

Correlations between claw health and selected traits

Jan-Åke Eriksson

NAV



Nordisk Avlsvärdering • Nordic Cattle Genetic Evaluation

Criterion for bulls too be included

- Bulls born 2000 to 2005

Claw health traits: >14 daughters and official claw health index

NTM, type traits and Other disease : Official EBVs

NAV



Nordisk Avlsværdis Vurdering • Nordic Cattle Genetic Evaluation

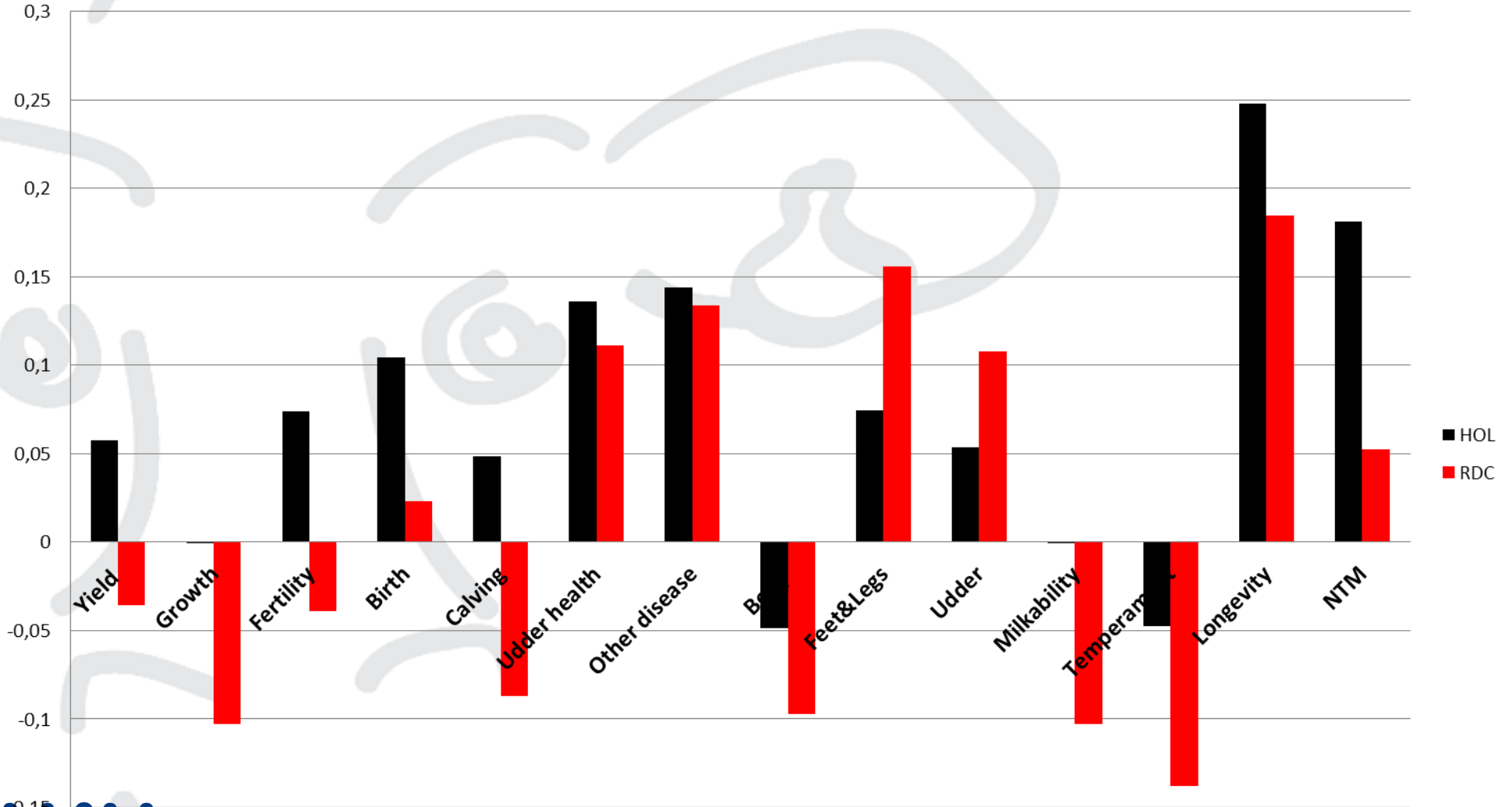
Correlation between claw health and NTM traits

