

Supplemental material

Merged 18S V7-V9 sequences (forward & reverse) of ASVs which exceeded 10% of non-krill reads in at least one krill individual (see Table 2)

>ASV-bbf54da637b9c47bae6aaa1bf2ffc8e7

GGGGAACTTACCAGGGCAAACTCAAGAATGATTGACAATTTGATAGCTTTTTCTTGATTATGAGGAAGGTGGTGCATGGCCGTTCTTAGTTGG
TGGAGTGATTTGTCCGGTTAATTCCCTTAACAAACGAGACCTTGACCTGCTAAATAGAAGCACTCATTTTCTGAGGGTTTTCTTCTTAGAGGGACT
ATGTACCTAAATACATGGAAGTTCGAGGCAATAA

> ASV-c7d7c7d465f228de5c03533a3c921c2c

GGGAAACCTTACTAGGGTAAGACATTGGTATGATTGACAGATTACTTGATCTTTCTTGATTTGGTGGGTGGTGGTGCATGGCCGATCTTAGTTGGT
GGGGTGACCCGTCTGGTTAATTTTCGATAACGAACGAGATCCGAGCTGTTTAGTTGGCTGTGTTTATTTTTAGACATACGTCTCCTATATGGACTGT
CAGTATGAGGCTGAAGGAAGTTTCGGGCTAAAT

> ASV-3d5a6730c1a2f26e2c6144b25ab3c307

GGGAAACCTTACTAGGGTAAGACATTGGTATGATTGACAGATTACTTGATCTTTCTTGATTTGGTGGGTGGTGGTGCATGGCCGATCTTAGTTGGT
GGGGTGACCCGTCTGGTTAATTTTCGATAACGAACGAGATCCGAGCTGTTTAGTTGGCCATTTGTGTGTTTGCATAAATGTGTCTCCTATATGGACTG
TCAGTATGAGGCTGAAGGAAGTTTCGGGCTAAAT

> ASV-5b163a756ccc40289deb70d4333f9771

GGGGAATCTTACTAGGTCCAGACAAAGGGAGGATTGACAGTTTGAGAGCGCTTTCTTGATTCTTTGGGTGGTGGTGCATGGCCGTTCTTAGTTGG
TGGAGTGATTTGTCTGGTTAATTCCGTTAACGAACGAGACCTTAGCCATCTAAATAGTATATTAACAGGAATTTAATATGCTTCTTAGAGGGACTG
TGTGTTTGAACACAATGAAGCTTAAGGCAATAA

> ASV-3cf0b6d6948f5687b2e8505295c9302d

GGGAAAACCTTACCAGGGTAAAACACAGATATGATTGACAGCTTGATAGCGCTTTCTTGATCCGGTAGCAAGTGGTGCATGGCCGTTCTTAGTTGG
TGGAGTGATTTGTCAGGTTAATTCCCTAAACGAACGAGACCTTAACCTGCTAAATAGAAGCGTTTACTTTCTAGACGTATTCTTCTTAGAGGGACT
ATAGGCACTAAGTCTATGGAAGTTTGAGGCAATAA

> ASV-941319dc029ebe0631061b1087d15d7c

GGGGAACCTTACCAGGCTCAGACACCGAGGGATTGACAGATTGAGGGCTTTTCTCAATTCTGTGGGTGGTGGTGCATTGCCATTCTTAGTTGGT
GGAGCGATTTGACTGGTTAATTCGATAATTAACGTGACACTGGTCTACTTAGTCGCCCGTCGTAACCTTCTCCTAGAAGTTTCCGCGGTATGT
AGCCACAAGAGACTGAGTAATAA

> ASV-aab4d999f1896a472a6e1c8ad434a307

GGGAAACCTTACTAGGGTAAGACATTGGTATGATTGACAGATTACTTGATCTTTCTTGATTTGGTGGGTGGTGGTGCATGGCCGATCTTAGTTGGT
GGGGTGACCCGTCTGGTTAATTTTCGATAACGAACGAGATCCGAGCTGTTTAGTTGGCCATTTGTGTGTTTGCATAAATGAGTCTCCTATATGGACT
GTCAGTATGAGGCTGAAGGAAGTTTCGGGCTAAAT

