

New Web Queries Introduction Session

CDCB Staff

September 2, 2020 2:00pm



Objectives

- Introduce the new web queries
- Demonstrate the new features and differences from the previous version
- Run some examples provided by users
- Address any questions or concerns

Main Reason for the Update

Accommodate our revision of the genomic fee management system

- By storing the nomination information on an animal-requester basis instead of a genotype basis, we avoid considerable complexity in cases of multiple genotypes per animal. The nomination table will contain only one row for an animal-requester combination, requiring the removal of the sample ID
- The sample ID reported with the genotype will continue to be stored
- If the animal ID submitted with a genotype is not found, we will no longer use a sample ID from nomination to identify the animal
- The sample ID can still be placed in the format 1G record and, in the case of a record type U, can be used to assign a genotype to a different animal

Other updates

- The parentage only designation is a fee code of 8
 - No separate parentage only designation will be stored
 - The parentage only indicator will be removed from all output
- The Nomination App had several columns removed and billing information added
 - The date a fee was assigned will be added. This value is used to determine which set of fees applies, in particular, which set to use when the fee codes assigned to herds are updated three times a year. Because the fee information will no longer be in the same table as the genotypes, it will be applied throughout the day rather than only at the twice-a-day update runs
- The **Sold** function has been moved from the nomination app to the genotype move app
- The Move App also allows the sample ID to be changed even if the genotype is not being reassigned
- Other improvements in processing were implemented, primarily to better handle rare situations and simplify responding to user requests

Nomination App (New vs Old)

User Input		Sex	Anim_ID	NAAB ID	Name		Sire_ID	Dam_ID	Birth Date	MBC	SRC
HOUSA000071068142		M	HOUSA000071068142		VER-NAN MAYFIELD RUDY-ET		HOUSA000069473980	HOUSA000066879821	2013-02-12	3	B
Nom Date	Scan Date	Rec.	PI	Sample ID	Sold	Nom. ID	Stud	Group / Herd ID	Fee	HRC	Record Actions
2013-02-28	2013-03-19	S	N	HAU0791867A-01	\$=>	HO	0	35370953	1		<--- Submit Changes
2013-03-21		N	N	HOUSAM000071068142		Select	14		1		<--- Submit Changes <<--- Delete This Nomination
Click here to toggle display of 'NEW Nomination' form.											
TBD	TBD	NEW	N	HOUSAM000071068142		AIPL					<--- Add This NEW Record
:!=: using default Sample_ID of HOUSAM000071068142 :!=: Fee_Code for NEW nominations must be one of (N,1,2,3,4,5,6,7,8,S).											

User Input	Sex	Animal	NAAB ID	Name		Sire	Dam	Birth Date	MBC	SRC
HOUSA000071068142	M	HOUSA000071068142		VER-NAN MAYFIELD RUDY-ET		HOUSA000069473980	HOUSA000066879821	2013-02-12	3	B
Rec Type	Mod. Date	Requester	Fee			Billing Date	Amount	Use Weekly	Comment	
Bill	2020-08-18 23:08	HO	1			2013-06-14	\$0	2015-06-22		
Rec Type	Mod. Date	Requester	Fee	Group/Herd	HRC	Fee Assigned Date	GT count	Entry Date	Comment	
Nom.	2013-03-26 12:03	HO	1	35370953		2013-05-31	1	2013-02-28		
Nom.	2018-09-04 12:09	Select	1			2013-03-21	0	2013-03-21		
Form for adding/modifying nominations										
ABS		N				Submit Change				

Status App (New vs Old)

INPUT (AnimID 1) : HOCANM000005470579

Animal: HOCAN000005470579 Sex Code: M Eval Breed: HO Blend Code: S

Sample ID	Bar Code	Pos.	Chip Name	Use Ind	Pend	Fee Code	Confirmations and Errors	PO	Sire Stat	Dam Stat	No. Prog	Tissue Source	Lab	Req.	Scan Date	Eval Use Date	SNP read	Breed SNP Conflicts
C4-7037-A	6909979044	R05C01	HD	Y		O		N	1	4	384		ITA	ANAFI	2012-05-02	2015-06-22	775737	0

Genotype Confirmations				Genotype Conflicts						
Confirmation Type	Confirmed Genotype			Pedigree Changed	Conflict Type		Conflicting Genotype			
	Barcode	Position	Confirm ID		Message	Code	Barcode	Position	Conflicting ID	USE
Sire	5557351028	R08C01	HOCAN000000383622 [M]		Progeny conflict	N5	5645094038	R06C04	HOUSA0000065480924 [F]	N
progeny	1990149054	L	HOCAN0000006826024 [M]		Progeny conflict	N5	4019593540	B	*(HOUSA0000018005684 [F])*	N
progeny	1990149069	L	HOCAN0000006839262 [M]							
progeny	1990149072	J	HOCAN0000006797081 [M]							
progeny	1990149204	F	HOCAN0000006786065 [M]							
brooenv	1992267013	C	HOUSA000125648358 [M]							

073HO01965	5528525057	R01C01	HD	M		O		N	1	4	0	S	BFGL	BFGL	2010-11-08		761993	0
200014950	4040270132	B	50K	M		O		N	1	4	0		UoMO	UoMO	2008-08-26		54884	0
073HO1965	1990149072	L	50K	M		O		N	1	4	0	S	BFGL	Semex	2008-06-23		47141	0
073HO01965	1992267379	H	50K	M		O		N	1	4	0		BFGL	HO	2007-08-22		50333	0

