

SUPPLEMENTARY MATERIAL

Supplementary Table S1

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
HG-SE-001	Grey seal	2002-12-28	Male	3	Sweden	Arkona Basin	Found dead		+	IL
HG-SE-002	Grey seal	2002-10-25	Male	14	Sweden	Baltic proper	Shot		+	IL
HG-SE-003	Grey seal	2002-05-10	Female	13	Sweden	Bothnian Bay	Shot		+	IL
HG-SE-004	Grey seal	2002-11-03	Female	3	Sweden	Bothnian Bay	Shot		+	IL
HG-SE-005	Grey seal	2002-04-25	Female	0-1	Sweden	Bothnian Sea	Bycaught		+	IL
HG-SE-006	Grey seal	2002-08-20	Female	0-1	Sweden	Bothnian Sea	Shot		+	IL
HG-SE-007	Grey seal	2002-10-21	Female	11	Sweden	Bothnian Sea	Bycaught		+	IL
HG-SE-008	Grey seal	2002-04-03	Male	6	Sweden	Skagerrak	Found dead		+	IL
HG-SE-009	Grey seal	2003-05-25	Female	5	Sweden	Baltic proper	Bycaught		+	IL
HG-SE-010	Grey seal	2003-11-16	Male	32	Sweden	Baltic proper	Bycaught		+	IL
HG-SE-011	Grey seal	2003-04-22	Male	0-1	Sweden	Bornholm Basin	Bycaught		+	IL
HG-SE-012	Grey seal	2003-05-04	Male	3	Sweden	Bothnian Sea	Bycaught		+	IL
HG-SE-013	Grey seal	2003-07-08	Female	3	Sweden	Bothnian Sea	Shot		+	IL
HG-DK-001	Grey seal	2010-06-26	Male	Young	Denmark	Kattegat	Shot		+	PL
HG-DK-002	Grey seal	2010-03-03	Male	Adult	Denmark	The Sound	Found dead		+	PL
HG-DK-003	Grey seal	2012-08-12	Male	-	Denmark	SW Baltic	Shot		+	PL
HG-SE-014	Grey seal	2013-04-21	Female	3	Sweden	Baltic proper	Shot		+	IL
HG-SE-015	Grey seal	2013-08-07	Male	0	Sweden	Baltic proper	Entanglement		+	IL
HG-SE-016	Grey seal	2013-05-11	Female	0	Sweden	Bothnian Bay	Shot		+	IL
HG-SE-017	Grey seal	2013-07-25	Female	5	Sweden	Bothnian Bay	Shot		+	IL
HG-SE-018	Grey seal	2013-04-27	Male	17	Sweden	Bothnian Sea	Shot		+	IL
HG-SE-019	Grey seal	2013-08-01	Female	6	Sweden	Bothnian Sea	Shot		+	IL
HG-DK-004	Grey seal	2014-01-15	-	-	Denmark	Arkona Basin	Found dead		+	PL
HG-DK-005	Grey seal	2014-11-22	Male	-	Denmark	Arkona Basin	Found dead		+	PL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
HG-SE-020	Grey seal	2014-04-25	Female	19	Sweden	Baltic proper	Shot		+	IL
HG-SE-021	Grey seal	2014-08-25	Female	3	Sweden	Baltic proper	Entanglement		+	IL
HG-SE-022	Grey seal	2014-12-31	Male	2	Sweden	Bornholm Basin	Shot		+	IL
HG-SE-023	Grey seal	2014-12-31	Male	2	Sweden	Bornholm Basin	Shot		+	IL
HG-SE-024	Grey seal	2014-05-11	Male	8	Sweden	Bothnian Bay	Shot		+	IL
HG-SE-025	Grey seal	2014-08-24	Male	10	Sweden	Bothnian Bay	Shot		+	IL
HG-SE-026	Grey seal	2014-07-19	Male	4	Sweden	Bothnian Sea	Shot		+	IL
HG-SE-027	Grey seal	2014-10-24	Male	2	Sweden	Bothnian Sea	Entanglement		+	IL
HG-DK-006	Grey seal	2014-05-02	-	Pub	Denmark	Danish Straits	Found dead		+	PL
HG-DK-007	Grey seal	2014-04-23	Female	Adult	Denmark	SW Baltic	Found dead		+	PL
HG-DK-008	Grey seal	2014-11-22	Male	Adult	Denmark	The Sound	Found dead		+	PL
HG-DK-009	Grey seal	2014-03-02	Female	Juvenile	Denmark	West coast	Shot		+	PL
HG-SE-028	Grey seal	2015-04-28	Male	7	Sweden	Baltic proper	Shot		+	IL
HG-SE-029	Grey seal	2015-05-08	Male	5	Sweden	Bornholm Basin	Shot		+	IL
HG-SE-030	Grey seal	2015-08-13	Female	8	Sweden	Bornholm Basin	Shot		+	IL
HG-SE-031	Grey seal	2015-11-03	Male	12	Sweden	Bornholm Basin	Shot		+	IL
HG-SE-032	Grey seal	2015-05-08	Male	18	Sweden	Bothnian Bay	Shot		+	IL
HG-SE-033	Grey seal	2015-04-24	Female	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-034	Grey seal	2015-04-24	-	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-035	Grey seal	2015-04-25	Male	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-036	Grey seal	2015-04-25	Male	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-037	Grey seal	2015-07-15	Female	2	Sweden	Bothnian Sea	Shot		+	IL
HG-SE-038	Grey seal	2016-09-19	Female	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-PL-001	Grey seal	2017-07-12	Female	Yearling	Poland	Bornholm Basin	Euthanized	+	+	SP, IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
HG-SE-039	Grey seal	2018-09-02	Female	Adult	Sweden	Arkona Basin	Shot	+	+	SP, IS
HG-SE-040	Grey seal	2018-09-02	Male	Adult	Sweden	Arkona Basin	Shot	+	+	SP, IL
HG-SE-041	Grey seal	2018-09-02	Female	Adult	Sweden	Arkona basin	Shot	+	+	SP, IL
HG-PL-002	Grey seal	2018-03-16	Male	Adult	Poland	Baltic proper	Found dead	+	+	SP, IL
HG-PL-003	Grey seal	2018-04-05	Male	Pup	Poland	Baltic proper	Euthanized		+	IL
HG-PL-004	Grey seal	2018-06-06	Female	Yearling	Poland	Baltic proper	Found dead	+		SP
HG-PL-005	Grey seal	2018-06-14	Female	Yearling	Poland	Baltic proper	Found dead	+	+	SP, IL
HG-SE-042	Grey seal	2018-08-05	Male	Juvenile	Sweden	Baltic proper	Shot	+		SP, IL
HG-SE-043	Grey seal	2018-08-05	Male	Adult	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-044	Grey seal	2018-08-05	Male	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-045	Grey seal	2018-08-05	Male	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-046	Grey seal	2018-08-05	Male	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-047	Grey seal	2018-08-05	Female	Juvenile	Sweden	Baltic proper	Shot		+	IL
HG-SE-048	Grey seal	2018-08-05	Male	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-049	Grey seal	2018-08-06	Male	Adult	Sweden	Baltic proper	Shot	+		SP, IL
