



# GE ALL TRAITS

## GENETIC EVALUATION ALL TRAITS - CSV FORMAT

EFFECTIVE DECEMBER 2019

| <u>FIELD</u> | <u>CONTENT</u>                                   | <u>MAX LENGTH</u> | <u>TYPE</u> | <u>COMMENTS</u> | <u>INTERBULL TRAIT</u>      | <u>INTERBULL CODE</u> |
|--------------|--|-------------------|-------------|-----------------|-----------------------------|-----------------------|
| 1            | REGISTRATION NUMBER                              | 18                | A/N         |                 |                             |                       |
| 2            | REGISTERED NAME                                  | 40                | A/N         |                 |                             |                       |
| 3            | BIRTH DATE                                       | 8                 | D           | YYYYMMDD        |                             |                       |
| 4            | GERUN  | 4                 | N           |                 |                             |                       |
| 5            | GENOTYPE PANEL DENSITY                           | 5                 | A/N         | NOTE 4          |                             |                       |
| 6            | SIRE REGISTRATION NUMBER                         | 18                | A/N         |                 |                             |                       |
| 7            | DAM REGISTRATION NUMBER                          | 18                | A/N         |                 |                             |                       |
| 8            | LPI OFFICIAL CODE                                | 1                 | N           | NOTE 1          |                             |                       |
| 9            | LPI RELIABILITY                                  | 2                 | N           |                 |                             |                       |
| 10           | LPI  | 5                 | N           |                 |                             |                       |
| 11           | LPI PRODUCTION COMPONENT RELIABILITY             | 2                 | N           |                 |                             |                       |
| 12           | LPI PRODUCTION COMPONENT                         | 5                 | N           |                 |                             |                       |
| 13           | LPI DURABILITY COMPONENT RELIABILITY             | 2                 | N           |                 |                             |                       |
| 14           | LPI DURABILITY COMPONENT                         | 5                 | N           |                 |                             |                       |
| 15           | LPI HEALTH & FERTILITY COMPONENT RELIABILITY     | 2                 | N           |                 |                             |                       |
| 16           | LPI HEALTH & FERTILITY COMPONENT                 | 5                 | N           |                 |                             |                       |
| 17           | PRO\$  | 5                 | N           |                 |                             |                       |
| 18           | PRODUCTION OFFICIAL CODE                         | 1                 | N           | NOTE 1          |                             |                       |
| 19           | MILK RELIABILITY                                 | 2                 | N           |                 |                             |                       |
| 20           | MILK   | 5                 | N           |                 | MILK                        | mil                   |
| 21           | FAT RELIABILITY                                  | 2                 | N           |                 |                             |                       |
| 22           | FAT  | 4                 | N           |                 | FAT                         | fat                   |
| 23           | PROTEIN RELIABILITY                              | 2                 | N           |                 |                             |                       |
| 24           | PROTEIN  | 4                 | N           |                 | PROTEIN                     | pro                   |
| 25           | FAT PERCENT RELIABILITY                          | 2                 | N           |                 |                             |                       |
| 26           | FAT PERCENT                                      | 5                 | N           | NOTE 2          |                             |                       |
| 27           | PROTEIN PERCENT RELIABILITY                      | 2                 | N           |                 |                             |                       |
| 28           | PROTEIN PERCENT                                  | 5                 | N           | NOTE 2          |                             |                       |
| 29           | LACTATION PERSISTENCY (LP) OFFICIAL CODE         | 1                 | N           | NOTE 1          |                             |                       |
| 30           | LP RELIABILITY                                   | 2                 | N           |                 |                             |                       |
| 31           | LP   | 3                 | N           |                 |                             |                       |
| 32           | SOMATIC CELL SCORE (SCS) OFFICIAL CODE           | 1                 | N           | NOTE 1          |                             |                       |
| 33           | SCS RELIABILITY                                  | 2                 | N           |                 |                             |                       |
