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MATRILINEAL CATALOGUE

of killer whales in Icelandic waters



West Iceland
Nature Research Centre



Report no. 22 of the West Iceland Nature Research Centre (Náttúrustofa Vesturlands)
Grundarfjörður, April 2023

Mruszczok, Marie-Thérèse (2023). Matrilineal catalogue of killer whales in Icelandic waters. Grundarfjörður: Report no. 22 of the West Iceland Nature Research Centre (Náttúrustofa Vesturlands).

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ISBN 978-9935-25-368-2

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The catalogue is available for download at: www.orcaguardians.org and www.nsv.is

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INTRODUCTORY REMARKS

Iceland's first matrilineal catalogue for killer whales was established thanks to a continued data collection effort from 2014 to 2023 in West Iceland, and with the generous contribution of photo-identification images for the years 2006-2023 by whale watching guides, researchers, and members of the public. In some cases, it was possible to establish these "maternal family trees" in the third generation. As more older images are recovered and new observations are made each year, it might become possible to understand some of the yet unclear relationships. With a year-round effort of data collection at Snæfellsnes and data contributions from other parts of Iceland, the catalogue might also be expanded with observations of new calves in the coming years.

The matrilineal catalogue is an addition to the regularly updated, full photo-identification catalogue maintained by Orca Guardians Iceland and the West Iceland Nature Research Centre (Mruszczok 2022; freely available at: www.orcaguardians.org). Please refer to the full photo-identification catalogue for a more thorough introduction to our long-term study's main objectives, ethical statements, results, and a guide to killer whale identification and occurrence along the Snæfellsnes Peninsula and other parts of Iceland.

METHODOLOGY

Photo-identification was conducted via the commonly accepted standard (Bigg 1982) and is explained in more detail in the full photo-identification catalogue (Mruszczok 2022).

Only matrilineal lines of the most-documented individuals (≥ 15 encounters) spotted over several years (≥ 6 years; at least one encounter per year) and between 2014 and 2023 in West Iceland were included in the analysis. Both alive and deceased individuals were included in the study, and details were compiled on the year of birth (and year of death, if applicable), sex, and, if possible, maternal ancestry.

Individuals were classified as either male or female according to dorsal fin size/shape and body size, and/or the exposure of genitals on the water surface. Females were additionally classified through repeatedly observed close associations with the same calves. The age for young individuals was determined via the body size, presence or absence of fetal folds, and presence or absence of coloration of the eye patches. The age for subadult and (now) adult male individuals was estimated depending on changes of body size, as well as changes in size and shape of the dorsal fin throughout the years. The age for subadult and (now) adult female individuals was estimated depending on changes of body size, as well as on the presence and age of their calves (Olesiuk et al. 1990; Olesiuk et al. 2005).

Associations between individuals were classified into three distinct categories: a solid line indicates a known relationship - the offspring has been documented with its mother, as a newborn or from a young age onwards and throughout all encounters. A dashed line indicates a probable relationship, which is inferred from numerous (≥ 10) observations of close association over several (≥ 6) years. Associations are often classified as probable relationships when individuals have only been documented in close association with a female from a subadult age onwards. A dotted line indicates a possible relationship that is more likely than other scenarios, but is a supposition due to only little evidence (< 10 observations). Associations are often classified as possible relationships if individuals were already of adult age when first spotted and have consequently only been documented in close association with a female from an adult age onwards. In some cases, it was not possible to propose a relational link, even though the individuals were confirmed as part of the unit throughout the years (but without any close association with other individuals); these individuals were then listed separately, but on the same page as their unit.

Matriline numbers refer to the identification numbers of the known or presumed matriarch (lead female). Any known close associations between two or more matriline numbers are explained through additional comments in the catalogue.

RESULTS AND OUTLOOK

A total of 38 matrilineages could be established from 737 encounters of the most-sighted individuals in West Iceland between 2014 and 2023. The catalogue comprises a total of 180 individuals (159 presumably alive and 21 declared deceased). 170 of these individuals were also documented in the 2022 photo-identification catalogue, which comprises 987 individuals in total (Mruszczok 2022). Eight individuals (newborn calves) were added from encounters in 2022 and 2023, and for two individuals no identification images were available.

Close associations between two or more matrilineages made it possible to suggest larger pod structures (see additional comments in the catalogue section), but more observations over a longer timeframe are needed to confirm these groupings, as well as the probable and possible relationships between individuals.

Temporary dispersal from the matrilineage by subadult and adult males has been found in the course of the analysis, as well as splitting of pods into smaller units over time, though the frequency of these events (and whether pods are splitting up permanently) needs to be thoroughly investigated in future research.

ACKNOWLEDGEMENTS




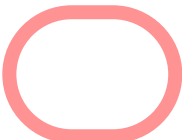
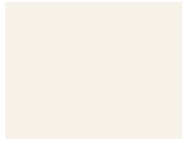
As with all past publications on the killer whales of West Iceland, my first and utmost thanks go to Gísli Ólafsson and the Láki Tours team for their past and ongoing support with data collection in Breiðafjörður. Thank you to Róbert A. Stefánsson and Menja von Schmalensee for their scientific guidance and comments on the manuscript.




A detailed list of all the people and organizations that have contributed data and identification images to the project throughout the years can be found in the full photo-identification catalogue, but I would like to thank the photographers whose images have been used again in this matrilineal catalogue, in particular Alexa Kershaw, Sara Rodríguez Ramallo, Lionel Davoust, Rob Lott, Judith Scott, Hugh Harrop, Karen Munro, Steve Truluck, James Kennedy, Samuele Würtz and Biagio Violi. Thank you to Stefan Wrabetz for grammatical corrections.

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CATALOGUE KEY

-  = FEMALE
-  = MALE
-  = SEX UNKNOWN
-  = INDIVIDUAL IS PART OF OG ADOPTION PROGRAM
-  = RELATIONSHIP TO OTHER INDIVIDUALS UNKNOWN

-  = KNOWN RELATIONSHIP
-  = PROBABLE RELATIONSHIP
-  = POSSIBLE RELATIONSHIP
- * = YEAR OF BIRTH (YOB)
- † = YEAR OF DEATH (YOD)
- (EST.) = ESTIMATED YOB OR YOD

If it was not possible to estimate the year of birth or death, the individual was marked as:

*UNK = YOB UNKNOWN

†UNK = YOD UNKNOWN


CATALOGUE



SN0001 AND SN0003 MATRILINES

When first spotted, both Butterfly (SN0001) and Stitches (SN0003) had one calf each, but Stitches was not yet fully grown. Butterfly and Stitches could be sisters, or Butterfly could be the mother of Stitches.

STITCHES (SN0003)



*1996 (EST.)

BUTTERFLY (SN0001)



*UNK

MOON (SN0002)



*2012

SKUGGI (SN0394)



*2021

RAINBOW (SN0004)



*2014

DÖGG (SN0325)

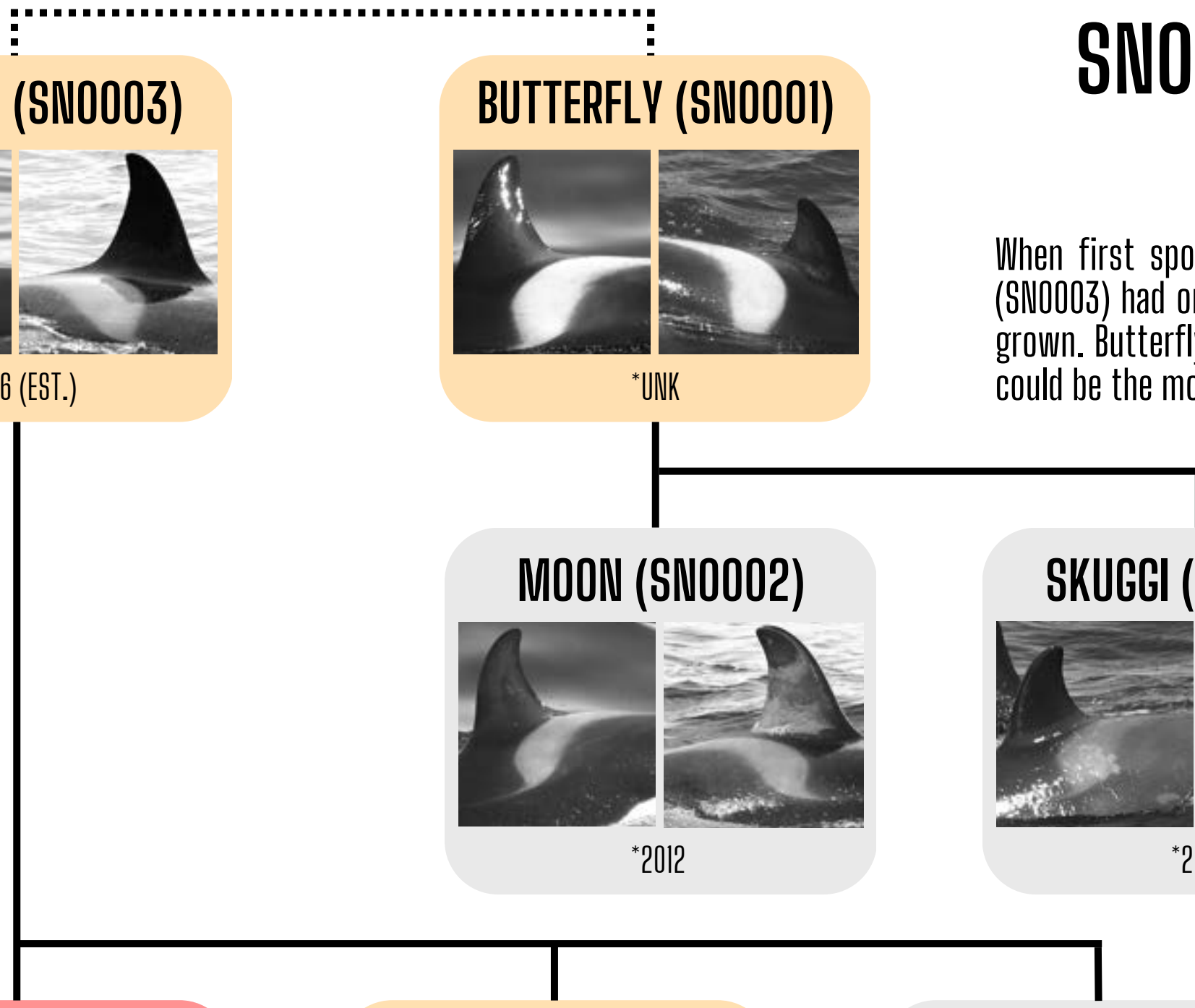


*2018

BERG (SN0697)




*2021



SN0005 MATRILINE

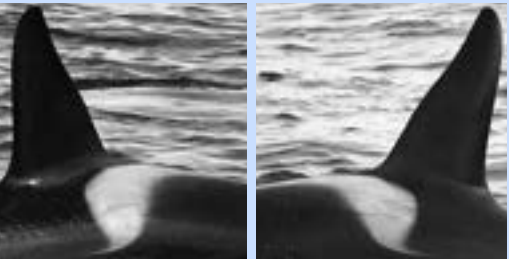
Lightning (SN0005) has four confirmed offspring. Boomerang (SN0008) is likely one of Lightning's offspring as well, but could also be her younger brother.

LIGHTNING (SN0005)




*UNK

BOOMERANG (SN0008)




*1994 (EST.)

EARTHQUAKE (SN0006)



*2002 (EST.)

CLAW (SN0009)



*2006 (EST.)

