

Lot	Vendor
12	Edward Bleakley - Aughnacor Derrylane Killeshandra Co Cavan
10	Nicky Byrne - Clare Oughterard Co. Galway
2, 3, 6	Joe Clancy - Gortreevagh Oughterard Co Galway
15, 30	Kenneth Clarke - Ballyfinan Ardnacrusha Co Clare
7	Oliver Conway - Scardaune Claremorris Co Mayo
34	Rory Cullen - Esker South Killoe Co Longford
13, 16	Declan Dalton - Dirreen Athea Co Limerick
9, 11	Patrick Daveron - Inchiquin Ower Co Galway
24, 40, 41	William Flynn - Tullyvillage Newbridge Ballinasloe Co Galway
36	Richard Hackett - Coolistigue Clonlara Co Clare
31, 37	Michael F Harrison - Shammer Kilkelly Co Mayo
8, 18	Patrick Hillary - Whitepark Woodlawn Ballinasloe Co Galway
21	Charles J Hughes - Lankhill Westport Co Mayo
5	Jarlath Joyce - Shinanagh Mayo Abbey Claremorris Co. Mayo
22, 39	Mattie Kelly - Cloughbrack Newbridge Ballinasloe Co Galway
1, 23	David Kenny - Woodstock Ballindine Co Mayo
38	John Lynn - Enniscoe Castlehill Ballina Co Mayo



Lot	Vendor
4, 19	Aiden Mac Hale - Knockanillaun Ballina Co Mayo
28	Andrew Mc Govern - Gubbs Cloone Co Leitrim
27, 35	Frank Mc Govern - Greenville House Carrigallen Co Leitrim
32	Brian O'Donnell - Ballinphuil Cummer Tuam Co. Galway
14, 26	Eamonn Quinlivan - Liscullane Tulla Co Clare
20, 29	Francis Ryan - Fahy Rosscahill Co Galway
17, 25, 33	Alan Wood - Cloonamine House Crossmolina Co Mayo



Lot Vendor



Lot Vendor

Lot 1 CASTLEWOOD LIAM ET **ID:** IE271874750367 **Breed:** Charolais Sex: Male **DOB:** 21-Sep-2015 Owner: David Kenny - Woodstock Ballindine Co Mayo Breeder: **Oldstone Egbert** Sire: Lochend Apache Derryharney Arney Isobel S1414 **Outstanding Chanterhill Impulse Lochend Molly Balthayock Heritage** Berlioz Dam: Castlewood Fionnuala Et Major IE271874740250 Charmille Hidalgo Merveille **Biche** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €139 44% **** **** **Terminal Index** (Average) €47 40% *** Replacement Index (Average) **Maternal Cow Traits:** -€33 39% **Maternal Progeny Traits:** €80 44% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) 40% +10.1% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.05 55% *** *** Breed ave: 0.04, All breeds ave: 0.01 (Average) scale Carcass weight (kg) 50% **** +47kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +2.21 43% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.8% 37% Breed ave: 5.31%, All breeds ave: 5.9% (Low) *** \star Daughter Milk (kg) -2.3kg 38% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg $\star\star$ Daughter calving interval (days) +0.79days 36% Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability Muscle 112 17% 17% Skeletal 120 108 17% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 2 WESTERN LAD **ID:** IE181306140333 **Breed:** Charolais Sex: Male **DOB:** 15-Oct-2015 Owner: Joe Clancy - Gortreevagh Oughterard Co Galway Breeder: Vicomte Sire: Prime Roberto Indurain Tombola **PBT Prime Noelle** Jupiter **Knockane Cynthia** Valois Dam: Western Fancy **Excellent** IE181306180246 Angele **Dovea Gin Tonic** Western Una Western Sunshine Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €125 50% **Terminal Index** $\star\star\star\star$ $\star\star\star\star$ (Average) €32 49% $\star\star\star$ Replacement Index \star (Average) **Maternal Cow Traits: -€**49 48% **Maternal Progeny Traits:** €81 50% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) 50% +6% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.05 57% *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 52% $\star\star\star$ +31kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.84 48% $\star\star\star$ **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.55% 46% Breed ave: 5.31%, All breeds ave: 5.9% (Average) $\star\star$ \star 49% Daughter Milk (kg) -6.2kg (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg *** $\star\star\star$ Daughter calving interval (days) -0.57days 46% Breed ave: -0.74days, All breeds ave: -0.59days (Average) **Additional Information:** Linear composites Value Reliability Muscle 105 52% 50% Skeletal 107 130 30% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 3 WESTERN LORD 2 **ID:** IE181306150334 **Breed:** Charolais Sex: Male **DOB:** 02-Nov-2015 Owner: Joe Clancy - Gortreevagh Oughterard Co Galway Breeder: Vicomte Sire: Prime Roberto Indurain Tombola **PBT Prime Noelle** Jupiter **Knockane Cynthia Impair** Dam: Western Gloria **Pinay** IE181306130266 Mary Meillard Rj Western Erin Western Treasure Island Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €161 49% **** **Terminal Index** **** (Average) €83 48% **** *** Replacement Index (Average) **Maternal Cow Traits:** -€23 47% **Maternal Progeny Traits:** €106 50% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +6.3% 50% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.05 56% *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 52% **** +42kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) 48% +2.1 **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.14% 46% Breed ave: 5.31%, All breeds ave: 5.9% (Average) *** \star Daughter Milk (kg) -2.8kg 47% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg *** *** Daughter calving interval (days) -1.38days 45% Breed ave: -0.74days, All breeds ave: -0.59days (Average) **Additional Information:** Linear composites Value Reliability Muscle 106 51% 49% Skeletal 114 123 29% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 4 GARRACLOON LAURENCE **ID:** IE271017740208 **Breed:** Charolais Sex: Male **DOB**: 04-Nov-2015 Owner: Aiden Mac Hale - Knockanillaun Ballina Co Mayo Breeder: **Balthayock Adonis** Sire: Alwent Goldbar (Et) Blelack Digger **Galcantray Abbey** CH2199 **Alwent Daffodil Alwent Vougeot Alwent Abbey Pantheon** Dam: Garracloon Irene **Angelus** IE271017720148 Moisson **Domino** Garracloon Carmel **Garracloon Ursula** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €162 27% **** **Terminal Index** **** (Low) €102 18% **** **** Replacement Index (V Low) **Maternal Cow Traits:** €9 14% **Maternal Progeny Traits:** €92 28% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +12.8% 33% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.16 44% **** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 33% **** **** +56kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Low) Carcass conformation (1-15 scale) +2.02 25% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.33% 11% Breed ave: 5.31%, All breeds ave: 5.9% (V Low) **** ** Daughter Milk (kg) -0.5kg 15% (V Low) Breed ave: -4.53kg, All breeds ave: 2.04kg *** Daughter calving interval (days) 8% -0.73days Breed ave: -0.74days, All breeds ave: -0.59days (V Low) **Additional Information:** Linear composites Value Reliability Muscle 122 45% 43% Skeletal 133 86 21% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 5 SHIN(ID: IE2718181505	GANAGH LESTER 644 Breed: Charolais			
Sex: Male	DOB : 09-Nov-2015			
Owner: Jarlath Jo	yce - Shinanagh Mayo Abbey Claremor	ris Co. M	ayo	
Breeder:				
Sire: Hideal HJD	Dakota		UnfameuxUne Danse	
	Bichette		− Volcan − Uppee	GENOTYPED
Dam: Shinganagh IE271818110458	Heidi Lyonsdemesne Tzar —		DominoKilboy Frivole (In	mp 91f)
	Shinganagh Ursula —		Doonally NewMayo Roseann	
Star Rating (Within Charolais breed)	Economic Indexes	€uro val per proge		Star rating (across all beef breeds)
***	Terminal Index	€130	44% (Average)	****
****	Replacement Index	€88	41% (Average)	***
	Maternal Cow Traits :	€6	39%	
	Maternal Progeny Traits :	€82	45%	
	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perfor	mance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+7.8%	49% (Average)	
****	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Average)	****
***	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+35kg	45% (Average)	****
***	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+1.99 scale	46% (Average)	****
	Expected daughter breeding	g perforn	nance	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+4.41%	37% (Low)	
***	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-3.9kg	39% (Low)	*
****	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-2.99da /s	ays 36% (Low)	****
Additional Informat	ion:		Linear compo	sites Value Reliability
			Muscle	
			Skeletal	
			Function	
Animaliati			Herd data qua	lity index
Animal not scored.			N/A	

