

STUDBOOK PEDIGREE EXPLORER

The Reports and Tools that are found under the Tools menu in ZIMS for Studbooks.

Contact support@Species360.org

Topics:

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- [Antecedent List](#)
- [Sibling List](#)
- [Unknown Pedigree Report](#)
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FAQs:

- [My chart won't stop moving around when I load it.](#)
- [Are MULTs included in the Explorer Chart?](#)
- [What do the different colored circles mean?](#)
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The Pedigree Reports are available in the Tools menu (1) and directly within the animal record (2).

The screenshot shows the ZIMS interface. On the left is a 'Tools and Reports' sidebar menu. A red box labeled '1' highlights the 'Pedigree' section, which includes 'Descendant List', 'Antecedent List', 'Sibling List', and 'Unknown Pedigree Report'. The main content area shows an animal record for 'Michaeli / Eastern black rhinoceros'. A red box labeled '2' highlights the 'Pedigree' dropdown menu in the top right of the record, which also lists 'Descendant List', 'Antecedent List', and 'Sibling List'.

You can select to view:

- **Descendant List:** List of all the descendants of a focal animal, with option to chart.
- **Antecedent List:** List of all the ancestors of a focal animal, with option to chart.
- **Sibling List:** List of all the **full** siblings (both parents the same) of a focal animal.
- **Unknown Pedigree Report** (Available in the Tools menu only): List of all the animals in the studbook with some level of unknown pedigree. This includes animals with MULT parents. This is a good Report to run to help you find unidentified parents.

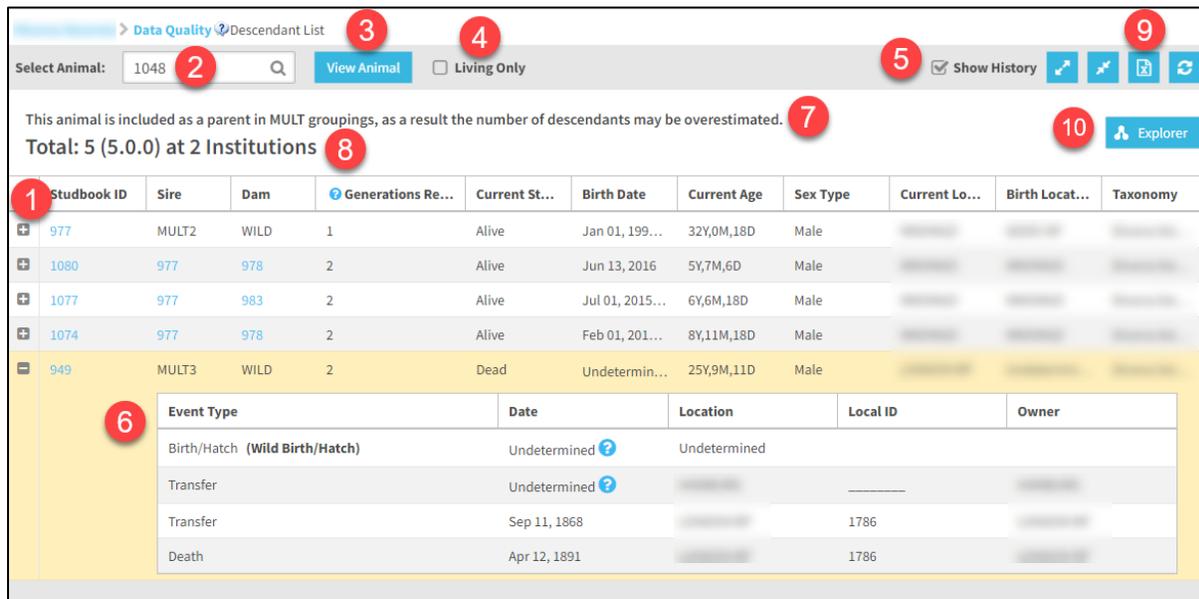
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Descendant List

The Descendant List displays a list of every descent (1) of the focal animal (2), detailing parents, generations removed from the focal animal, status, birth information and current location. Once in the Descendant List, you can select a new focal animal (2) and view your focal animal’s studbook record (3). You can choose to view only living descendants by checking the Living Only box (4), and you can select to view the transaction history for each animal in the list by checking Show History (5) and then expanding the animal in the list to view (6).