HG-SE-050	Grey seal	2018-08-07	Male	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-051	Grey seal	2018-08-07	Female	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-052	Grey seal	2018-08-29	Male	-	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-053	Grey seal	2018-08-31	Male	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-054	Grey seal	2018-09-05	Female	-	Sweden	Baltic proper	Shot		+	IL
HG-SE-055	Grey seal	2018-09-13	Male	-	Sweden	Baltic proper	Shot		+	IL
HG-SE-056	Grey seal	2018-09-19	Male	Juvenile	Sweden	Baltic proper	Shot		+	IL
HG-PL-006	Grey seal	2018-10-25	Male	Yearling	Poland	Baltic proper	Euthanized	+	+	SP, IL
HG-SE-057	Grey seal	2018-?-?	Female	-	Sweden	Baltic proper	Shot	+	+	SP, IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
HG-SE-058	Grey seal	2018-?-?	Female	Juvenile	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-PL-007	Grey seal	2018-05-01	Male	Yearling	Poland	Bornholm Basin	Found dead	+	+	SP, IL
HG-SE-059	Grey seal	2018-08-05	Male	-	Sweden	Bornholm Basin	Shot	+	+	SP, IL
HG-SE-060	Grey seal	2018-08-29	Female	Adult	Sweden	Bornholm Basin	Shot	+	+	SP, IL
HG-SE-061	Grey seal	2018-09-07	Female	-	Sweden	Bornholm Basin	Shot	+	+	SP, IL
HG-SE-062	Grey seal	2018-08-26	Male	Adult	Sweden	Bornholm Basin	Shot	+	+	SP, IL
HG-SE-063	Grey seal	2018-09-02	-	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL
HG-SE-064	Grey seal	2018-09-02	Female	Juvenile	Sweden	Bothnian Bay	Bycaught	+	+	SP, IL
HG-SE-065	Grey seal	2018-08-02	Female	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-066	Grey seal	2018-08-02	Male	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-067	Grey seal	2018-08-02	-	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-068	Grey seal	2018-08-03	Male	Subadult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-069	Grey seal	2018-08-03	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-070	Grey seal	2018-08-04	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-071	Grey seal	2018-08-04	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-072	Grey seal	2018-08-10	Male	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-073	Grey seal	2018-08-14	Male	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-074	Grey seal	2018-08-14	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-075	Grey seal	2018-08-14	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-076	Grey seal	2018-08-15	Male	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-077	Grey seal	2018-08-15	Female	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-078	Grey seal	2018-08-15	Male	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-079	Grey seal	2018-08-15	Female	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-080	Grey seal	2018-08-20	Male	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
HG-SE-081	Grey seal	2018-08-20	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-082	Grey seal	2018-08-22	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-083	Grey seal	2018-08-22	Male	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-084	Grey seal	2018-08-22	Female	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-085	Grey seal	2018-08-22	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-086	Grey seal	2018-08-24	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-087	Grey seal	2018-08-25	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-088	Grey seal	2018-08-25	Female	Adult	Sweden	Bothnian Sea	Bycaught	+	+	SP, IL
HG-SE-089	Grey seal	2018-09-02	Male	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-090	Grey seal	2018-09-02	Female	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-091	Grey seal	2018-09-02	Female	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-092	Grey seal	2018-09-04	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-093	Grey seal	2018-09-04	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-094	Grey seal	2018-09-04	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-095	Grey seal	2018-09-04	Female	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-096	Grey seal	2018-09-07	Female	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-097	Grey seal	2018-09-13	Male	Adult	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-098	Grey seal	2018-10-01	Female	Juvenile	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-SE-099	Grey seal	2018-10-20	Male	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-GE-001	Grey seal	2018-07-31	Female	Adult	Germany	North Sea	Shot	+	+	SP, IL
HG-DK-010	Grey seal	2019-02-05	Female	Adult	Denmark	Arkona Basin	Shot	+	+	SP, IL
HG-DK-011	Grey seal	2019-10-01	Male	Adult	Denmark	Arkona Basin	Shot	+	+	SP, IL
HG-SE-100	Grey seal	2019-08-03	Male	-	Sweden	Baltic proper	Bycaught		+	IL
HG-SE-101	Grey seal	2019-08-15	Male	-	Sweden	Baltic proper	Bycaught	+	+	SP, IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
HG-SE-102	Grey seal	2019-09-04	Male	-	Sweden	Baltic proper	Bycaught	+	+	SP, IL
HG-SE-103	Grey seal	2019-09-16	Female	-	Sweden	Baltic proper	Bycaught		+	IL
HG-SE-104	Grey seal	2019-10-15	Male	-	Sweden	Baltic proper	Shot	+	+	SP, IL
HG-SE-105	Grey seal	2019-08-10	Fenale	-	Sweden	Bothnian Sea	Shot	+	+	SP, IL
HG-GE-002	Grey seal	2019-03-23	Male	-	Germany	North Sea	Shot	+	+	SP, IL
HG-PL-008	Grey seal	2019-04-14	Male	-	Poland	-	Found dead	+	+	SP, IL