> ASV-09d8d1e7e1a9a2a10d6363aa4a70d16d

CGCGAAACTCACCAGGCTCGGACATTGGAAGATTTAACAAATGGAATTTTTCTCGATTTGGTGATTGGTGGTGCATGGCCATTCTTAGTGTGTG
GAGCAATTTGTCTGGTTAATTCTGATAGCAAACAAGACTATGGCCTACTATCTATTTGTTGGGTTGTCTTCTACCGGCTTCGGCTGGTTGCCCTTAG
CAACTTTTTCTTAGAGGGACCCATGACCTCCGGCCGCAACAGACTGAGCAATAA

> ASV-7b12987affcf0443820b39f369e7197

CGGGAAACTCACAAGGCTCGGACACTGGAAGATTTAACAGATGGATTTTTCTGCGATTTGGTGGTTGGTGGTGCACGGCCATTCTTAGTGTGT
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CAACTTCTTCTTAGAGGGACCCATGACCTCTGGCCGCAACAGACTGAGCAATAA

> ASV-b5d3f7ecc9a79594547a21fb3161dafb

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TGGAGTGATTTGTCTGGTTGATTCCGATAACGAACGAGATCTTAACCTGCTAAATAGCACCGGGCACCTTGTGTGCACTCCGGGATACGCTTCTTA
GAGGGACAATCGGCGTTTAGCCGAAGGAAGTTTGAGGCAATAA

> ASV-42edc84b043a5590b10dfb394ae6232f

GGGAAACCTTACTAGGGTAAGACACTGTGATGATTGACAGATTACTTGATCTTTCTTGATTTGGTGGGTGGTGGTGCATGGCCGATCTTAGTTGGT
GGGGTGACCCGTCTGGTTAATTTTCGATAACGAACGAGATCCGAGCTGTTTAGTTGGCCATCTCTATAATTATGTAGAAGATGTGTCTCCTGGATGG
ACTGTTAGTGGGAGGCTGAAGGAAGTTTCGGGCTAAAT

> ASV-0204384c988f187929e27199b3567621

GGGAAACTTCACCAGTCCCGGACACCAAAAGGATTGACAGATTTAAAGCTCTGTCTCATTTCGGTTGGTGGTGGTGCATGGCTATTTATAGTTGGT
GGAACAATTTTTCCGGTTTATTCTGATAATAAACGAGACTCTGACCTATTAAGTTGTTAGGTTGTCTTTTACCGGCTTTGACCGGTCATCCATA
GCAGTTTCATCTTAGAGGGATCCATTGTATCAAGCCACAATATACGGAGCAATAA

> ASV-4ee8ad026ce073c8a66c0227245cac88

CGGGAAACTCACCAGGCTCGGACACTGGAAGATTTAACAGATGGAATTTTTCTCGATTTGGTGGTTGGTGGTGCATGGCCATTCTTAGTGTGT
GGAGCAATTTGTCTGGTTAATTCTGATAACAAACAAGACTATGGCCTACTATCTATTTGTTGTGTTGTCTTATAACCGGCTTCGGCCGGTCGCCCGTA
GCAACTTCTTCTTAGAGGGACCCATGACCTCCGGCCGCAACAGACTGAGCAATAA

> ASV-6d13ae22d703ac46cf461e8fc0de9d15

CGGGAAACTCACCAGGCTCGGACACTGGAAGATTTAACAGATAGAATTTTTCTCTCGATTTGGTGGTTGGTGGTACATGGCCATTCTTAGTGTGT
GGAGCAATTTGTCTGGTTAATTCTGATAACAAACAAGACTATGGCCTACTATCTATTTGTTGGGTTGTCTTTTACCGGCTTCAGCCGGTCTCCCGTA
GCAACTTCTTCTTAGAGGGACCCATGACCTCCGGCCGCAACAGACTGAGCAATAA

