

Spring  
2024

# Holstein Sire Directory



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Information from CDCB 04.24 production, and HA 04.24 type evaluations.

097HO42956 **HAMMERHEAD** 



**PEAK HAMMERHEAD-ET**  
 ALTAOVERTAKE X  
 WHEELHOUSE X ALTAZZAZZLE  
 HO840003252198065  
 DOB: **10/13/2022**  
 aAa: **324156**  
 DMS: **135,123**  
**99%** RHA  
 GFI: **11.9%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -  
 RECESSIVES: **TC TY TV TL**  
**TD TP TR TE**

**CREATE**

**PGS:** PEAK ALTAZZAZZLE-ET  
**PGD:** LADYS-MANOR GRNT OOHM-ET  
**S:** LADYS-MANOR ALTAOVERTAKE-ET  
**D:** PEAK HIGHLAND-ET  
**MGS:** PEAK WHEELHOUSE-ET  
**MGD:** PEAK HYPNOTIC-ET

097HO43113 **MYSTICAL** **COMING SOON**



**PEAK MYSTICAL-ET**  
 ALTAMAINSTREAM X  
 MOONRISE X FASTBALL  
 HO840003269404459  
 DOB: **03/21/2023**  
 aAa: **345216**  
 DMS: -  
**99%** RHA  
 GFI: **12.0%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -  
 RECESSIVES: **TL TV TC TD**  
**TY TR TP TE**

**CREATE NEW**

**PGS:** PEAK WHEELHOUSE-ET  
**PGD:** PEAK MERCY-ET  
**S:** PEAK ALTAMAINSTREAM-ET  
**D:** PEAK MINARI 46731-ET  
**MGS:** PEAK MOONRISE-ET  
**MGD:** PROGENESIS FASTBALL 5376

<b>CRV EFFICIENCY 13%</b>
LONGEVITY <b>589</b> FEED EFFICIENCY <b>104</b>

<b>CRV HEALTH 2%</b>
HOOF HEALTH <b>100</b> UDDER HEALTH <b>104</b> FERTILITY <b>102</b>

<b>PRODUCTION</b>	PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79%</b> REL			
MILK <b>1046</b>	FAT <b>131</b> + <b>0.31%</b>	PROTEIN <b>60</b> + <b>0.09%</b>	LACTOSE <b>34</b> - <b>0.01%</b>	
SCS <b>2.8</b>	CFP <b>191</b>	MUN <b>2.40</b>	METHANE -	
FEED SAVED <b>26</b>	RFI <b>28</b>			

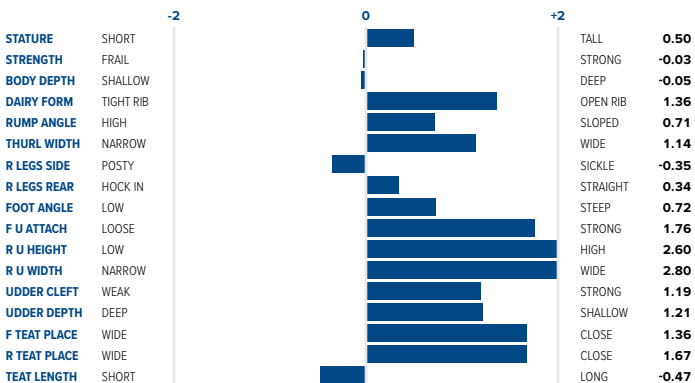
<b>HEALTH TRAITS</b>				
PL <b>5.5</b>	COW LIVABILITY <b>1.5</b>	H. LIVABILITY <b>0.8</b>	CALF SURVIVAL <b>102</b>	
MILK FEVER <b>0.1</b>	DAB <b>0.4</b>	KETOSIS <b>1.8</b>	METRITIS <b>2.4</b>	
MAS (U.S.) <b>2.2</b>	CL MASTITIS <b>103</b>	S-CL MASTITIS <b>105</b>	RET PLACENTA <b>0.6</b>	
TEMP <b>102</b>	PERS <b>103</b>	RES <b>102</b>		

<b>CALVING TRAITS &amp; FERTILITY</b>				
DPR <b>-0.7</b>	CCR <b>0.5</b>	HCR <b>2.3</b>	F. INDEX <b>0.1</b>	
EFC <b>3.1</b>	G. LENGTH <b>-0.6</b>	C. INTERVAL <b>101</b>	BW <b>103</b>	
SCE <b>2.0</b>	SSB <b>5.7</b>	DCE <b>1.1</b>	DSB <b>4.0</b>	

<b>MILK ROBOT</b>			
ROBOT INDEX <b>107</b>	ROBOT EFFICIENCY <b>110</b>	ROBOT INTERVAL <b>93</b>	

<b>INDEX</b>						
NM\$ <b>1143</b>	GTPI <b>3155</b>	NVI <b>215</b>	CM\$ <b>1163</b>	FM\$ <b>1003</b>	GM\$ <b>1088</b>	

<b>CONFORMATION</b>	CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>78%</b> REL				
PTAT <b>1.43</b>	UDC <b>2.00</b>	FLC <b>0.58</b>	BWC <b>-0.36</b>	LOC <b>94</b>	



<b>CRV EFFICIENCY -%</b>
LONGEVITY <b>365</b> FEED EFFICIENCY -

<b>CRV HEALTH -%</b>
HOOF HEALTH -      UDDER HEALTH <b>103</b> FERTILITY <b>101</b>

<b>PRODUCTION</b>	PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79%</b> REL			
MILK <b>1353</b>	FAT <b>138</b> + <b>0.29%</b>	PROTEIN <b>69</b> + <b>0.09%</b>	LACTOSE <b>67</b> <b>0.00%</b>	
SCS <b>2.77</b>	CFP <b>207</b>	MUN -	METHANE -	
FEED SAVED <b>393</b>	RFI <b>-230</b>			

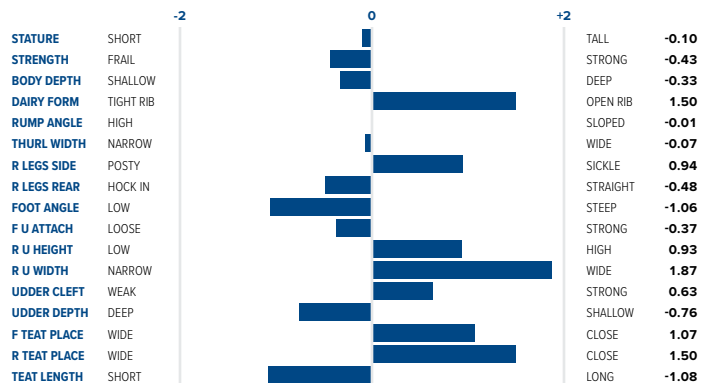
<b>HEALTH TRAITS</b>				
PL <b>6.2</b>	COW LIVABILITY <b>2.0</b>	H. LIVABILITY <b>0.6</b>	CALF SURVIVAL -	
MILK FEVER <b>0.0</b>	DAB <b>1.0</b>	KETOSIS <b>2.0</b>	METRITIS <b>1.9</b>	
MAS (U.S.) <b>2.8</b>	CL MASTITIS <b>103</b>	S-CL MASTITIS <b>103</b>	RET PLACENTA <b>0.1</b>	
TEMP <b>101</b>	PERS -	RES -		

<b>CALVING TRAITS &amp; FERTILITY</b>				
DPR <b>-1.0</b>	CCR <b>0.2</b>	HCR <b>1.2</b>	F. INDEX <b>0.0</b>	
EFC <b>5.7</b>	G. LENGTH <b>-1.2</b>	C. INTERVAL <b>101</b>	BW -	
SCE <b>1.9</b>	SSB <b>5.5</b>	DCE <b>2.2</b>	DSB <b>4.1</b>	

<b>MILK ROBOT</b>			
ROBOT INDEX <b>104</b>	ROBOT EFFICIENCY <b>105</b>	ROBOT INTERVAL <b>96</b>	

<b>INDEX</b>					
NM\$ <b>1323</b>	GTPI <b>3106</b>	NVI -	CM\$ <b>1344</b>	FM\$ <b>1183</b>	GM\$ <b>1267</b>

<b>CONFORMATION</b>	CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>77%</b> REL				
PTAT <b>0.00</b>	UDC <b>0.53</b>	FLC <b>-0.50</b>	BWC <b>-1.08</b>	LOC <b>95</b>	





# 097HO42852 MECANICO



**PEAK MECANICO-ET**  
 ALTAKEVLOW X ALTAZAZZLE  
 X ALTAEXPLOSION  
 HO840003247843199  
 DOB: **02/08/2022**  
 aAa: **243651**  
 DMS: **456,561**  
**99%** RHA  
 GFI: **11.7%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BE**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES:  
 RECESSIVES: **TV TL TY TD**  
**TC TP TR TE**

**CREATE**

**S:** PEAK ALTAKEVLOW-ET  
**D:** PEAK MECCA-ET

**PGS:** PEAK ALTAPLINKO-ET  
**PGD:** PEAK ELEANOR-ET

**MGS:** PEAK ALTAZAZZLE-ET  
**MGD:** PEAK MISHKA-ET

# 097HO43027 PHELPS



**PEAK PHELPS-ET**  
 LIONEL X ALTAPLINKO X  
 DISCJOCKEY  
 HO840003252198552  
 DOB: **02/08/2023**  
 aAa: **351462**  
 DMS: -  
**99%** RHA  
 GFI: **11.7%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES:  
 RECESSIVES: **TL TV TD TY**  
**TC TP TR TE**

**CREATE NEW**

**S:** MR T-SPRUCE FRAZZ LIONEL-ET  
**D:** PEAK PATCHES

**PGS:** MELARRY JOSUPER FRAZZLED-ET  
**PGD:** NO-FLA MONTROSS 42446-ET

**MGS:** PEAK ALTAPLINKO-ET  
**MGD:** PEAK PLRS DSJCKY 62750-ET

<b>CRV EFFICIENCY 17%</b>	
LONGEVITY <b>426</b>	FEED EFFICIENCY <b>108</b>

<b>CRV HEALTH 5%</b>		
HOOF HEALTH <b>102</b>	UDDER HEALTH <b>106</b>	FERTILITY <b>104</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 79% REL					
MILK	<b>676</b>	FAT	<b>117 +0.32%</b>	PROTEIN	<b>61+0.14%</b>	LACTOSE	<b>27 0.00%</b>
SCS	<b>2.71</b>	CFP	<b>178</b>	MUN	<b>-0.30</b>	METHANE	-
FEED SAVED	<b>308</b>	RFI	<b>-96</b>				

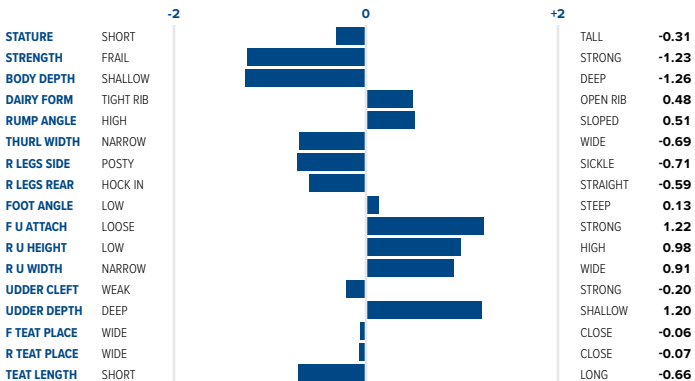
HEALTH TRAITS							
PL	<b>6.6</b>	COW LIVABILITY	<b>2.8</b>	H. LIVABILITY	<b>0.3</b>	CALF SURVIVAL	<b>97</b>
MILK FEVER	<b>-0.1</b>	DAB	<b>0.4</b>	KETOSIS	<b>1.9</b>	METRITIS	<b>2.4</b>
MAS (U.S.)	<b>3.3</b>	CL MASTITIS	<b>105</b>	S-CL MASTITIS	<b>106</b>	RET PLACENTA	<b>0.4</b>
TEMP	<b>104</b>	PERS	<b>104</b>	RES	<b>104</b>		

CALVING TRAITS & FERTILITY							
DPR	<b>1.0</b>	CCR	<b>3.2</b>	HCR	<b>1.9</b>	F. INDEX	<b>1.4</b>
EFC	<b>1.9</b>	G. LENGTH	<b>-2.5</b>	C. INTERVAL	<b>102</b>	BW	<b>97</b>
SCE	<b>1.3</b>	SSB	<b>5.9</b>	DCE	<b>1.5</b>	DSB	<b>5.3</b>

MILK ROBOT					
ROBOT INDEX	<b>110</b>	ROBOT EFFICIENCY	<b>105</b>	ROBOT INTERVAL	<b>94</b>

INDEX											
NM\$	<b>1222</b>	GTPI	<b>3090</b>	NVI	<b>289</b>	CM\$	<b>1250</b>	FM\$	<b>1022</b>	GM\$	<b>1211</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 77% REL							
PTAT	<b>0.47</b>	UDC	<b>0.97</b>	FLC	<b>-0.06</b>	BWC	<b>-1.4</b>	LOC	<b>95</b>



<b>CRV EFFICIENCY 20%</b>	
LONGEVITY <b>292</b>	FEED EFFICIENCY -

<b>CRV HEALTH 1%</b>		
HOOF HEALTH <b>99</b>	UDDER HEALTH <b>98</b>	FERTILITY <b>104</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 81% REL					
MILK	<b>1973</b>	FAT	<b>154 +0.26%</b>	PROTEIN	<b>82 +0.07%</b>	LACTOSE	<b>96 0.04%</b>
SCS	<b>2.87</b>	CFP	<b>236</b>	MUN	<b>-0.50</b>	METHANE	-
FEED SAVED	<b>128</b>	RFI	<b>69</b>				

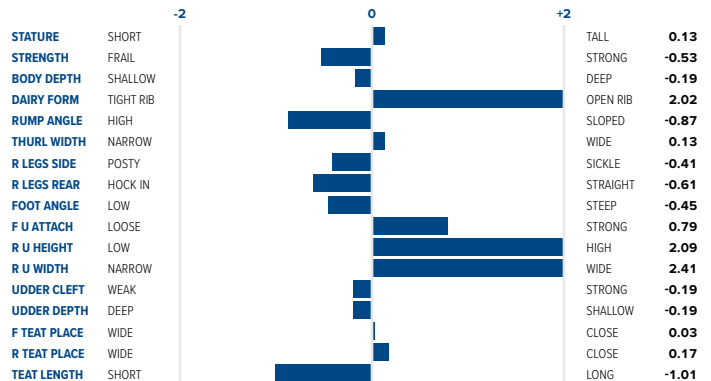
HEALTH TRAITS							
PL	<b>3.5</b>	COW LIVABILITY	<b>-0.2</b>	H. LIVABILITY	<b>0.5</b>	CALF SURVIVAL	<b>103</b>
MILK FEVER	<b>-0.1</b>	DAB	<b>0.4</b>	KETOSIS	<b>1.4</b>	METRITIS	<b>1.6</b>
MAS (U.S.)	<b>-1.1</b>	CL MASTITIS	<b>97</b>	S-CL MASTITIS	<b>100</b>	RET PLACENTA	<b>-0.2</b>
TEMP	<b>105</b>	PERS	<b>105</b>	RES	<b>95</b>		

CALVING TRAITS & FERTILITY							
DPR	<b>-2.3</b>	CCR	<b>0.5</b>	HCR	<b>3.4</b>	F. INDEX	<b>-0.5</b>
EFC	<b>7.3</b>	G. LENGTH	<b>-2.7</b>	C. INTERVAL	<b>100</b>	BW	<b>101</b>
SCE	<b>2.0</b>	SSB	<b>6.4</b>	DCE	<b>2.9</b>	DSB	<b>6.1</b>

MILK ROBOT					
ROBOT INDEX	<b>111</b>	ROBOT EFFICIENCY	<b>109</b>	ROBOT INTERVAL	<b>98</b>

INDEX											
NM\$	<b>1221</b>	GTPI	<b>3161</b>	NVI	<b>246</b>	CM\$	<b>1236</b>	FM\$	<b>1110</b>	GM\$	<b>1182</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 80% REL							
PTAT	<b>0.82</b>	UDC	<b>1.09</b>	FLC	<b>-0.37</b>	BWC	<b>-1.29</b>	LOC	<b>92</b>



# 097HO43022 PREPY



**SYNERGY-FUST PREPY-ET**  
 KAHN X PERFECT X LEGACY  
 HO840003244314567  
 DOB: **03/09/2023**  
 aAa: **246315**  
 DMS: -  
**99%** RHA  
 GF: **12.0%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AA**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **TD TL TR TP TC**  
**TV TY TE**

SYNERGY UNO POT O GOLD-ET  
 VG-88, 4<sup>th</sup> Dam

**CREATE NEW**

**S:** WILRA GAMEDAY KAHN-ET  
**D:** SYNERGY-FUST PRFCT PEARL-ET

**PGS:** RMD-DOTTERER SSI GAMEDAY-ET  
**PGD:** WILRA LIONEL 1910-ET

**MGS:** SIEMERS RENGD PARFECT-ET  
**MGD:** MS FUSTEAD LEGCY PAULETE-ET

CRV EFFICIENCY -%	
LONGEVITY <b>344</b>	FEED EFFICIENCY -

CRV HEALTH -%		
HOOF HEALTH -	UDDER HEALTH <b>105</b>	FERTILITY <b>102</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	<b>1496</b>	FAT	<b>100 +0.14%</b>	PROTEIN	<b>73 +0.09%</b>
SCS	<b>2.7</b>	CFP	<b>173</b>	LACTOSE	<b>52 0.00%</b>
FEED SAVED	<b>14</b>	MUN	-	METHANE	-
	RFI	<b>-48</b>			

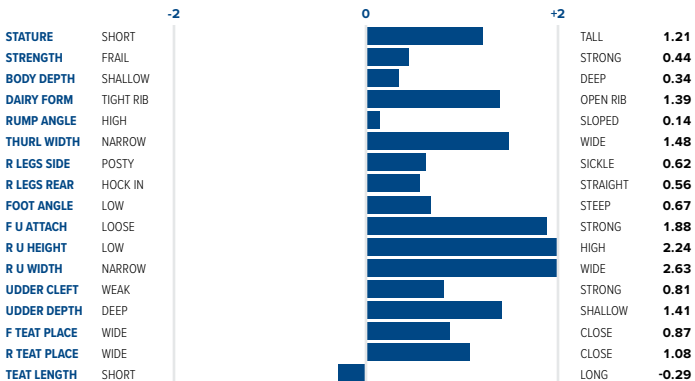
HEALTH TRAITS					
PL	<b>6.7</b>	COW LIVABILITY	<b>2.0</b>	H. LIVABILITY	<b>0.6</b>
MILK FEVER	<b>0.2</b>	DAB	<b>0.7</b>	KETOSIS	<b>2.6</b>
MAS (U.S.)	<b>3.3</b>	CL MASTITIS	<b>105</b>	S-CL MASTITIS	<b>104</b>
TEMP	<b>100</b>	PERS	-	RET PLACENTA	<b>0.9</b>
		RES	-		

CALVING TRAITS & FERTILITY					
DPR	<b>-0.1</b>	CCR	<b>2.4</b>	HCR	<b>3.9</b>
EFC	<b>3.2</b>	G. LENGTH	<b>-0.1</b>	C. INTERVAL	<b>101</b>
SCE	<b>3.0</b>	SSB	<b>7.5</b>	DCE	<b>3.2</b>
		DSB	<b>4.5</b>		

MILK ROBOT			
ROBOT INDEX	<b>104</b>	ROBOT EFFICIENCY	<b>104</b>
		ROBOT INTERVAL	<b>96</b>

INDEX							
NM\$	<b>1115</b>	GTPI	<b>3142</b>	NVI	-	CM\$	<b>1137</b>
		FM\$	<b>974</b>	GM\$	<b>1057</b>		

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 78% REL			
PTAT	<b>1.73</b>	UDC	<b>1.72</b>	FLC	<b>0.32</b>
		BWC	<b>0.22</b>	LOC	<b>98</b>



# 097HO43112 ANVIL



**PEAK ANVIL-ET**  
 MAVERICK X WHEELHOUSE  
 X LIONEL  
 HO840003263337322  
 DOB: **03/02/2023**  
 aAa: **243615**  
 DMS: -  
**99%** RHA  
 GF: **11.5%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -  
 RECESSIVES: **TL TD TV TC**  
**TY TP TR TE**

**CREATE NEW**

**S:** WET GAMEDAY MAVERICK-ET  
**D:** PEAK ASTRA-ET

**PGS:** RMD-DOTTERER SSI GAMEDAY-ET  
**PGD:** WET RENEGADE MARLA-ET

**MGS:** PEAK WHEELHOUSE-ET  
**MGD:** WINSTAR ASTRID-ET

CRV EFFICIENCY -%	
LONGEVITY <b>120</b>	FEED EFFICIENCY -

CRV HEALTH -%		
HOOF HEALTH <b>99</b>	UDDER HEALTH <b>98</b>	FERTILITY <b>101</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	<b>1616</b>	FAT	<b>138 +0.26%</b>	PROTEIN	<b>75 +0.08%</b>
SCS	<b>2.79</b>	CFP	<b>213</b>	LACTOSE	<b>40 0.00%</b>
FEED SAVED	<b>-63</b>	MUN	-	METHANE	-
	RFI	<b>12</b>			

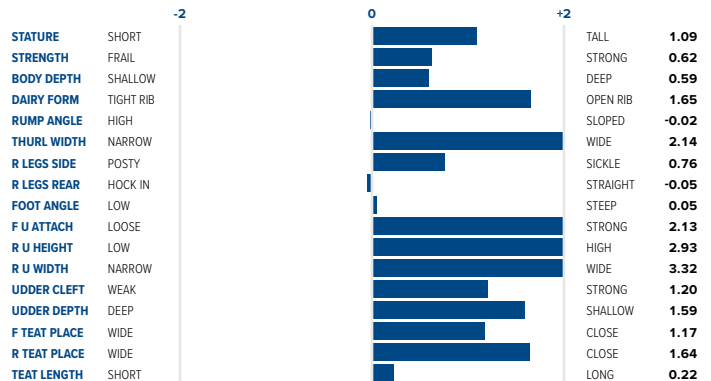
HEALTH TRAITS					
PL	<b>4.9</b>	COW LIVABILITY	<b>-0.8</b>	H. LIVABILITY	<b>0.9</b>
MILK FEVER	<b>0.0</b>	DAB	<b>0.5</b>	KETOSIS	<b>2.4</b>
MAS (U.S.)	<b>0.9</b>	CL MASTITIS	<b>98</b>	S-CL MASTITIS	<b>98</b>
TEMP	<b>102</b>	PERS	-	RET PLACENTA	<b>0.9</b>
		RES	-		

CALVING TRAITS & FERTILITY					
DPR	<b>-1.3</b>	CCR	<b>1.0</b>	HCR	<b>2.4</b>
EFC	<b>1.5</b>	G. LENGTH	<b>-0.8</b>	C. INTERVAL	<b>100</b>
SCE	<b>2.5</b>	SSB	<b>6.5</b>	DCE	<b>2.8</b>
		DSB	<b>4.7</b>		

MILK ROBOT			
ROBOT INDEX	<b>106</b>	ROBOT EFFICIENCY	<b>108</b>
		ROBOT INTERVAL	<b>96</b>

INDEX							
NM\$	<b>1152</b>	GTPI	<b>3196</b>	NVI	-	CM\$	<b>1171</b>
		FM\$	<b>1021</b>	GM\$	<b>1100</b>		

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 78% REL			
PTAT	<b>1.66</b>	UDC	<b>2.23</b>	FLC	<b>-0.19</b>
		BWC	<b>0.33</b>	LOC	<b>96</b>



# 097HO43180 OPUS



**LADYS-MANOR MAGNUM OPUS-ET**  
 MAGNUM X GRANITE X MILLINGTON  
 HO840003253915568  
 DOB: **11/13/2022**  
 aAa: **243156**  
 DMS: **561,135**  
**99%** RHA  
 GFI: **12.1%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **BB**  
 HAPLOTYPES: -  
 RECESSIVES: **TR TC TP TD TL MW**

**CREATE NEW**

S: OCD ALPHABET MAGNUM-ET  
 D: LADYS-MANOR GRNT OOHM-ET

PGS: OCD HELIX ALPHABET-ET  
 PGD: OCD JARED MENNA 52294-ET

MGS: PROGENESIS GRANITE-ET  
 MGD: LADYS-MANOR MILTN OOMPA-ET

# 097HO43028 OUTKAST



**LADYS-MANOR OUTKAST-ET**  
 FIGARO X GAMEDAY X EISAKU  
 HO840003253915578  
 DOB: **12/07/2022**  
 aAa: **234156**  
 DMS: **135,123**  
**99%** RHA  
 GFI: **11.2%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **TC TR TL TP TD TY TV TE**

**CREATE NEW**

S: OCD PERFECT FIGARO-ET  
 D: LADYS-MANOR GDAY OHTANI-ET

PGS: SIEMERS RENG D PERFECT-ET  
 PGD: OCD COFFEE FRANCES 47695-ET

MGS: RMD-DOTTERER SSI GAMEDAY-ET  
 MGD: LADYS-MANOR ESKCARG-OH-ET

CRV EFFICIENCY -%	
LONGEVITY -	FEED EFFICIENCY -

CRV HEALTH -%		
HOOF HEALTH -	UDDER HEALTH -	FERTILITY -

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 81% REL			
MILK	<b>1847</b>	FAT	<b>126 +0.18%</b>	PROTEIN	<b>72 +0.05%</b>
SCS	<b>2.92</b>	CFP	<b>198</b>	LACTOSE	-
FEED SAVED	<b>113</b>	RFI	<b>-35</b>	METHANE	-

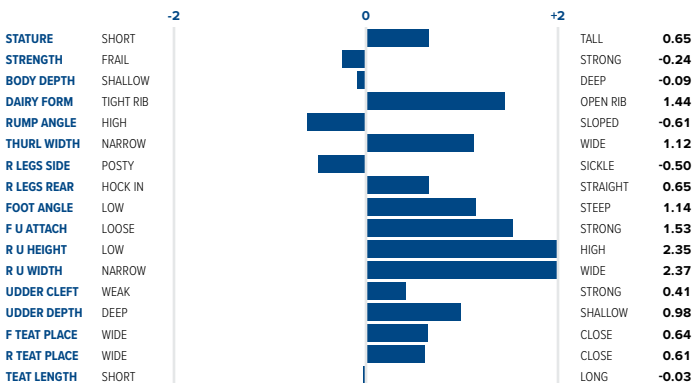
HEALTH TRAITS			
PL	<b>4.3</b>	COW LIVABILITY	<b>0.2</b>
MILK FEVER	<b>0.1</b>	DAB	<b>0.8</b>
MAS (U.S.)	<b>0.3</b>	CL MASTITIS	-
TEMP	-	PERS	-

CALVING TRAITS & FERTILITY			
DPR	<b>-0.2</b>	CCR	<b>0.4</b>
EFC	<b>4.1</b>	G. LENGTH	<b>-1.9</b>
SCE	<b>1.5</b>	SSB	<b>5.4</b>

MILK ROBOT		
ROBOT INDEX	-	ROBOT EFFICIENCY

INDEX					
NM\$	<b>1147</b>	GTPI	<b>3150</b>	NVI	-
CM\$	<b>1158</b>	FM\$	<b>1067</b>	GM\$	<b>1130</b>

CONFORMATION					
PTAT	<b>1.42</b>	UDC	<b>1.61</b>	FLC	<b>0.7</b>
BWC	<b>-0.52</b>	LOC	-		



CRV EFFICIENCY -%	
LONGEVITY <b>319</b>	FEED EFFICIENCY -

CRV HEALTH -%		
HOOF HEALTH -	UDDER HEALTH <b>104</b>	FERTILITY <b>104</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	<b>1072</b>	FAT	<b>121 +0.27%</b>	PROTEIN	<b>58 +0.08%</b>
SCS	<b>2.72</b>	CFP	<b>179</b>	LACTOSE	<b>26 -0.01%</b>
FEED SAVED	<b>176</b>	RFI	<b>-142</b>	METHANE	-

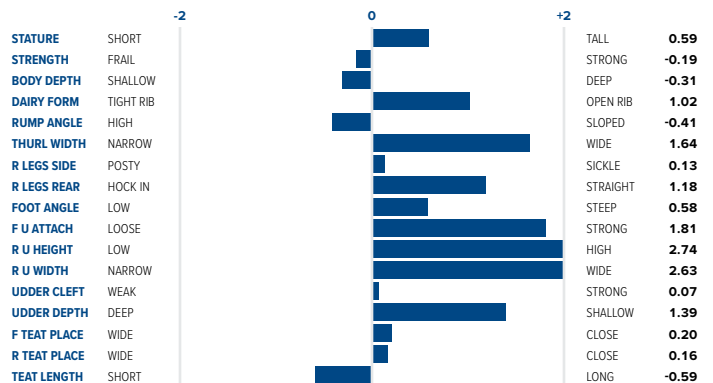
HEALTH TRAITS			
PL	<b>6.1</b>	COW LIVABILITY	<b>1.4</b>
MILK FEVER	<b>0.0</b>	DAB	<b>0.1</b>
MAS (U.S.)	<b>4.2</b>	CL MASTITIS	<b>104</b>
TEMP	<b>102</b>	PERS	-

CALVING TRAITS & FERTILITY			
DPR	<b>0.3</b>	CCR	<b>2.1</b>
EFC	<b>3.6</b>	G. LENGTH	<b>0.4</b>
SCE	<b>2.3</b>	SSB	<b>5.7</b>

MILK ROBOT		
ROBOT INDEX	-	ROBOT EFFICIENCY

INDEX					
NM\$	<b>1171</b>	GTPI	<b>3176</b>	NVI	-
CM\$	<b>1191</b>	FM\$	<b>1041</b>	GM\$	<b>1142</b>

CONFORMATION					
PTAT	<b>1.8</b>	UDC	<b>1.82</b>	FLC	<b>0.85</b>
BWC	<b>-0.23</b>	LOC	<b>100</b>		



# 097HO42848 COLA RC



**BOMAZ COLA RC-ET**  
 FUGLEMAN X RUBELS-RED X MEDLEY  
 HO840003245608831  
 DOB: **04/04/2022**  
 aAa: **234165**  
 DMS: **123,135**  
**99%** RHA  
 GFI: **10.9%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **BB**  
 HAPLOTYPES: -  
 RECESSIVES: **RC TC TD TL**  
**TY TP TV MW**

**CREATE**

**S:** PEAK FUGLEMAN-ET  
**D:** BOMAZ RUBELS 9524-RED-ET  
**PGS:** PEAK ALTAZAZZLE-ET  
**PGD:** PEAK MARACA-ET  
**MGS:** HOOGERHORST DG OH RUBELS-RED  
**MGD:** BOMAZ MEDLEY 8301

# 097HO42957 CARISMA RC\*



**BOMAZ CARISMA RC-ET**  
 FUGLEMAN X RUBELS-RED X SALVATORE RC  
 HO840003245608824  
 DOB: **04/02/2022**  
 aAa: **243165**  
 DMS: **123,135**  
**99%** RHA  
 GFI: **11.3%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **TC TD RC TL**  
**TY TP TV TE**

**CREATE**

**S:** PEAK FUGLEMAN-ET  
**D:** BOMAZ RUBELS 9792-ET  
**PGS:** PEAK ALTAZAZZLE-ET  
**PGD:** PEAK MARACA-ET  
**MGS:** HOOGERHORST DG OH RUBELS-RED  
**MGD:** BOMAZ SALVATORE RC 8066-ET

<b>CRV EFFICIENCY 16%</b>
LONGEVITY <b>504</b> FEED EFFICIENCY <b>109</b>

<b>CRV HEALTH 2%</b>
HOOF HEALTH <b>105</b> UDDER HEALTH <b>105</b> FERTILITY <b>100</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 80% REL			
MILK	<b>834</b>	FAT	<b>111 +0.27%</b>	PROTEIN	<b>56 +0.10%</b>
SCS	<b>2.73</b>	CFP	<b>167</b>	MUN	<b>0.00</b>
FEED SAVED	<b>56</b>	RFI	<b>-49</b>	METHANE	-

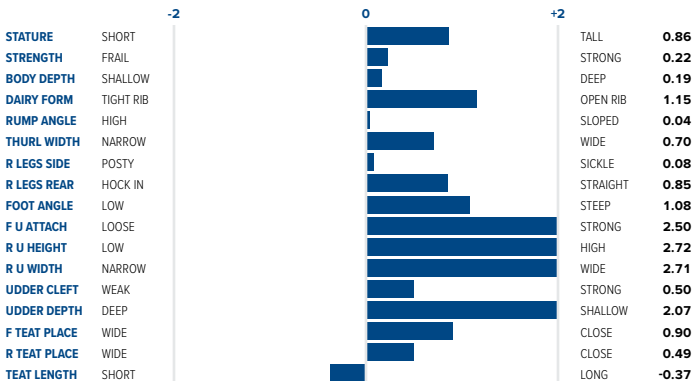
HEALTH TRAITS							
PL	<b>5.1</b>	COW LIVABILITY	<b>3.0</b>	H. LIVABILITY	<b>0.5</b>	CALF SURVIVAL	<b>97</b>
MILK FEVER	<b>0.1</b>	DAB	<b>0.4</b>	KETOSIS	<b>1.4</b>	METRITIS	<b>2.4</b>
MAS (U.S.)	<b>0.7</b>	CL MASTITIS	<b>104</b>	S-CL MASTITIS	<b>105</b>	RET PLACENTA	<b>0.6</b>
TEMP	<b>101</b>	PERS	<b>106</b>	RES	<b>100</b>		

CALVING TRAITS & FERTILITY							
DPR	<b>-1.0</b>	CCR	<b>-0.4</b>	HCR	<b>0.4</b>	F. INDEX	<b>-0.7</b>
EFC	<b>0.4</b>	G. LENGTH	<b>-1</b>	C. INTERVAL	<b>99</b>	BW	<b>100</b>
SCE	<b>1.9</b>	SSB	<b>6.3</b>	DCE	<b>2.2</b>	DSB	<b>5.0</b>

MILK ROBOT					
ROBOT INDEX	<b>107</b>	ROBOT EFFICIENCY	<b>106</b>	ROBOT INTERVAL	<b>94</b>

INDEX											
NM\$	<b>1030</b>	GTPI	<b>3057</b>	NVI	<b>248</b>	CM\$	<b>1053</b>	FM\$	<b>877</b>	GM\$	<b>964</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 79% REL							
PTAT	<b>1.91</b>	UDC	<b>2.16</b>	FLC	<b>1.03</b>	BWC	<b>-0.05</b>	LOC	<b>96</b>



<b>CRV EFFICIENCY 19%</b>
LONGEVITY <b>472</b> FEED EFFICIENCY <b>111</b>

<b>CRV HEALTH 3%</b>
HOOF HEALTH <b>101</b> UDDER HEALTH <b>107</b> FERTILITY <b>102</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	<b>1519</b>	FAT	<b>101 + 0.14%</b>	PROTEIN	<b>70 +0.08%</b>
SCS	<b>2.73</b>	CFP	<b>171</b>	MUN	<b>-0.10</b>
FEED SAVED	<b>92</b>	RFI	<b>30</b>	METHANE	-

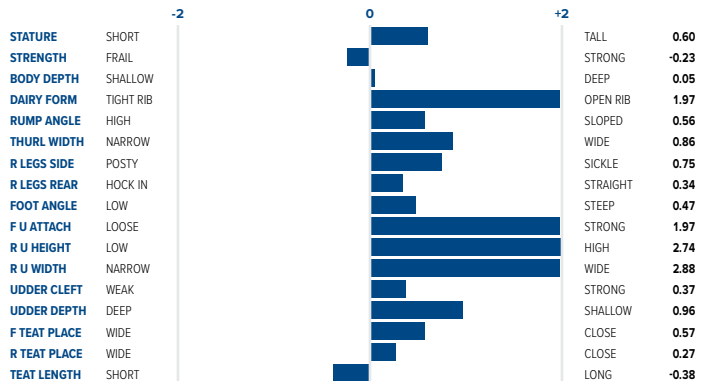
HEALTH TRAITS							
PL	<b>4.5</b>	COW LIVABILITY	<b>1.0</b>	H. LIVABILITY	<b>0.6</b>	CALF SURVIVAL	<b>100</b>
MILK FEVER	<b>0.1</b>	DAB	<b>0.0</b>	KETOSIS	<b>0.8</b>	METRITIS	<b>2.2</b>
MAS (U.S.)	<b>1.1</b>	CL MASTITIS	<b>105</b>	S-CL MASTITIS	<b>107</b>	RET PLACENTA	<b>-0.1</b>
TEMP	<b>101</b>	PERS	<b>109</b>	RES	<b>100</b>		

CALVING TRAITS & FERTILITY							
DPR	<b>-2.1</b>	CCR	<b>-1.2</b>	HCR	<b>0.0</b>	F. INDEX	<b>-1.5</b>
EFC	<b>0.6</b>	G. LENGTH	<b>-2.4</b>	C. INTERVAL	<b>100</b>	BW	<b>98</b>
SCE	<b>1.9</b>	SSB	<b>6.1</b>	DCE	<b>1.9</b>	DSB	<b>5.0</b>

MILK ROBOT					
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>104</b>	ROBOT INTERVAL	<b>97</b>

INDEX											
NM\$	<b>1004</b>	GTPI	<b>3009</b>	NVI	<b>303</b>	CM\$	<b>1023</b>	FM\$	<b>881</b>	GM\$	<b>926</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 79% REL							
PTAT	<b>1.88</b>	UDC	<b>1.87</b>	FLC	<b>0.72</b>	BWC	<b>-0.80</b>	LOC	<b>98</b>



# 097HO43056 TEASE



**NEW**

**TERRA-LINDA TEASE-ET**  
 KAHN X HIGHJUMP X ACURA  
 HO840003272026153  
 DOB: **02/03/2023**  
 aAa: **234156**  
 DMS: **561,135**  
**99%** RHA  
 GFI: **12.1%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **TD TR TL TC TP**  
**TV TY TE**

S: WILRA GAMEDAY KAHN-ET  
 D: TERRA-LINDA HGHJMP 11322-ET

PGS: RMD-DOTTERER SSI GAMEDAY-ET  
 PGD: WILRA LIONEL 1910-ET

MGS: AOT HIGHJUMP-ET  
 MGD: TERRA-LINDA ACURA 10691-ET

# 097HO42918 OVERJOY



**T-SPRUCE OVERJOY-ET**  
 OVERDO X LEGACY X MOOLA  
 HO840003247982128  
 DOB: **09/15/2022**  
 aAa: **234615**  
 DMS: **135,345**  
**99%** RHA  
 GFI: **11.2%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **TP TR TL TC TD**  
**TV TY MW**

S: LADYS-MANOR OVERDO-ET  
 D: T-SPRUCE LEGACY 16034-ET

PGS: AOT HIGHJUMP-ET  
 PGD: LADYS-MANOR GRNT OOHM-ET

MGS: PINE-TREE CW LEGACY-ET  
 MGD: T-SPRUCE MOOLA 12707-ET

CRV EFFICIENCY -%	
LONGEVITY -	FEED EFFICIENCY -

CRV HEALTH -%		
HOOF HEALTH -	UDDER HEALTH <b>102</b>	FERTILITY <b>103</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • <b>79%</b> REL					
MILK	<b>1980</b>	FAT	<b>135</b>	<b>+0.20%</b>	PROTEIN <b>77</b> <b>+0.05%</b>	LACTOSE -	-%
SCS	<b>2.87</b>	CFP	<b>212</b>	MUN	-	METHANE	-
FEED SAVED	<b>191</b>	RFI	<b>-69</b>				

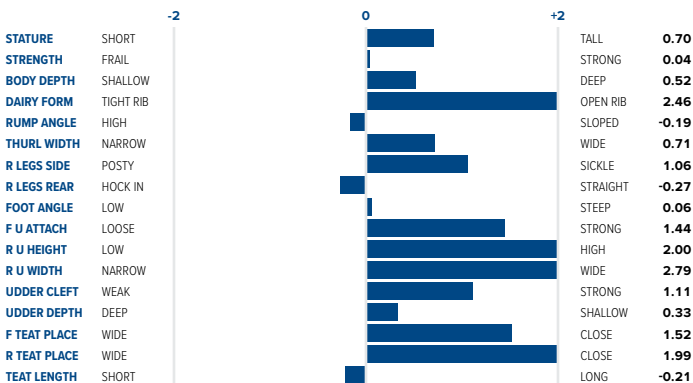
HEALTH TRAITS							
PL	<b>4.5</b>	COW LIVABILITY <b>-0.3</b>	H. LIVABILITY	<b>0.5</b>	CALF SURVIVAL	-	
MILK FEVER	<b>0.2</b>	DAB	<b>0.5</b>	KETOSIS	<b>1.1</b>	METRITIS	<b>0.8</b>
MAS (U.S.)	<b>1.0</b>	CL MASTITIS	<b>101</b>	S-CL MASTITIS	<b>102</b>	RET PLACENTA	<b>-0.4</b>
TEMP	<b>102</b>	PERS	-	RES	-		

CALVING TRAITS & FERTILITY							
DPR	<b>-2.6</b>	CCR	<b>-1.1</b>	HCR	<b>2.0</b>	F. INDEX	<b>-1.6</b>
EFC	<b>1.3</b>	G. LENGTH	<b>0.5</b>	C. INTERVAL	-	BW	-
SCE	<b>2.3</b>	SSB	<b>7.0</b>	DCE	<b>2.7</b>	DSB	<b>5.1</b>

MILK ROBOT					
ROBOT INDEX	<b>107</b>	ROBOT EFFICIENCY	<b>106</b>	ROBOT INTERVAL	<b>96</b>

INDEX											
NM\$	<b>1163</b>	GTPI	<b>3110</b>	NVI	<b>155</b>	CM\$	<b>1176</b>	FM\$	<b>1077</b>	GM\$	<b>1091</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • <b>78%</b> REL							
PTAT	<b>1.65</b>	UDC	<b>1.54</b>	FLC	<b>-0.02</b>	BWC	<b>-0.8</b>	LOC	-



CRV EFFICIENCY 20%	
LONGEVITY <b>597</b>	FEED EFFICIENCY <b>111</b>

CRV HEALTH 2%		
HOOF HEALTH <b>97</b>	UDDER HEALTH <b>104</b>	FERTILITY <b>103</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • <b>80%</b> REL					
MILK	<b>860</b>	FAT	<b>123</b>	<b>+0.31%</b>	PROTEIN <b>53</b> <b>+0.09%</b>	LACTOSE <b>45</b> <b>+0.03%</b>	
SCS	<b>2.69</b>	CFP	<b>176</b>	MUN	<b>1.10</b>	METHANE	-
FEED SAVED	<b>134</b>	RFI	<b>11</b>				

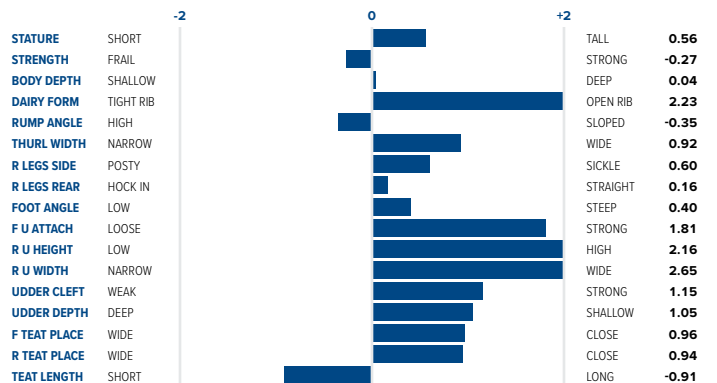
HEALTH TRAITS							
PL	<b>6.5</b>	COW LIVABILITY <b>2.7</b>	H. LIVABILITY	<b>1.0</b>	CALF SURVIVAL	<b>103</b>	
MILK FEVER	<b>0.0</b>	DAB	<b>0.6</b>	KETOSIS	<b>1.8</b>	METRITIS	<b>0.9</b>
MAS (U.S.)	<b>2.7</b>	CL MASTITIS	<b>103</b>	S-CL MASTITIS	<b>105</b>	RET PLACENTA	<b>0.4</b>
TEMP	<b>102</b>	PERS	<b>110</b>	RES	<b>101</b>		

CALVING TRAITS & FERTILITY							
DPR	<b>0.2</b>	CCR	<b>1.5</b>	HCR	<b>3.1</b>	F. INDEX	<b>0.6</b>
EFC	<b>0.2</b>	G. LENGTH	<b>-0.6</b>	C. INTERVAL	<b>99</b>	BW	<b>100</b>
SCE	<b>1.8</b>	SSB	<b>5.5</b>	DCE	<b>1.9</b>	DSB	<b>4.9</b>

MILK ROBOT					
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>109</b>	ROBOT INTERVAL	<b>94</b>

INDEX											
NM\$	<b>1156</b>	GTPI	<b>3129</b>	NVI	<b>242</b>	CM\$	<b>1177</b>	FM\$	<b>1019</b>	GM\$	<b>1112</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • <b>79%</b> REL							
PTAT	<b>1.76</b>	UDC	<b>1.76</b>	FLC	<b>0.42</b>	BWC	<b>-0.95</b>	LOC	<b>96</b>





# 097HO42954 OUTLAW



**LADY'S-MANOR OUTLAW-ET**  
 LAVEZZI X GAMEDAY X BRASS  
 HO840003253915567  
 DOB: **11/12/2022**  
 aAa: **234165**  
 DMS: **135,345**  
**99%** RHA  
 GFI: **12.3%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **TR TP TL TD TC TY TV TE**

**NEW**

**S:** PEAK LAVEZZI-ET  
**D:** LADY'S-MANOR GDAY B OHEMI-ET VG85

**PGS:** PEAK ALTAZAZZLE-ET  
**PGD:** PEAK MAUDIE-ET  
**MGS:** RMD-DOTTERER SSI GAMEDAY-ET  
**MGD:** LADY'S-MARON BRASS OONHA

<b>CRV EFFICIENCY 12%</b>	
LONGEVITY <b>357</b>	FEED EFFICIENCY -

<b>CRV HEALTH 2%</b>		
HOOF HEALTH <b>103</b>	UDDER HEALTH <b>104</b>	FERTILITY <b>102</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79%</b> REL			
MILK	<b>1477</b>	FAT	<b>115 +0.20%</b>	PROTEIN	<b>61+0.05%</b>	LACTOSE	<b>57 -0.01%</b>
SCS	<b>2.76</b>	CFP	<b>176</b>	MUN	-	METHANE	-
FEED SAVED	<b>31</b>	RFI	<b>-21</b>				

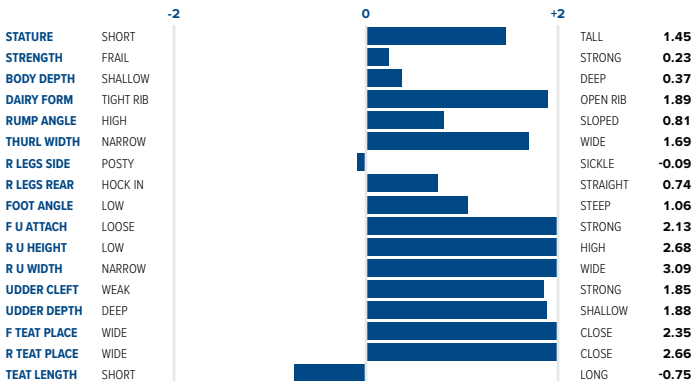
<b>HEALTH TRAITS</b>							
PL	<b>5.4</b>	COW LIVABILITY	<b>1.6</b>	H. LIVABILITY	<b>0.5</b>	CALF SURVIVAL	-
MILK FEVER	<b>0.0</b>	DAB	<b>0.6</b>	KETOSIS	<b>1.8</b>	METRITIS	<b>3.0</b>
MAS (U.S.)	<b>3.2</b>	CL MASTITIS	<b>104</b>	S-CL MASTITIS	<b>103</b>	RET PLACENTA	<b>0.7</b>
TEMP	<b>103</b>	PERS	-	RES	-		