	HOL	RDC
• Longevity	0.25	0.20
• NTM	0.20	0.05
• Other disease	0.15	0.15
• Udder health	0.15	0.10
• Feet&Legs	0.05	0.15
• Temperament	-0.05	-0.15

NAV



Correlations between claw health and NTM traits



NAV



Infection related claw diagnoses

- Dermatitis (DE)

Digital de + spaltebetaendelse Sorkkavälin ihon tulehdus + Sorkka-alueen ihotulehdus **Digital de + klövspaltekssem**

- Heel Horn Erosion (HH)

Balleråd Kantasyöpymä **Klövröta**

- Skin Proliferation (SP)

Nydannelse+Digital vorte Sorkkavälin

NAV liikakasvu+Sorkkasyylä **Limax+vårta**

Malformation claw diagnoses

- **Cork screw claws (CSC)**
Proptraekker klov **Sorkkakiertymä**
Korkskruvsklöv

NAV

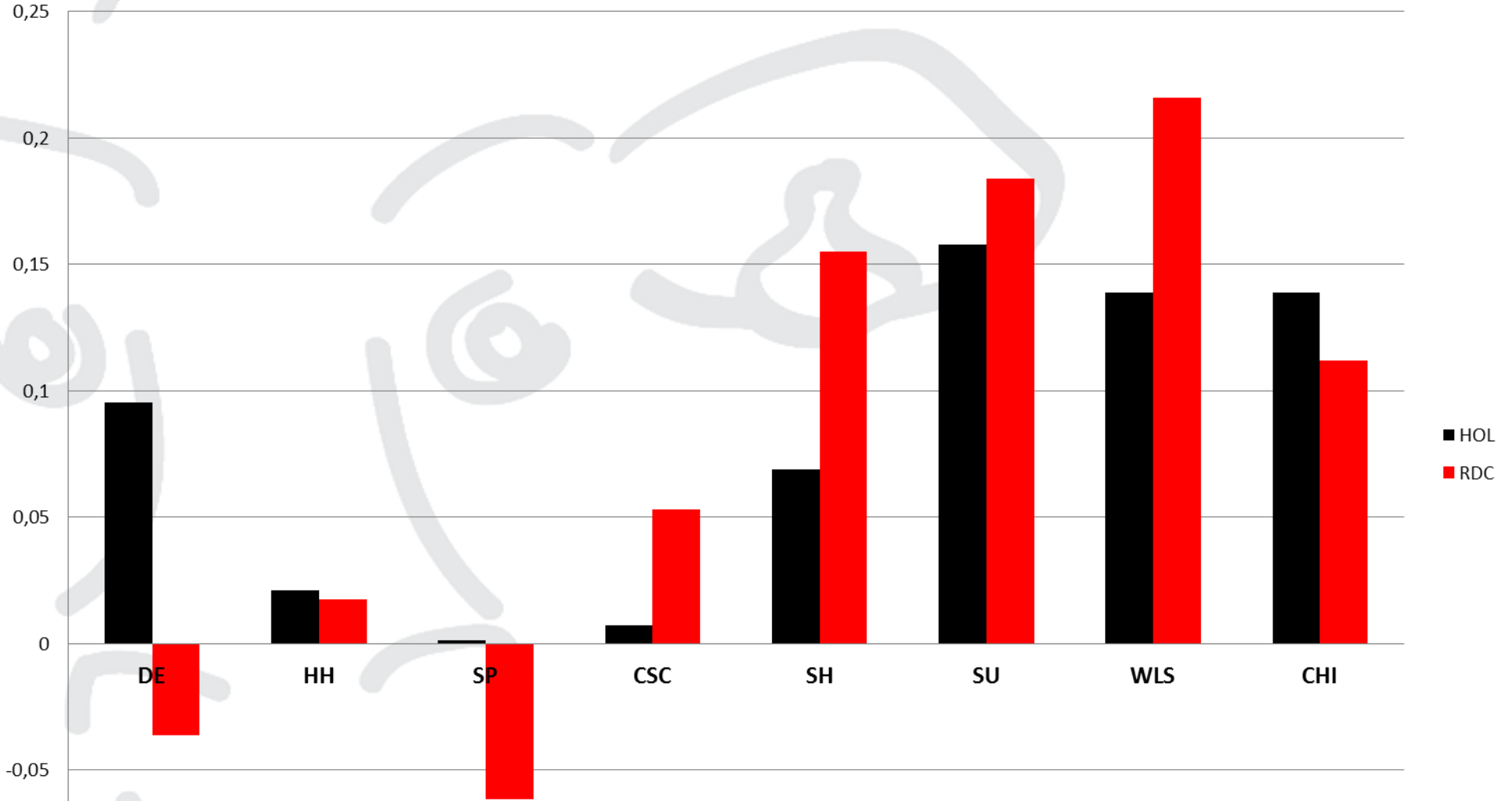


Nordisk Avlsværdi Vurdering • Nordic Cattle Genetic Evaluation

Metabolic related claw traits

- **Sole Haemorrhage (SH)**
Såleblödning Vertymiä anturassa **Sulblödning**
- **Sole Ulcer (SU)**
Sålesår Anturahaavauma + Valkoviivan paise
Klövsolesår
- **White line separation+ double sole (WLS)**
Hul vaeg+ dobbelt sål Valkoviivan repeämä
Hålvägg+ dubbelsula

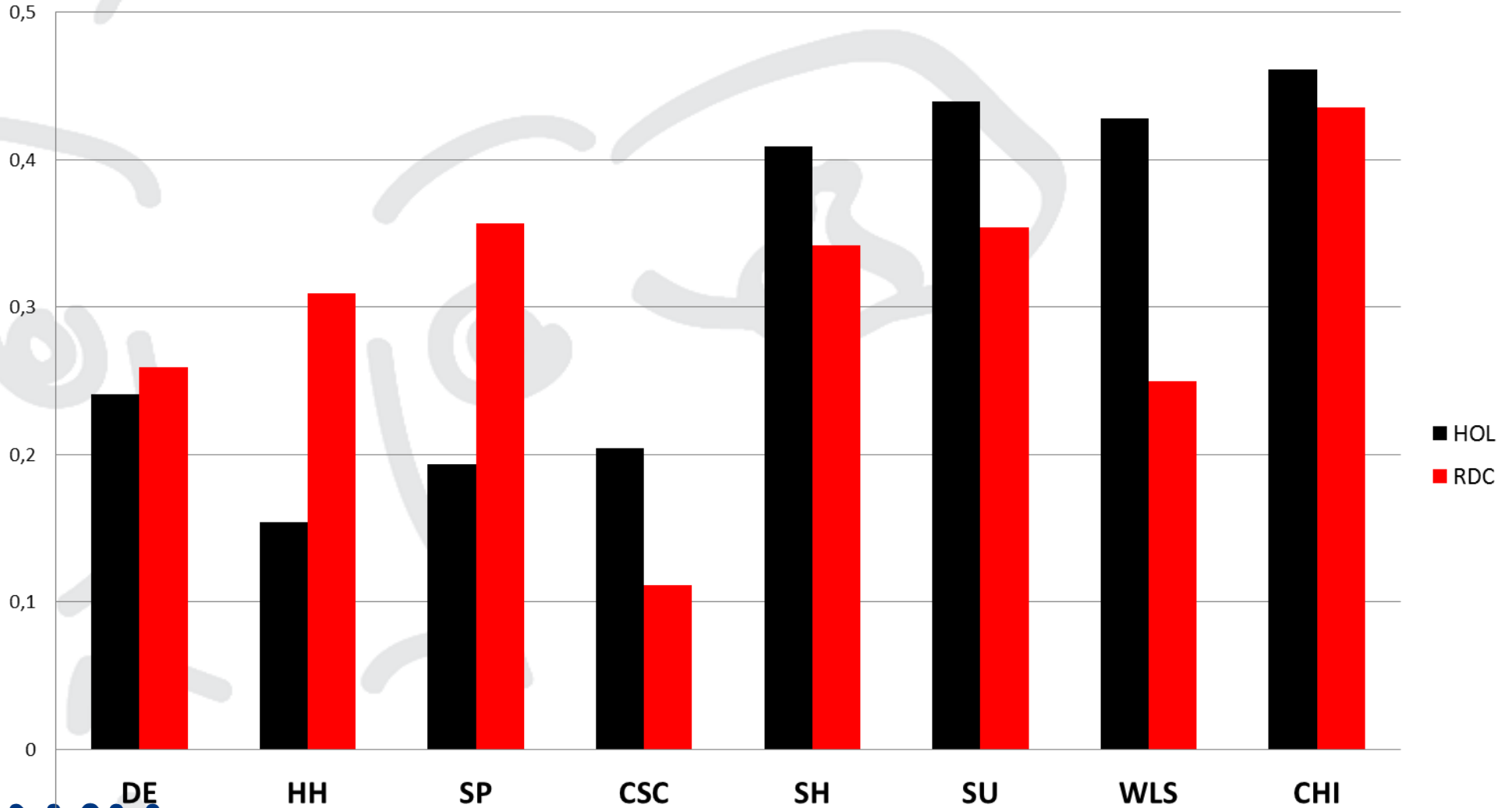
Correlation claw health and metabolic disease