Supplementary Table S1. Overview of grey seal samples screened in this study including sample information such as collection date, sex, age, collection area and sample type listed when possible. (-) indicates that there is no available information. The sample type for each extraction is indicated by SP = Pooled extractions of tracheal swabs, IL = Individual extraction from lung tissue, PL = Pooled extractions of lung tissue from 3-5 individuals.

Supplementary Table S2

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PV-SE-001	Harbour seal	2002-09-07	Male	2	Sweden	Baltic proper (Kalmarsund)	Found dead	-	+	IL
PV-SE-002	Harbour seal	2002-07-25	Male	4	Sweden	Skagerrak	Found dead	-	+	IL
PV-SE-003	Harbour seal	2003-10-14	Male	-	Sweden	Baltic proper (Kalmarsund)	Bycaught	-	+	IL
PV-DK-001	Harbour seal	2003-05-27	Female	2 years	Denmark	Danish straits	Shot	-	+	PL
PV-DK-002	Harbour seal	2003-08-04	Male	-	Denmark	Danish straits	Shot	-	+	PL
PV-DK-003	Harbour seal	2006-11-15	Female	1-2 years	Denmark	Danish straits	Shot	-	+	PL
PV-DK-004	Harbour seal	2006-09-22	Female	2-3 years	Denmark	Kattegat	Bycaught	-	+	PL
PV-DK-005	Harbour seal	2006-09-22	Male	0-1 years	Denmark	Kattegat	Bycaught	-	+	PL
PV-DK-006	Harbour seal	2007-06-21	Female	0 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-007	Harbour seal	2007-06-21	Male	1-2 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-008	Harbour seal	2007-06-21	Male	1-2 Years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-009	Harbour seal	2007-06-21	Male	> 1 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-010	Harbour seal	2007-06-21	Female	> 1 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-011	Harbour seal	2007-06-21	Female	> 1 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-012	Harbour seal	2007-06-21	Female	> 1 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-013	Harbour seal	2007-06-21	Female	> 1 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-014	Harbour seal	2007-06-21	Female	1	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-015	Harbour seal	2008-09-30	Female	Adult	Denmark	Danish straits	Shot	-	+	PL
PV-DK-016	Harbour seal	2008-06-16	Male	0 years	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-017	Harbour seal	2010-08-12	Male	-	Denmark	Arkona Basin	Shot	-	+	PL
PV-DK-018	Harbour seal	2010-11-21	Female	Adult	Denmark	Danish straits	NA	-	+	IL
PV-DK-019	Harbour seal	2010-07-01	Female	Juvenile/Yearling	Denmark	Kattegat	Found dead	-	+	PL
PV-DK-020	Harbour seal	2011-05-11	Male	Adult	Denmark	Danish straits	Shot	-	+	PL
PV-DK-021	Harbour seal	2012-08-12	Female	-	Denmark	Arkona Basin	Shot	-	+	PL
PV-DK-022	Harbour seal	2012-08-12	Male	Adult	Denmark	Arkona Basin	Shot	-	+	IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PV-DK-023	Harbour seal	2012-09-29	Female	2-3 years	Denmark	Arkona Basin	Shot	-	+	PL
PV-SE-004	Harbour seal	2012-11-13	Male	8	Sweden	Baltic proper	Shot	-	+	IL
PV-DK-024	Harbour seal	2012-08-22	Male	Juvenile	Denmark	Danish straits	Shot	-	+	PL
PV-DK-025	Harbour seal	2012-05-25	Female	-	Denmark	The Sound	Shot	-	+	PL
PV-DK-026	Harbour seal	2014-11-24	Male	-	Denmark	Arkona Basin	Bycaught	-	+	PL
PV-SE-005	Harbour seal	2014-04-01	Male	2	Sweden	Baltic proper	Entanglement	-	+	IL
PV-SE-006	Harbour seal	2014-09-21	Male	6	Sweden	Baltic proper	Entanglement	-	+	IL
PV-DK-027	Harbour seal	2014-09-13	Male	0	Denmark	Kattegat	Found dead	-	+	PL, IL
PV-DK-028	Harbour seal	2014-08-29	Female	-	Denmark	Limfjorden	Euthanized	-	+	PL, IL
PV-DK-029	Harbour seal	2014-08-29	Male	-	Denmark	Limfjorden	Euthanized	-	+	PL, IL
PV-DK-030	Harbour seal	2014-08-29	Male	-	Denmark	Limfjorden	Euthanized	-	+	PL, IL
PV-DK-031	Harbour seal	2014-08-29	Female	-	Denmark	Limfjorden	Euthanized	-	+	PL, IL
PV-DK-032	Harbour seal	2014-02-21	Female	Juvenile	Denmark	North Sea	Found dead	-	+	PL
PV-DK-033	Harbour seal	2014-04-28	Female	Adult	Denmark	North Sea	Shot	-	+	PL
PV-DK-034	Harbour seal	2014-05-07	Female	Young	Denmark	The Sound	Shot	-	+	PL
PV-DK-035	Harbour seal	2014-05-07	Female	Young	Denmark	The Sound	Shot	-	+	PL
PV-DK-036	Harbour seal	2014-05-07	Male	Adult	Denmark	The Sound	Shot	-	+	PL
PV-DK-037	Harbour seal	2014-08-28	Female	Young	Denmark	The Sound	Shot	-	+	PL
PV-DK-038	Harbour seal	2014-08-28	Female	Adult	Denmark	The Sound	Shot	-	+	PL
PV-SE-007	Harbour seal	2015-02-03	Female	3	Sweden	The Sound	Entanglement	-	+	IL
PV-DK-039	Harbour seal	2015-04-07	Female	Immature	Denmark	The Sound	Shot	-	+	PL