<b>CALVING TRAITS &amp; FERTILITY</b>							
DPR	<b>-1.5</b>	CCR	<b>-0.6</b>	HCR	<b>-0.1</b>	F. INDEX	<b>-0.8</b>
EFC	<b>2.8</b>	G. LENGTH	<b>-1.5</b>	C. INTERVAL	<b>101</b>	BW	-
SCE	<b>2.1</b>	SSB	<b>6.6</b>	DCE	<b>2.2</b>	DSB	<b>5.2</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>110</b>	ROBOT EFFICIENCY	<b>110</b>	ROBOT INTERVAL	<b>95</b>

<b>INDEX</b>											
NM\$	<b>1058</b>	GTPI	<b>3100</b>	NVI	-	CM\$	<b>1072</b>	FM\$	<b>972</b>	GM\$	<b>976</b>

<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79%</b> REL					
PTAT	<b>2.11</b>	UDC	<b>2.17</b>	FLC	<b>0.73</b>	BWC	<b>-0.07</b>	LOC	<b>99</b>



# 097HO43025 MADDEN



**AR-JOY CU ZURI MADDEN-ET**  
 ZURI X PERFECT X EISAKU  
 HO840003205426010  
 DOB: **04/09/2023**  
 aAa: **342516**  
 DMS: -  
**99%** RHA  
 GFI: **11.7%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -  
 RECESSIVES: **TC TR TL TD TP TV TY TE**

**NEW**

**S:** TERRA-CALROY ZURI-ET  
**D:** AR-JOY-CU PARI MADISON-ET

**PGS:** PEAK ALTAZAZZLE-ET  
**PGD:** CAL-ROY-AL TAHITI 10346-ET  
**MGS:** SIEMERS RENG D PARFECT-ET  
**MGD:** COPPEREDGE EISAKU MELODY-ET

<b>CRV EFFICIENCY -%</b>	
LONGEVITY <b>87</b>	FEED EFFICIENCY -

<b>CRV HEALTH -%</b>		
HOOF HEALTH <b>100</b>	UDDER HEALTH <b>99</b>	FERTILITY <b>100</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79%</b> REL			
MILK	<b>1948</b>	FAT	<b>115 +0.13%</b>	PROTEIN	<b>81+0.07%</b>	LACTOSE	<b>67 +0.00%</b>
SCS	<b>2.98</b>	CFP	<b>196</b>	MUN	-	METHANE	-
FEED SAVED	<b>9</b>	RFI	<b>-47</b>				

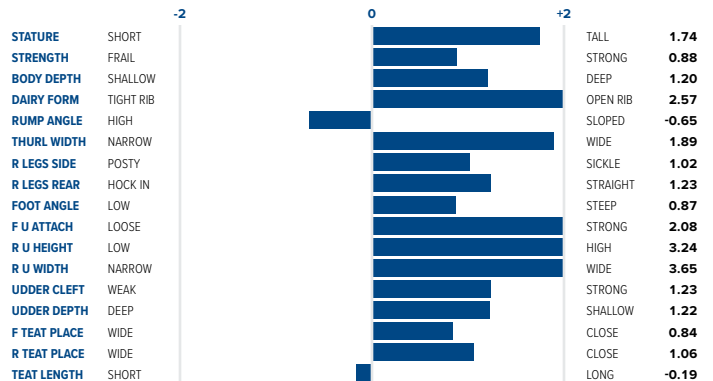
<b>HEALTH TRAITS</b>							
PL	<b>2.9</b>	COW LIVABILITY	<b>-2.4</b>	H. LIVABILITY	<b>0.</b>	CALF SURVIVAL	-
MILK FEVER	<b>-0.1</b>	DAB	<b>-0.3</b>	KETOSIS	<b>1.1</b>	METRITIS	<b>1.8</b>
MAS (U.S.)	<b>0.6</b>	CL MASTITIS	<b>99</b>	S-CL MASTITIS	<b>99</b>	RET PLACENTA	<b>-0.2</b>
TEMP	<b>104</b>	PERS	-	RES	-		

<b>CALVING TRAITS &amp; FERTILITY</b>							
DPR	<b>-2.3</b>	CCR	<b>-0.6</b>	HCR	<b>1.5</b>	F. INDEX	<b>-1.2</b>
EFC	<b>3.1</b>	G. LENGTH	<b>-2.6</b>	C. INTERVAL	<b>99</b>	BW	-
SCE	<b>1.9</b>	SSB	<b>5.2</b>	DCE	<b>2.0</b>	DSB	<b>4.0</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>109</b>	ROBOT EFFICIENCY	<b>110</b>	ROBOT INTERVAL	<b>95</b>

<b>INDEX</b>											
NM\$	<b>1002</b>	GTPI	<b>3100</b>	NVI	-	CM\$	<b>1015</b>	FM\$	<b>896</b>	GM\$	<b>955</b>

<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79%</b> REL					
PTAT	<b>2.60</b>	UDC	<b>2.13</b>	FLC	<b>0.82</b>	BWC	<b>0.24</b>	LOC	<b>100</b>



# 097HO42916 LUDWIG



**T-SPRUCE LUDWIG-ET**  
 BEETHOVEN X MOONSHINER  
 X LIONEL  
 HO840003247982089  
 DOB: **08/18/2022**  
 aAa: **243165**  
 DMS: **234,123**  
**99%** RHA  
 GFI: **10.9%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **TL TC TD TR TP**  
**TV TY TE**

**S:** T-SPRUCE S-S-I BEETHOVEN-ET  
**D:** T-SPRUCE MONSHINER 15704-ET

**PGS:** LEANINGHOUSE TAOS-ET  
**PGD:** MS T-SPRUCE LEGACY 13312-ET

**MGS:** FLY-HIGHER MOONSHINER-ET  
**MGD:** T-SPRUCE LIONEL 13196-ET

# 097HO42972 HOTJAVA



**PEAK HOTJAVA-ET**  
 ALTAKEVLOW X WHEELHOUSE  
 X ALTAZAZZLE  
 HO840003251555525  
 DOB: **08/18/2022**  
 aAa: **342516**  
 DMS: **135,345**  
**99%** RHA  
 GFI: **12.7%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BE**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES:  
 RECESSIVES: **TV TY TC TD**  
**TL TP TR MW**

**S:** PEAK ALTAKEVLOW-ET  
**D:** PEAK HYPNOSIS-ET

**PGS:** PEAK ALTAPLINKO-ET  
**PGD:** PEAK ELEANOR-ET

**MGS:** PEAK WHEELHOUSE-ET  
**MGD:** PEAK HYPNOTIC-ET

<b>CRV EFFICIENCY 16%</b>	
LONGEVITY <b>204</b>	FEED EFFICIENCY <b>109</b>

<b>CRV HEALTH 1%</b>		
HOOF HEALTH <b>96</b>	UDDER HEALTH <b>103</b>	FERTILITY <b>103</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 79% REL					
MILK	<b>1296</b>	FAT	<b>116 +0.23%</b>	PROTEIN	<b>66 +0.09%</b>	LACTOSE	<b>47 +0.01%</b>
SCS	<b>2.78</b>	CFP	<b>182</b>	MUN	<b>1.80</b>	METHANE	-
FEED SAVED	<b>147</b>	RFI	<b>19</b>				

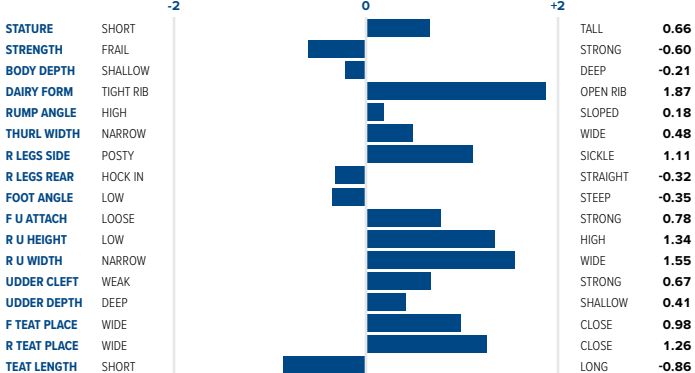
HEALTH TRAITS							
PL	<b>5.2</b>	COW LIVABILITY	<b>0.7</b>	H. LIVABILITY	<b>0.7</b>	CALF SURVIVAL	<b>102</b>
MILK FEVER	<b>-0.1</b>	DAB	<b>0.6</b>	KETOSIS	<b>1.9</b>	METRITIS	<b>1.0</b>
MAS (U.S.)	<b>1.7</b>	CL MASTITIS	<b>102</b>	S-CL MASTITIS	<b>104</b>	RET PLACENTA	<b>-0.2</b>
TEMP	<b>102</b>	PERS	<b>103</b>	RES	<b>98</b>		

CALVING TRAITS & FERTILITY							
DPR	<b>-0.3</b>	CCR	<b>1.3</b>	HCR	<b>0.2</b>	F. INDEX	<b>0.2</b>
EFC	<b>2.9</b>	G. LENGTH	<b>-1.2</b>	C. INTERVAL	<b>101</b>	BW	<b>104</b>
SCE	<b>2.7</b>	SSB	<b>6.1</b>	DCE	<b>2.1</b>	DSB	<b>4.3</b>

MILK ROBOT					
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>104</b>	ROBOT INTERVAL	<b>98</b>

INDEX											
NM\$	<b>1093</b>	GTPI	<b>3021</b>	NVI	<b>202</b>	CM\$	<b>1113</b>	FM\$	<b>960</b>	GM\$	<b>1058</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 79% REL							
PTAT	<b>1.01</b>	UDC	<b>0.89</b>	FLC	<b>-0.04</b>	BWC	<b>-1.09</b>	LOC	<b>97</b>



<b>CRV EFFICIENCY 12%</b>	
LONGEVITY <b>526</b>	FEED EFFICIENCY <b>105</b>

<b>CRV HEALTH 3%</b>		
HOOF HEALTH <b>98</b>	UDDER HEALTH <b>104</b>	FERTILITY <b>105</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 79% REL					
MILK	<b>679</b>	FAT	<b>152 +0.44%</b>	PROTEIN	<b>69 +0.17%</b>	LACTOSE	<b>-8 -0.06%</b>
SCS	<b>2.86</b>	CFP	<b>221</b>	MUN	<b>2.20</b>	METHANE	-
FEED SAVED	<b>28</b>	RFI	<b>-12</b>				

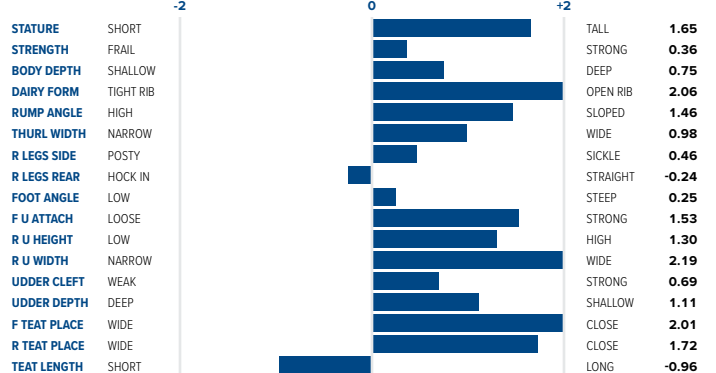
HEALTH TRAITS							
PL	<b>3.6</b>	COW LIVABILITY	<b>-0.7</b>	H. LIVABILITY	<b>0.1</b>	CALF SURVIVAL	<b>98</b>
MILK FEVER	<b>-0.1</b>	DAB	<b>0.2</b>	KETOSIS	<b>1.9</b>	METRITIS	<b>1.9</b>
MAS (U.S.)	<b>2.4</b>	CL MASTITIS	<b>104</b>	S-CL MASTITIS	<b>104</b>	RET PLACENTA	<b>0.0</b>
TEMP	<b>103</b>	PERS	<b>98</b>	RES	<b>102</b>		

CALVING TRAITS & FERTILITY							
DPR	<b>-1.1</b>	CCR	<b>0.9</b>	HCR	<b>1.6</b>	F. INDEX	<b>0.0</b>
EFC	<b>4.9</b>	G. LENGTH	<b>-3.0</b>	C. INTERVAL	<b>103</b>	BW	<b>101</b>
SCE	<b>1.7</b>	SSB	<b>5.8</b>	DCE	<b>1.8</b>	DSB	<b>4.7</b>

MILK ROBOT					
ROBOT INDEX	<b>106</b>	ROBOT EFFICIENCY	<b>102</b>	ROBOT INTERVAL	<b>97</b>

INDEX											
NM\$	<b>1149</b>	GTPI	<b>3159</b>	NVI	<b>224</b>	CM\$	<b>1179</b>	FM\$	<b>917</b>	GM\$	<b>1125</b>

CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 78% REL							
PTAT	<b>1.35</b>	UDC	<b>1.13</b>	FLC	<b>-0.12</b>	BWC	<b>-0.1</b>	LOC	<b>94</b>



# 097HO43020 NEW HAVANA-P



**PEAK NEW HAVANA-P-ET**  
 REMOVER PP X MAXIMUS X REASON  
 HO840003251555676  
 DOB: **11/10/2022**  
 aAa: **324156**  
 DMS: **234,246**  
**99%** RHA  
 GFI: **12.5%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -  
 RECESSIVES: **PO TC PC TY TV TL TD TR TE**

**NEW**

S: STANTONS REMOVER PP-ET  
 D: COOKIECUTTER HOLENE-ET

PGS: CHERRY-LILY ZIP LUSTER-P-ET  
 PGD: STANTONS BIGHIT MAKER-ET

MGS: RMD-DOTTERER SSI MAXIMUS-ET  
 MGD: COOKIECUTTER HOPELYNN-ET

<b>CRV EFFICIENCY 10%</b>	
LONGEVITY <b>340</b>	FEED EFFICIENCY <b>104</b>

<b>CRV HEALTH 1%</b>		
HOOF HEALTH <b>101</b>	UDDER HEALTH <b>97</b>	FERTILITY <b>103</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79%</b> REL			
MILK	<b>1584</b>	FAT <b>91</b>	<b>+0.10%</b>	PROTEIN <b>70</b>	<b>+0.07%</b>	LACTOSE <b>63</b>	<b>+0.01%</b>
SCS	<b>3.01</b>	CFP	<b>161</b>	MUN	<b>0.20</b>	METHANE	-
FEED SAVED	<b>11</b>	RFI	<b>7</b>				

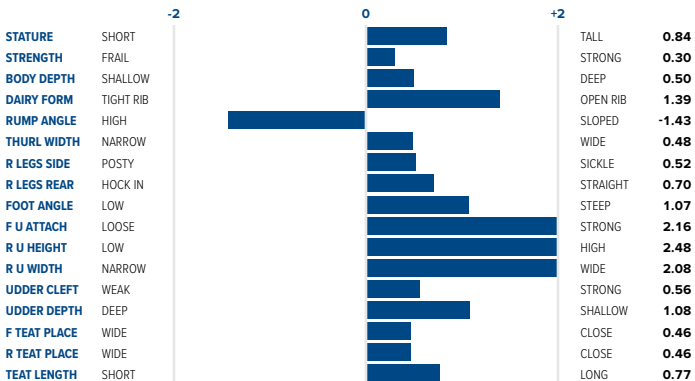
<b>HEALTH TRAITS</b>					
PL	<b>3.3</b>	COW LIVABILITY <b>0.4</b>	H. LIVABILITY <b>0.6</b>	CALF SURVIVAL <b>101</b>	
MILK FEVER	<b>0.2</b>	DAB	<b>0.4</b>	KETOSIS <b>1.9</b>	METRITIS <b>2.4</b>
MAS (U.S.)	<b>-1.8</b>	CL MASTITIS <b>96</b>	S-CL MASTITIS <b>99</b>	RET PLACENTA <b>0.6</b>	
TEMP	<b>101</b>	PERS	<b>111</b>	RES	<b>95</b>

<b>CALVING TRAITS &amp; FERTILITY</b>							
DPR	<b>-0.5</b>	CCR	<b>1.5</b>	HCR	<b>1.6</b>	F. INDEX	<b>0.0</b>
EFC	<b>0.6</b>	G. LENGTH	<b>0.1</b>	C. INTERVAL	<b>100</b>	BW	<b>102</b>
SCE	<b>1.9</b>	SSB	<b>5.4</b>	DCE	<b>2.5</b>	DSB	<b>4.8</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>104</b>	ROBOT EFFICIENCY	<b>106</b>	ROBOT INTERVAL	<b>99</b>

<b>INDEX</b>											
NM\$	<b>893</b>	GTPI	<b>2932</b>	NVI	<b>167</b>	CM\$	<b>905</b>	FM\$	<b>788</b>	GM\$	<b>877</b>

<b>CONFORMATION</b>						CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>78%</b> REL					
PTAT	<b>1.66</b>	UDC	<b>1.63</b>	FLC	<b>0.58</b>	BWC	<b>-0.12</b>	LOC	<b>97</b>		



# 097HO43023 CALVIN-P



**FOBE-ACRES CALVIN-P-TW**  
 PERFECT X ALMIGHTY P X SUPERSHOT  
 HO840003245816149  
 DOB: **12/18/2022**  
 aAa: **231645**  
 DMS: **561,126**  
**99%** RHA  
 GFI: **11.7%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -  
 RECESSIVES: **PO TY TV TR TD TC PC TL TE**

**NEW**

S: SIEMERS RENGDF PERFECT-ET  
 D: PEAK COUTURE-ET

PGS: S-S-I PR RENEGADE-ET  
 PGD: SIEMERS LMDA PARIS 27856-ET

MGS: PEAK ALTAMIGHTY P-ET  
 MGD: COOKIECUTTER SSHOT HONOR-ET

<b>CRV EFFICIENCY -%</b>	
LONGEVITY <b>56</b>	FEED EFFICIENCY -

<b>CRV HEALTH -%</b>		
HOOF HEALTH <b>101</b>	UDDER HEALTH <b>99</b>	FERTILITY <b>102</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>83%</b> REL			
MILK	<b>1211</b>	FAT <b>90</b>	<b>+0.15%</b>	PROTEIN <b>65</b>	<b>+0.09%</b>	LACTOSE <b>31</b>	<b>+0.00%</b>
SCS	<b>2.95</b>	CFP	<b>155</b>	MUN	-	METHANE	-
FEED SAVED	<b>1</b>	RFI	<b>-100</b>				

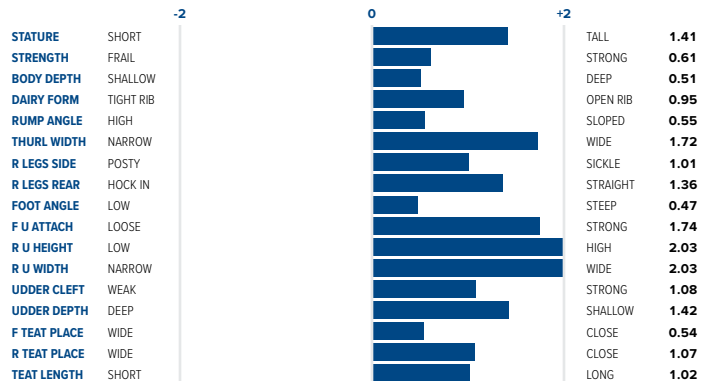
<b>HEALTH TRAITS</b>					
PL	<b>4.2</b>	COW LIVABILITY <b>-1.9</b>	H. LIVABILITY <b>0.7</b>	CALF SURVIVAL -	
MILK FEVER	<b>-0.2</b>	DAB	<b>0.2</b>	KETOSIS <b>2.1</b>	METRITIS <b>2.1</b>
MAS (U.S.)	<b>2.3</b>	CL MASTITIS <b>99</b>	S-CL MASTITIS <b>99</b>	RET PLACENTA <b>-1.2</b>	
TEMP	-	PERS	-	RES	-

<b>CALVING TRAITS &amp; FERTILITY</b>							
DPR	<b>0.9</b>	CCR	<b>2.7</b>	HCR	<b>2.6</b>	F. INDEX	<b>1.6</b>
EFC	<b>4.4</b>	G. LENGTH	<b>-0.5</b>	C. INTERVAL	<b>100</b>	BW	-
SCE	<b>2.1</b>	SSB	<b>6.1</b>	DCE	<b>1.5</b>	DSB	<b>4.1</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>99</b>	ROBOT EFFICIENCY	<b>102</b>	ROBOT INTERVAL	<b>96</b>

<b>INDEX</b>											
NM\$	<b>906</b>	GTPI	<b>2981</b>	NVI	-	CM\$	<b>923</b>	FM\$	<b>771</b>	GM\$	<b>912</b>

<b>CONFORMATION</b>						CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>81%</b> REL					
PTAT	<b>1.63</b>	UDC	<b>1.43</b>	FLC	<b>0.86</b>	BWC	<b>0.65</b>	LOC	<b>98</b>		



# 097HO42917 EMACS

NEW



EMACS

**PINE-TREE EMACS-ET**

ZAZZLE X PURSUIT X  
ACHIEVER

HO840003250267114

DOB: 08/26/2022

aAa: 423561

DMS: 561,456

99% RHA

BETA CASEIN: A2A2

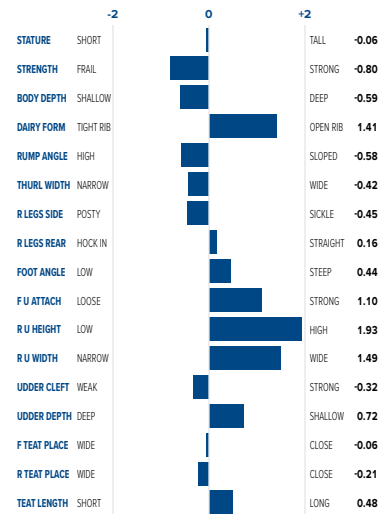
KAPPA CASEIN: AB

LACTOGLOBULIN: AB

HAPLOTYPES: -

CRV EFFICIENCY 18%					
LONGEVITY 489		FEED EFFICIENCY 111			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 80% REL			
MILK	1020	SCS	2.7	CFP	159
FAT +101	+0.21%	PROTEIN +58	+0.09%	LACTOSE +37	-0.03%
MUN	-0.20	METHANE	-	FEED SAVED	331
RFI	-124				
<b>HEALTH TRAITS</b>					
PL	6.8	COW LIVABILITY	1.9	H. LIVABILITY	0.7
MILK FEVER	0	DAB	1.0	KETOSIS	1.6
MAS (U.S.)	3.1	CL MASTITIS	104	S-CL MASTITIS	106
METRITIS	2.3	RET PLACENTA	0.4	CALF SURVIVAL	101
TEMP	104	PERS	104	RES	98

CRV HEALTH 4%									
HOOF HEALTH 101		UDDER HEALTH 105		FERTILITY 106					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	1.0	CCR	2.4	HCR	2.8	F. INDEX	1.5		
EFC	2.7	G. LENGTH	-0.8	C. INTERVAL	104	BW	100		
SCE	1.7	SSB	5.7	DCE	1.4	DSB	4.5		
<b>MILK ROBOT</b>									
ROBOT INDEX	106	ROBOT EFFICIENCY	105	ROBOT INTERVAL	91				
<b>INDEX</b>									
NM\$	1163	GTPI	3074	NVI	264				
CM\$	1184	FM\$	1025	GM\$	1145				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 79% REL				
PTAT	1.22	UDC	1.15	FLC	0.61	BWC	-1.37	LOC	100



# 097HO42799 DEFIANT



DEFIANT

**KINGS-RANSOM G  
DEFIANT-ET**

GAMEDAY X LEGACY X  
FREEBORN

HO840003224437572

DOB: 05/29/2021

aAa: 234165

DMS: 234,123

99% RHA

BETA CASEIN: A2A2

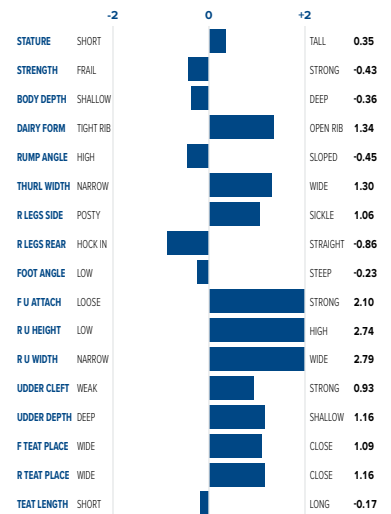
KAPPA CASEIN: AB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 18%					
LONGEVITY 552		FEED EFFICIENCY 110			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 81% REL			
MILK	1253	SCS	2.64	CFP	175
FAT +113	+0.22%	PROTEIN +62	+0.08%	LACTOSE +66	+0.04%
MUN	-1.40	METHANE	-	FEED SAVED	283
RFI	-182				
<b>HEALTH TRAITS</b>					
PL	6.4	COW LIVABILITY	1.1	H. LIVABILITY	0.6
MILK FEVER	0.0	DAB	0.6	KETOSIS	2.2
MAS (U.S.)	2.2	CL MASTITIS	102	S-CL MASTITIS	106
METRITIS	1.1	RET PLACENTA	0.5	CALF SURVIVAL	101
TEMP	102	PERS	105	RES	100

CRV HEALTH 1%									
HOOF HEALTH 103		UDDER HEALTH 104		FERTILITY 102					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-1.7	CCR	-0.3	HCR	1.8	F. INDEX	-0.9		
EFC	1.3	G. LENGTH	-0.7	C. INTERVAL	100	BW	103		
SCE	2.7	SSB	6.6	DCE	3.7	DSB	5.7		
<b>MILK ROBOT</b>									
ROBOT INDEX	109	ROBOT EFFICIENCY	111	ROBOT INTERVAL	96				
<b>INDEX</b>									
NM\$	1144	GTPI	3047	NVI	272				
CM\$	1165	FM\$	1018	GM\$	1060				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 80% REL				
PTAT	1.46	UDC	2.1	FLC	-0.45	BWC	-0.67	LOC	100



# 097HO42913 HYLANDER

CREATE



HYLANDER

**PEAK HYLANDER-ET**

HOLYSMOKES X BIG AL  
X REASON

HO840003247843793

DOB: 06/19/2022

aAa: 423615

DMS: 561,135

99% RHA

BETA CASEIN: A2A2

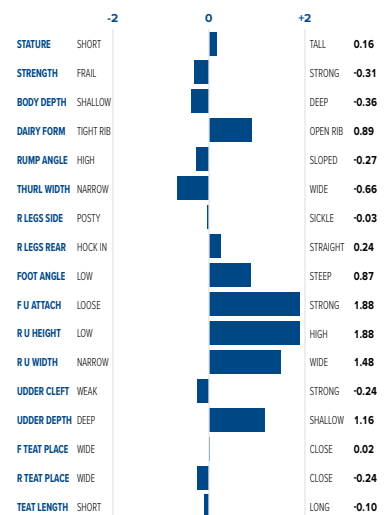
KAPPA CASEIN: BB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 23%					
LONGEVITY 579		FEED EFFICIENCY 113			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	1197	SCS	2.65	CFP	172
FAT +108	+0.21%	PROTEIN +64	+0.09%	LACTOSE +82	+0.03%
MUN	1.20	METHANE	-	FEED SAVED	179
RFI	-66				
<b>HEALTH TRAITS</b>					
PL	5.4	COW LIVABILITY	0.8	H. LIVABILITY	1.1
MILK FEVER	0.0	DAB	0.8	KETOSIS	1.7
MAS (U.S.)	3.7	CL MASTITIS	106	S-CL MASTITIS	107
METRITIS	1.0	RET PLACENTA	-0.2	CALF SURVIVAL	103
TEMP	101	PERS	110	RES	102

CRV HEALTH 5%									
HOOF HEALTH 102		UDDER HEALTH 107		FERTILITY 104					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-0.6	CCR	0.9	HCR	1.7	F. INDEX	0.2		
EFC	3.3	G. LENGTH	-0.5	C. INTERVAL	100	BW	99		
SCE	1.9	SSB	5.1	DCE	2.3	DSB	4.0		
<b>MILK ROBOT</b>									
ROBOT INDEX	107	ROBOT EFFICIENCY	104	ROBOT INTERVAL	96				
<b>INDEX</b>									
NM\$	1104	GTPI	3058	NVI	364				
CM\$	1126	FM\$	961	GM\$	1059				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 78% REL				
PTAT	1.08	UDC	1.37	FLC	0.63	BWC	-0.75	LOC	98





# 097HO43024 PRAXIS

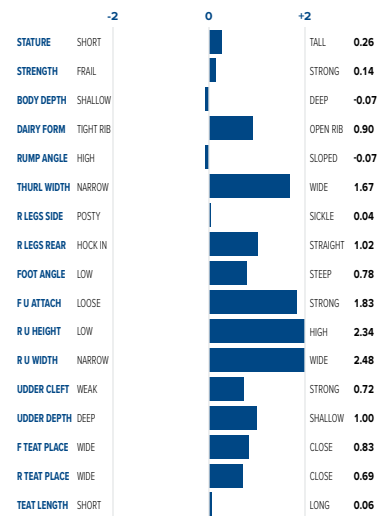
NEW



**SYNERGY-FUST PRAXIS-ET**  
 MAX X PARFECT X PEARL  
 HO840003267484357  
 DOB: 04/13/2023  
 aAa: 531426  
 DMS: -  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: AB  
 LACTOGLOBULIN: AA  
 HAPLOTYPES: -

CRV EFFICIENCY -%					
LONGEVITY 313		FEED EFFICIENCY -			
<b>PRODUCTION</b> DAUGHTERS 0 • HERDS 0 • 79% REL					
MILK	873	SCS	2.66	CFP	174
FAT +119	+0.30%	PROTEIN +55	+0.10%	LACTOSE+29	+0.00%
MUN	-	METHANE	-	FEED SAVED	48
RFI	-52				
<b>HEALTH TRAITS</b>					
PL	6.1	COW LIVABILITY	1.5	H. LIVABILITY	0.5
MILK FEVER	-0.1	DAB	0.7	KETOSIS	2.7
MAS (U.S.)	3.6	CL MASTITIS	104	S-CL MASTITIS	103
METRITIS	1.9	RET PLACENTA	-0.3	CALF SURVIVAL	-
TEMP	100	PERS	-	RES	-

CRV HEALTH -%									
HOOF HEALTH -		UDDER HEALTH 104		FERTILITY 102					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-0.3	CCR	1.7	HCR	2.1	F. INDEX	0.6		
EFC	3.8	G. LENGTH	0.0	C. INTERVAL	101	BW	-		
SCE	2.4	SSB	6.3	DCE	2.5	DSB	4.6		
<b>MILK ROBOT</b>									
ROBOT INDEX	103	ROBOT EFFICIENCY	104	ROBOT INTERVAL	96				
<b>INDEX</b>									
NM\$	1102	GTPI	3124	NVI	-				
CM\$	1125	FM\$	956	GM\$	1048				
<b>CONFORMATION</b> DAUGHTERS 0 • HERDS 0 • 78% REL									
PTAT	1.58	UDC	1.82	FLC	0.86	BWC	0.02	LOC	99



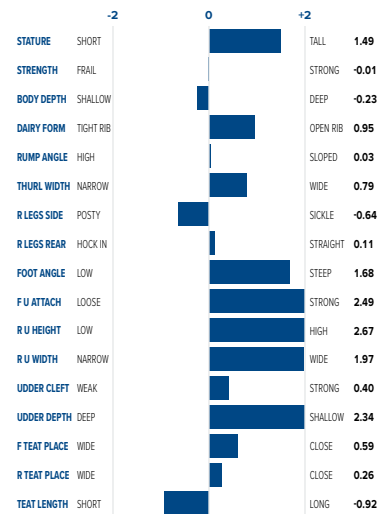
# 097HO42717 TUNE



**LADYS-MANOR TUNE-ET**  
 OUTCOME X ALPHABET X TORONTO  
 HO840003238997219  
 DOB: 07/13/2021  
 aAa: 234165  
 DMS: 123,234  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: BB  
 LACTOGLOBULIN: AB  
 HAPLOTYPES: -

CRV EFFICIENCY 12%					
LONGEVITY 253		FEED EFFICIENCY 107			
<b>PRODUCTION</b> DAUGHTERS 0 • HERDS 0 • 82% REL					
MILK	1203	SCS	2.89	CFP	169
FAT +100	+0.18%	PROTEIN +69	+0.11%	LACTOSE+29	+0.00%
MUN	1.40	METHANE	-	FEED SAVED	2
RFI	-4				
<b>HEALTH TRAITS</b>					
PL	4.7	COW LIVABILITY	-0.3	H. LIVABILITY	0.4
MILK FEVER	0.1	DAB	0.6	KETOSIS	2.4
MAS (U.S.)	0.7	CL MASTITIS	100	S-CL MASTITIS	101
METRITIS	2.0	RET PLACENTA	0.8	CALF SURVIVAL	103
TEMP	103	PERS	105	RES	99

CRV HEALTH 4%									
HOOF HEALTH 99		UDDER HEALTH 100		FERTILITY 105					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	1.3	CCR	1.7	HCR	0.9	F. INDEX	1.6		
EFC	4.0	G. LENGTH	-0.6	C. INTERVAL	103	BW	99		
SCE	1.7	SSB	6.1	DCE	1.6	DSB	4.5		
<b>MILK ROBOT</b>									
ROBOT INDEX	105	ROBOT EFFICIENCY	103	ROBOT INTERVAL	99				
<b>INDEX</b>									
NM\$	1010	GTPI	3062	NVI	175				
CM\$	1030	FM\$	852	GM\$	1014				
<b>CONFORMATION</b> DAUGHTERS 0 • HERDS 0 • 80% REL									
PTAT	1.52	UDC	1.83	FLC	0.13	BWC	0	LOC	91



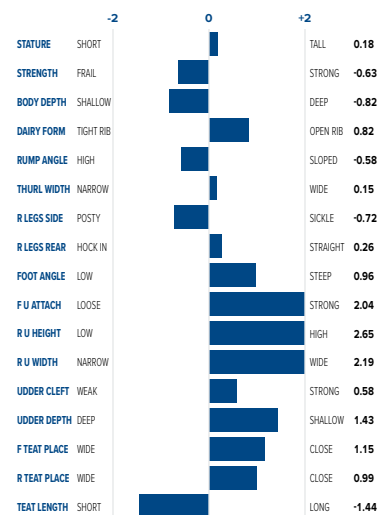
# 097HO42718 TONE



**LADYS-MANOR TONE-ET**  
 OUTCOME X ALPHABET X TORONTO  
 HO840003238997220  
 DOB: 07/13/2021  
 aAa: 351426  
 DMS: 234,345  
 99% RHA  
 BETA CASEIN: A2A2  
 KAPPA CASEIN: AB  
 LACTOGLOBULIN: BB  
 HAPLOTYPES: -

CRV EFFICIENCY 15%					
LONGEVITY 368		FEED EFFICIENCY 109			
<b>PRODUCTION</b> DAUGHTERS 0 • HERDS 0 • 82% REL					
MILK	1345	SCS	2.81	CFP	156
FAT +93	+0.14%	PROTEIN +63	+0.07%	LACTOSE +33	-0.01%
MUN	3.00	METHANE	-	FEED SAVED	222
RFI	-95				
<b>HEALTH TRAITS</b>					
PL	5.3	COW LIVABILITY	2.7	H. LIVABILITY	0.4
MILK FEVER	0.1	DAB	0.7	KETOSIS	2.0
MAS (U.S.)	1.2	CL MASTITIS	102	S-CL MASTITIS	103
METRITIS	1.4	RET PLACENTA	0.8	CALF SURVIVAL	101
TEMP	99	PERS	106	RES	100

CRV HEALTH 2%									
HOOF HEALTH 97		UDDER HEALTH 103		FERTILITY 104					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	0.7	CCR	0.9	HCR	1.0	F. INDEX	1.2		
EFC	4.7	G. LENGTH	-2.2	C. INTERVAL	102	BW	99		
SCE	2.1	SSB	6.4	DCE	2.3	DSB	4.9		
<b>MILK ROBOT</b>									
ROBOT INDEX	104	ROBOT EFFICIENCY	103	ROBOT INTERVAL	96				
<b>INDEX</b>									
NM\$	1061	GTPI	3040	NVI	170				
CM\$	1077	FM\$	949	GM\$	1044				
<b>CONFORMATION</b> DAUGHTERS 0 • HERDS 0 • 80% REL									
PTAT	1.26	UDC	1.93	FLC	0.42	BWC	-0.84	LOC	91



# 097HO42975 EARLYSIGN

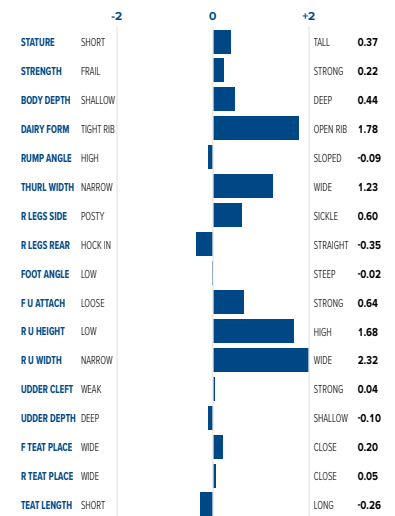


EARLYSIGN

**MATCREST EARLYSIGN-ET**  
 FROST BITE X ENDEAVOR X MEDLEY  
 HO840003249826299  
 DOB: 07/15/2022  
 aAa: 432516  
 DMS: 126,561  
 99% RHA  
 BETA CASEIN: A2A2  
 KAPPA CASEIN: AB  
 LACTOGLOBULIN: -  
 HAPLOTYPES: -

CRV EFFICIENCY 13%			
LONGEVITY 294		FEED EFFICIENCY -	
<b>PRODUCTION</b> DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	1986	SCS	2.78
FAT	+121 +0.15%	PROTEIN	+77 +0.05%
MUN	-	METHANE	-
RFI	-75	FEED SAVED	128
<b>HEALTH TRAITS</b>			
PL	5.1	COW LIVABILITY	1.9
MILK FEVER	-0.1	DAB	0.7
MAS (U.S.)	1.9	CL MASTITIS	100
METRITIS	2.2	RET PLACENTA	0.5
TEMP	-	PERS	-

CRV HEALTH 1%					
HOOF HEALTH 100		UDDER HEALTH 100		FERTILITY 101	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-2.4	CCR	-0.6	HCR	2.6
EFC	4.0	G. LENGTH	-0.2	C. INTERVAL	98
SCE	1.8	SSB	5.8	DCE	1.9
<b>MILK ROBOT</b>					
ROBOT INDEX	106	ROBOT EFFICIENCY	106	ROBOT INTERVAL	97
<b>INDEX</b>					
NM\$	1153	GTPI	3070	NVI	-
CM\$	1167	FM\$	1064	GM\$	1064
<b>CONFORMATION</b> DAUGHTERS 0 • HERDS 0 • 77% REL					
PTAT	1.14	UDC	0.97	FLC	0.02
BWC	-0.35	LOC	95		



# 097HO42912 JARGON

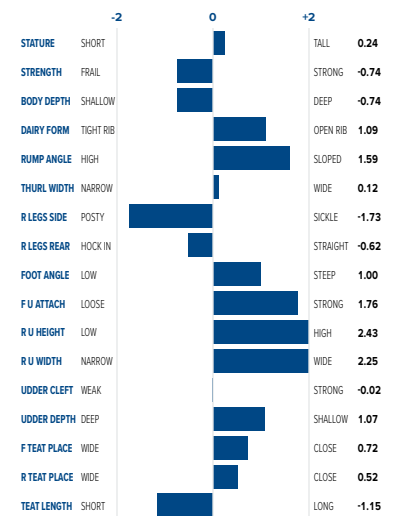


JARGON

**PEAK JARGON-ET**  
 ALTAGADZOOK X TORRO X MARIUS  
 HO840003251555378  
 DOB: 05/30/2022  
 aAa: 426351  
 DMS: 345,135  
 99% RHA  
 BETA CASEIN: A2A2  
 KAPPA CASEIN: BB  
 LACTOGLOBULIN: AA  
 HAPLOTYPES: -

CRV EFFICIENCY 12%			
LONGEVITY 313		FEED EFFICIENCY 105	
<b>PRODUCTION</b> DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	1464	SCS	2.7
FAT	+118 +0.21%	PROTEIN	+69 +0.08%
MUN	2.60	METHANE	-
RFI	-16	FEED SAVED	172
<b>HEALTH TRAITS</b>			
PL	4.8	COW LIVABILITY	0.5
MILK FEVER	-0.2	DAB	0.4
MAS (U.S.)	2.7	CL MASTITIS	101
METRITIS	1.7	RET PLACENTA	0.5
TEMP	101	PERS	99

CRV HEALTH 2%					
HOOF HEALTH 98		UDDER HEALTH 101		FERTILITY 102	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-0.8	CCR	0.8	HCR	1.5
EFC	4.2	G. LENGTH	-3.1	C. INTERVAL	99
SCE	2.0	SSB	5.5	DCE	1.5
<b>MILK ROBOT</b>					
ROBOT INDEX	109	ROBOT EFFICIENCY	109	ROBOT INTERVAL	94
<b>INDEX</b>					
NM\$	1144	GTPI	3110	NVI	170
CM\$	1165	FM\$	1018	GM\$	1111
<b>CONFORMATION</b> DAUGHTERS 0 • HERDS 0 • 78% REL					
PTAT	1.24	UDC	1.65	FLC	-0.12
BWC	-1.03	LOC	93		



# 097HO42950 MONTY

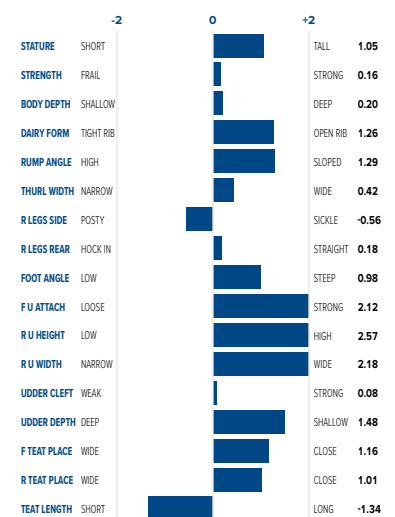


MONTY

**LA-CA-DE-LE MONTY-ET**  
 MONTEVERDI X ALPHABET X ACHIEVER  
 HO840003252413778  
 DOB: 04/19/2022  
 aAa: 423615  
 DMS: 234,123  
 99% RHA  
 BETA CASEIN: A2A2  
 KAPPA CASEIN: AA  
 LACTOGLOBULIN: AA  
 HAPLOTYPES: -

CRV EFFICIENCY 13%			
LONGEVITY 502		FEED EFFICIENCY 105	
<b>PRODUCTION</b> DAUGHTERS 0 • HERDS 0 • 81% REL			
MILK	1675	SCS	2.76
FAT	+118 +0.18%	PROTEIN	+63 +0.04%
MUN	1.00	METHANE	-
RFI	41	FEED SAVED	-18
<b>HEALTH TRAITS</b>			
PL	5.1	COW LIVABILITY	0.7
MILK FEVER	0.0	DAB	0.7
MAS (U.S.)	2.7	CL MASTITIS	104
METRITIS	2.4	RET PLACENTA	0.3
TEMP	102	PERS	103

CRV HEALTH 4%					
HOOF HEALTH 102		UDDER HEALTH 104		FERTILITY 103	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-0.8	CCR	0.3	HCR	1.0
EFC	1.1	G. LENGTH	-1.4	C. INTERVAL	101
SCE	1.4	SSB	4.4	DCE	1.8
<b>MILK ROBOT</b>					
ROBOT INDEX	111	ROBOT EFFICIENCY	110	ROBOT INTERVAL	92
<b>INDEX</b>					
NM\$	1065	GTPI	3067	NVI	231
CM\$	1076	FM\$	997	GM\$	1008
<b>CONFORMATION</b> DAUGHTERS 0 • HERDS 0 • 79% REL					
PTAT	1.44	UDC	1.68	FLC	0.35
BWC	-0.15	LOC	97		



# 097HO42919 JACKKNIFE



JACKKNIFE

**T-SPRUCE JACKKNIFE-ET**

MAGNUM X CONWAY  
X LIONEL

HO840003260814955

DOB: 10/06/2022

aAa: 264135

DMS: 234,123

99% RHA

BETA CASEIN: A2A2

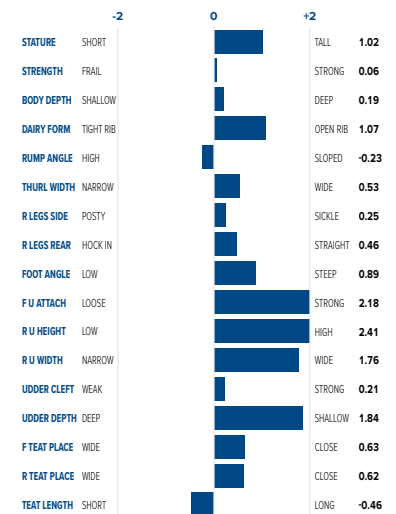
KAPPA CASEIN: AB

LACTOGLOBULIN: AB

HAPLOTYPES: -

CRV EFFICIENCY 16%					
LONGEVITY 468		FEED EFFICIENCY 109			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 80% REL			
MILK	1336	SCS	2.8	CFP	179
FAT+120	+0.23%	PROTEIN +59	+0.06%	LACTOSE +49	+0.01%
MUN	-0.10	METHANE	-	FEED SAVED	31
RFI	-13				
<b>HEALTH TRAITS</b>					
PL	4.6	COW LIVABILITY	-1.4	H. LIVABILITY	1.0
MILK FEVER	0.1	DAB	0.5	KETOSIS	1.5
MAS (U.S.)	1.1	CL MASTITIS	99	S-CL MASTITIS	100
METRITIS	1.8	RET PLACENTA	-0.1	CALF SURVIVAL	104
TEMP	101	PERS	108	RES	96

CRV HEALTH 2%									
HOOF HEALTH 100		UDDER HEALTH 99		FERTILITY 106					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	0.7	CCR	2.4	HCR	1.8	F. INDEX	1.5		
EFC	5.8	G. LENGTH	-1.5	C. INTERVAL	104	BW	100		
SCE	2.0	SSB	6.0	DCE	2.2	DSB	4.6		
<b>MILK ROBOT</b>									
ROBOT INDEX	106	ROBOT EFFICIENCY	106	ROBOT INTERVAL	94				
<b>INDEX</b>									
NM\$	1043	GTPI	3088	NVI	213				
CM\$	1057	FM\$	948	GM\$	1043				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 79% REL				
PTAT	1.48	UDC	1.68	FLC	0.52	BWC	-0.12	LOC	94



# 097HO42849 COLUMBO



COLUMBO

**COOKIECUTTER COLUMBO-ET**

WHEELHOUSE X  
LEGACY X ACHIEVER

HO840003228764396

DOB: 12/15/2021

aAa: 321546

DMS: 234,123

99% RHA

BETA CASEIN: A2A2

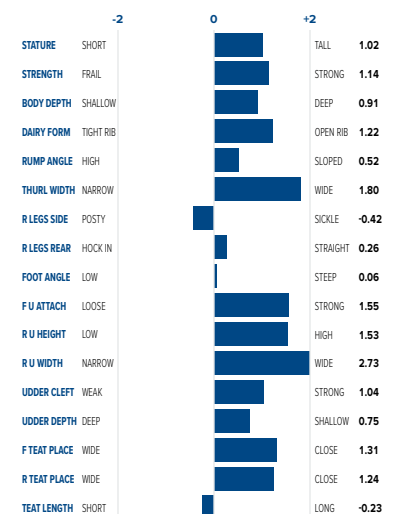
KAPPA CASEIN: BB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 12%					
LONGEVITY 197		FEED EFFICIENCY 107			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 81% REL			
MILK	1146	SCS	2.78	CFP	156
FAT +97	+0.18%	PROTEIN +59	+0.08%	LACTOSE +62	+0.01%
MUN	3.50	METHANE	-	FEED SAVED	48
RFI	-179				
<b>HEALTH TRAITS</b>					
PL	6.0	COW LIVABILITY	2.4	H. LIVABILITY	0.8
MILK FEVER	0.0	DAB	0.5	KETOSIS	1.8
MAS (U.S.)	0.9	CL MASTITIS	102	S-CL MASTITIS	105
METRITIS	1.3	RET PLACENTA	0.1	CALF SURVIVAL	103
TEMP	105	PERS	105	RES	97