AFTERSHOCK (SN0007)



*2014

RUMBLE (SN0326)

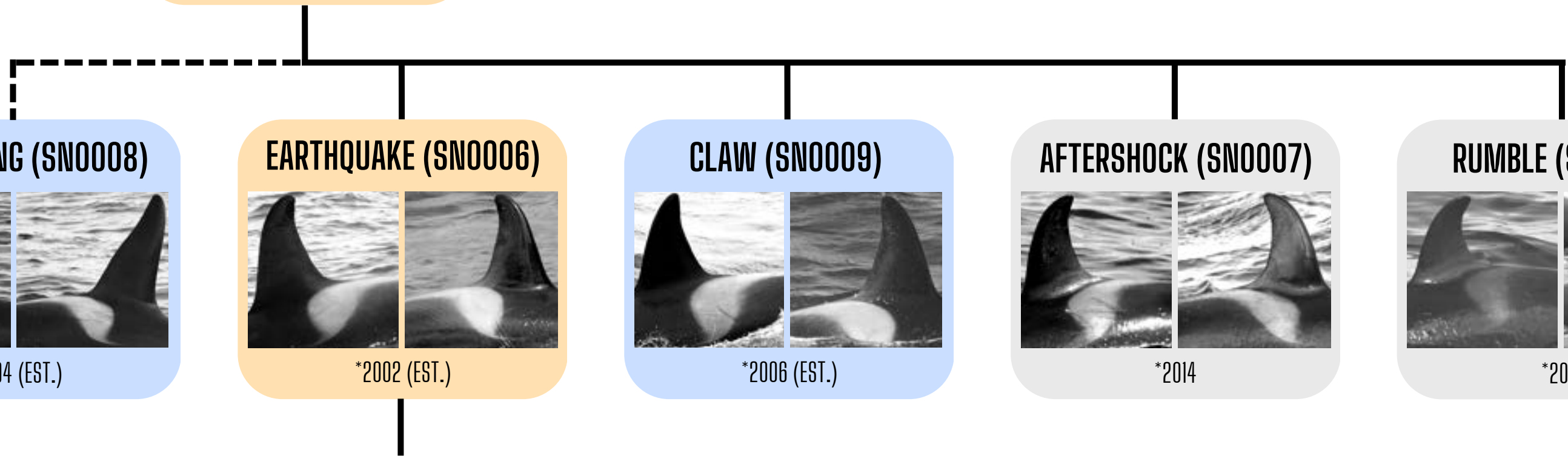


*2017

THUNDER (SN0327)

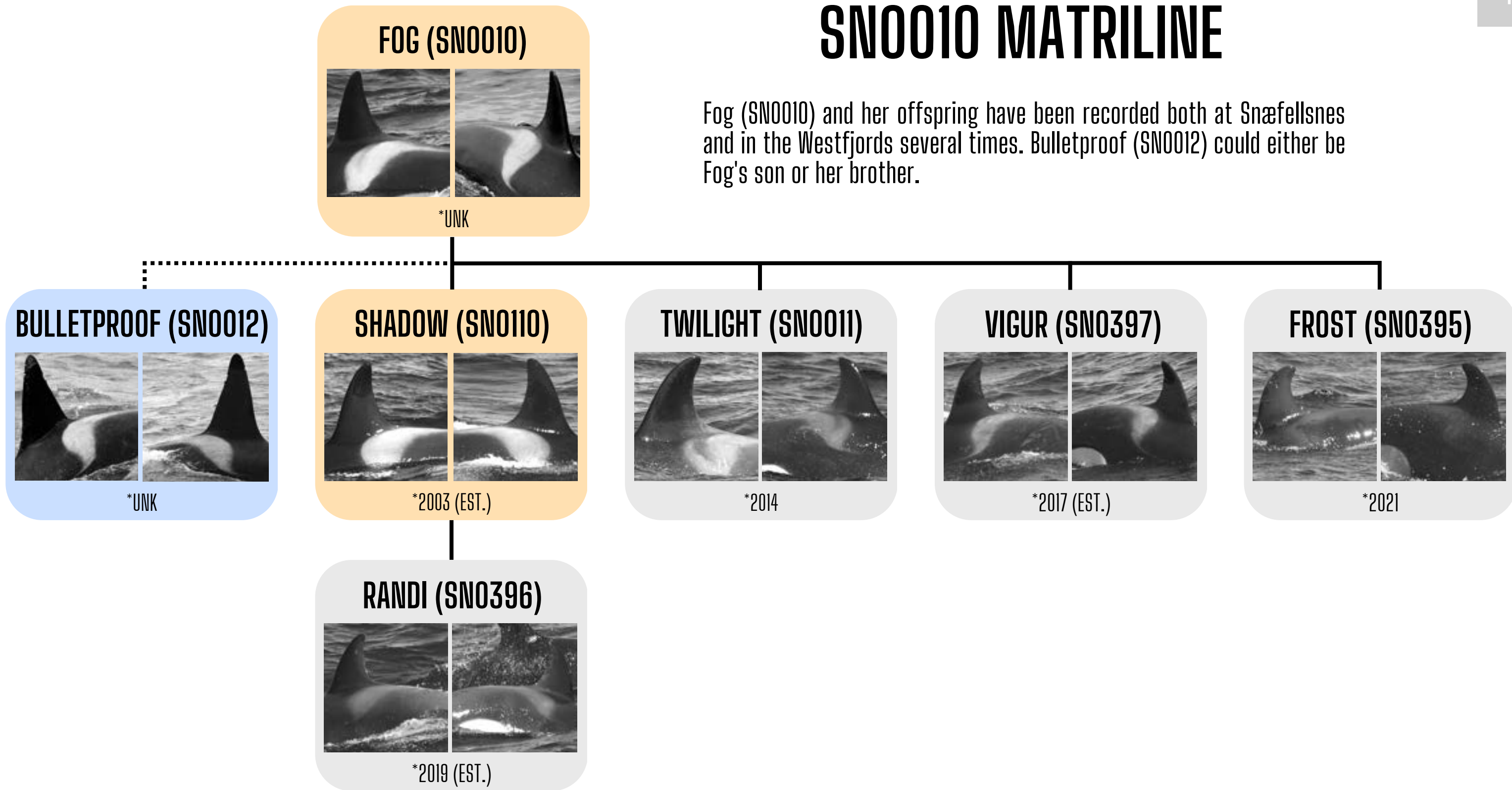


*2019



SN0010 MATRILINE

Fog (SN0010) and her offspring have been recorded both at Snæfellsnes and in the Westfjords several times. Bulletproof (SN0012) could either be Fog's son or her brother.



SHACKLES (SN0013)



*UNK

SN0013 MATRILINE

Shuckles (SN0013) has four confirmed offspring and leads one of the matriline that are seen along the Snæfellsnes Peninsula mainly in the summertime. The SN0013 and SN0017 matriline have been recorded in close association with each other multiple times and might be part of the same pod.

GAMBLER (SN0016)



*2001 (EST.)

THREE SCARS (SN0015)



*2007 (EST.)

HIEROGLYPH (SN0014)



*2013

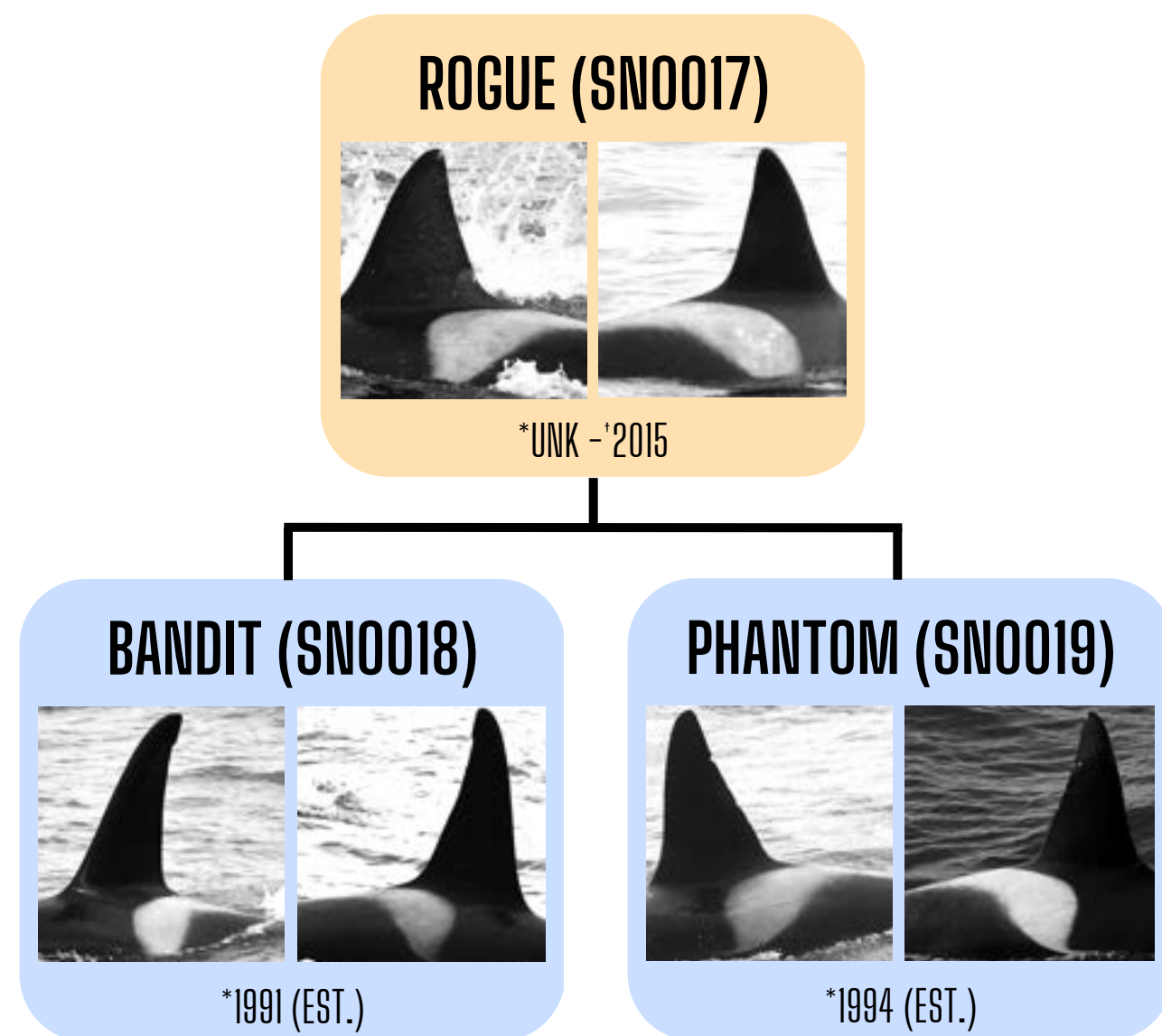
KLINK (SN0329)



*2017

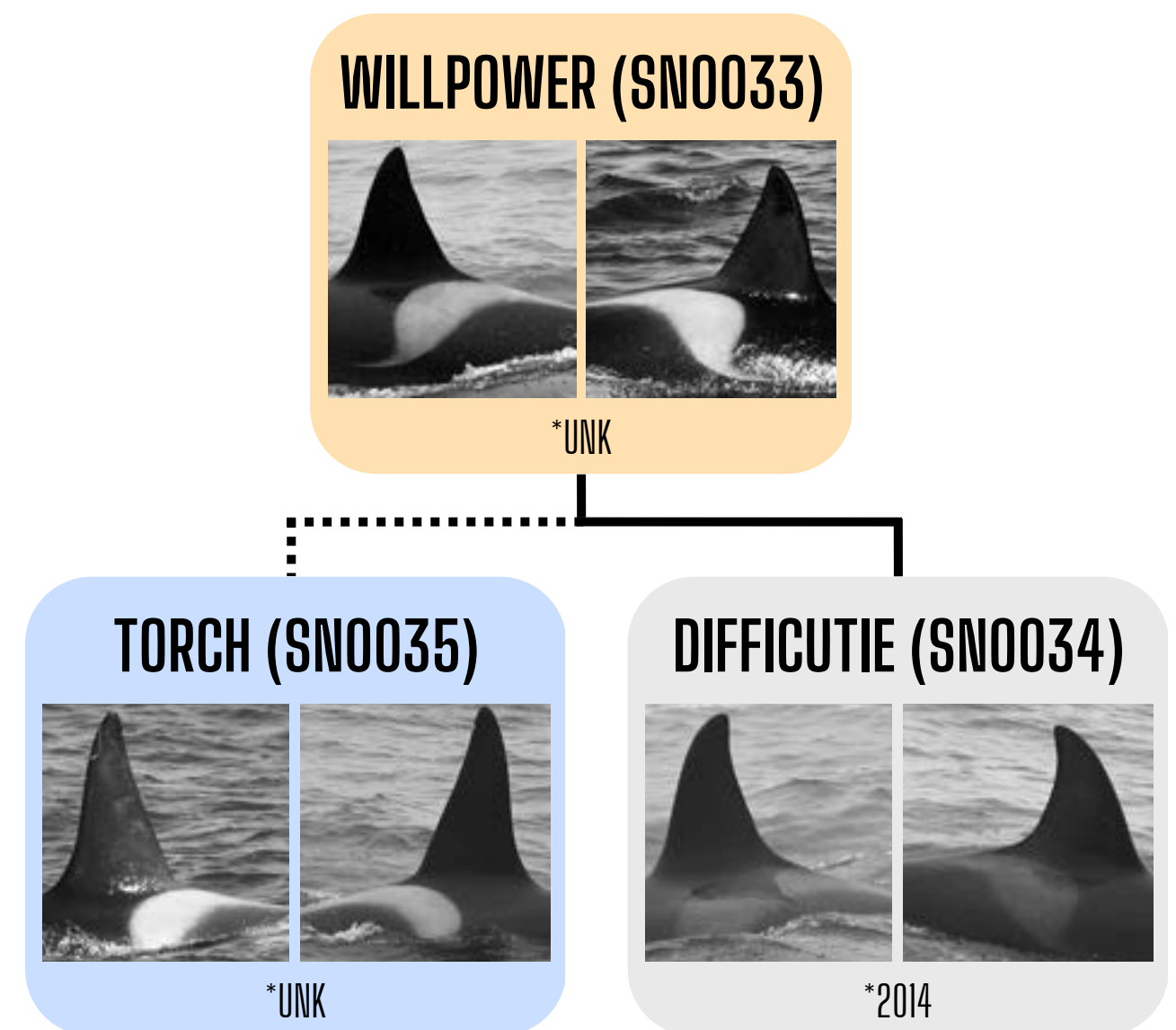
SN0017 MATRILINE

Rogue (SN0017) has not been spotted since 2015 and is presumed dead. Her sons Bandit (SN0018) and Phantom (SN0019) can often be observed travelling side by side along the Snæfellsnes Peninsula during the summer months. The SN0013 and SN0017 matriline might be part of the same pod.