Lot 6 WESTERN LUCKY **ID:** IE181306170336 **Breed:** Charolais Sex: Male **DOB:** 14-Nov-2015 Owner: Joe Clancy - Gortreevagh Oughterard Co Galway Breeder: **Tambour** Sire: Excellent **Valois** Sonia **EXT** Romeo Angele Sieonie Invincible Dam: Western Erin Meillard Ri IE181306190230 **Badine Jumper Western Treasure** Inchincummer Hilda Island Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €127 50% **Terminal Index** $\star\star\star\star$ **** (Average) €76 49% **** *** Replacement Index (Average) **Maternal Cow Traits:** -€8 48% **Maternal Progeny Traits:** €84 50% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) 50% +5.8% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) -0.0457% \star $\star\star$ Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 52% $\star\star\star$ +33kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.98 49% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.49% 47% Breed ave: 5.31%, All breeds ave: 5.9% (Average) *** \star 49% Daughter Milk (kg) -2.4kg (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg **** **** Daughter calving interval (days) -3.73days 46% Breed ave: -0.74days, All breeds ave: -0.59days (Average) **Additional Information:** Linear composites Value Reliability Muscle 99 52% 50% Skeletal 103 101 31% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 7 SCARDAUNE LEONARD **ID:** IE271886710375 **Breed:** Charolais Sex: Male **DOB**: 21-Nov-2015 Owner: Oliver Conway - Scardaune Claremorris Co Mayo Breeder: **Berlioz** Sire: Derryowen Harvey Roughan Echo IE161931490053 Reveuse **Derryowen Debbie** Roughan Viceroi **Derryowen Raquelle** Sublime Dam: Scardaune Faye T-Urambo IE271886740295 Javanaise Loreto Scardaune Ursula **Bruyere** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €111 21% $\star\star$ **Terminal Index** $\star\star\star\star$ (Low) €52 18% *** $\star\star$ Replacement Index (V Low) **Maternal Cow Traits: -€**18 16% **Maternal Progeny Traits:** €70 22% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +7.9% 27% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.13 43% **** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 28% $\star\star\star$ +33kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Low) Carcass conformation (1-15 scale) +1.65 19% *** $\star\star$ Breed ave: 1.84.All breeds ave: 1.32 scale (V Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +3.95% 10% Breed ave: 5.31%, All breeds ave: 5.9% (V Low) *** \star Daughter Milk (kg) -3kg 18% (V Low) Breed ave: -4.53kg, All breeds ave: 2.04kg *** *** Daughter calving interval (days) -0.25days 14% Breed ave: -0.74days, All breeds ave: -0.59days (V Low) **Additional Information:** Linear composites Value Reliability Muscle 104 46% 44% Skeletal 117 98 15% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 8 WHITEPARK LIAM **ID:** IE182053980533 **Breed:** Charolais Sex: Male **DOB**: 23-Nov-2015 Owner: Patrick Hillary - Whitepark Woodlawn Ballinasloe Co Galway Breeder: **Porto** Sire: Guepard Texan-Gie Marquise **GPD** Slovenie Ibob **Epopee Hermes** Dam: Whitepark Alice **Doonally New** IE182053940190 Intruse Vern Indigo Whitepark Rena Rathbane (Awm) Helen Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €115 35% **Terminal Index** $\star\star\star$ $\star\star\star\star$ (Low) €18 26% Replacement Index \star (Low) **Maternal Cow Traits:** -€42 22% **Maternal Progeny Traits:** €60 35% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +12.6% 37% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.12 42% **** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 40% *** +36kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +2.04 **** 35% **** Breed ave: 1.84.All breeds ave: 1.32 scale (Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.04% 19% Breed ave: 5.31%, All breeds ave: 5.9% (V Low) $\star\star\star$ \star Daughter Milk (kg) -4.8kg 27% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg Daughter calving interval (days) +0.83days 16% Breed ave: -0.74days, All breeds ave: -0.59days (V Low) **Additional Information:** Linear composites Value Reliability Muscle 114 43% 41% Skeletal 133 119 24% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 9 INCHIQUIN LORCAN **ID:** IE181552150531 **Breed:** Charolais Sex: Male **DOB:** 02-Dec-2015 Owner: Patrick Daveron - Inchiquin Ower Co Galway Breeder: Ludwig Sire: Leagaun Figaro **Panama** Marquise **FGG** Lyonsdemesne Indurain Claudia Lyonsdemesne Ulricka Oriental Dam: Blackhill Heidi **Bova Sylvain** IE181768420510 Jacobine **Padirac Blackhill Diva Blackhill Rebecca** Star Rating (Within €uro value Index Star rating (across **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €114 33% $\star\star\star$ **Terminal Index** $\star\star\star\star$ (Low) 24% -€17 Replacement Index \star \bigstar (Low) **Maternal Cow Traits:** -€82 21% **Maternal Progeny Traits:** €65 33% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +10.1% 35% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.01 43% $\star\star$ $\star\star\star$ Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 40% *** **** +35kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.92 33% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.45% 18% Breed ave: 5.31%, All breeds ave: 5.9% (V Low) \bigstar \star Daughter Milk (kg) -8.8kg 23% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg Daughter calving interval (days) +0.88days 15% Breed ave: -0.74days, All breeds ave: -0.59days (V Low) **Additional Information:** Linear composites Value Reliability Muscle 114 44% 42% Skeletal 115 115 19% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 10 PERENNIAL LAURENCE **ID:** IE182800810003 **Breed:** Charolais Sex: Male **DOB**: 02-Dec-2015 Owner: Nicky Byrne - Clare Oughterard Co. Galway Breeder: **Balmyle Thunderbird** Sire: Blelack Digger Balthavock Adonis -**Balthayock Peach** S956 **Blelack Montgomery Galcantray Abbey Blelack Rachel** Invincible Dam: Weststar Emma **Bova Oniraloin** IE181296030137 Lisbonne Vera Cruz **Weststar Cheryl Gurtavalla Unprincess** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** per progeny Reliability all beef breeds) Charolais breed) €155 47% **** **Terminal Index** **** (Average) €105 43% **** **** Replacement Index (Average) **Maternal Cow Traits:** €2 41% **Maternal Progeny Traits:** €103 48% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +5.8% 50% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.09 53% **** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 51% **** +43kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.64 47% **** \bigstar Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.92% 40% Breed ave: 5.31%, All breeds ave: 5.9% (Average) **** \star Daughter Milk (kg) -1.5kg 44% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg $\star\star\star$ $\star\star\star$ Daughter calving interval (days) 37% -0.52days Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability 105 27% Muscle 27% Skeletal 131 105 26% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 11 INCHIQUIN LIAM **ID:** IE181552160532 **Breed:** Charolais Sex: Male **DOB:** 02-Dec-2015 Owner: Patrick Daveron - Inchiquin Ower Co Galway Breeder: Ludwig Sire: Leagaun Figaro **Panama** Marquise **FGG** Lyonsdemesne Indurain Claudia Lyonsdemesne Ulricka Meillard Ri Dam: Inchiquin Fiona **Pirate** IE181552140316 **Banquise Boyannagh Nova Inchiquin Victoria** Claureen Odessa Star Rating (Within €uro value Index Star rating (across **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €134 33% **Terminal Index** $\star\star\star\star$ $\star\star\star\star\star$ (Low) €43 25% $\star\star\star$ $\star\star$ Replacement Index (Low) **Maternal Cow Traits:** -€41 22% **Maternal Progeny Traits:** €84 34% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +7.6% 35% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.06 43% *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 40% *** +36kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.94 34% *** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.18% 19% Breed ave: 5.31%, All breeds ave: 5.9% (V Low) \star \star Daughter Milk (kg) -7.1kg 23% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg *** *** Daughter calving interval (days) -1.72days 16% Breed ave: -0.74days, All breeds ave: -0.59days (V Low) **Additional Information:** Linear composites Value Reliability Muscle 111 44% 42% Skeletal 117 112 19% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 12 AUG ID: IE1215828507	HNACOR LENDA 15 Breed: Charolais			
Sex: Male	DOB: 07-Dec-2015			
	leakley - Aughnacor Derrylane Killeshar	ndra Co Cav	an e	
Breeder:				
Sire: Fleetwood	Sylvaner		Igloo	
FWO			Jupe	
	Belle		Pinay Ulla	GENOTYPED
Dam: Aughnacor Ge IE121582830548	emma Pirate —		Meillard Rj Banquise	
	Aughnacor Ellis		Rockview Phanto Aughnacor Venn	
Star Rating (Within Charolais breed)	Economic Indexes	€uro value per progeny	Index Reliability	Star rating (across all beef breeds)
****	Terminal Index	€135	46% (Average)	****
***	Replacement Index	€57	43% (Average)	**
	Maternal Cow Traits :	-€31	42%	
	Maternal Progeny Traits :	€88	47%	
	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perform	rmance	_	
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+6.8%	49% (Average)	
****	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Average)	****
***	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+31kg	47% (Average)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.35 scale	46% (Average)	****
	Expected daughter breeding	g performa	nce	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+4.37%	42% (Average)	
**	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-6.5kg	46% (Average)	*
****	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-2.12days ys	38% (Low)	***
Additional Informati	ion:		Linear compos	sites Value Reliability
			Muscle	
			Skeletal	
			Function	
Animal not scored.			Herd data qua	lity index

