5	20	
CA	Ambient	T2	A1	106	clonida	EB	16	7031 A5		162	2.469135803	2.530864198						11/14					
CR	Low pH	T1	B3	65	clonida	EA	16	7032 B5		178	2.254369572	2.762830129						9.8					
CA	Low pH	T2	B3	169	clonida	BB	16	7035 C5		215	3.89046116	3.139534884						2/24					
CR	Low pH	T2	B1	148	manite	AD, 19, 19	19	7036 D5		74.2	5	0	B.1?					11/15	C, 371ng	X	238.5	23.5	
CA	Low pH	T2	B3	168	clonida	AD	16	7037 E5		112	3.571428571	1.428571429						2/24					
BC	Low pH	T1	B2	41	clonida	E3	16	7038 F5		187	2.139337653	2.860662347						2/24					
CA	Ambient	T1	A2	35	clonida	H1, 17, 14	17	7041 A5		243	1.646090535	3.353909465						2/24			200	20	
CA	Low pH	T2	B1	145	manite	H9	16	7042 B6		133	3.007518797	1.992481203						11/15					
BC	Low pH	T2	B1	139	clonida	C1	16	7043 C5		87	4.597701469	0.622805568	B.3?					11/15					
CR	Ambient	T1	A3	54	clonida	C2, 15, 2	15	7044 D6		738	0.9420054201	4.457594458						2/23		X	226.5	18	
BC	Ambient	T1	A3	59	clonida	F1	16	7045 E6		153	2.614373085	2.385620915						11/6					
CA	Ambient	T1	A3	52	clonida	A1	16	7046 F6		73.1	5	0						2/23	C, 366 ng	X	227.5	19.5	
CA	Ambient	T1	A2	29	clonida	C1	16	7049 A7		144	2.77777778	2.22222222						2/25	18				
CA	Low pH	T1	B2	45	clonida	H4	16	7050 B7		229	1.746274691	3.253276109						2/24		X	235.5	19	
CA	Low pH	T1	B3	65	manite	DA, 17, 5	17	7051 C7		64.7	5	0						11/6	324ng	X	209.5	20	
CA	Low pH	T2	B3	166	manite	FS, 17, 10	17	7051 D7		86	4.65162791	0.3488372093						2/24			243	20.5	
CR	Ambient	T2	A1	99	clonida	G7	16	7053 E7		303	1.320132013	3.679877987						2/23					
CR	Low pH	T2	B3	163	clonida			7054 F7					repeat					2/25					
CA	Ambient	T2	A1	105	clonida	FB	16	7057 A8		358	1.17318436	3.828391564						2/23					
BC	Low pH	T2	B1	142	manite	FB	16	7058 B8		144	2.77777778	2.22222222						11/15					
CR	Low pH	T1	B3	69	manite	EB, 16, 1	16	7059 C8		71.3	5	0						2/25	357ng	X	203.5	22	
CA	Ambient	T2	A2	115	clonida	D6	16	7060 D8		123	3.2503252	1.74796748						2/23					
CR	Low pH	T2	B1	147	manite	F10	16	7061 E8		266	1.93793939	3.492460607						2/25					
CR	Low pH	T1	B1	21	manite	GB, 17, 12	17	7062 F8		274	1.459854015	3.540145985						11/11	C	X	225	20	
CR	Low pH	T1	B3	69	clonida	H5, 17, 16	17	7065 A9		64.6	5	0						2/25	323 ng	X	218	21	
CA	Ambient	T1	A3	51	clonida	B1	16	7066 B9		64.6	5	0						2/23	C, 323 ng	X	233	19	
CA	Low pH	T2	B2	153	clonida	CB	16	7067 C9		429	0.932409324	4.067990606						2/24					