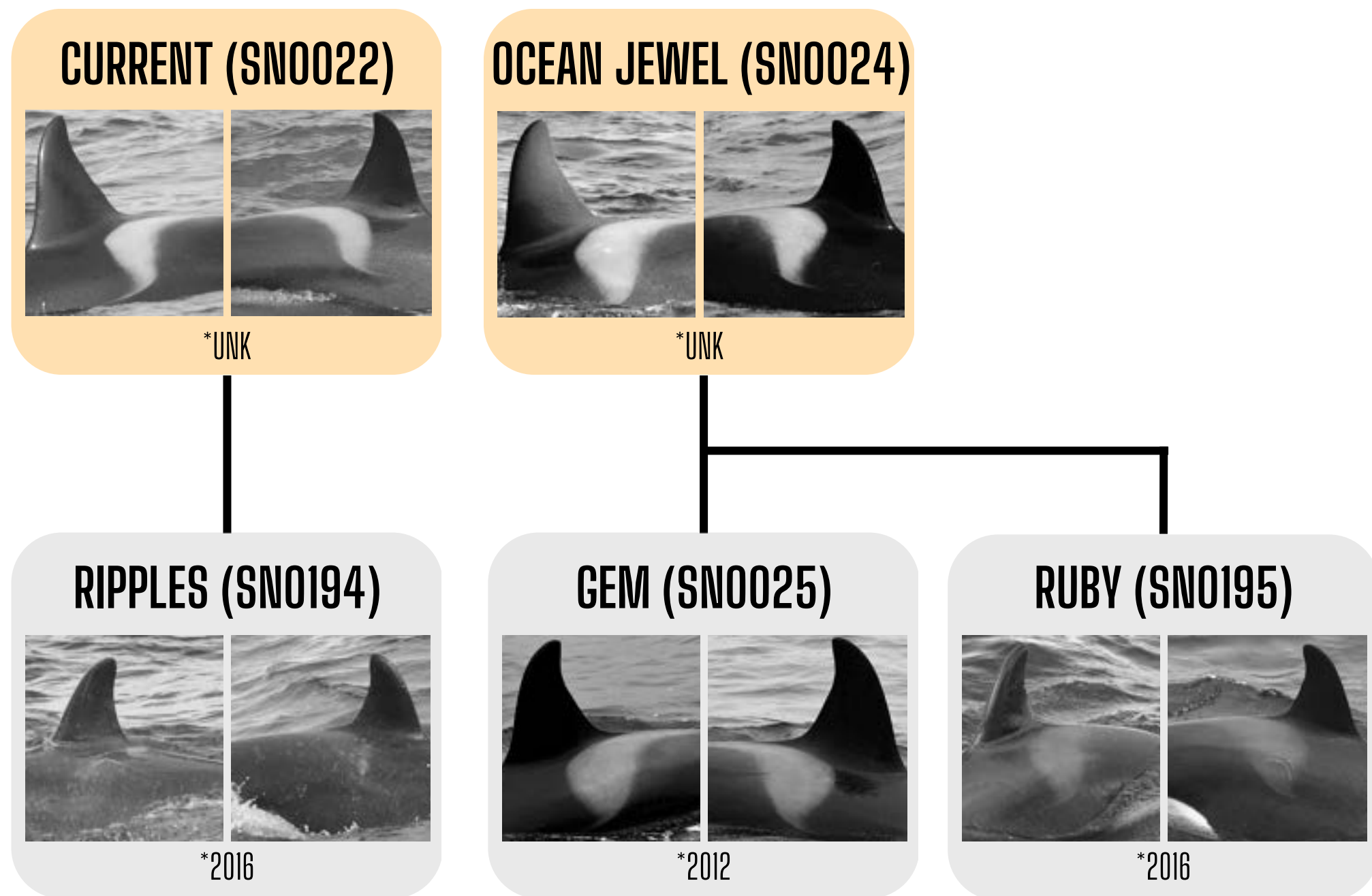
SN0033 MATRILINE

Willpower (SN0033) is the mother of Difficutie (SN0034). Torch (SN0035) could be either the son or brother of Willpower.



SN0022 AND SN0024 MATRILINES

The pod of Ocean Jewel (SN0024) has six adult members that have been observed travelling closely together for over a decade. How most of these fully-grown individuals relate to each other is yet unknown. Three calves have been recorded, making it possible to identify two small matrilineal lines in the pod.



DIVINE (SN0020)

*UNK

CPT. HOOK (SN0021)

*UNK

SEA STAR (SN0023)

*UNK

HORIZON (SN0026)

*UNK

SN0030 MATRILINE

DAUNTLESS (SN0030)

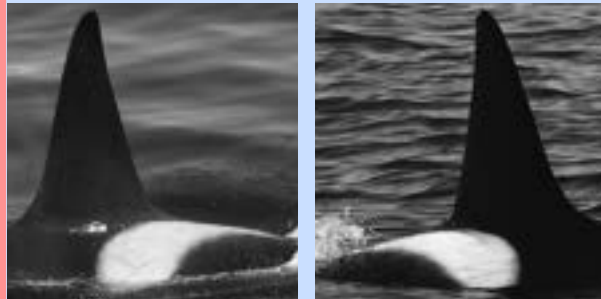


*UNK

Dauntless (SN0030) has three confirmed offspring. Giant (SN0032) is thought to be her son as well, but could also be her brother.

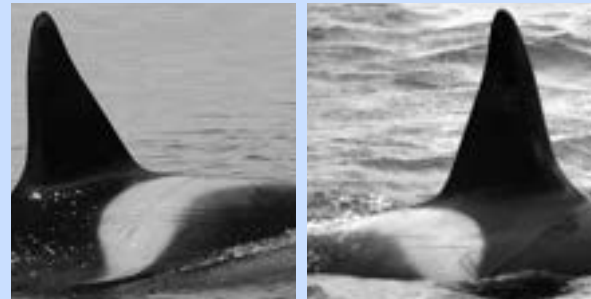
Dauntless' daughter Aubrey (SN0112) had her first confirmed calf Minni (SN0341) in 2018, but the calf did not survive the first year.

GIANT (SN0032)



*UNK

BLACKOUT (SN0036)



*1999 (EST.)

AUBREY (SN0112)



*2002 (EST.)

COURAGE (SN0031)



*2013

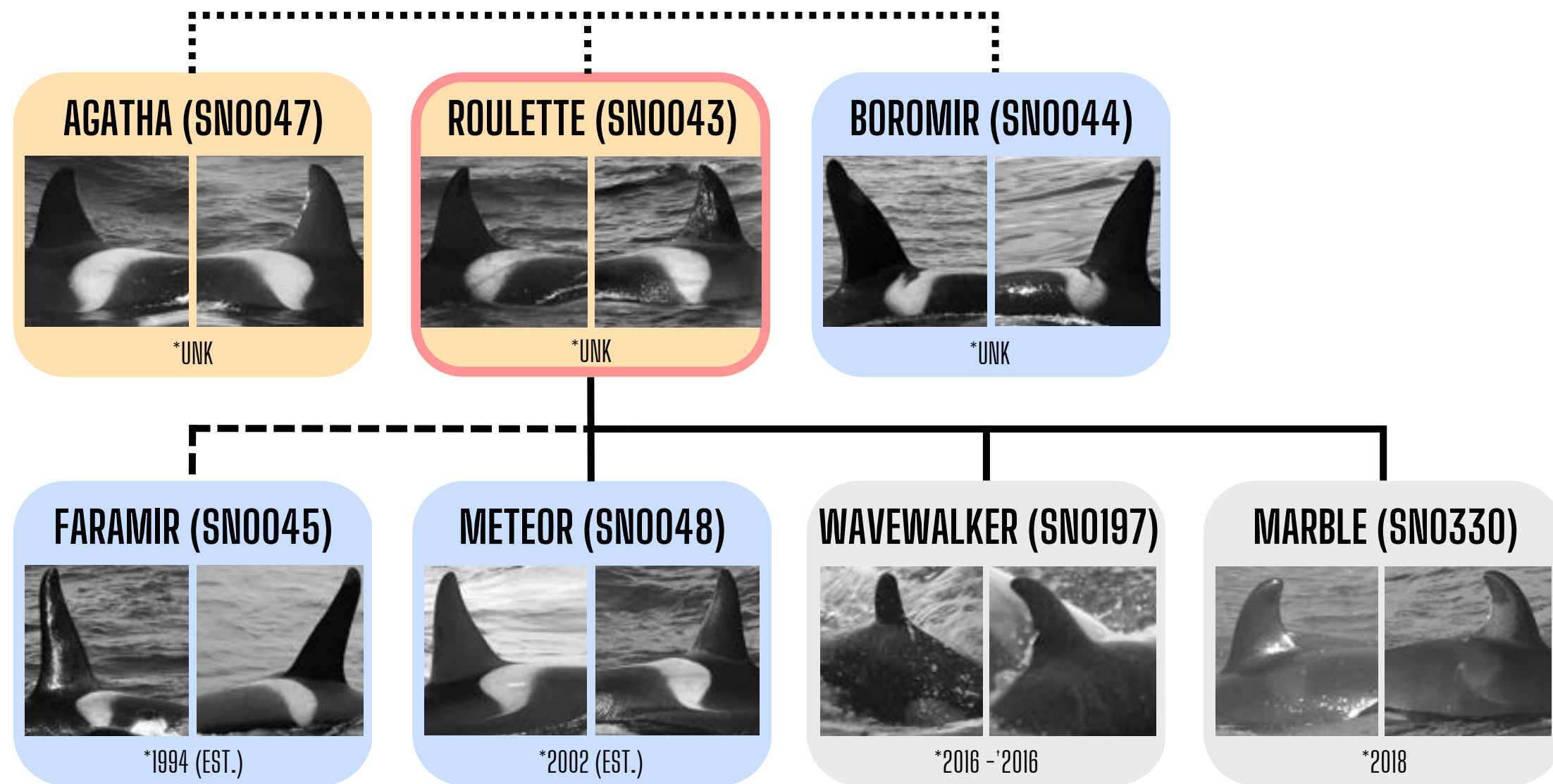
MINNI (SN0341)