Lot 13 QUA ID: IE2417331104		Twin to	Female	
Sex: Male	DOB : 10-Dec-2015			
Owner: Declan Da	alton - Dirreen Athea Co Limerick			
Breeder:				
Sire: Cloverfield Ex	celent Domino —		Aimable Anemone	
	Cloverfield Una		Pirate Cloverfield Prince	ess GENOTYPED
Dam: Quarry Fionn IE241733130359	uala 1 Pirate —		Meillard Rj Banquise	
	Twilight Oma —		Jupiter Clandonagh Girl	
Star Rating (Within Charolais breed)	Economic Indexes	€uro value per progen		Star rating (across all beef breeds)
****	Terminal Index	€145	46% (Average)	****
***	Replacement Index	€40	46% (Average)	*
	Maternal Cow Traits :	-€48	46%	
	Maternal Progeny Traits :	€88	46%	
	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perfor	mance	·	
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+9%	47% (Average)	
*	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Average)	*
****	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+39kg	47% (Average)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.22 scale	47% (Average)	****
	Expected daughter breeding	g performa	ince	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+3.55%	45% (Average)	
*	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-8.7kg	49% (Average)	*
****	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-2.92days	43% (Average)	****
Additional Informat	ion:		Linear compos	sites Value Reliability
			Muscle	
			Skeletal	
			Function	
			Herd data qual	lity index
Animal not scored.			N/A	

ID: IE1318254708				
Sex: Male	DOB: 13-Dec-2015			
Owner: Eamonn C	Quinlivan - Liscullane Tulla Co Clare			
Breeder:				
Sire : Pirate PTE	Meillard Rj —		Invincible Badine	
	Banquise		Voltaire Proie	
Dam: Liscullane Ga IE131825440735	la Saphir —		Igloo Joconde	
	Liscullane Daffodil —		Doonally Nicefor Liscullane Ull	
Star Rating (Within Charolais breed)	Economic Indexes	€uro valu per progei		Star rating (across all beef breeds)
***	Terminal Index	€128	33% (Low)	****
***	Replacement Index	€43	34% (Low)	**
	Maternal Cow Traits :	-€42	34%	
	Maternal Progeny Traits:	€85	33%	
	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
,	Expected progeny perfor	mance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+5.7%	35% (Low)	
*	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Low)	**
***	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+31kg	35% (Low)	****
***	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+1.81 scale	34% (Low)	****
	Expected daughter breeding	g perform	ance	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+5.12%	30% (Low)	
***	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-4.6kg	38% (Low)	*
***	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-0.66day (s	/s 32% (Low)	***
Additional Informati	ion:		Linear compos	sites Value Reliability
			Muscle	
			Skeletal	
			Function	
Animal not scored.			Herd data qua	lity index

Lot 15 BALLYFINNANE LAMBERT **ID:** IE131622060353 **Breed:** Charolais Sex: Male **DOB:** 13-Dec-2015 Owner: Kenneth Clarke - Ballyfinan Ardnacrusha Co Clare Breeder: Rio Sire: Elgin Davinci **Tyrol** Japonaise ECZ Rumsden Samurai Elgin Ultra **Elgin Renee** Ludwig Dam: Derrygulline Fuschia **Panama** IE271061730262 Marquise ljoufflu Rr3 **Garracloon Breda Garracloon Ursula** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €154 43% **** **** **Terminal Index** (Average) €46 40% *** Replacement Index (Average) **Maternal Cow Traits:** -€43 39% **Maternal Progeny Traits:** €89 44% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +11.7% 48% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.07 47% *** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 44% **** **** +50kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +2.07 42% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.74% 38% Breed ave: 5.31%, All breeds ave: 5.9% (Low) *** \star Daughter Milk (kg) -2.9kg 42% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg $\star\star$ Daughter calving interval (days) 35% -0.01days Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability 115 33% Muscle Skeletal 124 32% 115 22% **Function** Herd data quality index Animal scored. Scores or weaning weights NOT included in evaluation

Lot 16 QUA ID: IE2417331304 Sex: Male	RRY LEDGER 33 Breed: Charolais DOB: 15-Dec-2015			
	alton - Dirreen Athea Co Limerick			
Breeder:	alton - Direen Athea Co Limenck			
Sire: Crossmolina ECSQ	Euro Thrunton Voldemort —		Burradon Talism Thrunton Starba	
	Crossmolina Una		Doonally New Crossmolina Rel	Decca
Dam: Quarry Ann IE241733110299	Domino		Aimable Anemone	
	Ballycloughan Mira		Doonally Fabus Ballyclougher Ed	del
Star Rating (Within Charolais breed)	Economic Indexes	€uro value per progeny	Index Reliability	Star rating (across all beef breeds)
****	Terminal Index	€157	48% (Average)	****
*	Replacement Index	-€11	46% (Average)	*
	Maternal Cow Traits :	-€105	45%	
	Maternal Progeny Traits :	€94	49%	
Ctor Doting (Mithin	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perfor	mance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+9.9%	51% (Average)	
***	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Average)	***
****	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+42kg	48% (Average)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.75 scale	48% (Average)	****
	Expected daughter breeding	g performa	nce	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+6.49%	45% (Average)	
*	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-9kg	48% (Average)	*
*	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	+1.31days /s	41% (Average)	*
Additional Informati	ion:		Linear compose Muscle Skeletal Function	
Animal not scored.			Herd data qua	lity index

Lot 17 CROSSMOLINA LAMBERT ET

ID: IE271115291076 **Breed:** Charolais Sex: Male **DOB:** 20-Dec-2015



Breeder:

PBT



Prime Noelle



Hermes Dam: Crossmolina Ailish **Doonally New** IE271115270456 Intruse

> **Richmond Northern Star** Crossmolina Crossmolina Lucy Rebecca

Tombola

Jupiter

Knockane Cynthia

Star Rating (Within Charolais breed)	Economic Indexes	€uro value per progeny	Index Reliability	Star rating (across all beef breeds)
****	Terminal Index	€163	50% (Average)	****
*	Replacement Index	€1	48% (Average)	*
	Maternal Cow Traits:	-€99	48%	
	Maternal Progeny Traits:	€100	49%	
	Dairy Beef			

Charolais breed)	Key profit traits	Index Value	Trait Reliability	all beef breeds)		
Expected progeny performance						
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+9.4%	47% (Average)			

	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+9.4%	47% (Average)	
***	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	0.04 scale	48% (Average)	***
****	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+49kg	54% (Average)	****
***	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+1.83 scale	50% (Average)	****

Expected daughter breeding performance

Expedica daugiter breeding performance					
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+5.45%	47% (Average)		
*	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-7.8kg	50% (Average)	*	
*	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	+2.5days	46% (Average)	*	

Additional Information:

Star Rating (Within

Linear composites	Value	Reliability
Muscle	109	31%
Skeletal	126	31%
Function	131	30%