CR	Ambient	T2	A1	98	manite	D7	16	7068 D9		275	1.454545455	3.545454545						11/14					
CA	Low pH	T1	B1	13	manite	EA, 17, 6	17	7069 E9		64.3	5	0						2/24	322ng	X	232	20	
CR	Ambient	T1	A1	4	manite	A2, 15, 1	15	7071 A10		74.5	5	0						11/6/17	373ng	X	226.5	18	
CR	Low pH	T1	B1	21	clonida	C4	16	7074 B10		265	1.509433662	3.490566338						11/6					
CA	Ambient	T2	A3	119	clonida	CA	16	7075 C10		263	1.520912548	3.479087453						2/25					
BC	Ambient	T2	A3	125	clonida	BB	16	7076 D10		418	0.954563979	4.045345021						2/25					
CR	Low pH	T1	B2	37	clonida	BA	16	7077 E10		132	3.03030303	1.566656967						2/24					
BC	Ambient	T2	A1	102	clonida	CS	16	7081 A11		335	1.194029851	3.805970149						11/14					
CR	Low pH	T2	B3	164	clonida	CA	16	7082 B11		196	2.02020202	2.97979798						2/24		350	X	199.5	19.5
BC	Ambient	T1	A3	57	manite	D11	16	7083 C11		70	5	0						2/23					
BC	Low pH	T1	B3	62	clonida	DS, 17, 4	17	7084 D11		63.2	5	0						2/24	C, 316ng	X	244	21	
CR	Low pH	T1	B1	17	manite	BS, 17, 2	17	7085 E11		62.7	4.839793971	0.1632400289						11/6		X	220.5	20	
CA	Ambient	T1	A1	5	manite	H2	16	7089 A12		187	2.64777031	2.402220299						11/6					
CR	Low pH	T2	B1	148	clonida	ED	16	7090 B12		100	4	1						11/15					
CA	Ambient	T1	A3	62	manite	F2, 17, 7	17	7091 C12		273	1.465201465	3.534798535						11/6	C	X	220.5	20	
BC	Low pH	T1	B1	18	clonida	DS, 17, 11	17	7092 D12		64.7	4.22364836	0.7761591637						11/6				216	20.5
BC	Low pH	T1	B3	62	manite	A3	16	7093 E12		141	2.836879433	2.163120567						9.7	RNA-Seq, normal				

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Population	Treatment	Time Point	Tank	Tube ID	Tissue	Date Extracted	Qubit	Bioanalyzer	Sequencing
BC	Ambient	T1	A1	10	abductor	11/11	102		
CA	Ambient	T1	A1	5	abductor	11/16	6.88 x		
OR	Ambient	T1	A1	5	abductor	11/11	22.9 8.5, 17	RNA-Seq	
OR	Ambient	T1	A1	1	abductor	11/11/17	21.7	6.8	
BC	Ambient	T1	A1	4	abductor	11/11/17	20.4		
BC	Ambient	T1	A1	9	dentidia	11/16	209	10	RNA-Seq
BC	Ambient	T1	A1	10	dentidia	11/16	142		
CA	Ambient	T1	A3	89	dentidia	11/16			
OR	Ambient	T1	A1	6	dentidia	11/16	178 97		
CA	Ambient	T1	A1	6	dentidia	11/16	75.3	9.8	RNA-Seq
OR	Ambient	T1	A1	1	dentidia	11/16/17	146	9.8	RNA-Seq
OR	Ambient	T1	A1	4	dentidia	11/16/17	93		
BC	Ambient	T1	A1	9	marble	11/16	311	9.8	
BC	Ambient	T1	A1	10	marble	11/11	177		
BC	Ambient	T1	A1	12	marble	11/16			Actually 13?