CRV HEALTH 4%									
HOOF HEALTH 101		UDDER HEALTH 104		FERTILITY 106					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-0.2	CCR	2.1	HCR	3.6	F. INDEX	0.9		
EFC	4.7	G. LENGTH	-1.8	C. INTERVAL	102	BW	100		
SCE	1.6	SSB	6.1	DCE	1.6	DSB	4.6		
<b>MILK ROBOT</b>									
ROBOT INDEX	107	ROBOT EFFICIENCY	106	ROBOT INTERVAL	96				
<b>INDEX</b>									
NM\$	1020	GTPI	2991	NVI	249				
CM\$	1038	FM\$	897	GM\$	960				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 80% REL				
PTAT	1.47	UDC	1.43	FLC	-0.04	BWC	0.86	LOC	97



# 097HO42920 JIMBEAM



JIMBEAM

**T-SPRUCE JIMBEAM-ET**

GEORGE MILLER X  
CONWAY X LIONEL

HO840003260814961

DOB: 10/11/2022

aAa: 534126

DMS: 561,456

99% RHA

BETA CASEIN: A2A2

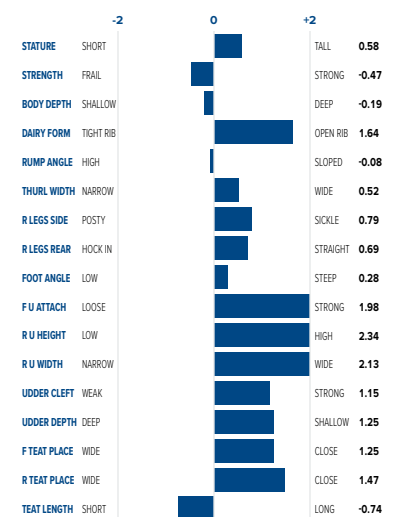
KAPPA CASEIN: AB

LACTOGLOBULIN: BB

HAPLOTYPES: -

CRV EFFICIENCY 20%					
LONGEVITY 619		FEED EFFICIENCY 112			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	1248	SCS	2.82	CFP	178
FAT +113	+0.22%	PROTEIN +65	+0.09%	LACTOSE +62	+0.03%
MUN	0.60	METHANE	-	FEED SAVED	239
RFI	-101				
<b>HEALTH TRAITS</b>					
PL	4.9	COW LIVABILITY	1.3	H. LIVABILITY	0.8
MILK FEVER	0.0	DAB	0.4	KETOSIS	2.1
MAS (U.S.)	1.4	CL MASTITIS	100	S-CL MASTITIS	101
METRITIS	0.8	RET PLACENTA	-0.5	CALF SURVIVAL	102
TEMP	104	PERS	103	RES	97

CRV HEALTH 3%									
HOOF HEALTH 103		UDDER HEALTH 100		FERTILITY 104					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-0.6	CCR	1.8	HCR	1.7	F. INDEX	0.1		
EFC	1.7	G. LENGTH	0.3	C. INTERVAL	101	BW	101		
SCE	2.1	SSB	6.2	DCE	1.7	DSB	3.6		
<b>MILK ROBOT</b>									
ROBOT INDEX	108	ROBOT EFFICIENCY	109	ROBOT INTERVAL	95				
<b>INDEX</b>									
NM\$	1118	GTPI	3096	NVI	270				
CM\$	1137	FM\$	984	GM\$	1091				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 78% REL				
PTAT	1.58	UDC	1.78	FLC	0.79	BWC	-0.9	LOC	95



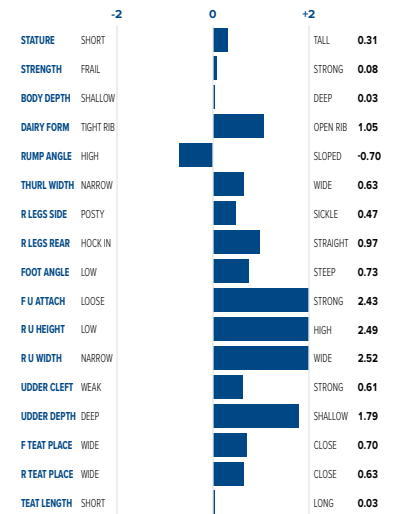
# 097HO42884 OAK



OAK  
**LADYS-MANOR HOLYSMK OAK-ET**  
 HOLYSMOKES X GRANITE X MILLINGTON  
 HO840003253915523  
 DOB: 06/08/2022  
 aAa: 234156  
 DMS: 126,123  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: BE  
 LACTOGLOBULIN: AB  
 HAPLOTYPES: -

CRV EFFICIENCY 13%			
LONGEVITY 315		FEED EFFICIENCY 107	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 80% REL	
MILK	771	SCS	2.7
FAT +114	+0.29%	PROTEIN +64	+0.14%
MUN	0.80	METHANE	-
RFI	78	FEED SAVED	-38
CFP	178	LACTOSE +33	-0.01%
<b>HEALTH TRAITS</b>			
PL	4.3	COW LIVABILITY	-0.4
MILK FEVER	0.0	DAB	0.2
MAS (U.S.)	3.1	CL MASTITIS	104
METRITIS	1.4	RET PLACENTA	0.4
TEMP	101	PERS	107
		RES	103

CRV HEALTH 3%			
HOOF HEALTH 96		UDDER HEALTH 105	
FERTILITY 104			
<b>CALVING TRAITS &amp; FERTILITY</b>			
DPR	0.0	CCR	0.4
EFC	3.4	G. LENGTH	-0.6
SCE	2.4	SSB	5.8
HCR	1.8	F. INDEX	0.6
C. INTERVAL	103	BW	102
DCE	2.4	DSB	4.0
<b>MILK ROBOT</b>			
ROBOT INDEX	102	ROBOT EFFICIENCY	100
<b>INDEX</b>			
NM\$	1022	GTPI	3109
CM\$	1051	FM\$	821
NVI	221	GM\$	1000
<b>CONFORMATION</b>			
DAUGHTERS 0 • HERDS 0 • 79% REL			
PTAT	1.42	UDC	2.14
FLC	0.83	BWC	-0.26
LOC	95		



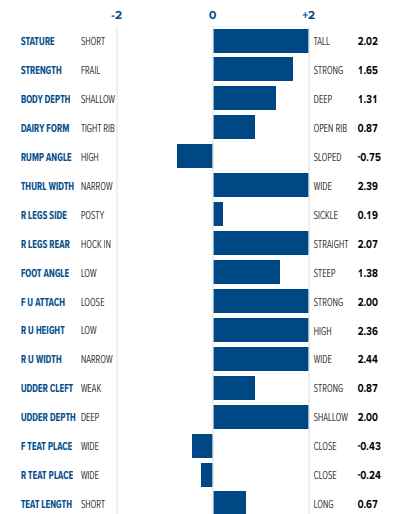
# 097HO42788 TYROL



TYROL  
**AURORA TYROL-ET**  
 PERFECT X WISAKU X MEGA LUCK  
 HO840003237112600  
 DOB: 08/04/2021  
 aAa: 234156  
 DMS: 126,561  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: BB  
 LACTOGLOBULIN: AA  
 HAPLOTYPES: -

CRV EFFICIENCY 5%			
LONGEVITY 295		FEED EFFICIENCY 101	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 82% REL	
MILK	1332	SCS	2.91
FAT +92	+0.14%	PROTEIN +67	+0.09%
MUN	-	METHANE	-
RFI	-91	FEED SAVED	-176
CFP	159	LACTOSE +7	-0.04%
<b>HEALTH TRAITS</b>			
PL	5.8	COW LIVABILITY	0.9
MILK FEVER	0.0	DAB	0.5
MAS (U.S.)	3.5	CL MASTITIS	100
METRITIS	2.3	RET PLACENTA	-0.3
TEMP	106	PERS	101
		RES	102

CRV HEALTH 3%			
HOOF HEALTH 102		UDDER HEALTH 100	
FERTILITY 103			
<b>CALVING TRAITS &amp; FERTILITY</b>			
DPR	0.6	CCR	2.5
EFC	2.7	G. LENGTH	-0.2
SCE	2.9	SSB	6.6
HCR	3.7	F. INDEX	1.3
C. INTERVAL	101	BW	106
DCE	2.4	DSB	4.3
<b>MILK ROBOT</b>			
ROBOT INDEX	104	ROBOT EFFICIENCY	104
<b>INDEX</b>			
NM\$	950	GTPI	3062
CM\$	967	FM\$	821
NVI	141	GM\$	905
<b>CONFORMATION</b>			
DAUGHTERS 0 • HERDS 0 • 82% REL			
PTAT	2.16	UDC	1.54
FLC	1.02	BWC	1.75
LOC	101		



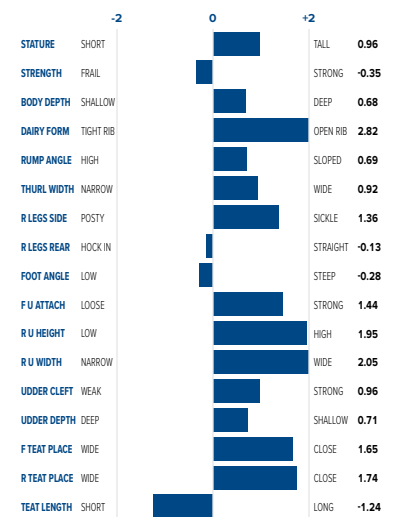
# 097HO42949 MAXIUM



MAXIUM  
**LA-CA-DE-LE MAXIUM-ET**  
 ANTONOV X CONWAY X CRIMSON  
 HO840003250484780  
 DOB: 05/13/2022  
 aAa: 243165  
 DMS: 123,135  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: BE  
 LACTOGLOBULIN: BB  
 HAPLOTYPES: -

CRV EFFICIENCY 14%			
LONGEVITY 261		FEED EFFICIENCY 108	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 79% REL	
MILK	946	SCS	2.71
FAT +120	+0.29%	PROTEIN +59	+0.10%
MUN	-0.50	METHANE	-
RFI	70	FEED SAVED	104
CFP	179	LACTOSE +31	+0.03%
<b>HEALTH TRAITS</b>			
PL	5.6	COW LIVABILITY	-0.1
MILK FEVER	-0.2	DAB	0.4
MAS (U.S.)	2.9	CL MASTITIS	104
METRITIS	1.6	RET PLACENTA	-0.1
TEMP	102	PERS	101
		RES	98

CRV HEALTH 2%			
HOOF HEALTH 97		UDDER HEALTH 104	
FERTILITY 105			
<b>CALVING TRAITS &amp; FERTILITY</b>			
DPR	0.6	CCR	2.6
EFC	1.9	G. LENGTH	-0.7
SCE	2.0	SSB	6.0
HCR	2.8	F. INDEX	1.2
C. INTERVAL	103	BW	99
DCE	1.8	DSB	4.7
<b>MILK ROBOT</b>			
ROBOT INDEX	108	ROBOT EFFICIENCY	111
<b>INDEX</b>			
NM\$	1100	GTPI	3088
CM\$	1123	FM\$	947
NVI	196	GM\$	1088
<b>CONFORMATION</b>			
DAUGHTERS 0 • HERDS 0 • 78% REL			
PTAT	1.51	UDC	1.31
FLC	-0.05	BWC	-1.15
LOC	97		





# 097HO42753 PROCEDURE

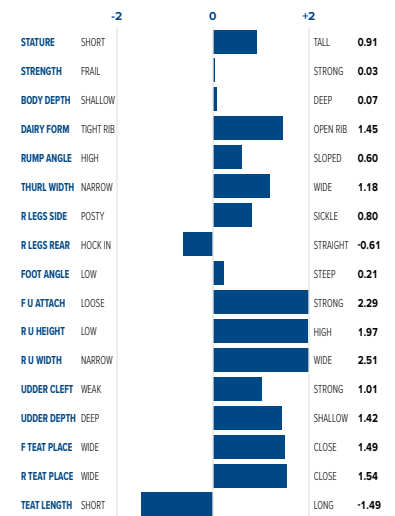


PROCEDURE

**FLY-HIGHER PROCEDURE-ET**  
 GAMERDAY X LEGACY X SUPERHERO  
 HO840003224239390  
 DOB: 07/01/2021  
 aAa: 234165  
 DMS: 561,135  
 99% RHA  
 BETA CASEIN: A2A2  
 KAPPA CASEIN: AA  
 LACTOGLOBULIN: AA  
 HAPLOTYPES: -

CRV EFFICIENCY 12%					
LONGEVITY 334		FEED EFFICIENCY 105			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	1165	SCS	2.69	CFP	159
FAT +106	+0.21%	PROTEIN +53	+0.06%	LACTOSE +48	+0.03%
MUN	-2.00	METHANE	-	FEED SAVED	70
RFI	-33				
<b>HEALTH TRAITS</b>					
PL	6.7	COW LIVABILITY	2.9	H. LIVABILITY	1.2
MILK FEVER	0.1	DAB	0.4	KETOSIS	2.7
MAS (U.S.)	1.8	CL MASTITIS	101	S-CL MASTITIS	102
METRITIS	0.9	RET PLACENTA	0.4	CALF SURVIVAL	102
TEMP	102	PERS	103	RES	104

CRV HEALTH 1%									
HOOF HEALTH 99		UDDER HEALTH 102		FERTILITY 105					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	0.3	CCR	2.1	HCR	3.3	F. INDEX	1.2		
EFC	4.6	G. LENGTH	-0.9	C. INTERVAL	103	BW	101		
SCE	2.1	SSB	5.9	DCE	3.3	DSB	5.1		
<b>MILK ROBOT</b>									
ROBOT INDEX	107	ROBOT EFFICIENCY	110	ROBOT INTERVAL	97				
<b>INDEX</b>									
NM\$	1075	GTPI	3043	NVI	192				
CM\$	1091	FM\$	980	GM\$	1019				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 81% REL				
PTAT	1.52	UDC	1.73	FLC	-0.08	BWC	-0.24	LOC	97



# 097HO42850 ZYMURGY

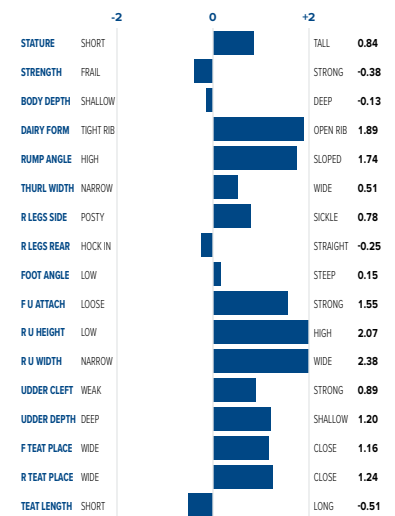


ZYMURGY

**PEAK ZYMURGY-ET**  
 ZOOTO X INCREDIBLE X PURSUIT  
 HO840003239114885  
 DOB: 12/09/2021  
 aAa: 243165  
 DMS: 135,123  
 99% RHA  
 BETA CASEIN: A2A2  
 KAPPA CASEIN: BB  
 LACTOGLOBULIN: AA  
 HAPLOTYPES: -

CRV EFFICIENCY 19%					
LONGEVITY 597		FEED EFFICIENCY 110			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 80% REL			
MILK	1240	SCS	2.71	CFP	178
FAT +114	+0.23%	PROTEIN +64	+0.09%	LACTOSE +47	0.02%
MUN	0.90	METHANE	-	FEED SAVED	215
RFI	-80				
<b>HEALTH TRAITS</b>					
PL	4.5	COW LIVABILITY	0.6	H. LIVABILITY	0.8
MILK FEVER	-0.1	DAB	0.3	KETOSIS	1.6
MAS (U.S.)	3.5	CL MASTITIS	104	S-CL MASTITIS	105
METRITIS	1.7	RET PLACENTA	0.0	CALF SURVIVAL	102
TEMP	102	PERS	99	RES	98

CRV HEALTH 4%									
HOOF HEALTH 106		UDDER HEALTH 105		FERTILITY 102					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-1.6	CCR	0.0	HCR	1.5	F. INDEX	-0.7		
EFC	2.5	G. LENGTH	-1.8	C. INTERVAL	100	BW	100		
SCE	1.6	SSB	5.6	DCE	1.5	DSB	4.5		
<b>MILK ROBOT</b>									
ROBOT INDEX	113	ROBOT EFFICIENCY	112	ROBOT INTERVAL	94				
<b>INDEX</b>									
NM\$	1083	GTPI	3036	NVI	300				
CM\$	1104	FM\$	949	GM\$	1033				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 78% REL				
PTAT	1.42	UDC	1.6	FLC	-0.03	BWC	-0.89	LOC	99



# 097HO42882 DRAGONBALL

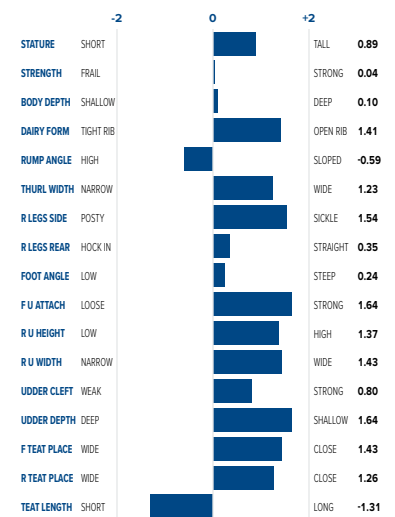


DRAGONBALL

**KINGS-RANSOM DRAGONBALL**  
 GOKU X EISAKU X IMAX  
 HO840003247634169  
 DOB: 03/20/2022  
 aAa: 243156  
 DMS: 126,123  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: AB  
 LACTOGLOBULIN: AA  
 HAPLOTYPES: -

CRV EFFICIENCY 17%					
LONGEVITY 187		FEED EFFICIENCY 112			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 80% REL			
MILK	1143	SCS	2.71	CFP	154
FAT +96	+0.18%	PROTEIN +58	+0.08%	LACTOSE +37	-0.01%
MUN	-1.80	METHANE	-	FEED SAVED	207
RFI	-176				
<b>HEALTH TRAITS</b>					
PL	5.1	COW LIVABILITY	1.1	H. LIVABILITY	0.3
MILK FEVER	0.0	DAB	0.7	KETOSIS	0.7
MAS (U.S.)	3.4	CL MASTITIS	103	S-CL MASTITIS	106
METRITIS	1.7	RET PLACENTA	0.0	CALF SURVIVAL	99
TEMP	100	PERS	103	RES	97

CRV HEALTH 2%									
HOOF HEALTH 100		UDDER HEALTH 105		FERTILITY 103					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-0.4	CCR	1.6	HCR	2.6	F. INDEX	0.7		
EFC	5.7	G. LENGTH	-1.5	C. INTERVAL	100	BW	100		
SCE	1.7	SSB	5.6	DCE	1.6	DSB	5.3		
<b>MILK ROBOT</b>									
ROBOT INDEX	104	ROBOT EFFICIENCY	104	ROBOT INTERVAL	95				
<b>INDEX</b>									
NM\$	1016	GTPI	2987	NVI	220				
CM\$	1036	FM\$	896	GM\$	981				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 79% REL				
PTAT	1.45	UDC	1.26	FLC	0.48	BWC	-0.21	LOC	98



# 097HO42761 VOLSTAGG

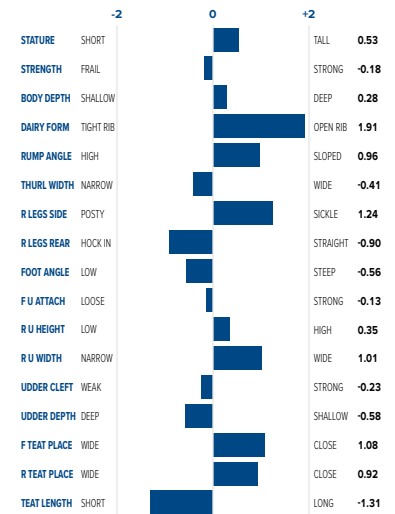


VOLSTAGG

**BLUMENFELD VOLSTAGG**  
 RAYSHEN X ROME X ACHIEVER  
 HO840003232439428  
 DOB: 05/21/2021  
 aAa: 324156  
 DMS: -  
 99% RHA  
 BETA CASEIN: A2A2  
 KAPPA CASEIN: AB  
 LACTOGLOBULIN: AB  
 HAPLOTYPES: -

CRV EFFICIENCY 12%			
LONGEVITY 409		FEED EFFICIENCY 106	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 82% REL	
MILK	832	SCS	2.67
FAT+128	+0.33%	PROTEIN	+63 +0.13%
MUN	3.90	METHANE	-
RFI	-60	CFP	191
LACTOSE	-7	FEED SAVED	205
<b>HEALTH TRAITS</b>			
PL	4.4	COW LIVABILITY	1.8
MILK FEVER	0.0	H. LIVABILITY	0.6
MAS (U.S.)	2.6	DAB	0.6
METRITIS	1.8	KETOSIS	1.8
TEMP	106	MAS (U.S.)	106
PERS	97	S-CL MASTITIS	109
RES	105	CL MASTITIS	109
		RET PLACENTA	0.4
		CALF SURVIVAL	102
		RES	105

CRV HEALTH 6%			
HOOF HEALTH 103		UDDER HEALTH 108	
FERTILITY 106			
<b>CALVING TRAITS &amp; FERTILITY</b>			
DPR	-1.7	CCR	-0.1
EFC	1.1	HCR	-1.1
SCE	1.6	F. INDEX	-1.2
		G. LENGTH	-1.3
		C. INTERVAL	104
		BW	99
		SSB	5.3
		DCE	2.0
		DSB	4.7
<b>MILK ROBOT</b>			
ROBOT INDEX	108	ROBOT EFFICIENCY	101
		ROBOT INTERVAL	97
<b>INDEX</b>			
NM\$	1107	GTPI	2934
CM\$	1135	NVI	204
		FM\$	919
		GM\$	1048
<b>CONFORMATION</b>			
DAUGHTERS 0 • HERDS 0 • 80% REL			
PTAT	0.28	UDC	0.03
FLC	-0.72	BWC	-0.95
LOC	96		



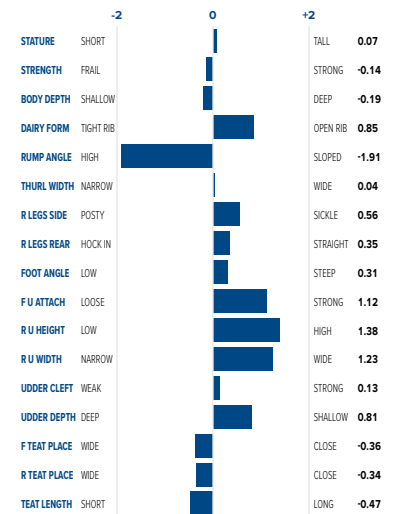
# 097HO42846 DAZZLIN



**KINGS-RANSOM E DAZZLIN-ET**  
 ENGINEER X LEGACY X CHALLENGER  
 HO840003247634156  
 DOB: 03/06/2022  
 aAa: 432561  
 DMS: 345,456  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: AE  
 LACTOGLOBULIN: AB  
 HAPLOTYPES: -

CRV EFFICIENCY 16%			
LONGEVITY 376		FEED EFFICIENCY 109	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 81% REL	
MILK	553	SCS	2.72
FAT+121	+0.35%	PROTEIN	+53 +0.13%
MUN	0.70	METHANE	-
RFI	-100	CFP	174
LACTOSE	+7	FEED SAVED	175
<b>HEALTH TRAITS</b>			
PL	6.7	COW LIVABILITY	3.0
MILK FEVER	0.0	H. LIVABILITY	0.9
MAS (U.S.)	2.8	DAB	0.2
METRITIS	1.4	KETOSIS	0.8
TEMP	101	MAS (U.S.)	104
PERS	101	S-CL MASTITIS	106
RES	102	CL MASTITIS	106
		RET PLACENTA	0.6
		CALF SURVIVAL	103
		RES	102

CRV HEALTH 5%			
HOOF HEALTH 105		UDDER HEALTH 105	
FERTILITY 106			
<b>CALVING TRAITS &amp; FERTILITY</b>			
DPR	-0.3	CCR	1.9
EFC	5.5	HCR	3.8
SCE	1.7	F. INDEX	0.9
		G. LENGTH	-0.4
		C. INTERVAL	102
		BW	102
		SSB	6.0
		DCE	2.0
		DSB	4.5
<b>MILK ROBOT</b>			
ROBOT INDEX	109	ROBOT EFFICIENCY	107
		ROBOT INTERVAL	95
<b>INDEX</b>			
NM\$	1159	GTPI	3068
CM\$	1185	NVI	259
		FM\$	980
		GM\$	1097
<b>CONFORMATION</b>			
DAUGHTERS 0 • HERDS 0 • 79% REL			
PTAT	0.95	UDC	0.97
FLC	0.52	BWC	-0.49
LOC	95		



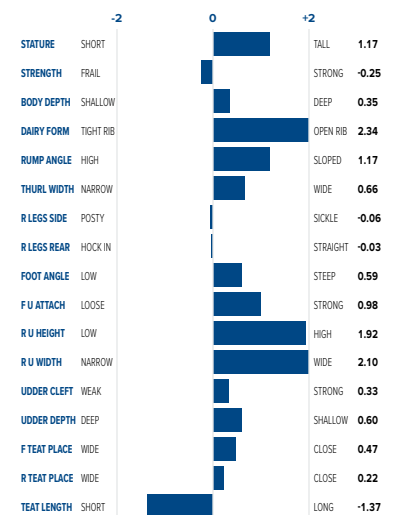
# 097HO42887 DIXON



**PEAK DIXON-ET**  
 ALTAKEVELOW X ALTAZAZZLE X KING ROYAL  
 HO840003240482333  
 DOB: 03/25/2022  
 aAa: 234165  
 DMS: 345,135  
 99% RHA  
 BETA CASEIN: A1A2  
 KAPPA CASEIN: AE  
 LACTOGLOBULIN: AB  
 HAPLOTYPES: -

CRV EFFICIENCY 18%			
LONGEVITY 340		FEED EFFICIENCY 110	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 79% REL	
MILK	1119	SCS	2.73
FAT+132	+0.31%	PROTEIN	+74 +0.13%
MUN	0.70	METHANE	-
RFI	-10	CFP	206
LACTOSE	+48	FEED SAVED	142
<b>HEALTH TRAITS</b>			
PL	3.7	COW LIVABILITY	-0.8
MILK FEVER	-0.1	H. LIVABILITY	0.2
MAS (U.S.)	2.6	DAB	-0.2
METRITIS	1.3	KETOSIS	1.1
TEMP	107	MAS (U.S.)	104
PERS	106	S-CL MASTITIS	108
RES	98	CL MASTITIS	108
		RET PLACENTA	-0.4
		CALF SURVIVAL	99
		RES	98

CRV HEALTH 2%			
HOOF HEALTH 98		UDDER HEALTH 106	
FERTILITY 102			
<b>CALVING TRAITS &amp; FERTILITY</b>			
DPR	-1.4	CCR	0.5
EFC	-1.5	HCR	-0.2
SCE	1.8	F. INDEX	-1.1
		G. LENGTH	-2.3
		C. INTERVAL	98
		BW	99
		SSB	5.7
		DCE	2.3
		DSB	5.3
<b>MILK ROBOT</b>			
ROBOT INDEX	113	ROBOT EFFICIENCY	107
		ROBOT INTERVAL	96
<b>INDEX</b>			
NM\$	1106	GTPI	3076
CM\$	1134	NVI	288
		FM\$	908
		GM\$	1077
<b>CONFORMATION</b>			
DAUGHTERS 0 • HERDS 0 • 77% REL			
PTAT	1.32	UDC	1.00
FLC	0.37	BWC	-0.87
LOC	95		



# 097HO42682 ZICO



ZICO

## PEAK ZICO-ET

ALTAJUMP CUT  
X PURSUIT X  
ALTATOPSHOT

HO840003219939860

DOB: 01/13/2021

aAa: 321465

DMS: 135,345

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: BB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 17%	
LONGEVITY 514	FEED EFFICIENCY 110

PRODUCTION DAUGHTERS 0 • HERDS 0 • 81% REL

MILK	2115	SCS	2.77	CFP	164
FAT	+87 +0.02%	PROTEIN	+77 +0.04%	LACTOSE	+76 -0.03%
MUN	-	METHANE	-	FEED SAVED	124
RFI	-91				

HEALTH TRAITS

PL	5.3	COW LIVABILITY	0.6	H. LIVABILITY	1.1
MILK FEVER	-0.1	DAB	0.0	KETOSIS	1.8
MAS (U.S.)	3.2	CL MASTITIS	103	S-CL MASTITIS	104
METRITIS	1.5	RET PLACENTA	-0.2	CALF SURVIVAL	102
TEMP	106	PERS	107	RES	97

CRV HEALTH 3%		
HOOF HEALTH 104	UDDER HEALTH 104	FERTILITY 104

CALVING TRAITS & FERTILITY

DPR	-2.1	CCR	-0.9	HCR	0.1	F. INDEX	-1.2
EFC	3.5	G. LENGTH	-2.0	C. INTERVAL	101	BW	-
SCE	2.4	SSB	5.8	DCE	1.9	DSB	3.9

MILK ROBOT

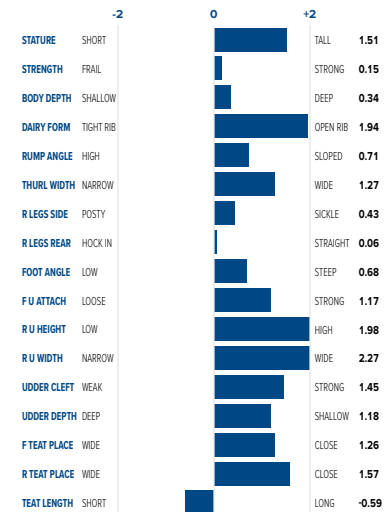
ROBOT INDEX	107	ROBOT EFFICIENCY	108	ROBOT INTERVAL	99
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INDEX

NM\$	1016	GTPI	2961	NVI	276
CM\$	1028	FM\$	945	GM\$	921

CONFORMATION DAUGHTERS 0 • HERDS 0 • 79% REL

PTAT	1.48	UDC	1.37	FLC	0.10	BWC	-0.21	LOC	99
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# 097HO42437 ESCAPADE



ESCAPADE

## PINE-TREE ESCAPADE-ET

ACURA X ACHIEVER  
X DELTA

HO840003213241729

DOB: 03/01/2020

aAa: 234156

DMS: 126,561

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: BB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 18%	
LONGEVITY 122	FEED EFFICIENCY 113

PRODUCTION DAUGHTERS 0 • HERDS 0 • 82% REL

MILK	2394	SCS	3.02	CFP	171
FAT	+98 +0.02%	PROTEIN	+73 +0.00%	LACTOSE	+71 -0.03%
MUN	-	METHANE	-	FEED SAVED	12
RFI	82				

HEALTH TRAITS

PL	3.3	COW LIVABILITY	0.7	H. LIVABILITY	0.2
MILK FEVER	0.3	DAB	0.6	KETOSIS	2.1
MAS (U.S.)	-0.2	CL MASTITIS	97	S-CL MASTITIS	98
METRITIS	1.8	RET PLACENTA	-0.2	CALF SURVIVAL	101
TEMP	101	PERS	105	RES	92

CRV HEALTH 1%		
HOOF HEALTH 97	UDDER HEALTH 97	FERTILITY 103

CALVING TRAITS & FERTILITY

DPR	-1.9	CCR	-0.8	HCR	3.9	F. INDEX	-0.8
EFC	2.6	G. LENGTH	-0.9	C. INTERVAL	100	BW	102
SCE	2.0	SSB	6.0	DCE	1.9	DSB	4.2

MILK ROBOT

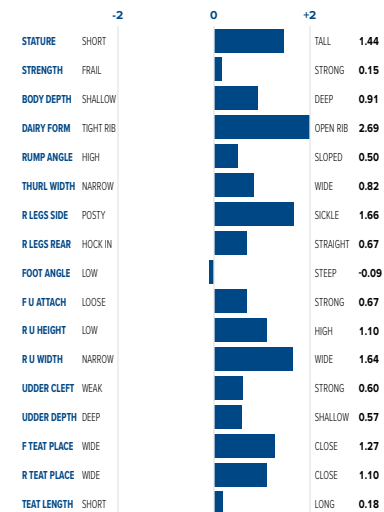
ROBOT INDEX	107	ROBOT EFFICIENCY	108	ROBOT INTERVAL	97
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INDEX

NM\$	911	GTPI	2900	NVI	138
CM\$	911	FM\$	906	GM\$	855

CONFORMATION DAUGHTERS 0 • HERDS 0 • 81% REL

PTAT	1.34	UDC	0.73	FLC	0.52	BWC	-0.61	LOC	100
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# 097HO42613 GAOCHAN



GAOCHAN

## TERRA-LINDA GAOCHAN-ET

ACURA X JEDI X  
ALTAHOTROD

HO840003208782876

DOB: 12/03/2020

aAa: 354126

DMS: 456,345

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: AB

LACTOGLOBULIN: AB

HAPLOTYPES: -

CRV EFFICIENCY 18%	
LONGEVITY 376	FEED EFFICIENCY 111

PRODUCTION DAUGHTERS 0 • HERDS 0 • 82% REL

MILK	3030	SCS	3.08	CFP	192
FAT	+95 +0.07%	PROTEIN	+97 +0.01%	LACTOSE	+119 0.01%
MUN	-0.50	METHANE	-	FEED SAVED	145
RFI	-153				

HEALTH TRAITS

PL	4.3	COW LIVABILITY	-0.1	H. LIVABILITY	0.7
MILK FEVER	0.1	DAB	0.5	KETOSIS	2.1
MAS (U.S.)	0.8	CL MASTITIS	99	S-CL MASTITIS	101
METRITIS	1.5	RET PLACENTA	0.3	CALF SURVIVAL	99
TEMP	104	PERS	106	RES	95

CRV HEALTH 0%		
HOOF HEALTH 100	UDDER HEALTH 100	FERTILITY 102

CALVING TRAITS & FERTILITY

DPR	-1.4	CCR	0.0	HCR	2.0	F. INDEX	-0.3
EFC	5.1	G. LENGTH	0.3	C. INTERVAL	99	BW	104
SCE	2.2	SSB	5.6	DCE	2.5	DSB	5.1

MILK ROBOT

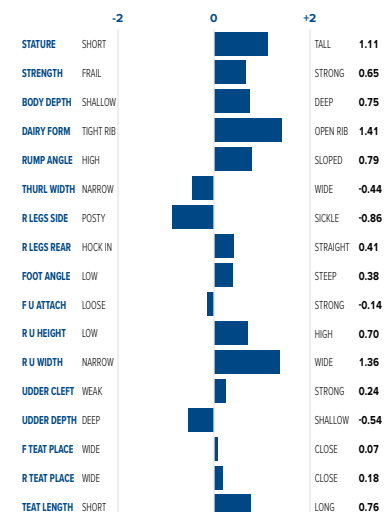
ROBOT INDEX	109	ROBOT EFFICIENCY	106	ROBOT INTERVAL	102
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INDEX

NM\$	1066	GTPI	2953	NVI	229
CM\$	1067	FM\$	1040	GM\$	1013

CONFORMATION DAUGHTERS 0 • HERDS 0 • 80% REL

PTAT	0.45	UDC	0.07	FLC	0.00	BWC	0.05	LOC	100
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# 097HO42745 PLAYA



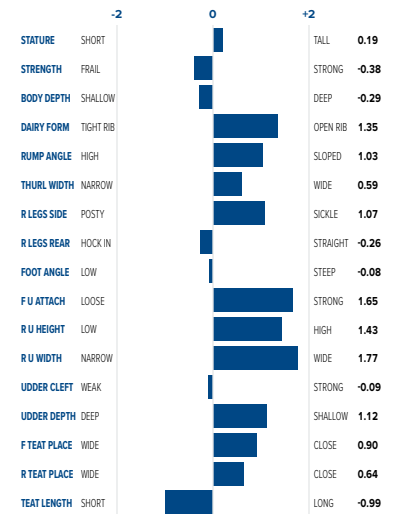
PLAYA

## LA-CA-DE-LE PLAYA-ET

AUSTAD X EISAKU X  
ACHIEVER  
HO840003233795226  
DOB: 05/01/2021  
aAa: 243165  
DMS: 135,123  
99% RHA  
BETA CASEIN: A2A2  
KAPPA CASEIN: AA  
LACTOGLOBULIN: AA  
HAPLOTYPES: -

CRV EFFICIENCY 15%					
LONGEVITY 215		FEED EFFICIENCY 109			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	1208	SCS	3.02	CFP	159
FAT	+102 +0.19%	PROTEIN	+57 +0.07%	LACTOSE	+45 +0.02%
MUN	-1.00	METHANE	-	FEED SAVED	331
RFI	-212				
<b>HEALTH TRAITS</b>					
PL	4.5	COW LIVABILITY	0.0	H. LIVABILITY	0.5
MILK FEVER	-0.1	DAB	0.2	KETOSIS	0.9
MAS (U.S.)	1.6	CL MASTITIS	102	S-CL MASTITIS	101
METRITIS	1.7	RET PLACENTA	-0.4	CALF SURVIVAL	101
TEMP	102	PERS	103	RES	96

CRV HEALTH 2%									
HOOF HEALTH 100		UDDER HEALTH 102		FERTILITY 104					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-0.1	CCR	1.2	HCR	1.5	F. INDEX	0.1		
EFC	-0.9	G. LENGTH	0.3	C. INTERVAL	100	BW	101		
SCE	1.8	SSB	5.5	DCE	2.0	DSB	4.8		
<b>MILK ROBOT</b>									
ROBOT INDEX	106	ROBOT EFFICIENCY	108	ROBOT INTERVAL	93				
<b>INDEX</b>									
NM\$	1004	GTPI	2915	NVI	199				
CM\$	1015	FM\$	908	GM\$	995				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 81% REL				
PTAT	1.34	UDC	1.30	FLC	0.17	BWC	-0.79	LOC	98



# 097HO42797 HIGHSTAKES



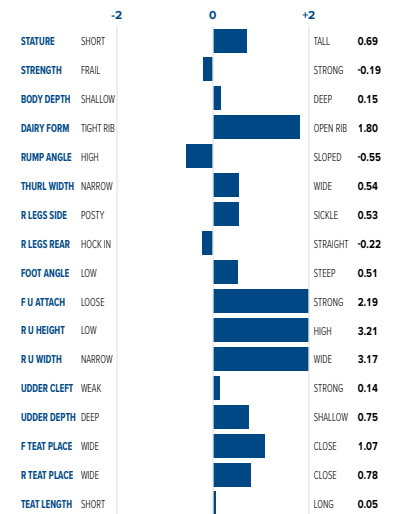
HIGHSTAKES

## PEAK HIGHSTAKES-ET

GALAPAGOS X  
MAXIMUS X REASON  
HO840003238808327  
DOB: 10/24/2021  
aAa: 243615  
DMS: 345,456  
99% RHA  
BETA CASEIN: A2A2  
KAPPA CASEIN: AB  
LACTOGLOBULIN: AA  
HAPLOTYPES: -

CRV EFFICIENCY 13%					
LONGEVITY 53		FEED EFFICIENCY 107			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 80% REL			
MILK	1651	SCS	2.95	CFP	196
FAT	+117 +0.18%	PROTEIN	+79 +0.09%	LACTOSE	+74 0.00%
MUN	0.40	METHANE	-	FEED SAVED	-6
RFI	116				
<b>HEALTH TRAITS</b>					
PL	1.6	COW LIVABILITY	-3.5	H. LIVABILITY	0.8
MILK FEVER	0.0	DAB	0.3	KETOSIS	1.6
MAS (U.S.)	-0.6	CL MASTITIS	98	S-CL MASTITIS	101
METRITIS	1.6	RET PLACENTA	-0.1	CALF SURVIVAL	101
TEMP	109	PERS	105	RES	95

CRV HEALTH 1%									
HOOF HEALTH 100		UDDER HEALTH 99		FERTILITY 102					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-3.2	CCR	-1.9	HCR	0.6	F. INDEX	-2.0		
EFC	4.2	G. LENGTH	-1.9	C. INTERVAL	99	BW	101		
SCE	1.9	SSB	5.3	DCE	2.1	DSB	4.7		
<b>MILK ROBOT</b>									
ROBOT INDEX	111	ROBOT EFFICIENCY	107	ROBOT INTERVAL	101				
<b>INDEX</b>									
NM\$	923	GTPI	2966	NVI	221				
CM\$	940	FM\$	783	GM\$	874				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 78% REL				
PTAT	1.55	UDC	2.08	FLC	-0.19	BWC	-0.72	LOC	92



# 097HO42751 ONSTAGE



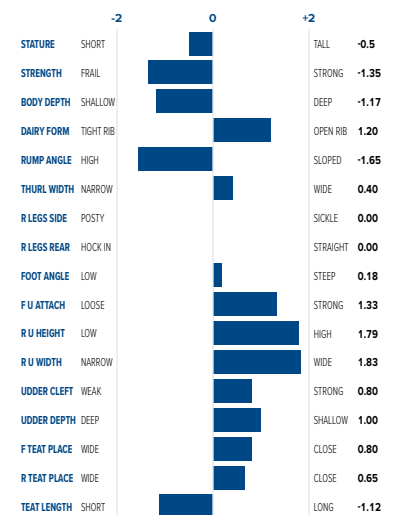
ONSTAGE

## LADYS-MANOR ONSTAGE-ET

SUPERCHARGE X GRANITE X  
MILLINGTON  
HO840003238997206  
DOB: 06/22/2021  
aAa: 342516  
DMS: 234,123  
99% RHA  
BETA CASEIN: A1A2  
KAPPA CASEIN: BE  
LACTOGLOBULIN: AB  
HAPLOTYPES: -

CRV EFFICIENCY 19%					
LONGEVITY 333		FEED EFFICIENCY 113			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	760	SCS	2.72	CFP	133
FAT	+90 +0.21%	PROTEIN	+43 +0.07%	LACTOSE	+55 +0.04%
MUN	-1.40	METHANE	-	FEED SAVED	407
RFI	-152				
<b>HEALTH TRAITS</b>					
PL	5.1	COW LIVABILITY	0.8	H. LIVABILITY	0.7
MILK FEVER	0.2	DAB	0.4	KETOSIS	1.0
MAS (U.S.)	0.5	CL MASTITIS	102	S-CL MASTITIS	105
METRITIS	1.6	RET PLACENTA	0.3	CALF SURVIVAL	102
TEMP	101	PERS	108	RES	104

CRV HEALTH 3%									
HOOF HEALTH 100		UDDER HEALTH 104		FERTILITY 102					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	0.3	CCR	1.3	HCR	3.0	F. INDEX	1.2		
EFC	5.8	G. LENGTH	0.5	C. INTERVAL	99	BW	101		
SCE	1.9	SSB	5.7	DCE	2.0	DSB	3.6		
<b>MILK ROBOT</b>									
ROBOT INDEX	98	ROBOT EFFICIENCY	95	ROBOT INTERVAL	98				
<b>INDEX</b>									
NM\$	995	GTPI	2876	NVI	223				
CM\$	1012	FM\$	892	GM\$	986				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • 81% REL				
PTAT	0.54	UDC	1.55	FLC	0.20	BWC	-1.68	LOC	94





# 097HO42510 FUGLEMAN



FUGLEMAN

## PEAK FUGLEMAN-ET

ALTAZAZZLE X  
POSITIVE X MEDLEY  
HO840003215425396

DOB: 04/20/2020

aAa: 516324

DMS: 126,123

99% RHA

BETA CASEIN: A1A2

KAPPA CASEIN: BB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 16%	
LONGEVITY 370	FEED EFFICIENCY 108

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	1210	SCS	2.86	CFP	178
FAT +110	+0.22%	PROTEIN +68	+0.10%	LACTOSE+45	+0.06%
MUN	-	METHANE	-	FEED SAVED	2
RFI	26				

HEALTH TRAITS					
PL	3.5	COW LIVABILITY	1.1	H. LIVABILITY	0.4
MILK FEVER	0.0	DAB	-0.1	KETOSIS	1.7
MAS (U.S.)	1.5	CL MASTITIS	103	S-CL MASTITIS	103
METRITIS	2.0	RET PLACENTA	0.3	CALF SURVIVAL	98
TEMP	105	PERS	107	RES	99

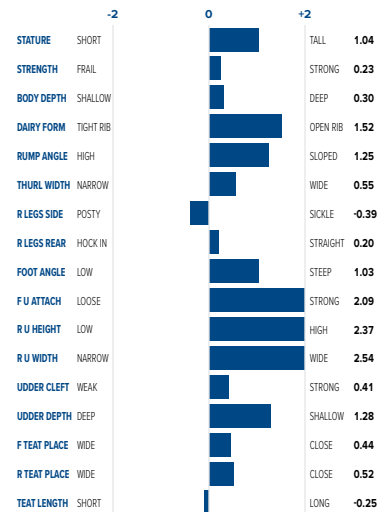
CRV HEALTH 2%		
HOOF HEALTH 104	UDDER HEALTH 103	FERTILITY 100

CALVING TRAITS & FERTILITY							
DPR	-2.1	CCR	-1.4	HCR	-1.2	F. INDEX	-1.7
EFC	0.1	G. LENGTH	-2.7	C. INTERVAL	99	BW	99
SCE	2.0	SSB	6.3	DCE	2.1	DSB	6.0

MILK ROBOT			
ROBOT INDEX	113	ROBOT EFFICIENCY 113	ROBOT INTERVAL 91

INDEX					
NM\$	947	GTPI	2976	NVI	233
CM\$	967	FM\$	794	GM\$	878

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 81% REL							
PTAT	1.83	UDC	1.71	FLC	0.53	BWC	-0.19	LOC	96



# 097HO42845 TITUS-P



TITUS-P

## GENOSOURCE FUG TITUS-P-ET

FUGLEMAN X  
MOUNTAIN-P X  
SAMARITAN

HO840003245816146

DOB: 03/31/2022

aAa: 213645

DMS: 561,135

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: AB

LACTOGLOBULIN: BB

HAPLOTYPES: -

CRV EFFICIENCY 17%	
LONGEVITY 354	FEED EFFICIENCY 109

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 80% REL			
MILK	1531	SCS	2.86	CFP	188
FAT +114	+0.19%	PROTEIN +74	+0.09%	LACTOSE +60	0.04%
MUN	2.60	METHANE	-	FEED SAVED	91
RFI	28				

HEALTH TRAITS					
PL	4.3	COW LIVABILITY	1.0	H. LIVABILITY	0.5
MILK FEVER	0.1	DAB	0.2	KETOSIS	2.3
MAS (U.S.)	1.0	CL MASTITIS	101	S-CL MASTITIS	103
METRITIS	2.5	RET PLACENTA	0.4	CALF SURVIVAL	99
TEMP	104	PERS	109	RES	102

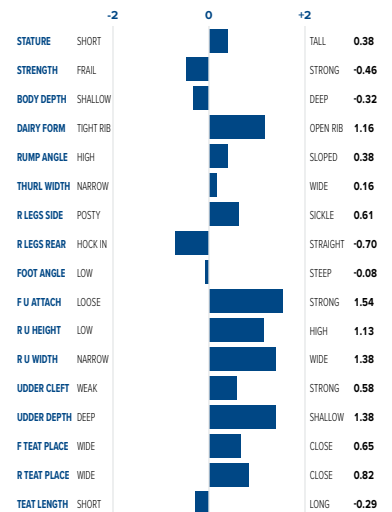
CRV HEALTH 4%		
HOOF HEALTH 101	UDDER HEALTH 102	FERTILITY 105

CALVING TRAITS & FERTILITY							
DPR	-0.7	CCR	0.2	HCR	0.2	F. INDEX	-0.3
EFC	1.4	G. LENGTH	-2.3	C. INTERVAL	103	BW	98
SCE	1.6	SSB	5.4	DCE	1.8	DSB	5.0