| 34           | SCS  | 3                 | N           |                 | MILK SOMATIC CELL           | scs                   |
| 35           | CALVING ABILITY (CA) OFFICIAL CODE               | 1                 | N           | NOTE 1          |                             |                       |
| 36           | CA RELIABILITY                                   | 2                 | N           |                 |                             |                       |
| 37           | CA   | 3                 | N           |                 |                             |                       |
| 38           | DAUGHTER CALVING ABILITY (DCA) OFFICIAL CODE     | 1                 | N           | NOTE 1          |                             |                       |
| 39           | DCA RELIABILITY                                  | 2                 | N           |                 |                             |                       |
| 40           | DCA  | 3                 | N           |                 |                             |                       |
| 41           | HERD LIFE (HL) OFFICIAL CODE                     | 1                 | N           | NOTE 1          |                             |                       |
| 42           | HL RELIABILITY                                   | 2                 | N           |                 |                             |                       |
| 43           | HL   | 3                 | N           |                 |                             |                       |
| 44           | MILKING SPEED (MSP) OFFICIAL CODE                | 1                 | N           | NOTE 1          |                             |                       |
| 45           | MSP RELIABILITY                                  | 2                 | N           |                 |                             |                       |
| 46           | MSP  | 3                 | N           |                 | MILKABILITY                 | msp                   |
| 47           | MILKING TEMPERAMENT (MT) OFFICIAL CODE           | 1                 | N           | NOTE 1          |                             |                       |
| 48           | MT RELIABILITY                                   | 2                 | N           |                 |                             |                       |
| 49           | MT   | 3                 | N           |                 | TEMPERAMENT                 | tem                   |
| 50           | DAUGHTER FERTILITY (DF) OFFICIAL CODE            | 1                 | N           | NOTE 1          |                             |                       |
| 51           | DF RELIABILITY                                   | 2                 | N           |                 |                             |                       |
| 52           | DF   | 3                 | N           |                 |                             |                       |
| 53           | BODY CONDITION SCORE (BCS) OFFICIAL CODE         | 1                 | N           | NOTE 1          |                             |                       |
| 54           | BCS RELIABILITY                                  | 2                 | N           |                 |                             |                       |
| 55           | BCS  | 3                 | N           |                 | BODY CONDITION SCORE        | bcs                   |
| 56           | MASTITIS RESISTANCE (MR) OFFICIAL CODE           | 1                 | N           | NOTE 1          |                             |                       |
| 57           | MR RELIABILITY                                   | 2                 | N           |                 |                             |                       |
| 58           | MR   | 3                 | N           |                 | CLINICAL MASTITIS           | mas                   |
| 59           | METABOLIC DISEASE RESISTANCE (MDR) OFFICIAL CODE | 1                 | N           | NOTE 1          |                             |                       |
| 60           | MDR RELIABILITY                                  | 2                 | N           |                 |                             |                       |
| 61           | MDR  | 3                 | N           |                 |                             |                       |
| 62           | HOOF HEALTH (HH) OFFICIAL CODE                   | 1                 | N           | NOTE 1          |                             |                       |
| 63           | HH RELIABILITY                                   | 2                 | N           |                 |                             |                       |
| 64           | HH   | 3                 | N           |                 |                             |                       |
| 65           | CONFORMATION OFFICIAL CODE                       | 1                 | N           | NOTE 1          |                             |                       |
| 66           | CONFORMATION RELIABILITY                         | 2                 | N           |                 |                             |                       |
| 67           | CONFORMATION                                     | 3                 | N           |                 | OVERALL CONFORMATION SCORE  | ocs                   |
| 68           | RUMP RELIABILITY                                 | 2                 | N           |                 |                             |                       |
| 69           | RUMP   | 3                 | N           |                 |                             |                       |