NAV



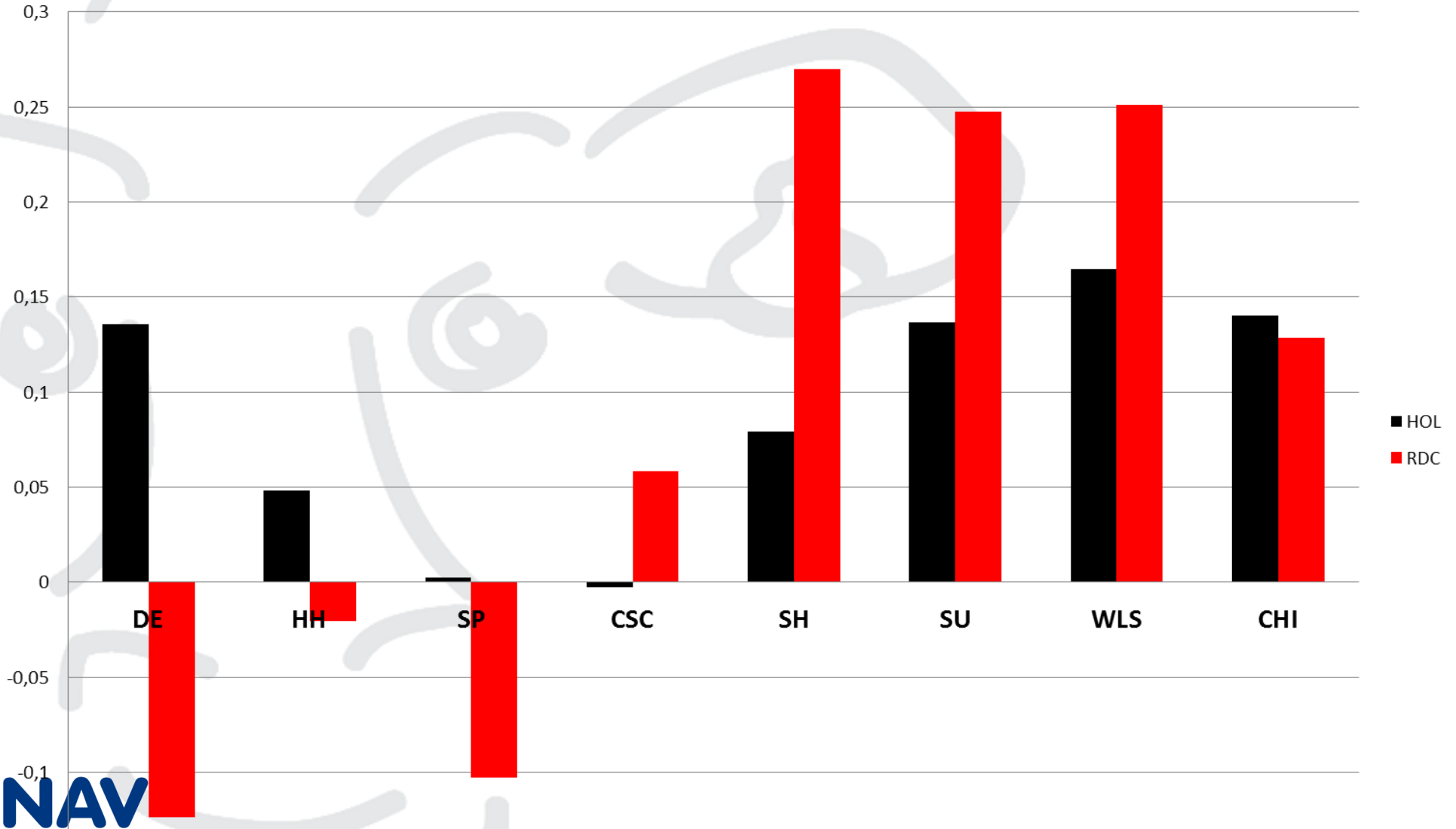
Correlation between claw health and OD feet and legs



