

Table S1. Demographic information and cause of death (COD) category for each case included in the COD analysis. SL: straight length.

Animal ID	Year	Code	Sex	SL (cm)	Weight (Kg)	Age Class	COD	COD Comments	If human interaction: confirmed, probable, or suspect
06DISL031515	2015	2	M	244	136	Adult	Unknown - good body condition		
10DISL040115	2015	2	M	94.2	NW	Perinate	In utero pneumonia and fetal distress		
14DISL051615	2015	3	M	108.5	14	Perinate	In utero pneumonia and fetal distress		
17DISL081315	2015	2	F	118	27.2	Calf	Infectious	Parasitic	
20DISL111015	2015	3	F	235	NW	Adult	Trauma	Trauma (unknown)	
21DISL111115	2015	2	F	198	121.1	Subadult	Multifactorial	Heart disease + human interaction (peracute underwater entrapment)	Probable
22DISL111715	2015	3	M	203	90.7	Subadult	Human interaction	Peracute underwater entrapment	Probable
24DISL121815	2015	3	M	263	264.4	Adult	Unknown - good body condition		
26DISL122915	2015	2	F	218	142.8	Adult	Unknown - good body condition		
04DISL021716	2016	3	F	85	9	Perinate	In utero pneumonia and fetal distress		
06DISL031316	2016	3	F	243	NW	Adult	Prolonged freshwater exposure		
07DISL031516	2016	2	F	112.5	17	Perinate	Multifactorial	Infectious (bacterial) + trauma (unknown, suspect conspecific)	
11DISL032516-R	2016	2	F	202	90.7	Subadult	Human interaction	Peracute underwater entrapment	Probable
13DISL040216	2016	3	F	231	NW	Adult	Prolonged freshwater exposure		
15DISL040316	2016	2	F	102	6.8	Perinate	Fetal distress		
19DISL042016	2016	2	M	112	NW	Perinate	Multifactorial	Fetal distress and infectious (parasitic)	
30DISL050816	2016	3	M	180	73.9	Subadult	Unknown - good body condition		
33DISL052916	2016	2	M	251	185.5	Adult	Multifactorial	Human interaction (vessel strike) + Infectious (bacterial) + underlying disease/sepsis	Confirmed

36DISL062316	2016	2	M	230	143.3	Subadult	Unknown - good body condition		
39DISL082016	2016	2	M	151 178	43.9	Calf	Human interaction	Peracute underwater entrapment	Probable
45DISL091716	2016	3	M	est.	103.8	Subadult	Human interaction	Sharp trauma	Probable
47DISL091916	2016	2	F	211	112.9	Adult	Unknown - good body condition		
52DISL122716	2016	3	F	242	63	Adult	Unknown - good body condition		
10DISL030917	2017	2	F	229	167.38	Adult	Unknown - good body condition	Suspect human interaction	
15DISL032517	2017	3	F	101 97	11.8	Perinate	Fetal distress		
16DISL033017	2017	3	F	est.	9.1 est.	Perinate	Fetal distress		
20DISL042617	2017	2	M	176.6	67	Subadult	Human interaction	Peracute underwater entrapment	Probable
23DISL051617	2017	3	M	171	59	Subadult	Multifactorial	Infectious (parasitic) + unknown (poor body condition)	
27DISL071217	2017	2	M	230	161	Adult	Infectious	Parasitic	
28DISL072017	2017	3	F	146	40	Calf	Human interaction	Peracute underwater entrapment	Suspect
33DISL091517	2017	2	M	190	80.9	Subadult	Unknown - poor body condition	Suspect human interaction	
34DISL091517	2017	2	M	172	44.9	Subadult	Unknown - poor body condition		
35DISL091617	2017	3	F	137.2	29.8	Calf	Unknown - good body condition		
36DISL092117	2017	3	F	242	146	Adult	Infectious	Brucellosis	
37DISL092217	2017	3	F	107	14	Perinate	Fetal distress		
38DISL092617	2017	3	F	108	11.34	Perinate	In utero pneumonia and fetal distress		
39DISL092817	2017	2	F	163.5	56.7	Calf	Human interaction	Peracute underwater entrapment	Probable
01DISL011118	2018	3	F	225	146.5	Adult	Unknown - good body condition		
06DISL030318	2018	3	M	189	68	Subadult	Prolonged freshwater exposure		