PV-DK-040	Harbour seal	2016-01-15	Male	Adult	Denmark	The Sound	Shot	-	+	PL
PV-SE-008	Harbour seal	2018-10-11	Male	-	Sweden	Bornholm Basin	Bycaught	-	+	IL
PV-DK-041	Harbour seal	2018-08-20	Male	Current year	Denmark	Danish Straits	Bycaught	+	+	SP, IL
PV-DK-042	Harbour seal	2018-10-29	Female	Adult	Denmark	Danish Straits	Shot	+	+	SP, IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PV-GE-001	Harbour seal	2018-11-01	Male	-	Germany	Danish Straits	Euthanized	+	+	SP, IL
PV-SE-009	Harbour seal	2018-11-21	Female	Adult	Sweden	Kattegat	Shot		+	IL
PV-SE-010	Harbour seal	2018-12-25	Male	Adult	Sweden	Kattegat	Shot	+	+	SP, IL
PV-SE-011	Harbour seal	2018-10-01	Female	Adult	Sweden	Kattegat	Shot	+	+	SP, IL
PV-SE-012	Harbour seal	2018-10-01	Female	0-1	Sweden	Kattegat	Shot	+	+	SP, IL
PV-SE-013	Harbour seal	2018-10-01	Male	0-1	Sweden	Kattegat	Shot	+	+	SP, IL
PV-SE-014	Harbour seal	2018-10-04	Female	0-1	Sweden	Kattegat	Shot	+	+	SP, IL
PV-SE-015	Harbour seal	2018-10-04	Male	0-1	Sweden	Kattegat	Shot	+	+	SP, IL
PV-SE-016	Harbour seal	2018-10-07	Female	-	Sweden	Kattegat	Shot	+	+	SP, IL
PV-SE-017	Harbour seal	2018-10-07	Female	0-1	Sweden	Kattegat	Shot	+	+	SP, IL
PV-GE-002	Harbour seal	2018-01-13	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL
PV-GE-003	Harbour seal	2019-02-20	Female	Adult	Germany	North Sea	Found dead		+	IL
PV-GE-004	Harbour seal	2018-10-05	Male	-	Germany	North Sea	Shot	+	+	SP, IL*
PV-GE-005	Harbour seal	2018-12-03	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-006	Harbour seal	2018-12-08	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-007	Harbour seal	2018-12-09	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-008	Harbour seal	2018-12-09	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-009	Harbour seal	2018-12-09	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-010	Harbour seal	2018-12-10	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-011	Harbour seal	2018-12-11	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-012	Harbour seal	2018-12-30	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-SE-018	Harbour seal	2018-10-01	-	-	Sweden	Skagerarak	Shot		+	IL
PV-SE-019	Harbour seal	2018-10-12	Female	Adult	Sweden	Skagerrak	Shot	+	+	SP, IL
PV-SE-020	Harbour seal	2018-12-25	Female	Adult	Sweden	Skagerrak	Shot	+		SP
PV-DK-043	Harbour seal	2018-10-10	Male	Juvenile	Denmark	The Sound	Shot		+	PL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PV-DK-044	Harbour seal	2018-10-10	-	-	Denmark	The Sound	NA		+	PL
PV-DK-045	Harbour seal	2019-07-21	Male	Last year	Denmark	Danish Straits	Bycaught	+		SP
PV-DK-046	Harbour seal	2019-08-11	Female	Current year	Denmark	Danish Straits	Bycaught	+	+	SP, IL
PV-DK-047	Harbour seal	2019-08-28	Male	Last year	Denmark	Danish Straits	Bycaught	+	+	SP, IL
PV-DK-048	Harbour seal	2019-09-18	Female	Current year	Denmark	Danish Straits	Shot	+	+	SP, IL
PV-DK-049	Harbour seal	2019-10-09	Male	Last year	Denmark	Danish Straits	Shot	+	+	SP, IL
PV-DK-050	Harbour seal	2019-10-22	Female	Last year	Denmark	Danish Straits	Bycaught	+	+	SP, IL
PV-DK-051	Harbour seal	2019-04-28	Male	Last year	Denmark	Kattegat	Bycaught	+	+	SP, IL
PV-DK-052	Harbour seal	2019-04-28	Female	Last year	Denmark	Kattegat	Shot	+	+	SP, IL
PV-GE-013	Harbour seal	2019-01-04	Male	Last year	Germany	North Sea	Found dead	+		SP
PV-GE-014	Harbour seal	2019-01-07	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-GE-015	Harbour seal	2019-01-08	Female	Adult	Germany	North Sea	Shot	+		SP
PV-GE-016	Harbour seal	2019-03-10	Female	Last year	Germany	North Sea	Shot		+	IL
PV-GE-017	Harbour seal	2019-07-02	Male	Last year	Germany	North Sea	Found dead	+	+	SP, IL
PV-GE-018	Harbour seal	2019-07-23	Male	Last year	Germany	North Sea	Found dead	+	+	SP, IL
PV-GE-019	Harbour seal	2019-12-05	Female	Adult	Germany	North Sea	Found dead	+	+	SP, IL*
PV-DK-053	Harbour seal	2019-04-07	Male	Last year	Denmark	The Sound	Shot	+	+	SP, IL
PV-DK-054	Harbour seal	2019-05-15	Female	Adult	Denmark	The Sound	Shot	+	+	SP, IL
PV-DK-055	Harbour seal	2019-05-24	Male	Current year	Denmark	The Sound	Shot	+	+	SP, IL
PV-DK-056	Harbour seal	2019-06-03	Male	Last year	Denmark	The Sound	Shot	+	+	SP, IL
PV-DK-057	Harbour seal	2019-06-03	Female	Adult	Denmark	The Sound	Shot	+	+	SP, IL
PV-DK-058	Harbour seal	2019-08-19	Female	Current year	Denmark	The Sound	Bycaught	+	+	SP, IL
PV-DK-059	Harbour seal	2019-08-24	Male	Adult	Denmark	The Sound	Shot	+		SP, IL
PV-GE-020	Harbour seal	2019-03-14	Male	-	Germany	North Sea	Shot		+	IL