NAV



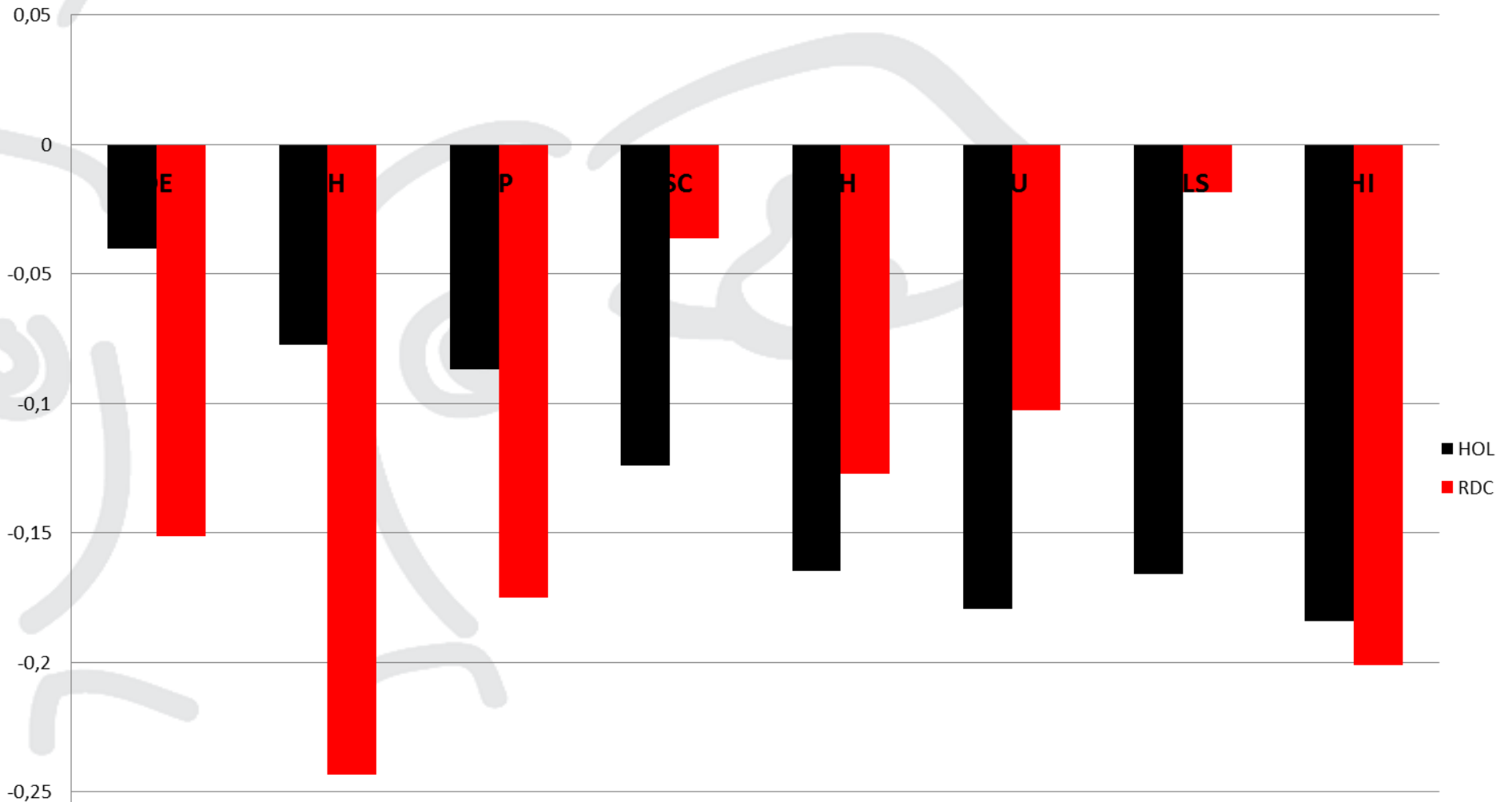
Correlation between claw health and Other Disease