09DISL032818	2018	2	M	102.5	13.6	Perinate	Unknown - good body condition		
10DISL040118	2018	3	F	168	57.2	Calf	Infectious	Mixed (bacterial + parasitic)	
11DISL040218	2018	3	M	198	98.4	Subadult	Human interaction	Peracute underwater entrapment	Probable
15DISL040818	2018	3	M	111.8	17.2	Perinate	Infectious	Unknown	
18DISL042118	2018	3	U	210	NW	Subadult	Infectious	Unknown Trauma (unknown) + vascular event (potentially associated with trauma) + human interaction (peracute underwater entrapment)	
23DISL061818	2018	3	U	258	NW	Adult	Multifactorial		Suspect
25DISL070718	2018	2	F	223	120.6	Adult	Human interaction	Peracute underwater entrapment	Probable
32DISL100818	2018	3	F	245	172.8	Adult	Unknown - good body condition		
34DISL102018	2018	3	M	260	199	Adult	Human interaction	Peracute underwater entrapment Infectious (parasitic) + trauma (unknown) + emaciation	Probable
36DISL111818	2018	3	F	125	18.1	Calf	Multifactorial		
38DISL121118	2018	3	F	210	92.5	Subadult	Unknown - good body condition		
01DISL010619	2019	3	M	198	78.2	Subadult	Multifactorial	Infectious (parasitic) + trauma (unknown)	
02DISL020319	2019	2	F	171	66.6	Subadult	Prolonged freshwater exposure		
04DISL020919	2019	3	U	85	NW	Perinate	Infectious	Brucellosis	
05DISL020919	2019	3	M	186	78.5	Subadult	Unknown - good body condition		
06DISL021619	2019	2	M	205	106.1	Subadult	Human interaction	Peracute underwater entrapment Prolonged freshwater exposure + pneumonia	Probable
08DISL022119	2019	3	M	221	76.7	Subadult	Prolonged freshwater exposure		
10DISL022519	2019	3	M	113	14	Perinate	Infectious	Brucellosis	
11DISL022619	2019	2	F	248	163.7	Adult	Degenerative		
12DISL022619	2019	2	M	190	83	Subadult	Infectious	Mixed (fungal + bacterial)	

13DISL030819	2019	3	M	193	67.7	Subadult	Unknown - poor body condition		
14DISL030919	2019	3	F	156	NW	Calf	Infectious	Bacterial	
15DISL031119	2019	3	M	107	14.1	Perinate	Multifactorial	Fetal distress + trauma (unknown)	
16DISL031219	2019	3	F	236	133.6	Adult	Prolonged freshwater exposure	Fetal distress + pneumonia + infectious (parasitic) + trauma (unknown) + panniculitis	
18DISL032619	2019	3	M	117	19	Perinate	Multifactorial		
20DISL040319	2019	3	M	183	83.6	Subadult	Human interaction	Peracute underwater entrapment	Probable
21DISL040519	2019	2	M	117	26.8	Calf	Human interaction	Peracute underwater entrapment	Probable
22DISL040619	2019	3	F	265	137.9	Adult	Unknown - poor body condition		
25DISL041219	2019	2	F	168	69.9	Calf	Human interaction	Peracute underwater entrapment	Probable
26DISL041319	2019	3	M	112	19.1	Perinate	Human interaction	Peracute underwater entrapment	Probable
29DISL042619	2019	3	F	182	44	Subadult	Prolonged freshwater exposure		
30DISL051419	2019	3	M	252	186.4	Adult	Human interaction	Peracute underwater entrapment	Probable
32DISL053019	2019	3	M	248	106.6	Adult	Infectious	Fungal	
33DISL053019	2019	3	F	236	172.4	Adult	Multifactorial	Human interaction (peracute underwater entrapment) + degenerative	Suspect
35DISL060819	2019	2	M	235	146.5	Adult	Infectious	Brucellosis	
37DISL061319	2019	3	M	158	35.8	Calf	Human interaction		Suspect
40DISL070219	2019	3	F	180	61.6	Subadult	Unknown - good body condition		
43DISL072719	2019	3	M	186	84.5	Subadult	Infectious	Parasitic	
46DISL080919	2019	3	M	238	141.5	Adult	Human interaction	Peracute underwater entrapment Infectious (parasitic) + human interaction (peracute underwater entrapment)	Suspect
49DISL100519	2019	3	F	157	59.8	Calf	Multifactorial		Suspect