CA	Ambient	T1	A1	5	marble	11/16	157		
CA	Ambient	T1	A1	9	marble	11/16	56.6	9.7	RNA-Seq
CA	Ambient	T1	A3	52	marble	11/16			
OR	Ambient	T1	A1	1	marble	11/16/17	320	9.7	
OR	Ambient	T1	A1	4	marble	11/16/17	74.5		
OR	Ambient	T1	A3	54	marble	11/16	156	9.8	
BC	Low_pH	T1	B1	16	abductor	11/11	31.8	4.6	
BC	Low_pH	T1	B1	17	abductor	11/11	14.5		
BC	Low_pH	T1	B3	63	abductor	11/16	26.5	8.4	
CA	Low_pH	T1	B1	13	abductor	11/11	14.2 x		
OR	Low_pH	T1	B1	21	abductor	11/11	25.2	9.8	RNA-Seq
OR	Low_pH	T1	B1	24	abductor	11/11	14.8 87		
BC	Low_pH	T1	B1	16	dentidia	11/16	84.7	9.7	RNA-Seq
BC	Low_pH	T1	B1	17	dentidia	11/16	86.7		
CA	Low_pH	T1	B1	13	dentidia	11/16	300 97		
CA	Low_pH	T1	B1	14	dentidia	11/16	132	9.8	RNA-Seq
CA	Low_pH	T1	B3	65	dentidia	11/16	179	9.8	
OR	Low_pH	T1	B1	21	dentidia	11/16	265		
OR	Low_pH	T1	B1	24	dentidia	11/11	209	9.8	RNA-Seq
BC	Low_pH	T1	B1	16	marble	11/16	166 97		
BC	Low_pH	T1	B1	17	marble	11/16	82.7		
CA	Low_pH	T1	B1	13	marble	11/11	258 x		
CA	Low_pH	T1	B1	14	marble	11/16	134	9.7	RNA-Seq
CA	Low_pH	T1	B3	65	marble	11/16	118		
OR	Low_pH	T1	B1	21	marble	11/11	26.8		last of tissue
OR	Low_pH	T1	B1	24	marble	11/11	169 87		
BC	Ambient	T2	A1	101	abductor	11/14	19.3		
OR	Ambient	T2	A1	98	abductor	11/14	49.8		
BC	Ambient	T2	A1	101	dentidia	11/14	120		
BC	Ambient	T2	A1	102	dentidia	11/14	335		
CA	Ambient	T2	A1	106	dentidia	11/14	162		
OR	Ambient	T2	A1	98	dentidia	11/14	138		
BC	Ambient	T2	A1	101	marble	11/14	77.6		
BC	Ambient	T2	A1	102	marble	11/14	51.6		
CA	Ambient	T2	A1	106	marble	11/14	68.4		
OR	Ambient	T2	A1	97	marble	11/14	98.2		
OR	Ambient	T2	A1	98	marble	11/14	275		
BC	Low_pH	T2	B1	142	abductor	11/15	14.9		
BC	Low_pH	T2	B1	139	abductor	11/15	25.4 7.17		
CA	Low_pH	T2	B1	145	abductor	11/15	37.8		
OR	Low_pH	T2	B1	148	abductor	11/15	10.5 7.37		
BC	Low_pH	T2	B1	142	dentidia	11/15	287		
BC	Low_pH	T2	B1	139	dentidia	11/15	87 8.37		
CA	Low_pH	T2	B1	145	dentidia	11/15	191		
OR	Low_pH	T2	B1	148	dentidia	11/15	100		
BC	Low_pH	T2	B1	142	marble	11/15	144		
BC	Low_pH	T2	B1	139	marble	11/15	168 8.97		
CA	Low_pH	T2	B1	145	marble	11/15	133		
OR	Low_pH	T2	B1	148	marble	11/15	13.8 8.17		

Population	Treatment	Time_Point	Tank	Tube ID	Tissue	Date Extracted	Qubit	Concentrate	Bioanalyzer	Sequencing
OR	Ambient	T1	A1		4 ctenidia	11/6/17	93			
OR	Ambient	T1	A1		4 mantle	11/6/17	74.5			
CA	Ambient	T1	A1		5 mantle	11/6	157			
CA	Ambient	T1	A1		6 mantle	11/6	56.6	283		9.7 RNA-Seq, repeat
BC	Ambient	T1	A1		10 mantle	11/11	177			144
CA	Low_pH	T1	B1		13 mantle	2/24	64.5	322.5		extracted 2x
BC	Low_pH	T1	B1		16 ctenidia	11/6	94.7			9.7 RNA-Seq, repeat
BC	Low_pH	T1	B1		17 ctenidia	11/6	86.7			
BC	Low_pH	T1	B1		17 mantle	11/6	82.7			
OR	Low_pH	T1	B1		21 ctenidia	11/6	265			