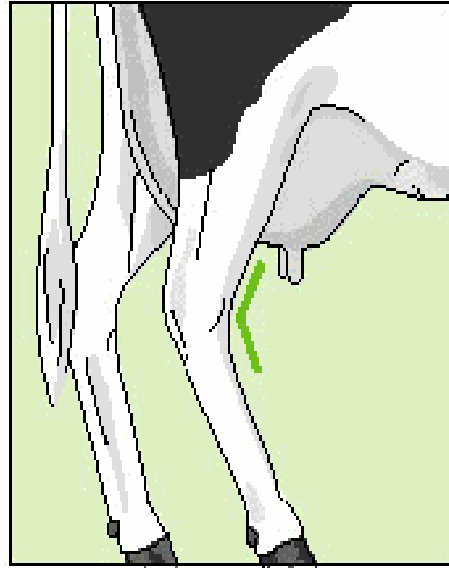
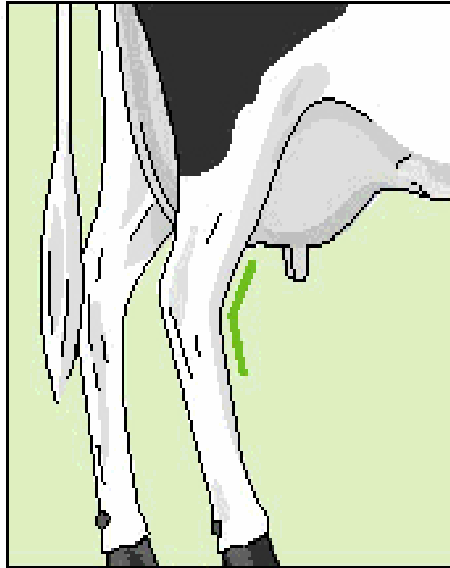
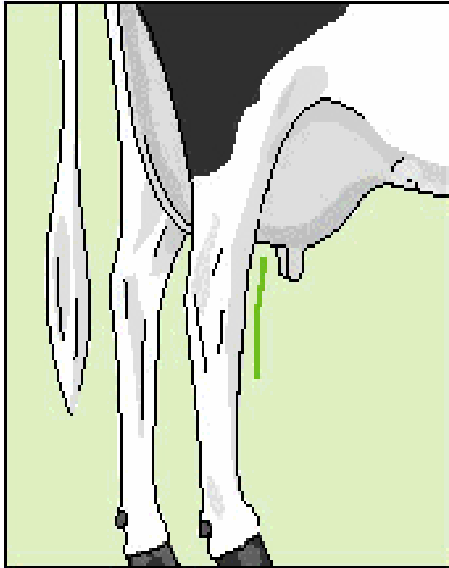


