

S-Table S2 A general overview of the 42 *Arcanobacterium phocae* isolates and genomes

Strain	Host source	Isolation location	Geographic region	Year	Accession nro	Status	Coverage	Contigs	Size (Mbps)	G+C (%)	ORFs	Proteins	Ref.
APH37	mink	skin	Ostrobothnia	2009	SAMN14609993	draft	89x	106	2.00	50.1	1997	1904	This study
APH40	finnraccoon	skin	Northern Ostrobothnia	2009	SAMN14609994	draft	41x	107	1.98	50.0	1962	1856	This study
APH41	blue fox	eye discharge	Northern Ostrobothnia	2009	SAMN14609995	draft	61x	106	1.98	50.0	1961	1859	This study
APH67	mink	eyelid	Central Ostrobothnia	2010	SAMN14609996	draft	49x	106	1.98	50.0	1953	1853	This study
APH81	mink	skin	Central Ostrobothnia	2010	SAMN14609997	draft	56x	86	1.97	50.0	1947	1870	This study
APH96	finnraccoon	paw pad	Northern Ostrobothnia	2011	SAMN14609998	draft	66x	207	2.05	50.6	2091	2005	This study
APH98	blue fox	eye discharge	Pirkanmaa	2011	SAMN14609999	draft	70x	92	1.97	50.0	1961	1876	This study
APH105	mink	skin	Central Ostrobothnia	2012	SAMN14610000	draft	65x	99	1.98	50.0	1957	1865	This study
APH107	mink	paw pad	Central Ostrobothnia	2012	SAMN14610001	draft	55x	109	1.98	50.0	1977	1885	This study
APH122	mink	lung	Ostrobothnia	2013	SAMN14610002	draft	72x	93	1.97	50.0	1943	1853	This study
APH127	mink	lung	Ostrobothnia	2014	SAMN14610003	draft	91x	101	1.99	50.2	1989	1889	This study
APH130	mink	paw pad	Northern Ostrobothnia	2015	SAMN14610004	draft	86x	111	1.98	50.0	1971	1869	This study
DSM 10002	seal	lung	coastal waters (Scotland, UK)	1995	SAMN04489737	complete	882x	1	2.00	50.0	1801	1697	Unpublished
52753	finnraccoon	claw	Denmark	2013	SAMN14610006	Draft	66x	29	1.93	50	1740	1687	This study

12814	mink	fluid thorax	Denmark	2015	SAMN 146100 07	Draft	62x	40	1.92	50	172 6	1673	This study
12817	mink	skin	Denmark	2015	SAMN 146100 08	Draft	60x	28	1.93	50	174 2	1689	This study
12824	mink	digit	Denmark	2015	SAMN 146100 09	Draft	51x	40	1.93	50	173 8	1684	This study
13645	mink	lungs	Denmark	2015	SAMN 146100 10	Draft	64x	23	1.94	50. 1	177 2	1718	This study
13808	mink	thorax	Denmark	2015	SAMN 146100 11	Draft	96x	26	1.93	50	174 1	1688	This study
14235	mink	skin	Denmark	2015	SAMN 146100 12	Draft	76x	30	1.92	50	173 6	1683	This study
20171	otter	abscess	Denmark	2015	SAMN 146100 13	Draft	92x	11	1.86	50. 1	163 6	1584	This study
22705	spotted seal	pharynx	Denmark	2015	SAMN 146100 14	Draft	68x	24	1.96	49. 9	173 3	1680	This study
22711	grey seal	claw	Denmark	2015	SAMN 146100 15	Draft	68x	14	1.87	50. 1	167 1	1618	This study
11692	mink	nose	Denmark	2017	SAMN 146100 16	Draft	97x	31	1.93	50	174 3	1689	This study
22984	spotted seal	lesion (right back flipper)	Denmark	2015	SAMN 146100 17	Draft	57x	19	1.88	50. 1	167 5	1620	This study
22985	spotted seal	lesion	Denmark	2015	SAMN 146100 18	Draft	70x	143	2.04	49. 9	182 7	1777	This study
4114	mink	digit	Denmark	2015	SAMN 146100 19	Draft	78x	36	1.92	50	173 3	1680	This study
4544	mink	skin	Denmark	2015	SAMN 146100 20	Draft	69x	23	1.99	50. 4	182 0	1766	This study
11893	mink	lung	Denmark	2017	SAMN 146100 21	Draft	103 x	27	1.93	50	173 7	1684	This study
12172	mink	fluid	Denmark	2017	SAMN 146100 22	Draft	70x	27	1.93	50	174 6	1690	This study
14592	mink	lungs	Denmark	2017	SAMN 146100 23	Draft	57x	25	1.94	50. 1	176 9	1715	This study
ARC106	mink	lung	Finland	2012	SAMN 146100 24	Draft	73x	23	1.95	50. 1	177 0	1717	This study

ARC109	mink	skin	Finland	2013	SAMN 146100 25	Draft	57x	29	1.93	50	174 2	1687	This study
ARC127	mink	lung	Finland	2014	SAMN 146100 26	Draft	74x	20	1.94	50. 1	176 7	1714	This study
ARC131	mink	absces s	Finland	2015	SAMN 146100 27	Draft	68x	29	1.93	50	173 8	1685	This study
SBAK87 2	mink	skin	Finland	2016	SAMN 146100 28	Draft	74x	17	1.94	50. 1	176 0	1707	This study
ARCAN O14	mink	UN	The Netherla nd	2012	SAMN 146100 29	Draft	72x	31	1.94	49. 9	174 5	1692	This study
ARCAN O19	mink	UN	The Netherla nd	2013	SAMN 146100 30	Draft	70x	31	1.94	50	175 2	1698	This study
ARCAN O21	mink	UN	The Netherla nd	2013	SAMN 146100 31	Draft	87x	20	1.95	50. 1	177 5	1722	This study
IN-1A	mink	UN	Spain	2014	SAMN 146100 32	Draft	61x	21	1.95	50. 1	179 7	1746	This study
IN-4A	mink	UN	Spain	2015	SAMN 146100 33	Draft	43x	19	1.94	50. 1	176 6	1714	This study
IN-5A	mink	UN	Spain	2015	SAMN 146100 34	Draft	70x	13	1.86	50. 1	163 6	1581	This study