50DISL102719	2019	3	F	232	160.1	Adult	Multifactorial	Trauma (unknown) + heart disease + aspiration pneumonia + cerebral edema	
52DISL110319	2019	2	F	183	81	Subadult	Unknown - good body condition	Trauma (unknown) Degenerative + vascular (cerebellar hemorrhage and malacia) + pregnancy-related alterations in circulation possible + aspiration pneumonia	
01DISL010420	2020	2	F	228	133.4	Adult	Multifactorial		
02DISL011520	2020	3	M	94.5	7.7	Perinate	Fetal distress		
04DISL012820	2020	3	M	111	NW	Perinate	Infectious	Unknown	
07DISL021020	2020	3	M	99	9.1	Perinate	Infectious	Brucellosis	
09DISL021720	2020	3	M	101.5	NW	Perinate	Infectious	Brucellosis	
10DISL022120	2020	2	M	217	131.1	Subadult	Infectious	Bacterial	
16DISL031720	2020	3	F	107.5	14.1	Perinate	Unknown - good body condition		
19DISL032020	2020	2	M	167	63.5	Calf	Infectious	Bacterial	
22DISL040820	2020	3	M	269	NW	Adult	Prolonged freshwater exposure		
24DISL040920	2020	3	M	257	225.9	Adult	Prolonged freshwater exposure		
26DISL041020	2020	3	F	202	94.8	Subadult	Prolonged freshwater exposure		
31DISL041620	2020	3	M	176	61.7	Subadult	Prolonged freshwater exposure		
33DISL041920	2020	3	F	246	141.1	Adult	Prolonged freshwater exposure	FW + poor body condition + degenerative + possible inflammatory	
34DISL042120	2020	3	F	175	NW	Subadult	Prolonged freshwater exposure		
37DISL042320	2020	3	M	247	177.8	Adult	Multifactorial	Human interaction (peracute underwater entrapment) + prolonged freshwater exposure	Suspect
44DISL050620	2020	3	M	253	NW	Adult	Prolonged freshwater exposure	FW + poor body condition	
45DISL050620	2020	3	M	214	127 est	Subadult	Prolonged freshwater exposure	FW + poor body condition	
50DISL061920	2020	2	M	120.8	24.5	Calf	Infectious	Parasitic	

52DISL070420	2020	3	M	167	54.9	Calf	Multifactorial	Infectious (parasitic) + pneumonia + pox + possible FW	
56DISL080620	2020	3	M	211	122	Subadult	Unknown - good body condition	Suspect human interaction	
58DISL090320	2020	3	F	220	96.2	Subadult	Unknown - good body condition		
59DISL092420	2020	3	F	223	107	Adult	Unknown - good body condition		
67DISL100120	2020	3	F	203	107	Subadult	Unknown - good body condition		
70DISL112120	2020	3	M	237	164 est.	Subadult	Human interaction	Peracute underwater entrapment	Suspect
71DISL112220	2020	3	F	206	NW	Subadult	Human interaction	Peracute underwater entrapment	Probable
72DISL112620	2020	3	F	252	NW	Adult	Unknown - good body condition	Suspect human interaction	
73DISL121920	2020	3	F	175	74 est.	Subadult	Human interaction	Peracute underwater entrapment	Suspect

Table S2. Quantitative Polymerase Chain Reaction (qPCR) testing results for *Brucella* spp. and PCR testing results for Morbillivirus spp. in bottlenose dolphins (*Tursiops truncatus*) stranded in Alabama 2015–2020. Positive results are in bold. Y: yes; N: no; F: female; M: male; U: undetermined; Pos: positive; Neg: negative; Inc.: inconclusive; CSF: cerebrospinal fluid; LN: lymph node.