NAV



Correlation between claw health and rear legs side view



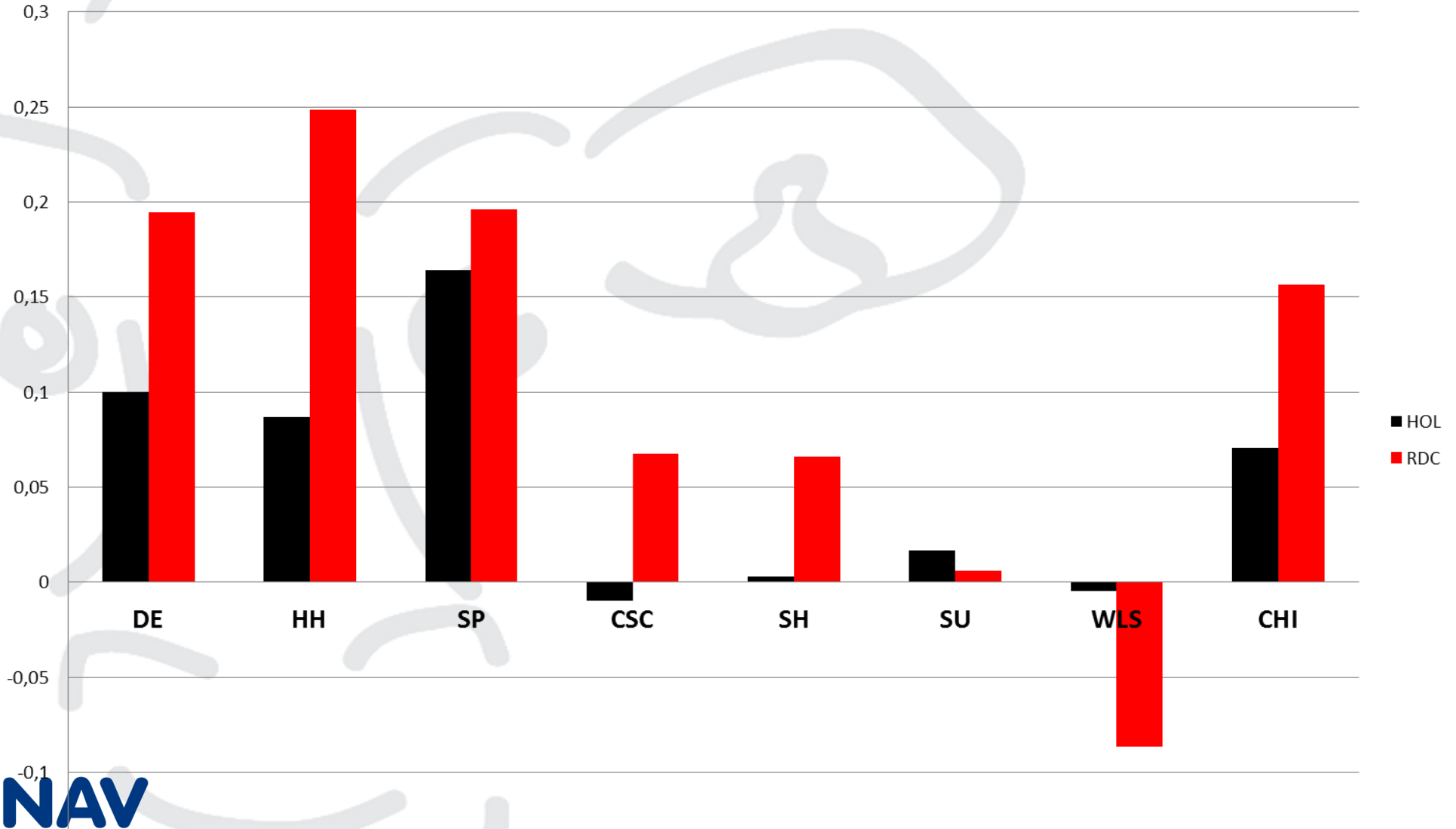


NAV



Nordisk Avlsværdi Vurdering • Nordic Cattle Genetic Evaluation

Correlation between claw health and type feet&legs



NAV



Summary

- **Claw health has a low favourable correlation to NTM and NTM subtraits**
- **Selection for claw health is favourable for all fitness traits**

NAV



Nordisk Avlsværdis Vurdering • Nordic Cattle Genetic Evaluation