> ASV-1610b3f187a4898d4c4ba18b797ae39b

GGGAAACTTCACCAGGCCCGAACAACAAAAGGATTGACAGATTTAAAGCTCTGTCTCATTTCCGGTTGGTGGTGGTGCATGGCTATTTATAGTTGG
TGGAACAATTTTTCCGGTTTATTCTGATAATAAACGAGACTCTGACCTATTAAGTTGTTAGGTTGTCTTTTACCGGCTTTGACCGGTCATCCATA
GCAGTTTCATCTTAGAGGGATCCATGGCATCAAGCCACAAGATACGGAGCAATAA

Table S1: Elemental contents of analyzed krill eggs (carbon, nitrogen, hydrogen)

Well	Female #	Tin boat full weight (g)	Tin boat empty weight (g)	Contents weight (g)	# of eggs	weight per egg (mg)	C µg	H µg	N µg	C µg per egg	H µg per egg	N µg per egg	C:N
A1	12F	0.0388	0.0384	0.0004	25	0.016	106.90	15.87	17.08	4.28	0.63	0.68	6.26
A2	12F	0.0392	0.0378	0.0014	40	0.035	178.12	34.04	28.48	4.45	0.85	0.71	6.25
A3	12F	0.041	0.0388	0.0022	50	0.044	264.09	59.41	40.73	5.28	1.19	0.81	6.48
A4	11C	0.04	0.0382	0.0018	22	0.082	130.74	36.61	20.39	5.94	1.66	0.93	6.41
A5	11C	0.0405	0.0385	0.002	22	0.091	104.72	35.45	16.81	4.76	1.61	0.76	6.23
A6	11C	0.0399	0.0381	0.0018	22	0.082	108.69	33.36	18.01	4.94	1.52	0.82	6.04
A7	13D	0.04	0.0385	0.0015	22	0.068	71.32	26.14	11.68	3.24	1.19	0.53	6.10
A8	13D	0.0404	0.0384	0.002	26	0.077	71.31	32.37	11.65	2.74	1.24	0.45	6.12
A9	13D	0.0399	0.038	0.0019	21	0.090	50.81	28.26	8.73	2.42	1.35	0.42	5.82
A10	13C	0.0397	0.0385	0.0012	22	0.055	158.06	29.51	26.39	7.18	1.34	1.20	5.99
A11	13C	0.0394	0.0383	0.0011	30	0.037	134.63	27.03	23.16	4.49	0.90	0.77	5.81
A12	8E	0.0409	0.0387	0.0022	39	0.056	878.62	138.19	149.04	22.53	3.54	3.82	5.90
B1	8E	0.0397	0.0386	0.0011	24	0.046	358.51	52.84	57.94	14.94	2.20	2.41	6.19
B2	8E	0.0402	0.0388	0.0014	31	0.045	413.74	64.00	65.58	13.35	2.06	2.12	6.31
B3	16B	0.0401	0.0385	0.0016	28	0.057	509.23	78.83	86.95	18.19	2.82	3.11	5.86
B4	16B	0.0398	0.0384	0.0014	24	0.058	308.77	49.95	50.50	12.87	2.08	2.10	6.11
B5	16B	0.04	0.0384	0.0016	22	0.073	225.38	43.07	36.04	10.24	1.96	1.64	6.25
B6	3F	0.0404	0.0384	0.002	37	0.054	858.03	135.38	152.56	23.19	3.66	4.12	5.62
B7	3F	0.041	0.039	0.002	30	0.067	702.33	111.60	130.12	23.41	3.72	4.34	5.40
B8	3F	0.0407	0.0385	0.0022	41	0.054	871.86	137.02	153.14	21.26	3.34	3.74	5.69
B9	15A	0.0401	0.0386	0.0015	30	0.050	556.90	83.89	96.75	18.56	2.80	3.23	5.76
B10	15A	0.0393	0.0381	0.0012	24	0.050	285.56	43.68	48.14	11.90	1.82	2.01	5.93
B11	15A	0.0402	0.0387	0.0015	29	0.052	226.32	39.01	36.45	7.80	1.35	1.26	6.21
B12	14D	0.0402	0.0388	0.0014	41	0.034	423.31	62.98	65.53	10.32	1.54	1.60	6.46