If the focal animal is included as a parent in a MULT group, all possible offspring will appear in the list which may inflate the number of offspring (7).

The list displays a total of the animals in the list (8). This total does not include the focal animal. You can export the list to Excel by clicking the export button (9). You can also view the list in the [Explorer chart](#) (10).



The screenshot shows the 'Descendant List' interface. At the top, there is a search bar for 'Select Animal:' with the value '1048' and a 'View Animal' button. To the right, there is a 'Living Only' checkbox and a 'Show History' checkbox. Below the search bar, a message states: 'This animal is included as a parent in MULT groupings, as a result the number of descendants may be overestimated.' Below this, a summary line reads 'Total: 5 (5.0.0) at 2 Institutions'. The main table has columns: Studbook ID, Sire, Dam, Generations Re..., Current St..., Birth Date, Current Age, Sex Type, Current Lo..., Birth Locat..., and Taxonomy. The first row is highlighted in yellow. Below the table, an expanded view for the selected animal shows an 'Event Type' table with columns: Event Type, Date, Location, Local ID, and Owner. The events listed are Birth/Hatch (Wild Birth/Hatch), Transfer, Transfer, and Death.

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Antecedent List

The Antecedent List displays in a similar way to the [Descendent List](#), but this time displays a list of all the antecedents of the focal animal. You have the same options of showing only living, showing history, and viewing the information in the [explorer chart](#).

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> Living Animals > Antecedent List

Select Animal: 1048 Living Only Show History

Total: 16 (8.8.0) at 9 Institutions

Studbook ID	Sire	Dam	Generations R...	Current St...	Birth Date	Current Age	Sex Type	Current Lo...	Birth Loca...	Taxonomy
387	268	175	1	Alive	Dec 08, 1984	37Y,1M,11D	Female			
483	142	195	1	Dead	Dec 03, 1992	25Y,2M,26D	Male			
268	247	180	2	Dead	Nov 03, 1977	40Y,7M,9D	Male			
175	WILD	WILD	2	Dead	Jan 01, 197...	39Y,7M,20D	Female			
195	WILD	WILD	2	Dead	Jul 01, 1970...	44Y,0M,15D	Female			
142	28	29	2	Dead	Jul 09, 1969	22Y,5M,23D	Male			
29	582	583	3	Dead	Aug 29, 1960	16Y,2M,21D	Female			
28	20	21	3	Dead	Dec 28, 1961	9Y,9M,29D	Male			
247	WILD	WILD	3	Dead	Jul 01, 1970...	32Y,3M,2D	Male			
180	56	57	3	Dead	Mar 21, 1970	23Y,4M,6D	Female			
57	WILD	WILD	4	Dead	Jan 01, 195...	18Y,2M,0D	Female			
56	WILD	WILD	4	Dead	Jan 01, 195...	36Y,7M,17D	Male			
583	WILD	WILD	4	Dead	Jan 01, 194...	15Y,11M,30D	Female			
582	WILD	WILD	4	Dead	Jul 01, 1951...	10Y,9M,0D	Male			
20	WILD	WILD	4	Dead	Jul 01, 1949...	22Y,9M,6D	Male			

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Sibling List

The Sibling List displays in a similar way to the Descendent List, but this time displays a list of all **full** siblings (same dam and sire) of the focal animal. You cannot view the Sibling List in the Explorer chart.