OR	Low_pH	T1	B1		21 mantle	11/11	274	C		last of tissue
OR	Low_pH	T1	B1		24 mantle	11/11	193	9?		repeat, redo bioanalyzer 1st
OR	Ambient	T1	A2		28 ctenidia	2/24/18	62	310		
CA	Ambient	T1	A2		29 ctenidia	2/25/18	144			
BC	Ambient	T1	A2		35 ctenidia	2/24	243			
OR	Low_pH	T1	B2		37 ctenidia	2/24	132			
BC	Low_pH	T1	B2		41 ctenidia	2/24	187			
CA	Low_pH	T1	B2		45 ctenidia	2/24	229			
CA	Ambient	T1	A3		51 ctenidia	2/23	64.6	C		
CA	Ambient	T1	A3		52 ctenidia	2/23	73.1	C		
CA	Ambient	T1	A3		52 mantle	11/6	273	C		
OR	Ambient	T1	A3		54 ctenidia	2/23	738			
OR	Ambient	T1	A3		54 mantle	11/6	154			9.8
OR	Ambient	T1	A3		56 ctenidia	2/23	580			
BC	Ambient	T1	A3		57 ctenidia	2/23	245			285
BC	Ambient	T1	A3		57 mantle	2/23	70			
BC	Ambient	T1	A3		59 ctenidia	11/6	153			223
BC	Low_pH	T1	B3		62 ctenidia	2/24	63.2	C		
BC	Low_pH	T1	B3		62 mantle	2/25	141			
BC	Low_pH	T1	B3		63 ctenidia	2/25	510			
CA	Low_pH	T1	B3		65 ctenidia	11/6	179			9.8
CA	Low_pH	T1	B3		65 mantle	11/6	64.7	323.5		
CA	Low_pH	T1	B3		67 ctenidia	2/25	144	C		
OR	Low_pH	T1	B3		69 ctenidia	2/25	64.6	323		
OR	Low_pH	T1	B3		69 mantle	2/25	71.3			
OR	Low_pH	T1	B3		71 ctenidia	2/25	176			
OR	Ambient	T2	A1		97 mantle	11/14	98.2			
OR	Ambient	T2	A1		98 ctenidia	11/14	138			
OR	Ambient	T2	A1		98 mantle	11/14	275			
OR	Ambient	T2	A1		99 ctenidia	2/23	303			
BC	Ambient	T2	A1		101 ctenidia	11/14	120			
BC	Ambient	T2	A1		101 mantle	11/14	77.6			
BC	Ambient	T2	A1		102 ctenidia	11/14	335			
BC	Ambient	T2	A1		102 mantle	11/14	51.6	258		
CA	Ambient	T2	A1		105 ctenidia	2/23	358			
CA	Ambient	T2	A1		105 mantle	2/23	4.53	redo extraction		
CA	Ambient	T2	A1		106 ctenidia	11/14	162			
CA	Ambient	T2	A1		106 mantle	11/14	68.4	342		
CA	Ambient	T2	A2		111 ctenidia	2/23	123			
CA	Ambient	T2	A3		118 ctenidia	2/25	6.3	redo extraction		
CA	Ambient	T2	A3		118 mantle	2/23	75.6	C		
CA	Ambient	T2	A3		119 ctenidia	2/25	263			
OR	Ambient	T2	A3		122 ctenidia	2/23	4.04	redo extraction		
OR	Ambient	T2	A3		122 mantle	2/25	4.8	redo extraction		
OR	Ambient	T2	A3		124 ctenidia	2/23	77.2			
BC	Ambient	T2	A3		125 ctenidia	2/25	419			
BC	Ambient	T2	A3		126 ctenidia	2/25	294			
BC	Ambient	T2	A3		126 mantle	2/23	3.73	different tissue		
BC	Low_pH	T2	B1		139 ctenidia	11/15	87		8.3?	
BC	Low_pH	T2	B1		139 mantle	11/15	168		8.9?	
BC	Low_pH	T2	B1		142 ctenidia	11/15	287			
BC	Low_pH	T2	B1		142 mantle	11/15	144			
CA	Low_pH	T2	B1		143 ctenidia	2/25	204			
CA	Low_pH	T2	B1		143 mantle	2/25	73.8	C		
CA	Low_pH	T2	B1		145 ctenidia	11/15	191			
CA	Low_pH	T2	B1		145 mantle	11/15	133			
OR	Low_pH	T2	B1		147 ctenidia	2/25	202			
OR	Low_pH	T2	B1		147 mantle	2/25	266			
OR	Low_pH	T2	B1		148 ctenidia	11/15	100			
OR	Low_pH	T2	B1		148 mantle	11/15	74.2	C 8.1?		