Input (Animal_ID)	Eval Breed	Blend Code	MGS Status	PGS Status	Use Weekly	Pend. Ped.																		
HOCANM000005470579	HO	S	<input type="button" value="MGS Info"/>	<input type="button" value="PGS Info"/>	2015-06-22		Animal	Sample ID	Barcode	Position	Chip	Fee	Use Ind.	Pend. GT	Conf.	Sire Status	Dam Status	Progeny Count	Tissue Source	Lab	Requester	Load Date	SNP Read Qty.	Bad HO SNP Qty.
HOCANM000005470579							HOCANM000005470579	C4-7037-A	6909979044	R05C01	HD	O	Y			1	4	384		ITA	ANAFI	2012-05-02	775737	0
HOCANM000005470579							HOCANM000005470579	073HO1965	1990149072	L	50K	O	M			1	4	0	S	BFGL	Semex	2008-06-23	47141	0
HOCANM000005470579							HOCANM000005470579	073HO01965	1992267379	H	50K	O	M			1	4	0		BFGL	HO	2007-08-22	50333	0
HOCANM000005470579							HOCANM000005470579	200014950	4040270132	B	50K	O	M			1	4	0		UoMO	UoMO	2008-08-26	54884	0
HOCANM000005470579							HOCANM000005470579	073HO01965	5528525057	R01C01	HD	O	M			1	4	0	S	BFGL	BFGL	2010-11-08	761993	0

Move App (New vs Old)

input:AYUSA000000117936

Sex	ID17	NAAB_ID	Name	Sire	Dam	Birth	New values to use on moved genotype : (?auto fill?)										
M	AYUSA000000117936	003AY00005	SELWOOD BETTY'S COMMANDER	AYUSA000000111157	AYCAN000000313300	1953/01/14											
Animal ID	Stat	Use	Barcode	Position	CHIP	SAMPLE ID	REQUESTER ID	GROUP NAME	SCAN DATE	NOM DATE	FEE	'TO' Animal ID :	Sample ID :(?Notes?)	Group/Herd Name :	Fee Code :	PI	HRC
AYUSA000000117936	S	Y	6129631112	R01C01	HD	AYCANM393145	Guelph		2011-10-25	2011-10-25	O	Don't Move	<-- pick destination animal first	<-- pick a Sample ID first	x	Select a PI	

input:HOCANM000005470579

Sex	ID17	NAAB_ID	Name	Sire	Dam	Birth	New values to use on moved genotype : (?auto fill?)										
M	HOCAN000005470579	073HO01965	STARTMORE RUDOLPH	HOCAN000000383622	HOCAN000004324253	1991/07/17											
Animal ID	Stat	Use	Barcode	Position	CHIP	SAMPLE ID	REQUESTER ID	GROUP NAME	SCAN DATE	NOM DATE	FEE	'TO' Animal ID :	Sample ID :(?Notes?)	Group/Herd Name :	Fee Code :	PI	HRC
HOCAN000005470579	S	M	1990149072	L	50K	073HO1965	Semex		2008-06-23	2008-06-23	O	Don't Move	<-- pick destination animal first	<-- pick a Sample ID first	x	Select a PI	
HOCAN000005470579	S	M	1992267379	H	50K	073HO01965	HO		2007-08-22	2007-08-22	O	Don't Move	<-- pick destination animal first	<-- pick a Sample ID first	x	Select a PI	
HOCAN000005470579	S	M	4040270132	B	50K	200014950	UoMO		2008-08-26	2008-08-26	O	Don't Move	<-- pick destination animal first	<-- pick a Sample ID first	x	Select a PI	
HOCAN000005470579	S	M	5528525057	R01C01	HD	073HO01965	BFGL		2010-11-08	2010-11-08	O	Don't Move	<-- pick destination animal first	<-- pick a Sample ID first	x	Select a PI	
HOCAN000005470579	S	Y	6909979044	R05C01	HD	C4-7037-A	ANAFI		2012-05-02	2012-05-02	O	Don't Move	<-- pick destination animal first	<-- pick a Sample ID first	x	Select a PI	

Animal	Use Ind.	Barcode	Position	Chip	Requester ID	Sold	Move To	Sample ID
HOCANM000005470579	Y	6909979044	R05C01	4	ANAFI	\$->	HOCAN000005470579	C4-7037-A
HOCANM000005470579	M	1990149072	L	1	Semex	\$->	HOCAN000005470579	073HO1965
HOCANM000005470579	M	1992267379	H	1	HO	\$->	HOCAN000005470579	073HO01965
HOCANM000005470579	M	4040270132	B	1	UoMO	\$->	HOCAN000005470579	200014950
HOCANM000005470579	M	5528525057	R01C01	4	BFGL	\$->	HOCAN000005470579	073HO01965
AYUSAM000000117936	Y	6129631112	R01C01	4	Guelph	\$->	AYUSA000000117936	AYCANM393145

Update Summary

- A sample ID is no longer required in the format 1G
- A nomination sample ID is no longer a backup for assigning an ID to a genotype
- The parentage only indicator has been removed both from format 1G (ignored if provided) and queries
- Updates to fee data are applied shortly after submission in the same way as FixFmt1 updates are applied

Thank you !!