> Living Animals > Antecedent List > Siblings List

Select Animal: 1048 Living Only Show History

Total: 2 (1.1.0) at 1 Institutions

Studbook ID	Sire	Dam	Current Status	Birth Date	Current Age	Sex Type	Current Locat...	Birth Location	Taxonomy
1062	483	387	Alive	Jan 26, 2015	6Y,11M,24D	Male			
970	483	387	Released to wild	Dec 13, 2009	9Y,10M,19D	Female			

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Unknown Pedigree Report

The Unknown Pedigree Report can only be accessed from the Tools menu, as it does not have a focal animal. The Unknown Pedigree Report lists any studbook animal which has some level of unknown pedigree, whether that is a direct unknown parent, or a few generations removed. You have the option to view only Living animals, show the transaction history and export to excel. You cannot view the Unknown Pedigree Report in the Explorer chart.

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> Living Animals > Antecedent List > Siblings List > Unknown Pedigree Report

Living Only Show History  

Total: 3 (1.0.2) at 2 Institutions

Studbook ID	Sire	Dam	Current Sta...	Birth Date	Current Age	Sex Type	Current Loc...	Birth Locati...	Taxonomy	Number of ...
781	UND	UND	Undetermin...	May 06, 1997	2Y,5M,0D	Male				0
DRAFT 22			Alive	Sep 12, 2016	5Y,4M,7D	Undetermined				0
DRAFT 21			Undetermin...	Jan 01, 1900	122Y,0M,18D	Undetermined				0

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Explorer Chart

The Explorer chart displays the descendent and antecedent information for an animal in your studbook. It is accessed through the [Descendant List](#) (1) and [Antecedent List](#) (2).

Diceros bicornis > Data Quality > **Descendant List**

Select Animal: Living Only Show History    

This animal is included as a parent in MULT groupings, as a result the number of descendants may be overestimated.