Supplementary Table S2. Overview of harbour seal samples screened in this study including sample information such as collection date, sex, age, collection area and sample type listed when possible. (-) indicates that there is no available information. The sample type for each extraction is indicated by SP = Pooled extractions of tracheal swabs, IL = Individual extraction from lung tissue, PL = Pooled extractions of lung tissue from 3-5 individuals. * = Samples which were screened separately possibly as pooled samples.

Supplementary Table S3

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PH-SE-001	Ringed seal	2002-04-29	Female	2	Sweden	Baltic proper	Bycaught		+	PL
PH-SE-002	Ringed seal	2002-09-30	Female	0-1	Sweden	Baltic proper	Bycaught		+	PL
PH-SE-003	Ringed seal	2002-09-22	Male	0-1	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-004	Ringed seal	2002-09-24	Male	-	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-005	Ringed seal	2003-06-26	Female	-	Sweden	Bothnian Bay	Bycaught		+	PL
PH-SE-006	Ringed seal	2003-05-05	Male	0-1	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-007	Ringed seal	2003-08-22	Female	-	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-008	Ringed seal	2003-10-13	Male	-	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-009	Ringed seal	2006-10-25	Male	0-1	Sweden	Baltic proper	Bycaught		+	PL
PH-SE-010	Ringed seal	2006-10-11	Female	0-1	Sweden	Bornholm Basin	Bycaught		+	PL
PH-SE-011	Ringed seal	2006-12-13	Male	-	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-012	Ringed seal	2007-09-19	Female	Adult	Sweden	Bothnian Bay	Found dead		+	PL
PH-SE-013	Ringed seal	2007-05-11	Male	0-1	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-014	Ringed seal	2007-06-26	Male	-	Sweden	Bothnian Sea	Found alive		+	PL
PH-SE-015	Ringed seal	2007-10-02	Male	-	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-016	Ringed seal	2007-11-05	Female	1	Sweden	Bothnian Sea	Bycaught		+	PL
PH-SE-017	Ringed seal	2008-05-23	Male	12	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-018	Ringed seal	2008-05-28	Female	13	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-019	Ringed seal	2008-05-29	Female	7	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-020	Ringed seal	2008-06-16	Male	3	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-021	Ringed seal	2008-04-06	Male	0-1	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-022	Ringed seal	2008-05-20	Female	0-1	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-023	Ringed seal	2008-08-02	Female	0-1	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-024	Ringed seal	2013-04-22	Male	11	Sweden	Baltic proper	Shot		+	PL
PH-SE-025	Ringed Seal	2013-08-27	Female	0-1	Sweden	Bothnian Bay	Entanglement		+	PL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PH-SE-026	Ringed seal	2013-11-01	Female	3	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-027	Ringed seal	2013-11-02	Male	12	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-028	Ringed seal	2013-08-02	Male	14	Sweden	Bothnian Sea	Found alive		+	PL
PH-SE-029	Ringed seal	2013-11-19	Male	3	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-030	Ringed seal	2014-09-28	Male	0-1	Sweden	Baltic proper	Entanglement		+	PL
PH-SE-031	Ringed seal	2014-06-20	Male	0-1	Sweden	Bothnian Bay	Entanglement		+	PL
PH-SE-032	Ringed seal	2014-10-17	Male	1	Sweden	Bothnian Bay	Entanglement		+	PL
PH-SE-033	Ringed seal	2014-11-03	Female	23	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-034	Ringed seal	2014-04-02	Male	0-1	Sweden	Bothnian Sea	Found dead		+	PL
PH-SE-035	Ringed seal	2014-05-26	Male	0-1	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-036	Ringed seal	2014-06-28	Female	0-1	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-037	Ringed seal	2015-10-09	Female	0-1	Sweden	Baltic proper	Entanglement		+	PL