CA	Low_pH	T2	B2		153 ctenidia	2/24	429			
OR	Low_pH	T2	B3		163 ctenidia	2/25	140			
OR	Low_pH	T2	B3		163 mantle	2/24	52	C		
OR	Low_pH	T2	B3		164 ctenidia	2/24	198			
OR	Low_pH	T2	B3		164 mantle	2/25	61.4			
CA	Low_pH	T2	B3		166 ctenidia	2/24	215	C		

CA	Low_pH	T2	B3	166 mantle	2/24	86				
CA	Low_pH	T2	B3	168 ctenidia	2/24	112				
BC	Low_pH	T2	B3	170 ctenidia	2/24	110				
BC	Low_pH	T2	B3	170 mantle	2/24	low	redo extraction			
BC	Low_pH	T2	B3	171 ctenidia	2/24	152				

Population	ID	Bucket	Wet Weight (g)	Mortality Date	Date Sampled	Reproduction Stg	Mantle	Adductor	Gill_RNA	Gill_EtOH	Notes
BC	127W	BC3_T	12.4								
CA	CA4B_A	CA4_B	2.4		9/1/2016	ripe					
CA	CA4B_B	CA4_B	0.7		9/1/2016	not					
CA	CA4B_C	CA4_B			9/1/2016	not					tiny, on larger one
CA	CA4B_D	CA4_B	0.6		9/1/2016	kinda					
CA	CA4B_E	CA4_B	0.5		9/1/2016	kinda					missing shell for measurement
CA	CA4B_F	CA4_B	0.6		9/1/2016	not					
CA	CA4B_G	CA4_B	0.3		9/1/2016						missing shell
CA	CA4B_H	CA4_B	0.5		9/1/2016						
CA	CA4B_I	CA4_B	0.2		9/1/2016						
CA	CA4B_J	CA4_B	0.05		9/1/2016						half shell missing
CA	CA4B_K	CA4_B	0.35		9/1/2016						no pic
OR	OR2T_E	OR2_T	8.6		9/1/2016	not					
OR	OR2T_F	OR2_T	5		9/1/2016	not					
OR	OR2T_G	OR2_T	2.7		9/1/2016	kinda					
OR	OR2T_H	OR2_T	8.1		9/1/2016	not					
OR	OR2T_I	OR2_T	7.1		9/1/2016	ripe					pic?
OR	OR2T_J	OR2_T	1.3		9/1/2016	not					
OR	OR2T_K	OR2_T	3.1		9/1/2016	kinda					
OR	OR2T_L	OR2_T	3.9		9/1/2016	not					no pic, looked sick
OR	OR2T_M	OR2_T	3.6		9/1/2016	not					
OR	OR2T_N	OR2_T	2		9/1/2016	ripe					
OR	OR2T_O	OR2_T	4.1		9/1/2016	kinda					
OR	OR2T_P	OR2_T	6.1		9/1/2016	brooding					
OR	OR2T_Q	OR2_T	8.3		9/1/2016	not					pic without shell
OR	OR2T_R	OR2_T	5.3		9/1/2016	kinda					
OR	OR5B_A	OR5_B	2.7		9/1/2016	kinda					missing shell weight
OR	OR5B_B	OR5_B	7.3		9/1/2016	not					
OR	OR2B_A	OR2_B	4.8		9/1/2016	not					
OR	OR2B_B	OR2_B			9/1/2016	ripe					stuck together with C: 7.9g
OR	OR2B_C	OR2_B			9/1/2016	kinda					stuck together with B: 7.9g
OR	OR2B_D	OR2_B	5		9/1/2016	not					
OR	OR2B_E	OR2_B	4		9/1/2016	kinda					
OR	OR2B_F	OR2_B	6.7		9/1/2016	not					
OR	OR1T_A	OR1T	5.4		9/11/2016	kinda					
OR	OR1T_B	OR1T	4.5		9/11/2016	kinda					
OR	OR1T_C	OR1T	3.9		9/11/2016	yes					
OR	OR1T_D	OR1T	1.7		9/11/2016	not					
OR	OR1T_E	OR1T	8.5		9/11/2016	not					large extra shell attached
OR	OR1T_F	OR1T	3.7		9/11/2016	kinda					
