



Recent Improvements to LactanetGen.ca

**Amélioration récente
apportées à LactanetGen.ca**

Hannah Sweett



Outil de sélection

- Les caractères de type descriptif sont disponibles en option pour affiner les résultats d'une recherche de groupe

Lactanet Résultats d'une recherche

Modifiez la recherche Modifier l'outil de sélection  Calculateur de consanguinité

Votre recherche a trouvé **225 résultats** par ordre **IPV** avec **l'outil de sélection** appliqué

Tous Largeur du poitrail >= 7

Remettre les sélections par défaut

Identification	Nom	Année Naiss	Act.	SG	Code IPV	IPV	Pro\$
HOCANF15007984	COLLEGE 5919	2025			MP	3468	1826
HOCANF15008019	COLLEGE 5954	2025	A		MP	3390	1655
HOCANF15008045	COLLEGE 5980	2026	A	G	MP	3368	1031

Refinement Filter

- Descriptive type traits are available as an option to refine the group query results

Lactanet Query Results

Modify Query Modify this Refinement Filter  Inbreeding Calculator

Your search returned **225 results** sorted by **LPI** with **Refinement Filter** applied

All Chest Width >= 7

Reset to default settings

Identification	Name	Birth Year	Act.	GS	LPI Code	LPI	Pro\$
HOCANF15007984	COLLEGE 5919	2025			PA	3468	1826
HOCANF15008019	COLLEGE 5954	2025	A		PA	3390	1655
HOCANF15008045	COLLEGE 5980	2026	A	G	PA	3368	1031

Outil de sélection

Refinement Filter

Descriptive

UF

MIN

&

MAX

UD

MIN

&

MAX

UT

>=

MSL

>=

FA

>=

FTP

MIN

&

MAX

RAH

>=

RAW

>=

RTP

MIN

&

MAX

TL

MIN

&

MAX

FAN

>=

HD

>=

BQ

>=

RLSV

MIN

&

MAX

RLRV

>=

FLV

MIN

&

MAX

LOC

>=

ST

MIN

&

MAX

CW

>=

7

BD

>=

RS

>=

LS

>=

RAN

MIN

&

MAX

PW

>=

THP

MIN

&

MAX

Chest Width

Sommaire d'évaluation génétique

- Les numéros d'identification sont visibles pour les vaches inscrites au contrôle laitier
- La fonction de recherche « Numéro de troupeau de contrôle laitier » affiche également les numéros d'identification

Genetic Evaluation Summary

- Eartag numbers are visible for cows enrolled on milk recording
- DHI Herd Number Query also displays eartag numbers

 Genetic Evaluation Summary

 MENU 

English ▾

Summary	Progeny	Pedigree	Inbreeding	GenoTest	Breed Association
HOCANF15008085					
COLLEGE 6020					
BW 					
Born 28-JUN-26 INB 12.65% 6020 R 21%					
Sire: HO840M3250285893 09-APR-22 12.54% 22%					
Dam: HOCANF14328370 26-JUN-23 10.59% 21%					
MGS: HO840M3212874416 05-NOV-20 15.44% 22%					
OCD MILAN-ET					
COLLEGE 5580					
COOKIECUTTER LARSON-ET					



Sécurité et performance

Sécurité

- Cloudflare
- Renforcement du pare-feu
- Bloquer les bots basés sur l'intelligence artificielle (IA) et tout autre trafic malveillant



Performance

- Optimisation des requêtes
- Base de données
- Amélioration de l'expérience utilisateur



Security and Performance

Security

- Cloudflare
- Firewall tightening
- Prevent artificial intelligence (AI) bots and other malicious traffic

Performance

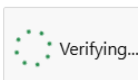
- Query optimization
- Backend database
- Improved user experience



lactanetgen.ca

Performing security verification

This website uses a security service to protect against malicious bots. This page is displayed while the website verifies you are not a bot.