Herd data quality index

Animal scored. Linear scores and weaning weights in evaluations

Lot 18 WHITEPARK LUKE **ID:** IE182053910535 **Breed:** Charolais Sex: Male **DOB**: 25-Dec-2015 Owner: Patrick Hillary - Whitepark Woodlawn Ballinasloe Co Galway Breeder: **Porto** Sire: Guepard Texan-Gie Marquise **GPD** Slovenie **lbob Epopee** Grimaldi Dam: Whitepark Donna **Doonally Nicefor** IE182053960267 Ulna **Doonally New** Whitepark Vicki **Castlemartin Rosary** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €113 34% **Terminal Index** $\star\star\star\star$ $\star\star$ (Low) €13 25% Replacement Index \star (Low) **Maternal Cow Traits:** -€54 22% **Maternal Progeny Traits:** €68 34% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +8.5% 36% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.06 42% *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 40% $\star\star$ +28kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) **** +2.11 34% **** Breed ave: 1.84.All breeds ave: 1.32 scale (Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.1% 18% Breed ave: 5.31%, All breeds ave: 5.9% (V Low) $\star\star$ \bigstar Daughter Milk (kg) -6.6kg 26% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg \bigstar \star Daughter calving interval (days) +1.77days 15% Breed ave: -0.74days, All breeds ave: -0.59days (V Low) **Additional Information:** Linear composites Value Reliability Muscle 120 44% 43% Skeletal 103 103 24% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 19 GARRACLOON MAYBE **ID**: IE271017790212 **Breed:** Charolais Sex: Male **DOB**: 08-Jan-2016 Owner: Aiden Mac Hale - Knockanillaun Ballina Co Mayo Breeder: **Balmyle Thunderbird** Sire: Blelack Digger Balthavock Adonis -**Balthayock Peach** S956 **Blelack Montgomery Galcantray Abbey Blelack Rachel** Aimable Dam: Garracloon Carmel **Domino** IE271017780046 Anemone **Doonally New Garracloon Ursula Garracloon Nadine** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €163 31% **** **Terminal Index** **** (Low) €123 25% **** **** Replacement Index (Low) **Maternal Cow Traits:** €16 22% **Maternal Progeny Traits:** €107 32% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +6.8% 34% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.18 45% **** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 38% **** **** +45kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Low) Carcass conformation (1-15 scale) +1.91 32% *** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.54% 21% Breed ave: 5.31%, All breeds ave: 5.9% (Low) **** \star Daughter Milk (kg) -1.2kg 29% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg *** *** Daughter calving interval (days) -1.05days 14% Breed ave: -0.74days, All breeds ave: -0.59days (V Low) **Additional Information:** Linear composites Value Reliability Muscle 114 48% Skeletal 129 46% 104 27% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 20 LAN ID: IE1813108301	DLEAGUE MAD MAX 38 Breed: Charolais			
Sex: Male	DOB : 08-Jan-2016			
Owner: Francis R Breeder:	yan - Fahy Rosscahill Co Galway			
Sire: Landleague Jaffa Doonally New — IE181310870100			Hermes Intruse	
	Carrowkeel Angle		Mozart Carrowkeel Tina	GENOTYPED
Dam: Landleague F IE181310820087	laley Et Domino		Aimable Anemone	
	Tara Ciara		Dovea Touriste Mourne Polydora	
Star Rating (Within Charolais breed)	Economic Indexes	€uro value per progeny	Index Reliability	Star rating (across all beef breeds)
****	Terminal Index	€150	41% (Average)	****
**	Replacement Index	€22	40% (Average)	*
	Maternal Cow Traits :	-€73	39%	
	Maternal Progeny Traits :	€95	41%	
	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perform	rmance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+7.3%	44% (Average)	
***	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Average)	***
****	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+40kg	41% (Average)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.09 scale	40% (Average)	****
	Expected daughter breeding	g performa	nce	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+6.82%	38% (Low)	
*	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-7.3kg	39% (Low)	*
**	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	+1.01days	37% (Low)	**
Additional Informat	ion:		Linear compos	ites Value Reliability
			Muscle	
			Skeletal	
			Function	
Animal not scored.			Herd data qual	ity index

Lot 21 CLEWBAY12 MAGNUM **ID:** IE272285850522 **Breed:** Charolais Sex: Male **DOB**: 19-Jan-2016 Owner: Charles J Hughes - Lankhill Westport Co Mayo Breeder: **Burradon Talisman** Sire: Crossmolina Euro **Thrunton Voldemort -Thrunton Starband CSQ** Crossmolina Una **Doonally New** Crossmolina Rebecca Oriental Dam: Clewbay Donna **Bova Sylvain** IE272285870359 Jacobine **Doonally Feld** Hillstreet Ruth **Hillstreet Marietta** Star Rating (Within €uro value Index Star rating (across **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €128 33% **Terminal Index** $\star\star\star\star$ $\star\star\star\star\star$ (Low) €7 30% Replacement Index \bigstar \star (Low) **Maternal Cow Traits:** -€67 29% **Maternal Progeny Traits:** €74 34% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +10.1% 38% (Low) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.06 34% *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (Low) Carcass weight (kg) 38% *** **** +35kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Low) Carcass conformation (1-15 scale) +2.24 32% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Low) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.56% 27% Breed ave: 5.31%, All breeds ave: 5.9% (Low) $\star\star$ \bigstar Daughter Milk (kg) -6.6kg 35% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg \bigstar \star Daughter calving interval (days) 20% +2.35days Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability Muscle 116 34% Skeletal 108 34% 112 25% **Function** Herd data quality index Animal scored. Scores or weaning weights NOT included in evaluation

Lot 22 CLOUGHBRACK MAJOR **ID:** IE181942380419 **Breed:** Charolais Sex: Male **DOB**: 24-Jan-2016 Owner: Mattie Kelly - Cloughbrack Newbridge Ballinasloe Co Galway Breeder: **Balthayock Adonis** Sire: Alwent Goldbar (Et) Blelack Digger **Galcantray Abbey** CH2199 **Alwent Daffodil Alwent Vougeot** Alwent Abbey **Thrunton Voldemort** Dam: Cloughbrack Helen **Sportsmans** IE181942390329 Sportsmans Regal Columbo **Bowerhouses Topper** Cloughbrack **Belvedere Honey** Maiden Star Rating (Within €uro value Index Star rating (across **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €107 44% $\star\star$ **Terminal Index** $\star\star\star$ (Average) €55 40% *** Replacement Index (Average) **Maternal Cow Traits:** -€6 38% **Maternal Progeny Traits:** €61 45% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +9.5% 47% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.05 60% *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (High) Carcass weight (kg) 47% *** +36kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.65 43% $\star\star$ **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +4.27% 35% Breed ave: 5.31%, All breeds ave: 5.9% (Low) *** \star Daughter Milk (kg) -2.8kg 39% (Low) Breed ave: -4.53kg, All breeds ave: 2.04kg *** $\star\star\star$ Daughter calving interval (days) -0.52days 34% Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability Muscle 106 50% Skeletal 114 48% 87 20% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 23 CAS	TLEWOOD MATTHEW 73 Breed: Charolais			
Sex: Male	DOB : 29-Jan-2016			
Owner: David Ker	nny - Woodstock Ballindine Co Mayo			
Breeder:	·			
Sire: Balthazar CF85	Verlaine —		Port RoyalPoesie	
	Tetanie		RomainMarine	GENOTYPED
Dam: Castlewood FIE271874730258	reda Panama —		LudwigMarquise	
	Leagaun Angel —		Enfield PlexusLyonsdemesne	
Star Rating (Within Charolais breed)	Economic Indexes	€uro va per prog		Star rating (across all beef breeds)
****	Terminal Index	€136	49% (Average)	****
**	Replacement Index	€10	47% (Average)	*
	Maternal Cow Traits :	-€74 €84	46%	
	Maternal Progeny Traits : Dairy Beef	€04	49%	
Star Rating (Within				
Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perfor	rmance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+8.2%	50% (Average)	
***	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Average)	***
****	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+41kg	52% (Average)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.03 scale	47% (Average)	****
	Expected daughter breeding	g perfori	mance	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+5.84%	% 46% (Average)	
**	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-6kg	49% (Average)	*
**	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	+0.47d	lays 44% (Average)	**
Additional Informati	ion:		Linear compo	sites Value Reliability
			Muscle	
			Skeletal Function	
Animal not scored.			N/A	ality index

Lot 24 TULLYVILLAGE MCGREGOR **ID:** IE181948170458 **Breed:** Charolais Sex: Male **DOB:** 02-Feb-2016 Owner: William Flynn - Tullyvillage Newbridge Ballinasloe Co Galway Breeder: Domino Sire: Lisnagre Hansome Cloverfield Excelent -Cloverfield Una HZJ Ballydownan Violet _ Jupiter **Ballydownan Simone (Et)** (Et) Major Dam: Tullyvillage Dawn **Utrillo-Bp** IE181948150282 **Fatcha** Malicieux **Tully Village Bawn** Clohanmore Ursula Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €153 46% **** **Terminal Index** $\star\star\star\star\star$ (Average) €26 42% Replacement Index \star (Average) **Maternal Cow Traits:** -€68 40% **Maternal Progeny Traits:** €94 46% Dairy Beef **Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) 50% +9.1% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) **** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 47% **** **** +45kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +2.12 46% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.2% 38% Breed ave: 5.31%, All breeds ave: 5.9% (Low) \bigstar \star Daughter Milk (kg) -7.4kg 42% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg Daughter calving interval (days) 38% +0.69days Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability Muscle Skeletal **Function** Herd data quality index Animal not scored.

