EBV Extended CSV Format – Angus Australia – version 2

This document describes the record Layout for the EBV_EXTENDED file supplied by Angus Australia in extended comma-delimited format.

The filename of the file containing the data will be 'HerdID'_EBV_EXTENDED.CSV - where HerdID is the Angus Australia member ident for the herd.

Row 1 – ##   File details (example)

##,FileType:Group,Society:AUAA,HerdID:XYZ,EBVDate:29/01/2015,EBVRun:11262,RunName:June 2019 TransTasman Angus Cattle Evaluation,bobj_1:Angus Breeding,bobj_2:Domestic,bobj_3:Heavy Grain,bobj_4:Heavy Grass,,

where

- FileType is 'Group' always
- Society is 'AUAA' always.
- HerdID is your unique alphanumeric Angus Australia member ident.
- EBVDate is the release date for the data in the TransTasman Angus Cattle Evaluation [eg 10/06/2019]
- EBVRun is the internal integer number of the TransTasman Angus Cattle Evaluation [eg 11262]
- RunName is a description of the TransTasman Angus Cattle Evaluation [eg June 2019 TransTasman Angus Cattle Evaluation]
- This is followed by the names of the selection indexes published by Angus Australia. They are listed as a string of bobj_x: combinations [eg bobj_1:Angus Breeding,bobj_2:Domestic,bobj_3:Heavy Grain,bobj_4:Heavy Grass]
- Sufficient commas to be consistent with the number of columns in other sections of the export

Row 2 – ##   File details (example)

##,EBVheadings,CalvingYear,Sex,Owned,Calving Ease Direct,,,,Calving Ease Daughters,,,,Gestation Length,,,,Birth Weight,,,,200 Day Growth,,,,400 Day Weight,,,,600 Day Weight,,,,Mature Weight,,,,200 Day Milk,,,,Scrotal Size,,,,Days to Calving,,,,Carcase Weight,,,,Carcase EMA,,,,,Carcase Rib Fat,,,,,Carcase Rump Fat,,,,,Carcase RBY%,,,,Carcase IMF%,,,,,NFI-F,,,,Docility,,,,Front Feet Angle,,,,Front Feet Claw Set,,,,Rear Feet Angle,,,,Rear Leg Hind View,,,,Rear Leg Side View,,,,Angus Breeding,,Domestic,,Heavy Grain,,Heavy Grass,,,,,,,

Row 3 – H   Header row (example)

H,SocAnimId,CalvingYear,Sex,Owned,ced_ebv,ced_acc,ced_perc,ced_prog,cem_ebv,cem_acc,cem_perc,cem_prog,gl_ebv,gl_acc,gl_perc,gl_prog,bw_ebv,bw_acc,bw_perc,bw_prog,ww_ebv,ww_acc,ww_perc,ww_prog,yw_ebv,yw_acc,yw_perc,yw_prog,fw_ebv,fw_acc,fw_perc,fw_prog,mcw_ebv,mcw_acc,mcw_perc,mcw_prog,milk_ebv,milk_acc,milk_perc,milk_prog,scrotal_ebv,scrotal_acc,scrotal_perc,scrotal_prog,dc_ebv,dc_acc,dc_perc,dc_prog,carc_wt_ebv,carc_wt_acc,carc_wt_perc,carc_wt_prog,carc_ema_ebv,carc_ema_acc,carc_ema_perc,scan_ema_prog,carc_ema_prog,carc_rib_fat_ebv,carc_rib_fat_acc,carc_rib_fat_perc,scan_rib_fat_prog,carc_rib_fat_prog,carc_rump_fat_ebv,carc_rump_fat_acc,carc_rump_fat_perc,scan_rump_fat_prog,carc_rump_fat_prog,carc_rby_ebv,carc_rby_acc,carc_rby_perc,carc_rby_prog,carc_imf_ebv,carc_imf_acc,carc_imf_perc,scan_imf_prog,carc_imf_prog,nfi_f_ebv,nfi_f_acc,nfi_f_perc,nfi_f_prog,docility_ebv,docility_acc,docility_perc,docility_prog,struct_fa_ebv,struct_fa_acc,struct_fa_perc,struct_fa_prog,struct_fc_ebv,struct_fc_acc,struct_fc_perc,struct_fc_prog,struct_ra_ebv,struct_ra_acc,struct_ra_perc,struct_ra_prog,struct_rh_ebv,struct_rh_acc,struct_rh_perc,struct_rh_prog,struct_rs_ebv,struct_rs_acc,struct_rs_perc,struct_rs_prog,bobj_1,bobj_1_perc,bobj_2,bobj_2_perc,bobj_3,bobj_3_perc,bobj_4,bobj_4_perc,NumHerds,ProgAnalysed,GenomicProg,in_dam_inventory,age_at_first_calf,calv_interval,trait_indicators

Where:

- SocAnimID is a unique alphanumeric identifier assigned to the animal by Angus Australia
- Calving Year is the 4 digit year of birth
- Sex   is a character abbreviation of the animal sex (M,F,S)
- Owned is 1 if the animal is currently in the submitting member's Herd, or 0 if not (ie it is in the pedigree of an animal in the Herd only)
- This is followed by a string of the trait-codes for the traits and selection indices which are included in the file. Each trait has an EBV, accuracy, percentile band and progeny count combination except :
  - Accuracies are not supplied for selection indices
  - Progeny counts are not supplied for the selection indices
- NumHerds is the number of herds in which this animal has performance recorded progeny
- ProgAnalysed is the number of progeny of this animal that had performance information analysed
- GenomicProg is the number of progeny of this animal that have genomic information
- In_dam_inventory is 'Y' if the animal is in the dam inventory, 'N' otherwise
- Age_at_first_calf is the age in years (to 1 decimal place) of a cow at her first calf birth date. Appears as '-' if not relevant.
- Calv_interval
  - '-' if not relevant
  - 'dnr' if donor dam
  - Otherwise, the average number of days between calves, for a cow
- Trait_indicators is a representation of which traits have been observed. This column is enclosed in double-quotes as it contains commas

Rows 4 onwards – Data rows

These rows all start with 'D' and match the layout of the Row 3 described above. There is one row for each animal.