En cours

- De nouvelles fonctionnalités de personnalisation sont actuellement en cours de développement et de test
 - **Triez** les requêtes de groupe en fonction des caractères qui vous intéressent le plus
 - **Caractères additionnels** à sélectionner
- Accès réservé aux utilisateurs connectés
- Date de lancement à confirmer

In Progress

- Enhanced customization abilities are currently in development and testing
 - **Reorder** group queries by the traits you are most interested in
 - **Additional traits** to select from
- Will only be accessible upon sign in
- Launch date to be announced

[Modify Query](#) [Refinement Filter](#) [Inbreeding Calculator](#) [Customize Columns](#) [Download to Excel](#)

Your search returned more than the maximum allowed results.
Only the first 400 will be displayed, sorted by Pro\$

Identification	Name	Birth Year	Act.	GS	LPI Code	LPI	pLPI	Pro\$	Milk	Fat	Prot	%F	%P	ME	FE	BMR	MR	SCS	Conf	MS	F&L	DS	RP
HOCANF15007929	COLLEGE 5864	2025	A	G	PA	3758	3815	2788	1028	96	61	+0.47	+0.19	101	99	102	106	107	5	2	9	0	5
HOCANF15007926	COLLEGE 5861	2025	A	G	PA	3671	3690	2498	-46	63	39	+0.54	+0.32	107	107	100	107	109	7	5	10	-1	5
HOCANF14653830	COLLEGE 5849	2025	A	G	PA	3670	3737	2326	518	85	58	+0.52	+0.31	98	99	95	101	100	7	6	5	4	2
HOCANF15007988	COLLEGE 5923	2025	A	G	PA	3706	3770	2280	899	98	52	+0.50	+0.15	97	98	99	103	102	8	7	8	3	3

En cours

In Progress

Customize Columns

Select the columns you wish to display and use the blue bar to drag and drop traits in the order you wish them to appear. Please note that not all traits are available for all breeds.

Clear Selections

Use Defaults

Identification	Name	Birth Year	Act.	GS	LPI Code	LPI	pLPI	Pro\$	Milk	Fat	Prot	%F	%P	ME	FE	BMR	MR	SCS	Conf	MS	F&L	DS	RP
----------------	------	------------	------	----	----------	-----	------	-------	------	-----	------	----	----	----	----	-----	----	-----	------	----	-----	----	----

Animal

National Indexes

Production

Functional

Conformation

☒ Identification

☒ Active Status

☐ Dam Name

☐ Name

☒ Genotype Status

☐ Polled

☐ Eartag

☐ Sire Short Name

☐ Beta Casein (A2)

☒ Birth Year

☐ MGS Short Name

Close

Apply Changes



Articles de Lactanet.ca

- Lancement en août 2026 d'une page améliorée consacrée aux articles sur la génétique sur Lactanet.ca

Lactanet.ca Articles

- Improved page for genetic articles on Lactanet.ca launched in AUG 2026

The screenshot displays the Lactanet.ca website interface. At the top, a teal header bar contains the DairyTrace logo on the left, a central navigation menu with links for ABOUT, NEWS, CONTACT, CAREERS, and RESOLUTIONS, a search icon and 'FR' language selector, an orange 'GENETIC TOOLS' button, and a 'MYSITE' button on the right. Below the header, the Lactanet logo (CANADIAN NETWORK FOR DAIRY EXCELLENCE) is on the left, and a horizontal menu lists: Milk Recording, Genetics (highlighted in a dark blue box), Lab Services, Apps & Software, Farm Management, and Events & Resources. Under the 'Genetics' menu item, a dropdown menu is visible with two options: 'Genetic Tools - Animal Queries & Inbreeding Calculator' and 'Articles', which is pointed to by an orange arrow. To the right of this dropdown, the 'Genetics' section title is shown in teal, followed by a paragraph: 'We provide world-class genetic evaluation services that benefits herd development for all dairy breeds in Canada.'



Genetics

From articles and eNews to our renowned [Open Industry Session \(OIS\)](#), Lactanet offers producers, partners, and stakeholders various ways to engage, network, learn and keep abreast of dairy production knowledge.

Annual Facts and Figures :

- [Lifetime Performance Index \(LPI\) Formula](#)
- [Annual Update to Pro\\$](#)
- [Base Change Summary](#)
- [Average Gain in LPI and Pro\\$ Reliability](#)
- [Sire Proof Interpretation Table for Linear Type Traits](#)
- [Inbreeding Update](#)
- [Trend in Genomic Versus Proven Sire Usage](#)



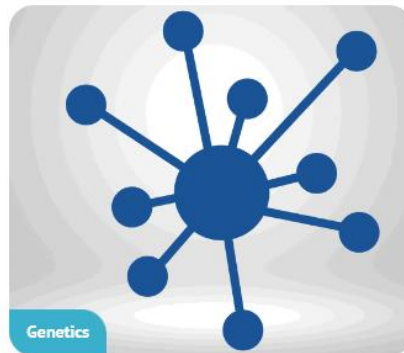
Annual updates
Mises à jour annuelles

The Latest Articles



Hannah Sweett | October 14, 2026

Behind the Scenes of a Dairy Cattle Genetic Evaluation: From Information to Prediction →



