

| DATE      | TEST             | BREED  | DAM             | SIRE                      | TEST                       | Tissue Type | RESULT | INDEX                           |
|-----------|------------------|--------|-----------------|---------------------------|----------------------------|-------------|--------|---------------------------------|
| 20115U011 | MB24-0359 (M,31) | CATTLE | BEEFMASTER (31) | MB21-0049 (F,31)(Valid)   | OKT19-0190 (M,31)(Valid)   | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U012 | MB24-0367 (M,31) | CATTLE | BEEFMASTER (31) |                           | BOS16-6024 (M,31)(Valid)   | PAR_C       | Hair   | SV :<br>Sire Valid              |
| 20115U013 | MB24-0497 (F,31) | CATTLE | BEEFMASTER (31) |                           | OKT19-0190 (M,31)(Valid)   | PAR_C       | Hair   | SV :<br>Sire Valid              |
| 20115U014 | MB24-0507 (F,31) | CATTLE | BEEFMASTER (31) | MB20-0369 (F,31)(Valid)   | BOS18-8154 (M,31)(Valid)   | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U015 | MB24-0509 (F,31) | CATTLE | BEEFMASTER (31) | BOS10-0243 (F,31)(Valid)  | BOS18-8154 (M,31)(Valid)   | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U016 | MB24-0514 (M,31) | CATTLE | BEEFMASTER (31) | MB21-0436 (F,31)(Valid)   | OKT19-0190 (M,31)(Valid)   | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U017 | MB24-0524 (M,31) | CATTLE | BEEFMASTER (31) | MB20-0338 (F,31)(Valid)   | BOS18-8154 (M,31)(Valid)   | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U018 | MB24-0531 (M,31) | CATTLE | BEEFMASTER (31) | B420-0007 (F,31)(Valid)   | BOS18-8154 (M,31)(Valid)   | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U019 | MB24-0533 (M,31) | CATTLE | BEEFMASTER (31) | OKT12-0005A (F,31)(Valid) | BOS18-8154 (M,31)(Valid)   | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U020 | MB24-0548 (M,31) | CATTLE | BEEFMASTER (31) | MB17-0148 (F,31)(Valid)   | V820-0432 (M,31)(Valid)    | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U021 | MB24-0568 (M,31) | CATTLE | BEEFMASTER (31) | MB19-0548 (F,31)(Valid)   | JT20-1909 (M,31)(Valid)    | PAR_C       | Hair   | DVSV :<br>Dam Valid, Sire Valid |
| 20115U022 | MB24-0582 (M,31) | CATTLE | BEEFMASTER (31) |                           | BOS16-6024 (M,31)(Valid)   | PAR_C       | Hair   | SV :<br>Sire Valid              |
| 20115U023 | MB24-0626 (F,31) | CATTLE | BEEFMASTER      | MB20-0437 (F,31)(Valid)   | AHD18-0005 (N/S,31)(Valid) | PAR_C       | Hair   | DVSV :                          |

Embryo - outcrosser MB 211044

Embryo - outcrosser MB 140148

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**CHARNÉ ROSSOUW**  
DIVISION MANAGER

| IDENTIFICATION | DATE             | SPECIES | TEST            | TEST                                                             | TEST                     | TEST  | TEST | TEST                            |
|----------------|------------------|---------|-----------------|------------------------------------------------------------------|--------------------------|-------|------|---------------------------------|
| 20115U073      | MB24-0267 (M,31) | CATTLE  | BEEFMASTER (31) | MB21-0278 (F,31)(Valid)                                          | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U074      | MB24-0178 (M,31) | CATTLE  | BEEFMASTER (31) | OKT12-0005A (F,31)(Valid)<br><i>Embrio - ontuager MB 130035</i>  | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U075      | MB24-0181 (M,31) | CATTLE  | BEEFMASTER (31) | BOS09-9243 (F,31)(Valid)<br><i>Embrio - ontuager - MB 180415</i> | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U076      | MB24-0186 (M,31) | CATTLE  | BEEFMASTER (31) | BOS10-0243 (F,31)(Valid)<br><i>Embrio - ontuager - MB 190580</i> | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U077      | MB24-0191 (M,31) | CATTLE  | BEEFMASTER (31) | BOS09-9243 (F,31)(Valid)<br><i>Embrio - ontuager MB 210839</i>   | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U078      | MB24-0198 (F,31) | CATTLE  | BEEFMASTER (31) | BOS09-9243 (F,31)(Valid)<br><i>Embrio - ontuager MB 150126</i>   | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U079      | MB24-0199 (F,31) | CATTLE  | BEEFMASTER (31) | BOS10-0243 (F,31)(Valid)<br><i>Embrio - ontuager MB 210770</i>   | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U080      | MB24-0202 (F,31) | CATTLE  | BEEFMASTER (31) |                                                                  | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | SV :<br>Sire Valid              |
| 20115U081      | MB24-0211 (M,31) | CATTLE  | BEEFMASTER (31) | MB17-0331 (F,31)(Valid)                                          | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U082      | MB24-0212 (F,31) | CATTLE  | BEEFMASTER (31) | MB20-0309 (F,31)(Valid)                                          | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U083      | MB24-0214 (F,31) | CATTLE  | BEEFMASTER (31) | MB16-0348 (F,31)(Valid)                                          | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |
| 20115U084      | MB24-0218 (M,31) | CATTLE  | BEEFMASTER (31) | MB17-0479 (F,31)(Valid)                                          | BOS18-8154 (M,31)(Valid) | PAR_C | Hair | DVSV :<br>Dam Valid, Sire Valid |