Lot 25 CROSSMOLINA MARADONNA

Owner: Alan Wood - Cloonamine House Crossmolina Co Mayo

Breeder:



breeder:				-
Sire: Crossmolina E CSQ		Burradon Talism Thrunton Starba		
	Crossmolina Una		Doonally New Crossmolina Re	becca
Dam: Crossmolina Elizabeth Bova Sylvain			Oriental Jacobine	
	Crossmolina –		Richmond Sylva Crossmolina Ra	
Star Rating (Within Charolais breed)	Economic Indexes	€uro valu per proger		Star rating (across all beef breeds)
****	Terminal Index	€148	48% (Average)	****
*	Replacement Index	€9	47% (Average)	*
	Maternal Cow Traits :	-€76	46%	
	Maternal Progeny Traits:	€85	49%	
	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perfo	rmance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+11.5%	51% (Average)	
***	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	0.04 scale	56% (Average)	***
****	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+45kg	49% (Average)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.32 scale	49% (Average)	****
	Expected daughter breedin	g performa	ance	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+5.51%	44% (Average)	
***	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-4.4kg	49% (Average)	*
*	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59da	+3.27day	ys 40% (Average)	*
Additional Informat	ion:		Linear compo	sites Value Reliability
			Muscle	121 49%
			Skeletal	121 47%
			Function	109 26%
				100
A charles and the	and the second of the second o		Herd data qua	ility index

N/A

Animal scored. Linear scores and weaning weights in evaluations

Lot 26 LISC ID: IE1318254308	ULLANE MI	STER : Charolais			
Sex: Male		07-Feb-2016			
Owner: Eamonn (Quinlivan - Liscullaı	ne Tulla Co Clare			
Breeder:					
Sire: Cavelands Fell LZF	nian	Noaille —		Eddy Janina	
		Cavelands Carena		Indurain Cavelands Ulrick	sa
Dam: Liscullane He IE131825490772	lena	Cloverfield Excelent —		Domino Cloverfield Una	
		Liscullane Blossom —		Bova Sylvain Liscullane Petal	
Star Rating (Within Charolais breed)	Economic	c Indexes	€uro value per progen		Star rating (across all beef breeds)
***	Terminal Inc	lex	€128	31% (Low)	****
****	Replacemen	t Index	€68	27% (Low)	***
	Maternal C	ow Traits :	-€13	25%	
	Maternal P	rogeny Traits :	€81	32%	
	Dairy Beef				
Star Rating (Within Charolais breed)	Key prof	it traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expe	cted progeny perfor	mance		
	Calving difficulty Breed ave: 7.25%,Al	` '	+7.2%	35% (Low)	
***	Docility (1-5 scale Breed ave: 0.04,All b		scale	(Low)	***
***	Carcass weight (I Breed ave: 31.75kg,	kg) All breeds ave: 14.99kg	+35kg	33% (Low)	****
***	Carcass conform Breed ave: 1.84,All b	ation (1-15 scale) preeds ave: 1.32	+1.96 scale	33% (Low)	****
	Expecte	d daughter breeding	performa	nce	
	Daughter calving Breed ave: 5.31%,Al		+4.7%	21% (Low)	
**	Daughter Milk (kg Breed ave: -4.53kg,	g) All breeds ave: 2.04kg	-5.3kg	29% (Low)	*
***	Daughter calving Breed ave: -0.74days	interval (days) s,All breeds ave: -0.59day	-2.07days	18% (V Low)	***
Additional Informati	ion:			Linear compos	sites Value Reliability
				Muscle	
				Skeletal Function	
Animal not scored.				Herd data qua	lity index

Lot 27 CLONCORRICK MIGHTY **ID**: IE121396940717 **Breed:** Charolais Sex: Male **DOB:** 13-Feb-2016 Owner: Frank Mc Govern - Greenville House Carrigallen Co Leitrim Breeder: **Aimable** Sire: Lisnagre Elite (Et) **Domino** Anemone LGL Ballydownan Violet _ Jupiter **Ballydownan Simone (Et)** (Et) Dam: Cloncorrick Frances **Excellent** IE121396910508 Angele Tir O Neill Samson Cloncorrick Crystal -Clonkeefy Outrageous Lady Star Rating (Within Star rating (across €uro value Index **Economic Indexes** per progeny Reliability all beef breeds) Charolais breed) €130 46% **Terminal Index** $\star\star\star\star$ **** (Average) €41 45% $\star\star\star$ Replacement Index (Average) **Maternal Cow Traits:** -€39 45% **Maternal Progeny Traits:** €80 46% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +8.3% 49% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 46% **** **** +37kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.94 47% *** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.61% 46% Breed ave: 5.31%, All breeds ave: 5.9% (Average) \star \star Daughter Milk (kg) -8.6kg 48% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg *** *** Daughter calving interval (days) -1.45days 43% Breed ave: -0.74days, All breeds ave: -0.59days (Average) **Additional Information:** Linear composites Value Reliability Muscle Skeletal **Function** Herd data quality index Animal not scored.

Lot 28 SUNI ID: IE2313209805	NAGHMORE MOGADOR 61 Breed: Charolais	RE				
Sex: Male	DOB: 14-Feb-2016					
Owner: Andrew M	c Govern - Gubbs Cloone Co Leitrim					
Breeder:						
Sire: Bowerhouses	Topper Tattenhall Impeccable			Ecossais Tattenhall Eclipse		
	Goldies Haquenee		_	Damocles Blanchette		GENOTYPED
Dam: Sunnaghmore IE231320930350	Fantastic Riversdale Anchor (Et)			Oscar Prime Noelle		
	Bridgeview Utopia			Enfield Hara Kiri 3607 Bridgeview C	Ozone	
Star Rating (Within Charolais breed)	Economic Indexes	€uro v per pro		Index Reliability	Star rating	g (across ef breeds)
**	Terminal Index	€106	5	46% (Average)	***	
*	Replacement Index	€8		46% (Average)	*	
	Maternal Cow Traits :	-€52		46%		
	Maternal Progeny Traits :	€60		46%		
	Dairy Beef					
Star Rating (Within Charolais breed)	Key profit traits	Inde Valu		Trait Reliability	Star rating	g (across ef breeds)
	Expected progeny perfe	ormance	;			
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+9.79	%	49% (Average)		
***	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale		(Average)	***	*
***	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+34k	g	46% (Average)	***	**
***	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+1.9 scale		46% (Average)	***	**
	Expected daughter breedi	ng perfo	rmaı	nce		
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%		3%	45% (Average)		
****	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-1.1k	g	48% (Average)	*	
*	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59d	+2.79 lays	9days	44% (Average)	*	
Additional Informati	on:			Linear composi	ites Value	Reliability
				Muscle		
				Skeletal		
				Function		
				Herd data quali	ty index	
Animal not scored.				N/A		

Lot 29 LANDLEAGUE MAJOR **ID:** IE181310890143 **Breed:** Charolais Twin to Male Sex: Male **DOB**: 18-Feb-2016 Owner: Francis Ryan - Fahy Rosscahill Co Galway Breeder: **Aimable** Sire: Fury Action **Domino** Anemone S605 **Oldstone Egbert Fury Treasure** Lanesboro Pearl Hermes Dam: Derrylahan Alexis **Doonally New** IE221395680055 Intruse Castlemartin Imp '95 F Leonard Castlemartin **Castlemartin Option** Solitaire Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €147 46% **Terminal Index** **** $\star\star\star\star\star$ (Average) €38 45% $\star\star\star$ Replacement Index \star (Average) **Maternal Cow Traits:** -€48 44% **Maternal Progeny Traits:** €87 46% Dairy Beef **Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +10.8% 47% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) *** $\star\star$ Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 47% **** **** +45kg Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +2.25 47% **** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.2% 44% Breed ave: 5.31%, All breeds ave: 5.9% (Average) $\star\star\star$ \star Daughter Milk (kg) -4.7kg 48% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg Daughter calving interval (days) 41% -0.22days Breed ave: -0.74days, All breeds ave: -0.59days (Average) **Additional Information:** Linear composites Value Reliability Muscle Skeletal **Function** Herd data quality index Animal not scored.