*2018 - *2018

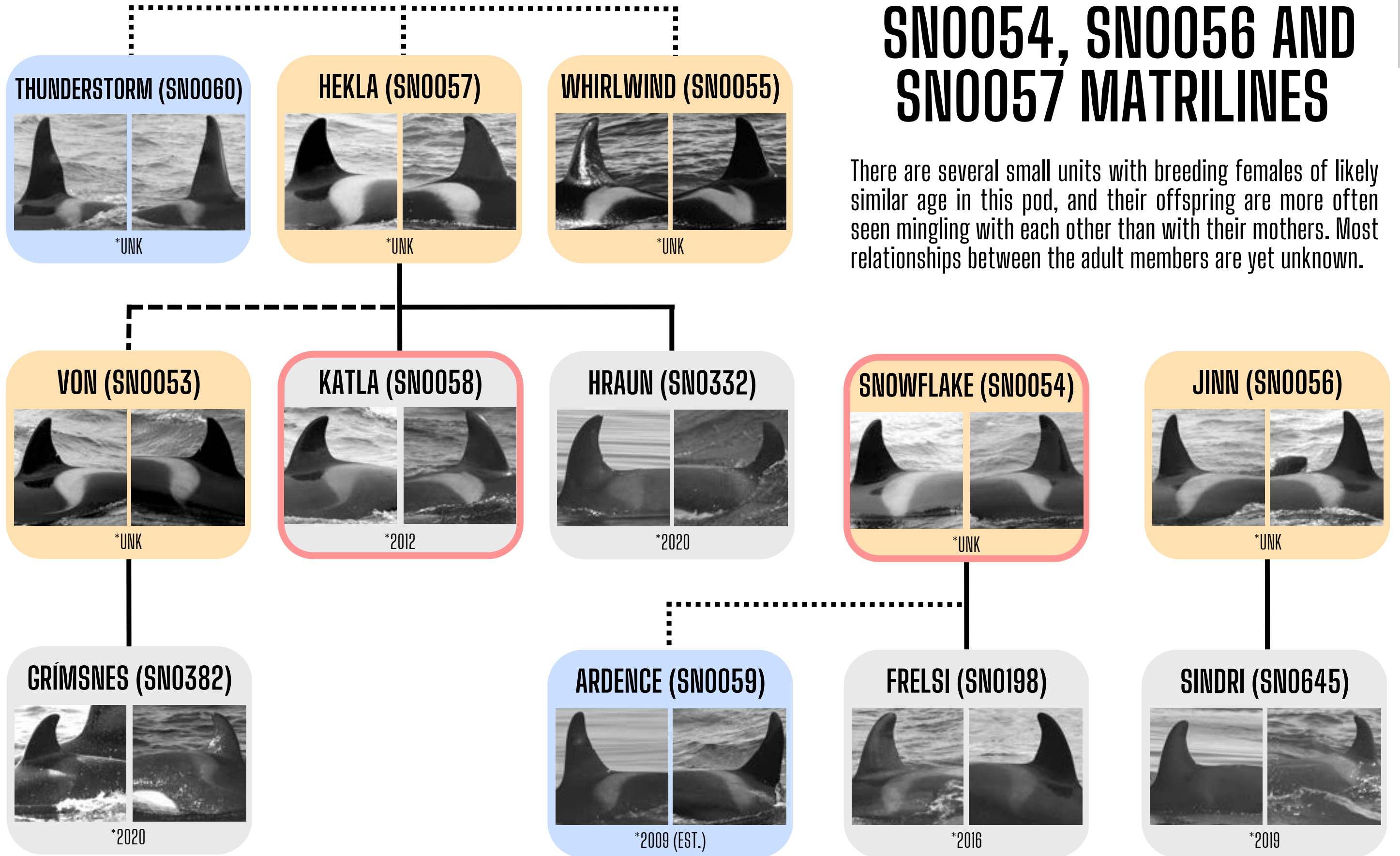
SN0043 MATRILINE

Roulette (SN0043) has three confirmed offspring. Agatha (SN0047) could be the mother or sister of Roulette, whereas Boromir (SN0044) is an older male that could be the brother or son of either Agatha or Roulette. Faramir is thought to be Roulette's son due to very close association from a subadult age onwards. There are several individuals whose exact relatedness is yet unknown.



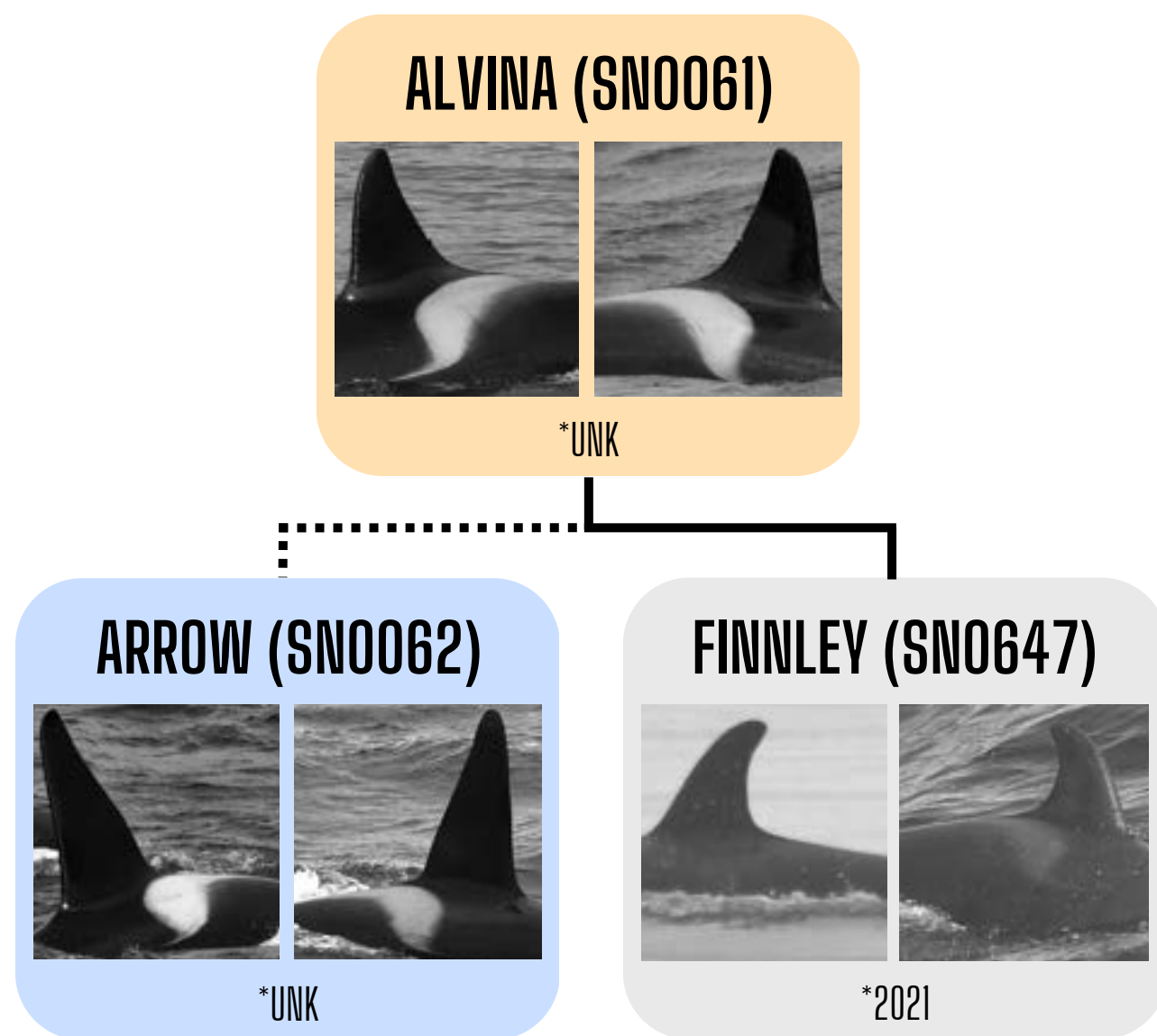
SN0054, SN0056 AND SN0057 MATRILINES

There are several small units with breeding females of likely similar age in this pod, and their offspring are more often seen mingling with each other than with their mothers. Most relationships between the adult members are yet unknown.



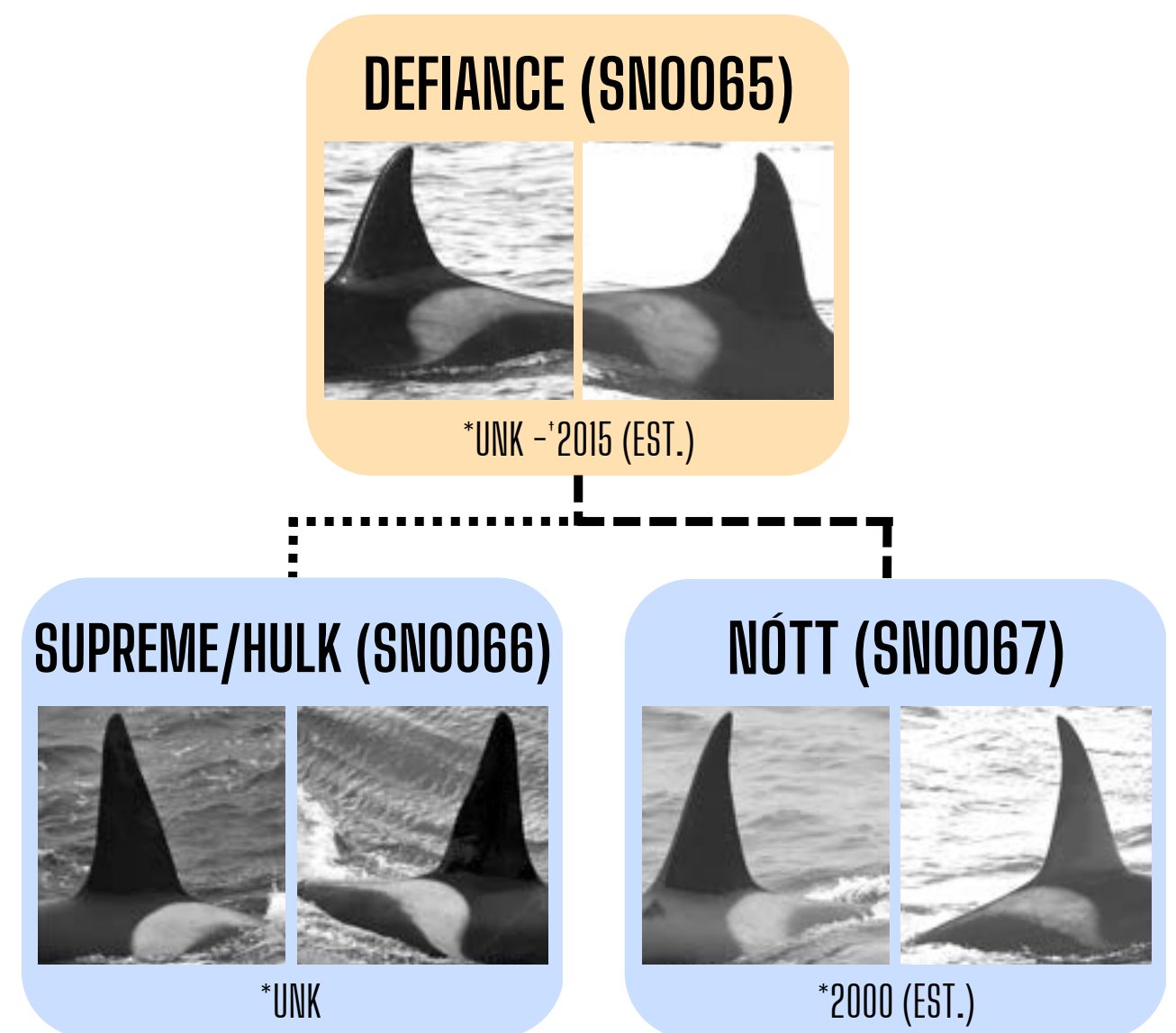
SNO061 MATRILINE

Alvina (SNO061) was spotted in 2021 with a newborn calf for the first time. Arrow (SNO062) is either Alvina's brother or son.



SNO065 MATRILINE

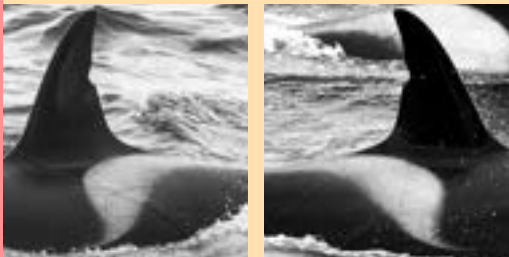
Defiance (SNO065) has not been documented since 2015 and has been declared deceased. Supreme (SNO066) and Nótt (SNO067) have been recorded travelling between Iceland and Scotland numerous times (Mruszczok & Scullion 2019; Mruszczok 2022; Scullion et al. 2021).



SNO069 MATRILINE


Vendetta (SNO069, known as "Mousa" in Scotland) and her offspring have been documented travelling between Iceland and Scotland numerous times (Mruszczok & Scullion 2019; Mruszczok 2022; Scullion et al. 2021). Haukur (SNO071) has not been spotted in recent years. Trinkie (SNO207) has been documented with Vendetta from a juvenile age onwards, but has recently been observed in association with other individuals as well.

VENDETTA/MOUSA (SNO069)



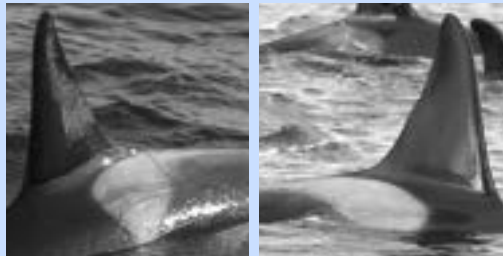
*UNK

HAUKUR (SNO071)




*1997 (EST.)

GUNNAR (SNO068)



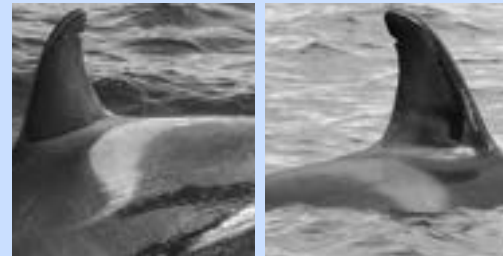
*2003 (EST.)

TRINKIE (SNO207)



*2007 (EST.)

ATTACK/SUMMER (SNO070)



*2012 (EST.)

TIDE (SNO199)




*2016



SNO080 MATRILINE


Skadi (SNO080) is a lead female in the company of three males - Idun (SNO081) is her confirmed offspring, and Thor (SNO082) and Odin (SNO083) are likely her sons as well.