PH-SE-038	Ringed seal	2015-05-30	Male	29	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-039	Ringed seal	2015-06-22	Female	1	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-040	Ringed seal	2015-11-19	Female	10	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-041	Ringed seal	2015-12-13	Male	5	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-042	Ringed seal	2015-04-15	Female	3	Sweden	Bothnian Sea	Shot		+	PL
PH-SE-043	Ringed seal	2015-05-27	Female	0-1	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-044	Ringed seal	2017-05-06	Male	18	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-045	Ringed seal	2017-08-01	Female	9	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-046	Ringed seal	2017-08-21	Male	8	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-047	Ringed seal	2017-09-24	Male	5	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-048	Ringed seal	2017-10-01	Male	26	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-049	Ringed seal	2017-10-05	Female	17	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-050	Ringed seal	2017-10-22	Female	11	Sweden	Bothnian Bay	Shot		+	PL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PH-SE-051	Ringed seal	2017-10-29	Female	11	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-052	Ringed seal	2017-11-05	Female	0-1	Sweden	Bothnian Bay	Shot		+	PL
PH-SE-053	Ringed seal	2017-06-03	Male	0-1	Sweden	Bothnian Sea	Entanglement		+	PL
PH-SE-054	Ringed seal	2017-10-20	Female	0-1	Sweden	Bothnian Sea	Entanglement		+	IL
PH-SE-055	Ringed seal	2017-12-18	Male	0-1	Sweden	Bothnian Sea	Shot		+	PL
PH-SE-056	Ringed seal	2018-03-15	Male	23	Sweden	Baltic proper	Found dead		+	PL
PH-SE-057	Ringed seal	2018-06-12	Female	-	Sweden	Bothnian Bay	Shot	+	+	SP, PL
PH-SE-058	Ringed seal	2018-06-13	Male	-	Sweden	Bothnian Bay	Shot	+	+	SP, PL
PH-SE-059	Ringed seal	2018-06-14	Male	-	Sweden	Bothnian Bay	Shot	+	+	SP, PL
PH-SE-060	Ringed seal	2018-06-14	Female	-	Sweden	Bothnian Bay	Shot	+	+	SP, PL
PH-SE-061	Ringed seal	2018-06-14	Female	-	Sweden	Bothnian Bay	Shot	+	+	SP, PL
PH-SE-062	Ringed seal	2018-10-18	Male	-	Sweden	Bothnian Bay	Drowning	+	+	SP, IL
PH-SE-063	Ringed seal	2018-09-02	Male	-	Sweden	Danish straits	Found dead		+	IL
PH-SE-064	Ringed seal	2019-06-04	Male	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*
PH-SE-065	Ringed seal	2019-06-05	Female	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*
PH-SE-066	Ringed seal	2019-06-05	Male	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*
PH-SE-067	Ringed seal	2019-06-05	Male	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*
PH-SE-068	Ringed seal	2019-06-06	Female	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*
PH-SE-069	Ringed seal	2019-06-07	Female	-	Sweden	Bothnian Bay	Shot		+	SP, IL*
PH-SE-070	Ringed seal	2019-06-07	Female	-	Sweden	Bothnian Bay	Shot		+	SP, IL*
PH-SE-071	Ringed seal	2019-06-07	Female	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*
PH-SE-072	Ringed seal	2019-06-07	Male	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*
PH-SE-073	Ringed seal	2019-06-07	Female	-	Sweden	Bothnian Bay	Shot	+	+	SP, IL*

Supplementary Table S3. Overview of ringed seal samples screened in this study including sample information such as collection date, sex, age, collection area and sample type listed when possible. (-) indicates that there is no available information. The sample type for each extraction is indicated by SP = Pooled extractions of tracheal swabs, IL = Individual extraction from lung tissue, PL = Pooled extractions of

lung tissue from 3-5 individuals and PMO = Pooled extractions of mixed organs (lung, spleen, mesenteric lymph node, liver and brain) from the same individual. * = Samples which were screened separately possibly as pooled samples.

Supplementary Table S4.