| 70           | MAMMARY SYSTEM RELIABILITY                       | 2                 | N           |                 |                             |                       |
| 71           | MAMMARY SYSTEM                                   | 3                 | N           |                 | OVERALL UDDER SCORE         | ous                   |
| 72           | FEET & LEGS RELIABILITY                          | 2                 | N           |                 |                             |                       |
| 73           | FEET & LEGS                                      | 3                 | N           |                 | OVERALL FEET AND LEGS SCORE | ofl                   |
| 74           | DAIRY STRENGTH RELIABILITY                       | 2                 | N           |                 |                             |                       |
| 75           | DAIRY STRENGTH                                   | 3                 | N           |                 |                             |                       |
| 76           | RUMP ANGLE RELIABILITY                           | 2                 | N           |                 |                             |                       |
| 77           | RUMP ANGLE                                       | 3                 | N           |                 | RUMP ANGLE                  | ran                   |
| 78           | RUMP ANGLE ALPHA                                 | 1                 | A/N         | NOTE 3          |                             |                       |
| 79           | PIN WIDTH RELIABILITY                            | 2                 | N           |                 |                             |                       |
| 80           | PIN WIDTH  | 3                 | N           |                 | RUMP WIDTH                  | rwi                   |
| 81           | LOIN STRENGTH RELIABILITY                        | 2                 | N           |                 |                             |                       |



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|--------------|---|-------------------|-------------|-----------------|--------------------------|-----------------------|
| 82           | LOIN STRENGTH   | 3                 | N           |                 |                          |                       |
| 83           | THURL PLACEMENT RELIABILITY                                     | 2                 | N           |                 |                          |                       |
| 84           | THURL PLACEMENT   | 3                 | N           |                 |                          |                       |
| 85           | THURL PLACEMENT ALPHA   | 1                 | A/N         | NOTE 3          |                          |                       |
| 86           | UDDER DEPTH RELIABILITY   | 2                 | N           |                 |                          |                       |
| 87           | UDDER DEPTH   | 3                 | N           |                 | UDDER DEPTH              | ude                   |
| 88           | UDDER DEPTH ALPHA   | 1                 | A/N         | NOTE 3          |                          |                       |
| 89           | UDDER TEXTURE RELIABILITY                                       | 2                 | N           |                 |                          |                       |
| 90           | UDDER TEXTURE   | 3                 | N           |                 |                          |                       |
| 91           | MEDIAN SUSPENSORY RELIABILITY                                   | 2                 | N           |                 |                          |                       |
| 92           | MEDIAN SUSPENSORY   | 3                 | N           |                 | UDDER SUPPORT            | usu                   |
| 93           | FORE ATTACHMENT RELIABILITY                                     | 2                 | N           |                 |                          |                       |
| 94           | FORE ATTACHMENT   | 3                 | N           |                 | FORE UDDER ATTACHMENT    | fua                   |
| 95           | FORE TEAT PLACEMENT RELIABILITY                                 | 2                 | N           |                 |                          |                       |
| 96           | FORE TEAT PLACEMENT   | 3                 | N           |                 | FRONT TEAT PLACEMENT     | ftp                   |
| 97           | FORE TEAT PLACEMENT ALPHA                                       | 1                 | A/N         | NOTE 3          |                          |                       |
| 98           | REAR ATTACHMENT HEIGHT RELIABILITY                              | 2                 | N           |                 |                          |                       |
| 99           | REAR ATTACHMENT HEIGHT  | 3                 | N           |                 | REAR UDDER HEIGHT        | ruh                   |
| 100          | REAR ATTACHMENT WIDTH RELIABILITY                               | 2                 | N           |                 |                          |                       |
| 101          | REAR ATTACHMENT WIDTH   | 3                 | N           |                 | REAR UDDER WIDTH         | ruw                   |
| 102          | REAR TEAT PLACEMENT RELIABILITY                                 | 2                 | N           |                 |                          |                       |
| 103          | REAR TEAT PLACEMENT   | 3                 | N           |                 | REAR TEAT PLACEMENT      | rtp                   |
| 104          | REAR TEAT PLACEMENT ALPHA                                       | 1                 | A/N         | NOTE 3          |                          |                       |