SKADI (SNO080)




*UNK

ODIN (SNO083)




*UNK

THOR (SNO082)

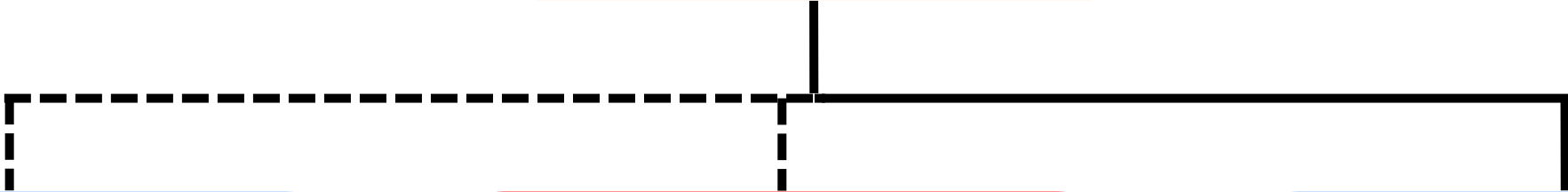


*UNK

IDUN (SNO081)

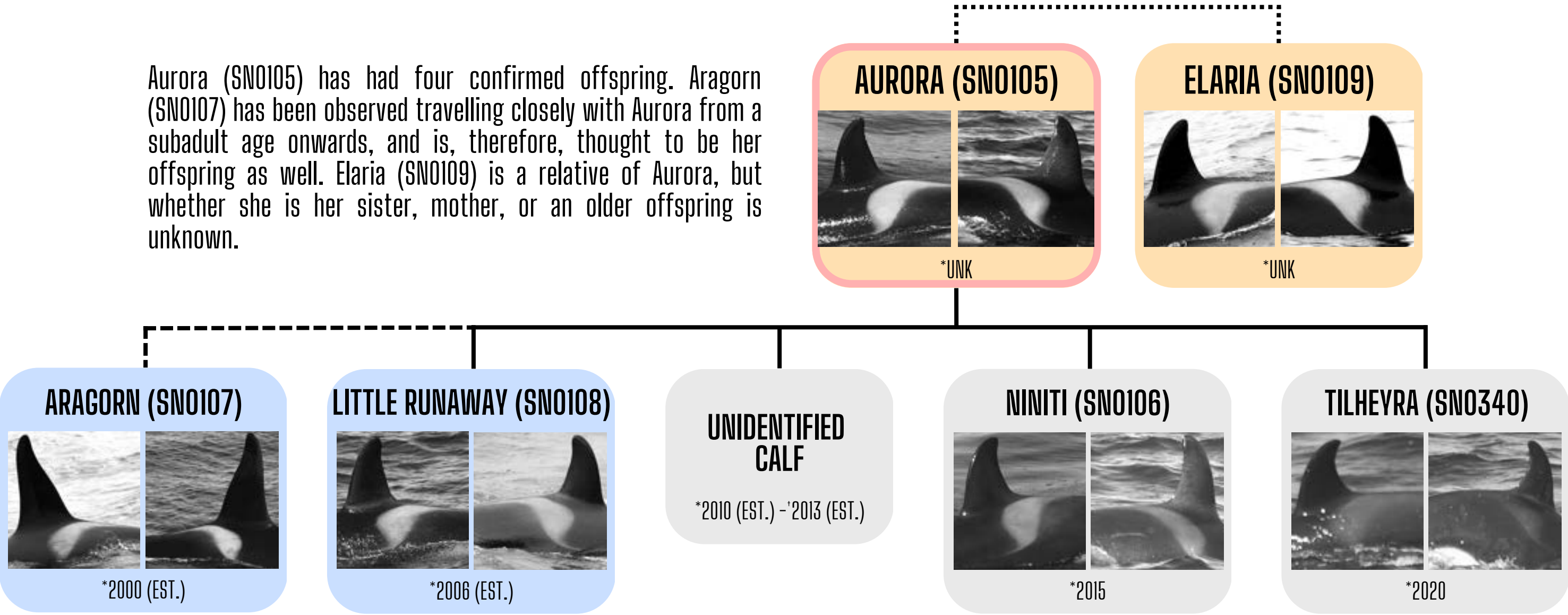


*2003 (EST.)



SNO105 MATRILINE

Aurora (SNO105) has had four confirmed offspring. Aragorn (SNO107) has been observed travelling closely with Aurora from a subadult age onwards, and is, therefore, thought to be her offspring as well. Elaria (SNO109) is a relative of Aurora, but whether she is her sister, mother, or an older offspring is unknown.

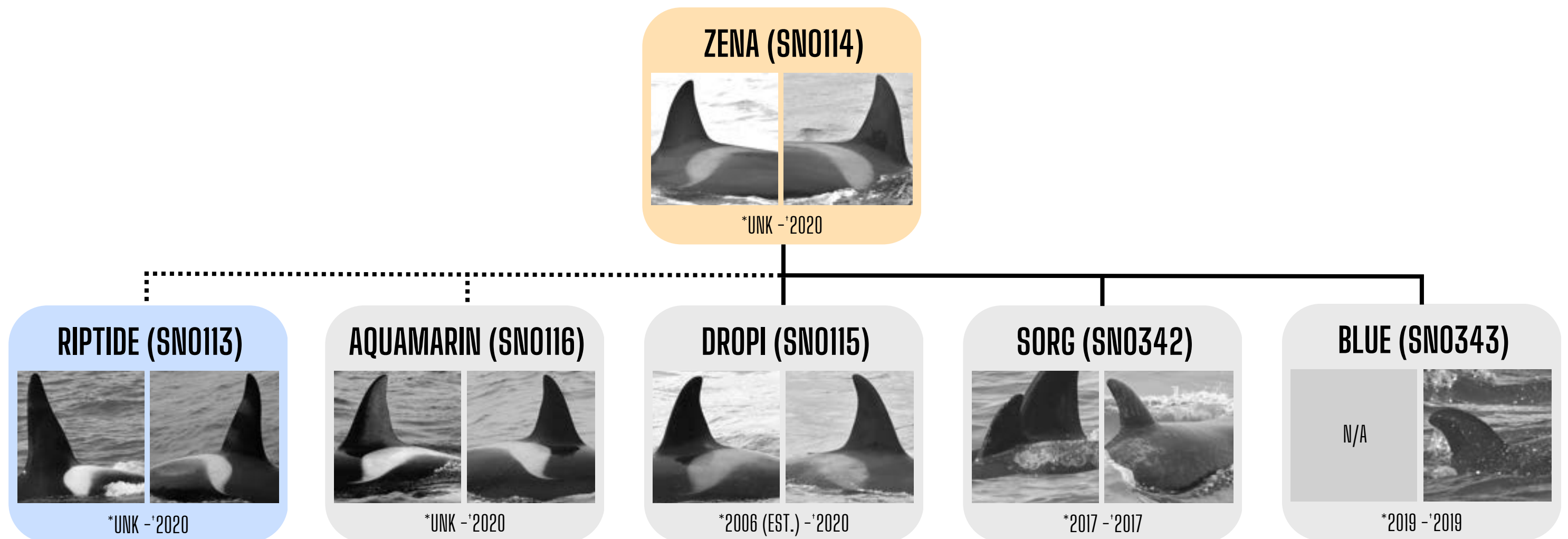


SNO114 MATRILINE

Zena (SNO114), Riptide (SNO113), and their relatives became known for their incredible long-distance journey from Iceland via Spain to Italy. Riptide was then documented to swim all the way to the shorelines of Lebanon and Israel. This is the longest one-way movement recorded for killer whales to date - over 8,000 km.

They were seen regularly between 2013 and 2018 on the Icelandic shoreline, and Zena had a calf in 2017 that did not survive the first year (Sorg, SNO342). In Italy, Zena was recorded with another newborn (Blue, SNO343), which died during their stay near Genoa.

It is likely that also the four remaining members (SNO113-SNO116) perished in the Mediterranean, as during the course of observations all individuals were observed in poor physical condition and fewer and fewer individuals were present during sightings (Mruszczok, Violi et al. 2022; Mruszczok, von Schmalensee et al. 2022).



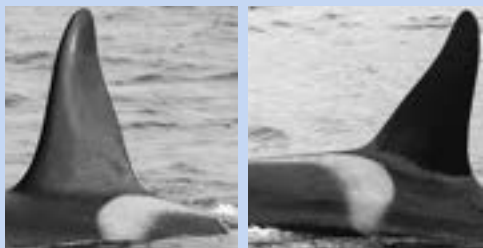
SNO117 MATRILINE

Ronja (SNO117) and Clara (SNO192) had first been identified as the two breeding females in this matriline. It is thought that Clara as the younger individual could be the older daughter of Ronja.

After Ronja's death, it now falls to Clara to lead, and Ronja's older offspring Dansari (SNO118) and Joker (SNO119; recently spotted with a calf) have been recorded with Clara, whereas Ronja's youngest, Ótti (SNO344), did not survive long after it's mother's death.


Váli (SNO123) and Echo (SNO355) are often seen travelling side by side close by, but their exact relationship with the other individuals is yet unknown.

VÁLI (SNO123)



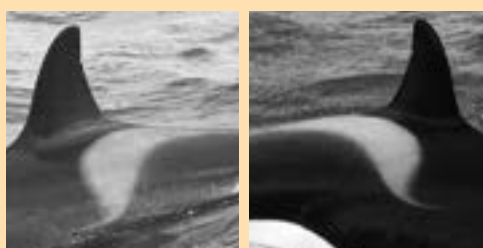
*1997 (EST.)

ECHO (SNO355)



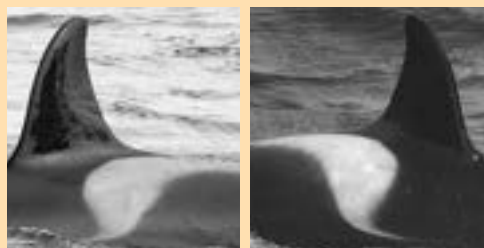
*2012 (EST.)

RONJA (SNO117)



*UNK -'2021

CLARA (SNO192)



*1998 (EST.)

JOKER (SNO119)



*2007 (EST.)

DANSARI (SNO118)




*2014

ÓTTI (SNO344)



*2020 -'2022

SURF (SNO193)



*2016

BO (SNO354)

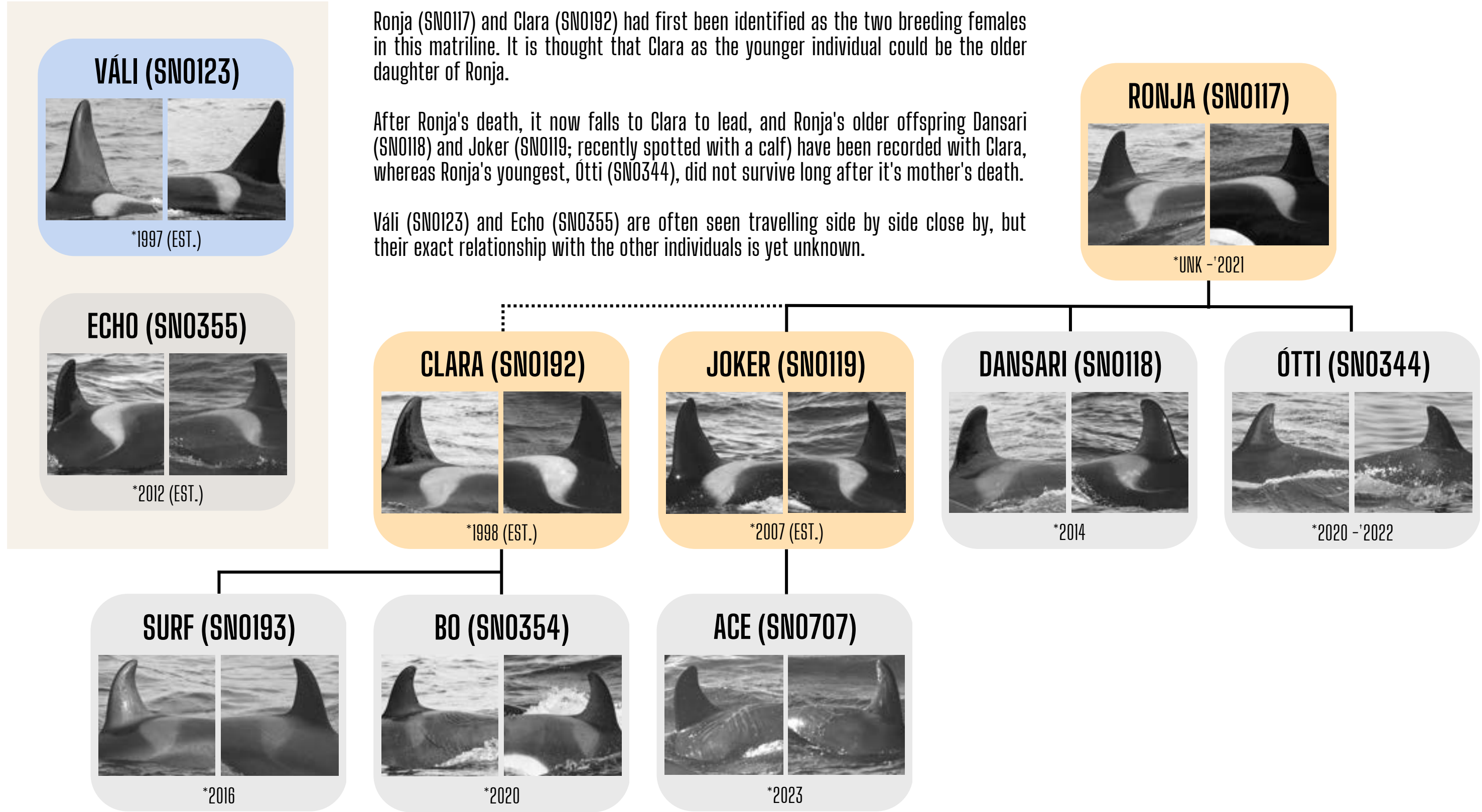


*2020

ACE (SNO707)

