

CATTLE PARENTAGE AND GENETIC MARKER TEST REPORT

<i>Provided Information:</i> Name: AF RORY Registration:	Case: DEX12374 Date Received: 20-Oct-2025 Report Issue Date: 22-Oct-2025 Report ID: 9354-9467-4082-7197 Verify report at vgl.ucdavis.edu/verify
DOB: 09/03/2025 Sex: Male Breed: Dexter Alt. ID: 840-003-284-988-651	
Sire: KIRKHAVEN DILLON Dam: LF ELLIE LONDON Reg: pending Reg: Microchip: Microchip:	

RESULTS AND INTERPRETATION

AF Rory qualifies as an offspring of LF ELLIE LONDON and Kirkhaven Dillon pending.

GENETIC MARKERS

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
BM1818	258/262	BM1824	182/188	BM2113	137
BRR	255/260	CYP21	198	ETH003	117/127
ETH10	215/219	ETH225	146/150	INRA23	208
RM006	110/118	RM067	102	SPS115	248
TGLA122	143/175	TGLA126	115/123	TGLA227	81/93

DEXTER GENETIC TEST REPORT

Provided Information: Name: AF RORY Registration:	Case: DEX12374 Date Received: 20-Oct-2025 Report Issue Date: 23-Oct-2025 Report ID: 3870-5556-5358-0177 Verify report at vgl.ucdavis.edu/verify
DOB: 09/03/2025 Sex: Male Breed: Dexter Alt. ID: 840-003-284-988-651	

RESULT	INTERPRETATION
MC1R (EXTENSION)	Animal has two copies of wild type and is red in color.
E⁺/E⁺	
Dun (TYRP1)	
Not Requested	
Dexter Dilution (SLC45A2)	No copies of the SLC45A2 allele associated with this Dexter dilution.
N/N	
Pulmonary Hypoplasia with Anasarca (PHA)	Normal, does not have the Dexter PHA mutation.
N/N	
Polled vs. Horned	POLLED. Two copies of the Polled-Celtic molecular marker are present. All offspring will be polled.
Pc/Pc	
Bulldog Dwarfism (BD1)	
Not Requested	
Bulldog Dwarfism (BD2)	Normal, does not have the Dexter BD2 Bulldog mutation.
N/N	

Provided Information: Name: AF RORY Registration:	Case: DEX12374 Date Received: 20-Oct-2025 Report Issue Date: 24-Oct-2025 Report ID: 6546-4666-7677-2066 Verify report at vgl.ucdavis.edu/verify
DOB: 09/03/2025 Sex: Male Breed: Dexter Alt. ID: 840-003-284-988-651	

Beta Casein Result	Kappa Casein Result	Beta Lactoglobulin Result
A2/A2	A/B	B/B

Beta Casein (A2 Genotyping) Interpretation

In the A2C nomenclature for A2 genotyping, the Beta Casein above corresponds to A2/A2.

Milk yield and protein content. The A2 variant has been shown to have a positive association with milk yield and protein content. The expanded beta casein test reflected in this report detects variants A1, A2, A3, B, C, D, E, F, G, H1, H2, I, K and L.

Based on the aminoacid present in position 67 these variants can be classified into 2 groups - A1 and A2. Variants in the A1-group (Histidine) are A1, B, C, F and G. Variants in the A2-group (Proline) are A2, A3, D, E, H1, H2, I, K and L. The levels of bioactive peptide beta-casomorphin 7 (BCM7) produced from the metabolism of beta casein is several-fold higher for variants in the A1 group than in the A2 group. Higher levels of BCM7 have been associated with negative health effects in humans. Relative to levels of BCM7 production, variants within each group behave similarly but may differ in other properties.

Kappa Casein Interpretation

Protein yield and percentage. The A variant and AA genotype are associated with higher milk production. The B variant and BB genotype are associated with increased milk protein and casein content, and better cheese yield. Relative to protein content and cheese production, BB is the most favorable genotype, AB is intermediate and AA is the least favorable.

Beta Lactoglobulin Interpretation

Milk yield and whey protein content. The A variant is associated with increased milk yield and whey protein content. The B variant is associated with increased casein and fat content and is favorable for cheese production.

AMERICAN DEXTER CATTLE ASSOCIATION

CERTIFICATE OF REGISTRATION

A.F. Rory No. 058493

DATE OF BIRTH:	SEX:	COLOR:	POLL:	CHONDRO:	PHA:	PARENTAGE DNA:	BREEDING:	LEFT/RIGHT ID:	DATE REGISTERED:
Sep 3, 2025	Bull	Red	Polled	Noncarrier	Noncarrier	G5 - Sire and dam qualify	Pasture	- / 988651	Oct 27, 2025

SIRE: Kirkhaven Dillon 042657 — Kirkhaven My Cabernet 030931 — DL Reuben 025258
— Jerac Violet 023793
— Moosters Harvest Moon 037698 — PRF Hondo Lane 031963
— Gladhour Wrencesky 022562
DAM: LF Ellie London 042963 — B Chaney's King Midas 035288 — Legend Red Midas 022117
— GPF Dixie Deep Freeze 034091 — Wieringa's Queen TC 023179
— Rhina K Brady 020800
— Trinity FF Diana 028832

This is to certify that the animal described herein has been accepted into the American Dexter Cattle Association herdbook. This certificate is issued in full reliance upon the truth of the statements contained in the application file therefor, but in no event is it to be deemed a guarantee by the Association of the breeding of this animal.

BREEDER #10711
Holly & Marvin Golden
455 Hansell Chastain Rd
Thomasville, GA 31757

OWNER #10711
Holly & Marvin Golden
455 Hansell Chastain Rd
Thomasville, GA 31757

Jill Delaney Oct 27, 2025
Registrar, American Dexter Cattle Association Date of Issue

If ownership is transferred, this certificate is to be endorsed on the reverse side and mailed to the Registrar with the appropriate fee.