| 105          | TEAT LENGTH RELIABILITY   | 2                 | N           |                 |                          |                       |
| 106          | TEAT LENGTH   | 3                 | N           |                 | FRONT TEAT LENGTH        | ftl                   |
| 107          | TEAT LENGTH ALPHA   | 1                 | A/N         | NOTE 3          |                          |                       |
| 108          | FOOT ANGLE RELIABILITY  | 2                 | N           |                 |                          |                       |
| 109          | FOOT ANGLE  | 3                 | N           |                 | FOOT ANGLE               | fan                   |
| 110          | HEEL DEPTH RELIABILITY  | 2                 | N           |                 |                          |                       |
| 111          | HEEL DEPTH  | 3                 | N           |                 | HEEL DEPTH / HOOF HEIGHT | hde                   |
| 112          | BONE QUALITY RELIABILITY  | 2                 | N           |                 |                          |                       |
| 113          | BONE QUALITY  | 3                 | N           |                 |                          |                       |
| 114          | REAR LEG SIDE VIEW RELIABILITY                                  | 2                 | N           |                 |                          |                       |
| 115          | REAR LEG SIDE VIEW  | 3                 | N           |                 | REAR LEG SET             | rls                   |
| 116          | REAR LEG SIDE VIEW ALPHA  | 1                 | A/N         | NOTE 3          |                          |                       |
| 117          | REAR LEG REAR VIEW RELIABILITY                                  | 2                 | N           |                 |                          |                       |
| 118          | REAR LEG REAR VIEW  | 3                 | N           |                 | REAR-LEG REAR VIEW       | rlr                   |
| 119          | STATURE RELIABILITY   | 2                 | N           |                 |                          |                       |
| 120          | STATURE   | 3                 | N           |                 | STATURE                  | sta                   |
| 121          | HEIGHT AT FRONT END RELIABILITY                                 | 2                 | N           |                 |                          |                       |
| 122          | HEIGHT AT FRONT END   | 3                 | N           |                 |                          |                       |
| 123          | CHEST WIDTH RELIABILITY   | 2                 | N           |                 |                          |                       |
| 124          | CHEST WIDTH   | 3                 | N           |                 | CHEST WIDTH              | cwi                   |
| 125          | BODY DEPTH RELIABILITY  | 2                 | N           |                 |                          |                       |
| 126          | BODY DEPTH  | 3                 | N           |                 | BODY DEPTH               | bde                   |
| 127          | DAIRY CAPACITY RELIABILITY                                      | 2                 | N           |                 |                          |                       |
| 128          | DAIRY CAPACITY  | 3                 | N           |                 | ANGULARITY               | ang                   |
| 129          | DIRECT HERD LIFE (DHL) OFFICIAL CODE                            | 1                 | N           | NOTE 1          |                          |                       |
| 130          | DHL RELIABILITY   | 2                 | N           |                 |                          |                       |
| 131          | DHL   | 3                 | N           |                 | DIRECT LONGEVITY         | dlo                   |
| 132          | INDIRECT HERD LIFE (IHL) OFFICIAL CODE                          | 1                 | N           | NOTE 1          |                          |                       |
| 133          | IHL RELIABILITY   | 2                 | N           |                 |                          |                       |
| 134          | IHL   | 3                 | N           |                 |                          |                       |
| 135          | CLINICAL MASTITIS 1ST LACTATION (CM-FIRST) OFFICIAL CODE        | 1                 | N           | NOTE 1          |                          |                       |
| 136          | CM-FIRST RELIABILITY  | 2                 | N           |                 |                          |                       |
| 137          | CM-FIRST  | 3                 | N           |                 |                          |                       |
| 138          | CLINICAL MASTITIS LATER LACTATIONS (CM-LATER) OFFICIAL CODE     | 1                 | N           | NOTE 1          |                          |                       |
| 139          | CM-LATER RELIABILITY  | 2                 | N           |                 |                          |                       |
| 140          | CM-LATER  | 3                 | N           |                 |                          |                       |
| 141          | CLINICAL KETOSIS FIRST LACTATION (CK-FIRST) OFFICIAL CODE       | 1                 | N           | NOTE 1          |                          |                       |
| 142          | CK-FIRST RELIABILITY  | 2                 | N           |                 |                          |                       |