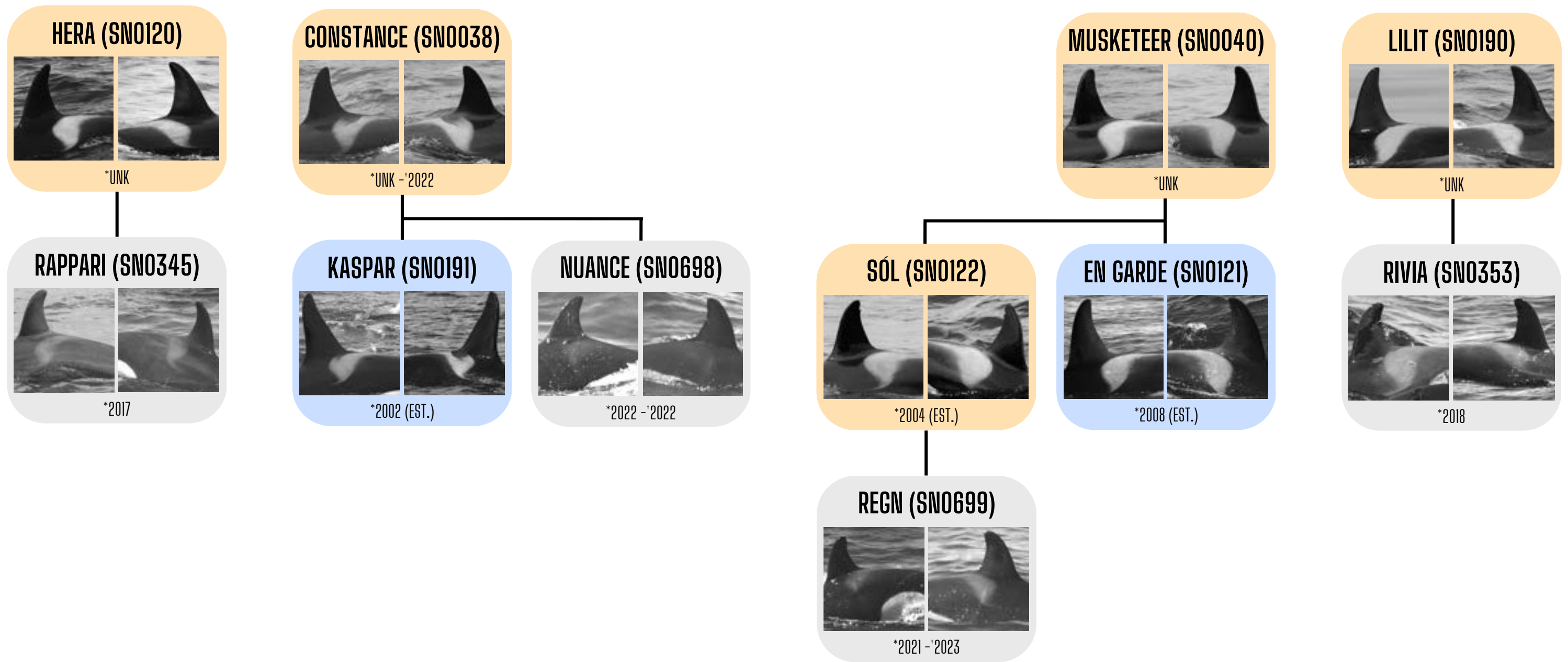


*2023



SN0038, SN0040, SN0120 AND SN0190 MATRILINES

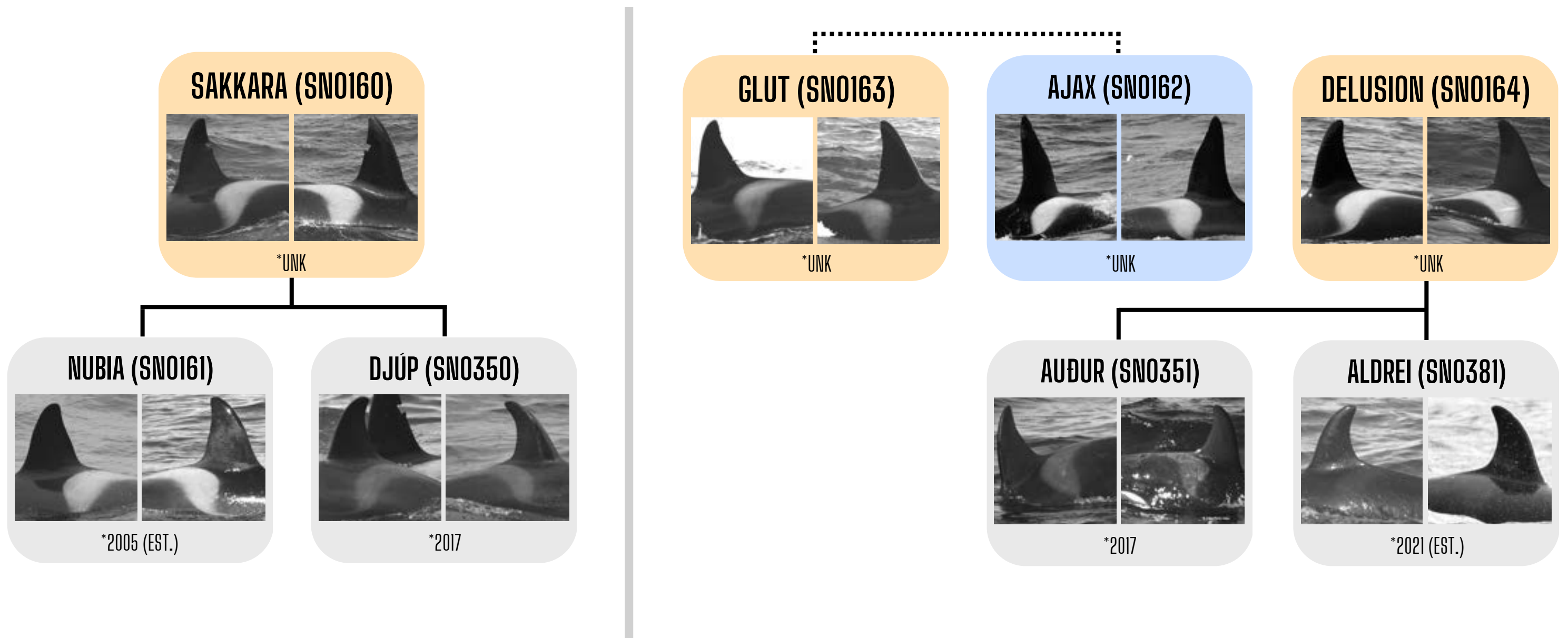
Each of these four small units is led by a female of reproductive age (Hera, Constance, Musketeer, and Lilit). The units have been observed mingling with each other in all possible constellations. They might belong to a larger pod, which could also include the SN0117 matriline that they are often seen in association with. The exact relationships between Hera, Constance, Musketeer, and Lilit are unknown.



SNO160 AND SNO164 MATRILINES

SNO160–SNO164 were seen together until 2019. Since 2020, they have been observed in two smaller units, with Sakkara (SNO160) and her offspring forming one unit, and Delusion (SNO164) with her offspring plus Glut (SNO163) and Ajax (SNO162) forming the other. Glut and Ajax have been staying closely together during almost all observations since 2014, and are thought to be either siblings or mother and son. The exact relationships between Sakkara, Glut, Ajax, and Delusion are not known.

Since 2020, Sakkara and her offspring have been observed travelling and feeding with male SNO419, who has previously been spotted in Scottish waters as well (Mruszczok 2022; Scullion et al. 2021).



SNO220, SNO224, AND SNO229 MATRILINES

FRIGGA (SNO220)

*UNK

NORSE (SNO224)

*UNK

KILÍAN (SNO230)

*UNK

ZIGGY (SNO223)

*2009 (EST.)

RAGGABAGGA (SNO222)

*2012 (EST.)

SPEEDY (SNO221)

*2015

WANNABE (SNO226)

*2011 (EST.)

FLIP (SNO225)

*2015 - '2016

ESPEN (SNO703)

*2018

KÓLGA (SNO229)

*UNK

GUFA (SNO227)

*UNK

HINRIK (SNO231)

*1997 (EST.)

BLÆR (SNO391)

*2021

IDA (SNO232)

*UNK

VILMA (SNO228)

*UNK

JÓEL (SNO158)

*1999 (EST.)

ÓLAFUR (SNO157)

*UNK

The SNO220, SNO224 and SNO229 matriline are thought to belong to one larger pod that is regularly spotted with all members present.

The pod has also been referred to as the "nursery group" in the past, as the many calves would frequently group up with one or two of the females, while the rest of the pod would engage in carousel feeding.

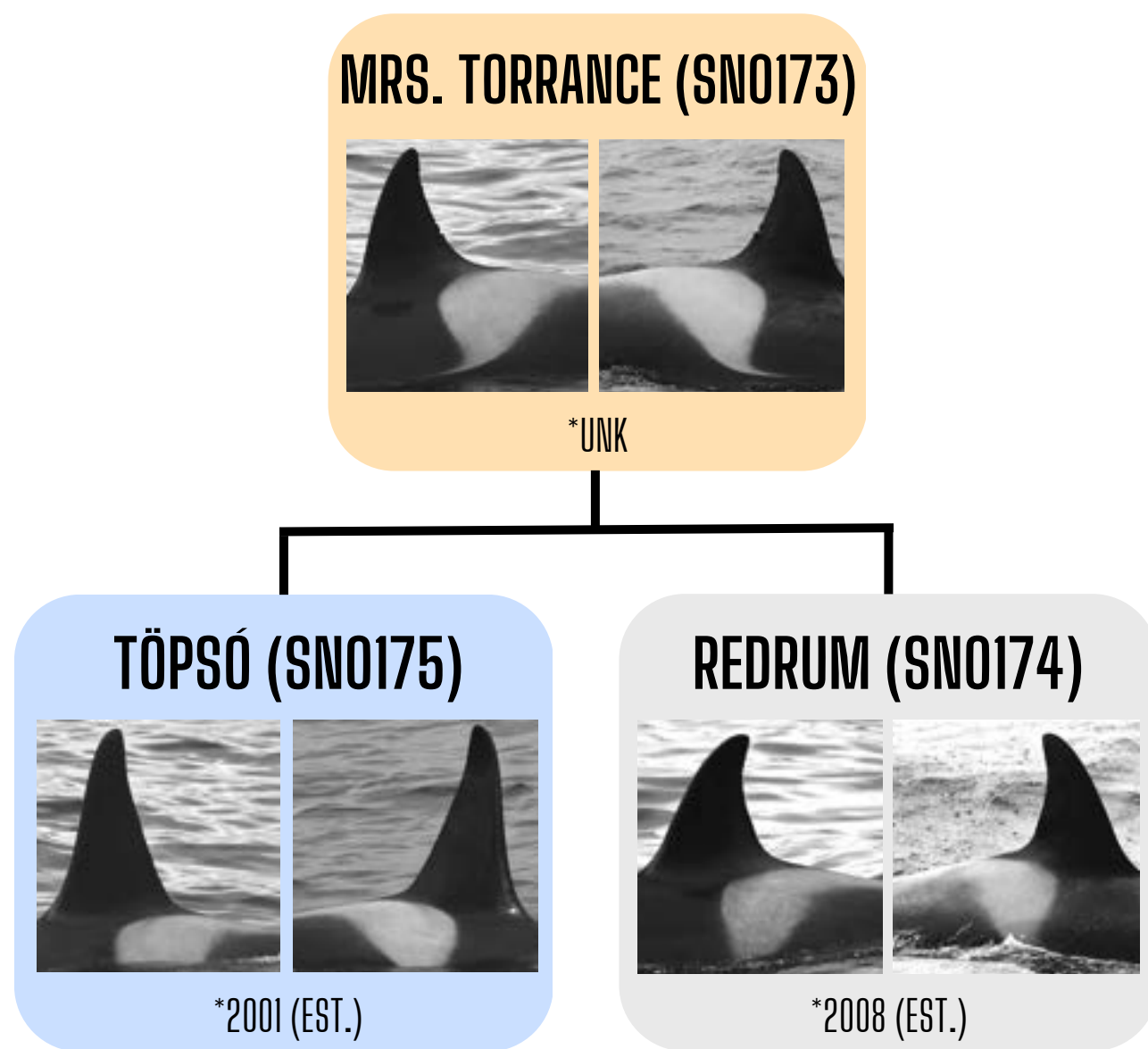
Many relationships within this pod are unclear, as several individuals were only documented for the first time when already of adult age. For example, there is a strong connection between Vilma (SNO228) and Jóel (SNO158), as they are frequently encountered travelling closely next to each other, but their exact relationship is unknown.