MILK ROBOT			
ROBOT INDEX	114	ROBOT EFFICIENCY 114	ROBOT INTERVAL 92

INDEX					
NM\$	1073	GTPI	3022	NVI	246
CM\$	1092	FM\$	938	GM\$	1039

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 79% REL							
PTAT	1.05	UDC	1.24	FLC	-0.40	BWC	-0.79	LOC	90



# 097HO42974 LAMONT-P



LAMONT-P

## WESSELCREST LAMONT-P-ET

HIGH ENERGY X  
LIMELIGHT-P X  
FRAZZLED

HO840003244387116

DOB: 04/10/2022

aAa: 324156

DMS: 135,345

99% RHA

BETA CASEIN: A1A2

KAPPA CASEIN: BB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 10%	
LONGEVITY 329	FEED EFFICIENCY 104

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	1010	SCS	2.95	CFP	159
FAT +96	+0.20%	PROTEIN +63	+0.11%	LACTOSE +50	+0.03%
MUN	-0.30	METHANE	-	FEED SAVED	41
RFI	15				

HEALTH TRAITS					
PL	4.7	COW LIVABILITY	0.7	H. LIVABILITY	0.8
MILK FEVER	0.1	DAB	-0.1	KETOSIS	1.8
MAS (U.S.)	1.1	CL MASTITIS	99	S-CL MASTITIS	101
METRITIS	2.2	RET PLACENTA	0.3	CALF SURVIVAL	100
TEMP	101	PERS	106	RES	97

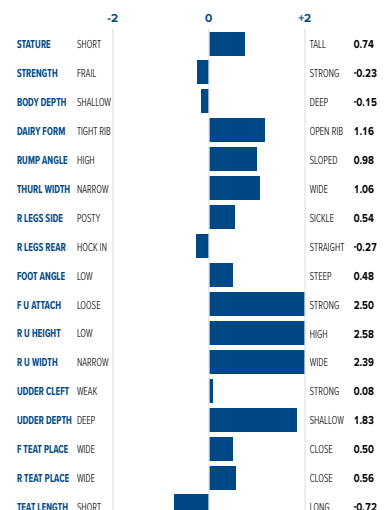
CRV HEALTH 3%		
HOOF HEALTH 103	UDDER HEALTH 100	FERTILITY 106

CALVING TRAITS & FERTILITY							
DPR	0.0	CCR	1.6	HCR	3.5	F. INDEX	0.9
EFC	4.2	G. LENGTH	-1.2	C. INTERVAL	103	BW	102
SCE	2.1	SSB	5.9	DCE	2.4	DSB	5.0

MILK ROBOT			
ROBOT INDEX	109	ROBOT EFFICIENCY 113	ROBOT INTERVAL 94

INDEX					
NM\$	964	GTPI	2996	NVI	212
CM\$	983	FM\$	809	GM\$	939

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 78% REL							
PTAT	1.67	UDC	1.95	FLC	0.25	BWC	-0.37	LOC	97



# 097HO42587 PARKER



PARKER

## FUSTSYN PARKER-ET

PARFECT X BRASS X DELTA

HO840003128190241

DOB: 11/29/2020

aAa: 231645

DMS: 135,561

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: BB

LACTOGLOBULIN: AB

HAPLOTYPES: -

CRV EFFICIENCY 13%			
LONGEVITY 317		FEED EFFICIENCY 107	

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	1202	SCS	2.85	CFP	141
FAT	+85 +0.13%	PROTEIN	+56 +0.06%	LACTOSE	+57 -0.02%
MUN	-	METHANE	-	FEED SAVED	85
RFI	-239				

HEALTH TRAITS					
PL	4.0	COW LIVABILITY	-0.4	H. LIVABILITY	0.4
MILK FEVER	-0.1	DAB	0.6	KETOSIS	1.5
MAS (U.S.)	2.3	CL MASTITIS	97	S-CL MASTITIS	100
METRITIS	1.6	RET PLACENTA	-1.0	CALF SURVIVAL	101
TEMP	101	PERS	102	RES	100

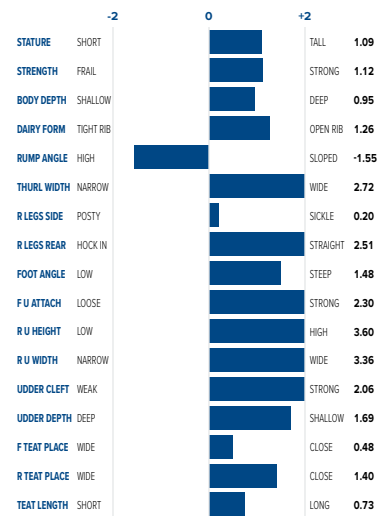
CRV HEALTH 2%					
HOOF HEALTH 102		UDDER HEALTH 98		FERTILITY 100	

CALVING TRAITS & FERTILITY							
DPR	-1.9	CCR	-0.7	HCR	1.3	F. INDEX	-1.1
EFC	1.7	G. LENGTH	0.9	C. INTERVAL	97	BW	105
SCE	2.8	SSB	6.1	DCE	2.3	DSB	3.7

MILK ROBOT					
ROBOT INDEX	104	ROBOT EFFICIENCY	106	ROBOT INTERVAL	98

INDEX					
NM\$	857	GTPI	2956	NVI	179
CM\$	871	FM\$	759	GM\$	788

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 81% REL							
PTAT	2.71	UDC	2.48	FLC	1.65	BWC	1.00	LOC	103



# 097HO43030 CLIFF

NEW



MISS OCD ROBST DELF-CIOUS-ET VG-87, 6TH DAM

## PEAK CLIFF-ET

PARKER X ALTAZZAZZLE X ALTAEXPLOSION

HO840003251555933

DOB: 03/22/2023

aAa: 234165

DMS: -

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: BB

LACTOGLOBULIN: AB

HAPLOTYPES: -

CRV EFFICIENCY -%			
LONGEVITY 414		FEED EFFICIENCY -	

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	894	SCS	2.55	CFP	150
FAT	+95 +0.21%	PROTEIN	+55 +0.09%	LACTOSE	+40 +0.00%
MUN	-	METHANE	-	FEED SAVED	101
RFI	-214				

HEALTH TRAITS					
PL	5.9	COW LIVABILITY	1.2	H. LIVABILITY	0.6
MILK FEVER	-0.1	DAB	0.8	KETOSIS	1.5
MAS (U.S.)	5.9	CL MASTITIS	105	S-CL MASTITIS	105
METRITIS	2.2	RET PLACENTA	-0.4	CALF SURVIVAL	-
TEMP	101	PERS	-	RES	-

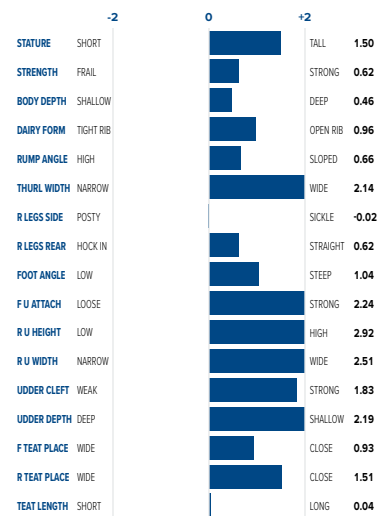
CRV HEALTH -%					
HOOF HEALTH 104		UDDER HEALTH 106		FERTILITY 102	

CALVING TRAITS & FERTILITY							
DPR	-0.5	CCR	0.8	HCR	0.3	F. INDEX	-0.1
EFC	1.6	G. LENGTH	-1.4	C. INTERVAL	101	BW	-
SCE	2.4	SSB	5.7	DCE	2.1	DSB	4.1

MILK ROBOT					
ROBOT INDEX	110	ROBOT EFFICIENCY	107	ROBOT INTERVAL	96

INDEX					
NM\$	1022	GTPI	3043	NVI	-
CM\$	1047	FM\$	876	GM\$	960

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 79% REL							
PTAT	1.91	UDC	2.17	FLC	0.34	BWC	0.74	LOC	98



# 097HO42915 OUT-OF-BOUND



OUT-OF-BOUND

## LADY-MANOR OUT-OF-BOUND-ET

OFFSIDE X HIGHJUMP X GRANITE

HO840003253915541

DOB: 08/08/2022

aAa: 432516

DMS: 234,345

99% RHA

BETA CASEIN: A1A2

KAPPA CASEIN: BB

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 16%			
LONGEVITY 477		FEED EFFICIENCY 108	

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 81% REL			
MILK	1468	SCS	2.87	CFP	181
FAT	+112 +0.19%	PROTEIN	+69 +0.08%	LACTOSE	+59 +0.03%
MUN	1.00	METHANE	-	FEED SAVED	106
RFI	-50				

HEALTH TRAITS					
PL	4.6	COW LIVABILITY	1.9	H. LIVABILITY	0.8
MILK FEVER	0.1	DAB	0.8	KETOSIS	1.5
MAS (U.S.)	0.6	CL MASTITIS	100	S-CL MASTITIS	102
METRITIS	1.5	RET PLACENTA	0.6	CALF SURVIVAL	101
TEMP	102	PERS	104	RES	101

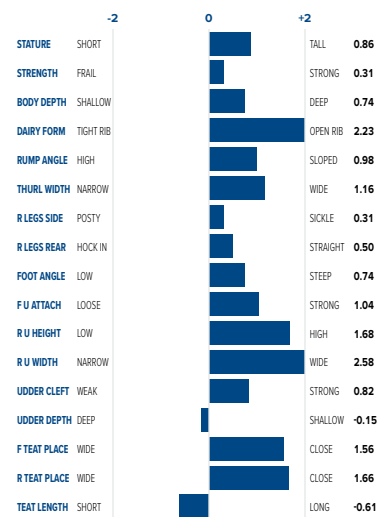
CRV HEALTH 3%					
HOOF HEALTH 97		UDDER HEALTH 101		FERTILITY 105	

CALVING TRAITS & FERTILITY							
DPR	-0.3	CCR	1.2	HCR	3.4	F. INDEX	0.5
EFC	2.8	G. LENGTH	-0.4	C. INTERVAL	99	BW	102
SCE	2.0	SSB	5.2	DCE	2.2	DSB	4.2

MILK ROBOT					
ROBOT INDEX	112	ROBOT EFFICIENCY	108	ROBOT INTERVAL	96

INDEX					
NM\$	1082	GTPI	3064	NVI	229
CM\$	1098	FM\$	961	GM\$	1055

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 78% REL							
PTAT	1.40	UDC	1.13	FLC	0.51	BWC	-0.37	LOC	96



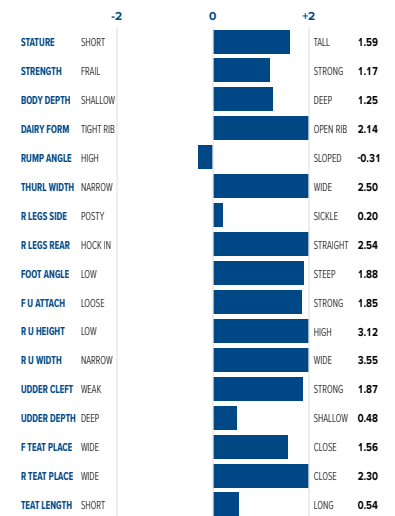
# 097HO42627 ORONO



ORONO  
**SIEMERS ORONO-ET**  
 ROZLINE X LAMBDA X DENVER  
 HO840003218556309  
 DOB: **02/08/2021**  
 aAa: **234165**  
 DMS: **456,246**  
**99%** RHA  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BE**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -

CRV EFFICIENCY 9%			
LONGEVITY 192		FEED EFFICIENCY 103	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>83%</b> REL	
MILK	1432	SCS	2.9
FAT	+87 +0.11%	PROTEIN	+66 +0.07%
MUN	0.60	METHANE	-
RFI	-112	FEED SAVED	1
<b>HEALTH TRAITS</b>			
PL	3.9	COW LIVABILITY	-1.2
MILK FEVER	-0.1	DAB	0.9
MAS (U.S.)	1.9	CL MASTITIS	99
METRITIS	0.6	RET PLACENTA	-0.3
TEMP	101	PERS	105

CRV HEALTH 2%					
HOOF HEALTH 103		UDDER HEALTH 100		FERTILITY 103	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-0.7	CCR	1.0	HCR	2.3
EFC	-0.6	G. LENGTH	0.5	C. INTERVAL	101
SCE	2.6	SSB	6.6	DCE	2.4
<b>MILK ROBOT</b>					
ROBOT INDEX	106	ROBOT EFFICIENCY	103	ROBOT INTERVAL	96
<b>INDEX</b>					
NM\$	859	GTPI	2983	NVI	192
CM\$	874	FM\$	748	GM\$	827
<b>CONFORMATION</b>					
PTAT	2.39	UDC	1.96	FLC	1.80



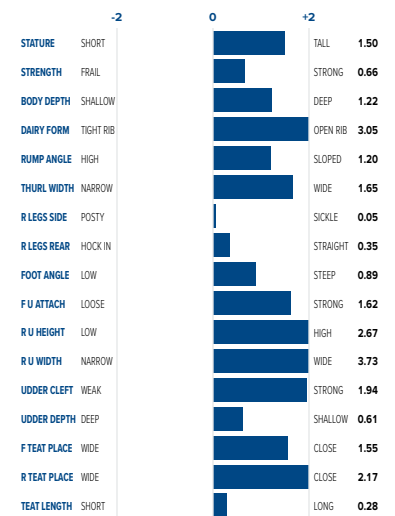
# 097HO42611 OVERHOT



OVERHOT  
**LADYS-MANOR OVERHOT-ET**  
 HIGHJUMP X BRASS X GRANITE  
 HO840003214324422  
 DOB: **11/27/2020**  
 aAa: **432516**  
 DMS: **345,234**  
**99%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -

CRV EFFICIENCY 8%			
LONGEVITY 43		FEED EFFICIENCY 105	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>82%</b> REL	
MILK	1606	SCS	2.75
FAT	+102 +0.14%	PROTEIN	+62 +0.04%
MUN	0.10	METHANE	-
RFI	66	FEED SAVED	-29
<b>HEALTH TRAITS</b>			
PL	3.6	COW LIVABILITY	-1.5
MILK FEVER	-0.2	DAB	0.1
MAS (U.S.)	2.8	CL MASTITIS	102
METRITIS	0.4	RET PLACENTA	-0.5
TEMP	101	PERS	107

CRV HEALTH 1%					
HOOF HEALTH 96		UDDER HEALTH 102		FERTILITY 103	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-1.4	CCR	-0.8	HCR	1.1
EFC	2.4	G. LENGTH	0.0	C. INTERVAL	99
SCE	2.2	SSB	5.3	DCE	1.9
<b>MILK ROBOT</b>					
ROBOT INDEX	102	ROBOT EFFICIENCY	101	ROBOT INTERVAL	96
<b>INDEX</b>					
NM\$	897	GTPI	2964	NVI	111
CM\$	910	FM\$	824	GM\$	846
<b>CONFORMATION</b>					
PTAT	2.02	UDC	1.91	FLC	0.27



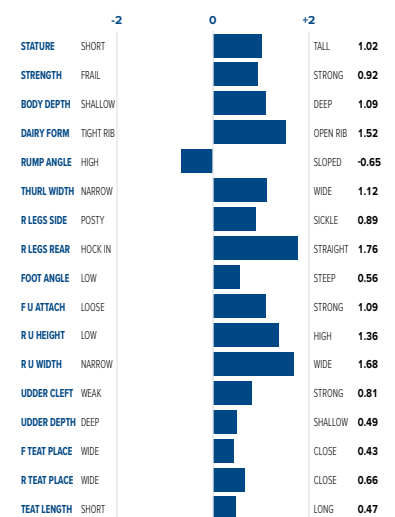
# 097HO42749 BASTION-P



BASTION-P  
**TTM TV BASTION-P-ET**  
 EXTRA-P X EISAKU X ACHIEVER  
 HO840003237494603  
 DOB: **06/10/2021**  
 aAa: **315246**  
 DMS: **126,561**  
**99%** RHA  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: **HPH**

CRV EFFICIENCY 15%			
LONGEVITY 451		FEED EFFICIENCY 108	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>81%</b> REL	
MILK	1184	SCS	2.95
FAT	+94 +0.17%	PROTEIN	+52 +0.05%
MUN	2.70	METHANE	-
RFI	-99	FEED SAVED	29
<b>HEALTH TRAITS</b>			
PL	4.6	COW LIVABILITY	0.9
MILK FEVER	0.1	DAB	0.3
MAS (U.S.)	0.4	CL MASTITIS	98
METRITIS	3.2	RET PLACENTA	0.9
TEMP	103	PERS	111

CRV HEALTH 1%					
HOOF HEALTH 101		UDDER HEALTH 99		FERTILITY 102	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-1.2	CCR	0.2	HCR	1.2
EFC	2.8	G. LENGTH	1.3	C. INTERVAL	101
SCE	2.2	SSB	6.5	DCE	1.8
<b>MILK ROBOT</b>					
ROBOT INDEX	102	ROBOT EFFICIENCY	102	ROBOT INTERVAL	98
<b>INDEX</b>					
NM\$	869	GTPI	2881	NVI	210
CM\$	879	FM\$	790	GM\$	799
<b>CONFORMATION</b>					
PTAT	1.83	UDC	0.92	FLC	1.58



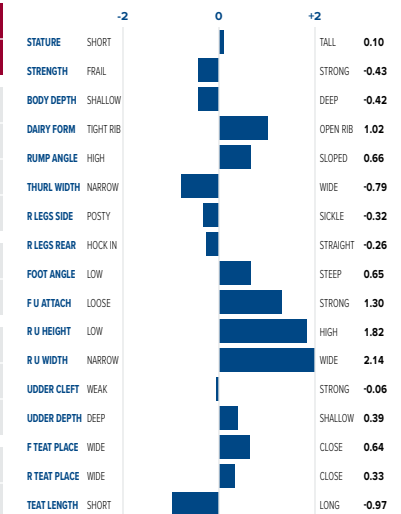
# 097HO42847 FRISSON



FRISSON  
**BOMAZ FRISSON-ET**  
 FUGLEMAN X ROME X MEDLEY  
 HO840003234522614  
 DOB: **03/10/2022**  
 aAa: **612453**  
 DMS: **561,456**  
**99%** RHA  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -

CRV EFFICIENCY 18%					
LONGEVITY 451		FEED EFFICIENCY 109			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>80%</b> REL			
MILK	<b>1174</b>	SCS	<b>2.63</b>	CFP	<b>185</b>
FAT+120	<b>+0.26%</b>	PROTEIN	<b>+65 +0.10%</b>	LACTOSE	<b>+50 +0.03%</b>
MUN	<b>-1.90</b>	METHANE	-	FEED SAVED	<b>138</b>
RFI	<b>4</b>				
<b>HEALTH TRAITS</b>					
PL	<b>4.6</b>	COW LIVABILITY	<b>0.8</b>	H. LIVABILITY	<b>0.5</b>
MILK FEVER	<b>0.1</b>	DAB	<b>0.2</b>	KETOSIS	<b>2.4</b>
MAS (U.S.)	<b>2.1</b>	CL MASTITIS	<b>103</b>	S-CL MASTITIS	<b>107</b>
METRITIS	<b>2.5</b>	RET PLACENTA	<b>0.4</b>	CALF SURVIVAL	<b>101</b>
TEMP	<b>101</b>	PERS	<b>109</b>	RES	<b>102</b>

CRV HEALTH 3%									
HOOF HEALTH 104		UDDER HEALTH 105		FERTILITY 100					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	<b>-2.0</b>	CCR	<b>-1.0</b>	HCR	<b>-1.1</b>	F. INDEX	<b>-1.5</b>		
EFC	<b>1.0</b>	G. LENGTH	<b>-2.6</b>	C. INTERVAL	<b>99</b>	BW	<b>100</b>		
SCE	<b>1.9</b>	SSB	<b>5.7</b>	DCE	<b>2.5</b>	DSB	<b>5.6</b>		
<b>MILK ROBOT</b>									
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>107</b>	ROBOT INTERVAL	<b>93</b>				
<b>INDEX</b>									
NM\$	<b>1070</b>	GTPI	<b>2997</b>	NVI	<b>254</b>				
CM\$	<b>1094</b>	FM\$	<b>919</b>	GM\$	<b>998</b>				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • <b>78%</b> REL				
PTAT	<b>0.89</b>	UDC	<b>1.25</b>	FLC	<b>0.20</b>	BWC	<b>-0.93</b>	LOC	<b>97</b>



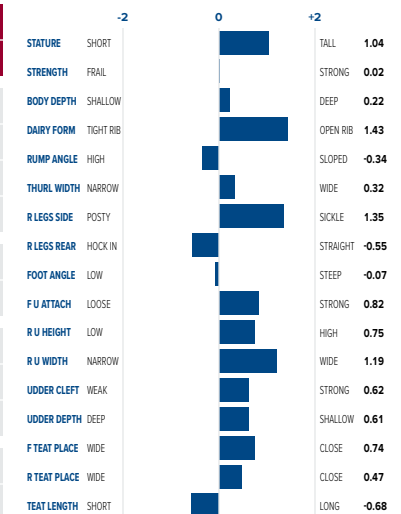
# 097HO42798 DYNORAMA



DYNORAMA  
**KINGS-RANSOM R DYNORAMA-ET**  
 RAYSHEN X LEGACY X HELIX  
 HO840003224437560  
 DOB: **05/09/2021**  
 aAa: **432516**  
 DMS: **561,135**  
**99%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -

CRV EFFICIENCY 13%					
LONGEVITY 411		FEED EFFICIENCY 106			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>82%</b> REL			
MILK	<b>1133</b>	SCS	<b>2.82</b>	CFP	<b>197</b>
FAT+124	<b>+0.28%</b>	PROTEIN	<b>+73 +0.13%</b>	LACTOSE	<b>+43 +0.02%</b>
MUN	-	METHANE	-	FEED SAVED	<b>56</b>
RFI	<b>-3</b>				
<b>HEALTH TRAITS</b>					
PL	<b>4.5</b>	COW LIVABILITY	<b>0.4</b>	H. LIVABILITY	<b>0.8</b>
MILK FEVER	<b>0.0</b>	DAB	<b>0.6</b>	KETOSIS	<b>1.8</b>
MAS (U.S.)	<b>0.1</b>	CL MASTITIS	<b>100</b>	S-CL MASTITIS	<b>104</b>
METRITIS	<b>1.2</b>	RET PLACENTA	<b>0.0</b>	CALF SURVIVAL	-
TEMP	<b>100</b>	PERS	<b>104</b>	RES	<b>103</b>

CRV HEALTH 4%									
HOOF HEALTH 105		UDDER HEALTH 102		FERTILITY 102					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	<b>-0.4</b>	CCR	<b>0.9</b>	HCR	<b>0.7</b>	F. INDEX	<b>0.3</b>		
EFC	<b>4.5</b>	G. LENGTH	<b>-2.1</b>	C. INTERVAL	<b>101</b>	BW	-		
SCE	<b>2.5</b>	SSB	<b>5.8</b>	DCE	<b>2.2</b>	DSB	<b>4.5</b>		
<b>MILK ROBOT</b>									
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>106</b>	ROBOT INTERVAL	<b>101</b>				
<b>INDEX</b>									
NM\$	<b>1097</b>	GTPI	<b>3022</b>	NVI	<b>210</b>				
CM\$	<b>1122</b>	FM\$	<b>909</b>	GM\$	<b>1064</b>				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • <b>80%</b> REL				
PTAT	<b>0.66</b>	UDC	<b>0.59</b>	FLC	<b>-0.51</b>	BWC	<b>-0.35</b>	LOC	<b>95</b>



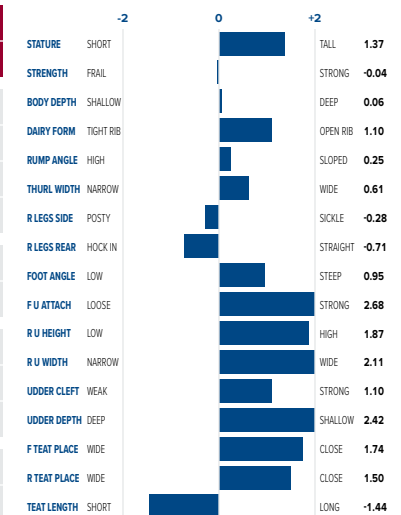
# 097HO42625 GUAM



GUAM  
**WELCOME-TEL GUAM-ET**  
 MOONSHINER X LEGACY X LEGENDARY  
 HO840003214541194  
 DOB: **02/06/2021**  
 aAa: **234156**  
 DMS: **123,135**  
**99%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AA**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -

CRV EFFICIENCY 13%					
LONGEVITY 453		FEED EFFICIENCY 107			
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>82%</b> REL			
MILK	<b>1106</b>	SCS	<b>2.73</b>	CFP	<b>141</b>
FAT +84	<b>+0.14%</b>	PROTEIN	<b>+57 +0.08%</b>	LACTOSE	<b>+46 +0.03%</b>
MUN	<b>1.60</b>	METHANE	-	FEED SAVED	<b>-29</b>
RFI	<b>48</b>				
<b>HEALTH TRAITS</b>					
PL	<b>5.9</b>	COW LIVABILITY	<b>0.9</b>	H. LIVABILITY	<b>0.6</b>
MILK FEVER	<b>0.1</b>	DAB	<b>0.7</b>	KETOSIS	<b>2.3</b>
MAS (U.S.)	<b>1.4</b>	CL MASTITIS	<b>101</b>	S-CL MASTITIS	<b>104</b>
METRITIS	<b>1.7</b>	RET PLACENTA	<b>0.2</b>	CALF SURVIVAL	<b>103</b>
TEMP	<b>103</b>	PERS	<b>107</b>	RES	<b>99</b>

CRV HEALTH 5%									
HOOF HEALTH 101		UDDER HEALTH 103		FERTILITY 107					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	<b>0.0</b>	CCR	<b>1.6</b>	HCR	<b>3.1</b>	F. INDEX	<b>1.1</b>		
EFC	<b>5.8</b>	G. LENGTH	<b>-0.7</b>	C. INTERVAL	<b>104</b>	BW	<b>99</b>		
SCE	<b>1.9</b>	SSB	<b>5.4</b>	DCE	<b>2.2</b>	DSB	<b>3.4</b>		
<b>MILK ROBOT</b>									
ROBOT INDEX	<b>104</b>	ROBOT EFFICIENCY	<b>105</b>	ROBOT INTERVAL	<b>98</b>				
<b>INDEX</b>									
NM\$	<b>939</b>	GTPI	<b>2959</b>	NVI	<b>227</b>				
CM\$	<b>958</b>	FM\$	<b>819</b>	GM\$	<b>883</b>				
<b>CONFORMATION</b>					DAUGHTERS 0 • HERDS 0 • <b>81%</b> REL				
PTAT	<b>1.76</b>	UDC	<b>1.84</b>	FLC	<b>-0.31</b>	BWC	<b>-0.12</b>	LOC	<b>97</b>



# 097HO42697 HOMELAND



HOMELAND

## PEAK HOMELAND-ET

WHEELHOUSE X  
ALTAZAZZLE X  
ALTAEXPLOSION

HO840003224928422

DOB: 04/25/2021

aAa: 324156

DMS: 123,135

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: AA

LACTOGLOBULIN: AA

HAPLOTYPES: -

CRV EFFICIENCY 8%	
LONGEVITY 41	FEED EFFICIENCY -

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 81% REL			
MILK	1486	SCS	2.91	CFP	177
FAT+122	+0.22%	PROTEIN +55	+0.03%	LACTOSE +53	+0.00%
MUN	-	METHANE	-	FEED SAVED	-41
RFI	-69				

HEALTH TRAITS					
PL	3.9	COW LIVABILITY	1.0	H. LIVABILITY	0.3
MILK FEVER	0.0	DAB	1.0	KETOSIS	1.7
MAS (U.S.)	0.5	CL MASTITIS	97	S-CL MASTITIS	97
METRITIS	1.8	RET PLACENTA	0.4	CALF SURVIVAL	-
TEMP	102	PERS	-	RES	-

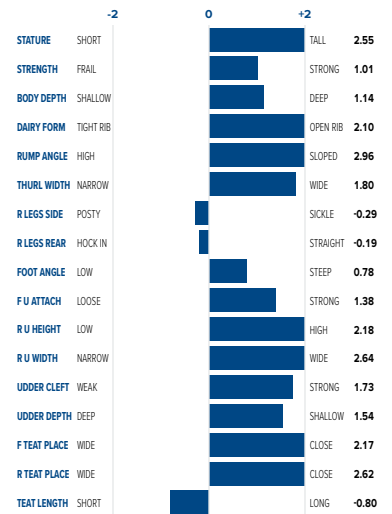
CRV HEALTH 0%		
HOOF HEALTH -	UDDER HEALTH 97	FERTILITY 102

CALVING TRAITS & FERTILITY							
DPR	-1.4	CCR	0.2	HCR	2.6	F. INDEX	-0.4
EFC	3.2	G. LENGTH	-0.6	C. INTERVAL	100	BW	-
SCE	2.9	SSB	6.5	DCE	1.9	DSB	5.4

MILK ROBOT			
ROBOT INDEX	103	ROBOT EFFICIENCY 104	ROBOT INTERVAL 100

INDEX					
NM\$	947	GTPI	2950	NVI	-
CM\$	955	FM\$	896	GM\$	891

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 81% REL							
PTAT	1.27	UDC	1.44	FLC	-0.32	BWC	0.72	LOC	92



# 097HO42629 MR XIN



MR XIN

## PINE-TREE MR XIN-ET

ALONSO X MARIUS  
X HELIX

HO840003213241968

DOB: 02/24/2021

aAa: 354162

DMS: 345,135

99% RHA

BETA CASEIN: A2A2

KAPPA CASEIN: AB

LACTOGLOBULIN: AB

HAPLOTYPES: -

CRV EFFICIENCY 9%	
LONGEVITY 152	FEED EFFICIENCY 104

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	1467	SCS	2.94	CFP	207
FAT+133	+0.26%	PROTEIN +74	+0.10%	LACTOSE +57	0.00%
MUN	2.50	METHANE	-	FEED SAVED	-151
RFI	35				

HEALTH TRAITS					
PL	2.5	COW LIVABILITY	-1.0	H. LIVABILITY	1.1
MILK FEVER	0.0	DAB	0.4	KETOSIS	1.7
MAS (U.S.)	-0.1	CL MASTITIS	98	S-CL MASTITIS	102
METRITIS	1.9	RET PLACENTA	-0.4	CALF SURVIVAL	102
TEMP	104	PERS	108	RES	101

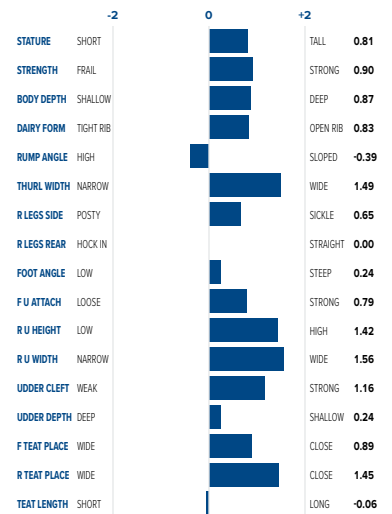
CRV HEALTH 1%		
HOOF HEALTH 98	UDDER HEALTH 100	FERTILITY 101

CALVING TRAITS & FERTILITY							
DPR	-2.7	CCR	-1.9	HCR	-0.8	F. INDEX	-1.7
EFC	4.5	G. LENGTH	-1.9	C. INTERVAL	100	BW	103
SCE	2.1	SSB	5.7	DCE	1.7	DSB	4.4

MILK ROBOT			
ROBOT INDEX	109	ROBOT EFFICIENCY 110	ROBOT INTERVAL 92

INDEX					
NM\$	966	GTPI	2979	NVI	163
CM\$	984	FM\$	824	GM\$	891

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 80% REL							
PTAT	1.17	UDC	0.93	FLC	-0.03	BWC	0.77	LOC	98



# 097HO42752 GALLIVANT



GALLIVANT

## KINGS-RANSOM

## GALLIVANT-ET

EXPECTANT X PURSUIT  
X HELIX

HO840003224239380

DOB: 06/24/2021

aAa: 432615

DMS: 561,456

99% RHA

BETA CASEIN: A1A2

KAPPA CASEIN: AB

LACTOGLOBULIN: AB

HAPLOTYPES: -

CRV EFFICIENCY 15%	
LONGEVITY 712	FEED EFFICIENCY 107

PRODUCTION		DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	1516	SCS	2.75	CFP	126
FAT +79	+0.07%	PROTEIN +47	+0.00%	LACTOSE +81	-0.02%
MUN	-1.50	METHANE	-	FEED SAVED	98
RFI	-105				

HEALTH TRAITS					
PL	6.1	COW LIVABILITY	1.5	H. LIVABILITY	0.6
MILK FEVER	-0.1	DAB	0.7	KETOSIS	0.6
MAS (U.S.)	2.2	CL MASTITIS	103	S-CL MASTITIS	104
METRITIS	1.4	RET PLACENTA	0.0	CALF SURVIVAL	104
TEMP	99	PERS	102	RES	98

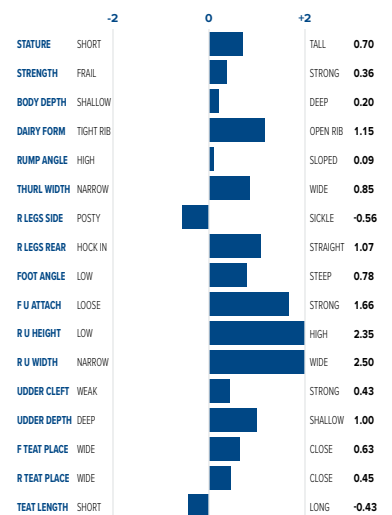
CRV HEALTH 3%		
HOOF HEALTH 100	UDDER HEALTH 104	FERTILITY 105

CALVING TRAITS & FERTILITY							
DPR	-0.5	CCR	0.9	HCR	3.1	F. INDEX	0.6
EFC	5.8	G. LENGTH	-0.8	C. INTERVAL	102	BW	101
SCE	2.2	SSB	6.3	DCE	1.7	DSB	3.8

MILK ROBOT			
ROBOT INDEX	107	ROBOT EFFICIENCY 110	ROBOT INTERVAL 97

INDEX					
NM\$	909	GTPI	2907	NVI	255
CM\$	914	FM\$	893	GM\$	836

CONFORMATION		DAUGHTERS 0 • HERDS 0 • 80% REL							
PTAT	1.91	UDC	1.62	FLC	0.89	BWC	0.04	LOC	102





# 097HO42746 ASGARDIAN

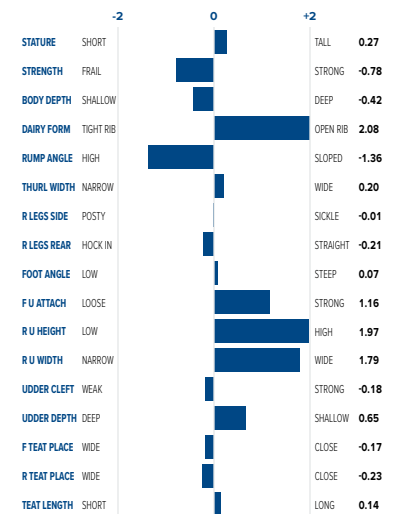


ASGARDIAN

**BLUMENFELD ASGARDIAN-ET**  
 JANGLE X ESCALATE X IMAX  
 HO840003232439412  
 DOB: **05/07/2021**  
 aAa: **243615**  
 DMS: **126,561**  
**99%** RHA  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -

CRV EFFICIENCY 22%			
LONGEVITY <b>464</b>		FEED EFFICIENCY <b>113</b>	
PRODUCTION DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	<b>2058</b>	SCS	<b>2.81</b>
C.F.P.	<b>121</b>	LACTOSE	<b>+119 +0.04%</b>
FAT	<b>+66 -0.04%</b>	PROTEIN	<b>+55 -0.03%</b>
LACTOSE	<b>+119 +0.04%</b>	MUN	<b>-0.70</b>
METHANE	-	FEED SAVED	<b>304</b>
RFI	<b>-80</b>		
HEALTH TRAITS			
PL	<b>7.0</b>	COW LIVABILITY	<b>2.2</b>
H. LIVABILITY	<b>0.5</b>	MILK FEVER	<b>0.1</b>
DAB	<b>0.8</b>	KETOSIS	<b>1.6</b>
MAS (U.S.)	<b>1.0</b>	CL MASTITIS	<b>101</b>
S-CL MASTITIS	<b>103</b>	METRITIS	<b>1.1</b>
RET PLACENTA	<b>-0.4</b>	CALF SURVIVAL	<b>102</b>
TEMP	<b>100</b>	PERS	<b>107</b>
RES	<b>97</b>		

CRV HEALTH 2%			
HOOF HEALTH <b>102</b>		UDDER HEALTH <b>102</b>	
FERTILITY <b>104</b>			
CALVING TRAITS & FERTILITY			
DPR	<b>-0.5</b>	CCR	<b>2.4</b>
HCR	<b>2.9</b>	F. INDEX	<b>0.6</b>
EFC	<b>4.3</b>	G. LENGTH	<b>-2.0</b>
C. INTERVAL	<b>99</b>	BW	<b>101</b>
SCE	<b>1.6</b>	SSB	<b>5.2</b>
DCE	<b>2.2</b>	DSB	<b>3.9</b>
MILK ROBOT			
ROBOT INDEX	<b>107</b>	ROBOT EFFICIENCY	<b>110</b>
ROBOT INTERVAL	<b>96</b>		
INDEX			
NM\$	<b>977</b>	GTPI	<b>2814</b>
NVI	<b>261</b>	CM\$	<b>977</b>
FM\$	<b>1002</b>	GM\$	<b>907</b>
CONFORMATION DAUGHTERS 0 • HERDS 0 • 80% REL			
PTAT	<b>0.85</b>	UDC	<b>1.18</b>
FLC	<b>-0.19</b>	BWC	<b>-1.48</b>
LOC	<b>96</b>		



# 097HO42914 SHAMAN

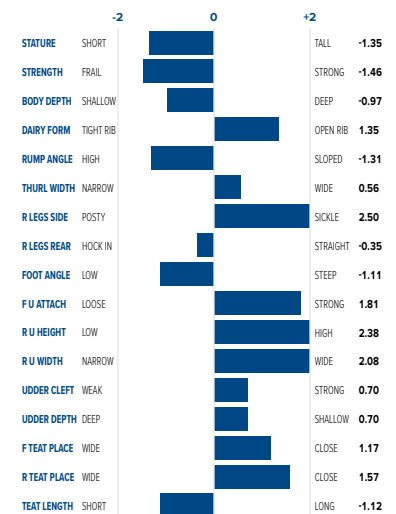


SHAMAN

**T-SPRUCE SHAMAN-ET**  
 FROST BITE X CONWAY X WORTH  
 HO840003247982055  
 DOB: **07/26/2022**  
 aAa: **423651**  
 DMS: **135,345**  
**99%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -

CRV EFFICIENCY 27%			
LONGEVITY <b>648</b>		FEED EFFICIENCY <b>117</b>	
PRODUCTION DAUGHTERS 0 • HERDS 0 • 79% REL			
MILK	<b>1750</b>	SCS	<b>2.71</b>
C.F.P.	<b>156</b>	LACTOSE	<b>+99 +0.04%</b>
FAT	<b>+97 +0.10%</b>	PROTEIN	<b>+59 +0.02%</b>
LACTOSE	<b>+99 +0.04%</b>	MUN	<b>0.20</b>
METHANE	-	FEED SAVED	<b>416</b>
RFI	<b>-116</b>		
HEALTH TRAITS			
PL	<b>5.8</b>	COW LIVABILITY	<b>0.9</b>
H. LIVABILITY	<b>1.2</b>	MILK FEVER	<b>-0.2</b>
DAB	<b>0.6</b>	KETOSIS	<b>1.9</b>
MAS (U.S.)	<b>3.4</b>	CL MASTITIS	<b>105</b>
S-CL MASTITIS	<b>110</b>	METRITIS	<b>1.1</b>
RET PLACENTA	<b>-0.8</b>	CALF SURVIVAL	<b>104</b>
TEMP	<b>101</b>	PERS	<b>111</b>
RES	<b>102</b>		

CRV HEALTH 2%			
HOOF HEALTH <b>99</b>		UDDER HEALTH <b>108</b>	
FERTILITY <b>102</b>			
CALVING TRAITS & FERTILITY			
DPR	<b>-1.9</b>	CCR	<b>0.0</b>
HCR	<b>2.4</b>	F. INDEX	<b>-0.6</b>
EFC	<b>5.0</b>	G. LENGTH	<b>-0.6</b>
C. INTERVAL	<b>97</b>	BW	<b>100</b>
SCE	<b>1.5</b>	SSB	<b>5.9</b>
DCE	<b>2.1</b>	DSB	<b>5.2</b>
MILK ROBOT			
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>106</b>
ROBOT INTERVAL	<b>98</b>		
INDEX			
NM\$	<b>1102</b>	GTPI	<b>2987</b>
NVI	<b>304</b>	CM\$	<b>1111</b>
FM\$	<b>1062</b>	GM\$	<b>1031</b>
CONFORMATION DAUGHTERS 0 • HERDS 0 • 78% REL			
PTAT	<b>1.29</b>	UDC	<b>2.0</b>
FLC	<b>0.22</b>	BWC	<b>-1.98</b>
LOC	<b>97</b>		



# 097HO42628 TICTOC

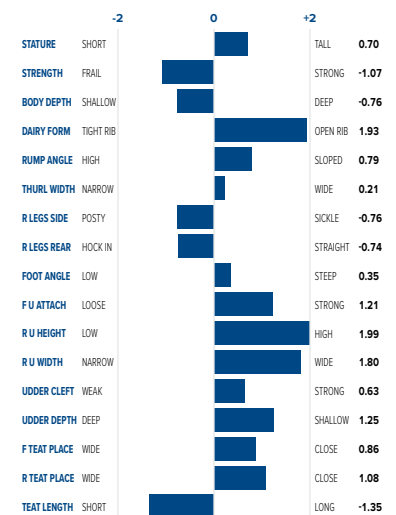


TICTOC

**SIEMERS TICTOC-ET**  
 ALPHABET X LIONEL X DELTA  
 HO840003218556335  
 DOB: **02/13/2021**  
 aAa: **423651**  
 DMS: **234,345**  
**99%** RHA  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -

CRV EFFICIENCY 14%			
LONGEVITY <b>133</b>		FEED EFFICIENCY <b>109</b>	
PRODUCTION DAUGHTERS 0 • HERDS 0 • 82% REL			
MILK	<b>1976</b>	SCS	<b>3.00</b>
C.F.P.	<b>192</b>	LACTOSE	<b>+74 +0.03%</b>
FAT	<b>+124 +0.16%</b>	PROTEIN	<b>+68 +0.02%</b>
LACTOSE	<b>+74 +0.03%</b>	MUN	-
METHANE	-	FEED SAVED	<b>275</b>
RFI	<b>-42</b>		
HEALTH TRAITS			
PL	<b>3.5</b>	COW LIVABILITY	<b>-1.0</b>
H. LIVABILITY	<b>0.7</b>	MILK FEVER	<b>0.1</b>
DAB	<b>0.8</b>	KETOSIS	<b>1.7</b>
MAS (U.S.)	<b>0.3</b>	CL MASTITIS	<b>98</b>
S-CL MASTITIS	<b>98</b>	METRITIS	<b>0.6</b>
RET PLACENTA	<b>-0.7</b>	CALF SURVIVAL	-
TEMP	<b>100</b>	PERS	<b>102</b>
RES	<b>98</b>		

CRV HEALTH 0%			
HOOF HEALTH <b>99</b>		UDDER HEALTH <b>98</b>	
FERTILITY <b>100</b>			
CALVING TRAITS & FERTILITY			
DPR	<b>-2.1</b>	CCR	<b>-1.1</b>
HCR	<b>1.1</b>	F. INDEX	<b>-1.1</b>
EFC	<b>3.9</b>	G. LENGTH	<b>-2.8</b>
C. INTERVAL	<b>100</b>	BW	<b>99</b>
SCE	<b>2.3</b>	SSB	<b>6.1</b>
DCE	<b>2.3</b>	DSB	<b>5.3</b>
MILK ROBOT			
ROBOT INDEX	<b>107</b>	ROBOT EFFICIENCY	<b>108</b>
ROBOT INTERVAL	<b>98</b>		
INDEX			
NM\$	<b>1058</b>	GTPI	<b>2958</b>
NVI	<b>155</b>	CM\$	<b>1063</b>
FM\$	<b>1017</b>	GM\$	<b>1016</b>
CONFORMATION DAUGHTERS 0 • HERDS 0 • 81% REL			
PTAT	<b>1.12</b>	UDC	<b>1.34</b>
FLC	<b>-0.63</b>	BWC	<b>-1.54</b>
LOC	<b>97</b>		



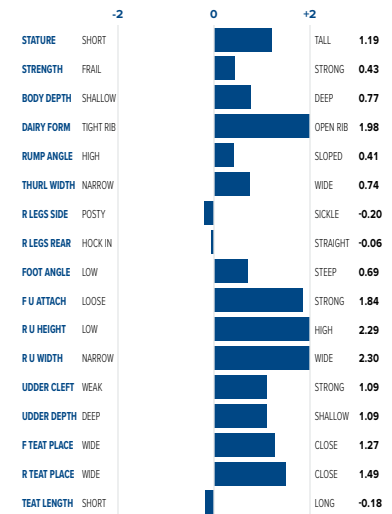
# 097HO42585 ZURI



ZURI  
**TERRA-CALROY ZURI-ET**  
 ALTAZAZZLE X TAHITI X YODER  
 HO840003215568846  
 DOB: **10/18/2020**  
 aAa: **234165**  
 DMS: **135,345**  
**99%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -

CRV EFFICIENCY 11%			
LONGEVITY 118		FEED EFFICIENCY 106	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>82%</b> REL	
MILK	<b>1060</b>	SCS	<b>2.93</b>
FAT+123	<b>+0.28%</b>	PROTEIN +59	<b>+0.09%</b>
MUN	-	METHANE	-
RFI	<b>-2</b>	FEED SAVED	<b>26</b>
<b>HEALTH TRAITS</b>			
PL	<b>2.9</b>	COW LIVABILITY	<b>-0.7</b>
MILK FEVER	<b>-0.1</b>	DAB	<b>0.1</b>
MAS (U.S.)	<b>1.5</b>	CL MASTITIS	<b>101</b>
METRITIS	<b>2.8</b>	RET PLACENTA	<b>0.4</b>
TEMP	<b>104</b>	PERS	<b>103</b>

CRV HEALTH 2%					
HOOF HEALTH 98		UDDER HEALTH 102		FERTILITY 100	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	<b>-1.9</b>	CCR	<b>-0.4</b>	HCR	<b>0.9</b>
EFC	<b>4.2</b>	G. LENGTH	<b>-2.5</b>	C. INTERVAL	<b>99</b>
SCE	<b>1.6</b>	SSB	<b>5.0</b>	DCE	<b>1.5</b>
<b>MILK ROBOT</b>					
ROBOT INDEX	<b>112</b>	ROBOT EFFICIENCY	<b>114</b>	ROBOT INTERVAL	<b>92</b>
<b>INDEX</b>					
NM\$	<b>963</b>	GTPI	<b>2992</b>	NVI	<b>155</b>
CM\$	<b>980</b>	FM\$	<b>834</b>	GM\$	<b>920</b>
<b>CONFORMATION</b>					
PTAT	<b>1.80</b>	UDC	<b>1.64</b>	FLC	<b>0.26</b>