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**CHARNÉ ROSSOUW**  
DIVISION MANAGER

| IDENTIFICATION | TESTED           | SPECIES | BREED              | DAW                          | SIRE                     | TEST  | PHENOTYPE | RESULT                             | REFERENCE |
|----------------|------------------|---------|--------------------|------------------------------|--------------------------|-------|-----------|------------------------------------|-----------|
| 20115U085      | MB24-0219 (M,31) | CATTLE  | BEEFMASTER<br>(31) |                              | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | SV :<br>Sire Valid                 |           |
| 20115U086      | MB24-0220 (F,31) | CATTLE  | BEEFMASTER<br>(31) | BOS09-9243 (F,31)(Valid)     | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U087      | MB24-0223 (M,31) | CATTLE  | BEEFMASTER<br>(31) |                              | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | SV :<br>Sire Valid                 |           |
| 20115U088      | MB24-0224 (F,31) | CATTLE  | BEEFMASTER<br>(31) | MB17-0464 (F,31)(Valid)      | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U089      | MB24-0226 (M,31) | CATTLE  | BEEFMASTER<br>(31) | MB19-0503 Koei (F,31)(Valid) | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U090      | MB24-0227 (F,31) | CATTLE  | BEEFMASTER<br>(31) | MB20-0349 (F,31)(Valid)      | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U091      | MB24-0228 (F,31) | CATTLE  | BEEFMASTER<br>(31) | MB19-0714 (F,31)(Valid)      | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U092      | MB24-0229 (F,31) | CATTLE  | BEEFMASTER<br>(31) | MB18-0185 (N/S,31)(Valid)    | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U093      | MB24-0230 (F,31) | CATTLE  | BEEFMASTER<br>(31) |                              | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | SV :<br>Sire Valid                 |           |
| 20115U094      | MB24-0234 (F,31) | CATTLE  | BEEFMASTER<br>(31) | OKT12-0005A (F,31)(Valid)    | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U095      | MB24-0235 (F,31) | CATTLE  | BEEFMASTER<br>(31) | MB20-0371 (F,31)(Valid)      | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U096      | MB24-0238 (F,31) | CATTLE  | BEEFMASTER<br>(31) | OKT12-0005A (F,31)(Valid)    | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | DVSV :<br>Dam Valid, Sire<br>Valid |           |
| 20115U097      | MB24-0245 (M,31) | CATTLE  | BEEFMASTER         |                              | BOS18-8154 (M,31)(Valid) | PAR_C | Hair      | SV :                               |           |

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**CHARNÉ ROSSOUW**  
DIVISION MANAGER

| ANIMAL    | IDENTIFICATION   | SPECIES | OWNER           | DAM                                                               | SIRE                        | TEST  | ASSAY Type | RESULT                          | INNOVIA |
|-----------|------------------|---------|-----------------|-------------------------------------------------------------------|-----------------------------|-------|------------|---------------------------------|---------|
|           |                  |         | (31)            |                                                                   |                             |       |            | Sire Valid                      |         |
| 20115U098 | MB24-0246 (M,31) | CATTLE  | BEEFMASTER (31) |                                                                   | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | SV :<br>Sire Valid              |         |
| 20115U099 | MB24-0248 (M,31) | CATTLE  | BEEFMASTER (31) | BOS10-0243 (F,31)(Valid)<br><i>Embrio - ontvanger MB 210362.</i>  | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | DVSV :<br>Dam Valid, Sire Valid |         |
| 20115U100 | MB24-0249 (M,31) | CATTLE  | BEEFMASTER (31) | MB17-0433 (F,31)(Valid)                                           | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | DVSV :<br>Dam Valid, Sire Valid |         |
| 20115U101 | MB24-0252 (F,31) | CATTLE  | BEEFMASTER (31) |                                                                   | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | SV :<br>Sire Valid              |         |
| 20115U102 | MB24-0257 (M,31) | CATTLE  | BEEFMASTER (31) | MB18-0219 (N/S,31)(Valid)                                         | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | DVSV :<br>Dam Valid, Sire Valid |         |
| 20115U103 | MB24-0258 (M,31) | CATTLE  | BEEFMASTER (31) | BOS09-9243 (F,31)(Valid)<br><i>Embrio - ontvanger MB 190895.</i>  | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | DVSV :<br>Dam Valid, Sire Valid |         |
| 20115U104 | MB24-0260 (F,31) | CATTLE  | BEEFMASTER (31) | OKT12-0005A (F,31)(Valid)<br><i>Embrio - ontvanger MB 140276.</i> | BOS10-0432 (M,UNK_C)(Valid) | PAR_C | Hair       | DVSV :<br>Dam Valid, Sire Valid |         |
| 20115U105 | MB24-0261 (F,31) | CATTLE  | BEEFMASTER (31) | OKT12-0005A (F,31)(Valid)<br><i>Embrio - ontvanger MB 177239.</i> | BOS10-0432 (M,UNK_C)(Valid) | PAR_C | Hair       | DVSV :<br>Dam Valid, Sire Valid |         |
| 20115U106 | MB24-0265 (M,31) | CATTLE  | BEEFMASTER (31) |                                                                   | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | SV :<br>Sire Valid              |         |
| 20115U107 | MB24-0266 (M,31) | CATTLE  | BEEFMASTER (31) | MB17-0718 (F,31)(Valid)                                           | BOS18-8154 (M,31)(Valid)    | PAR_C | Hair       | DVSV :<br>Dam Valid, Sire Valid |         |

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