Frigga can frequently be seen with her three confirmed offspring in tow, whereas Norse (SNO224) has lost her calf Flip (SNO225), and Wannabe (SNO226) has been missing during encounters in recent years.

Frigga's offspring Raggabagga (SNO222) is known for approaching and circling the whale watching boat, and is sometimes accompanied by one of the other juveniles.

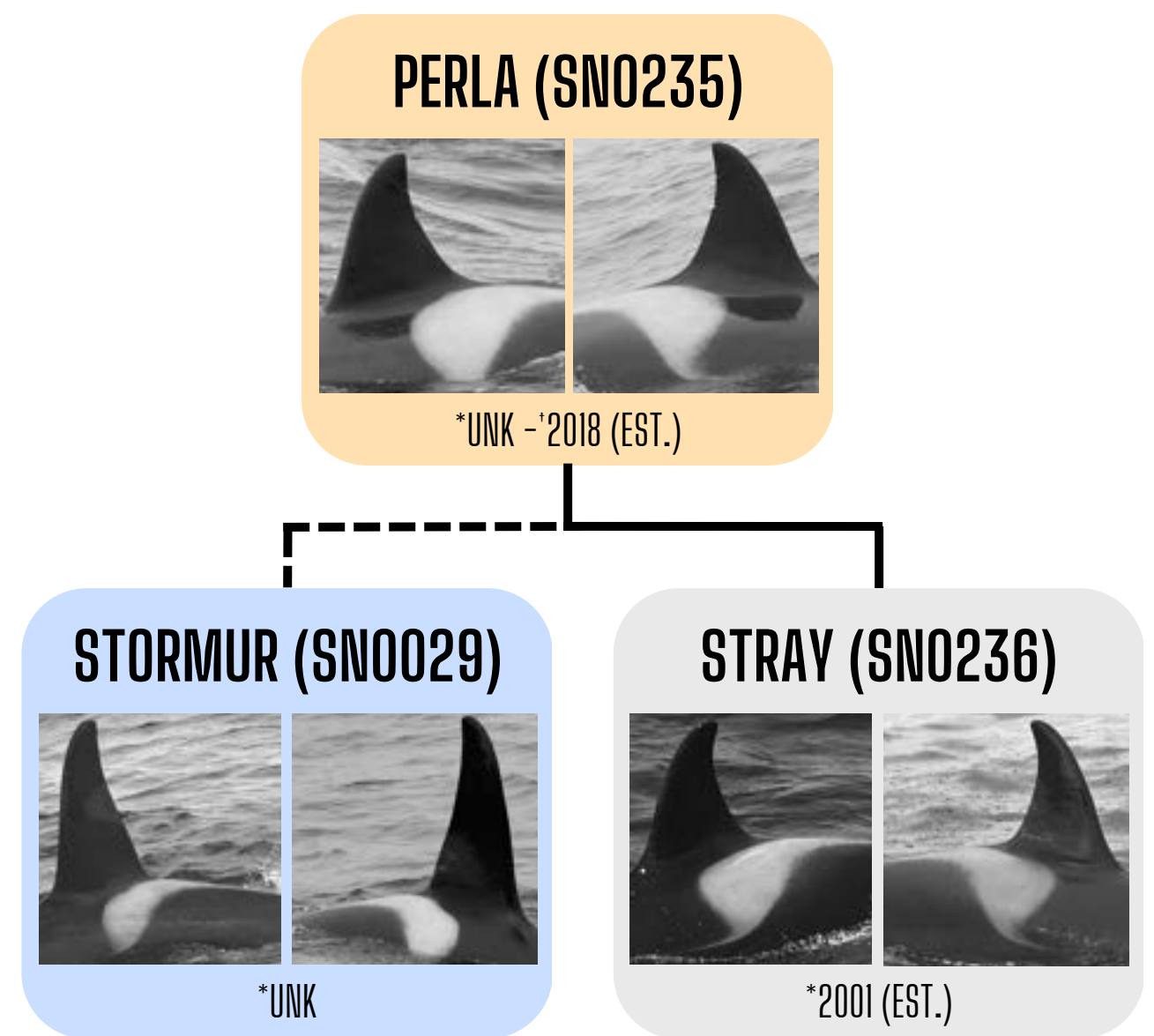
SNO173 MATRILINE

Mrs. Torrance (SNO173) has two confirmed offspring and can be seen in West Iceland primarily during the summer months.



SNO235 MATRILINE

Perla (SNO235) has not been spotted together with her offspring since 2018 and is declared deceased. Stormur (SNO029) and Stray (SNO236) have a close association with the SNO237 matriline.



SNO237 MATRILINE

Maya (SNO237) has had five confirmed offspring. She previously lost two calves, but was recorded in 2022 with a newborn. The SNO237 and SNO235 matriline might be part of the same pod.

MAYA (SNO237)



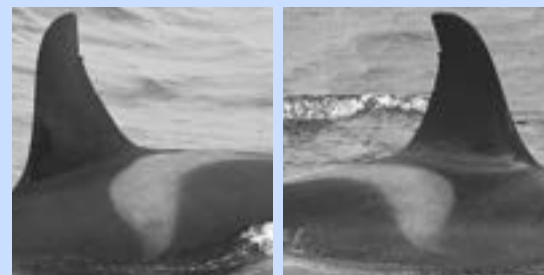
*UNK

TINTIN (SNO239)



*2002 (EST.)

CROCHET (SNO238)

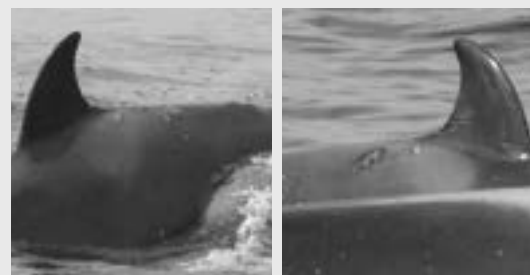


*2007 (EST.)

UNIDENTIFIED CALF

*2014 - *2014

HEARTBEAT (SNO356)



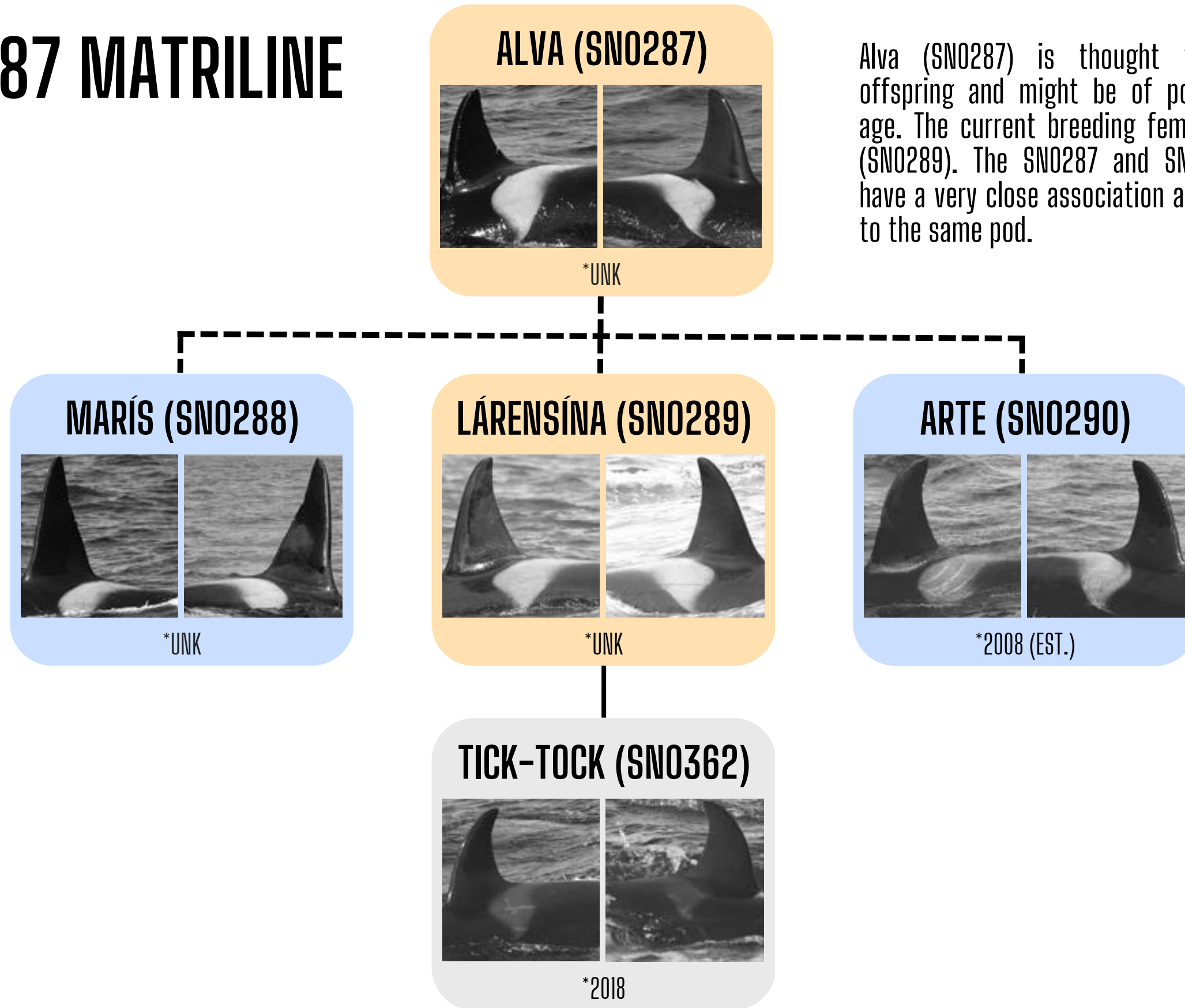
*2017 - *2019

FRED (SNO704)



*2022

SNO287 MATRILINE



Alva (SNO287) is thought to have three offspring and might be of post-reproductive age. The current breeding female is Lárensína (SNO289). The SNO287 and SNO291 matriline have a very close association and might belong to the same pod.

SNO291 MATRILINE

Giba (SNO291) has four confirmed offspring. The SNO291 matriline might belong to the same pod as the SNO287 matriline.

GIBA (SNO291)

*UNK

YNGVI (SNO293)

*2003 (EST.)

NÓRA (SNO292)

*2007 (EST.)

BRIM (SNO363)

*2017

RÚN (SNO706)

*2023

STREYMI (SNO705)

*2022

SNAGI (SN0299)




*UNK

SN0299 MATRILINE

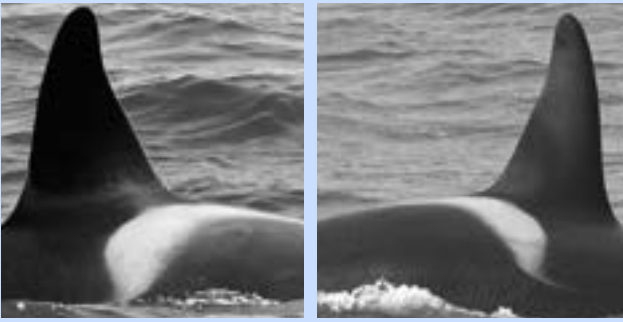
Snagi (SN0299) has three confirmed offspring. Ragnar (SN0302) is an older male that could either be Snagi's son or her brother.

RAGNAR (SN0302)



*UNK

EDVARD (SN0301)



*2003 (EST.)