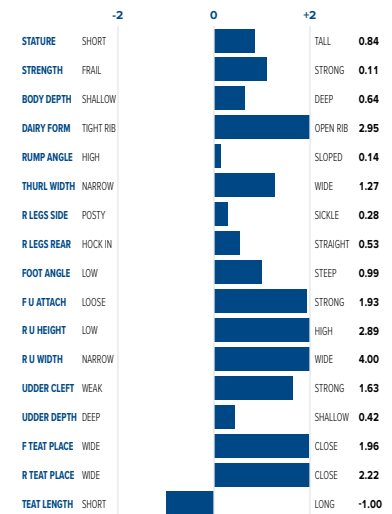
# 097HO42608 MR WU



MR WU  
**LADYS-MANOR MR WU-ET**  
 HIGHJUMP X GRANITE X MILINGTON  
 HO840003214324412  
 DOB: **11/14/2020**  
 aAa: **432615**  
 DMS: **234,246**  
**99%** RHA  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **BB**  
 HAPLOTYPES: -

CRV EFFICIENCY 12%			
LONGEVITY 128		FEED EFFICIENCY 106	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>82%</b> REL	
MILK	<b>1607</b>	SCS	<b>2.86</b>
FAT +108	<b>+0.16%</b>	PROTEIN +69	<b>+0.06%</b>
MUN	<b>2.20</b>	METHANE	-
RFI	<b>-8</b>	FEED SAVED	<b>137</b>
<b>HEALTH TRAITS</b>			
PL	<b>3.4</b>	COW LIVABILITY	<b>-0.5</b>
MILK FEVER	<b>0.0</b>	DAB	<b>0.7</b>
MAS (U.S.)	<b>1.1</b>	CL MASTITIS	<b>100</b>
METRITIS	<b>1.1</b>	RET PLACENTA	<b>0.1</b>
TEMP	<b>100</b>	PERS	<b>106</b>

CRV HEALTH -2%					
HOOF HEALTH 91		UDDER HEALTH 100		FERTILITY 102	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	<b>-1.7</b>	CCR	<b>-1.2</b>	HCR	<b>1.1</b>
EFC	<b>2.2</b>	G. LENGTH	<b>0.7</b>	C. INTERVAL	<b>98</b>
SCE	<b>2.2</b>	SSB	<b>5.8</b>	DCE	<b>2.0</b>
<b>MILK ROBOT</b>					
ROBOT INDEX	<b>105</b>	ROBOT EFFICIENCY	<b>105</b>	ROBOT INTERVAL	<b>93</b>
<b>INDEX</b>					
NM\$	<b>1001</b>	GTPI	<b>3037</b>	NVI	<b>124</b>
CM\$	<b>1015</b>	FM\$	<b>899</b>	GM\$	<b>959</b>
<b>CONFORMATION</b>					
PTAT	<b>2.00</b>	UDC	<b>2.14</b>	FLC	<b>0.59</b>



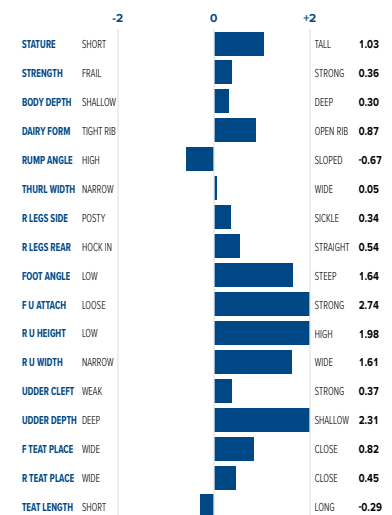
# 097HO42973 HOLYMOLY



HOLYMOLY  
**PEAK HOLYMOLY-ET**  
 HOLYSMOKES X BIG AL X REASON  
 HO840003250026111  
 DOB: **08/19/2022**  
 aAa: **432561**  
 DMS: **126,561**  
**99%** RHA  
 BETA CASEIN: **A1A1**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 HAPLOTYPES: -

CRV EFFICIENCY 14%			
LONGEVITY 518		FEED EFFICIENCY 107	
<b>PRODUCTION</b>		DAUGHTERS 0 • HERDS 0 • <b>79%</b> REL	
MILK	<b>1391</b>	SCS	<b>2.57</b>
FAT +99	<b>+0.15%</b>	PROTEIN +58	<b>+0.05%</b>
MUN	<b>1.20</b>	METHANE	-
RFI	<b>-109</b>	FEED SAVED	<b>90</b>
<b>HEALTH TRAITS</b>			
PL	<b>6.3</b>	COW LIVABILITY	<b>1.3</b>
MILK FEVER	<b>0.1</b>	DAB	<b>0.3</b>
MAS (U.S.)	<b>4.2</b>	CL MASTITIS	<b>105</b>
METRITIS	<b>1.3</b>	RET PLACENTA	<b>0.4</b>
TEMP	<b>102</b>	PERS	<b>110</b>

CRV HEALTH 2%					
HOOF HEALTH 96		UDDER HEALTH 107		FERTILITY 104	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	<b>0.1</b>	CCR	<b>1.5</b>	HCR	<b>0.7</b>
EFC	<b>6.8</b>	G. LENGTH	<b>-1.2</b>	C. INTERVAL	<b>102</b>
SCE	<b>2.3</b>	SSB	<b>5.9</b>	DCE	<b>2.4</b>
<b>MILK ROBOT</b>					
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>108</b>	ROBOT INTERVAL	<b>93</b>
<b>INDEX</b>					
NM\$	<b>1069</b>	GTPI	<b>3089</b>	NVI	<b>234</b>
CM\$	<b>1086</b>	FM\$	<b>979</b>	GM\$	<b>1014</b>
<b>CONFORMATION</b>					
PTAT	<b>1.81</b>	UDC	<b>1.77</b>	FLC	<b>0.74</b>



# 097HO42234 MORANT



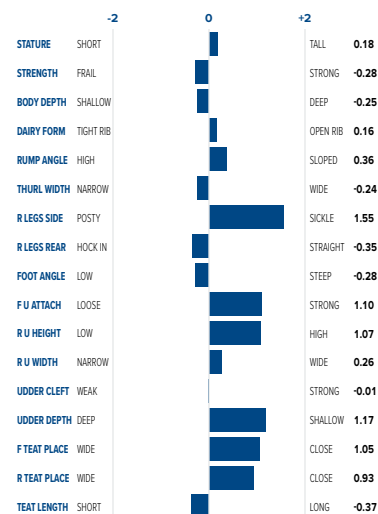
PEAK MORANT-ET, DAM

**PEAK MORANT-ET**  
 ALTAMONTOYA X  
 MODESTY X JABIR  
 HO840003149335089  
 DOB: **06/19/2018**  
 aAa: **243156**  
 DMS: **456,561**  
**99%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: **HH5**

CRV EFFICIENCY 15%					
LONGEVITY 172			FEED EFFICIENCY 109		
<b>PRODUCTION</b> DAUGHTERS 1952 • HERDS 140 • 97% REL					
MILK	1051	SCS	2.85	CFP	159
FAT	+99 +0.20%	PROTEIN	+60 +0.09%	LACTOSE	+26 -0.01%
MUN	1.60	METHANE	-	FEED SAVED	126
RFI	-81				
<b>HEALTH TRAITS</b>					
PL	3.9	COW LIVABILITY	3.0	H. LIVABILITY	1.1
MILK FEVER	-0.1	DAB	0.9	KETOSIS	1.8
MAS (U.S.)	1.3	CL MASTITIS	98	S-CL MASTITIS	99
METRITIS	1.8	RET PLACENTA	0.3	CALF SURVIVAL	103
TEMP	105	PERS	106	RES	102

## PROVEN

CRV HEALTH 1%					
HOOF HEALTH 102		UDDER HEALTH 98		FERTILITY 98	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-2.9	CCR	-1.8	HCR	-0.8
F. INDEX	-2.1	F. INDEX	-2.1	F. INDEX	-2.1
EFC	1.8	G. LENGTH	-1.2	C. INTERVAL	95
BW	101	BW	101	BW	101
SCE	1.9	SSB	4.8	DCE	2.0
DSB	4.9	DSB	4.9	DSB	4.9
<b>MILK ROBOT</b>					
ROBOT INDEX	111	ROBOT EFFICIENCY	108	ROBOT INTERVAL	96
<b>INDEX</b>					
NM\$	932	GTPI	2810	NVI	149
CM\$	951	FM\$	794	GM\$	832
<b>CONFORMATION</b> DAUGHTERS 1040 • HERDS 79 • 92% REL					
PTAT	0.59	UDC	0.86	FLC	0.06
BWC	-0.30	LOC	95	LOC	95



# 097HO42757 STAR 2409



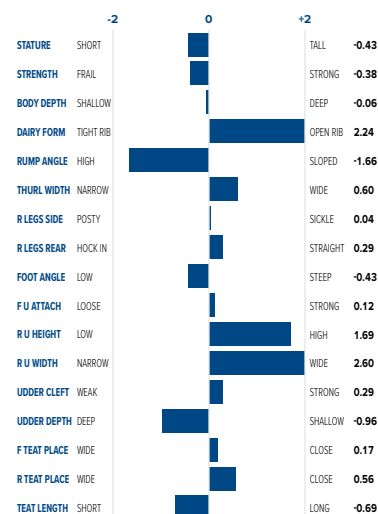
STAR 2409

**WINSTAR 2409-ET**  
 LIONEL X JEDI X  
 CABRIOLET  
 HO840003206709158  
 DOB: **04/06/2019**  
 aAa: **321465**  
 DMS: **345,456**  
**98%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AA**  
 LACTOGLOBULIN: **AB**  
 HAPLOTYPES: -

CRV EFFICIENCY 20%					
LONGEVITY 412			FEED EFFICIENCY 112		
<b>PRODUCTION</b> DAUGHTERS 156 • HERDS 8 • 94% REL					
MILK	2630	SCS	2.93	CFP	187
FAT	+111 +0.03%	PROTEIN	+76 -0.02%	LACTOSE	+98 0.03%
MUN	-	METHANE	-	FEED SAVED	234
RFI	-33				
<b>HEALTH TRAITS</b>					
PL	4.0	COW LIVABILITY	-0.4	H. LIVABILITY	1.0
MILK FEVER	-0.1	DAB	0.7	KETOSIS	1.4
MAS (U.S.)	-0.8	CL MASTITIS	100	S-CL MASTITIS	102
METRITIS	0.8	RET PLACENTA	-0.1	CALF SURVIVAL	103
TEMP	101	PERS	106	RES	100

## PROVEN

CRV HEALTH 1%					
HOOF HEALTH 98		UDDER HEALTH 101		FERTILITY 103	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-2.6	CCR	-0.1	HCR	2.6
F. INDEX	-1.2	F. INDEX	-1.2	F. INDEX	-1.2
EFC	3.4	G. LENGTH	-0.3	C. INTERVAL	100
BW	-	BW	-	BW	-
SCE	1.8	SSB	5.8	DCE	2.3
DSB	5.7	DSB	5.7	DSB	5.7
<b>MILK ROBOT</b>					
ROBOT INDEX	102	ROBOT EFFICIENCY	105	ROBOT INTERVAL	98
<b>INDEX</b>					
NM\$	1053	GTPI	2959	NVI	213
CM\$	1052	FM\$	1064	GM\$	990
<b>CONFORMATION</b> DAUGHTERS 41 • HERDS 2 • 83% REL					
PTAT	1.11	UDC	0.95	FLC	0.40
BWC	-1.33	LOC	96	LOC	96



# 097HO42464 INTRICATE



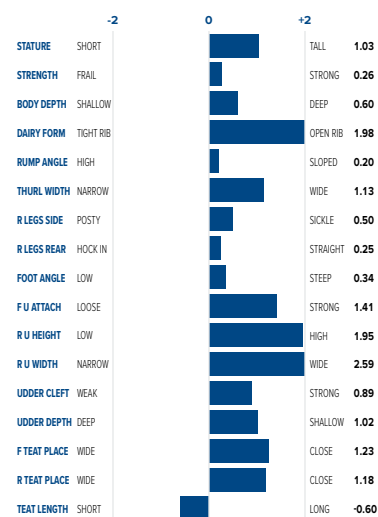
INTRICATE

**PROGENESIS INTRICATE-ET**  
 PURSUIT X ACHIEVER  
 X DELTA  
 HOCAN000013567606  
 DOB: **11/12/2019**  
 aAa: **342156**  
 DMS: **234,123**  
**99%** RHA  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **BB**  
 HAPLOTYPES: -

CRV EFFICIENCY 7%					
LONGEVITY 8			FEED EFFICIENCY 104		
<b>PRODUCTION</b> DAUGHTERS 362 • HERDS 23 • 97% REL					
MILK	1003	SCS	2.79	CFP	131
FAT	+89 +0.17%	PROTEIN	+42 +0.04%	LACTOSE	+11 -0.10%
MUN	2.80	METHANE	-	FEED SAVED	132
RFI	-92				
<b>HEALTH TRAITS</b>					
PL	4.9	COW LIVABILITY	0.7	H. LIVABILITY	0.4
MILK FEVER	-0.1	DAB	0.6	KETOSIS	1.5
MAS (U.S.)	1.1	CL MASTITIS	101	S-CL MASTITIS	103
METRITIS	1.6	RET PLACENTA	0.4	CALF SURVIVAL	101
TEMP	107	PERS	97	RES	94

## PROVEN

CRV HEALTH 4%					
HOOF HEALTH 102		UDDER HEALTH 102		FERTILITY 104	
<b>CALVING TRAITS &amp; FERTILITY</b>					
DPR	-0.6	CCR	0.9	HCR	2.8
F. INDEX	0.3	F. INDEX	0.3	F. INDEX	0.3
EFC	3.6	G. LENGTH	-2.5	C. INTERVAL	102
BW	99	BW	99	BW	99
SCE	1.7	SSB	5.7	DCE	1.1
DSB	3.4	DSB	3.4	DSB	3.4
<b>MILK ROBOT</b>					
ROBOT INDEX	106	ROBOT EFFICIENCY	107	ROBOT INTERVAL	94
<b>INDEX</b>					
NM\$	881	GTPI	2853	NVI	129
CM\$	892	FM\$	818	GM\$	832
<b>CONFORMATION</b> DAUGHTERS 53 • HERDS 6 • 88% REL					
PTAT	1.61	UDC	1.50	FLC	0.25
BWC	-0.27	LOC	98	LOC	98



# 097HO42424 UPSWING



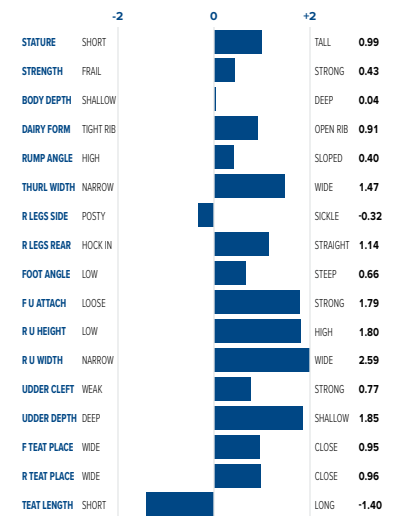
UPSWING

**PEAK UPSWING-ET**  
PURSUIT X DUKE X RUBICON  
HO840003209641351  
DOB: **08/31/2019**  
aAa: **243561**  
DMS: **345,135**  
**99%** RHA  
BETA CASEIN: **A2A2**  
KAPPA CASEIN: **AA**  
LACTOGLOBULIN: **AA**  
HAPLOTYPES: -

CRV EFFICIENCY 9%					
LONGEVITY 397		FEED EFFICIENCY 103			
<b>PRODUCTION</b> DAUGHTERS 307 • HERDS 30 • 96% REL					
MILK	365	SCS	2.86	CFP	144
FAT+104	+0.32%	PROTEIN +40	+0.10%	LACTOSE +12	-0.02%
MUN	-	METHANE	-	FEED SAVED	118
RFI	-175				
<b>HEALTH TRAITS</b>					
PL	4.9	COW LIVABILITY	0.6	H. LIVABILITY	0.6
MILK FEVER	0.0	DAB	0.9	KETOSIS	1.9
MAS (U.S.)	2.2	CL MASTITIS	100	S-CL MASTITIS	101
METRITIS	0.7	RET PLACENTA	0.0	CALF SURVIVAL	99
TEMP	104	PERS	105	RES	97

## PROVEN

CRV HEALTH 6%									
HOOF HEALTH 107		UDDER HEALTH 100		FERTILITY 106					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-1.0	CCR	0.5	HCR	5.3	F. INDEX	0.3		
EFC	4.1	G. LENGTH	-1.4	C. INTERVAL	102	BW	99		
SCE	1.7	SSB	6.1	DCE	1.1	DSB	3.6		
<b>MILK ROBOT</b>									
ROBOT INDEX	105	ROBOT EFFICIENCY	107	ROBOT INTERVAL	98				
<b>INDEX</b>									
NM\$	926	GTPI	2927	NVI	199				
CM\$	945	FM\$	786	GM\$	870				
<b>CONFORMATION</b> DAUGHTERS 138 • HERDS 17 • 92% REL									
PTAT	1.70	UDC	1.66	FLC	0.86	BWC	0.36	LOC	102



# 097HO42367 HALFTIME



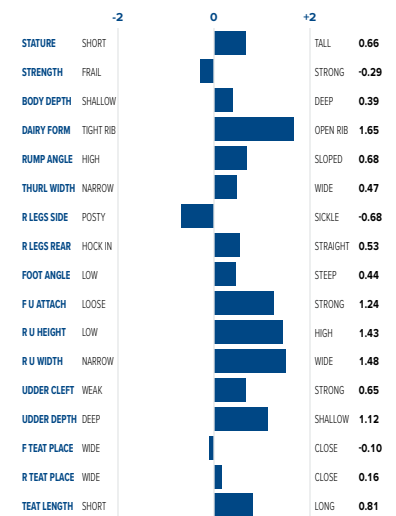
HALFTIME

**PINE-TREE HALFTIME-ET**  
GAMECHANGER X ACHEIVER X DELTA  
HO840003150687458  
DOB: **07/29/2019**  
aAa: **342156**  
DMS: **123,126**  
**99%** RHA  
BETA CASEIN: **A1A2**  
KAPPA CASEIN: **BB**  
LACTOGLOBULIN: **AB**  
HAPLOTYPES: -

CRV EFFICIENCY 13%					
LONGEVITY 309		FEED EFFICIENCY 108			
<b>PRODUCTION</b> DAUGHTERS 34 • HERDS 12 • 88% REL					
MILK	1259	SCS	2.63	CFP	158
FAT +102	+0.18%	PROTEIN +56	+0.06%	LACTOSE +36	0.02%
MUN	-0.40	METHANE	-	FEED SAVED	328
RFI	-219				
<b>HEALTH TRAITS</b>					
PL	4.2	COW LIVABILITY	1.1	H. LIVABILITY	0.3
MILK FEVER	0.2	DAB	0.7	KETOSIS	1.2
MAS (U.S.)	1.1	CL MASTITIS	104	S-CL MASTITIS	105
METRITIS	2.2	RET PLACENTA	-0.1	CALF SURVIVAL	99
TEMP	102	PERS	102	RES	98

## PROVEN

CRV HEALTH 2%									
HOOF HEALTH 102		UDDER HEALTH 105		FERTILITY 99					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	-1.6	CCR	-0.2	HCR	-0.9	F. INDEX	-1.0		
EFC	2.3	G. LENGTH	1.9	C. INTERVAL	98	BW	102		
SCE	1.9	SSB	4.6	DCE	2.3	DSB	4.7		
<b>MILK ROBOT</b>									
ROBOT INDEX	108	ROBOT EFFICIENCY	104	ROBOT INTERVAL	99				
<b>INDEX</b>									
NM\$	1015	GTPI	2911	NVI	184				
CM\$	1033	FM\$	918	GM\$	966				
<b>CONFORMATION</b> DAUGHTERS 35 • HERDS 11 • 83% REL									
PTAT	1.13	UDC	1.06	FLC	0.45	BWC	-0.72	LOC	100



# 097HO42425 ENGINEER



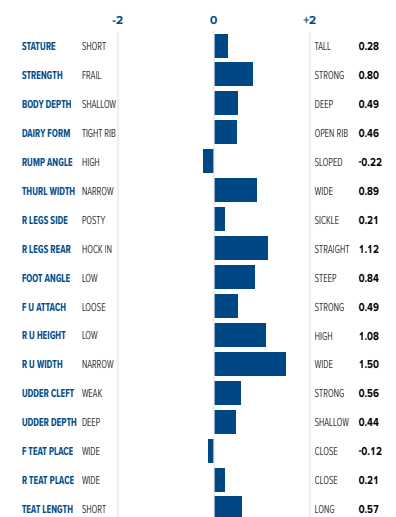
ENGINEER

**PINE-TREE ENGINEER-ET**  
PURSUIT X PROPHECY X DELTA  
HO840003150687548  
DOB: **11/15/2019**  
aAa: **351426**  
DMS: **561,135**  
**99%** RHA  
BETA CASEIN: **A2A2**  
KAPPA CASEIN: **AB**  
LACTOGLOBULIN: **AB**  
HAPLOTYPES: -

CRV EFFICIENCY 8%					
LONGEVITY 239		FEED EFFICIENCY 104			
<b>PRODUCTION</b> DAUGHTERS 69 • HERDS 16 • 93% REL					
MILK	914	SCS	2.88	CFP	151
FAT +94	+0.20%	PROTEIN +57	+0.10%	LACTOSE +8	-0.08%
MUN	-	METHANE	-	FEED SAVED	-11
RFI	-83				
<b>HEALTH TRAITS</b>					
PL	6.1	COW LIVABILITY	3.8	H. LIVABILITY	1.1
MILK FEVER	-0.1	DAB	0.5	KETOSIS	0.9
MAS (U.S.)	3.5	CL MASTITIS	102	S-CL MASTITIS	103
METRITIS	0.9	RET PLACENTA	0.2	CALF SURVIVAL	103
TEMP	108	PERS	103	RES	101

## PROVEN

CRV HEALTH 2%									
HOOF HEALTH 99		UDDER HEALTH 103		FERTILITY 103					
<b>CALVING TRAITS &amp; FERTILITY</b>									
DPR	0.0	CCR	2.0	HCR	4.4	F. INDEX	1.2		
EFC	5.7	G. LENGTH	-0.8	C. INTERVAL	101	BW	103		
SCE	2.0	SSB	6.2	DCE	1.8	DSB	4.6		
<b>MILK ROBOT</b>									
ROBOT INDEX	108	ROBOT EFFICIENCY	104	ROBOT INTERVAL	99				
<b>INDEX</b>									
NM\$	988	GTPI	2965	NVI	148				
CM\$	1007	FM\$	846	GM\$	923				
<b>CONFORMATION</b> DAUGHTERS 25 • HERDS 3 • 86% REL									
PTAT	1.03	UDC	0.77	FLC	0.99	BWC	0.61	LOC	96







# THE INDUSTRY IS CHANGING, BUT YOU CAN COUNT ON CRV

## Innovating for 150 Years

CRV is a genetic improvement partner you can count on. We focus on tomorrow, while **we base our innovations on today's situation**. With a clear vision, we never lose touch with reality. Throughout 2024, we are excited to celebrate the added value of CRV's innovations over the past 150 years.

### THE INDUSTRY IS CHANGING

Producers across the world notice it every day on their operations. Raw materials are becoming scarce, policymakers are increasing demands concerning environmental impacts and the general climate of farming, and consumers have growing expectations of farm management. But change is timeless. There have always been challenges and farmers have always found solutions to these challenges. In these evolving times we support you; we do it together. The industry is changing, but you can count on CRV. Innovating for 150 years.

Over the past 150 years, CRV has served farmers across the world with genetics, from our top notch breeding programs, and with innovations like:

- SireMatch: Optimal mating and inbreeding prevention
- HerdOptimizer: Genomic testing for herd selection
- FeedExcel: Breeding a feed efficient herd

In the next 150 years, CRV plans to continue serving producers in the best possible way to create better cows for their herds and a better life for the producers.

### SERVING FARMERS AROUND THE WORLD

Originating in The Netherlands and Flanders, CRV has developed over the last 150 years into a leading international company with offices in Brazil, Canada, Czech Republic, Germany, New Zealand, South Africa, Spain, the United States and United Kingdom. With these offices and distributors in over 60 countries, we are always close to our customers.

As a passionate team of approximately 2,000 employees, we work every day to support farmers in breeding healthy herds which produce efficiently. Our focus is on delivering top quality genetics including a large variety of breeds with a product for every producer and every system,

Outside of our genetic portfolio, CRV offers great solutions to make producers' lives easier. These smart breeding solutions are based on data collected from millions of cows and the needs of producers worldwide. CRV provides solutions paired with professional advice to fulfill the needs of our customers.

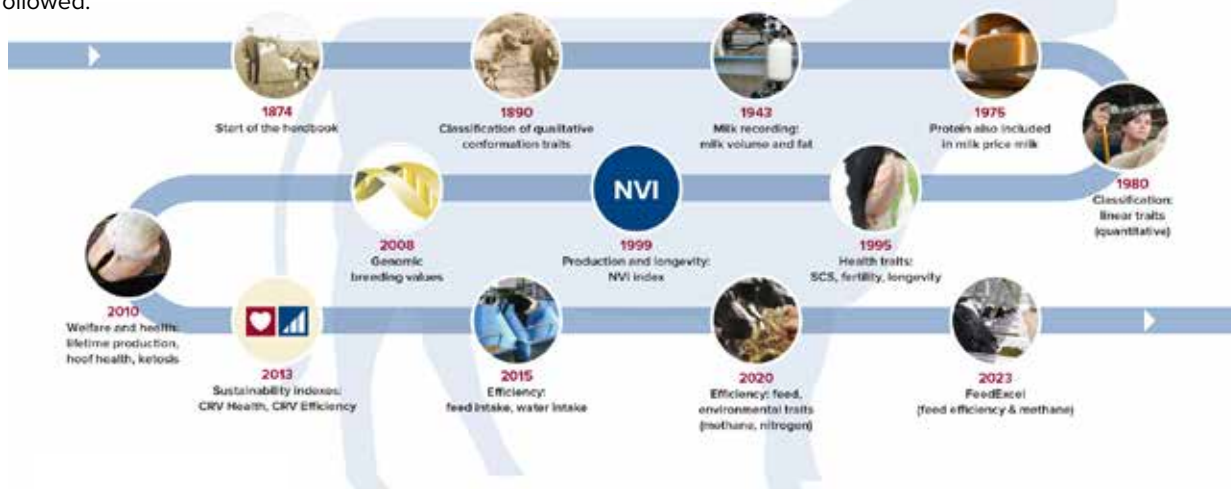
CRV believes better cows lead to a better life for producers and their environment.





## OUR INNOVATION: CREATING VALUE FOR FARMERS

The foundation of the Cattle Improvement Co-operative, currently known as CRV, goes back to the year 1874. On December 5, 1874, the Dutch Cattle Herdbook (N.R.S) was founded in Amsterdam. This date marks the start of the Cattle Improvement Co-operative in the Netherlands. A few years later, livestock farmers in Flanders took the initiative to jointly register cattle. After the establishment of the Herdbook for registration, the introduction of conformation assessment, milk control, breeding value estimation and Bull Advice Program followed. More recently, the development of the HerdOptimizer genomic test and the FeedExcel breeding strategy for increasing feed efficiency have followed.



## INNOVATIONS FOR PRODUCER GOALS

### HerdOptimizer

Efficient, easy-to-manage, healthy cows are a priority, regardless of the operation. When it comes to **maximizing return on investment and building your next generation** of cows, CRV has the complete-solutions approach. We call it **HerdOptimizer**.

HerdOptimizer is a revolutionary genetic management program that combines genomic testing, customized breeding goals, careful trait selection, easy-to-use test results, and breeding recommendations to deliver faster and more reliable herd improvement. HerdOptimizer is precision breeding.

CRV HerdOptimizer uses individual cow's genetic makeup to determine the potential of her offspring and selects the best matings to build upon strengths and improve weaknesses within the herd. This is accomplished while also managing inbreeding and protecting against haplotypes and detrimental recessives.

Results of genomic tests are shown in one digital application, HerdOptimizer. All breeding values have a reliability of 65-80%, comparable with the performance of a third-parity cow. HerdOptimizer captures the unique CRV Health and Efficiency indexes, next to the traditional Dutch and US traits.

Using HerdOptimizer and SireMatch in conjunction enables animals to be ranked based on your customized breeding goal with individual mating advice, providing even better breeding decisions.

### SireMatch

Breeding can seem like a puzzle. SireMatch assists in finding the right pieces offering a breeding management program that helps obtain maximum progress within the herd with minimum effort. **SireMatch is the perfect match for your herd.**

#### Your Perfect Herd

Personal breeding goals are the central focus for advice provided by SireMatch. Standard indexes or the option to create a customized goal are at your fingertips. Your SireMatch advisor is happy to help you create your perfect herd.

#### Cows

SireMatch works based on the pedigree, conformation, and performance of the animals in your herd. This program can support your breeding decisions even if type classification or milk recording are not used. SireMatch uses the estimated values based on the pedigree data when other sources are unavailable.

#### Bulls

SireMatch helps select bulls that best fit your breeding goals. Based on these goals, the program generates recommendations for the most suitable bull for each animal.

#### Future Herd

SireMatch predicts and shows the genetic progress using your animal data, breeding goals and personal settings.

#### Advice

SireMatch offers easy-to-read reports including ranked mating advice per animal and recommended bulls, simplifying the breeding process and providing for the most genetic progress within breeding goals.

### FeedExcel

In a world of rising costs, stricter regulations, and resource scarcity, producers are under increasing pressure to feed a growing global population and do so sustainably. An industry leader in livestock management and genetics, with **FeedExcel CRV introduces innovative new ways to help farmers reach their goals.**

CRV FeedExcel ensures a highly productive herd that promises:

- 25% more milk\* or
- 25% less feed\*
- 25% less methane emissions in 2050

*\*Based on CRV's own research on commercial dairy farms where the 25% best cows for feed efficiency were compared to the 25% lowest.*

Simply the smartest way to higher margins and lower emissions.

CRV FeedExcel is backed by years of cooperation with farmers, leading developments in science, and the largest feed-intake dataset in the world based on real feed intakes from lactating cows on commercial dairy farms.



**Ready to learn more about CRV Solutions?**

Call **608-441-3202** or visit **www.CRV4all.us**

NAAB CODE	NAME	BETA CASEIN	KAPPA CASEIN	aAa	DMS	PEDIGREE	PRO DAU	PRO HERD	HEALTH					EFFICIENCY		
									CRV HEALTH	HOOF	UDDER	FERTILITY	PL	CRV EFFICIENCY	LONGEVITY	FEED EFFICIENCY
097HO43113	<b>MYSTICAL</b>	A2A2	AB	345216	-	Altamainstream x Moonrise x Fastball	0	0	-	-	103	101	6.2	-	365	-
097HO42852	<b>MECANICO</b>	A1A2	BE	243651	456,561	Altakevlow x Altazazzle x Altaexplosion	0	0	5	102	106	104	6.6	17	426	108
097HO43027	<b>PHELPS</b>	A1A2	AB	351462	-	Lionel x Altaplinko x Discjockey	0	0	1	99	98	104	3.5	20	292	-
097HO43028	<b>OUTKAST</b>	A2A2	AB	234156	135,123	Figaro x Gameday x Eisaku	0	0	-	-	104	104	6.1	-	319	-
097HO43056	<b>TEASE</b>	A2A2	BB	234156	561,135	Kahn x Highjump x Acura	0	0	-	-	102	103	4.5	-	-	-
097HO42917	<b>EMACS</b>	A2A2	AB	423561	561,456	Zazzle x Pursuit x Achiever	0	0	4	101	105	106	6.8	18	489	111
097HO42846	<b>DAZZLIN</b>	A1A2	AE	432561	345,456	Engineer x Legacy x Challenger	0	0	5	105	105	106	6.7	16	376	109
097HO42918	<b>OVERJOY</b>	A2A2	AB	234615	135,345	Overdo x Legacy x Moola	0	0	2	97	104	103	6.5	20	597	111
097HO42975	<b>EARLYSIGN</b>	A2A2	AB	432516	126,561	Frost Bite x Endeavor x Medley	0	0	1	100	100	101	5.1	13	294	-
097HO43112	<b>ANVIL</b>	A1A2	AB	243615	-	Maverick x Wheelhouse x Lionel	0	0	-	-	98	101	4.9	-	120	-
097HO42972	<b>HOTJAVA</b>	A1A2	BE	342516	135,345	Altakevlow x Wheelhouse x Altazazzle	0	0	3	98	104	105	3.6	12	526	105
097HO43180	<b>OPUS</b>	A1A2	AB	243156	561,135	Magnum x Granite x Millington	0	0	-	-	-	-	4.3	-	-	-
097HO42799	<b>DEFIANT</b>	A2A2	AB	234165	234,123	Gameday x Legacy x Freeborn	0	0	1	103	104	102	6.4	18	552	110
097HO42912	<b>JARGON</b>	A2A2	BB	426351	345,135	Altagezook x Torro x Marius	0	0	2	98	101	102	4.8	12	313	105
097HO42956	<b>HAMMERHEAD</b>	A1A2	AB	324156	135,123	Altaovertake x Wheelhouse x Altazazzle	0	0	2	100	104	102	5.5	13	589	104
097HO42920	<b>JIMBEAM</b>	A2A2	AB	534126	561,456	George Miller x Conway x Lionel	0	0	3	103	100	104	4.9	20	619	112
097HO43022	<b>PREPY</b>	A2A2	AA	246315	-	Kahn x Perfect x Legacy	0	0	-	-	105	102	6.7	-	344	-
097HO42761	<b>VOLSTAGG</b>	A2A2	AB	324156	-	Rayshen x Rome x Achiever	0	0	6	103	108	106	4.4	12	409	106
097HO42887	<b>DIXON</b>	A1A2	AE	234165	345,135	Altakevlow x Altazazzle x King Royal	0	0	2	98	106	102	3.7	18	340	110
097HO42913	<b>HYLANDER</b>	A2A2	BB	423615	561,135	Holysmokes x Big Al x Reason	0	0	5	102	107	104	5.4	23	579	113
097HO43024	<b>PRAXIS</b>	A1A2	AB	531426	-	Max x Perfect x Pearl	0	0	-	-	104	102	6.1	-	313	-
097HO42914	<b>SHAMAN</b>	A2A2	AB	423651	135,345	Frost Bite x Conway x Worth	0	0	2	99	108	102	5.8	27	648	117
097HO42949	<b>MAXIUM</b>	A1A2	BE	243165	123,135	Antonov x Conway x Crimson	0	0	2	97	104	105	5.6	14	261	108
097HO42798	<b>DYNORAMA</b>	A2A2	AB	432516	561,135	Rayshen x Legacy x Helix	0	0	4	105	102	102	4.5	13	411	106
097HO42916	<b>LUDWIG</b>	A2A2	AB	243165	234,123	Beethoven x Moonshiner x Lionel	0	0	1	96	103	103	5.2	16	204	109
097HO42850	<b>ZYMURGY</b>	A2A2	BB	243165	135,123	Zooty x Incredible x Pursuit	0	0	4	106	105	102	4.5	19	597	110
097HO42915	<b>OUT-OF-BOUND</b>	A1A2	BB	432516	234,345	Offside x Highjump x Granite	0	0	3	97	101	105	4.6	16	477	108
097HO42753	<b>PROCEDURE</b>	A2A2	AA	234165	561,135	Gamerday x Legacy x Superhero	0	0	1	99	102	105	6.7	12	334	105
097HO42845	<b>TITUS-P</b>	A2A2	AB	213645	561,135	Fugleman x Mountain-P x Samaritan	0	0	4	101	102	105	4.3	17	354	109
097HO42847	<b>FRISSON</b>	A1A2	BB	612453	561,456	Fugleman x Rome x Medley	0	0	3	104	105	100	4.6	18	451	109
097HO42973	<b>HOLYMOLY</b>	A1A1	AB	432561	126,561	Holysmokes x Big Al x Reason	0	0	2	96	107	104	6.3	14	518	107
097HO42613	<b>GAOCHAN</b>	A2A2	AB	354126	456,345	Acura x Jedi x Altahotrod	0	0	0	100	100	102	4.3	18	376	111
097HO42950	<b>MONTY</b>	A2A2	AA	423615	234,123	Monteverdi x Alphabet x Achiever	0	0	4	102	104	103	5.1	13	502	105
097HO42718	<b>STONE</b>	A2A2	AB	351426	234,345	Outcome x Alphabet x Toronto	0	0	2	97	103	104	5.3	15	368	109
097HO42954	<b>OUTLAW</b>	A1A2	AB	234165	135,345	Lavezzi x Gameday x Brass	0	0	2	103	104	102	5.4	12	357	-
097HO42628	<b>TICTOC</b>	A1A2	BB	423651	234,345	Alphabet x Lionel x Delta	0	0	0	99	98	100	3.5	14	133	109
097HO42757	<b>STAR 2409</b>	A2A2	AA	321465	345,456	Lionel x Jedi x Cabriolet	156	8	1	98	101	103	4	20	412	112
097HO42919	<b>JACKKNIFE</b>	A2A2	AB	264135	234,123	Magnum x Conway x Lionel	0	0	2	100	99	106	4.6	16	468	109
097HO42848	<b>COLA RC</b>	A2A2	AB	234165	123,135	Fugleman x Rubels-Red x Medley	0	0	2	105	105	100	5.1	16	504	109
097HO43030	<b>CLIFF</b>	A2A2	BB	234165	-	Parker x Altazazzle x Altaexplosion	0	0	-	104	106	102	5.9	-	414	-
097HO42884	<b>OAK</b>	A1A2	BE	234156	126,123	Holysmokes x Granite x Millington	0	0	3	96	105	104	4.3	13	315	107
097HO42849	<b>COLUMBO</b>	A2A2	BB	321546	234,123	Wheelhouse x Legacy x Achiever	0	0	4	101	104	106	6	12	197	107
097HO42882	<b>DRAGONBALL</b>	A1A2	AB	243156	126,123	Goku x Eisaku x Imax	0	0	2	100	105	103	5.1	17	187	112
097HO42682	<b>ZICO</b>	A2A2	BB	321465	135,345	Altajump Cut x Pursuit x Altatopshot	0	0	3	104	104	104	5.3	17	514	110
097HO42367	<b>HALFTIME</b>	A1A2	BB	342156	123,126	Gamechanger x Acheiver x Delta	34	12	2	102	105	99	4.2	13	309	108
097HO42717	<b>TUNE</b>	A1A2	BB	234165	123,234	Outcome x Alphabet x Toronto	0	0	4	99	100	105	4.7	12	253	107
097HO42745	<b>PLAYA</b>	A2A2	AA	243165	135,123	Austad x Eisaku x Achiever	0	0	2	100	102	104	4.5	15	215	109
097HO42957	<b>CARISMA RC*</b>	A2A2	BB	243165	123,135	Fugleman x Rubels-Red x Salvatore RC	0	0	3	101	107	102	4.5	19	472	111
097HO43025	<b>MADDEN</b>	A2A2	AB	342516	-	Zuri x Perfect x Eisaku	0	0	-	100	99	100	2.9	-	87	-
097HO42608	<b>MR WU</b>	A1A2	BB	432615	234,246	Highjump x Granite x Millington	0	0	-2	91	100	102	3.4	12	128	106
097HO42751	<b>ONSTAGE</b>	A1A2	BE	342516	234,123	Supercharge x Granite x Millington	0	0	3	100	104	102	5.1	19	333	113

# Spring 2024 Dairy Guide

PREMIUM MILK										CONFORMATION				FERTILITY				MILK ROBOT			US INDEXES				SIRYX
MILK	FAT	FAT %	PROTEIN	PROTEIN %	LACTOSE	LACTOSE%	CFP	SCS	MUN	PTAT	UDC	FLC	BW	DPR	FERTILITY INDEX	CCR	SCE	ROBOT INDEX	EFFICIENCY	INTERVAL	CM\$	NM\$	GM\$	TPI	SIRYX
1353	138	0.29	69	0.09	67	0.00	207	2.77	-	0.00	0.53	-0.50	-1.08	-1.0	0.0	0.2	1.9	104	105	96	1344	<b>1323</b>	1267	3106	
676	117	0.32	61	0.14	27	0.00	178	2.71	-0.30	0.47	0.97	-0.06	-1.40	1.0	1.4	3.2	1.3	110	105	94	1250	<b>1222</b>	1211	3090	SiryX
1973	154	0.26	82	0.07	96	0.04	236	2.87	-0.50	0.82	1.09	-0.37	-1.29	-2.3	-0.5	0.5	2.0	111	109	98	1236	<b>1221</b>	1182	3161	SiryX
1072	121	0.27	58	0.08	26	-0.01	179	2.72	-	1.80	1.82	0.85	-0.23	0.3	1.1	2.1	2.3	-	-	-	1191	<b>1171</b>	1142	3176	
1980	135	0.20	77	0.05	-	-	212	2.87	-	1.65	1.54	-0.02	-0.80	-2.6	-1.6	-1.1	2.3	107	106	96	1176	<b>1163</b>	1091	3110	
1020	101	0.21	58	0.09	37	-0.03	159	2.70	-0.20	1.22	1.15	0.61	-1.37	1.0	1.5	2.4	1.7	106	105	91	1184	<b>1163</b>	1145	3074	SiryX
553	121	0.35	53	0.13	7	-0.07	174	2.72	0.70	0.95	0.97	0.52	-0.49	-0.3	0.9	1.9	1.7	109	107	95	1185	<b>1159</b>	1097	3068	SiryX
860	123	0.31	53	0.09	45	0.03	176	2.69	1.10	1.76	1.76	0.42	-0.95	0.2	0.6	1.5	1.8	108	109	94	1177	<b>1156</b>	1112	3129	SiryX
1986	121	0.15	77	0.05	76	-0.01	198	2.78	-	1.14	0.97	0.02	-0.35	-2.4	-1.1	-0.6	1.8	106	106	97	1167	<b>1153</b>	1064	3070	SiryX
1616	138	0.26	75	0.08	40	0.00	213	2.79	-	1.66	2.23	-0.19	0.33	-1.3	-0.4	1.0	2.5	106	108	96	1171	<b>1152</b>	1100	3196	
679	152	0.44	69	0.17	-8	-0.06	221	2.86	2.20	1.35	1.13	-0.12	-0.10	-1.1	0.0	0.9	1.7	106	102	97	1179	<b>1149</b>	1125	3159	SiryX
1847	126	0.18	72	0.05	-	-	198	2.92	-	1.42	1.61	0.70	-0.52	-0.2	0.4	0.4	-	-	-	-	1158	<b>1147</b>	1130	3150	
1253	113	0.22	62	0.08	66	0.04	175	2.64	-1.40	1.46	2.10	-0.45	-0.67	-1.7	-0.9	-0.3	2.7	109	111	96	1165	<b>1144</b>	1060	3047	SiryX
1464	118	0.21	69	0.08	51	0.04	187	2.70	2.60	1.24	1.65	-0.12	-1.03	-0.8	0.1	0.8	2.0	109	109	94	1165	<b>1144</b>	1111	3110	SiryX
1046	131	0.31	60	0.09	34	-0.01	191	2.80	2.40	1.43	2.00	0.58	-0.36	-0.7	0.1	0.5	2.0	107	110	93	1163	<b>1143</b>	1088	3155	SiryX
1248	113	0.22	65	0.09	62	0.03	178	2.82	0.60	1.58	1.78	0.79	-0.9	-0.6	0.1	1.8	2.1	108	109	95	1137	<b>1118</b>	1091	3096	SiryX
1496	100	0.14	73	0.09	52	0.00	173	2.70	-	1.73	1.72	0.32	0.22	-0.1	0.9	2.4	3.0	104	104	96	1137	<b>1115</b>	1057	3142	
832	128	0.33	63	0.13	-7	-0.03	191	2.67	3.90	0.28	0.03	-0.72	-0.95	-1.7	-1.2	-0.1	1.6	108	101	97	1135	<b>1107</b>	1048	2934	SiryX
1119	132	0.31	74	0.13	48	0.03	206	2.73	0.70	1.32	1.00	0.37	-0.87	-1.4	-1.1	0.5	1.8	113	107	96	1134	<b>1106</b>	1077	3076	SiryX
1197	108	0.21	64	0.09	82	0.03	172	2.65	1.20	1.08	1.37	0.63	-0.75	-0.6	0.2	0.9	1.9	107	104	96	1126	<b>1104</b>	1059	3058	SiryX
873	119	0.30	55	0.10	29	0.00	174	2.66	-	1.58	1.82	0.86	0.02	-0.3	0.6	1.7	2.4	103	104	96	1125	<b>1102</b>	1048	3124	
1750	97	0.10	59	0.02	99	0.04	156	2.71	0.20	1.29	2.00	0.22	-1.98	-1.9	-0.6	0.0	1.5	108	106	98	1111	<b>1102</b>	1031	2987	SiryX
946	120	0.29	59	0.10	31	0.03	179	2.71	-0.50	1.51	1.31	-0.05	-1.15	0.6	1.2	2.6	2.0	108	111	87	1123	<b>1100</b>	1088	3088	SiryX
1133	124	0.28	73	0.13	43	0.02	197	2.82	-	0.66	0.59	-0.51	-0.35	-0.4	0.3	0.9	2.5	108	106	101	1122	<b>1097</b>	1064	3022	SiryX
1296	116	0.23	66	0.09	47	0.01	182	2.78	1.80	1.01	0.89	-0.04	-1.09	-0.3	0.2	1.3	2.7	108	104	98	1113	<b>1093</b>	1058	3021	SiryX
1240	114	0.23	64	0.09	47	0.02	178	2.71	0.90	1.42	1.60	-0.03	-0.89	-1.6	-0.7	0.0	1.6	113	112	94	1104	<b>1083</b>	1033	3036	SiryX
1468	112	0.19	69	0.08	59	0.03	181	2.87	1.00	1.40	1.13	0.51	-0.37	-0.3	0.5	1.2	2.0	112	108	96	1098	<b>1082</b>	1055	3064	SiryX
1165	106	0.21	53	0.06	48	0.03	159	2.69	-2.00	1.52	1.73	-0.08	-0.24	0.3	1.2	2.1	2.1	107	110	97	1091	<b>1075</b>	1019	3043	SiryX
1531	114	0.19	74	0.09	60	0.04	188	2.86	2.60	1.05	1.24	-0.40	-0.79	-0.7	-0.3	0.2	1.6	114	114	92	1092	<b>1073</b>	1039	3022	SiryX
1174	120	0.26	65	0.10	50	0.03	185	2.63	-1.90	0.89	1.25	0.20	-0.93	-2.0	-1.5	-1.0	1.9	108	107	93	1094	<b>1070</b>	998	2997	
1391	99	0.15	58	0.05	58	0.01	157	2.57	1.20	1.81	1.77	0.74	0.12	0.1	1.0	1.5	2.3	108	108	93	1086	<b>1069</b>	1014	3089	SiryX
3030	95	-0.07	97	0.01	119	0.01	192	3.08	-0.50	0.45	0.07	0.00	0.05	-1.4	-0.3	0.0	2.2	109	106	102	1067	<b>1066</b>	1013	2953	SiryX
1675	118	0.18	63	0.04	63	0.04	181	2.76	1.00	1.44	1.68	0.35	-0.15	-0.8	-0.3	0.3	1.4	111	110	92	1076	<b>1065</b>	1008	3067	SiryX
1345	93	0.14	63	0.07	33	-0.01	156	2.81	3.00	1.26	1.93	0.42	-0.84	0.7	1.2	0.9	2.1	104	103	96	1077	<b>1061</b>	1044	3040	SiryX
1477	115	0.20	61	0.05	57	-0.01	176	2.76	-	2.11	2.17	0.73	-0.07	-1.5	-0.8	-0.6	2.1	110	110	95	1072	<b>1058</b>	976	3100	
1976	124	0.16	68	0.02	74	0.03	192	3.00	-	1.12	1.34	-0.63	-1.54	-2.1	-1.1	-1.1	2.3	107	108	98	1063	<b>1058</b>	1016	2958	SiryX
2630	111	0.03	76	-0.02	98	0.03	187	2.93	-	1.11	0.95	0.40	-1.33	-2.6	-1.2	-0.1	1.8	102	105	98	1052	<b>1053</b>	990	2959	SiryX
1336	120	0.23	59	0.06	49	0.01	179	2.80	-0.10	1.48	1.68	0.52	-0.12	0.7	1.5	2.4	2.0	106	106	94	1057	<b>1043</b>	1043	3088	SiryX
834	111	0.27	56	0.10	37	0.03	167	2.73	0.00	1.91	2.16	1.03	-0.05	-1.0	-0.7	-0.4	1.9	107	106	94	1053	<b>1030</b>	964	3057	SiryX
894	95	0.21	55	0.09	40	0.00	150	2.55	-	1.91	2.17	0.34	0.74	-0.5	-0.1	0.8	2.4	110	107	96	1047	<b>1022</b>	960	3043	
771	114	0.29	64	0.14	33	-0.01	178	2.70	0.80	1.42	2.14	0.83	-0.26	0.0	0.6	0.4	2.4	102	100	95	1051	<b>1022</b>	1000	3109	SiryX
1146	97	0.18	59	0.08	62	0.01	156	2.78	3.50	1.47	1.43	-0.04	0.86	-0.2	0.9	2.1	1.6	107	106	96	1038	<b>1020</b>	960	2991	SiryX
1143	96	0.18	58	0.08	37	-0.01	154	2.71	-1.80	1.45	1.26	0.48	-0.21	-0.4	0.7	1.6	1.7	104	104	95	1036	<b>1016</b>	981	2987	SiryX
2115	87	0.02	77	0.04	76	-0.03	164	2.77	-	1.48	1.37	0.10	-0.21	-2.1	-1.2	-0.9	2.4	107	108	99	1028	<b>1016</b>	921	2961	SiryX
1259	102	0.18	56	0.06	36	0.02	158	2.63	-0.40	1.13	1.06	0.45	-0.72	-1.6	-1.0	-0.2	1.9	108	104	99	1033	<b>1015</b>	966	2911	SiryX
1203	100	0.18	69	0.11	29	0.00	169	2.89	1.40	1.52	1.83	0.13	0.00	1.3	1.6	1.7	1.7	105	103	99	1030	<b>1010</b>	1014	3062	SiryX
1208	102	0.19	57	0.07	45	0.02	159	3.02	-1.00	1.34	1.30	0.17	-0.79	-0.1	0.1	1.2	1.8	106	108	93	1015	<b>1004</b>	995	2915	SiryX
1519	101	0.14	70	0.08	85	0.08	171	2.73	-0.10	1.88	1.87	0.72	-0.80	-2.1	-1.5	-1.2	1.9	108	104	97	1023	<b>1004</b>	926	3009	SiryX
1948	115	0.13	81	0.07	67	0.00	196	2.98	-	2.60	2.13	0.82	0.24	-2.3	-1.2	-0.6	1.9	109	110	95	1015	<b>1002</b>	955	3100	
1607	108	0.16	69	0.06	52	0.03	177	2.86	2.20	2.00	2.14	0.59	-0.85	-1.7	-1.0	-1.2	2.2	105	105	93	1015	<b>1001</b>	959	3037	SiryX
760	90	0.21	43	0.07	55	0.04	133	2.72	-1.40	0.54	1.55	0.20	-1.68	0.3	1.2	1.3	1.9	98	95	98	1012	<b>995</b>	986	2876	SiryX



