

CATTLE PARENTAGE AND GENETIC MARKER TEST REPORT

<i>Provided Information:</i> Name: AF DECLAN Registration:	Case: DEX12765 Date Received: 27-Feb-2026 Report Issue Date: 10-Mar-2026 Report ID: 2290-3816-3167-4100 Verify report at vgl.ucdavis.edu/verify
DOB: 11/09/2025 Sex: Male Breed: Dexter Alt. ID: 840003284988652	
Sire: FF FREEDOM'S JAMESON Reg: Microchip:	Dam: TSU 1935 ANNIE Reg: pending Microchip:

RESULTS AND INTERPRETATION

AF Declan qualifies as an offspring of TSU 1935 Annie pending and FF Freedom's Jameson.

GENETIC MARKERS

LOCUS	TYPE	LOCUS	TYPE	LOCUS	TYPE
BM1818	262	BM1824	178/182	BM2113	125/137
BRR	254/260	CYP21	191/198	ETH003	117/127
ETH10	219	ETH225	150	INRA23	208
RM006	118	RM067	94/102	SPS115	248
TGLA122	143	TGLA126	117/123	TGLA227	87

DEXTER GENETIC TEST REPORT

Provided Information: Name: AF DECLAN Registration:	Case: DEX12765 Date Received: 27-Feb-2026 Report Issue Date: 10-Mar-2026 Report ID: 5934-4883-1322-6133 Verify report at vgl.ucdavis.edu/verify
DOB: 11/09/2025 Sex: Male Breed: Dexter Alt. ID: 840003284988652	

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)	
Not Requested	
Pulmonary Hypoplasia with Anasarca (PHA)	
Not Requested	POLLED. One copy of the Polled-Celtic molecular marker is present. At least 50% of the offspring will be polled.
Polled vs. Horned	
Pc/H	Normal, does not have the Dexter BD1 Bulldog mutation.
Bulldog Dwarfism (BD1)	
N/N	
Bulldog Dwarfism (BD2)	
Not Requested	

CATTLE MILK PROTEIN GENETIC TEST REPORT

Provided Information: Name: AF DECLAN Registration:	Case: DEX12765 Date Received: 27-Feb-2026 Report Issue Date: 10-Mar-2026 Report ID: 5308-0479-1765-7173 Verify report at vgl.ucdavis.edu/verify
DOB: 11/09/2025 Sex: Male Breed: Dexter Alt. ID: 840003284988652	

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

SML Declan

SML Declan

ADCA Reg. No: 059527
Volume: XLIX

Gender: Bull
Polled: Yes
Color: Red
Chondrodysplasia: Non-carrier
PHA: Non-carrier
Parentage DNA: Sire and Dam Qualify

Date of Birth: 11/09/2025

Breeder: Stephen McDonald Jr (#14903 / 2026)
Mcdonald Livestock
1803 Antioch Rd
Albany, GA
31705
(229) 347-6878
pretoriafarms@gmail.com

Owner: Holly & Marvin Golden (#10711 / 2026)
Apafia Farm
455 Hansell Chastain Rd
Thomasville, GA
31757
(229) 228-1682
hollylgolden@gmail.com

SML Declan

Sire FF Freedom's Jameson Red ^{PNA}	Aislinn's Red Dandy Red ^{PNA}	Legend Red Mace Red ^{PNA}	Tama Titanium Red ^{PNA}	Llanfair's Cinnabar Red ^{PNA}
				Llanfair's Fiona Black ^{PNA}
		Windfall's Ailis Black ^{PNA}	Legend Red Mariah Red ^{PNA}	Tama Titanium Red ^{PNA}
				Legend Red Mona Red ^{HNA}
			RdoubleD Rebel Rambler Black ^{PNA}	Hiyu Rambler II Black ^{HA}
			J L Ryan's Aisling Black ^{HNA}	Esmeralda Black ^{PA}
	FF Irish Whiskey Gir Black ^{PNA}	IA Jaxon Dun ^{PNA}	IA Erin's Earnest Try Black ^{HNB}	Llanfair's Ryan Red ^{HNA}
				SGF Aisling Black ^H
		FF Spice Girl Black ^{PCA}	New Day Jasmine Dun ^{PNA}	Asinus Acres San Ju S Black ^{HC}
				Erin of Common Ground Black ^{HN}
			FF Freedom's Hi- Honors Black ^{PNA}	SJDS Black Jack Black ^{PA}
			Rhema's Red Hot Red ^{HCA}	C R Lady Jade Dun ^{HA}
Dam TSU 1935 Annie Red ^{PNA}	Shiloh Hills Mighty Gus Red ^{PNA}	Glenn Land Mr Tyrone Red ^{PNA}	Glenn Land Mr. McRed Red ^{PNA}	BCF Merc Shang-Hi Red ^{PNA}
				FF Jingle Belle Dun ^{HNA}
		Shome Shilo Black ^{PNA}	Glenn Land Roda ^H	Thomas' RY Red Lad Red ^{HNA}
				Ballina Of Rhema Dun ^H
			Shome Red Fred Red ^P	Llanfair's Polgaron Black ^{PNA}
			Shome Shena Black ^P	Glenn Land Maple Red or Dun ^H
	Windfall's Fola C Black ^{HNA}	Tama Copper Red ^{HNA}	Shome Red Fred Red ^P	Glenn Land Mr. Redfire Red ^{PNA}
				Glenn Land Ms Nanci Black ^H
		Windfall's Cara Black ^{HNA}	Llanfair's Cinnabar Red ^{PNA}	Twilite Jake Red or Dun ^P
				Glenn Land Miss Fudge Black ^P
			Llanfair's Toggi Red ^{HN}	Shome Royale Black ^P
				Shannon o'Briar Hill Red or Dun ^H