Status as of:

Form BEEF

DESCRIPTION OF BEEF NATIONAL GENETIC EVALUATION SYSTEM

Country (or countries)

Trait name:

DATA COLLECTION	
Breed(s)	
Trait definition	
Method and frequency of measurement	
Who does the performance recording?	
Method of collecting data	
Which animals get recorded?	
Is birthday recorded?	
Is day of recording available?	
Are the data adjusted and/or selected? If yes please describe the methodology applied	
Time period for inclusion of records	
Criteria (data edits) for inclusion of records	
Is embryo transfer applied? How are ET animals been identified?[1] Is recipient mother ID recorded?	
How do you treat incomplete data?	
MODEL	
Model used for genetic evaluation[2a]	
Environmental effects[2b]	

Use of genetic groups and relationships	
Genetic parameters in the model [3]	
Adjustment for heterogeneous variance in evaluation model	
System validation	
Definition of genetic reference base Next base change	
Assessment of index quality (computation of reliability, connection)	
PUBLICATION	
Expression of genetic evaluations	
Criteria per official publication of evaluations	
Number of evaluations / publications per year	
Anticipated changes in the near future	
Key reference on methodology applied	
Key organization: Contact person, address, phone, fax, e-mail, website	

1) Use Appendix II BEEF for sample ID of ET animals
2a) Use abbreviation listed in the attached list of abbreviation to define the type of model.
2b) Use abbreviation for most common effects as listed in the attached list of abbreviation indicating, also, if the effect is treated as random (R) or fixed (F).
3) Use Appendix I BEEF for heritability/genetic variance estimates.

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Appendix I BEEF

Parameters used in genetic evaluation

Country:
Main trait group:
Breed:

Trait[1]	Definition	h_d^2	h_m^2	$r_{g(d,m)}$	c^2	σ^2_p

h_d^2: direct heritability; h_m^2: maternal heritability; $r_{g(d,m)}$: genetic correlation between direct and maternal effects; c^2: repeatability of (maternal) permanent environmental effects; σ_P^2: phenotypic variance.

1) If you have more than one trait provide the correlations between traits.

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Appendix II BEEF

Sample of ET animal IDs

Country:
Main trait group:
Breed:

ET animal ID