# Holstein Bulls

NEW

NAAB CODE	NAME	BETA CASEIN	KAPPA CASEIN	aAa	DMS	PEDIGREE	PRO DAU	PRO HERD	HEALTH					EFFICIENCY		
									CRV HEALTH	HOOF	UDDER	FERTILITY	PL	CRV EFFICIENCY	LONGEVITY	FEED EFFICIENCY
097HO42425	ENGINEER	A2A2	AB	351426	561,135	Pursuit x Prophecy x Delta	69	16	2	99	103	103	6.1	8	239	104
097HO42746	ASGARDIAN	A1A2	BB	243615	126,561	Jangle x Escalate x Imax	0	0	2	102	102	104	7.0	22	464	113
097HO42629	MR XIN	A2A2	AB	354162	345,135	Alonso x Marius x Helix	0	0	1	98	100	101	2.5	9	152	104
097HO42974	LAMONT-P	A1A2	BB	324156	135,345	High Energy x Limelight-P x Frazzled	0	0	3	103	100	106	4.7	10	329	104
097HO42585	ZURI	A2A2	BB	234165	135,345	Altazazzle x Tahiti x Yoder	0	0	2	98	102	100	2.9	11	118	106
097HO42788	TYROL	A1A2	BB	234156	126,561	Parfect x Wisaku x Mega Luck	0	0	3	102	100	103	5.8	5	295	101
097HO42510	FUGLEMAN	A1A2	BB	516324	126,123	Altazazzle x Positive x Medley	0	0	2	104	103	100	3.5	16	370	108
097HO42697	HOMELAND	A2A2	AA	324156	123,135	Wheelhouse x Altazazzle x Altaexplosion	0	0	0	-	97	102	3.9	8	41	-
097HO42625	GUAM	A2A2	AA	234156	123,135	Moonshiner x Legacy x Legendary	0	0	5	101	103	107	5.9	13	453	107
097HO42234	MORANT	A2A2	AB	243156	456,561	Altamontoya x Modesty x Jabir	1952	140	1	102	98	98	3.9	15	172	109
097HO42424	UPSWING	A2A2	AA	243561	345,135	Pursuit x Duke x Rubicon	307	30	6	107	100	106	4.9	9	397	103
097HO42797	HIGHSTAKES	A2A2	AB	243615	345,456	Galapagos x Maximus x Reason	0	0	1	100	99	102	1.6	13	53	107
097HO42437	ESCAPADE	A2A2	BB	234156	126,561	Acura x Achiever x Delta	0	0	1	97	97	103	3.3	18	122	113
097HO42752	GALLIVANT	A1A2	AB	432615	561,456	Expectant x Pursuit x Helix	0	0	3	100	104	105	6.1	15	712	107
097HO43023	CALVIN-P	A1A2	BB	231645	561,126	Parfect x Almighty P x Supershot	0	0	-	101	99	102	4.2	-	56	-
097HO42611	OVERHOT	A2A2	AB	432516	345,234	Highjump x Brass x Granite	0	0	1	96	102	103	3.6	8	43	105
097HO43020	NEW HAVANA-P	A2A2	AB	324156	234,246	Remover PP x Maximus x Reason	0	0	1	101	97	103	3.3	10	340	104
097HO42464	INTRICATE	A2A2	AB	342156	234,123	Pursuit x Achiever x Delta	362	23	4	102	102	104	4.9	7	8	104
097HO42749	BASTION-P	A1A2	BB	315246	126,561	Extra-P x Eisaku x Achiever	0	0	1	101	99	102	4.6	15	451	108
097HO42627	ORONO	A1A2	BE	234165	456,246	Rozline x Lambda x Denver	0	0	2	103	100	103	3.9	9	192	103
097HO42587	PARKER	A2A2	BB	231645	135,561	Parfect x Brass x Delta	0	0	2	102	98	100	4.0	13	317	107

# Dutch Holstein Bulls

NEW

NAAB CODE	NAME	BETA CASEIN	KAPPA CASEIN	aAa	PEDIGREE	NO. OF DAUGHTERS	NO. OF HERDS	HEALTH				EFFICIENCY		
								CRV HEALTH	HOOF	UDDER	FERTILITY	CRV EFFICIENCY	FEED EFFICIENCY	LONGEVITY
097HO42706	BORAX-RED	A2A2	AB	234165	Freestyle-Red x Jakarta-Red x Bram	0	0	6	101	111	102	18	108	869
097HO42834	PRIMETIME PP-RED	A1A2	BB	243156	Taskforce P-Red x Abundant P x Handy P	0	0	7	107	110	104	11	103	913
097HO42899	UNIVERSE P RC	A1A2	AB	-	Drone PP-Red x Woody x Bouncer	0	0	3	105	107	96	18	110	384
097HO42854	NOBRAINER	A1A2	BE	243165	Fragrant x Reloader x Penley 11839	0	0	7	108	109	102	15	107	695
097HO42598	FIRESTONE-RED	A1A2	BB	243615	Eloy x Faithful-Red x Handy P	0	0	6	106	104	105	13	105	671
097HO42832	GLORY	A2A2	AB	-	Perfect x Martin X Rocky	0	0	4	109	107	95	15	107	513
097HO42777	STEADY P*RC	A2A2	AB	243165	Sorelio P x Crown x Esperanto	0	0	5	103	107	102	17	109	733
097HO42525	DOLMEN	A1A2	BB	432516	Topstone x Relevant x Reflector	0	0	5	105	106	99	16	108	443
097HO42669	GOLDLINE-RED	A2A2	BB	243165	Listrotto-Red x Rosebud-Red x Fantasy	0	0	9	111	107	109	13	107	731
097HO42801	KEYSTONE	A2A2	AB	243615	Perfect x Ramsey x Benz	0	0	5	110	107	96	18	110	661
097HO42573	FLAGSTONE	A2A2	AB	432561	Topstone x Relevant x Altatopshot	0	0	3	104	104	100	18	110	290
097HO42175	WOODY	A2A2	AB	321456	Ranger x Jetset x Chevrolet	1994	626	1	108	107	90	17	111	329
097HO42501	PERFECT	A2A2	AB	345261	Woody x Jafin x Laurent P RF	0	0	5	110	110	96	14	107	564
097HO42674	ENCOURAGE	A2A2	AB	243165	Fragrant x Trust x Barclay	0	0	5	106	104	99	17	110	371
097HO42836	SUNBURST-RED	A1A2	AE	243165	Endless x Abundant P x Adorable	0	0	2	104	102	102	12	105	184
097HO42597	SWAIN PP	A2A2	AB	-	Simon P x Batch P x Finder	0	0	5	105	107	101	16	107	777
097HO42675	BORESO	A2A2	AA	-	Rlioaveso x Floris x Magister	0	0	4	108	105	100	8	101	528
097HO42780	MAXIMIZER	A2A2	AB	243156	Marpon x Rapper x Legendary 2870	0	0	4	106	102	102	11	106	365
097HO42768	SAKARUN P*RC	A2A2	BB	234156	Launch PP-Red x Martin x Jetset	0	0	6	112	108	97	8	102	453
097HO42778	PRODUCER	A2A2	BB	243165	Marpon x Jeronimo x Bravo	0	0	1	102	100	99	15	110	166
097HO42540	VULCANO P	A2A2	BB	-	Nippon P x Trust x Barclay	0	0	7	108	105	101	14	108	377
097HO42730	BULLDOZER P-RED	A2A2	BB	432561	Tumeric-Red x Stentor PP-Red x Jupiler	0	0	6	107	107	104	5	100	475
097HO42577	EMOJI P RED	A2A2	AA	234165	Eloy x Handy P x Jacuzzi	0	0	3	100	103	105	9	102	547
097HO42644	WIZARD*RC	A1A2	BE	-	Endless RF x Mangrove x Adagio-P	0	0	4	109	101	103	10	105	163
097HO42833	COMPLETOR P-RED	A2A2	AB	324615	Taskforce P-Red x Abundant P	0	0	6	104	107	105	5	99	554
097HO42445	POWERLIFT RF	A2A2	AB	132564	Abundant P x Adorable x Loptimum	0	0	1	100	106	98	4	101	160



PREMIUM MILK										CONFORMATION				FERTILITY				MILK ROBOT			US INDEXES				SIRYX
MILK	FAT	FAT %	PROTEIN	PROTEIN %	LACTOSE	LACTOSE%	CFP	SCS	MUN	PTAT	UDC	FLC	BWC	DPR	FERTILITY INDEX	CCR	SCE	ROBOT INDEX	EFFICIENCY	INTERVAL	CM\$	NM\$	GM\$	GTPI	SIRYX
914	94	0.20	57	0.10	8	-0.08	151	2.88	-	1.03	0.77	0.99	0.61	0.0	1.2	2.0	2.0	108	104	99	1007	<b>988</b>	923	2965	SiryX
2058	66	-0.04	55	-0.03	119	0.04	121	2.81	-0.70	0.85	1.18	-0.19	-1.48	-0.5	0.6	2.4	1.6	107	110	96	977	<b>977</b>	907	2814	SiryX
1467	133	0.26	74	0.10	57	0.00	207	2.94	2.50	1.17	0.93	-0.03	0.77	-2.7	-1.7	-1.9	2.1	109	110	92	984	<b>966</b>	891	2979	SiryX
1010	96	0.20	63	0.11	50	0.03	159	2.95	-0.30	1.67	1.95	0.25	-0.37	0.0	0.9	1.6	2.1	109	113	94	983	<b>964</b>	939	2996	SiryX
1060	123	0.28	59	0.09	30	0.03	182	2.93	-	1.8	1.64	0.26	-0.16	-1.9	-0.9	-0.4	1.6	112	114	92	980	<b>963</b>	920	2992	SiryX
1332	92	0.14	67	0.09	7	-0.04	159	2.91	-	2.16	1.54	1.02	1.75	0.6	1.3	2.5	2.9	104	104	96	967	<b>950</b>	905	3062	SiryX
1210	110	0.22	68	0.10	45	0.06	178	2.86	-	1.83	1.71	0.53	-0.19	-2.1	-1.7	-1.4	2.0	113	113	91	967	<b>947</b>	878	2976	SiryX
1486	122	0.22	55	0.03	53	0.00	177	2.91	-	1.27	1.44	-0.32	0.72	-1.4	-0.4	0.2	2.9	103	104	100	955	<b>947</b>	891	2950	SiryX
1106	84	0.14	57	0.08	46	0.03	141	2.73	1.60	1.76	1.84	-0.31	-0.12	0.0	1.1	1.6	1.9	104	105	98	958	<b>939</b>	883	2959	SiryX
1051	99	0.20	60	0.09	26	-0.01	159	2.85	1.60	0.59	0.86	0.06	-0.30	-2.9	-2.1	-1.8	1.9	111	108	96	951	<b>932</b>	832	2810	
365	104	0.32	40	0.10	12	-0.02	144	2.86	-	1.70	1.66	0.86	0.36	-1.0	0.3	0.5	1.7	105	107	98	945	<b>926</b>	870	2927	SiryX
1651	117	0.18	79	0.09	74	0.00	196	2.95	0.40	1.55	2.08	-0.19	-0.72	-3.2	-2.0	-1.9	1.9	111	107	101	940	<b>923</b>	874	2966	SiryX
2394	98	0.02	73	0.00	71	-0.03	171	3.02	-	1.34	0.73	0.52	-0.61	-1.9	-0.8	-0.8	2.0	107	108	97	911	<b>911</b>	855	2900	SiryX
1516	79	0.07	47	0.00	81	-0.02	126	2.75	-1.50	1.91	1.62	0.89	0.04	-0.5	0.6	0.9	2.2	107	110	97	914	<b>909</b>	836	2907	
1211	90	0.15	65	0.09	31	0.00	155	2.95	-	1.63	1.43	0.86	0.65	0.9	1.6	2.7	2.1	99	102	96	923	<b>906</b>	912	2981	
1606	102	0.14	62	0.04	46	0.01	164	2.75	0.10	2.02	1.91	0.27	-0.24	-1.4	-0.7	-0.8	2.2	102	101	96	910	<b>897</b>	846	2964	SiryX
1584	91	0.10	70	0.07	63	0.01	161	3.01	0.20	1.66	1.63	0.58	-0.12	-0.5	0.0	1.5	1.9	104	106	99	905	<b>893</b>	877	2932	SiryX
1003	89	0.17	42	0.04	11	-0.10	131	2.79	2.80	1.61	1.50	0.25	-0.27	-0.6	0.3	0.9	1.7	106	107	94	892	<b>881</b>	832	2853	SiryX
1184	94	0.17	52	0.05	62	0.01	146	2.95	2.70	1.83	0.92	1.58	0.46	-1.2	-0.4	0.2	2.2	102	102	98	879	<b>869</b>	799	2881	SiryX
1432	87	0.11	66	0.07	57	-0.01	153	2.90	0.60	2.39	1.96	1.80	0.73	-0.7	-0.2	1.0	2.6	106	103	96	874	<b>859</b>	827	2983	SiryX
1202	85	0.13	56	0.06	57	-0.02	141	2.85	-	2.71	2.48	1.65	1.00	-1.9	-1.1	-0.7	2.8	104	106	98	871	<b>857</b>	788	2956	SiryX

PREMIUM MILK								CONFORMATION			FERTILITY		MILK ROBOT			INDEXES	SIRYX
MILK KG	FAT	FAT %	PROTEIN KG	PROTEIN %	LACTOSE KG	LACTOSE%	CFP KG	PTAT	UDC	FLC	SCE	BIRTH INDEX	ROBOT INDEX	EFFICIENCY	INTERVAL	NVI	SIRYX
1406	86	0.24	50	0.00	68	0.04	136	107	108	106	102	106	103	96	104	<b>345</b>	
575	54	0.32	37	0.19	26	0.00	91	113	108	111	101	104	103	100	103	<b>320</b>	
1881	103	0.22	85	0.18	98	0.11	188	104	101	107	105	103	107	100	107	<b>316</b>	
378	92	0.82	34	0.23	38	0.22	126	106	106	104	103	106	103	98	100	<b>315</b>	
867	70	0.34	50	0.21	50	0.12	120	108	105	109	107	106	106	98	107	<b>305</b>	SiryX
1928	82	0.00	74	0.06	99	0.10	156	109	105	110	101	103	109	100	107	<b>302</b>	
1402	64	0.04	53	0.04	70	0.06	117	105	109	103	103	104	103	98	102	<b>300</b>	
1472	89	0.26	64	0.12	77	0.09	153	106	103	107	100	107	114	112	100	<b>297</b>	SiryX
162	38	0.37	24	0.22	19	0.14	62	104	99	108	104	103	111	102	109	<b>296</b>	
1195	68	0.17	56	0.14	67	0.12	124	108	103	110	99	103	109	103	105	<b>296</b>	
1409	99	0.38	63	0.14	74	0.09	162	107	106	106	101	104	108	108	99	<b>291</b>	SiryX
2223	95	0.01	79	0.01	113	0.10	174	110	109	107	101	101	95	99	102	<b>284</b>	
955	65	0.25	48	0.15	54	0.11	113	110	104	111	101	103	105	98	107	<b>281</b>	
1160	85	0.36	65	0.25	54	0.01	150	102	104	102	101	107	99	95	104	<b>280</b>	
1495	106	0.40	57	0.03	77	0.09	163	111	103	114	103	103	102	102	100	<b>272</b>	
1693	60	-0.11	50	-0.08	88	0.10	110	103	103	102	103	102	106	102	104	<b>270</b>	
997	71	0.29	53	0.19	56	0.11	124	110	107	105	101	103	98	99	97	<b>248</b>	
951	63	0.23	52	0.19	50	0.07	115	108	105	107	101	104	108	104	102	<b>244</b>	
611	63	0.39	40	0.20	40	0.13	103	110	105	110	97	103	103	98	104	<b>242</b>	
1590	97	0.28	67	0.11	76	0.03	164	105	104	104	104	101	110	104	104	<b>236</b>	
572	41	0.18	52	0.34	24	-0.02	93	103	103	104	101	103	103	102	106	<b>234</b>	
771	45	0.12	40	0.14	46	0.12	85	105	101	107	103	103	107	103	106	<b>232</b>	
453	61	0.47	31	0.17	24	0.04	92	110	107	109	103	104	102	96	104	<b>226</b>	
1013	68	0.25	48	0.13	52	0.06	116	106	102	107	105	102	105	104	100	<b>224</b>	
305	42	0.33	26	0.18	12	-0.02	68	111	109	108	103	102	101	100	102	<b>224</b>	
699	39	0.10	34	0.10	48	0.17	73	108	107	108	103	100	99	98	103	<b>145</b>	SiryX





# 097HO42501 PERFECT



**DELTA PERFECT**  
 WOODY X JAFIN X LAURENT P RF  
 HONLND000632215609  
 DOB: **6/5/2020**  
 aAa: **345261**  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 RECESSIVES: **TV TC TR TP TL**  
**TYTV TC TR TP TL TY**

**PGS:** DOUBLE W RANGER  
**PGD:** WILLEMS-HOEVE RITA 1626A  
**MGS:** DELTA JAFIN  
**MGD:** VANDENBERG DELTA PIPI

**S:** WILLEM'S-HOEVE WOODY  
**D:** GASTELSVEEER DELTA PIEN

# 097HO42674 ENCOURAGE



**DELTA ENCOURAGE**  
 FRAGRANT X TRUST X  
 BARCLEY  
 HONLND000694241286  
 DOB: **20210707**  
 aAa: **243165**  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**PGS:** BOMAZ ALTACABOT-ET  
**PGD:** 840003141559101-ET  
**MGS:** LOWLANDS TRUST  
**MGD:** DELTA LAURIN

**S:** BUSH-BROS FRAGRANT-ET  
**D:** DELTA LOKKE

<b>CRV EFFICIENCY 14%</b>
LONGEVITY <b>564</b> FEED EFFICIENCY <b>107</b>

<b>CRV HEALTH 5%</b>
HOOF HEALTH <b>110</b> UDDER HEALTH <b>110</b> FERTILITY <b>96</b>

<b>PRODUCTION</b>	PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>80% REL</b>			
MILK <b>955</b>	FAT <b>65 + 0.25%</b>	PROTEIN <b>48 + 0.15%</b>	LACTOSE <b>54 + 0.11%</b>	
SCS <b>110</b>	CFP <b>113</b>	MUN -	METHANE -	

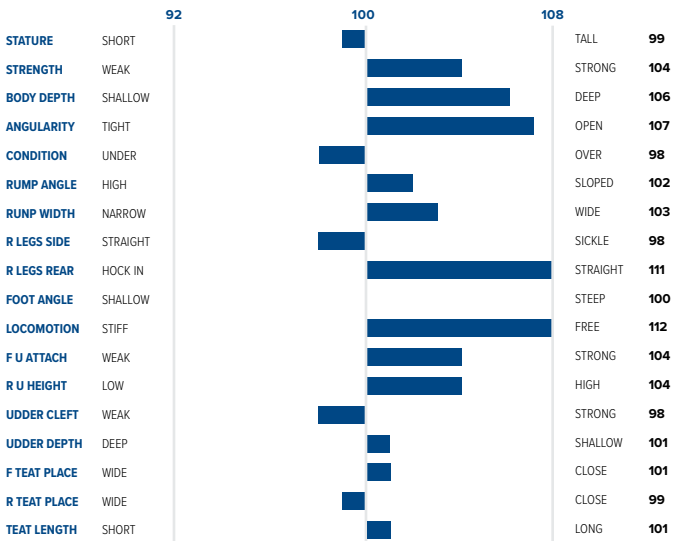
<b>HEALTH TRAITS</b>			
KETOSIS <b>104</b>	CALF SURVIVAL <b>103</b>	CL MASTITIS <b>108</b>	S-CL MASTITIS <b>110</b>
METRITIS <b>0.3</b>	RET PLACENTA <b>0.2</b>	TEMP <b>101</b>	PERS <b>108</b>
RES <b>104</b>			

<b>CALVING TRAITS &amp; FERTILITY</b>		
G. LENGTH <b>100</b>	C. INTERVAL <b>97</b>	BW <b>100</b>
SCE <b>101</b>	MCE <b>103</b>	BIRTH INDEX <b>103</b>

<b>MILK ROBOT</b>		
ROBOT INDEX <b>105</b>	ROBOT EFFICIENCY <b>98</b>	ROBOT INTERVAL <b>107</b>

<b>INDEX</b>	NVI <b>281</b>
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<b>CONFORMATION</b>	CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>88% REL</b>			
TYPE <b>110</b>	UDC <b>104</b>	FLC <b>111</b>	LOC <b>112</b>	



<b>CRV EFFICIENCY 17%</b>
LONGEVITY <b>371</b> FEED EFFICIENCY <b>110</b>

<b>CRV HEALTH 5%</b>
HOOF HEALTH <b>106</b> UDDER HEALTH <b>104</b> FERTILITY <b>99</b>

<b>PRODUCTION</b>	PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>78% REL</b>			
MILK <b>1160</b>	FAT <b>85 + 0.36%</b>	PROTEIN <b>65 + 0.25%</b>	LACTOSE <b>54 + 0.01%</b>	
SCS <b>106</b>	CFP <b>150</b>	MUN -	METHANE -	

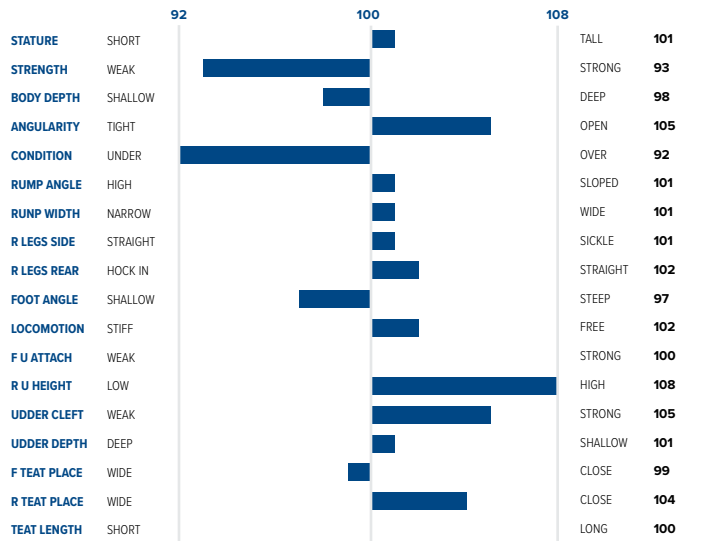
<b>HEALTH TRAITS</b>			
KETOSIS <b>104</b>	CALF SURVIVAL <b>103</b>	CL MASTITIS <b>103</b>	S-CL MASTITIS <b>105</b>
METRITIS <b>1.3</b>	RET PLACENTA <b>-0.6</b>	TEMP <b>101</b>	PERS <b>108</b>
RES <b>100</b>			

<b>CALVING TRAITS &amp; FERTILITY</b>		
G. LENGTH <b>99</b>	C. INTERVAL <b>97</b>	BW <b>101</b>
SCE <b>101</b>	MCE <b>104</b>	BIRTH INDEX <b>107</b>

<b>MILK ROBOT</b>		
ROBOT INDEX <b>99</b>	ROBOT EFFICIENCY <b>95</b>	ROBOT INTERVAL <b>104</b>

<b>INDEX</b>	NVI <b>280</b>
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<b>CONFORMATION</b>	CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>88% REL</b>			
TYPE <b>102</b>	UDC <b>104</b>	FLC <b>102</b>	LOC <b>102</b>	



# 097HO42573 FLAGSTONE



**DELTA FLAGSTONE**  
 TOPSTONE X RELEVANT X  
 ALTATOPSHOT  
 HONLD000629932290  
 DOB: 1/2/2021  
 aAa: **432561**  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 RECESSIVES: -

PGS: BOMAZ ALTATOPSHOT-ET

PGD: DG OH DONNA-ET

S: TOPSTONE  
 D: DELTA GREET

MGS: DELTA RELEVANT

MGD: GRANT D FAY

# 097HO42854 NOBRAINER



**DELTA NOBRAINER**  
 FRAGRANT X RELOADER X  
 PENLEY 11839  
 HONLD000607240070  
 DOB: 20211125  
 aAa: **243165**  
 - RHA  
 GFI: **10.0%**  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BE**  
 LACTOGLOBULIN: **AA**  
 RECESSIVES: -

PGS: BOMAZ ALTACABOT-ET

PGD: 840003141559101-ET

S: BUSH-BROS FRAGRANT  
 D: DELTA JENTHE

MGS: DELTA RELOADER

MGD: DELTA JELDAU

<b>CRV EFFICIENCY 18%</b>	
LONGEVITY <b>290</b>	FEED EFFICIENCY <b>110</b>

<b>CRV HEALTH 3%</b>		
HOOF HEALTH <b>104</b>	UDDER HEALTH <b>104</b>	FERTILITY <b>100</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>80%</b> REL			
MILK	<b>1409</b>	FAT	<b>99 + 0.38%</b>	PROTEIN	<b>63 + 0.14%</b>	LACTOSE	<b>74 + 0.09%</b>
SCS	<b>102</b>	CFP	<b>162</b>	MUN	-	METHANE	-

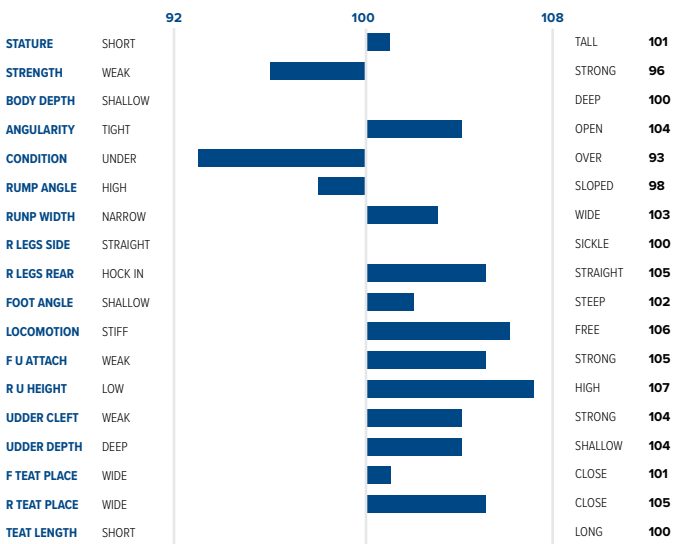
<b>HEALTH TRAITS</b>							
KETOSIS	<b>101</b>	CALF SURVIVAL	<b>96</b>	CL MASTITIS	<b>103</b>	S-CL MASTITIS	<b>104</b>
METRITIS	<b>1.0</b>	RET PLACENTA	<b>-0.2</b>	TEMP	<b>91</b>	PERS	<b>106</b>
RES	<b>98</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>98</b>	C. INTERVAL	<b>99</b>	BW	<b>100</b>
SCE	<b>101</b>	MCE	<b>104</b>	BIRTH INDEX	<b>104</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>108</b>	ROBOT INTERVAL	<b>99</b>

<b>INDEX</b>	NVI			<b>291</b>
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<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>87%</b> REL			
TYPE	<b>107</b>	UDC	<b>106</b>	FLC	<b>106</b>	LOC	<b>106</b>



<b>CRV EFFICIENCY 15%</b>	
LONGEVITY <b>695</b>	FEED EFFICIENCY <b>107</b>

<b>CRV HEALTH 7%</b>		
HOOF HEALTH <b>108</b>	UDDER HEALTH <b>109</b>	FERTILITY <b>102</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>77%</b> REL			
MILK	<b>378</b>	FAT	<b>92 + 0.82%</b>	PROTEIN	<b>34 + 0.23%</b>	LACTOSE	<b>38 + 0.22%</b>
SCS	<b>109</b>	CFP	<b>126</b>	MUN	-	METHANE	-

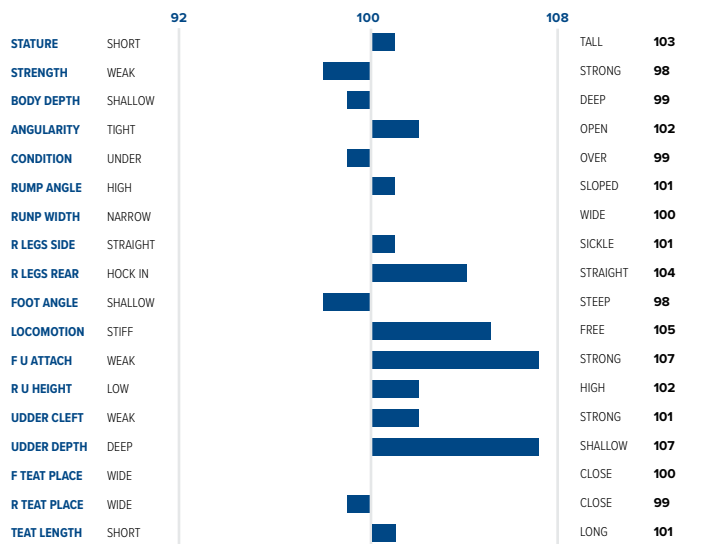
<b>HEALTH TRAITS</b>							
KETOSIS	<b>104</b>	CALF SURVIVAL	<b>104</b>	CL MASTITIS	<b>107</b>	S-CL MASTITIS	<b>109</b>
METRITIS	<b>1.7</b>	RET PLACENTA	<b>0.4</b>	TEMP	<b>102</b>	PERS	<b>106</b>
RES	<b>106</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>102</b>	C. INTERVAL	<b>102</b>	BW	<b>98</b>
SCE	<b>103</b>	MCE	<b>103</b>	BIRTH INDEX	<b>106</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>103</b>	ROBOT EFFICIENCY	<b>98</b>	ROBOT INTERVAL	<b>100</b>

<b>INDEX</b>	NVI			<b>315</b>
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<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>87%</b> REL			
TYPE	<b>106</b>	UDC	<b>106</b>	FLC	<b>104</b>	LOC	<b>105</b>



# 097HO42525 DOLMEN



**DELTA DOLMEN**  
 TOPSTONE X RELEVANT X REFLECTOR  
 HONLD000734970583  
 DOB: 9/22/2020  
 aAa: **432516**  
 - RHA  
 GF: - %  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AA**  
 RECESSIVES: **TV TC TL TP TR TY**  
**TYTV TC TL TP TR TY**

PGS: BOMAZ ALTATOPSHOT-ET

PGD: DG OH DONNA-ET

S: TOPSTONE  
 D: DELTA GREET

MGS: DELTA RELEVANT

MGD: GRANT D FAY

# 097HO42780 MAXIMIZER



**DELTA MAXIMIZER**  
 MARPON X RAPPER X LEGENDARY 2870  
 HONLD000696077188  
 DOB: 1/16/2022  
 aAa: **243156**  
 - RHA  
 GF: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**NEW**

PGS: MIDWOLDER MARTIN

PGD: KOEPEON BAND CLASSY 402

S: KOEPEON MARPON  
 D: HAVEP NORA ZONB

MGS: WILLEM'S-HOEVE RAPPER

MGD: NORA V/H ZOMERBLOEMHOF

<b>CRV EFFICIENCY 16%</b>
LONGEVITY <b>443</b> FEED EFFICIENCY <b>108</b>

<b>CRV HEALTH 5%</b>
HOOF HEALTH <b>105</b> UDDER HEALTH <b>106</b> FERTILITY <b>99</b>

<b>PRODUCTION</b>					PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>80% REL</b>				
MILK	<b>1472</b>	FAT	<b>89 + 0.26%</b>	PROTEIN	<b>64 + 0.12%</b>	LACTOSE	<b>77 + 0.09%</b>		
SCS	<b>105</b>	CFP	<b>153</b>	MUN	-	METHANE	-		

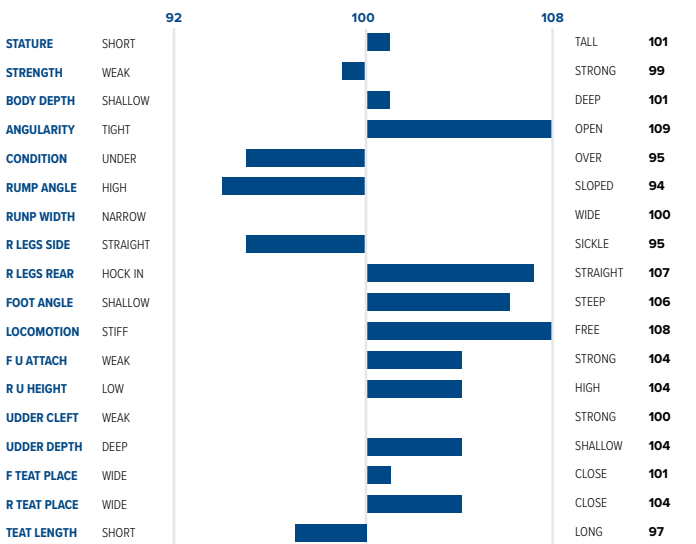
<b>HEALTH TRAITS</b>									
KETOSIS	<b>103</b>	CALF SURVIVAL	<b>97</b>	CL MASTITIS	<b>106</b>	S-CL MASTITIS	<b>105</b>		
METRITIS	<b>1.0</b>	RET PLACENTA	<b>0.1</b>	TEMP	<b>94</b>	PERS	<b>100</b>		
RES	<b>96</b>								

<b>CALVING TRAITS &amp; FERTILITY</b>							
G. LENGTH	<b>97</b>	C. INTERVAL	<b>99</b>	BW	<b>101</b>		
SCE	<b>100</b>	MCE	<b>103</b>	BIRTH INDEX	<b>107</b>		

<b>MILK ROBOT</b>							
ROBOT INDEX	<b>114</b>	ROBOT EFFICIENCY	<b>112</b>	ROBOT INTERVAL	<b>100</b>		

<b>INDEX</b>				NVI	<b>297</b>		
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<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>87% REL</b>			
TYPE	<b>106</b>	UDC	<b>103</b>	FLC	<b>107</b>	LOC	<b>108</b>



<b>CRV EFFICIENCY 11%</b>
LONGEVITY <b>365</b> FEED EFFICIENCY <b>106</b>

<b>CRV HEALTH 4%</b>
HOOF HEALTH <b>106</b> UDDER HEALTH <b>102</b> FERTILITY <b>102</b>

<b>PRODUCTION</b>					PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>76% REL</b>				
MILK	<b>951</b>	FAT	<b>63 + 0.23%</b>	PROTEIN	<b>52 + 0.19%</b>	LACTOSE	<b>50 + 0.07%</b>		
SCS	<b>101</b>	CFP	<b>115</b>	MUN	-	METHANE	-		

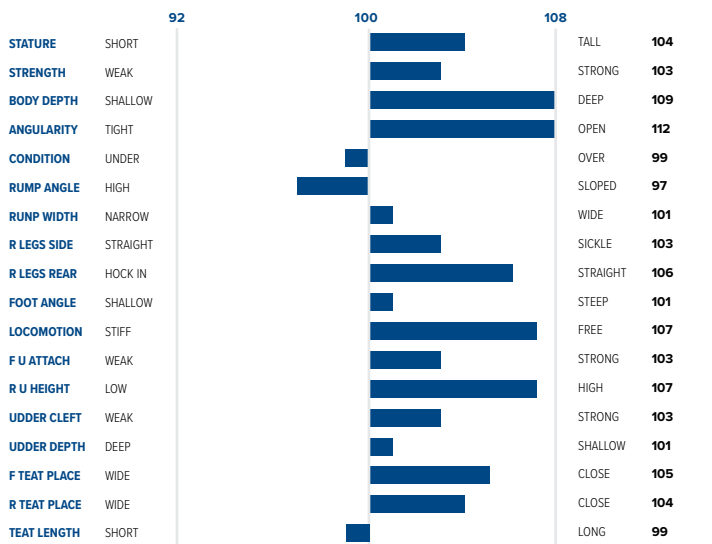
<b>HEALTH TRAITS</b>									
KETOSIS	<b>103</b>	CALF SURVIVAL	<b>98</b>	CL MASTITIS	<b>101</b>	S-CL MASTITIS	<b>102</b>		
METRITIS	<b>0.7</b>	RET PLACENTA	<b>-0.4</b>	TEMP	<b>104</b>	PERS	<b>105</b>		
RES	<b>102</b>								

<b>CALVING TRAITS &amp; FERTILITY</b>							
G. LENGTH	<b>98</b>	C. INTERVAL	<b>101</b>	BW	<b>100</b>		
SCE	<b>101</b>	MCE	<b>105</b>	BIRTH INDEX	<b>104</b>		

<b>MILK ROBOT</b>							
ROBOT INDEX	<b>108</b>	ROBOT EFFICIENCY	<b>104</b>	ROBOT INTERVAL	<b>102</b>		

<b>INDEX</b>				NVI	<b>244</b>		
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<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>85% REL</b>			
TYPE	<b>108</b>	UDC	<b>105</b>	FLC	<b>107</b>	LOC	<b>107</b>



# 097HO42675 BORESO



**DELTA BORESO**  
 RIOAVESO X FLORIS X  
 MAGISTER  
 HONLDO00672369869  
 DOB: 7/15/2021  
 aAa: -  
 - RHA  
 GFI: 10.0%  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AA**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

S: RIOAVESO  
 D: DELTA BODYL

PGS: OCD FRANCHISE RIO  
 PGD: PINE-TREE 6660 BAND 7234-ET

MGS: DELTA FLORIS  
 MGD: DELTA BABBETTE

# 097HO42644 WIZARD\*RC



**DELTA WIZARD**  
 ENDLESS RF X MANGROVE X  
 ADAGIO-P  
 HONLDO00585770710  
 DOB: 5/25/2021  
 aAa: -  
 - RHA  
 GFI: 7.6%  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BE**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**NEW**

S: DELTA ENDLESS  
 D: ELIZA 6

PGS: DELTA JACUZZI-RED  
 PGD: DELTA ELLEEN

MGS: LOWLANDS MANGROVE  
 MGD: LAMMINGSVLIET DELTA BODINE

<b>CRV EFFICIENCY 8%</b>	
LONGEVITY <b>528</b>	FEED EFFICIENCY <b>101</b>

<b>CRV HEALTH 4%</b>		
HOOF HEALTH <b>108</b>	UDDER HEALTH <b>105</b>	FERTILITY <b>100</b>

<b>PRODUCTION</b>						PRO DAUGHTERS 0 • HERDS 0 • 78% REL			
MILK	<b>997</b>	FAT	<b>71 +0.29%</b>	PROTEIN	<b>53 +0.19%</b>	LACTOSE	<b>56 +0.11%</b>		
SCS	<b>105</b>	CFP	<b>124</b>	MUN	-	METHANE	-		

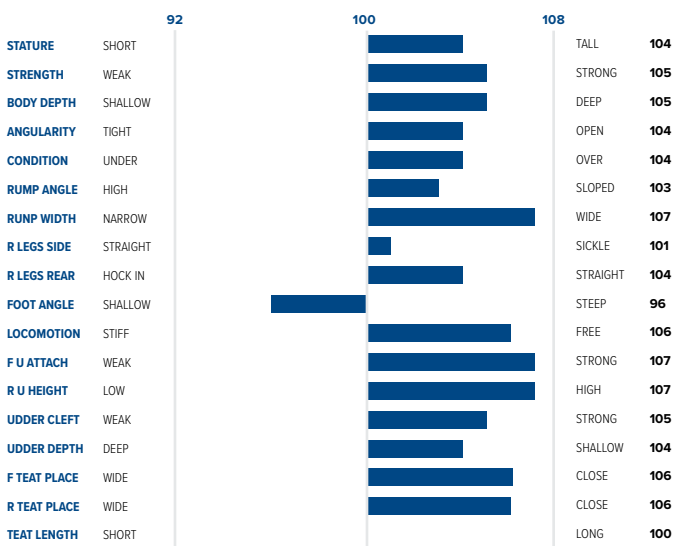
<b>HEALTH TRAITS</b>							
KETOSIS	<b>100</b>	CALF SURVIVAL	<b>98</b>	CL MASTITIS	<b>103</b>	S-CL MASTITIS	<b>106</b>
METRITIS	<b>1.2</b>	RET PLACENTA	<b>-0.3</b>	TEMP	<b>102</b>	PERS	<b>109</b>
RES	<b>99</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>106</b>	C. INTERVAL	<b>99</b>	BW	<b>101</b>
SCE	<b>101</b>	MCE	<b>104</b>	BIRTH INDEX	<b>103</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>98</b>	ROBOT EFFICIENCY	<b>99</b>	ROBOT INTERVAL	<b>97</b>

<b>INDEX</b>	NVI <b>248</b>				
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<b>CONFORMATION</b>						CONF DAUGHTERS 0 • HERDS 0 • 88% REL			
TYPE	<b>110</b>	UDC	<b>107</b>	FLC	<b>105</b>	LOC	<b>106</b>		



<b>CRV EFFICIENCY 10%</b>	
LONGEVITY <b>163</b>	FEED EFFICIENCY <b>105</b>

<b>CRV HEALTH 4%</b>		
HOOF HEALTH <b>109</b>	UDDER HEALTH <b>101</b>	FERTILITY <b>103</b>

<b>PRODUCTION</b>						PRO DAUGHTERS 0 • HERDS 0 • 78% REL			
MILK	<b>1013</b>	FAT	<b>68 +0.25%</b>	PROTEIN	<b>48 +0.13%</b>	LACTOSE	<b>52 +0.06%</b>		
SCS	<b>102</b>	CFP	<b>116</b>	MUN	-	METHANE	-		

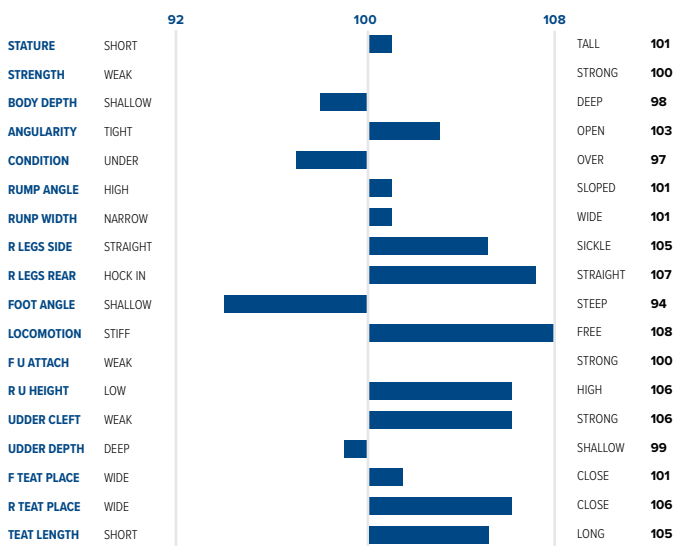
<b>HEALTH TRAITS</b>							
KETOSIS	<b>100</b>	CALF SURVIVAL	<b>97</b>	CL MASTITIS	<b>100</b>	S-CL MASTITIS	<b>103</b>
METRITIS	<b>0.7</b>	RET PLACENTA	<b>-0.2</b>	TEMP	<b>103</b>	PERS	<b>105</b>
RES	<b>98</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>94</b>	C. INTERVAL	<b>101</b>	BW	<b>97</b>
SCE	<b>105</b>	MCE	<b>102</b>	BIRTH INDEX	<b>102</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>105</b>	ROBOT EFFICIENCY	<b>104</b>	ROBOT INTERVAL	<b>100</b>

<b>INDEX</b>	NVI <b>224</b>				
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<b>CONFORMATION</b>						CONF DAUGHTERS 0 • HERDS 0 • 87% REL			
TYPE	<b>106</b>	UDC	<b>102</b>	FLC	<b>107</b>	LOC	<b>108</b>		



# 097HO42778 PRODUCER



**DELTA PRODUCER**  
 MARPON X JERONIMO X BRAVO  
 HONLD000672156160  
 DOB: 1/09/2022  
 aAa: **243165**  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AA**  
 RECESSIVES: -

PGS: MIDWOLDER MARTIN  
 PGD: KOEPEON BAND CLASSY 402  
 S: KOEPEON MARPON  
 D: MIRJAM 4  
 MGS: DELTA JERONIMO  
 MGD: MIRJAM 1

# 097HO42445 POWERLIFT RF



**DELTA POWERLIFT RF**  
 ABUNDANT P X ADORABLE X LOPTIMUM  
 HONLD000598186850  
 DOB: 4/5/2020  
 aAa: **132564**  
 - RHA  
 GFI: %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: **TL TP TV RC TC TY**