Lot 30 BALLYFINNANE MARK **ID:** IE131622070354 **Breed:** Charolais Sex: Male **DOB**: 20-Feb-2016 Owner: Kenneth Clarke - Ballyfinan Ardnacrusha Co Clare Breeder: **Porto** Sire: Guepard Texan-Gie Marquise **GPD** Slovenie Ibob **Epopee** Tattenhall Impeccable Dam: Prime Bev **Grove Victor** IE331308820155 **Fairthwaite Shell Erudit Knockane Orla** Knockane (Imp.'92f) Ecoliere Star Rating (Within €uro value Index Star rating (across **Economic Indexes** per progeny Reliability all beef breeds) Charolais breed) €120 48% $\star\star\star$ **Terminal Index** $\star\star\star\star$ (Average) €37 43% $\star\star\star$ Replacement Index \star (Average) **Maternal Cow Traits:** -€32 41% **Maternal Progeny Traits:** €70 48% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +10.3% 51% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.09 48% **** **** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 48% **** +39kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.67 48% $\star\star$ **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +3.55% 40% Breed ave: 5.31%, All breeds ave: 5.9% (Average) $\star\star\star$ \star Daughter Milk (kg) -4.1kg 45% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg \bigstar Daughter calving interval (days) 38% +1.1days Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information: Linear composites** Value Reliability 112 34% Muscle Skeletal 122 34% 101 21% **Function** Herd data quality index Animal scored. Scores or weaning weights NOT included in evaluation

Lot 31 SHA ID: IE2720345402		Breed	: Charolais					
Sex: Male		ров:	17-Mar-2016					
Owner: Michael F	Harrison -	Shamm	er Kilkelly Co Mayo)				
Breeder:								
Sire: Pirate PTE			Meillard Rj			Invincible Badine		
			Banquise		_	Voltaire Proie		GENOTYPED
Dam: Ballydownan IE301098140926	Bridget 		Doonally New		1	Hermes Intruse		
			Ballydownan			Loch Ness Ballydownan My		
Star Rating (Within Charolais breed)	E	Economi	c Indexes	€uro per pro		Index Reliability		g (across ef breeds)
****	Termin	al Inc	lex	€150	6	47% (Average)	***	***
***	Replac	emen	nt Index	€64		47% (Average)	***	₹
	Ma	aternal C	ow Traits :	-€35		47%		
	Ма	aternal P	rogeny Traits :	€100		47%		
	Dairy E	Beef						
Star Rating (Within Charolais breed)		Key prof	it traits	Inde Valu		Trait Reliability		g (across ef breeds)
		Expe	cted progeny perfe	ormance	•			
	Calving d Breed ave:	•	(% 3 & 4) I breeds ave: 4.49%	+7.89	%	50% (Average)		
****	Docility (1 Breed ave:		e) preeds ave: 0.01	scale		(Average)	***	***
****	Carcass v Breed ave:	٠ ,	k g) All breeds ave: 14.99kg	+39k	g	47% (Average)	***	***
***			ation (1-15 scale) preeds ave: 1.32	+1.99 scale	_	47% (Average)	***	***
	E	Expecte	d daughter breedi	na perfa	rmar	nce		
	Daughter	calving	diff (% 3 & 4) I breeds ave: 5.9%	+4.82		47% (Average)		
***	Daughter Breed ave:		g) All breeds ave: 2.04kg	-5kg		49% (Average)	*	
***			interval (days) s,All breeds ave: -0.59d		days	46% (Average)	***	**
Additional Informat	ion:					Linear compos	sites Value	Reliability
						Muscle		
					Skeletal			
						Function		
Animal not scored.]	Herd data qua	lity index	
•						•		

Lot 32 BALI ID: IE1816508303 Sex: Male	LINPHUIL MAX 19 Breed: Charolais DOB: 23-Mar-2016			
Owner: Brian O'De Breeder:	onnell - Ballinphuil Cummer Tuam Co. C	Galway		
Sire: Fleetwood FWO	Sylvaner —		Igloo Jupe	
	Belle		Pinay Ulla	GENOTYPED
Dam: Newforest Da IE181909720318	nielle Lyonsdemesne Tzar —		Domino Kilboy Frivole (In	np 91f)
	Newforest Tamara —		Indurain Bothaul Nelly	
Star Rating (Within Charolais breed)	Economic Indexes	€uro value per progeny	Index Reliability	Star rating (across all beef breeds)
***	Terminal Index	€125	47% (Average)	***
***	Replacement Index	€40	44% (Average)	*
	Maternal Cow Traits :	-€40	43%	
	Maternal Progeny Traits :	€80	47%	
Star Rating (Within	Dairy Beef			
Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perfor	mance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+7%	50% (Average)	
****	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Average)	****
***	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+32kg	47% (Average)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.06 scale	47% (Average)	****
	Expected daughter breeding	g performar	nce	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+4.48%	42% (Average)	
*	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-6.9kg	46% (Average)	*
***	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-2.28days /s	38% (Low)	***
Additional Information	ion:		Muscle Skeletal Function Herd data qua	sites Value Reliability
			N/A	

Lot 33 CROSSMOLINA MALTA

ID: IE271115211093 **Breed:** Charolais **Sex:** Male **DOB:** 26-Mar-2016

Owner: Alan Wood - Cloonamine House Crossmolina Co Mayo



Breeder: **Berlioz** Sire: Killimor In Time Grimaldi Charmille **KZM Thrunton Voldemort** Killimor Emer 136 Heathvale Risa Domino Dam: Crossmolina Faun Lyonsdemesne Tzar -IE271115250776 Kilboy Frivole (Imp 91f) **Doonally New** Crossmolina Ailish -Crossmolina Rebecca Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €151 43% **** **Terminal Index** $\star\star\star\star\star$ (Average) €12 42% Replacement Index \star (Average) **Maternal Cow Traits:** -€78 41% **Maternal Progeny Traits:** €90 43% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +10.1% 46% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) 0.06 53% *** *** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 45% **** +48kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) +1.91 41% *** **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +6.85% 37% Breed ave: 5.31%, All breeds ave: 5.9% (Low) $\star\star$ \star Daughter Milk (kg) -5.3kg 43% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg Daughter calving interval (days) +0.47days 37% Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability Muscle 120 21% 20% Skeletal 116 98 18% **Function** Herd data quality index Animal scored. Linear scores and weaning weights in evaluations

Lot 34 GLE ID: IE3614810701	32 Breed: Charolais			
Sex: Male	DOB : 28-Mar-2016			
Owner: Rory Culle	en - Esker South Killoe Co Longford			
Breeder:				
Sire: Mandela Gene F196	eral Et Impecable —		FandangoKilboy Frivole (In	np 91f)
	Mandela Viral (Et)		DominoCamber Pansy	
Dam: Glera Indigo IE361481090118	Oldstone Egbert —		Brampton BankeOldstone Ursula	r
	Hillcrest Chloe —		Doonally NiceforHillcrest Tara	
Star Rating (Within Charolais breed)	Economic Indexes	€uro va per prog		Star rating (across all beef breeds)
****	Terminal Index	€146	25% (Low)	****
***	Replacement Index	€40	20% (Low)	*
	Maternal Cow Traits :	-€49	18%	
	Maternal Progeny Traits :	€89	25%	
	Dairy Beef			
Star Rating (Within Charolais breed)	Key profit traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perfor	mance		
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+9.1%	28% (Low)	
**	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale	(Low)	***
****	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+46kg	31% (Low)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.12 scale	23% (Low)	****
	Expected daughter breeding	g perforn	nance	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+4.31%		
***	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-4.4kg	18% (V Low)	*
***	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-0.32da /s	ays 18% (V Low)	***
Additional Informati	ion:		Linear compos	sites Value Reliability
			Muscle	
			Skeletal	
			Function	
Animal not scored.			Herd data qua	lity index
				

ID: IE12139694072	25 Breed	MICKEY JOE : Charolais	1		
Sex: Male	DOB:	03-Apr-2016			
Owner: Frank Mc	Govern - Greenvill	e House Carrigallen (Co Leitrin	n	
Breeder:					
Sire : Enfield Hara K HKI	iri	Extra —		CommodoreUnion	
		Alpine		– Orient – Usine	GENOTYPED
Dam: Cloncorrick lvy IE121396980621	y 2	Meillard Rj —		InvincibleBadine	
		Cloncorrick Crystal —		Tir O Neill SamsClonkeefy Outra	ageous Lady
Star Rating (Within Charolais breed)	Economi	c Indexes	€uro val per proge		Star rating (across all beef breeds)
****	Terminal Inc	lex	€137	46% (Average)	****
***	Replacemen	nt Index	€40	46% (Average)	*
	Maternal C	Cow Traits :	-€47	46%	
	Maternal P	Progeny Traits :	€87	47%	
	Dairy Beef				
Star Rating (Within Charolais breed)	Key prof	it traits	Index Value	Trait Reliability	Star rating (across all beef breeds)
	Expe	cted progeny perfor	mance		
	Calving difficulty Breed ave: 7.25%,Al	` '	+7.4%	49% (Average)	
***	Docility (1-5 scale Breed ave: 0.04,All b		scale	(Average)	****
***	Carcass weight (I Breed ave: 31.75kg,	kg) All breeds ave: 14.99kg	+35kg	47% (Average)	****
***	Carcass conform Breed ave: 1.84,All b	ation (1-15 scale) preeds ave: 1.32	+1.87 scale	46% (Average)	****
	Expecte	d daughter breeding	g perforn	nance	
	Daughter calving Breed ave: 5.31%,Al		+6.32%	46% (Average)	
***	Daughter Milk (kg Breed ave: -4.53kg,	g) All breeds ave: 2.04kg	-2.9kg	47% (Average)	*
**	Daughter calving Breed ave: -0.74day	interval (days) s,All breeds ave: -0.59day	+0.42da	ays 46% (Average)	**
Additional Information	on:			Linear compo	osites Value Reliability
				Muscle	
				Skeletal Function	
				i dilction	
Animal not scored.				Herd data qua	ality index