Animal ID	Analyzed for COD (Y/N)	Sex	Size Class	Code	Morbillivirus spp. PCR			Brucella spp. qPCR						
					Tested (Y/N)	Lung	Brain	Spinal Cord	Tested (Y/N)	Lung	Repro	Brain	Spinal Cord	Other
04DISL031015	N	F	Perinate	3 (late)	N				Y	Pos				
05DISL031115	N	F	Perinate	4	N				Y	Pos				
08DISL032015	N	M	Perinate	3 (late)	N				Y	Pos				
09DISL033015	N	M	Perinate	4	N				Y	Neg				
10DISL040115	Y	M	Perinate	2	N				Y	Neg				
14DISL051615	Y	M	Perinate	3	N				Y	Neg				
17DISL081315	Y	F	Calf	2	Y		Neg		Y	Neg				
18DISL090115	N	F	Calf	3 (early)	Y		Neg		Y	Neg				
20DISL111015	Y	F	Adult	3 (early)	N				Y		Neg			
21DISL111115	Y	F	Subadult	2	Y		Neg		N					
23DISL121015	N	M	Perinate	3 (late)	N				Y	Pos				
24DISL121815	Y	M	Adult	3 (early)	Y	Neg			Y			Neg		
26DISL122915	Y	F	Adult	2	Y	Neg			Y			Neg		
04DISL021716	Y	F	Perinate	3 (early)	Y		Neg		Y	Neg				
07DISL031516	Y	F	Perinate	2	Y			Neg	Y	Neg				Neg (lung abscess)
11DISL032516-R	Y	F	Subadult	2	N				Y	Neg		Neg		
12DISL033016	N	M	Calf	3 (late)	N				Y	Neg				
15DISL040316	Y	F	Perinate	3	N				Y	Neg				
19DISL042016	Y	M	Perinate	2	Y		Neg		Y	Neg				
33DISL052916	Y	M	Adult	2	N				Y				Neg	
47DISL091916	Y	F	Adult	2	Y		Neg		Y	Neg				
52DISL122716	Y	F	Adult	3 (early)	N				Y	Neg				

10DISL030917	Y	F	Adult	2	Y		Neg		Y	Neg			
15DISL032517	Y	F	Perinate	3	N				Y	Neg			
16DISL033017	Y	F	Perinate	3	N				Y	Neg			
18DISL041117	N	M	Perinate	3 (late)	N				Y	Neg			
20DISL042617	Y	M	Subadult	2	Y		Neg		Y	Neg			
23DISL051617	Y	M	Subadult	3	N				Y	Neg			
26DISL071217	N	F	Calf	3	N				Y	Pos			
27DISL071217	Y	M	Adult	2	Y		Neg		Y	Neg			
33DISL091517	Y	M	Subadult	2	Y		Neg		N				
34DISL091517	Y	M	Subadult	2	Y		Neg		N				
35DISL091617	Y	F	Calf	3	N				Y	Neg			
36DISL092117	Y	F	Adult	3	N				Y	Neg			Pos (CSF)
37DISL092217	Y	F	Perinate	3	N				Y	Neg			
38DISL092617	Y	F	Perinate	3	Y		Neg		Y	Neg			
39DISL092817	Y	F	Calf	2	Y		Neg		N				
01DISL011118	Y	F	Adult	3 (late)	Y		Neg		Y	Neg			
06DISL030318	Y	M	Subadult	3	N				Y	Neg			
09DISL032818	Y	M	Perinate	2	N				Y	Neg			
10DISL040118	Y	F	Calf	3 (early)	Y		Neg		Y			Neg	
11DISL040218	Y	M	Subadult	3 (late)	N				Y	Neg			
15DISL040818	Y	M	Perinate	3 (early)	N				Y	Neg			
18DISL042118	Y	U	Subadult	3 (early)	N				Y	Pos			
23DISL061818	Y	U	Adult	3 (early)	Y		Neg		Y			Neg	
32DISL100818	Y	F	Adult	3 (late)	N				Y	Neg			
34DISL102018	Y	M	Adult	3 (late)	Y		Neg	Neg	Y	Neg	Neg		Neg
36DISL111818	Y	F	Calf	3 (early)	Y		Neg	Neg	Y	Neg	Neg	Neg	Neg
38DISL121118	Y	F	Subadult	3	Y		Neg		Y		Neg		
01DISL010619	Y	M	Subadult	3 (late)	Y			Neg	Y	Neg			
02DISL020319	Y	F	Subadult	2	Y		Neg	Neg	Y	Neg			
04DISL020919	Y	U	Perinate	3 (late)	Y			Neg	Y	Pos			