Total: 5 (5.0.0) at 2 Institutions 1 

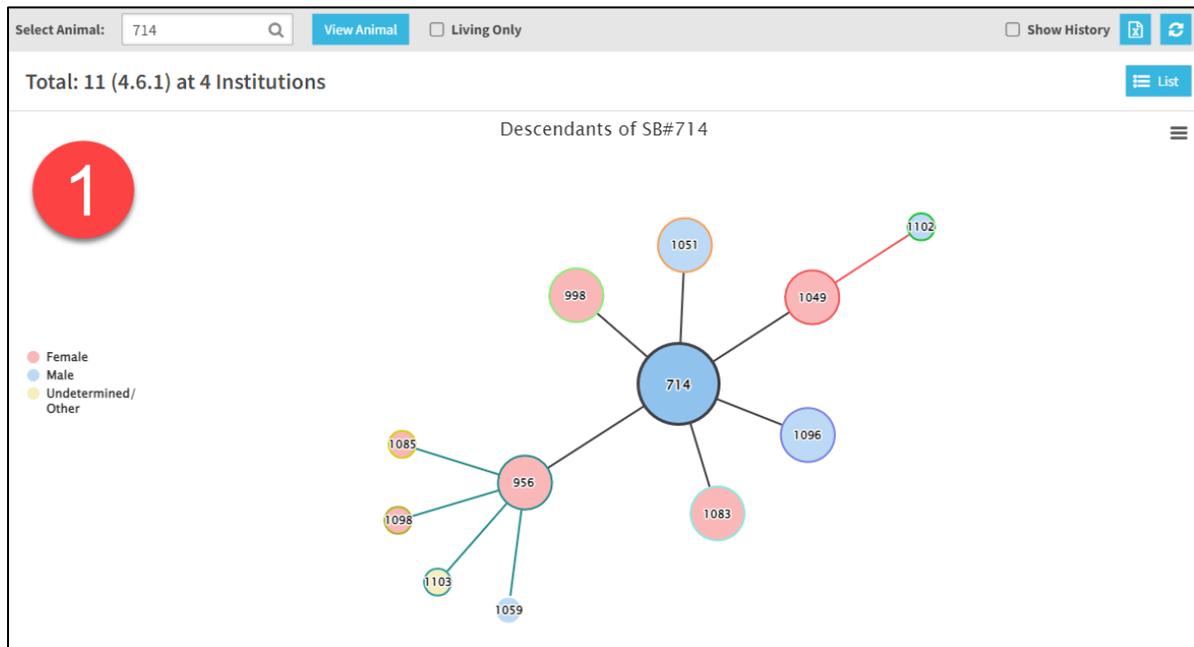
> Living Animals > **Antecedent List**

Select Animal: Living Only Show History  

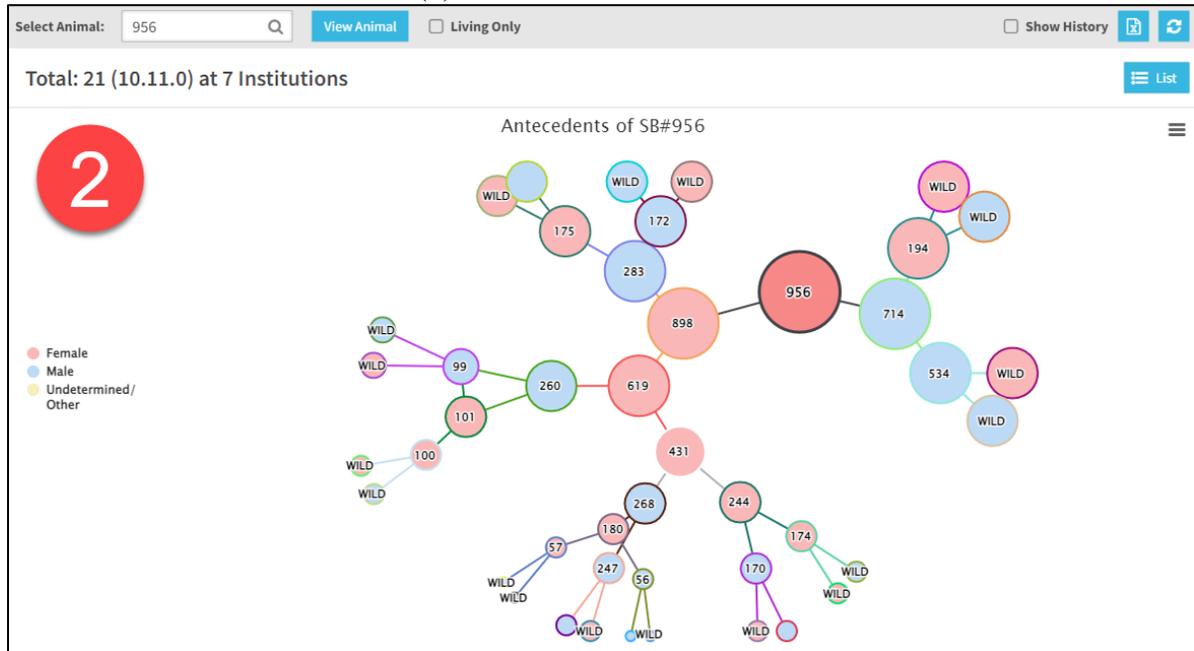
Total: 16 (8.8.0) at 9 Institutions 2 

The Explorer chart displays the pedigree information for the focal animal, displaying either the descendent or antecedent information depending on which you have chosen to look at. The Explorer chart includes Draft studbook animals, those with undetermined parents and [MULTs \(click to see how they are displayed in both charts\)](#).

Here we have the descendants for sb#714 (1):

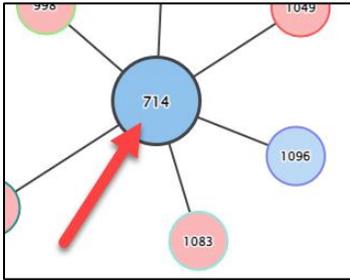


And the antecedents for sb#956 (2).