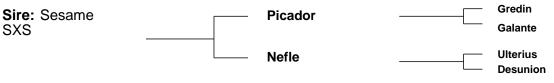
Lot 36 LIMKILN MEILLARD

 ID: IE131680350190
 Breed: Charolais

 Sex: Male
 DOB: 09-Apr-2016



Breeder:



Dam: Limkiln Cigale IE131680380103

Limkiln Nuala Bowerhouses Topper Limkiln Josie

Star Rating (Within Charolais breed)	Economic Indexes	€uro value per progeny	Index Reliability	Star rating (across all beef breeds)
***	Terminal Index	€116	33% (Low)	****
****	Replacement Index	€77	30% (Low)	***
	Maternal Cow Traits :	€3	28%	
	Maternal Progeny Traits :	€74	34%	
	Dairy Beef			

Star Rating (Within Charolais breed) Key profit traits		Index Value	Trait Reliability	Star rating (across all beef breeds)			
Expected progeny performance							
	Calving difficulty (% 3 & 4)	+6.2%	37%				

	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+6.2%	37% (Low)	
****	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	0.12 scale	53% (Average)	****
***	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	+32kg	37% (Low)	****
**	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+1.78 scale	33% (Low)	****

Expected daughter breeding performance

Expedica daughter breeding performance							
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+5.65%	22% (Low)				
****	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-0.4kg	33% (Low)	**			
***	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-1.79days	16% (V Low)	***			

Additional Information:

Linear composites	Value	Reliability
Muscle	106	48%
Skeletal	112	46%
Function	108	24%

Animal scored. Linear scores and weaning weights in evaluations

Herd data quality index	
N/A	

Charolais breed) Economic Indexes ★★★★ Terminal Index €167 48% (Average) ★★★★ Docility (1-5 scale) Breed ave: 0.04, All breeds ave: 14.99kg ★★★★ Carcass weight (kg) Breed ave: 31.75kg, All breeds ave: 14.99kg ★★★★ Carcass conformation (1-15 scale) Breed ave: 1.84, All breeds ave: 1.32 Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: -4.53kg, All breeds ave: 2.04kg ★★★★ Daughter Milk (kg) Breed ave: -4.53kg, All breeds ave: 2.04kg ★★★★ Additional Information: Linear composites Value Reliability Lin	Lot 37 SHAI ID: IE2720345802 Sex: Male				
Sire: Doonally New CF52 Intruse Intruse Campagnard Doynamo Berlioz Charmille Mulroog Ultra (Et) Mulroog Ultra (Et) Star Rating (Within Charolais breed) Economic Indexes Fermiciph Oriel Athena Mulroog Ultra (Et) Mulroog Ultra (Arrongo) Mulroog Ultra (Et) Mulroog Ultra (Arrongo) Mulro	Owner: Michael F	Harrison - Shammer Kilkelly Co Mayo			
Athena Campagnard Dynamic Dynamic Dynamic Campagnard Dynamic Dynamic Star rating (across all beef breeds Mallored Dynamic	Breeder:				
Dam: Mulroog Betty E182584180171		Hermes —			
Charmille Mulroog Ultra (Et) Charmille Molillard Rj Famileigh Orie		Intruse			GENOTYPED
Star Rating (Within Charolais breed) Economic Indexes Economic Indexes Etheroid Reliability Atheria Replacement Index Maternal Cow Traits: Maternal Progeny Traits: Expected progeny performance Calving difficulty (% 3 & 4) Breed ave: 7.25% All breeds ave: 4.49% Atheria Repead ave: 0.04, All breeds ave: 14.99kg Expected ave: 0.04, All breeds ave: 1.32 Expected ave: 1.84, All breeds ave: 1.32 Expected ave: 1.84, All breeds ave: 5.9% Expected ave: 2.04kg Expected ave: 0.04kg Familetgh Oriel Euro value Reliability Atheria All Star rating (across 44% Atheria All Star rating (across 47% Atheria All Star rating (across 6106 All Star rating (Average) Atheria All Star rating (across 6106 All Star rating (Average) Atheria All Star rating (Average) Atheria All Star rating (Average) Atheria All Star rating (Average) All Deed Save: 4.49% All Deed Save: 4.49% All Star rating (Average) Atheria All Star rating (Average) All Deed Save: 4.49% All Deed Save: 4.49% All Star rating (Average) Atheria All		Major —			
Charolais breed) Economic Indexes ★★★★ Terminal Index €167 48% (Average) ★★★★ Docility (1-5 scale) Breed ave: 0.04, All breeds ave: 14.99kg ★★★★ Carcass weight (kg) Breed ave: 31.75kg, All breeds ave: 14.99kg ★★★★ Carcass conformation (1-15 scale) Breed ave: 1.84, All breeds ave: 1.32 Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: -4.53kg, All breeds ave: 2.04kg ★★★★ Daughter Milk (kg) Breed ave: -4.53kg, All breeds ave: 2.04kg ★★★★ Additional Information: Linear composites Value Reliability Lin		Mulroog Ultra (Et)		-	
Replacement Index Maternal Cow Traits: Maternal Progeny Traits: E106 48% Dairy Beef Star Rating (Within Charolais breed) Expected progeny performance Calving difficulty (% 3 & 4) Breed ave: 7.25%, All breeds ave: 4.49% At *** Carcass weight (kg) Breed ave: 1.84, All breeds ave: 1.499kg *** Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: 5.31%, All breeds ave: 2.04kg *** Daughter Milk (kg) Breed ave: -0.59kg, All breeds ave: 2.04kg Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index		Economic Indexes			Star rating (across all beef breeds)
Maternal Cow Traits:	****	Terminal Index	€167		****
Maternal Progeny Traits : €106 48%	***	Replacement Index	€43		**
Star Rating (Within Charolais breed) Expected progeny performance Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49% ★★★★★ Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg ★★★★★ Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32 Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9% ★★★ Daughter calving diff (% 3 & 4) Breed ave: 4.53kg,All breeds ave: 2.04kg Additional Information: Additional Information: Linear composites Value Reliability Star rating (across all beef breeds Star rating (across all beef breeds Reliability Star rating (across all beef breeds Skeletal Function Reliability R		Maternal Cow Traits :	-€63	47%	
Star Rating (Within Charolais breed) Expected progeny performance Calving difficulty (% 3 & 4) Head and provided the second progeny performance		Maternal Progeny Traits :	€106	48%	
Calving difficulty (% 3 & 4) Hard data quality index Reliability Start rating (across all beef breeds Reliability Reliability Start rating (across all beef breeds Start rating (across all		Dairy Beef			
Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49% ***** Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01 **** Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg **** Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32 Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9% *** Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg *** Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59days Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index	•	Key profit traits			Star rating (across all beef breeds)
Breed ave: 7.25%,All breeds ave: 4.49% A Additional Information: Breed ave: 7.25%,All breeds ave: 4.49% Breed ave: 7.25%,All breeds ave: 4.49% A Additional Information: Breed ave: 7.25%,All breeds ave: 4.49% Breed ave: 1.25%,All breeds ave: 14.99kg A Additional Information: Breed ave: 7.25%,All breeds ave: 4.49% Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg A 48% (Average) A 47% (Average) A 49% (Average) A 49% (Average) A 46% (Average) A 47% (Average) A 46% (Av		Expected progeny perfor	mance	,	·
Breed ave: 0.04,All breeds ave: 0.01 **** Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg *** Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32 Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9% Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59days Additional Information: Kaverage 48% (Average) 4		, , ,	+8.8%		
Breed ave: 31.75kg,All breeds ave: 14.99kg Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32 Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9% Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59days Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index	****	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale (Average)		****
Expected daughter breeding performance Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9% Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59days Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index	****	C , C ,	+46kg		****
Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9% ★ Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg ★ Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59days Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index	****				****
Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9% ★ Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg ★ Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59days Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index		Expected daughter breeding	n perforn	nance	
Breed ave: -4.53kg,All breeds ave: 2.04kg Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59days Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index		Daughter calving diff (% 3 & 4)		6 47%	
Additional Information: Linear composites Value Reliability Muscle Skeletal Function Herd data quality index	**		-6.2kg		*
Muscle Skeletal Function Herd data quality index	*			, I	*
Muscle Skeletal Function Herd data quality index	Additional Informati	on:		Linear compo	sites Value Reliability
Function Herd data quality index					
Herd data quality index				Skeletal	
				Function	
Animal not scored.	Animal not scored.			•	llity index