PGS: DOUBLE W RANGER  
 PGD: BOSSINK DELTA ABBY  
 S: DELTA ABUNDANT P RF  
 D: DELTA CATE  
 MGS: STANTONS ADORABLE-ET  
 MGD: BROEKLANDER LOP CHRISSY

<b>CRV EFFICIENCY 15%</b>	
LONGEVITY <b>166</b>	FEED EFFICIENCY <b>110</b>

<b>CRV HEALTH 1%</b>		
HOOF HEALTH <b>102</b>	UDDER HEALTH <b>100</b>	FERTILITY <b>99</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>76%</b> REL			
MILK	<b>1590</b>	FAT	<b>97 +0.28%</b>	PROTEIN	<b>67 +0.11%</b>	LACTOSE	<b>76 +0.03%</b>
SCS	<b>101</b>	CFP	<b>164</b>	MUN	-	METHANE	-

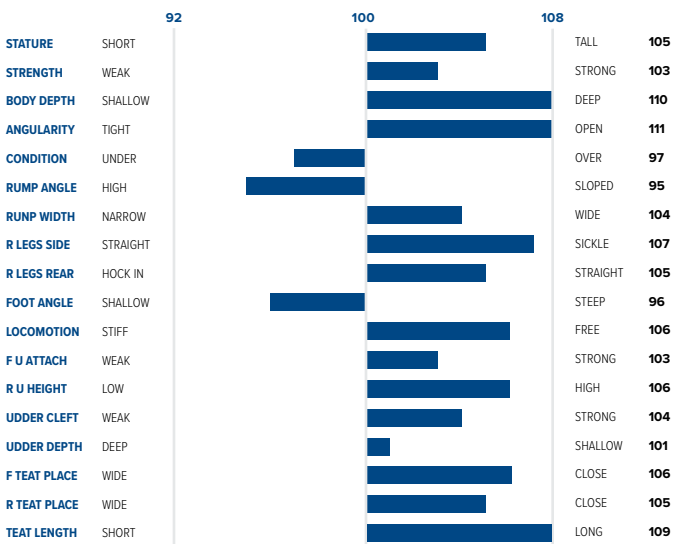
<b>HEALTH TRAITS</b>							
KETOSIS	<b>100</b>	CALF SURVIVAL	<b>97</b>	CL MASTITIS	<b>99</b>	S-CL MASTITIS	<b>102</b>
METRITIS	<b>-0.1</b>	RET PLACENTA	<b>-0.6</b>	TEMP	<b>104</b>	PERS	<b>108</b>
RES	<b>101</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>92</b>	C. INTERVAL	<b>98</b>	BW	<b>96</b>
SCE	<b>104</b>	MCE	<b>101</b>	BIRTH INDEX	<b>101</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>110</b>	ROBOT EFFICIENCY	<b>104</b>	ROBOT INTERVAL	<b>104</b>

<b>INDEX</b>	NVI <b>236</b>				
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<b>CONFORMATION</b>					CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>86%</b> REL					
TYPE	<b>105</b>	UDC	<b>104</b>	FLC	<b>104</b>	LOC	<b>106</b>			



<b>CRV EFFICIENCY 4%</b>	
LONGEVITY <b>160</b>	FEED EFFICIENCY <b>101</b>

<b>CRV HEALTH 1%</b>		
HOOF HEALTH <b>100</b>	UDDER HEALTH <b>106</b>	FERTILITY <b>98</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>83%</b> REL			
MILK	<b>699</b>	FAT	<b>39 +0.10%</b>	PROTEIN	<b>34 +0.10%</b>	LACTOSE	<b>48 +0.17%</b>
SCS	<b>104</b>	CFP	<b>73</b>	MUN	-	METHANE	-

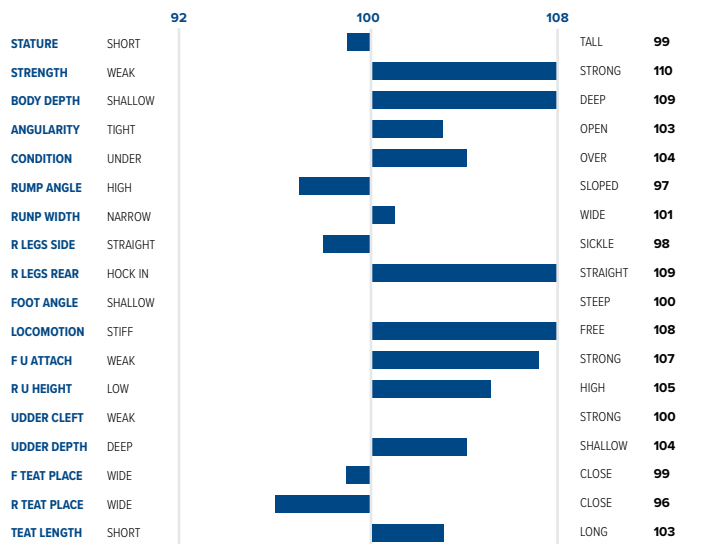
<b>HEALTH TRAITS</b>							
KETOSIS	<b>101</b>	CALF SURVIVAL	<b>97</b>	CL MASTITIS	<b>105</b>	S-CL MASTITIS	<b>106</b>
METRITIS	<b>0.0</b>	RET PLACENTA	<b>-0.8</b>	TEMP	<b>104</b>	PERS	<b>104</b>
RES	<b>102</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>93</b>	C. INTERVAL	<b>100</b>	BW	<b>96</b>
SCE	<b>103</b>	MCE	<b>99</b>	BIRTH INDEX	<b>100</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>99</b>	ROBOT EFFICIENCY	<b>98</b>	ROBOT INTERVAL	<b>103</b>

<b>INDEX</b>	NVI <b>145</b>				
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<b>CONFORMATION</b>					CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>90%</b> REL					
TYPE	<b>108</b>	UDC	<b>107</b>	FLC	<b>108</b>	LOC	<b>108</b>			





# 097HO42175 WOODY



**WILLEM'S-HOEVE WOODY**  
 RANGER X JETSET X  
 CHEVROLET  
 HONLD000965020507  
 DOB: 7/27/2018  
 aAa: 321456  
 99% RHA  
 GF: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: **TL TY TV TC**  
**TRTL TY TV TC TR**

DELTA LUSH, Daughter of WOODY

**PROVEN**

**PGS:** S-S1 MOGUL REFLECTOR  
**PGD:** DOUBLE W RICKY 8  
**S:** DOUBLE W RANGER  
**D:** WILLEM'S HOEVE RITA 1626A  
**MGS:** JETSET  
**MGD:** WILLEM'S-HOEVE RITA 1162

# 097HO42597 SWAIN PP



**DELTA SWAIN PP**  
 SIMON P X BATCH P X  
 FINDER  
 HOBEL000118992106  
 DOB: 4/01/2021  
 aAa: -  
 - RHA  
 GF: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **BB**  
 RECESSIVES: -

**POLLED NEW**

**PGS:** SEMINO  
**PGD:** KNS MISSBOARD  
**S:** SIMON P  
**D:** ZWANEBOEM BATCH NEBLINA P  
**MGS:** BATCH P-ET  
**MGD:** ZWANEBOEM FINDER NEBLINA

CRV EFFICIENCY 17%	
LONGEVITY <b>329</b>	FEED EFFICIENCY <b>111</b>

CRV HEALTH 1%		
HOOF HEALTH <b>108</b>	UDDER HEALTH <b>107</b>	FERTILITY <b>90</b>

PRODUCTION		PRO DAUGHTERS 1994 • HERDS 626 • 94% REL			
MILK	<b>2223</b>	FAT	<b>95 +0.01%</b>	PROTEIN	<b>79 +0.01%</b>
SCS	<b>110</b>	CFP	<b>174</b>	MUN	-
				LACTOSE	<b>113 +0.10%</b>
				METHANE	-

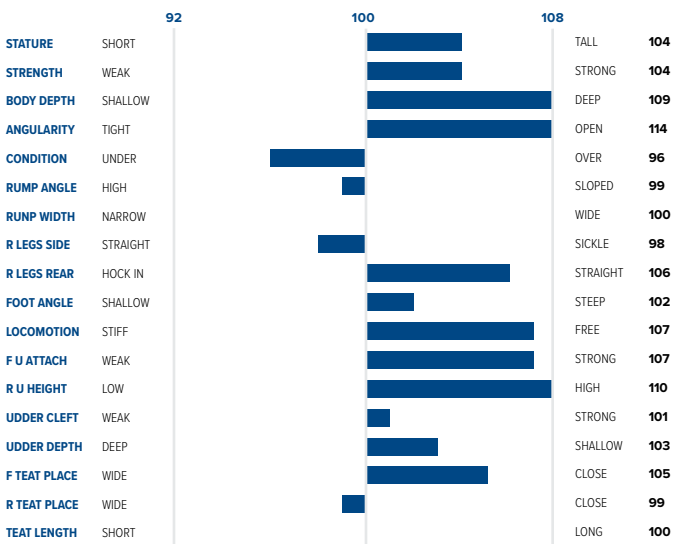
HEALTH TRAITS					
KETOSIS	<b>97</b>	CALF SURVIVAL	<b>97</b>	CL MASTITIS	<b>106</b>
METRITIS	<b>0.3</b>	RET PLACENTA	<b>-0.2</b>	TEMP	<b>99</b>
RES	<b>100</b>			PERS	<b>104</b>

CALVING TRAITS & FERTILITY			
G. LENGTH	<b>98</b>	C. INTERVAL	<b>93</b>
SCE	<b>101</b>	MCE	<b>104</b>
		BW	<b>99</b>
		BIRTH INDEX	<b>101</b>

MILK ROBOT			
ROBOT INDEX	<b>95</b>	ROBOT EFFICIENCY	<b>99</b>
		ROBOT INTERVAL	<b>102</b>

<b>INDEX</b>	NVI	<b>284</b>
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CONFORMATION		CONF DAUGHTERS 1043 • HERDS 371 • 99% REL			
TYPE	<b>110</b>	UDC	<b>109</b>	FLC	<b>107</b>
				LOC	<b>107</b>



CRV EFFICIENCY 16%	
LONGEVITY <b>777</b>	FEED EFFICIENCY <b>107</b>

CRV HEALTH 5%		
HOOF HEALTH <b>105</b>	UDDER HEALTH <b>107</b>	FERTILITY <b>101</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 78% REL			
MILK	<b>1693</b>	FAT	<b>60 + -0.11%</b>	PROTEIN	<b>50 -0.08%</b>
SCS	<b>107</b>	CFP	<b>110</b>	MUN	-
				LACTOSE	<b>88 +0.10%</b>
				METHANE	-

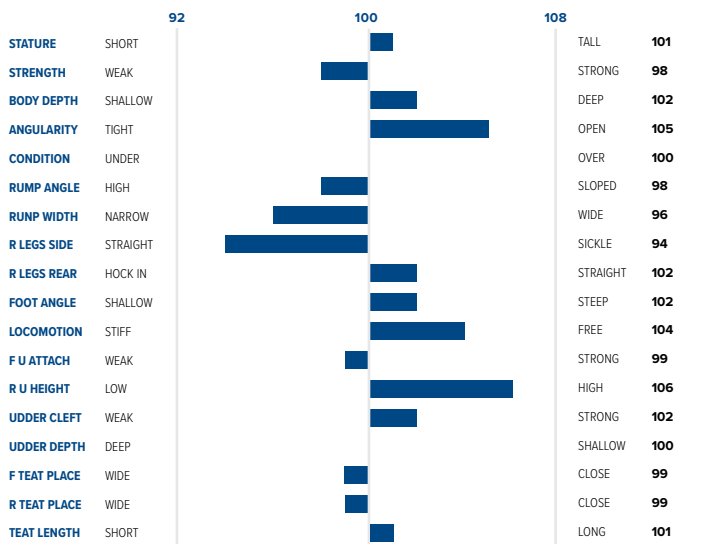
HEALTH TRAITS					
KETOSIS	<b>106</b>	CALF SURVIVAL	<b>99</b>	CL MASTITIS	<b>105</b>
METRITIS	-	RET PLACENTA	-	TEMP	<b>100</b>
RES	<b>99</b>			PERS	<b>110</b>

CALVING TRAITS & FERTILITY			
G. LENGTH	<b>97</b>	C. INTERVAL	<b>98</b>
SCE	<b>103</b>	MCE	<b>105</b>
		BW	<b>98</b>
		BIRTH INDEX	<b>102</b>

MILK ROBOT			
ROBOT INDEX	<b>106</b>	ROBOT EFFICIENCY	<b>102</b>
		ROBOT INTERVAL	<b>104</b>

<b>INDEX</b>	NVI	<b>270</b>
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CONFORMATION		CONF DAUGHTERS 0 • HERDS 0 • 86% REL			
TYPE	<b>103</b>	UDC	<b>103</b>	FLC	<b>102</b>
				LOC	<b>104</b>



# 097HO42540 VULCANO P



**DELTA VULCANO P**  
 NIPPON P X TRUST X  
 BARCLEY  
 HONLD000894523726  
 DOB: **11/13/2020**  
 aAa: -  
 - RHA  
 GF: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**POLLED**

**PGS:** WILDER HOTSPOT P  
**PGD:** LIN-HORST DELTA NADINE  
**S:** DELTA NIPPON P  
**D:** DELTA LOKKE  
**MGS:** LOWLANDS TRUST  
**MGD:** DELTA LAURIN

# 097HO42768 SAKARUN P\*RC



**WILLEM'S-HOEVE R SAKARUN P**  
 LAUNCH PP-RED X MARTIN  
 X JETSET  
 HONLD000574327024  
 DOB: **12/15/2021**  
 aAa: **234156**  
 - RHA  
 GF: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**POLLED**

**PGS:** DE BIESHEUVEL JOPPER P  
**PGD:** CAUDUMER LOL 422  
**S:** DELTA LAUNCH PP-RED  
**D:** WILLEM'S-HOEVE RITA 2340  
**MGS:** MIDWOLDER MARTIN  
**MGD:** WILLEMS-HOEVE RITA 1626A

<b>CRV EFFICIENCY 14%</b>
LONGEVITY <b>377</b> FEED EFFICIENCY <b>108</b>

<b>CRV HEALTH 7%</b>
HOOF HEALTH <b>108</b> UDDER HEALTH <b>105</b> FERTILITY <b>101</b>

<b>PRODUCTION</b>						PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>80% REL</b>							
MILK	<b>572</b>	FAT	<b>41 +0.18%</b>	PROTEIN	<b>52 +0.34%</b>	LACTOSE	<b>24 -0.02%</b>						
SCS	<b>106</b>	CFP	<b>93</b>	MUN	-	METHANE	-						

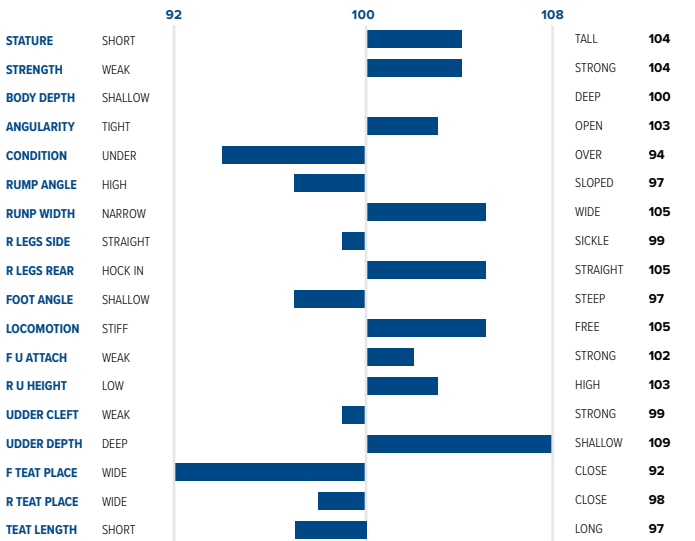
<b>HEALTH TRAITS</b>																
KETOSIS	<b>103</b>	CALF SURVIVAL	<b>102</b>	CL MASTITIS	<b>103</b>	S-CL MASTITIS	<b>107</b>									
METRITIS	-	RET PLACENTA	-	TEMP	<b>102</b>	PERS	<b>108</b>									
RES	-															

<b>CALVING TRAITS &amp; FERTILITY</b>											
G. LENGTH	<b>103</b>	C. INTERVAL	<b>101</b>	BW	<b>99</b>						
SCE	<b>101</b>	MCE	<b>104</b>	BIRTH INDEX	<b>103</b>						

<b>MILK ROBOT</b>											
ROBOT INDEX	<b>103</b>	ROBOT EFFICIENCY	<b>102</b>	ROBOT INTERVAL	<b>106</b>						

<b>INDEX</b>						NVI	<b>234</b>
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<b>CONFORMATION</b>						CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>89% REL</b>							
TYPE	<b>103</b>	UDC	<b>103</b>	FLC	<b>104</b>	LOC	<b>105</b>						



<b>CRV EFFICIENCY 8%</b>
LONGEVITY <b>453</b> FEED EFFICIENCY <b>102</b>

<b>CRV HEALTH 6%</b>
HOOF HEALTH <b>112</b> UDDER HEALTH <b>108</b> FERTILITY <b>97</b>

<b>PRODUCTION</b>						PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>78% REL</b>							
MILK	<b>611</b>	FAT	<b>63 +0.39%</b>	PROTEIN	<b>40 +0.2%</b>	LACTOSE	<b>40 +0.13%</b>						
SCS	<b>107</b>	CFP	<b>103</b>	MUN	-	METHANE	-						

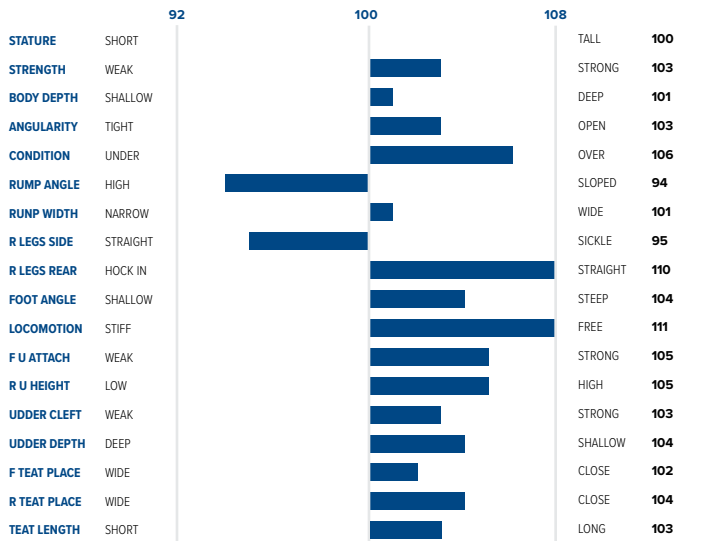
<b>HEALTH TRAITS</b>																
KETOSIS	<b>106</b>	CALF SURVIVAL	<b>101</b>	CL MASTITIS	<b>107</b>	S-CL MASTITIS	<b>108</b>									
METRITIS	<b>0.9</b>	RET PLACENTA	<b>0.0</b>	TEMP	<b>102</b>	PERS	<b>107</b>									
RES	<b>107</b>															

<b>CALVING TRAITS &amp; FERTILITY</b>											
G. LENGTH	<b>107</b>	C. INTERVAL	<b>96</b>	BW	<b>103</b>						
SCE	<b>97</b>	MCE	<b>102</b>	BIRTH INDEX	<b>103</b>						

<b>MILK ROBOT</b>											
ROBOT INDEX	<b>103</b>	ROBOT EFFICIENCY	<b>98</b>	ROBOT INTERVAL	<b>104</b>						

<b>INDEX</b>						NVI	<b>242</b>
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<b>CONFORMATION</b>						CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>87% REL</b>							
TYPE	<b>110</b>	UDC	<b>105</b>	FLC	<b>110</b>	LOC	<b>111</b>						



# 097HO42777 STEADY P\*RC



**DELTA STEADY P**  
 SORELIO P X CROWN X  
 ESPERANTO  
 HONLDO00648906029  
 DOB: **12/08/2021**  
 aAa: **243165**  
 - RHA  
 GFI: **10.4%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AA**  
 RECESSIVES: -

**POLLED NEW**

S: HIN SORELIO P  
 D: DELTA TSJERKJE

PGS: CAUDUMER SOLITAIR P  
 PGD: HIN DIDO

MGS: VH HEDELUND CHARLEY CROWN  
 MGD: DELTA TRACY

# 097HO42833 COMPLETOR P-RED



**DELTA COMPLETOR P-RED**  
 TASKFORCE P-RED X  
 ABUNDANT P  
 HONLDO00561896294  
 DOB: **5/03/2022**  
 aAa: **324615**  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**POLLED**

S: DELTA TASKFORCE P-RED  
 D: DELTA WOLTSJE

PGS: DELTA JACKO PP-RED  
 PGD: DELTA TIALDA

MGS: DELTA ABUNDANT P  
 MGD: HUL-STEIN WIETSKE PP RF

<b>CRV EFFICIENCY 17%</b>
LONGEVITY <b>733</b> FEED EFFICIENCY <b>109</b>

<b>CRV HEALTH 5%</b>
HOOF HEALTH <b>103</b> UDDER HEALTH <b>107</b> FERTILITY <b>102</b>

<b>PRODUCTION</b>					PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>76%</b> REL				
MILK	<b>1402</b>	FAT	<b>64 +0.04%</b>	PROTEIN	<b>53 +0.04%</b>	LACTOSE	<b>70 +0.06%</b>		
SCS	<b>108</b>	CFP	<b>117</b>	MUN	-	METHANE	-		

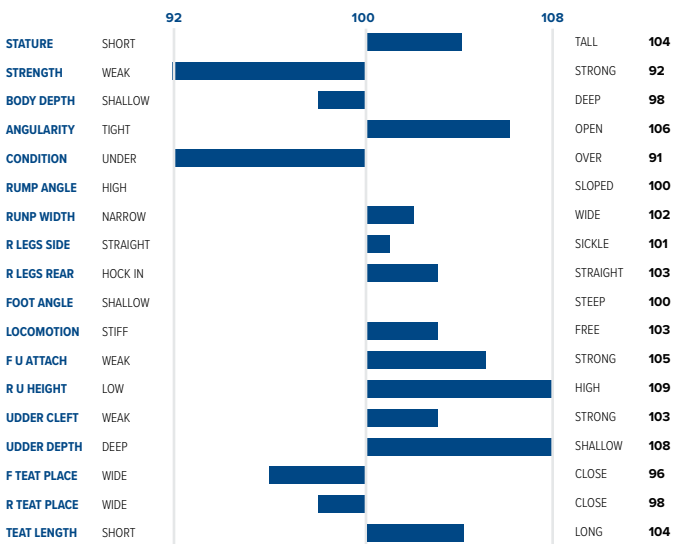
<b>HEALTH TRAITS</b>							
KETOSIS	<b>105</b>	CALF SURVIVAL	<b>102</b>	CL MASTITIS	<b>105</b>	S-CL MASTITIS	<b>108</b>
METRITIS	<b>1.4</b>	RET PLACENTA	<b>0.3</b>	TEMP	<b>100</b>	PERS	<b>107</b>
RES	<b>102</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>96</b>	C. INTERVAL	<b>102</b>	BW	<b>98</b>
SCE	<b>103</b>	MCE	<b>101</b>	BIRTH INDEX	<b>104</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>103</b>	ROBOT EFFICIENCY	<b>98</b>	ROBOT INTERVAL	<b>102</b>

<b>INDEX</b>	NVI	<b>300</b>
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<b>CONFORMATION</b>					CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>85%</b> REL					
TYPE	<b>105</b>	UDC	<b>109</b>	FLC	<b>103</b>	LOC	<b>103</b>			



<b>CRV EFFICIENCY 5%</b>
LONGEVITY <b>554</b> FEED EFFICIENCY <b>99</b>

<b>CRV HEALTH 6%</b>
HOOF HEALTH <b>104</b> UDDER HEALTH <b>107</b> FERTILITY <b>105</b>

<b>PRODUCTION</b>					PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>76%</b> REL				
MILK	<b>305</b>	FAT	<b>42 +0.33%</b>	PROTEIN	<b>26 +0.18%</b>	LACTOSE	<b>12 -0.02%</b>		
SCS	<b>106</b>	CFP	<b>68</b>	MUN	-	METHANE	-		

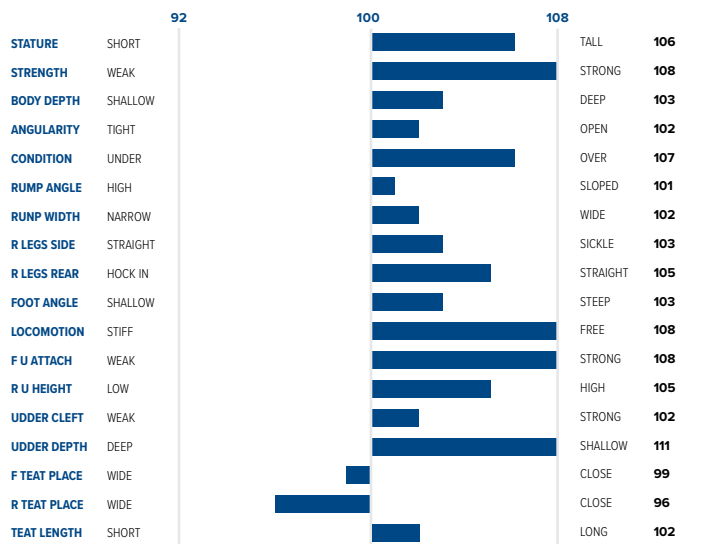
<b>HEALTH TRAITS</b>							
KETOSIS	<b>109</b>	CALF SURVIVAL	<b>101</b>	CL MASTITIS	<b>105</b>	S-CL MASTITIS	<b>108</b>
METRITIS	<b>1.4</b>	RET PLACENTA	<b>0.1</b>	TEMP	<b>96</b>	PERS	<b>110</b>
RES	<b>106</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>97</b>	C. INTERVAL	<b>105</b>	BW	<b>97</b>
SCE	<b>103</b>	MCE	<b>103</b>	BIRTH INDEX	<b>102</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>101</b>	ROBOT EFFICIENCY	<b>100</b>	ROBOT INTERVAL	<b>102</b>

<b>INDEX</b>	NVI	<b>224</b>
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<b>CONFORMATION</b>					CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>86%</b> REL					
TYPE	<b>111</b>	UDC	<b>109</b>	FLC	<b>108</b>	LOC	<b>108</b>			



# 097HO42577 EMOJI P RED



**DELTA EMOJI P-RED**  
 ELOY X HANDY P X JACUZZI  
 HONLND00618573064  
 DOB: 1/15/2021  
 aAa: 234165  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **AA**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**POLLED**

PGS: DELTA JACUZZI-RED

PGD: DELTA ELLEEN

S: DELTA ELOY

D: CAUDUMER LOL 422

MGS: DE VRENDT HANDY P-ET

MGD: CAUDUMER LOL 371

# 097HO42730 BULLDOZER P-RED



**DELTA BULLDOZER P-RED**  
 TUMERIC-RED X STENTOR  
 PP-RED X JUPILER  
 HONLND00689095469  
 DOB: 10/26/2021  
 aAa: 432561  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

**POLLED NEW**

PGS: DELTA POWERNAP-RED

PGD: BRINKSTEE DELTA TELMA

S: DELTA TURMERIC-RED

D: DELTA JISKJE

MGS: DELTA STENTOR PP-RED

MGD: BRINKSTEE DELTA JAMEY

<b>CRV EFFICIENCY 9%</b>	
LONGEVITY <b>547</b>	FEED EFFICIENCY <b>102</b>

<b>CRV HEALTH 3%</b>		
HOOF HEALTH <b>100</b>	UDDER HEALTH <b>103</b>	FERTILITY <b>105</b>

<b>PRODUCTION</b>	PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>80%</b> REL			
MILK <b>453</b>	FAT <b>61 + 0.47%</b>	PROTEIN <b>31 +0.17%</b>	LACTOSE <b>24 +0.04%</b>	
SCS <b>106</b>	CFP <b>92</b>	MUN <b>-</b>	METHANE <b>-</b>	

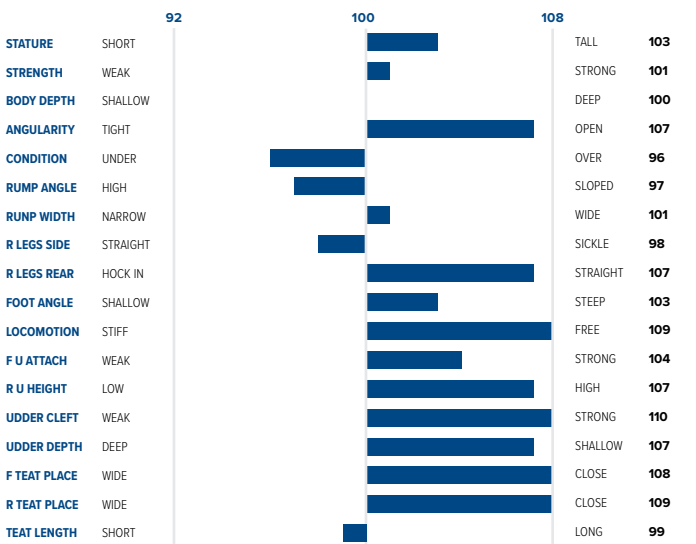
<b>HEALTH TRAITS</b>			
KETOSIS <b>102</b>	CALF SURVIVAL <b>97</b>	CL MASTITIS <b>102</b>	S-CL MASTITIS <b>104</b>
METRITIS <b>1.2</b>	RET PLACENTA <b>0.5</b>	TEMP <b>100</b>	PERS <b>105</b>
RES <b>101</b>			

<b>CALVING TRAITS &amp; FERTILITY</b>		
G. LENGTH <b>103</b>	C. INTERVAL <b>103</b>	BW <b>98</b>
SCE <b>103</b>	MCE <b>104</b>	BIRTH INDEX <b>104</b>

<b>MILK ROBOT</b>		
ROBOT INDEX <b>102</b>	ROBOT EFFICIENCY <b>96</b>	ROBOT INTERVAL <b>104</b>

<b>INDEX</b>	NVI <b>226</b>
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<b>CONFORMATION</b>	CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>89%</b> REL			
TYPE <b>110</b>	UDC <b>107</b>	FLC <b>109</b>	LOC <b>109</b>	



<b>CRV EFFICIENCY 5%</b>	
LONGEVITY <b>475</b>	FEED EFFICIENCY <b>100</b>

<b>CRV HEALTH 6%</b>		
HOOF HEALTH <b>107</b>	UDDER HEALTH <b>107</b>	FERTILITY <b>104</b>

<b>PRODUCTION</b>	PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>76%</b> REL			
MILK <b>771</b>	FAT <b>45 + 0.12%</b>	PROTEIN <b>40 +0.14%</b>	LACTOSE <b>46 +0.12%</b>	
SCS <b>107</b>	CFP <b>85</b>	MUN <b>-</b>	METHANE <b>-</b>	

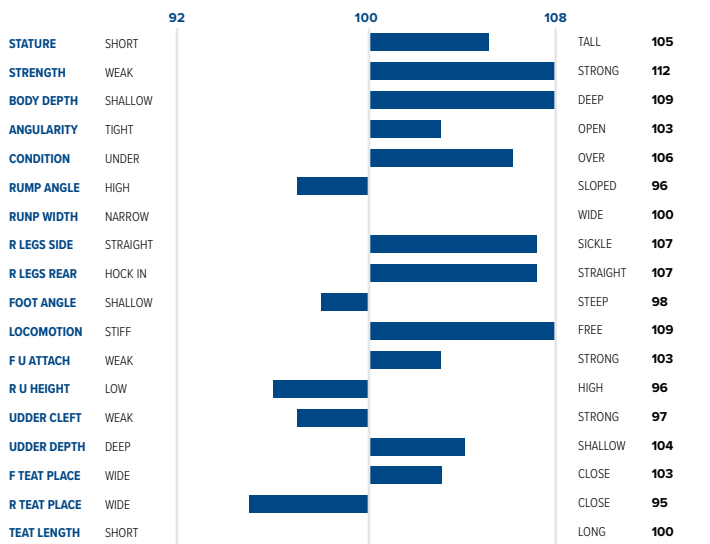
<b>HEALTH TRAITS</b>			
KETOSIS <b>106</b>	CALF SURVIVAL <b>98</b>	CL MASTITIS <b>105</b>	S-CL MASTITIS <b>108</b>
METRITIS <b>0.3</b>	RET PLACENTA <b>0.3</b>	TEMP <b>105</b>	PERS <b>103</b>
RES <b>105</b>			

<b>CALVING TRAITS &amp; FERTILITY</b>		
G. LENGTH <b>89</b>	C. INTERVAL <b>104</b>	BW <b>97</b>
SCE <b>103</b>	MCE <b>104</b>	BIRTH INDEX <b>103</b>

<b>MILK ROBOT</b>		
ROBOT INDEX <b>107</b>	ROBOT EFFICIENCY <b>103</b>	ROBOT INTERVAL <b>106</b>

<b>INDEX</b>	NVI <b>232</b>
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<b>CONFORMATION</b>	CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>86%</b> REL			
TYPE <b>105</b>	UDC <b>101</b>	FLC <b>107</b>	LOC <b>109</b>	



097HO42669 **GOLDLINE-RED** 



**LOWLANDS GOLDLINE-RED**  
 LISTROTTO-RED X ROSEBUD-RED X FANTASY  
 HONLDO00684982926  
 DOB: **06/27/2021**  
 aAa: **243165**  
 - RHA  
 GFI: **7.7%**  
 BETA CASEIN: **A2A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AA**  
 RECESSIVES: -

PGS: AALSHORST RODY-RED-ET

PGD: DELTA LARISA RED-ET

S: DELTA LISTROTTO-RED

D: INE 242

MGS: DELTA ROSEBUD-RED

MGD: INE 214

097HO42598 **FIRESTONE-RED**



**DELTA FIRESTONE-RED**  
 ELOY X FAITHFUL-RED X HANDY P  
 HONLDO00877671659  
 DOB: **03/17/2021**  
 aAa: **243615**  
 - RHA  
 GFI: - %  
 BETA CASEIN: **A1A2**  
 KAPPA CASEIN: **BB**  
 LACTOGLOBULIN: **AB**  
 RECESSIVES: -

DELTA LEVINA P, Dam FIRESTONE-RED

PGS: DELTA JACUZZI-RED

PGD: DELTA ELLEEN

S: DELTA ELOY

D: DE HOEF DELTA LEVINA P

MGS: BENTEHOEK FAITHFUL-RED

MGD: CAUDUMER LOL 422

<b>CRV EFFICIENCY 13%</b>	
LONGEVITY <b>731</b>	FEED EFFICIENCY <b>107</b>

<b>CRV HEALTH 9%</b>		
HOOF HEALTH <b>111</b>	UDDER HEALTH <b>107</b>	FERTILITY <b>109</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>80% REL</b>			
MILK	<b>162</b>	FAT	<b>38 + 0.37%</b>	PROTEIN	<b>24 +0.22%</b>	LACTOSE	<b>19 +0.14%</b>
SCS	<b>107</b>	CFP	<b>62</b>	MUN	-	METHANE	-

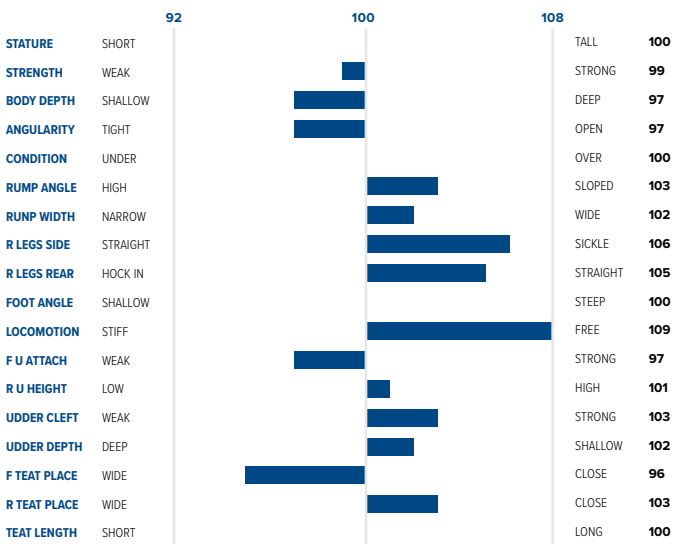
<b>HEALTH TRAITS</b>							
KETOSIS	<b>106</b>	CALF SURVIVAL	<b>99</b>	CL MASTITIS	<b>106</b>	S-CL MASTITIS	<b>107</b>
METRITIS	<b>1.5</b>	RET PLACENTA	<b>0.9</b>	TEMP	<b>99</b>	PERS	<b>102</b>
RES	<b>111</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>103</b>	C. INTERVAL	<b>107</b>	BW	<b>97</b>
SCE	<b>104</b>	MCE	<b>102</b>	BIRTH INDEX	<b>103</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>111</b>	ROBOT EFFICIENCY	<b>102</b>	ROBOT INTERVAL	<b>109</b>

<b>INDEX</b>	NVI			<b>296</b>
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<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>89% REL</b>			
TYPE	<b>104</b>	UDC	<b>99</b>	FLC	<b>108</b>	LOC	<b>109</b>



<b>CRV EFFICIENCY 13%</b>	
LONGEVITY <b>671</b>	FEED EFFICIENCY <b>105</b>

<b>CRV HEALTH 6%</b>		
HOOF HEALTH <b>106</b>	UDDER HEALTH <b>104</b>	FERTILITY <b>105</b>

<b>PRODUCTION</b>				PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>79% REL</b>			
MILK	<b>867</b>	FAT	<b>70 + 0.34%</b>	PROTEIN	<b>50 +0.21%</b>	LACTOSE	<b>50 +0.12%</b>
SCS	<b>106</b>	CFP	<b>120</b>	MUN	-	METHANE	-

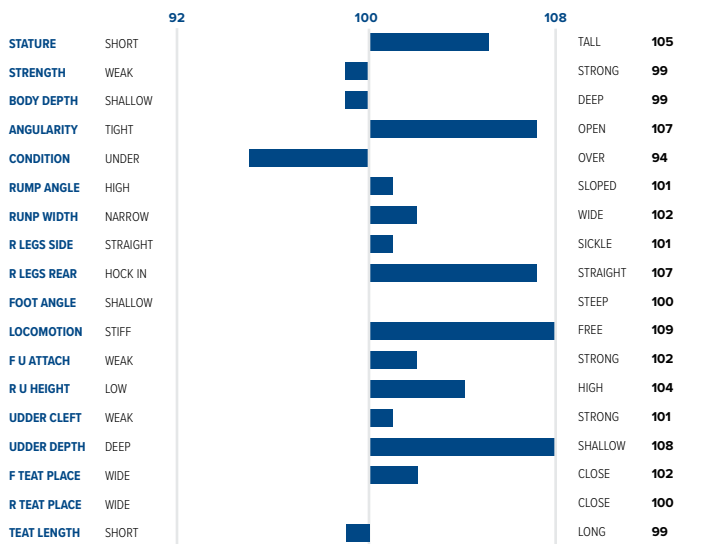
<b>HEALTH TRAITS</b>							
KETOSIS	<b>104</b>	CALF SURVIVAL	<b>100</b>	CL MASTITIS	<b>103</b>	S-CL MASTITIS	<b>104</b>
METRITIS	-	RET PLACENTA	-	TEMP	<b>104</b>	PERS	<b>107</b>
RES	<b>104</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>96</b>	C. INTERVAL	<b>103</b>	BW	<b>95</b>
SCE	<b>107</b>	MCE	<b>104</b>	BIRTH INDEX	<b>106</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>106</b>	ROBOT EFFICIENCY	<b>98</b>	ROBOT INTERVAL	<b>107</b>

<b>INDEX</b>	NVI			<b>305</b>
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<b>CONFORMATION</b>				CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>89% REL</b>			
TYPE	<b>108</b>	UDC	<b>105</b>	FLC	<b>109</b>	LOC	<b>109</b>





**COMING SOON**  
097HO42899 **UNIVERSE P RC** 

**COMING SOON**  
097HO42801 **KEYSTONE** 



**DELTA UNIVERSE P**  
DRONE PP-RED X WOODY X  
BOUNCER  
HONLD000745811471  
DOB: 9/06/2022  
aAa: -  
- RHA  
GFI: **8.5%**  
BETA CASEIN: **A1A2**  
KAPPA CASEIN: **AB**  
LACTOGLOBULIN: **AA**  
RECESSIVES: -

**POLLED CREATE**

**PGS:** DELTA NECTAR P-RED  
**PGD:** DELTA RIKA  
**S:** DELTA DRONE PP-RED  
**D:** BORDERVIEW LAURA 3461  
**MGS:** WILLEM'S-HOEVE WOODY  
**MGD:** BORDERVIEW LAURA 3294



**DELTA KEYSTONE**  
PERFECT X RAMSEY X BENZ  
HONLD000676690631  
DOB: 3/17/2022  
aAa: **243615**  
- RHA  
GFI: - %  
BETA CASEIN: **A2A2**  
KAPPA CASEIN: **AB**  
LACTOGLOBULIN: **AA**  
RECESSIVES: -

**PGS:** WILLEM'S-HOEVE WOODY  
**PGD:** GASTELSVEEER DELTA PIEN  
**S:** DELTA PERFECT  
**D:** DELTA ELGA  
**MGS:** VH RIVER RAMSEY  
**MGD:** COOL ENOUGH ET

CRV EFFICIENCY 18%	
LONGEVITY <b>384</b>	FEED EFFICIENCY <b>110</b>

CRV EFFICIENCY 18%	
LONGEVITY <b>661</b>	FEED EFFICIENCY <b>110</b>

CRV HEALTH 3%		
HOOF HEALTH <b>105</b>	UDDER HEALTH <b>107</b>	FERTILITY <b>96</b>

CRV HEALTH 5%		
HOOF HEALTH <b>110</b>	UDDER HEALTH <b>107</b>	FERTILITY <b>96</b>

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 75% REL			
MILK	<b>1881</b>	FAT	<b>103 + 0.22%</b>	PROTEIN	<b>85 +0.18%</b>
SCS	<b>107</b>	CFP	<b>188</b>	MUN	-
				METHANE	-

PRODUCTION		PRO DAUGHTERS 0 • HERDS 0 • 75% REL			
MILK	<b>1195</b>	FAT	<b>68 +0.17%</b>	PROTEIN	<b>56 +0.14%</b>
SCS	<b>107</b>	CFP	<b>124</b>	MUN	-
				METHANE	-

HEALTH TRAITS					
KETOSIS	<b>100</b>	CALF SURVIVAL	<b>106</b>	CL MASTITIS	<b>105</b>
METRITIS	<b>1.0</b>	RET PLACENTA	<b>-0.4</b>	TEMP	<b>100</b>
RES	<b>103</b>	PERS	<b>108</b>		

HEALTH TRAITS					
KETOSIS	<b>106</b>	CALF SURVIVAL	<b>101</b>	CL MASTITIS	<b>105</b>
METRITIS	<b>1.1</b>	RET PLACENTA	<b>-0.2</b>	TEMP	<b>103</b>
RES	<b>104</b>	PERS	<b>111</b>		

CALVING TRAITS & FERTILITY			
G. LENGTH	<b>98</b>	C. INTERVAL	<b>96</b>
SCE	<b>105</b>	MCE	<b>103</b>
		BIRTH INDEX	<b>103</b>

CALVING TRAITS & FERTILITY			
G. LENGTH	<b>101</b>	C. INTERVAL	<b>96</b>
SCE	<b>99</b>	MCE	<b>101</b>
		BIRTH INDEX	<b>103</b>

MILK ROBOT			
ROBOT INDEX	<b>107</b>	ROBOT EFFICIENCY	<b>100</b>
		ROBOT INTERVAL	<b>107</b>

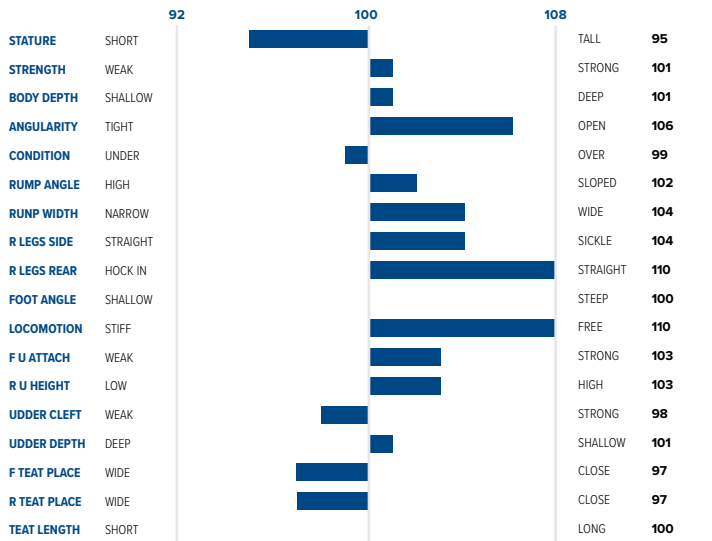
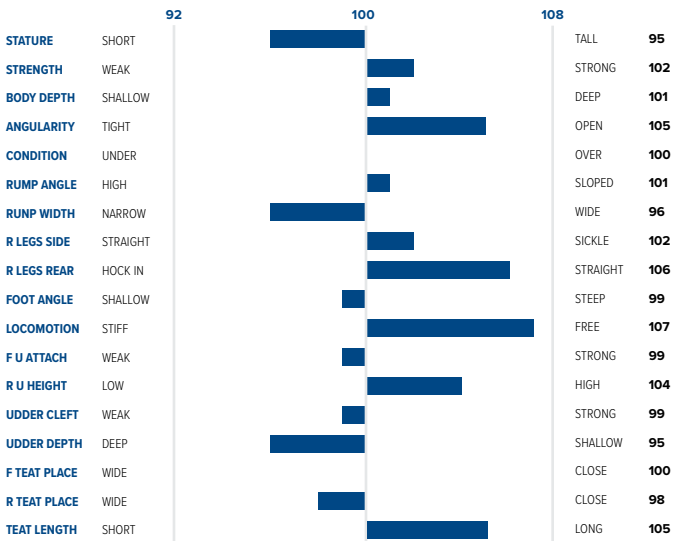
MILK ROBOT			
ROBOT INDEX	<b>109</b>	ROBOT EFFICIENCY	<b>103</b>
		ROBOT INTERVAL	<b>105</b>

INDEX		NVI	<b>316</b>
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INDEX		NVI	<b>296</b>
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CONFORMATION			
TYPE	<b>104</b>	UDC	<b>101</b>
		FLC	<b>107</b>
		LOC	<b>107</b>

CONFORMATION			
TYPE	<b>108</b>	UDC	<b>103</b>
		FLC	<b>110</b>
		LOC	<b>110</b>



**COMING SOON**  
097HO42834 **PRIMETIME PP-RED**



**DELTA PRIMETIME PP-RED**  
TASKFORCE P-RED X  
ABUNDANT P X HANDY P  
HONLDO00561896319  
DOB: **5/04/2022**  
aAa: **243156**  
- RHA  
GFI: - %  
BETA CASEIN: **A1A2**  
KAPPA CASEIN: **BB**  
LACTOGLOBULIN: **AA**  
RECESSIVES: -

**POLLED CREATE**

S: DELTA TASKFORCE P-RED  
D: DELTA WOLTSJE

PGS: DELTA JACKO PP-RED

PGD: DELTA TIALDA

MGS: DELTA ABUNDANT P

MGD: HUL-STEIN WIETSKE PP RF

**COMING SOON**  
097HO42706 **BORAX-RED**



**DELTA BORAX-RED**  
FREESTYLE-RED X JAKARTA-  
RED X BRAM  
HONLDO00714907600  
DOB: **8/22/2021**  
aAa: **234165**  
- RHA  
GFI: **9.2%**  
BETA CASEIN: **A2A2**  
KAPPA CASEIN: **AB**  
LACTOGLOBULIN: **AA**  
RECESSIVES: -