| 143          | CK-FIRST  | 3                 | N           |                 |                          |                       |
| 144          | CLINICAL KETOSIS LATER LACTATIONS (CK-LATER) OFFICIAL CODE      | 1                 | N           | NOTE 1          |                          |                       |
| 145          | CK-LATER RELIABILITY  | 2                 | N           |                 |                          |                       |
| 146          | CK-LATER  | 3                 | N           |                 |                          |                       |
| 147          | SUB-CLINICAL KETOSIS FIRST LACTATION (SCK-FIRST) OFFICIAL CODE  | 1                 | N           | NOTE 1          |                          |                       |
| 148          | SCK-FIRST RELIABILITY   | 2                 | N           |                 |                          |                       |
| 149          | SCK-FIRST   | 3                 | N           |                 |                          |                       |
| 150          | SUB-CLINICAL KETOSIS LATER LACTATIONS (SCK-LATER) OFFICIAL CODE | 1                 | N           | NOTE 1          |                          |                       |
| 151          | SCK-LATER RELIABILITY   | 2                 | N           |                 |                          |                       |
| 152          | SCK-LATER   | 3                 | N           |                 |                          |                       |
| 153          | DISPLACED ABOMASUM FIRST LACTATION (DA-FIRST) OFFICIAL CODE     | 1                 | N           | NOTE 1          |                          |                       |
| 154          | DA-FIRST RELIABILITY  | 2                 | N           |                 |                          |                       |
| 155          | DA-FIRST  | 3                 | N           |                 |                          |                       |
| 156          | DISPLACED ABOMASUM LATER LACTATIONS (DA-LATER) OFFICIAL CODE    | 1                 | N           | NOTE 1          |                          |                       |
| 157          | DA-LATER RELIABILITY  | 2                 | N           |                 |                          |                       |
| 158          | DA-LATER  | 3                 | N           |                 |                          |                       |
| 159          | NRR HEIFER OFFICIAL CODE  | 1                 | N           | NOTE 1          |                          |                       |
| 160          | NRR HEIFER RELIABILITY  | 2                 | N           |                 |                          |                       |
| 161          | NRR HEIFER  | 3                 | N           |                 | HEIFER CONCEPTION        | hco                   |
| 162          | NRR COW OFFICIAL CODE   | 1                 | N           | NOTE 1          |                          |                       |



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|--------------|---|-------------------|-------------|-----------------|------------------------|-----------------------|
| 163          | NRR COW RELIABILITY   | 2                 | N           |                 |                        |                       |
| 164          | NRR COW   | 3                 | N           |                 |                        |                       |
| 165          | CALVING TO FIRST SERVICE (CTFS) OFFICIAL CODE                           | 1                 | N           | NOTE 1          | COW CONCEPTION 1       | cc1                   |
| 166          | CTFS RELIABILITY  | 2                 | N           |                 |                        |                       |
| 167          | CTFS  | 3                 | N           |                 | COW RE-CYCLING         | crc                   |
| 168          | FIRST SERVICE TO CONCEPTION-COWS (FSTC-C) OFFICIAL CODE                 | 1                 | N           | NOTE 1          |                        |                       |
| 169          | FSTC-C RELIABILITY  | 2                 | N           |                 |                        |                       |
| 170          | FSTC-C  | 3                 | N           |                 | COW CONCEPTION 2       | cc2                   |
| 171          | DAYS OPEN (DO) OFFICIAL CODE  | 1                 | N           | NOTE 1          |                        |                       |
| 172          | DO RELIABILITY  | 2                 | N           |                 |                        |                       |
| 173          | DO  | 3                 | N           |                 | COW INTERVAL MEASURES  | int                   |
| 174          | AGE AT FIRST SERVICE (AFS) OFFICIAL CODE                                | 1                 | N           | NOTE 1          |                        |                       |
| 175          | AFS RELIABILITY   | 2                 | N           |                 |                        |                       |
| 176          | AFS   | 3                 | N           |                 |                        |                       |
| 177          | FIRST SERVICE TO CONCEPTION-HEIFERS (FSTC-H) OFFICIAL CODE              | 1                 | N           | NOTE 1          |                        |                       |
| 178          | FSTC-H RELIABILITY  | 2                 | N           |                 |                        |                       |
| 179          | FSTC-H  | 3                 | N           |                 |                        |                       |