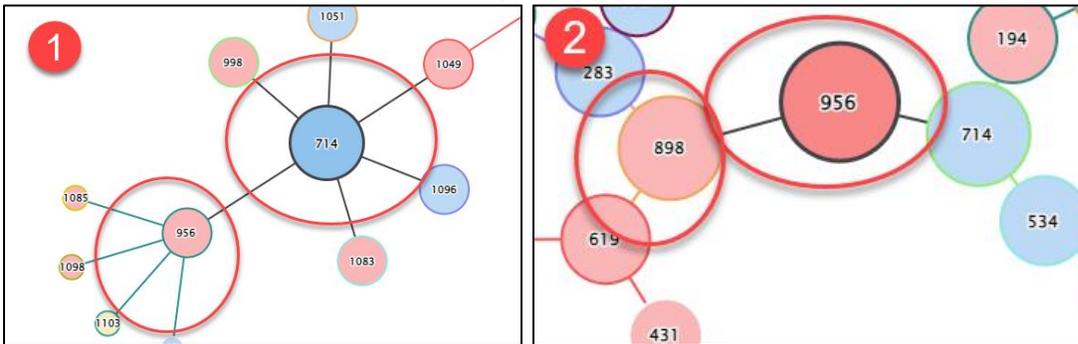


Our focal animal is always the largest circle with the thicker black border and darkest color, with all descendants/antecedents branching out and decreasing in size as they become further removed from the focal animal.

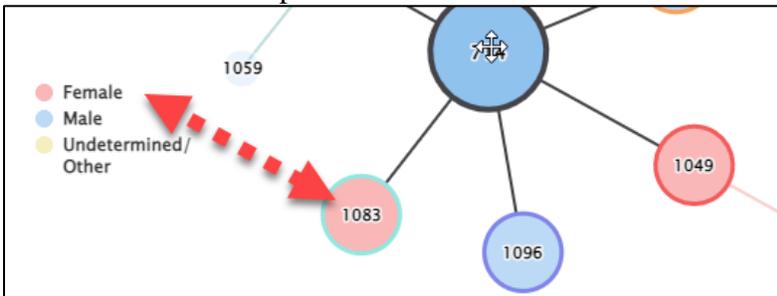
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Each animal has its own color border. The descendants or antecedents will be linked with the same color as the parent for easy tracking. For example, in the descendant explorer (1), all direct descendants of sb#714 are linked with a blank line and all direct descendants of sb#956 are linked by a green line. In the antecedent explorer (2), the parents of sb#956 are linked with black lines, and the parents of sb#898 are linked with orange lines.



The circle fill color represents the sex of the animal.



The chart displays the total number of animals and institutions, which is the same total as in the Descendant or Antecedent Lists and does not include the focal animal in the tally.

Total: 21 (10.11.0) at 7 Institutions

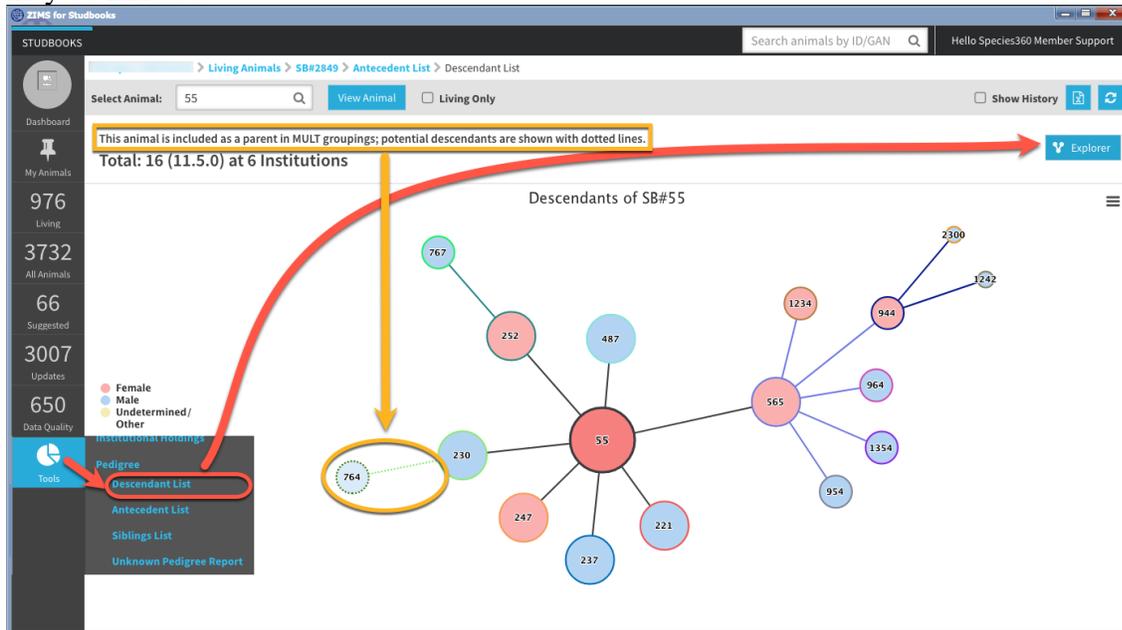
If your animal is part of a MULT, you will see the below notice on the chart to highlight this. The message will say: ***This animal has ancestors with MULT#s or is included as a Parent in a MULT; as***