Well	Female #	Tin boat full weight (g)	Tin boat empty weight (g)	Contents weight (g)	# of eggs	weight per egg (mg)	C µg	H µg	N µg	C µg per egg	H µg per egg	N µg per egg	C:N
C1	14D	0.0403	0.0388	0.0015	36	0.042	492.82	74.64	77.73	13.69	2.07	2.16	6.34
C2	14D	0.0408	0.0392	0.0016	32	0.050	509.90	77.55	80.59	15.93	2.42	2.52	6.33
C3	9C	0.0402	0.0387	0.0015	40	0.038	360.37	56.73	53.26	9.01	1.42	1.33	6.77
C4	9C	0.0395	0.0382	0.0013	42	0.031	258.08	44.34	40.62	6.14	1.06	0.97	6.35
C5	9C	0.0398	0.0383	0.0015	54	0.028	225.99	39.51	36.07	4.19	0.73	0.67	6.27
C6	5A	0.04	0.0385	0.0015	28	0.054	353.78	56.82	56.91	12.64	2.03	2.03	6.22
C7	5A	0.0402	0.0382	0.002	37	0.054	444.35	72.49	69.37	12.01	1.96	1.87	6.41
C8	5A	0.0396	0.0382	0.0014	35	0.040	275.80	43.70	42.60	7.88	1.25	1.22	6.47
C9	15E	0.04	0.0382	0.0018	43	0.042	515.97	80.29	83.78	12.00	1.87	1.95	6.16
C11	15E	0.0402	0.0387	0.0015	36	0.042	358.12	54.97	57.67	9.95	1.53	1.60	6.21
C12	15E	0.0397	0.0384	0.0013	45	0.029	351.62	52.62	55.19	7.81	1.17	1.23	6.37
D1	11E	0.0398	0.0385	0.0013	45	0.029	467.93	69.30	76.34	10.40	1.54	1.70	6.13
D2	11E	0.0398	0.0382	0.0016	48	0.033	521.82	78.47	85.95	10.87	1.63	1.79	6.07
D3	11E	0.0406	0.0389	0.0017	52	0.033	546.82	82.27	89.93	10.52	1.58	1.73	6.08
D4	8F	0.0402	0.0385	0.0017	49	0.035	465.39	72.54	74.39	9.50	1.48	1.52	6.26
D5	8F	0.0405	0.039	0.0015	42	0.036	399.37	59.87	52.75	9.51	1.43	1.26	7.57
D6	8F	0.0395	0.0379	0.0016	47	0.034	486.48	72.34	72.36	10.35	1.54	1.54	6.72
D7	3A	0.0398	0.038	0.0018	38	0.047	376.61	57.77	53.23	9.91	1.52	1.40	7.07
D8	3A	0.04	0.0383	0.0017	32	0.053	425.39	64.44	63.71	13.29	2.01	1.99	6.68
D9	3A	0.0401	0.0388	0.0013	39	0.033	317.49	46.63	44.59	8.14	1.20	1.14	7.12
D10	4B	0.0399	0.0385	0.0014	45	0.031	445.29	63.90	64.32	9.90	1.42	1.43	6.92
D11	4B	0.0394	0.038	0.0014	44	0.032	445.71	64.07	64.44	10.13	1.46	1.46	6.92
D12	4B	0.0407	0.0392	0.0015	44	0.034	365.62	53.20	54.45	8.31	1.21	1.24	6.71
E1	3C	0.0409	0.0385	0.0024	52	0.046	519.35	81.73	71.75	9.99	1.57	1.38	7.24
E2	3C	0.0399	0.0382	0.0017	42	0.040	445.02	67.25	62.74	10.60	1.60	1.49	7.09
E3	3C	0.0404	0.0385	0.0019	42	0.045	414.90	63.58	58.47	9.88	1.51	1.39	7.10