| 180          | DIRECT CALVING EASE-PROGENY BORN FROM HEIFERS (DCE-H) OFFICIAL CODE     | 1                 | N           | NOTE 1          |                        |                       |
| 181          | DCE-H RELIABILITY   | 2                 | N           |                 |                        |                       |
| 182          | DCE-H   | 3                 | N           |                 | DIRECT CALVING EASE    | dce                   |
| 183          | DIRECT CALF SURVIVAL-PROGENY BORN FROM HEIFERS (DCS-H) OFFICIAL CODE    | 1                 | N           | NOTE 1          |                        |                       |
| 184          | DCS-H RELIABILITY   | 2                 | N           |                 |                        |                       |
| 185          | DCS-H   | 3                 | N           |                 | DIRECT STILLBIRTH      | dsb                   |
| 186          | DIRECT CALVING EASE-PROGENY BORN FROM COWS (DCE-C) OFFICIAL CODE        | 1                 | N           | NOTE 1          |                        |                       |
| 187          | DCE-C RELIABILITY   | 2                 | N           |                 |                        |                       |
| 188          | DCE-C   | 3                 | N           |                 |                        |                       |
| 189          | DIRECT CALF SURVIVAL-PROGENY BORN FROM COWS (DCS-C) OFFICIAL CODE       | 1                 | N           | NOTE 1          |                        |                       |
| 190          | DCS-C RELIABILITY   | 2                 | N           |                 |                        |                       |
| 191          | DCS-C   | 3                 | N           |                 |                        |                       |
| 192          | CALVING EASE OF DAUGHTERS-FIRST CALVING (MCE-FIRST) OFFICIAL CODE       | 1                 | N           | NOTE 1          |                        |                       |
| 193          | MCE-FIRST RELIABILITY   | 2                 | N           |                 |                        |                       |
| 194          | MCE-FIRST   | 3                 | N           |                 | MATERNAL CALVING EASE  | mce                   |
| 195          | CALF SURVIVAL AT DAUGHTERS' FIRST CALVING (MCS-FIRST) OFFICIAL CODE     | 1                 | N           | NOTE 1          |                        |                       |
| 196          | MCS-FIRST RELIABILITY   | 2                 | N           |                 |                        |                       |
| 197          | MCS-FIRST   | 3                 | N           |                 | MATERNAL STILLBIRTH    | msb                   |
| 198          | CALVING EASE OF DAUGHTERS-LATER CALVINGS (MCE-LATER) OFFICIAL CODE      | 1                 | N           | NOTE 1          |                        |                       |
| 199          | MCE-LATER RELIABILITY   | 2                 | N           |                 |                        |                       |
| 200          | MCE-LATER   | 3                 | N           |                 |                        |                       |
| 201          | CALF SURVIVAL AT DAUGHTERS' LATER CALVINGS (MCS-LATER) OFFICIAL CODE    | 1                 | N           | NOTE 1          |                        |                       |
| 202          | MCS-LATER RELIABILITY   | 2                 | N           |                 |                        |                       |
| 203          | MCS-LATER   | 3                 | N           |                 |                        |                       |
| 204          | DIRECT GESTATION LENGTH-PROGENY BORN FROM HEIFERS (DGL-H) OFFICIAL CODE | 1                 | N           | NOTE 1          |                        |                       |
| 205          | DGL-H RELIABILITY   | 2                 | N           |                 |                        |                       |
| 206          | DGL-H GEBV  | 3                 | N           |                 |                        |                       |
| 207          | DIRECT GESTATION LENGTH-PROGENY BORN FROM COWS (DGL-C) OFFICIAL CODE    | 1                 | N           | NOTE 1          |                        |                       |
| 208          | DGL-C RELIABILITY   | 2                 | N           |                 |                        |                       |
| 209          | DGL-C   | 3                 | N           |                 |                        |                       |
| 210          | DIGITAL DERMATITIS (DD) OFFICIAL CODE                                   | 1                 | N           | NOTE 1          |                        |                       |
| 211          | DD RELIABILITY  | 2                 | N           |                 |                        |                       |
| 212          | DD  | 3                 | N           |                 |                        |                       |
| 213          | INTERDIGITAL DERMATITIS (ID) OFFICIAL CODE                              | 1                 | N           | NOTE 1          |                        |                       |
| 214          | ID RELIABILITY  | 2                 | N           |                 |                        |                       |
| 215          | ID  | 3                 | N           |                 |                        |                       |
| 216          | HEEL HORN EROSION (HHE) OFFICIAL CODE                                   | 1                 | N           | NOTE 1          |                        |                       |
| 217          | HHE RELIABILITY   | 2                 | N           |                 |                        |                       |