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PP-DK-001	Harbour porpoise	2007-05-22	Male	Adult	Denmark	Kattegat	Found dead		+	IL
PP-DK-002	Harbour porpoise	2007-04-10	Male	Immature	Denmark	Zealand	Bycaught		+	PL
PP-DK-003	Harbour porpoise	2010-01-05	Male	-	Denmark	Danish straits	Found dead		+	PL
PP-DK-004	Harbour porpoise	2010-05-13	Male	-	Denmark	Danish straits	Bycaught		+	PL
PP-DK-005	Harbour porpoise	2010-03-09	Male	Immature	Denmark	Kattegat	Bycaught		+	IL
PP-DK-006	Harbour porpoise	2010-04-07	Male	-	Denmark	Kattegat	Bycaught		+	PL
PP-DK-007	Harbour porpoise	2010-05-02	Male	-	Denmark	Kattegat	Bycaught		+	PL
PP-DK-008	Harbour porpoise	2010-05-28	Male	-	Denmark	Kattegat	Bycaught		+	PL
PP-DK-009	Harbour porpoise	2010-06-03	Female	-	Denmark	Kattegat	Bycaught		+	IL
PP-DK-010	Harbour porpoise	2010-06-19	Female	-	Denmark	Kattegat	Bycaught		+	IL
PP-DK-011	Harbour porpoise	2010-12-04	Male	-	Denmark	Skagerrak	Bycaught		+	IL
PP-DK-012	Harbour porpoise	2010-03-15	Female	-	Denmark	The Sound	Bycaught		+	PL
PP-DK-013	Harbour porpoise	2010-03-15	Female	-	Denmark	The Sound	Bycaught		+	PL
PP-DK-014	Harbour porpoise	2010-04-15	Male	-	Denmark	The Sound	Found dead		+	PL
PP-DK-015	Harbour porpoise	2010-04-22	Male	-	Denmark	The Sound	Bycaught		+	PL
PP-DK-016	Harbour porpoise	2010-04-22	Male	-	Denmark	The Sound	Bycaught		+	PL
PP-DK-017	Harbour porpoise	2010-04-29	Female	-	Denmark	The Sound	Bycaught		+	PL
PP-DK-018	Harbour porpoise	2010-06-04	Male	Immature	Denmark	The Sound	Bycaught		+	IL
PP-DK-019	Harbour porpoise	2010-06-04	Male	Immature	Denmark	The Sound	Bycaught		+	IL
PP-DK-020	Harbour porpoise	2010-06-08	Male	Immature	Denmark	The Sound	Bycaught		+	IL
PP-DK-021	Harbour porpoise	2010-07-14	Male	-	Denmark	The Sound	Bycaught		+	PL
PP-DK-022	Harbour porpoise	2010-07-22	Female	-	Denmark	The Sound	Bycaught		+	IL
PP-DK-023	Harbour porpoise	2010-08-05	Female	-	Denmark	The Sound	Drowned		+	IL
PP-DK-024	Harbour porpoise	2011-08-05	Female	-	Denmark	Danish Straits	Bycaught		+	IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PP-DK-025	Harbour porpoise	2011-07-02	Female	Adult	Denmark	Kattegat	Bycaught?		+	IL
PP-DK-026	Harbour porpoise	2011-02-04	Female	Juvenile	Denmark	Zealand	Bycaught		+	IL
PP-DK-027	Harbour porpoise	2012-07-02	Female	-	Denmark	North Sea	Found dead		+	IL
PP-DK-028	Harbour porpoise	2015-09-10	Male	0 years	Denmark	The Sound	Found dead		+	IL
PP-DK-029	Harbour porpoise	2017-09-28	Female	0 years	Denmark	Danish straits	Found dead		+	IL
PP-SE-001	Harbour porpoise	2017-11-20	Male	Adult	Sweden	The Sound	Found dead, pneumea		+	IL
PP-DK-030	Harbour porpoise	2018-04-05	Male	-	Denmark	Danish straits	Found dead in pound net		+	IL
PP-DK-031	Harbour porpoise	2018-04-19	Male	-	Denmark	Danish straits	Bycaught		+	IL
PP-GE-001	Harbour porpoise	2018-08-01	Male	-	Germany	Danish Straits	Bycaught?	+	+	SP, IL
PP-DK-032	Harbour porpoise	2018-09-01	Female	Neonate	Denmark	Danish Straits	Found dead	+	+	SP, IL
PP-GE-002	Harbour porpoise	2018-12-01	Male	-	Germany	Danish Straits	Bycaught	+	+	SP*, IL
PP-SE-002	Harbour porpoise	2018-12-18	Male	Adult	Sweden	Kattegat (Skåne)	Found dead		+	IL
PP-SE-003	Harbour porpoise	2018-03-14	Female	Subadult	Sweden	The Sound	Entanglement		+	IL
PP-SE-004	Harbour porpoise	2018-04-08	Male	Subadult	Sweden	The Sound	Found dead		+	IL
PP-DK-033	Harbour porpoise	2019-09-05	Male	Adult	Denmark	Bornholm Basin	Found dead	+	+	SP, IL
PP-GE-003	Harbour porpoise	2019-02-25	Female	-	Germany	Danish Straits	Found dead	+	+	SP, IL
PP-DK-034	Harbour porpoise	2019-07-27	Female	Neonate	Denmark	Danish Straits	Found dead		+	IL
PP-GE-004	Harbour porpoise	2019-08-08	Male	-	Germany	Danish Straits	Bycaught	+	+	SP, IL
PP-GE-005	Harbour porpoise	2019-08-10	Female	Adult	Germany	Danish Straits	Found dead		+	IL
PP-GE-006	Harbour porpoise	2019-08-11	Female	Neonat	Germany	Danish Straits	Found dead		+	PMO
PP-GE-007	Harbour porpoise	2019-08-14	Female	Juvenile	Germany	Danish Straits	Bycaught?		+	PMO
PP-DK-035	Harbour porpoise	2019-08-22	Male	Neonate	Denmark	Danish Straits	Found dead	+	+	SP, IL
PP-GE-008	Harbour porpoise	2019-08-24	Male	-	Germany	Danish Straits	Bycaught	+	+	SP, IL
PP-GE-009	Harbour porpoise	2019-09-07	Female	Juvenile	Germany	Danish Straits	Found dead		+	PMO

