

**Country**

**Sweden**

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**Trait category:**

**Growth & beef**

**Individual trait(s):**

**Daily gain**

**Carcass gain**

**Carcass conformation**

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# SWEDEN

<b>Growth &amp; beef traits</b>	a) b) c)	<b>Daily gain</b> <b>Carcass gain</b> <b>Carcass conformation</b>
<b>Breed(s)</b>	a-c)	Swedish Friesian, Swedish Red & White
<b>Trait definition and unit(s) of measuring</b>	a) b) c)	Daily gain considering liveweight between 3 and 11 months Carcass gain measured between 365 and 850 days Scored with the EUROP system
<b>Type of recording and evaluation</b>	a) b,c)	Own performance (regular weighing of bulls) at station Progeny test (male) at slaughter house
<b>Time period for data inclusion</b>	a) b,c)	Since 1970 Since 1985
<b>Genetic parameters</b>	a) b) c)	$h^2_{\text{daily gain}} = 0.40$ $h^2_{\text{carcass gain}} = 0.33$ $h^2_{\text{carcass conformation}} = 0.30$
<b>Sire categories evaluated</b>	a) b,c)	Bulls with AI-sires AI-bulls
<b>Environmental effect pre-adjustment</b>	a) b,c)	Month of birth None
<b>evaluation model</b>	a) b,c)	Birth year x season x station, breed Herd x year x season, month of birth, month of slaughter
<b>Base for age adjustment</b>	a-c)	None
<b>Method (model) of genetic evaluation</b>	a) b,c)	ST BLUP Sire-MGS model ST BLUP SM
<b>Evaluation system validation</b>	a-c)	None
<b>Expression of proof</b>	a) b,c)	RBV with $M = 100$ and $SD_{\text{index}} \approx 2.5$ RBV with $M = 100$ and $SD_{\text{index}} \approx 5$ Meat index = $0.96 \times (\text{carcass gain} - 100) + 0.27 \times (\text{carcass conformation} - 100) + 100$
<b>Genetic (reference) base</b>	a) b,c)	Rolling, average of the four last years of bulls with a completed test Rolling, average of the last 3 years of tested bulls
<b>Criteria for official publication of sire proofs</b>	a) b,c)	Bulls must reach 11 months of age $\geq 15$ effective sons
<b>Number of evaluations/publications per year</b>	a) b,c)	12 evaluation 2 publications; January, July 2; January, July
<b>Use in total merit index</b>	a-c)	Included, see page 131
<b>Key reference on methodology applied</b>	a-c)	Henningson, T., 1985. Performance testing for beef production traits in Swedish dual purpose and beef cattle. Report 64, SLV, Uppsala