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a result the number of ancestors may be overestimated. When viewing the Pedigree Explorer, this message says: *potential ancestors/descendants are shown with dotted lines.*

MULTs in the Descendant Explorer Chart:

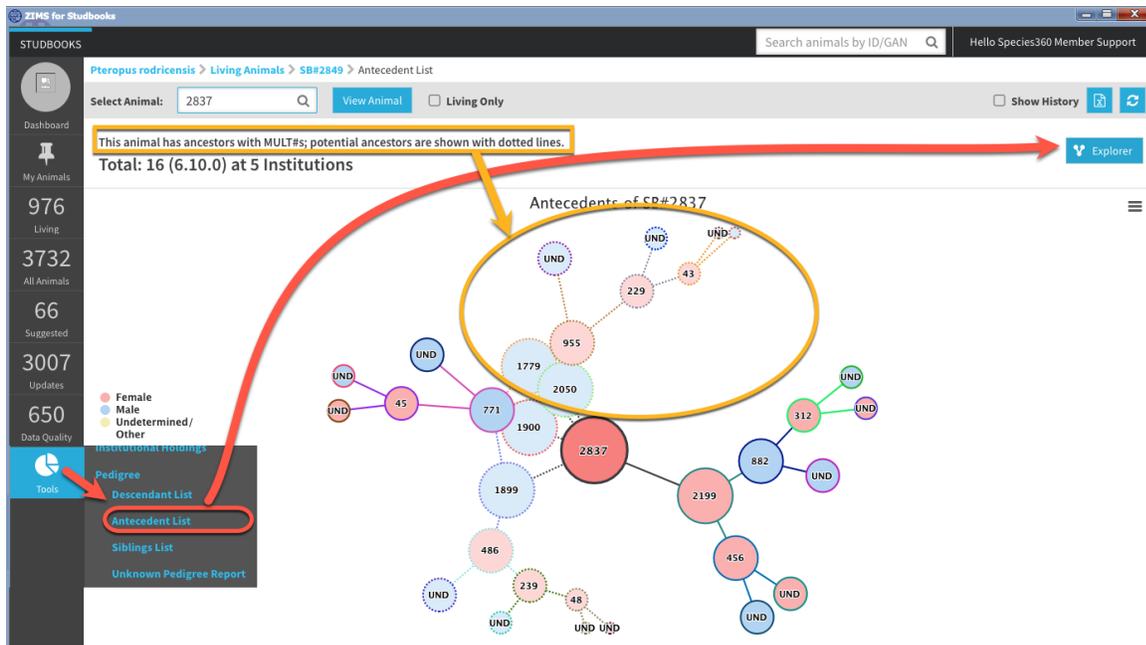
If your focal animal is designated as a possible parent (in a MULT), all possible descendants will display with dotted lines on the chart. As they are included, the number of offspring for your animal may be inflated:



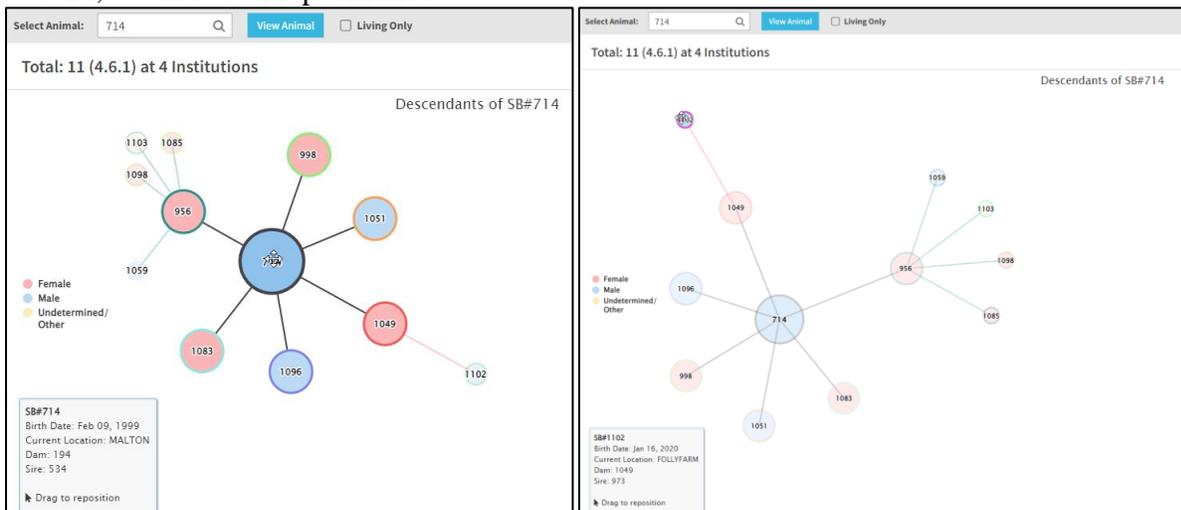
MULTs in the Antecedent Explorer Chart:

You will see the name/number of the MULT groupings in the antecedent explorer chart, all possible antecedents will be listed with dotted lines:

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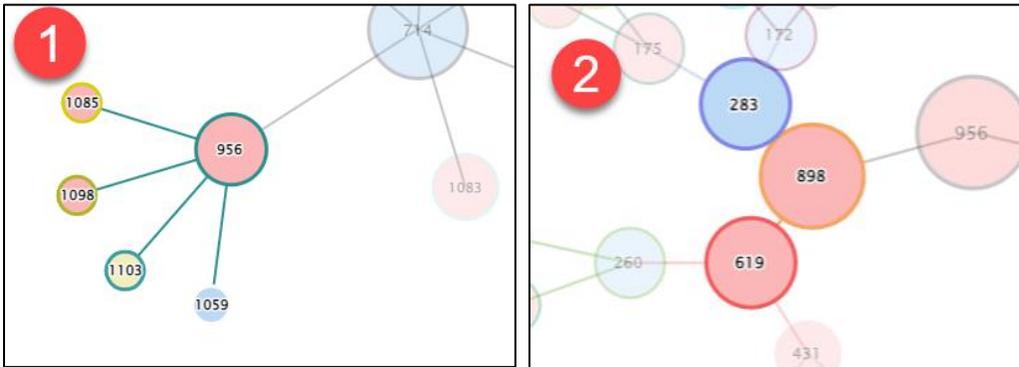


You can click and drag any animal in the chart to reposition the graph, move branches, and optimize your view, for example to make a branch clearer. Below is the same chart for the descendants of sb#714, but has been repositioned.