An example is:

D,ABCX43+78,1978,M,0,+10.1,64%,5,0,+1.2,57%,64,0,-1.7,69%,88,0,+1.0,83%,3,0,+10,87%,99,30,+25,86%,99,5,+21,87%,99,13,+2,81%,99,0,+7,91%,99,25,+0.4,72%,97,0,-1.8,61%,93,1,+5,78%,99,0,+3.7,59%,83,0,0,+1.9,64%,5,0,0,+1.4,63%,9,0,0,+0.4,58%,54,0,+0.2,49%,98,0,0,+0.82,48%,99,0,-,-,-,,-,-,-,,-,-,-,,-,-,-,,-,-,-,,-,-,-,,-,-,-,-,,$32,99,$66,99,$0,99,$47,99,3,30,,N, 2.1,-,"200WT,600WT"

Genetic Trends and Percentiles

At the end of each file are rows containing the genetic trends and percentiles relevant to the TransTasman Angus Cattle Evaluation. In these records, the following keywords will be used in the SocAnimID column (column 1 will always be 'D'):

- EBVAVERAGE-GROUP is the "Breed Average EBVs for Current Calves" with the Calving Year reflecting the Year for the averages. Single record. Example:
  - D,EBVAVERAGE-GROUP,2017,,,+0.1,,,,+0.4,,,,-4.1,,,,+4.3,,,,+44,,,,+81,,,,+106,,,,+93,,,,+15,,,,+1.8,,,,-4.1,,,,+59,,,,+5.1,,,,+0.0,,,,-0.1,,,,,+0.4,,,,+1.7,,,,+0.14,,,,+5,,,,+0,,,,-1,,,,-1,,,,-0.3,,,,-0.4,,,,+112,,+107,,+117,,+110,,,,,,,,
- EBVAVERAGE-HERD is the "Herd average EBVs for current calves" with the Calving Year reflecting the Year for the averages. Single record. Example:
  - D,EBVAVERAGE-HERD,2017,,,+1.2,,,,+1.3,,,,-4.8,,,,+3.8,,,,+52,,,,+91,,,,+120,,,,+99,,,,+18,,,,+1.8,,,,-3.8,,,,+66,,,,+6.0,,,,-0.3,,,,-0.8,,,,,+0.7,,,,+1.9,,,,+0.20,,,,+2,,,,-5,,,,-2,,,,-3,,,,-1.5,,,,-0.7,,,,+123,,+115,,+128,,+121,,,,,,,,
- EBVTREND-GROUP is the overall breed genetic trend for all Australian born calves in the TransTasman Angus Cattle Evaluation. One record for each Calving Year, starting from 19 years ago to the most recent year with data. Example:
  - D,EBVTREND-GROUP,2000,,,-0.2,,,,-0.6,,,,-1.6,,,,+3.9,,,,+27,,,,+51,,,,+63,,,,+60,,,,+8,,,,+0.9,,,,-2.1,,,,+35,,,,+2.3,,,,,+0.3,,,,,+0.5,,,,,+0.2,,,,+0.6,,,,,+0.10,,,,+1,,,,+1,,,+0,,,+0,,,+0.1,,,-0.2,,,+54,,+74,,+36,,+63,,,,,,,,
- EBVTREND-HERD is the herd genetic trend for all calves in the TransTasman Angus Cattle Evaluation. One record for each Calving Year, starting from 19 years ago to the most recent year with data. Example:
  - D,EBVTREND-HERD,2018,,,+1.0,,,,+0.8,,,,-4.8,,,,+4.2,,,,+50,,,,+89,,,,+116,,,,+100,,,,+18,,,,+1.5,,,,-4.6,,,,+65,,,,+5.6,,,,,-0.2,,,,,-0.6,,,,,+0.3,,,,+2.6,,,,,+0.19,,,,+5,,,,-,,,,-,,,,-,,,,-,,,,+126,,+116,,+138,,+120,,,,,,,,

- PERCENTILE-GROUPnn is the (top) nn% percentile value for the current calves.
    - Percentile rankings are 01, 05, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95 and 99.
    - The Calving Year reflects the Year for the rankings.
    - Example:
        - D,PERCENTILE-GROUP35,2017,,,+1.3,,,,+1.3,,,,-4.8,,,,+3.7,,,,+48,,,,+86,,,,+113,,,,+100,,,,+17,,,,+2.1,,,,-5.0,,,,+64,,,,+5.9,,,,,+0.5,,,,,+0.4,,,,,+0.8,,,,+2.0,,,,,+0.03,,,,+8,,,,+4,,,,+5,,,,+2,,,,+0.6,,,,+0.1,,,,+121,,+113,,+130,,+117,,,,,,,,