Lot 38 KILDAVAROGUE MULLIGAN **ID:** IE271118380302 **Breed:** Charolais Sex: Male **DOB:** 30-Apr-2016 Owner: John Lynn - Enniscoe Castlehill Ballina Co Mayo Breeder: Eddy Sire: Cavelands Fenian **Noaille** Janina **LZF Cavelands Carena** Indurain Cavelands Ulricka Texan-Gie Dam: Brusna Isabella **Cottage Devon** IE271003070299 Cottage Amelie (Et) **Blakestown Artiste Blakestown Daisy Blakestown Undine** Star Rating (Within Star rating (across €uro value Index **Economic Indexes** all beef breeds) per progeny Reliability Charolais breed) €116 46% $\star\star\star$ **Terminal Index** $\star\star\star\star$ (Average) €61 42% *** $\star\star\star$ Replacement Index (Average) **Maternal Cow Traits:** -€9 41% **Maternal Progeny Traits:** €70 46% **Dairy Beef Star Rating (Within** Index Star rating (across Trait Charolais breed) **Key profit traits** all beef breeds) Value Reliability **Expected progeny performance** Calving difficulty (% 3 & 4) +8% 49% (Average) Breed ave: 7.25%, All breeds ave: 4.49% Docility (1-5 scale) $\star\star\star$ *** Breed ave: 0.04, All breeds ave: 0.01 scale (Average) Carcass weight (kg) 46% *** +34kg **** Breed ave: 31.75kg,All breeds ave: 14.99kg (Average) Carcass conformation (1-15 scale) *** +1.91 46% **** Breed ave: 1.84.All breeds ave: 1.32 scale (Average) **Expected daughter breeding performance** Daughter calving diff (% 3 & 4) +5.87% 41% Breed ave: 5.31%, All breeds ave: 5.9% (Average) *** \star Daughter Milk (kg) -3.6kg 44% (Average) Breed ave: -4.53kg, All breeds ave: 2.04kg **** **** Daughter calving interval (days) 37% -2.66days Breed ave: -0.74days, All breeds ave: -0.59days (Low) **Additional Information:** Linear composites Value Reliability Muscle Skeletal **Function** Herd data quality index Animal not scored.

Lot 39 CLO ID: IE1819423404		MANUEL : Charolais				
Sex: Male		01-May-2016				
Owner: Mattie Kel	lly - Cloughbrack N	lewbridge Ballinasloe	Co Galv	way		
Breeder:						
Sire: Pirate PTE		Meillard Rj —			vincible dine	
		Banquise		— Vo	Itaire oie	
Dam: Cloughbrack	Jasmine	Goldstar Echo —			xan-Gie eehills Ula	
		Cloughbrack — Angelina			scar oughbrack Sta	
Star Rating (Within Charolais breed)	Economi	c Indexes	€uro va per prog		Index Reliability	Star rating (across all beef breeds)
***	Terminal Inc	dex	€134		30% (Low)	****
****	Replacemer	nt Index	€82		31% (Low)	***
	Maternal (Cow Traits :	-€7		31%	
		Progeny Traits :	€89		31%	
	Dairy Beef					
Star Rating (Within Charolais breed)	Key pro	fit traits	Index Value		Trait Reliability	Star rating (across all beef breeds)
	Expe	cted progeny perfor	mance			
	Calving difficulty Breed ave: 7.25%,A	(% 3 & 4) Il breeds ave: 4.49%	+5.8%		35% (Low)	
***	Docility (1-5 scale Breed ave: 0.04,All to		scale		(Average)	***
***	Carcass weight (Breed ave: 31.75kg,	kg) All breeds ave: 14.99kg	+31kg		31% (Low)	****
***	Carcass conform Breed ave: 1.84,All I	ation (1-15 scale) preeds ave: 1.32	+1.99 scale		31% (Low)	****
	Expecte	ed daughter breeding	g perfori	manc	e	
	Daughter calving Breed ave: 5.31%,A		+4.94%	%	29% (Low)	
**	Daughter Milk (ko Breed ave: -4.53kg,	g) All breeds ave: 2.04kg	-6.1kg		37% (Low)	*
****	Daughter calving Breed ave: -0.74day	interval (days) s,All breeds ave: -0.59day	-4.95d	ays	28% (Low)	****
Additional Informati	ion:			Li	inear compos	sites Value Reliability
				M	luscle	
					keletal unction	
Animal not scored.					erd data qua I/A	lity index

Lot 40 TULI ID: IE1819481404		MATHAN : Charolais						
Sex: Male		04-May-2016						
Owner: William Fl	ynn - Tullyvillage N	Newbridge Ballinasloe	Co Gal	way	,			
Breeder:	, , ,	Ü		j				
Sire: Cloverfield Exc	celent	Domino —		Aimable Anemone				
		Cloverfield Una		_	Pirate Cloverfield Prince	ess		
Dam: Tullyvillage G IE181948110337	lenda	Roundhill Doc 1068 — (Et)		_	Nelson Roundhill Rimmel			
		Clohanmore Ursula —			Lisnalurg Ignot Kilmore Reeno			
Star Rating (Within Charolais breed)	Economi	c Indexes	€uro va per prog		Index Reliability	Star rating (across all beef breeds)		
****	Terminal Inc	dex	€144		32% (Low)	****		
***	Replacemer	nt Index	€33		32% (Low)	*		
	•	Cow Traits :	-€60		31%			
	Maternal F	Progeny Traits :	€93		33%			
	Dairy Beef							
Star Rating (Within Charolais breed)	Key pro	fit traits	Index Value		Trait Reliability	Star rating (across all beef breeds)		
	Expe	cted progeny perfor	mance					
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%		+6.6%		35% (Low)			
***	Docility (1-5 scale Breed ave: 0.04,All b		scale		(Low)	***		
****	Carcass weight (Breed ave: 31.75kg,	kg) All breeds ave: 14.99kg	+37kg		35% (Low)	****		
****	Carcass conform Breed ave: 1.84,All b	ation (1-15 scale) preeds ave: 1.32	+2.16 scale		34% (Low)	****		
	Expecte	ed daughter breeding	g perfor	maı	nce			
	Daughter calving Breed ave: 5.31%,A		+6.27	%	28% (Low)			
*	Daughter Milk (kg Breed ave: -4.53kg,	g) All breeds ave: 2.04kg	-7.3kg	l	40% (Average)	*		
***	Daughter calving Breed ave: -0.74day	interval (days) s,All breeds ave: -0.59day	-1.81d /s	lays	24% (Low)	***		
Additional Informati	ion:				Linear compos	sites Value Reliability		
					Muscle			
					Skeletal			
					Function			
Animal not scored.					Herd data qual	lity index		

Lot 41 TULI ID: IE1819481704	LYVILLAGE MILLER 66 Breed: Charolais				
Sex: Male	DOB: 07-May-2016				
Owner: William Fl	ynn - Tullyvillage Newbridge Ballinasloe	. Co Gal	wav		
Breeder:	yriir - Tullyvillage Newbridge Dallillasioe	CO Gai	way		
Dioddoi.			•		
Sire: Fiston FSZ	Tinor —		— Lau — Ode		
	Baronne		-	ulair tesse	
Dam: Glebewest Fid IE361052320257	ona Pirate —			llard Rj quise	
	Cavehill Daisy —			ırain naquire Sacaç	gawea
Star Rating (Within Charolais breed)	Economic Indexes	€uro va per pro		Index Reliability	Star rating (across all beef breeds)
****	Terminal Index	€124		34% (Low)	***
***	Replacement Index	€36		28% (Low)	*
	Maternal Cow Traits :	-€39		26%	
	Maternal Progeny Traits :	€75		34%	
	Dairy Beef				
Star Rating (Within Charolais breed)	Key profit traits	Index Value		Trait Reliability	Star rating (across all beef breeds)
	Expected progeny perform	mance			
	Calving difficulty (% 3 & 4) Breed ave: 7.25%,All breeds ave: 4.49%	+8.8%		36% (Low)	
**	Docility (1-5 scale) Breed ave: 0.04,All breeds ave: 0.01	scale		(Low)	***
***	Carcass weight (kg) Breed ave: 31.75kg,All breeds ave: 14.99kg	TOZ.ONG		36% (Low)	****
****	Carcass conformation (1-15 scale) Breed ave: 1.84,All breeds ave: 1.32	+2.06 scale		34% (Low)	****
	Expected daughter breeding	g perfor	mance)	
	Daughter calving diff (% 3 & 4) Breed ave: 5.31%,All breeds ave: 5.9%	+5.519		22% (Low)	
***	Daughter Milk (kg) Breed ave: -4.53kg,All breeds ave: 2.04kg	-4.8kg	ı	35% (Low)	*
***	Daughter calving interval (days) Breed ave: -0.74days,All breeds ave: -0.59day	-0.75d		15% (V Low)	***
Additional Informat	ion:		Lin	near compos	sites Value Reliability
				uscle	
				eletal	
			Fu	ınction	
Animal not scored.			He N/	rd data qual	lity index
			. 47		