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PP-GE-010	Harbour porpoise	2019-09-10	Female	Adult	Germany	Danish Straits	Bycaught?	+	+	SP, IL
PP-GE-011	Harbour porpoise	2019-09-17	Male	Neonat	Germany	Danish Straits	Bycaught	+	+	SP, IL
PP-GE-012	Harbour porpoise	2019-09-19	Female	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-013	Harbour porpoise	2019-09-19	Male	Neonat	Germany	Danish Straits	Found dead		+	PMO
PP-GE-014	Harbour porpoise	2019-09-21	Male	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-015	Harbour porpoise	2019-09-23	Male	Juvenile	Germany	Danish Straits	Bycaught?		+	PMO
PP-DK-036	Harbour porpoise	2019-09-27	Male	Juvenile	Denmark	Danish Straits	Found dead	+	+	SP, IL
PP-GE-016	Harbour porpoise	2019-09-27	Male	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-017	Harbour porpoise	2019-09-29	Female	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-018	Harbour porpoise	2019-10-02	Male	Juvenile	Germany	Danish Straits	Found dead	+	+	SP, IL
PP-GE-019	Harbour porpoise	2019-10-02	Male	Neonat	Germany	Danish Straits	Bycaught?	+	+	SP, IL
PP-GE-020	Harbour porpoise	2019-10-02	Male	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-021	Harbour porpoise	2019-10-04	Female	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-022	Harbour porpoise	2019-10-13	Female	Juvenile	Germany	Danish Straits	Bycaught?		+	PMO
PP-GE-023	Harbour porpoise	2019-10-14	Female	Adult	Germany	Danish Straits	Found dead		+	PMO
PP-GE-024	Harbour porpoise	2019-10-21	Male	Juvenile	Germany	Danish Straits	Bycaught?		+	PMO
PP-GE-025	Harbour porpoise	2019-10-30	Female	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-026	Harbour porpoise	2019-11-05	Female	Juvenile	Germany	Danish Straits	Found dead		+	PMO
PP-GE-027	Harbour porpoise	2019-11-22	Female	Juvenile	Germany	Danish Straits	Bycaught?		+	PMO
PP-GE-028	Harbour porpoise	2019-11-24	Female	Adult	Germany	Danish Straits	Found dead		+	PMO
PP-GE-029	Harbour porpoise	2019-12-17	Female	Juvenile	Germany	Danish Straits	Bycaught		+	PMO
PP-GE-030	Harbour porpoise	2019-10-12	Female	Adult	Germany	German Baltic	Found dead		+	PMO
PP-DK-037	Harbour porpoise	2019-03-06	Female	Juvenile	Denmark	Kattegat	Bycaught	+	+	SP, IL
PP-DK-038	Harbour porpoise	2019-05-23	Male	Juvenile	Denmark	Kattegat	Found dead	+	+	SP, IL

Sample number	Species	Collection date	Sex	Age	Country	Area	Origin of animal	Swab	Tissue	Extraction
PP-DK-039	Harbour porpoise	2019-07-20	Female	Juvenile	Denmark	Kattegat	Found dead	+	+	SP, IL
PP-DK-040	Harbour porpoise	2019-10-02	Male	Juvenile	Denmark	Kattegat	Bycaught?	+	+	SP, IL
PP-GE-031	Harbour porpoise	2019-04-11	Male	Juvenile	Germany	North Sea	Found dead	+		SP
PP-GE-032	Harbour porpoise	2019-04-16	Male	Juvenile	Germany	North Sea	Found dead	+	+	SP, IL
PP-GE-033	Harbour porpoise	2019-09-22	Male	Neonat	Germany	North Sea	Found dead	+	+	SP, IL
PP-DK-041	Harbour porpoise	2019-03-06	Male	Juvenile	Denmark	The Sound	Bycaught		+	IL

Supplementary Table S4. Overview of harbour porpoise samples screened in this study including sample information such as collection date, sex, age, collection area and sample type listed when possible. (-) indicates that there is no available information. The sample type for each extraction is indicated by SP = Pooled extractions of tracheal swabs, IL = Individual extraction from lung tissue, PL = Pooled extractions of lung tissue from 3-5 individuals and PMO = Pooled extractions of mixed organs (lung, spleen, mesenteric lymph node, liver and brain) from the same individual. * Indicates one swap (PP-GE-002) taken from the blowhole of a harbour porpoise