| 218          | HHE   | 3                 | N           |                 |                        |                       |
| 219          | SOLE ULCER (SU) OFFICIAL CODE   | 1                 | N           | NOTE 1          |                        |                       |
| 220          | SU RELIABILITY  | 2                 | N           |                 |                        |                       |
| 221          | SU  | 3                 | N           |                 |                        |                       |
| 222          | TOE ULCER (TU) OFFICIAL CODE  | 1                 | N           | NOTE 1          |                        |                       |
| 223          | TU RELIABILITY  | 2                 | N           |                 |                        |                       |
| 224          | TU  | 3                 | N           |                 |                        |                       |
| 225          | WHITE LINE LESION (WL) OFFICIAL CODE                                    | 1                 | N           | NOTE 1          |                        |                       |
| 226          | WL RELIABILITY  | 2                 | N           |                 |                        |                       |
| 227          | WL  | 3                 | N           |                 |                        |                       |
| 228          | SOLE HEMORRHAGE (SH) OFFICIAL CODE                                      | 1                 | N           | NOTE 1          |                        |                       |
| 229          | SH RELIABILITY  | 2                 | N           |                 |                        |                       |
| 230          | SH  | 3                 | N           |                 |                        |                       |
| 231          | INTERDIGITAL HYPERPLASIA (IH) OFFICIAL CODE                             | 1                 | N           | NOTE 1          |                        |                       |
| 232          | IH RELIABILITY  | 2                 | N           |                 |                        |                       |
| 233          | IH  | 3                 | N           |                 |                        |                       |
| 234          |   | 1                 | N           | NOTE 1          |                        |                       |
| 235          |   | 2                 | N           |                 |                        |                       |
| 236          |   | 3                 | N           |                 |                        |                       |
| 237          |   | 1                 | N           | NOTE 1          |                        |                       |
| 238          |   | 2                 | N           |                 |                        |                       |
| 239          |   | 3                 | N           |                 |                        |                       |
| 240          | RELEASE DATE  | 8                 | D           | YYYYMMDD        |                        |                       |

FIELD CODES:

A/N ALPHANUMERIC FIELD



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|---------------------|---|-------------------|-------------|-----------------|------------------------|-----------------------|
|                     | D DATE FIELD(YYYMMDD)   |                   |             |                 |                        |                       |
|                     | N NUMERIC FIELD   |                   |             |                 |                        |                       |
| GENERAL:            | FIELDS WITH MISSING VALUES ARE SET TO BLANK.<br>FILE CONTAINS A HEADER ROW<br><b>CSV RECORD. END OF RECORD CONTAINS ','</b>   |                   |             |                 |                        |                       |
| REGISTRATION NUMBER | FIELD MADE UP OF FOUR COMPONENTS: BREED CODE(2), COUNTRY CODE(3), SEX CODE(1), REGISTRATION NUMBER(12)<br><br><u>CODES:</u><br><b>SEE "DATA EXCHANGE SYSTEM CODES - BREED AND NATION CODES"</b><br>CDN Website - Data Files - Layouts<br><br><u>REGISTRATION NUMBER:</u><br>12 DIGIT ALPHANUMERIC FIELD THAT CONTAINS THE UNIQUE IDENTIFICATION NUMBER ASSIGNED TO THE ANIMAL BY THE RESPECTIVE BREED ASSOCIATION. THE REGISTRATION NUMBER WILL BE LEFT JUSTIFIED IN THE FIELD. |                   |             |                 |                        |                       |
| NOTE 1:             | 0 UNOFFICIAL - BULLS ONLY (PRELIMINARY PROOF)<br>1 OFFICIAL<br>2 PARENT AVERAGE / PEDIGREE INDEX<br>3 MACE<br>5 INTERNATIONAL GENOMIC INDEX (IGI)   |                   |             |                 |                        |                       |
| NOTE 2:             | THE FIELD CONTAINS A VALUE WITH 2 DECIMAL PLACES.<br>THE ACTUAL "." CHARACTER IS STORED IN THE FILE   |                   |             |                 |                        |                       |
| NOTE 3:             | ALPHA CODES ARE INCLUDED IN THE FILE AS AN ALPHA CHARACTER AND DO NOT REQUIRE DECODING<br>ALPHA CHARACTER DESCRIPTIONS REMAIN UNCHANGED FROM PREVIOUS DESCRIPTIONS:<br>RUMP ANGLE CODES: H < 0, L > 0<br>THURL PLACEMENT CODES: B < 0, A > 0<br>REAR LEGS SIDE VIEW CODES: S < 0, C > 0<br>UDDER DEPTH CODES: D < 0, S > 0<br>FRONT TEAT LENGTH CODES: S < 0, L > 0<br>FRONT TEAT PLACEMENT AND REAR TEAT PLACEMENT CODES: W < 0, C > 0   |                   |             |                 |                        |                       |
| NOTE 4:             | LD LOW DENSITY (LESS THAN 50K)<br>MD MEDIUM DENSITY (50K OR HIGHER BUT NOT HD)<br>HD HIGH DENSITY (600K OR HIGHER)  |                   |             |                 |                        |                       |