OR	OR1T_G	OR1T			9/11/2016	not					
OR	OR1T_H	OR1T	3.5		9/11/2016	yes					
OR	OR1T_I	OR1T	4		9/11/2016	kinda					
OR	OR1T_J	OR1T	2.8		9/11/2016	not					
OR	OR1T_K	OR1T	2.1		9/11/2016	yes					
OR	OR1T_L	OR1T	2.6		9/11/2016	kinda					
BC	BC1T_A	BC1T	13.8		9/9/2016	kinda					
BC	BC1T_B	BC1T	12.3		9/9/2016	not					
BC	093	BC1T	18.8		9/9/2016	not					
BC	BC1T_C	BC1T	20.8		9/9/2016	not					
BC	BC1T_D	BC1T	10.5		9/9/2016	ni					
BC	101	BC1T	15.5		9/9/2016	not					
BC	BC2T_A	BC2T	13.8		9/9/2016	kinda					
BC	111	BC2T	10		9/9/2016	yes					
BC	110	BC2T	10.4		9/9/2016	not					
BC	BC2T_B	BC2T	12		9/9/2016	not					
BC	BC2T_C	BC2T	11.4		9/9/2016	kinda					
BC	BC2T_D	BC2T	12.9		9/9/2016	kinda					
BC	BC2T_E	BC2T	11.5		9/9/2016	not					
BC	108	BC2T	11.2		9/9/2016	not					no pic
BC	BC5B_A	BC5B	10.5		8/16/2016	ripe					
BC	BC5B_B	BC5B	8.8		8/16/2016	not					
BC	BC5B_C	BC5B	17.6		8/16/2016	not					
BC	BC5B_D	BC5B	19.2		8/16/2016	not					
BC	BC5B_E	BC5B	14.6		8/16/2016	not					
BC	BC5B_F	BC5B	13.6		8/16/2016	not					
BC	BC5B_G	BC5B	9.8		8/16/2016	not					
BC	BC5B_H	BC5B	15.8		8/16/2016	kinda					
BC	BC5B_I	BC5B	8.6		8/16/2016	not					
BC	BC5B_J	BC5B	14.3		8/16/2016	ripe					
BC	BC5B_K	BC5B	14		8/16/2016	kinda					
BC	BC5B_L	BC5B	7.5		8/16/2016	not					
BC	BC5B_M	BC5B	16.5		8/16/2016	not					
BC	BC5B_N	BC5B	14.4		8/16/2016	not					
BC	BC5B_O	BC5B	8.9		8/16/2016	not					
BC	BC5B_P	BC5B	13.7		8/16/2016	kinda					
BC	BC5B_Q	BC5B	14.6		8/16/2016	kinda					
BC	BC5B_R	BC5B	6.4		8/16/2016	not					
BC	BC5B_S	BC5B	18.6		8/16/2016	kinda					

Date	Population	Bucket/Tray	Number	Egg Number	Tissue
6/22/2016	CA	CA4_B	2		
6/27/2016	OR	OR1_T	1		
6/28/2016	OR	OR1_T	1		
6/29/2016	CA	CA1_T	1		
7/6/2016	CA	CA1_T	1		
7/8/2016	CA	CA1_T	1		yes
7/17/2016	OR	OR3_B	1		no
7/21/2016	BC	BC2T	1		
7/28/2016	CA	CA1_T	1		no
7/28/2016	OR	OR1_T	1		yes
8/5/2016	OR	OR2_T	1	47	yes
8/7/2016	BC	BC1_T	1		yes
8/19/2016	CA	CA1T	1		no
8/19/2016	OR	OR1T	2		no
8/22/2016	CA	CA1T	1		yes
8/24/2016	BC	BC1T	1		
8/26/2016	BC	BC2T	2		no
8/26/2016	BC	BC1T	1		yes
8/26/2016	CA	CA1T	1		no
8/29/2016	OR	OR5_B	2		
9/1/2016	CA	CA1_T	2		
9/1/2016	CA	CA4_B	2		
9/1/2016	CA	CA2_T	1		
9/1/2016	OR	OR1_T	1	11	
9/7/2016	BC	BC1T	1		
9/7/2016	BC	BC2T	1	58	yes
9/7/2016	CA	CA1T	1		
9/8/2016	OR	OR1T	2		from 1
9/8/2016	OR	OR2T	1		yes
9/9/2016	BC	BC2T	2		
9/9/2016	BC	BC3T	1		
9/9/2016	BC		1	49	
9/11/2016	CA		1	024W	yes