

# FACTSHEET

## Overview Heritabilities

### Index-traits

Trait	Heritability
NVI	Not available
INET	Not available
Longevity	0.140
Udder health	0.090
Fertility	0.085
Udder	0.290
Feet & legs	0.160
Birth index	Not available
Hoof health	Not available
Saved feed cost for maintenance	Not available

### Production

Trait	Heritability
Kg milk	0.510
% fat	Not available
% protein	Not available
% lactose	Not available
Kg fat	0.520
Kg protein	0.434
Kg lactose	0.510
INET	Not available

### Functional traits

Trait	Heritability
Udder health	0.090
- Clinical mastitis	0.062
- Subclinical mastitis	0.056
Fertility index	0.085
- Interval calving-first insemination	0.175
- Interval first-last insemination	0.075
- Conception rate heifers	0.010
- Conception rate	0.044
Birth index	Not available
- Calving ease	0.071
- Vitality	0.028
- Maternal calving process	0.084
- Maternal vitality	0.011
Hoof health	Not available
- Sole haemorrhage	0.123
- Digital dermatitis	0.218
- Interdigital dermatitis	0.152
- Sole ulcer	0.102
- Interdigital hyperplasia	0.098
- White line disease	0.120

### Functional traits

(continuation)

Trait	Heritability
Resilience	0.188
- Stability	0.197
- Recovery	0.123
Somatic cell score	0.365
Calf survival	0.005 – 0.011
Gestation length	0.441
Birth weight	0.060
Milking speed	0.510
Milk robot efficiency	0.273
Milk robot interval	0.119
Temperament	0.114
Beef index	0.221
Body weight	Not available
Persistence	0.123
Rate maturity	0.188
Feed intake	0.190

### Conformation

Trait	Heritability
Frame	0.280
Dairy strength	0.140
Udder	0.290
Feet & kegs	0.160
Muscularity (MRIJ)	0.236
Final score	0.240
Stature	0.513
Chest width	0.208
Body depth	0.286
Angularity	0.103
Condition score	0.274
Rump angle	0.326
Rump width	0.367
Rear legs, rear view	0.155
Rear leg set	0.177
Foot angle	0.131
Front feet orientation	0.143
Locomotion	0.134
Fore udder attachment	0.253
Front teat placement	0.313
Teat length	0.382
Udder depth	0.392
Rear udder height	0.264
Central ligament	0.220
Rear teat placement	0.288