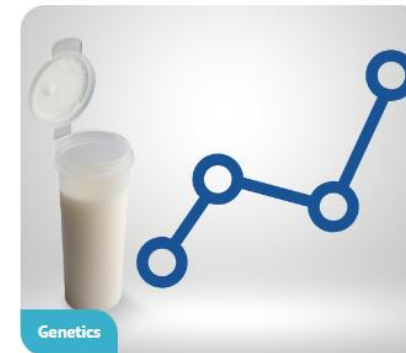
Hannah Sweett | October 7, 2026

Behind the Scenes of a Dairy Cattle Genetic Evaluation: Making Connections →



Hannah Sweett | October 1, 2026

Behind the Scenes of a Dairy Cattle Genetic Evaluation: Making Fair Comparisons →



Hannah Sweett | September 23, 2026

Behind the Scenes of a Dairy Cattle Genetic Evaluation: The Foundation →



The newest articles
Les derniers articles

Articles de Lactanet.ca

Lactanet.ca Articles



Displayed in a list
Affichés sous forme de liste



Improved search functionality
Fonctionnalité de recherche améliorée

Filter

Conformation Functional Traits
Genetic Conditions
Genetic Progress Genetics Tools
National Selection Index
Production Trends
Updates & Criteria

[RESET](#)



Filter by topic
Filtre par thème

Search



Newest First



Behind the Scenes of a Dairy Cattle Genetic Evaluation: From Information to Prediction

Genetics Tools

14 October 2026



Behind the Scenes of a Dairy Cattle Genetic Evaluation: Making Connections

Genetics Tools

7 October 2026



Behind the Scenes of a Dairy Cattle Genetic Evaluation: Making Fair Comparisons

Genetics Tools

1 October 2026



Behind the Scenes of a Dairy Cattle Genetic Evaluation: The Foundation

Genetics Tools

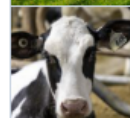
23 September 2026



Inbreeding Update – August 2026

Trends

30 August 2026



Trend in Genomic Versus Proven Sire Usage

Trends

17 June 2026

Article archives from cdn.ca will be added as pdf files

Les archives d'articles provenant de cdn.ca seront ajoutées sous forme de fichiers PDF



Nouvelle série

Dans les coulisses de l'évaluation

New Series

Behind the Evaluations

1



**The
Foundation**

Le fondement

2



**Making Fair
Comparisons**

Établir des
comparaisons
équitables

3



**Making
Connections**

Établir des liens

4



**From Information
to Prediction**

De l'information à
la prédiction

5



**Bringing it all
Together & Looking
Ahead**

Rassembler tous les
éléments & regarder
vers l'avenir

Read the series

Lire la série



English



Français



Milk, Fat, & Protein

Definition

Milk, Fat & Protein Yields

Volume (kg) of milk, fat, or protein produced over a 305-day lactation

Fat & Protein Deviation

Deviation from breed average for the % of fat or protein during a 305-day lactation in a herd of average management

Data

- Qualifying test day records (since early 1990s)
- 5 to 305 DIM (first 3 lactations)
- eDHI clients: Only test day milk yields
- **Qualifications:**
 - ✓ Herdbook registered and known sire
 - ✓ Validated test day yields
 - ✓ Annual meter verification

Interpretation

Reported as **Estimated Breeding Values (EBV)** that provide an estimate of an animal's superiority or inferiority compared to animals with a rating of zero (genetic base)

- Published for each lactation and overall

Base Definition:

Cows born during a 3-year period centred seven years ago that have test day records in the Canadian Test Day Model analysis

EBV Interpretation Example



Bull
Milk EBV: **+2000 kg**

Daughters produce **1000 kg more** milk than daughters of a bull with an EBV of 0 kg



Heifer/Cow
Milk EBV: **+2000 Kg**

Produce **2000 kg more** milk than average cow in Canada

Key Facts

Heritability:
26% to 28% (Holstein Yields)

Breeds:
All

Selection Index:
LPI: Fat & Protein Yields for all breeds in Production subindex
Pro\$: Milk, Fat, Protein Yields

Model Effects*

- Herd | Test day
- DIM
- Time | Region | Age | Parity | Season
- Herd | Year

**Not all traits have the same effects*

Coming Soon... À venir...

- Genetic Evaluation Factsheets will be available on the Lactanet website in the coming months
- Les fiches d'information d'évaluation génétique seront disponibles sur le site Internet de Lactanet dans les prochains mois



Thank You
Merci

hsweett@lactanet.ca