S: POPPE FREESTYLE-RED  
D: DELTA LYSET

PGS: GYWER RDC-ET

PGD: POPPE FIENCHEN 1569

MGS: DELTA JAKARTA-RED

MGD: STERKSEL DELTA LACOSTE

<b>CRV EFFICIENCY 11%</b>	
LONGEVITY <b>913</b>	FEED EFFICIENCY <b>103</b>

<b>CRV HEALTH 7%</b>		
HOOF HEALTH <b>107</b>	UDDER HEALTH <b>110</b>	FERTILITY <b>104</b>

<b>PRODUCTION</b>					PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>76%</b> REL				
MILK	<b>575</b>	FAT	<b>54 + 0.32%</b>	PROTEIN	<b>37 + 0.19%</b>	LACTOSE	<b>26 + 0.00%</b>	SCS	<b>108</b>
CFP	<b>91</b>	MUN	-	METHANE	-				

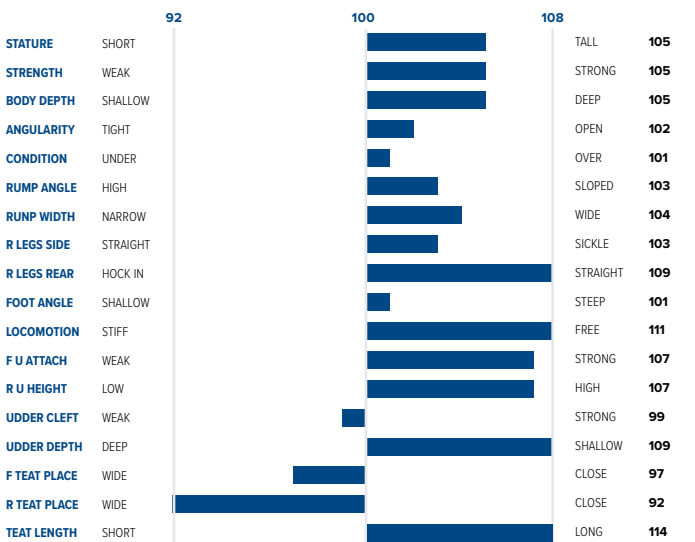
<b>HEALTH TRAITS</b>							
KETOSIS	<b>107</b>	CALF SURVIVAL	<b>102</b>	CL MASTITIS	<b>107</b>	S-CL MASTITIS	<b>111</b>
METRITIS	<b>1.2</b>	RET PLACENTA	<b>0.1</b>	TEMP	<b>101</b>	PERS	<b>111</b>
RES	<b>104</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>94</b>	C. INTERVAL	<b>104</b>	BW	<b>98</b>
SCE	<b>101</b>	MCE	<b>104</b>	BIRTH INDEX	<b>104</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>103</b>	ROBOT EFFICIENCY	<b>100</b>	ROBOT INTERVAL	<b>103</b>

<b>INDEX</b>	NVI <b>320</b>			
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<b>CONFORMATION</b>					CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>86%</b> REL					
TYPE	<b>113</b>	UDC	<b>108</b>	FLC	<b>111</b>	LOC	<b>111</b>			



<b>CRV EFFICIENCY 18%</b>	
LONGEVITY <b>869</b>	FEED EFFICIENCY <b>108</b>

<b>CRV HEALTH 6%</b>		
HOOF HEALTH <b>101</b>	UDDER HEALTH <b>111</b>	FERTILITY <b>102</b>

<b>PRODUCTION</b>					PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>78%</b> REL				
MILK	<b>1406</b>	FAT	<b>86 + 0.24%</b>	PROTEIN	<b>50 + 0.00%</b>	LACTOSE	<b>68 + 0.04%</b>	SCS	<b>110</b>
CFP	<b>136</b>	MUN	-	METHANE	-				

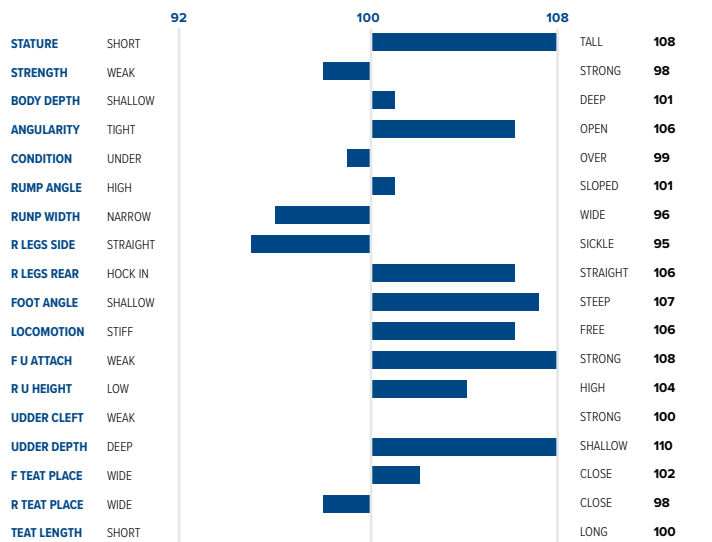
<b>HEALTH TRAITS</b>							
KETOSIS	<b>106</b>	CALF SURVIVAL	<b>102</b>	CL MASTITIS	<b>109</b>	S-CL MASTITIS	<b>112</b>
METRITIS	<b>1.5</b>	RET PLACENTA	<b>0.5</b>	TEMP	<b>103</b>	PERS	<b>108</b>
RES	<b>101</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>100</b>	C. INTERVAL	<b>100</b>	BW	<b>99</b>
SCE	<b>102</b>	MCE	<b>105</b>	BIRTH INDEX	<b>106</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>103</b>	ROBOT EFFICIENCY	<b>96</b>	ROBOT INTERVAL	<b>104</b>

<b>INDEX</b>	NVI <b>345</b>			
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<b>CONFORMATION</b>					CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>86%</b> REL					
TYPE	<b>107</b>	UDC	<b>108</b>	FLC	<b>106</b>	LOC	<b>106</b>			



**COMING SOON**  
097HO42836 **SUNBURST-RED**



**DELTA SUNBURST-RED**  
ENDLESS X ABUNDANT P X  
ADORABLE  
HOBEL000434462239  
DOB: **5/20/2022**  
aAa: **243165**  
- RHA  
GFI: **8.8%**  
BETA CASEIN: **A1A2**  
KAPPA CASEIN: **AE**  
LACTOGLOBULIN: **AB**  
RECESSIVES: -

PGS: DELTA JACUZZI-RED

PGD: DELTA ELLEEN

S: DELTA ENDLESS

D: PEELSEHOEVE PIETJE 1092

MGS: DELTA ABUNDANT P

MGD: SKALSUMER PIETJE 1090

**COMING SOON**  
097HO42832 **GLORY**



**DELTA GLORY**  
PERFECT X MARTIN X ROCKY  
HONLD000692627105  
DOB: **20220502**  
aAa: -  
- RHA  
GFI: - %  
BETA CASEIN: **A2A2**  
KAPPA CASEIN: **AB**  
LACTOGLOBULIN: **AA**  
RECESSIVES: -

PGS: WILLEM'S-HOEVE WOODY

PGD: GASTELSVeer DELTA PIEN

S: DELTA PERFECT

D: LIZETTE 5343

MGS: MIDWOLDER MARTIN

MGD: LIZETTE 4878

<b>CRV EFFICIENCY 12%</b>
LONGEVITY <b>184</b> FEED EFFICIENCY <b>105</b>

<b>CRV HEALTH 2%</b>
HOOF HEALTH <b>104</b> UDDER HEALTH <b>102</b> FERTILITY <b>102</b>

<b>PRODUCTION</b>						PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>78% REL</b>			
MILK	<b>1495</b>	FAT	<b>106 +0.40%</b>	PROTEIN	<b>57 +0.03%</b>	LACTOSE	<b>77 +0.09%</b>		
SCS	<b>105</b>	CFP	<b>163</b>	MUN	-	METHANE	-		

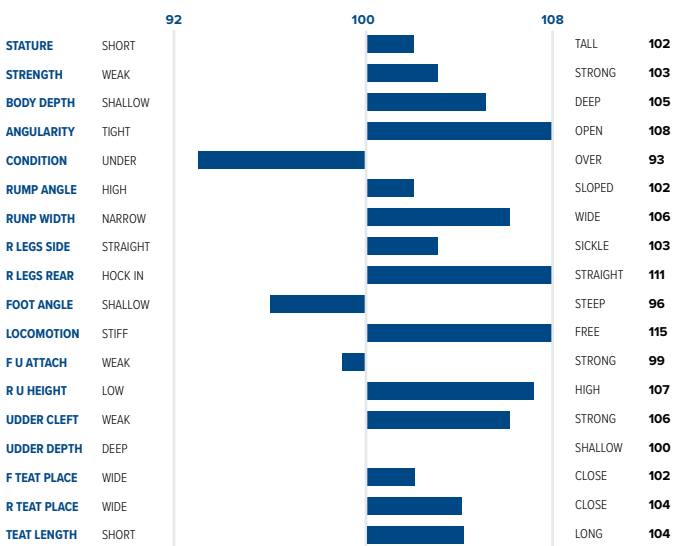
<b>HEALTH TRAITS</b>							
KETOSIS	<b>97</b>	CALF SURVIVAL	<b>99</b>	CL MASTITIS	<b>99</b>	S-CL MASTITIS	<b>106</b>
METRITIS	<b>0.1</b>	RET PLACENTA	<b>-1.0</b>	TEMP	<b>101</b>	PERS	<b>105</b>
RES	<b>98</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>97</b>	C. INTERVAL	<b>100</b>	BW	<b>98</b>
SCE	<b>103</b>	MCE	<b>104</b>	BIRTH INDEX	<b>103</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>102</b>	ROBOT EFFICIENCY	<b>102</b>	ROBOT INTERVAL	<b>100</b>

<b>INDEX</b>	NVI <b>272</b>				
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<b>CONFORMATION</b>						CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>88% REL</b>			
TYPE	<b>111</b>	UDC	<b>103</b>	FLC	<b>114</b>	LOC	<b>115</b>		



<b>CRV EFFICIENCY 15%</b>
LONGEVITY <b>513</b> FEED EFFICIENCY <b>107</b>

<b>CRV HEALTH 4%</b>
HOOF HEALTH <b>109</b> UDDER HEALTH <b>107</b> FERTILITY <b>95</b>

<b>PRODUCTION</b>						PRO DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>76% REL</b>			
MILK	<b>1928</b>	FAT	<b>82 +0.00%</b>	PROTEIN	<b>74 +0.06%</b>	LACTOSE	<b>99 +0.10%</b>		
SCS	<b>107</b>	CFP	<b>156</b>	MUN	-	METHANE	-		

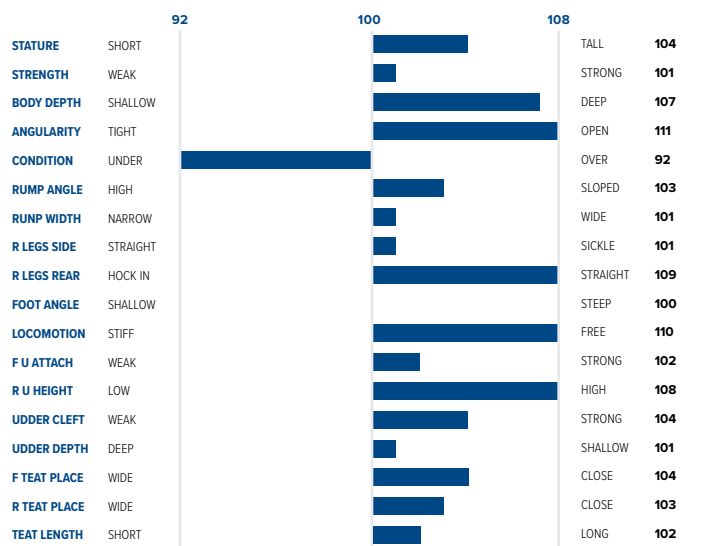
<b>HEALTH TRAITS</b>							
KETOSIS	<b>104</b>	CALF SURVIVAL	<b>101</b>	CL MASTITIS	<b>105</b>	S-CL MASTITIS	<b>108</b>
METRITIS	<b>1.2</b>	RET PLACENTA	<b>0.1</b>	TEMP	<b>102</b>	PERS	<b>111</b>
RES	<b>100</b>						

<b>CALVING TRAITS &amp; FERTILITY</b>					
G. LENGTH	<b>99</b>	C. INTERVAL	<b>94</b>	BW	<b>99</b>
SCE	<b>101</b>	MCE	<b>103</b>	BIRTH INDEX	<b>103</b>

<b>MILK ROBOT</b>					
ROBOT INDEX	<b>109</b>	ROBOT EFFICIENCY	<b>100</b>	ROBOT INTERVAL	<b>107</b>

<b>INDEX</b>	NVI <b>302</b>				
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<b>CONFORMATION</b>						CONF DAUGHTERS <b>0</b> • HERDS <b>0</b> • <b>86% REL</b>			
TYPE	<b>109</b>	UDC	<b>105</b>	FLC	<b>110</b>	LOC	<b>110</b>		



# Holstein Trait Leaders

## PRODUCTION

MILK		FAT		US FAT%		PROTEIN		US PROTEIN %	
GAOCHAN	3030	PHELPS	154	HOTJAVA	+0.44	GAOCHAN	97	HOTJAVA	+0.17
STAR 2409	2630	HOTJAVA	152	DAZZLIN	+0.35	PHELPS	82	OAK	+0.14
ESCAPADE	2394	ANVIL	138	VOLSTAGG	+0.33	MADDEN	81	MECANICO	+0.14
ZICO	2115	MYSTICAL	138	MECANICO	+0.32	HIGHSTAKES	79	DIXON	+0.13
ASGARDIAN	2058	TEASE	135	UPSWING	+0.32	TEASE	77	DYNORAMA	+0.13
EARLYSIGN	1986	MR XIN	133	DIXON	+0.31	EARLYSIGN	77	VOLSTAGG	+0.13
TEASE	1980	DIXON	132	HAMMERHEAD	+0.31	ZICO	77	DAZZLIN	+0.13
TICTOC	1976	HAMMERHEAD	131	OVERJOY	+0.31	STAR 2409	76	TUNE	+0.11
PHELPS	1973	VOLSTAGG	128	PRAXIS	+0.30	ANVIL	75	LAMONT-P	+0.11
MADDEN	1948	OPUS	126	MYSTICAL	+0.29	DIXON	74	MR XIN	+0.10

CFP		DUTCH FAT %		DUTCH PROTEIN %		SCS		MUN	
PHELPS	236	NOBRAINER	+0.82	VULCANO P	+0.34	CLIFF	2.55	PROCEDURE	-2.00
HOTJAVA	221	EMOJI P RED	+0.47	ENCOURAGE	+0.25	HOLYMOLY	2.57	FRISSON	-1.90
ANVIL	213	SUNBURST-RED	+0.40	NOBRAINER	+0.23	FRISSON	2.63	DRAGONBALL	-1.80
TEASE	212	SAKARUN P*RC	+0.39	GOLDLINE-RED	+0.22	HALFTIME	2.63	GALLIVANT	-1.50
MR XIN	207	FLAGSTONE	+0.38	FIRESTONE-RED	+0.21	DEFIANT	2.64	DEFIANT	-1.40
MYSTICAL	207	GOLDLINE-RED	+0.37	SAKARUN P*RC	+0.20	HYLANDER	2.65	ONSTAGE	-1.40
DIXON	206	ENCOURAGE	+0.36	PRIMETIME PP-RED	+0.19	PRAXIS	2.66	PLAYA	-1.00
EARLYSIGN	198	FIRESTONE-RED	+0.34	BORESO	+0.19	VOLSTAGG	2.67	ASGARDIAN	-0.70
OPUS	198	COMPLETOR P-RED	+0.33	MAXIMIZER	+0.19	OVERJOY	2.69	MAXIUM	-0.50
DYNORAMA	197	PRIMETIME PP-RED	+0.32	COMPLETOR P-RED	+0.18	PROCEDURE	2.69	PHELPS	-0.50

## HEALTH

CRV HEALTH		HOOF HEALTH		UDDER HEALTH		PRODUCTIVE LIFE		COW LIVABILITY		HEIFER LIVABILITY	
GOLDLINE-RED	9	SAKARUN P*RC	112	BORAX-RED	111	ASGARDIAN	7.0	ENGINEER	3.8	PROCEDURE	1.2
VULCANO P	7	GOLDLINE-RED	111	PRIMETIME PP-RED	110	EMACS	6.8	DAZZLIN	3.0	SHAMAN	1.2
NOBRAINER	7	PERFECT	110	PERFECT	110	PREPY	6.7	COLA RC	3.0	OPUS	1.2
PRIMETIME PP-RED	7	KEYSTONE	110	NOBRAINER	109	DAZZLIN	6.7	MORANT	3.0	ENGINEER	1.1
VOLSTAGG	6	WIZARD*RC	109	VOLSTAGG	108	PROCEDURE	6.7	PROCEDURE	2.9	MORANT	1.1
UPSWING	6	GLORY	109	SHAMAN	108	MECANICO	6.6	MECANICO	2.8	HYLANDER	1.1
FIRESTONE-RED	6	VULCANO P	108	SAKARUN P*RC	108	OVERJOY	6.5	OVERJOY	2.7	MONTY	1.1
SAKARUN P*RC	6	NOBRAINER	108	WOODY	107	DEFIANT	6.4	TONE	2.7	ZICO	1.1
COMPLETOR P-RED	6	BORESO	108	SWAIN PP	107	HOLYMOLY	6.3	CUMBO	2.4	MR XIN	1.1
BULLDOZER P-RED	6	WOODY	108	HYLANDER	107	MYSTICAL	6.2	ASGARDIAN	2.2	OVERJOY	1.0

MILK FEVER		DISPLACED AB		KETOSIS		US MASTITIS		CLINICAL MASTITIS		SUBCLINICAL MAST	
ESCAPADE	0.3	EMACS	1.0	PRAXIS	2.7	CLIFF	5.9	BORAX-RED	109	BORAX-RED	112
ONSTAGE	0.2	MYSTICAL	1.0	PROCEDURE	2.7	HOLYMOLY	4.2	PERFECT	108	PRIMETIME PP-RED	111
PREPY	0.2	HOMELAND	1.0	PREPY	2.6	OUTKAST	4.2	PRIMETIME PP-RED	107	PERFECT	110
NEW HAVANA-P	0.2	UPSWING	0.9	TUNE	2.4	HYLANDER	3.7	NOBRAINER	107	SHAMAN	110
TEASE	0.2	MORANT	0.9	ANVIL	2.4	PRAXIS	3.6	SAKARUN P*RC	107	NOBRAINER	109
HALFTIME	0.2	ORONO	0.9	BASTION-P	2.4	TYROL	3.5	HYLANDER	106	VOLSTAGG	109
PROCEDURE	0.1	OPUS	0.8	FRISSON	2.4	ZYMURGY	3.5	VOLSTAGG	106	SAKARUN P*RC	108
OPUS	0.1	OUT-OF-BOUND	0.8	GUAM	2.3	ENGINEER	3.5	GOLDLINE-RED	106	GLORY	108
JACKKNIFE	0.1	TICTOC	0.8	TYROL	2.3	SHAMAN	3.4	WOODY	106	BULLDOZER P-RED	108
HOLYMOLY	0.1	ASGARDIAN	0.8	TITUS-P	2.3	DRAGONBALL	3.4	DOLMEN	106	SWAIN PP	108

# Holstein Trait Leaders

## EFFICIENCY

CRV EFFICIENCY		FEED EFFICIENCY		LONGEVITY		FEED SAVED		RFI	
SHAMAN	27	SHAMAN	117	PRIMETIME PP-RED	913	SHAMAN	416	PARKER	-239
HYLANDER	23	HYLANDER	113	BORAX-RED	869	ONSTAGE	407	MYSTICAL	-230
ASGARDIAN	22	ASGARDIAN	113	SWAIN PP	777	MYSTICAL	393	HALFTIME	-219
OVERJOY	20	ONSTAGE	113	STEADY P*RC	733	EMACS	331	CLIFF	-214
STAR 2409	20	ESCAPADE	113	GOLDLINE-RED	731	PLAYA	331	PLAYA	-212
JIMBEAM	20	STAR 2409	112	GALLIVANT	712	HALFTIME	328	DEFIANT	-182
PHELPS	20	JIMBEAM	112	NOBRAINER	695	MECANICO	308	COLUMBO	-179
CARISMA RC*	19	DRAGONBALL	112	FIRESTONE-RED	671	ASGARDIAN	304	DRAGONBALL	-176
ZYMURGY	19	EMACS	111	KEYSTONE	661	DEFIANT	283	UPSWING	-175
ONSTAGE	19	OVERJOY	111	PERFECT	564	TICTOC	275	GAOCHAN	-153

## FERTILITY

CRV FERTILITY		FERTILITY INDEX		DPR		CCR		HCR	
GOLDLINE-RED	109	TUNE	1.6	TUNE	1.3	MECANICO	3.2	UPSWING	5.3
GUAM	107	CALVIN-P	1.6	EMACS	1.0	CALVIN-P	2.7	ENGINEER	4.4
COLUMBO	106	EMACS	1.5	MECANICO	1.0	MAXIUM	2.6	PREPY	3.9
UPSWING	106	JACKKNIFE	1.5	CALVIN-P	0.9	TYROL	2.5	ESCAPADE	3.9
EMACS	106	MECANICO	1.4	JACKKNIFE	0.7	EMACS	2.4	DAZZLIN	3.8
DAZZLIN	106	TYROL	1.3	TONE	0.7	JACKKNIFE	2.4	TYROL	3.7
VOLSTAGG	106	MAXIUM	1.2	TYROL	0.6	PREPY	2.4	OUTKAST	3.6
JACKKNIFE	106	PROCEDURE	1.2	MAXIUM	0.6	ASGARDIAN	2.4	COLUMBO	3.6
LAMONT-P	106	TONE	1.2	PROCEDURE	0.3	PROCEDURE	2.1	LAMONT-P	3.5
GALLIVANT	105	ENGINEER	1.2	ONSTAGE	0.3	OUTKAST	2.1	OUT-OF-BOUND	3.4

## CALVING TRAITS

SCE		DCE		EFC		GESTATION LENGTH		CALVING INTERVAL		BIRTH WEIGHT	
MECANICO	1.3	UPSWING	1.1	PHELPS	7.3	JARGON	-3.1	GOLDLINE-RED	107	FIRESTONE-RED	95
MONTY	1.4	INTRICATE	1.1	HOLYMOLY	6.8	HOTJAVA	-3.0	COMPLETOR P-RED	105	UNIVERSE P RC	95
SHAMAN	1.5	HAMMERHEAD	1.1	GALLIVANT	5.8	TICTOC	-2.8	BULLDOZER P-RED	104	POWERLIFT RF	96
COLUMBO	1.6	EMACS	1.4	ONSTAGE	5.8	PHELPS	-2.7	PRIMETIME PP-RED	104	PRODUCER	96
ASGARDIAN	1.6	MECANICO	1.5	GUAM	5.8	FUGLEMAN	-2.7	JACKKNIFE	104	GOLDLINE-RED	97
ZYMURGY	1.6	ZYMURGY	1.5	JACKKNIFE	5.8	MADDEN	-2.6	VOLSTAGG	104	COMPLETOR P-RED	97
ZURI	1.6	ZURI	1.5	DRAGONBALL	5.7	FRISSON	-2.6	EMACS	104	BULLDOZER P-RED	97
TITUS-P	1.6	JARGON	1.5	ENGINEER	5.7	ZURI	-2.5	GUAM	104	WIZARD*RC	97
VOLSTAGG	1.6	CALVIN-P	1.5	MYSTICAL	5.7	INTRICATE	-2.5	EMOJI P RED	103	MECANICO	97
UPSWING	1.7	COLUMBO	1.6	DAZZLIN	5.5	MECANICO	-2.5	FIRESTONE-RED	103	PRIMETIME PP-RED	98

## INDEXES

NM\$		GTPI		NVI		CM\$		FM\$		GM\$	
MYSTICAL	1323	ANVIL	3196	HYLANDER	364	MYSTICAL	1344	MYSTICAL	1183	MYSTICAL	1267
MECANICO	1222	OUTKAST	3176	BORAX-RED	345	MECANICO	1250	PHELPS	1110	MECANICO	1211
PHELPS	1221	PHELPS	3161	PRIMETIME PP-RED	320	PHELPS	1236	TEASE	1077	PHELPS	1182
OUTKAST	1171	HOTJAVA	3159	UNIVERSE P RC	316	OUTKAST	1191	OPUS	1067	EMACS	1145
EMACS	1163	HAMMERHEAD	3155	NOBRAINER	315	DAZZLIN	1185	EARLYSIGN	1064	OUTKAST	1142
TEASE	1163	PREPY	3142	FIRESTONE-RED	305	EMACS	1184	STAR 2409	1064	OPUS	1130
DAZZLIN	1159	OVERJOY	3129	SHAMAN	304	HOTJAVA	1179	SHAMAN	1062	HOTJAVA	1125
OVERJOY	1156	PRAXIS	3124	CARISMA RC*	303	OVERJOY	1177	OUTKAST	1041	OVERJOY	1112
EARLYSIGN	1153	TEASE	3110	GLORY	302	TEASE	1176	GAOCHAN	1040	JARGON	1111
ANVIL	1152	JARGON	3110	STEADY P*RC	300	ANVIL	1171	EMACS	1025	ANVIL	1100



## ROBOT TRAITS

ROBOT INDEX		ROBOT EFFICIENCY		ROBOT INTERVAL		TEAT LENGTH	
DOLMEN	114	TITUS-P	114	GOLDLINE-RED	109	CALVIN-P	1.02
TITUS-P	114	ZURI	114	GLORY	107	HALFTIME	0.81
DIXON	113	FUGLEMAN	113	UNIVERSE P RC	107	NEW HAVANA-P	0.77
ZYMURGY	113	LAMONT-P	113	FIRESTONE-RED	107	GAOCHAN	0.76
FUGLEMAN	113	DOLMEN	112	PERFECT	107	PARKER	0.73
OUT-OF-BOUND	112	ZYMURGY	112	BULLDOZER P-RED	106	TYROL	0.67
ZURI	112	DEFIANT	111	VULCANO P	106	ENGINEER	0.57
GOLDLINE-RED	111	MAXIUM	111	KEYSTONE	105	ORONO	0.54
PHELPS	111	MONTY	110	PRODUCER	104	EMACS	0.48
MONTY	111	MR XIN	110	SWAIN PP	104	BASTION-P	0.47

## CONFORMATION

PTAT	UDC	FLC	BWC	LOC					
PARKER	2.71	PARKER	2.48	ORONO	1.80	TYROL	1.75	SUNBURST-RED	115
MADDEN	2.60	ANVIL	2.23	PARKER	1.65	PARKER	1.00	PERFECT	112
ORONO	2.39	OUTLAW	2.17	BASTION-P	1.58	COLUMBO	0.86	SAKARUN P*RC	111
TYROL	2.16	CLIFF	2.17	COLA RC	1.03	MR XIN	0.77	PRIMETIME PP-RED	111
OUTLAW	2.11	COLA RC	2.16	TYROL	1.02	CLIFF	0.74	GLORY	110
OVERHOT	2.02	MR WU	2.14	ENGINEER	0.99	ORONO	0.73	KEYSTONE	110
MR WU	2.00	OAK	2.14	GALLIVANT	0.89	HOMELAND	0.72	GOLDLINE-RED	109
CLIFF	1.91	MADDEN	2.13	PRAXIS	0.86	CALVIN-P	0.65	FIRESTONE-RED	109
COLA RC	1.91	DEFIANT	2.10	UPSWING	0.86	ENGINEER	0.61	BULLDOZER P-RED	109
GALLIVANT	1.91	HIGHSTAKES	2.08	CALVIN-P	0.86	BASTION-P	0.46	EMOJI P RED	109

## CREATE

NAAB	NAME	GTPI	NM\$	PTAT	PEDIGREE
097HO43112	<b>ANVIL</b>	3196	1152	1.66	Maverick x Wheelhouse x Lionel
097HO43028	<b>OUTKAST</b>	3176	1171	1.80	Figaro x Gameday x Eisaku
097HO43027	<b>PHELPS</b>	3161	1221	0.82	Lionel x AltaPlinko x Discjockey
097HO42956	<b>HAMMERHEAD</b>	3155	1143	1.43	AltaOvertake x Wheelhouse x AltaZazzle
097HO43180	<b>OPUS</b>	3150	1147	1.42	Magnum x Granite x Millington
097HO43022	<b>PREPY</b>	3142	1115	1.73	Kahn x Parfect x Legacy
097HO43113	<b>MYSTICAL</b>	3106	1323	0.00	AltaMainstream x Moonrise x Fastball
097HO42852	<b>MECANICO</b>	3090	1222	0.47	AltaKevlow x AltaZazzle x AltaExplosion
097HO42913	<b>HYLANDER</b>	3058	1104	1.08	Holysmokes x Big Al x Reason
097HO42848	<b>COLA RC</b>	3057	1030	1.91	Fugleman x Rubels-Red x Medley
097HO42957	<b>CARISMA RC</b>	3009	1004	1.88	Fugleman x Rubels-Red x Salvatore RC

## OPTIMALBEEF

HOLSTIEN COWS x ANGUS						
NAAB	NAME	CED	BW	\$ANxHO	\$ANxJE	Rib Eye
097AN00069	SET APART	+3	+4.2	+214	+243	+1.24
097AN00062	DYNAMIC	+2	+2.8	+184	+208	+1.13
097AN00079	MONEY MARKET	+8	+1.2	+158	+173	+1.04
097AN00075	HOME FIELD	+7	+1.9	+218	+209	+0.85

HOLSTEIN HEIFERS x ANGUS						
NAAB	NAME	CE	BW	\$ANxHO	\$ANxJE	Rib Eye
097AN00057	EXCLAMATION	+11	-0.5	+158	+112	+0.70
097AN00080	RELENTLESS	+9	+0.8	+193	+199	+1.16
097AN00065	RUSH	+7	+0.9	+197	+185	+1.22
097AN00090	HOME RUN	+16	-0.2	+231	+222	+1.21

## CREATEPROGRAM

The CREATE program was designed to provide a partnership opportunity with CRV customers looking to accelerate their herd's genetic gain. Participating in the program allows for use of our future 'sires of sons' before they are publicly available.

Working with your CRV representative to understand and set your breeding goals is the first step in joining CREATE. Upon determining your goals align with the program, your representative will share the agreement and explain the incentives and requirements. The next step is choosing your bulls. CRV will provide first, exclusive access to the most promising up and coming sires.

**CREATE your future today!**

## OPTIMALBEEF

**Easy calving, great growth, high fertility.**

Add value to the calves leaving your dairy and improve the profitability of your operation with these Beef on Dairy approved sires from CRV.

# Holstein Trait Explanations

## CRV Herdbuilder Traits

In addition to the traditional U.S. traits we've become accustomed to, CRV brings you more than 20 additional proprietary traits and we call them our HerdBuilder Traits. These include traits such as the CRV Health and CRV Efficiency indexes. Look for the HerdBuilder Traits throughout this directory.



## HEALTH

**CRV HEALTH** - CRV Health indicates the extent to which a bull helps breed a healthier herd. A high score means that a bull's progeny will have reduced rates of mastitis and lameness, will calve easier and breed back sooner. A combination of nearly 60 traits produce this breeding value.

**Udder Health** - Udder health is an index calculated through mastitis and subclinical mastitis cases, in combination with routinely collected SCC expressions.

**Clinical Mastitis** - Direct breeding value for mastitis. Breeding value of 104 on a bull leads to daughters experiencing 4.0% lifetime lower incidence of mastitis.

**Subclinical Mastitis** - Direct breeding value for subclinical mastitis. Breeding value of 104 on a bull leads to daughters experiencing 4.0% lifetime lower incidence of mastitis.

**Hoof Health** - Hoof health is a measure of the frequency of hoof issues that an animal will experience using 12 hoof traits and 6 hoof disorders to calculate. The higher the score, the less hoof issues a cow will have.

**Fertility** - Fertility is made up of non-return rate, interval between first and last insemination, calving interval and 34 other fertility indicators. A higher score indicates a more fertile cow.

**Resilience** - The ability to be minimally affected by disturbances and/or recover quickly when affected by health disturbances. Resilience combines recovery (time to recover) and stability (number of disturbances). A breeding value of 100 indicates 10.9 days of recovery time and 3.8 disturbances.



## EFFICIENCY

**CRV EFFICIENCY** - CRV Efficiency indicates the extent to which a bull contributes to a more efficient herd. Improved milk and component production relative to feed intake while accounting for longevity, body condition, and calving interval.

**Longevity** - High longevity means less culling, lower rearing costs and above all, higher lifetime yields. The average score for longevity is 0 and is expressed in days.

**Feed Efficiency** - A measure of the conversion of feed intake into milk. Animals with a higher feed efficiency value will convert more milk from the same amount of feed as the average cow. The higher the breeding value, the more efficient the cow.

**MUN** - A measure of crude protein digestion efficiency and nitrate excretion. By reducing MUN in milk, animal health and efficiency increases. A breeding value below 0.0 indicates a lower than average urea content in milk.

**Persistency** - A measure of the animal's ability to produce at a flat lactation curve, maintaining milk production at a high level after peak. Higher score means high persistency.

**Temperament** - A measure of character, a higher score indicates a more calm, quiet animal.

## PRODUCTION

**Milk** - Predicted transmitting ability of pounds of milk in comparison to other cows of the breed born in the same base year.

**Fat** - Predicted transmitting ability of pounds of fat in comparison to other cows of the breed born in the same base year.

**Fat %** - Predicted transmitting ability of percent of fat within milk in comparison to other cows of the breed born in the same base year.

**Protein** - Predicted transmitting ability of pounds of protein in comparison to other cows of the breed born in the same base year.

**Protein %** - Predicted transmitting ability of percent of protein within milk in comparison to other cows of the breed born in the same base year.

**Lactose** - The breeding value measuring kilograms of lactose in comparison to the breed average which higher values indicating more lactose content.

**Lactose %** - Predicted transmitting ability of percent of lactose within milk in comparison to other cows of the breed born in the same base year.

**CFP** - Predicted transmitting ability of combined pounds of fat and protein.

**Somatic Cell Score** - Somatic Cell Score (SCS) indicates genetic susceptibility for udder health, as revealed through somatic cell count. Animals with PTA SCS of less than 3.0 are expected to transmit favorable udder health, while animals with PTA SCS greater than 3.0 are expected to have daughters with cell counts higher than breed average.

**Feed Saved** - Feed Saved indicates the expected reduction of feed consumed each lactation based on evaluations for Residual Feed Intake and Body Weight Composite. The trait is measured in pounds of dry matter intake.

**Residual Feed Intake** - Residual Feed Intake (RFI) is a measure of feed efficiency and is defined as the difference between an animal's actual feed intake and its expected feed intake based on its size and growth compared to the breed average base. RFI is independent of the level of production. The lower the RFI value, the more efficient the animal is.

## MILK ROBOT

**Robot Index** - With the goal of breeding cows with robot suitable traits and preventing negative udder health effects, this index combines Robot Efficiency, Robot Interval, Robot Habituation and the udder health index. A higher index value indicates daughters are more robot suitable in all aspects than average.

**Robot Efficiency** - Robot Efficiency measures kg of milk produced per minute during box time (time in the milking system). A higher Robot Efficiency value indicates more milk produced per minute while in the robot.

**Milking Interval** - A measure of the time between two successful visits to the robot. A breeding value higher than 100 results in a shorter milking interval, therefore more frequent visits to the robot.

To increase transparency of information sourcing, items on this page highlighted in gray are sourced from the Dutch base. Those highlighted in blue are sourced from the US base including CDCB health and production and HOUSA type.

# Holstein Trait Explanations

## CALVING TRAITS & FERTILITY

**Daughter Pregnancy Rate** - Daughter Pregnancy Rate (DPR) is a female fertility trait that predicts the percentage of non-pregnant cows that will become pregnant during each 21-day period compared to the breed base.

**Fertility Index** - The Fertility Index combines several reproductive components into one overall index: ability to conceive as a maiden heifer, ability to conceive as a lactating cow, and a cow's overall ability to start cycling again, show heat, conceive, and maintain a pregnancy.

**CCR** - Cow Conception Rate (CCR) is a female fertility trait predicting the lactating cow's ability to conceive, defined as the expected percentage to become pregnant at each insemination in comparison to the breed base.

**HCR** - Heifer Conception Rate (HCR) is a female fertility trait predicting the maiden heifer's ability to conceive, defined as expected percentage to become pregnant at each insemination in comparison to the breed base.

**Early First Calving (EFC)** - Defined in days, EFC is the age at first calving. If a bull transmits the genetics expected to reduce first calving by 2 days, his PTA for EFC would be +2.0 days. Heritability for EFC is 2.3% with reliability at 66% for Holsteins.

**Gestation Length** - Gestation Length (GL) is the expected influence the animal will have on the days that their female offspring carry their calves compared to the breed average base.

**Calving Interval** - Calving Interval (CI) is the breeding value used to predict the time between one calving and the next. A breeding value of 100 is considered average with the standard deviation being 4 and equaling 6.7 days difference in interval.

**Birth Weight** - Birth Weight (BW) is the expected weight of a bull's calf. A breeding value of 100 is considered average. A lower breeding value means a lower birth weight.

**Sire Calving Ease** - Sire Calving Ease (SCE) predicts the tendency of service sires to produce offspring that are delivered easily, expressed as percentage of births of bull calves coded for first calf heifers compared to other AI bulls born in 2015.

**Sire Stillbirth** - Sire Stillbirth (SSB) predicts the tendency of service sires to produce offspring that are stillborn (dead at birth or within 48 hours of birth), expressed as percent compared to other A.I. bulls born between 2011 and 2015.

**Daughter Calving Ease** - Daughter Calving Ease (DCE) predicts the tendency of the daughters of sires to have offspring that are delivered easily, expressed as percentage of births of bull calves that are difficult in first calf heifers compared to other A.I. bulls born in 2010.

**Daughter Stillbirth** - Daughter Stillbirth (DSB) predicts the tendency of the daughters of sires to have offspring that are stillborn (dead at birth or within 48 hours of birth), expressed as percent compared to other A.I. bulls born between 2006 and 2010.

To increase transparency of information sourcing, items on this page highlighted in gray are sourced from the Dutch base. Those highlighted in blue are sourced from the US base including CDCB health and production and HOUSA type.

## CDCB HEALTH TRAITS

**Productive Life** - Productive Life (PL) predicts the time that female offspring are expected to remain in the milking herd before removal by culling or death, expressed as difference in months of productivity compared to the breed base.

**Cow Livability** - Cow Livability (CLV) predicts the difference in female offspring expected to remain alive while in the milking herd expressed in percentage points from the breed base.

**Heifer Livability** - Heifer Livability (HLV) predicts the difference in female young offspring expected to remain alive between 2 days after birth and 18 months of age expressed in percentage points from the breed base.

**Calf Survival** - A measure of survival from day 3-365 of life. A higher breeding value indicates a higher chance of surviving the first year of life.

**Milk Fever** - Expected resistance of an animal's offspring to hypocalcemia (milk fever) compared to the breed average base expressed in percentage points.

**Displaced Abomasum** - DAB is the expected resistance of an animal's offspring to displaced abomasum (DA) compared to the breed average base expressed in percentage points.

**Ketosis** - The expected resistance of an animal's offspring to ketosis compared to the breed average base expressed in percentage points.

**US Mastitis** - The expected resistance of an animal's offspring to clinical mastitis compared to the breed average base expressed in percentage points.

**Metritis** - The expected resistance of an animal's offspring to metritis compared to the breed average base expressed in percentage points.

**Retained Placenta** - The expected resistance of an animal's offspring to retained placenta compared to the breed average base expressed in percentage points.

## INDEXES

**Net Merit** - Net Merit (NM\$) indicates the additional net profit a daughter is expected to provide over her lifetime as compared to the breed base. Over 40 economically important traits are involved in the calculation of NM\$.

**Cheese Merit** - Cheese Merit (CM\$) utilizes the same traits as NM\$, but places a negative weight on PTA Milk and more emphasis on pounds of protein and SCS. This index is designed for herds focused on milk production for cheese.

**Fluid Merit** - Fluid Merit (FM\$) utilizes the same traits as NM\$ but places more weight on PTA Milk and no weight on protein. This index is designed for herds in fluid milk markets.

**Grazing Merit** - Grazing Merit (GM\$) was created for pasture-based herds using intensive grazing. As compared to the other M\$ indexes, fertility receives 2.5 times more emphasis, as well as increased emphasis on production yield, longevity, livability and udder health.

**GTPi®** - The Genomic Total Performance Index (GTPi®) is calculated by Holstein Association USA as a reference for breeders. This index includes 14 traits within the 3 major categories of production, health & fertility, and conformation.

**NVI** - NVI stands for the Netherlands-Flanders Index and is focused on improving production and longevity and producing more fertile, healthier cows. Four major components create NVI: production, feed efficiency, health and conformation.

# Holstein Trait Explanations

## CONFORMATION

**PTAT** - Predicted Transmitting Ability Type refers to the genetic merit of total conformation that a bull transmits to his offspring. This value is calculated by Holstein Association USA.

**Udder Composite** - Udder Composite (UDC) is an index calculated by Holstein Association USA to promote a well formed, capacious udder with strong attachments. Nine udder conformation traits are included in this index.

**Feet & Leg Composite** - Feet & Leg Composite (FLC) is an index calculated by Holstein Association USA to promote superior mobility, steeper foot angle, wider rear leg stance and slightly straight rear legs as viewed from the side. Four components are included in the calculation of this index.

**Body Weight Composite** - Body Weight Composite (BWC) is an index calculated by Holstein Association USA to account for body size and dairy form. Five components are included in the calculation of this index.

**Locomotion** - Locomotion (LOC) is a measure of how freely the cow moves on her feet and legs. This trait is evaluated by trained classifiers and a higher score indicates a cow that moves easier.

## ADDITIONAL INFORMATION

**GFI** - Genomic Future Inbreeding (GFI) is an estimation of future progeny genomic inbreeding assuming an animal is randomly mated to genomically tested animals within its breed.

**Beta Casein** - Genotype for beta casein determines whether an

animal produces A2A2, A1A2, or A1A1 milk. A2A2 beta casein milk is desired because of the possible association with greater digestibility for individuals who are intolerant to dairy products.

**Kappa Casein** - Kappa Casein is a key protein in cheese making. The BB genotype is favorable in cheese making ability.

**Lactoglobulin** - The major protein found in whey and found to be a major allergen in cows' milk. Variant A and Variant B have been identified. The A variant is associated with increased milk yield and whey protein content and higher relative concentration of beta-lactoglobulin compared to the B variant. The B variant is associated with increased casein and fat content and is favorable for cheese production. Animals testing A/A will produce higher amounts while animals testing B/B will produce lower amounts.

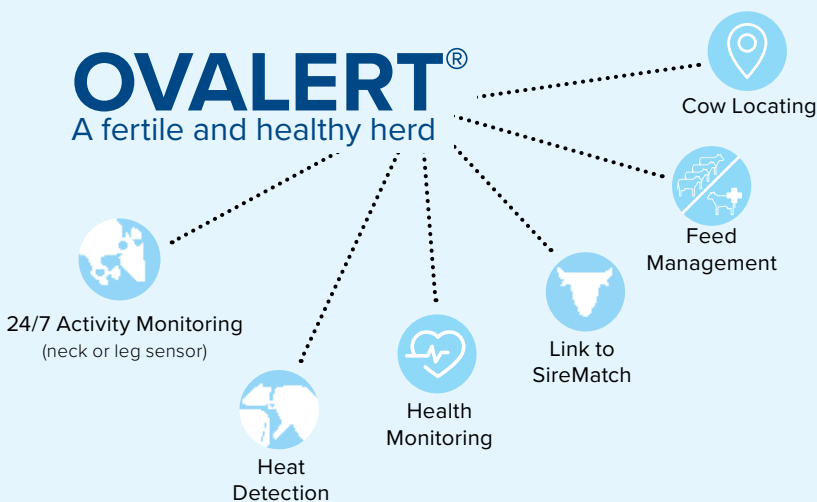
**PROVEN** - Bulls with at least 10 milking daughters contributing to the genetic evaluation.

**POLLED** - Bulls who carry the polled gene, either homozygous or heterozygous.

**NEW** - Bulls added to the CRV lineup with the current genetic evaluation cycle.

**CREATE** - CRV early release sires available with a signed Genetic Partnership agreement. To use the best and brightest sires today, contact your local representative for details and a copy of the contract.

**FEED EXCEL** - Bulls designated as the most efficient in the CRV line up who provide daughters to develop a highly productive herd delivering more milk with less feed.



## Keep an Eye on Every Animal

### Fewer Health Problems

- ▶ Health Signals Detected
- ▶ Lower Risk of Sick Cows & Heifers
- ▶ Lower Health Costs & Lower Culling
- ▶ More Milk per Cow, Higher Efficiency
- ▶ Evaluate Feed Management for Improvement

### Better Fertility Results

- ▶ Optimal Heat Detection
- ▶ Precise Insemination Timing
- ▶ Higher Conception Rate
- ▶ Lower Fertility Costs & Optimal Calving Interval
- ▶ Direct Mating Advice when used with SireMatch





# OPTIMALBEEF

## Optimize Profit & Optimize Genetics

Compare the Market:

**Holstein Bull Calves:**  
Average \$465 - \$715

**Beef/Beef Cross Calves:**  
Average \$550 - \$850

**Up to \$135 per calf\***  
**unrealized profit!**

\*based on March 2024 Wisconsin calf market

CRV core values focus on delivering the genetic solutions producers need to build better cows for a better life. Regardless of size, location, and management — we help producers improve their operation each year and take them to the next level of success.

**OPTIMALBEEF** is the solution for added value in calves leaving the dairy and improved profitability throughout the operation. Breed and select for replacements by utilizing sorted dairy semen on the best cows in the herd, those genetically superior with pedigrees that have proven profitable. Use the CRV **OPTIMALBEEF** crossbreeding approach on the less profitable females in the herd, those not ideal for producing replacements. This group is bred to beef for added value in the offspring which will leave the operation.

Utilize **OPTIMALBEEF** approved sires to develop a more profitable and easier to manage herd.

### HOLSTEIN COWS X ANGUS

NAAB	Name	CED	Birth Weight	\$ANxHO	\$ANxJE	Rib Eye
097AN00069	SET APART	+3	+4.2	+214	+243	+1.24
097AN00086	DRILLER	+6	+2.2	+166	+188	+0.99
097AN00079	MONEY MARKET	+8	+1.2	+158	+173	+1.04
097AN00075	HOME FIELD	+7	+1.9	+218	+209	+0.85

### HOLSTEIN HEIFERS X ANGUS

NAAB	Name	CED	Birth Weight	\$ANxHO	\$ANxJE	Rib Eye
097AN00057	EXCLAMATION	+11	-0.5	+158	+112	+0.70
097AN00080	RELENTLESS	+9	+0.8	+193	+199	+1.16
097AN00065	RUSH	+7	+0.9	+197	+185	+1.22
097AN00090	HOME RUN	+16	-0.2	+231	+222	+1.21







Breeding for Feed Efficiency

# Proven Path to Profitability

## LESS FEED HIGHER MARGINS

Backed by years of cooperation with farmers and leading developments in science, CRV **FeedExcel** uses our creation of the largest, most reliable feed intake dataset of lactating cows in the world. This breeding strategy promises a highly productive herd delivering more milk with less feed. The proven path to higher margins and lower emissions.

- ▶ **25% more milk\***  
or
- ▶ **25% less feed\***  
and
- ▶ **25% less methane by 2050**

\*Based on CRV's own research on commercial dairy farms where the 25% best cows for feed efficiency were compared to the 25% lowest.



[CRV4ALL.US](https://www.crv4all.us)