05DISL020919	Y	M	Subadult	3	Y	Neg	Neg		Y	Neg			
06DISL021619	Y	M	Subadult	2	Y	Neg	Neg	Neg	Y	Neg			
07DISL021819	N	F	Perinate	3 (late)	N				Y	Pos			
08DISL022119	Y	M	Subadult	3 (late)	N				Y	Neg			
10DISL022519	Y	M	Perinate	3 (late)	Y	Neg	Neg	Neg	Y	Pos			
11DISL022619	Y	F	Adult	2	Y	Neg	Neg		Y	Neg	Neg	Neg	
12DISL022619	Y	M	Subadult	2	Y	Neg		Neg	Y	Neg	Neg		Neg
13DISL030819	Y	M	Subadult	3 (late)	Y	Neg		Neg	Y	Neg			
14DISL030919	Y	F	Calf	3 (late)	Y			Neg	Y	Neg			
15DISL031119	Y	M	Perinate	3 (early)	Y		Neg	Neg	Y	Neg			
16DISL031219	Y	F	Adult	3 (late)	N				Y	Neg			
18DISL032619	Y	M	Perinate	3	Y	Neg	Neg	Neg	Y	Neg			
20DISL040319	Y	M	Subadult	3 (early)	Y	Neg	Neg		Y	Neg			
21DISL040519	Y	M	Calf	2	Y	Neg	Neg	Neg	Y	Neg			
22DISL040619	Y	F	Adult	3 (late)	N				Y	Neg	Pos		Neg
25DISL041219	Y	F	Calf	2	Y	Neg	Neg	Neg	Y	Neg		Neg	Neg
26DISL041319	Y	M	Perinate	3 (early)	Y			Neg	Y	Neg			
29DISL042619	Y	F	Subadult	3 (late)	N				Y	Neg			
30DISL051419	Y	M	Adult	3	Y	Neg	Neg		Y	Neg			
32DISL053019	Y	M	Adult	3 (late)	Y	Neg			Y	Neg			
33DISL053019	Y	F	Adult	3	Y	Neg	Neg	Neg	Y	Neg	Neg	Neg	
35DISL060819	Y	M	Adult	2	Y	Neg	Neg		Y	Neg	Neg	Inc.	Pos
36DISL061319	N	F	Adult	3 (late)	Y		Neg		Y			Neg	
37DISL061319	Y	M	Calf	3 (late)	N				Y	Pos			
39DISL062419	N	U	Unknown	3 (late)	N				Y	Pos			
40DISL070219	Y	F	Subadult	3	Y	Neg	Neg		Y	Neg	Neg	Neg	Neg
43DISL072719	Y	M	Subadult	3 (early)	Y	Neg	Neg	Neg	Y	Neg	Neg	Neg	Neg
46DISL080919	Y	M	Adult	3	Y	Neg	Neg	Neg	Y	Neg	Neg	Neg	Neg
49DISL100519	Y	F	Calf	3	Y	Neg		Neg	Y	Neg			Neg
50DISL102719	Y	F	Adult	3	Y	Neg	Neg	Neg	Y	Neg	Neg	Neg	Neg

52DISL110319	Y	F	Subadult	2	Y	Neg	Neg	Neg	Y	Neg	Neg	Neg	Neg
57DISL122619	N	M	Adult	3	Y	Neg			N				
01DISL010420	Y	F	Adult	2	Y	Neg	Neg	Neg	Y		Neg		
02DISL011520	Y	M	Perinate	3	Y	Neg			Y	Neg			
04DISL012820	Y	M	Perinate	3	Y			Neg	Y				Neg
07DISL021020	Y	M	Perinate	3	Y	Neg		Neg	Y	Pos			
08DISL021220	N	F	Perinate	3	N				Y				Neg
09DISL021720	Y	M	Perinate	3 (early)	N				Y				Neg
10DISL022120	Y	M	Subadult	2	Y	Neg	Neg	Neg	Y		Neg	Neg	Pos (LN) Neg (Prostate)
11DISL022720	N	U	Perinate	4	Y			Neg	Y				Neg
12DISL031020	N	M	Perinate	3	Y		Neg	Neg	Y			Neg	
14DISL031120	N	F	Perinate	3 (late)	Y			Neg	Y				Pos
16DISL031720	Y	F	Perinate	3 (early)	Y	Neg	Neg	Neg	Y	Neg		Neg	
19DISL032020	Y	M	Calf	2	Y		Neg	Neg	Y	Neg	Neg		
24DISL040920	Y	M	Adult	3 (early)	Y	Neg	Neg	Neg	Y	Neg	Neg	Neg	Neg
25DISL041020	N	F	Calf	3 (late)	Y	Neg	Neg	Neg	Y			Neg	
32DISL041820	N	F	Adult	4	Y	Neg			Y	Neg			
40DISL043020	N	M	Subadult	4	N				Y		Pos		
48DISL052720	N	U	Unknown	4	Y		Neg		Y			Neg	
52DISL070420	Y	M	Calf	3	Y	Neg	Neg	Neg	Y		Neg	Neg	
54DISL070820	N	F	Subadult	3	Y	Neg			Y	Neg			