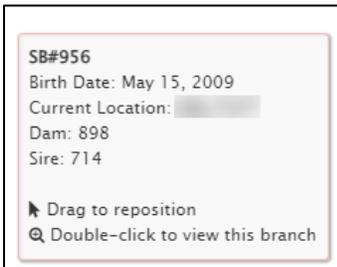


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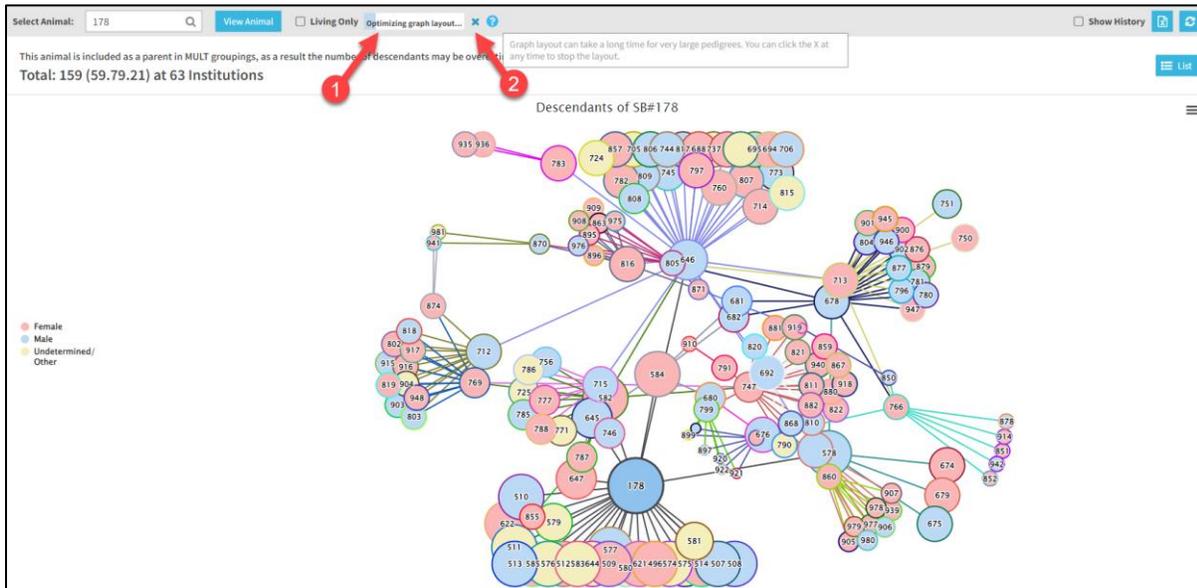
You can hover over any descendant to highlight that animal's descendants (1), for example below we have hovered over sb#956 to highlight 956's descendants. Hovering over an animal on the antecedent explorer will highlight the parents of that animal (2), here we have hovered over sb#898 to highlight parents sb#283 and sb#619.



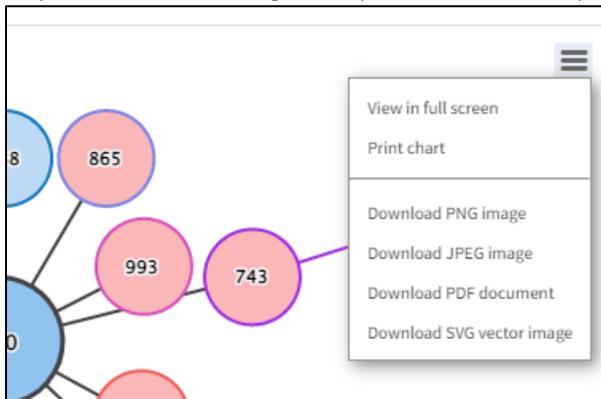
Hovering over an animal on both exporers will bring up the tool tip in the bottom left of the screen, which provides extra information about the animal such as birth/hatch date, current location, dam and sire.



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You can export your chart by clicking on the hamburger icon. Note that if you have changed the layout of your chart, the original layout will currently export.



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