JOSS (SN0300)

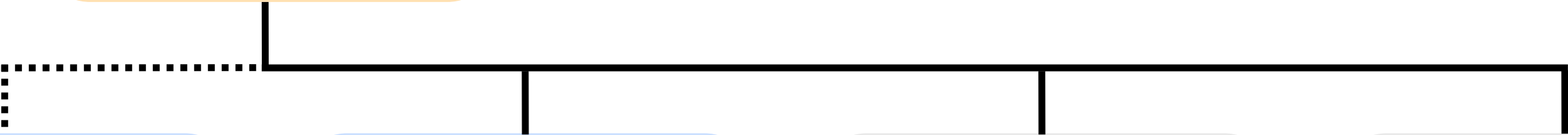


*2009 (EST.)

KRIS (SN0393)

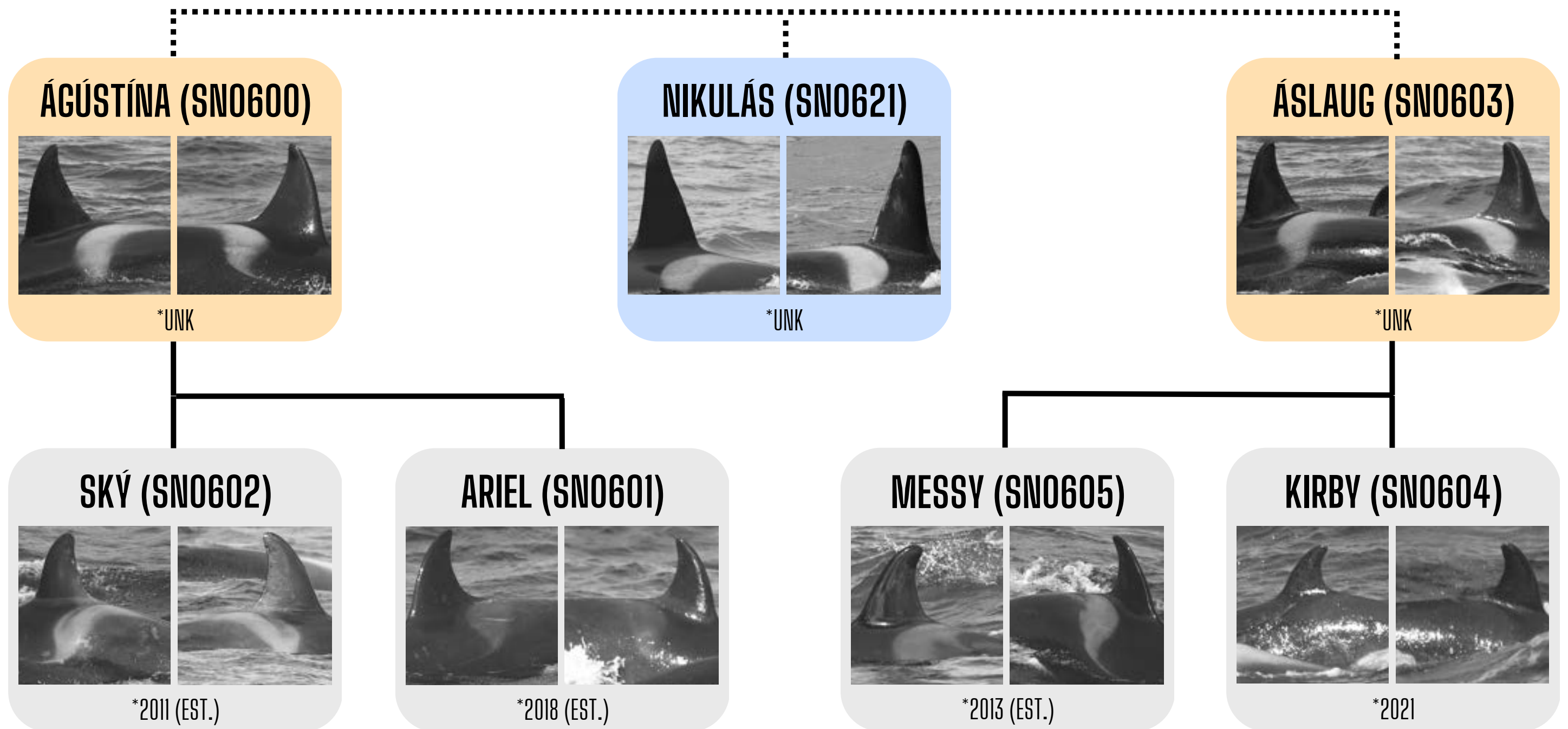


*2020



SNO600 AND SNO603 MATRILINE

Both Ágústína (SNO600) and Áslaug (SNO603) have had several offspring. There is also an adult male in the group - Nikulás (SNO621). Ágústína, Áslaug, and Nikulás might be siblings.



NAME	ID	PAGE	LHS PHOTOGRAPHER	RHS PHOTOGRAPHER	NAME	ID	PAGE	LHS PHOTOGRAPHER	RHS PHOTOGRAPHER	NAME	ID	PAGE	LHS PHOTOGRAPHER	RHS PHOTOGRAPHER
ACE	SNO707	23	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	GAMBLER	SNO016	12	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RANDI	SNO396	11	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
AFTERSHOCK	SNO007	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	GEM	SNO025	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RAPPARI	SNO345	24	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo
AGATHA	SNO047	25	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	GIANT	SNO032	15	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	REDRUM	SNO174	27	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
AJAX	SNO162	25	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	GIBA	SNO291	30	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	REGN	SNO699	24	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ALDREI	SNO381	29	Marie-Thérèse Mrusczo	James Kennedy	GLUT	SNO163	25	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RIPPLES	SNO194	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ALVA	SNO287	18	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	GRÍMSNES	SNO382	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RIPTIDE	SNO113	22	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ALVINA	SNO061	22	Alexa Kershaw	Marie-Thérèse Mrusczo	GUFA	SNO227	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RIVIA	SNO353	24	Sara Rodríguez Ramallo	Sara Rodríguez Ramallo
AQUAMARIN	SNO116	21	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	GUNNAR	SNO068	19	Karen Munro	Marie-Thérèse Mrusczo	RJÓMI	SNO050	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ARAGORN	SNO107	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HAUKUR	SNO071	19	Alexa Kershaw	Marie-Thérèse Mrusczo	ROGUE	SNO017	13	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ARDENCE	SNO059	32	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HEARTBEAT	SNO356	28	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RONJA	SNO117	23	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ARIEL	SNO601	18	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HEKLA	SNO057	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	ROULETTE	SNO043	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ARROW	SNO062	29	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HERA	SNO120	24	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RUBY	SNO195	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ARTE	SNO290	19	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HERA	SNO120	24	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RUMBLE	SNO326	10	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ATTACK	SNO070	15	Karen Munro	Marie-Thérèse Mrusczo	HIEROGLYPH	SNO014	12	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RUSH	SNO104	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
AUBREY	SNO112	25	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HINRIK	SNO231	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RÛN	SNO706	30	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
AUDUR	SNO351	21	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HORIZON	SNO026	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SAKKARA	SNO160	25	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
AURORA	SNO105	32	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	HRAUN	SNO332	17	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	SEA STAR	SNO023	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ÁGÚSTÍNA	SNO600	32	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	IDA	SNO232	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SHACKLES	SNO013	12	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ÁSLAUG	SNO603	13	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	IDUN	SNO081	20	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SHADOW	SNO110	11	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BANDIT	SNO018	9	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	JEAN	SNO103	16	Marie-Thérèse Mrusczo	Lionel Davoust	SINDRI	SNO645	17	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo
BERG	SNO697	15	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	JINN	SNO056	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SKADI	SNO080	20	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BLACKOUT	SNO036	22	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	JOKER	SNO119	23	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	SKUGGI	SNO394	9	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BLUE	SNO343	26	-	Samuele Würtz	JOSS	SNO300	31	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SKÝ	SNO602	32	Marie-Thérèse Mrusczo	Sara Rodríguez Ramallo
BLÆR	SNO391	23	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	JÓEL	SNO158	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SNAGI	SNO299	31	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BO	SNO354	10	Sara Rodríguez Ramallo	Sara Rodríguez Ramallo	KASPAR	SNO191	24	Marie-Thérèse Mrusczo	Sara Rodríguez Ramallo	SNOWFLAKE	SNO054	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BOOMERANG	SNO008	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	KATLA	SNO058	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SORG	SNO342	22	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BOROMIR	SNO044	30	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	KILIAN	SNO230	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SÓL	SNO122	24	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo
BRIM	SNO363	11	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	KIRBY	SNO604	32	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SPEEDY	SNO221	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BULLETPROOF	SNO012	9	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	KLINK	SNO329	12	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	STITCHES	SNO003	9	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
BUTTERFLY	SNO001	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	KÓLGA	SNO229	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	STORMUR	SNO029	27	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
CAPTAIN HOOK	SNO021	23	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	KRIS	SNO393	31	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	STRAY	SNO236	27	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
CLARA	SNO192	10	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	LÁRENSÍNA	SNO289	29	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	STREYMI	SNO705	30	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
CLAW	SNO009	24	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	LIGHTNING	SNO005	10	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	SUPREME	SNO066	18	Steve Truluck	Marie-Thérèse Mrusczo
CONSTANCE	SNO038	15	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	LILIT	SNO190	24	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	SURF	SNO193	23	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
COURAGE	SNO031	28	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	LITTLE RUNAWAY	SNO108	21	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	THOR	SNO082	20	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
CROCHET	SNO238	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	MARBLE	SNO330	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	THREE SCARS	SNO015	12	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
CURRENT	SNO022	23	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	MARIS	SNO288	29	Marie-Thérèse Mrusczo	Sara Rodríguez Ramallo	THUNDER	SNO327	10	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
DANSARI	SNO118	15	Sara Rodríguez Ramallo	Sara Rodríguez Ramallo	MAYA	SNO237	28	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	THUNDERSTORM	SNO060	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
DAUNTLESS	SNO030	18	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	MESSY	SNO605	32	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	TICK-TOCK	SNO362	29	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
DEFIANCE	SNO065	25	Rob Lott	Marie-Thérèse Mrusczo	METEOR	SNO048	16	Lionel Davoust	Marie-Thérèse Mrusczo	TIDE	SNO199	19	Karen Munro	Hugh Harrop
DELUSION	SNO164	13	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	MINNI	SNO341	15	Judith Scott	Judith Scott	TILHEYRA	SNO340	21	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
DIFFICUTIE	SNO034	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	MOON	SNO002	9	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	TINTIN	SNO239	28	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
DIVINE	SNO020	25	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	MRS. TORRANCE	SNO173	27	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	TORCH	SNO035	13	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
DJÛP	SNO350	22	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	MUSKETEER	SNO040	24	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	TRINKIE	SNO207	19	Steve Truluck	Steve Truluck
DROPI	SNO115	9	Marie-Thérèse Mrusczo	Biagio Violi	NIKULÁS	SNO621	32	Alexa Kershaw	Alexa Kershaw	TWILIGHT	SNO011	11	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo
DÖGG	SNO325	10	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	NINITI	SNO106	21	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	TÓPSÓ	SNO175	27	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
EARTHQUAKE	SNO006	23	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	NORSE	SNO224	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	UNIVERSE	SNO046	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ECHO	SNO355	31	Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	NÓRA	SNO292	30	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	VÁLI	SNO123	23	Sara Rodríguez Ramallo	Sara Rodríguez Ramallo
EDVARD	SNO301	21	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	NÓTT	SNO067	18	Steve Truluck	Marie-Thérèse Mrusczo	VENDETTA	SNO069	19	Karen Munro	Marie-Thérèse Mrusczo
ELARIA	SNO109	24	Marie-Thérèse Mrusczo	Lionel Davoust	NUANCE	SNO698	24	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	VIGUR	SNO397	11	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
EN GARDE	SNO121	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	NUBIA	SNO161	25	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	VILMA	SNO228	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
ESPEN	SNO703	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	OCEAN JEWEL	SNO024	14	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	VON	SNO053	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
FARAMIR	SNO045	18	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	ODIN	SNO083	20	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	WANNABE	SNO226	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
FINNLEY	SNO647	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	ÓLAFUR	SNO157	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	WAVEWALKER	SNO197	16	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
FLIP	SNO225	11	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	ÓTTI	SNO344	23	Sara Rodríguez Ramallo	Sara Rodríguez Ramallo	WHIRLWIND	SNO055	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
FOG	SNO010	28	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	PERLA	SNO235	27	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	WILLPOWER	SNO033	13	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
FRED	SNO704	17	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	PHANTOM	SNO019	13	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	YNGVI	SNO293	30	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
FRELSI	SNO198	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RAGGABAGGA	SNO222	20	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	ZENA	SNO114	22	Biagio Violi	Biagio Violi
FRIGGA	SNO220	11	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo	RAGNAR	SNO302	31	Sara Rodríguez Ramallo	Sara Rodríguez Ramallo	ZIGGY	SNO223	26	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo
FROST	SNO395		Sara Rodríguez Ramallo	Marie-Thérèse Mrusczo	RAINBOW	SNO004	9	Marie-Thérèse Mrusczo	Marie-Thérèse Mrusczo					