

To submit a question

E-MAIL: query@sheep.ie or TEXT: 086 023 7658



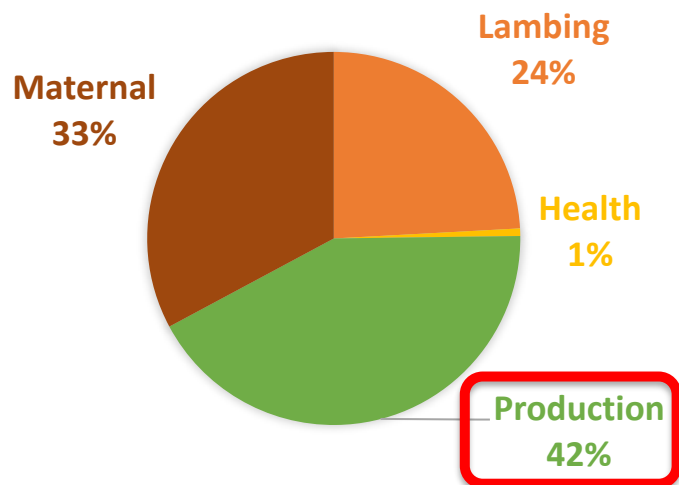
Using carcass data to predict Days to Slaughter more effectively

29th April 2021, Sheep Ireland Industry Meeting

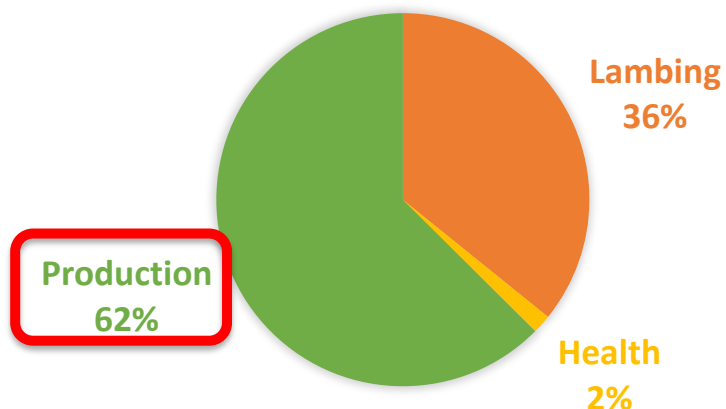


Importance of lamb performance

REPLACEMENT

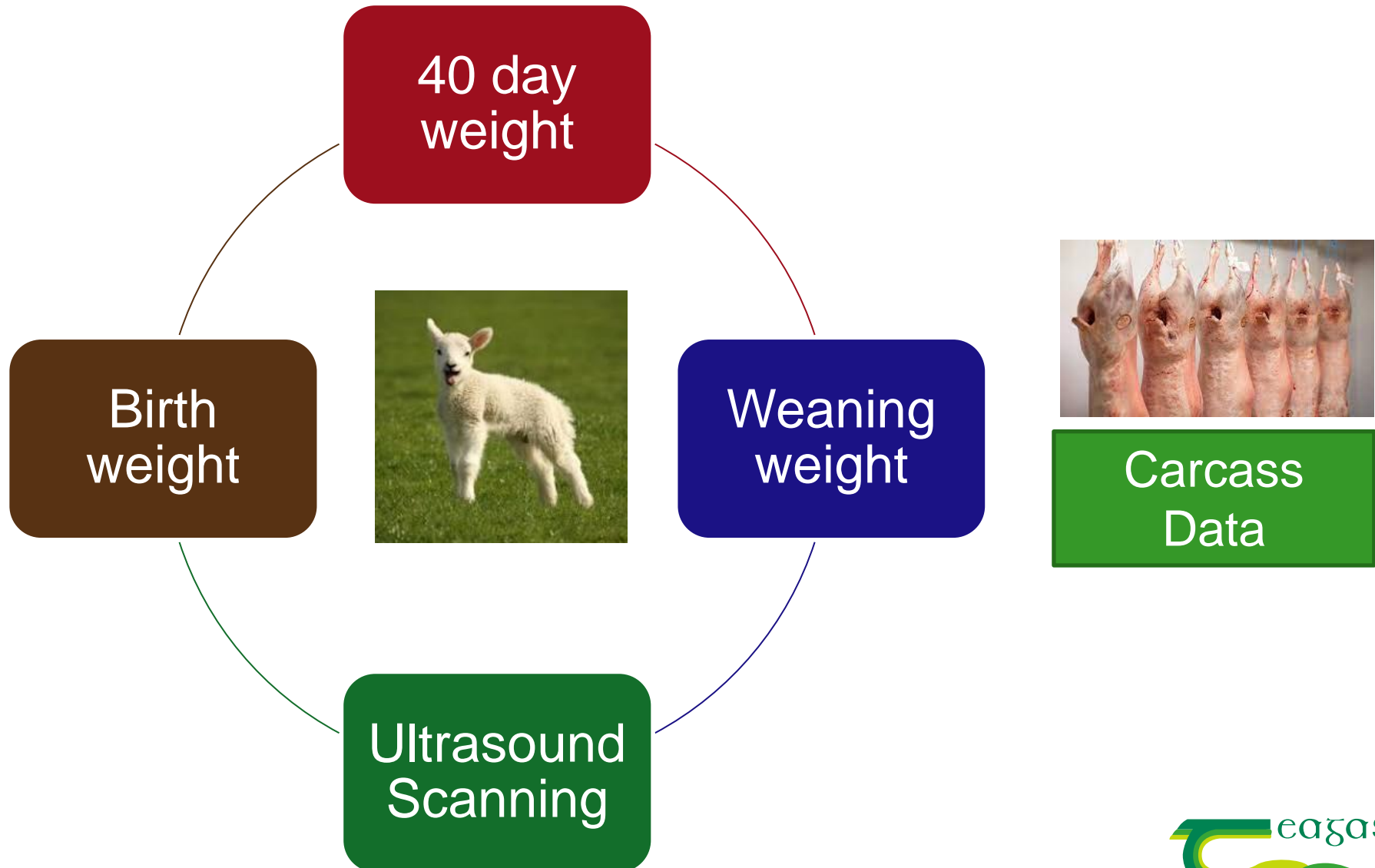


TERMINAL



Days to slaughter
Carcass conformation
Carcass fat

Importance of lamb performance



Objective

Update lamb performance module to include new carcass data



Carcass Data

- 15,714 lambs slaughtered
- 38 commercial flocks
- 8 factories

Carcass Information:

%	E	U	R	O	P
1	0	0	0.03	0.01	0.05
2	0.03	14.64	32.58	0.31	0.01
3	0.10	20.83	28.66	0.46	0.01
4	0	0.66	1.53	0.01	0
5	0	0	0.08	0	0

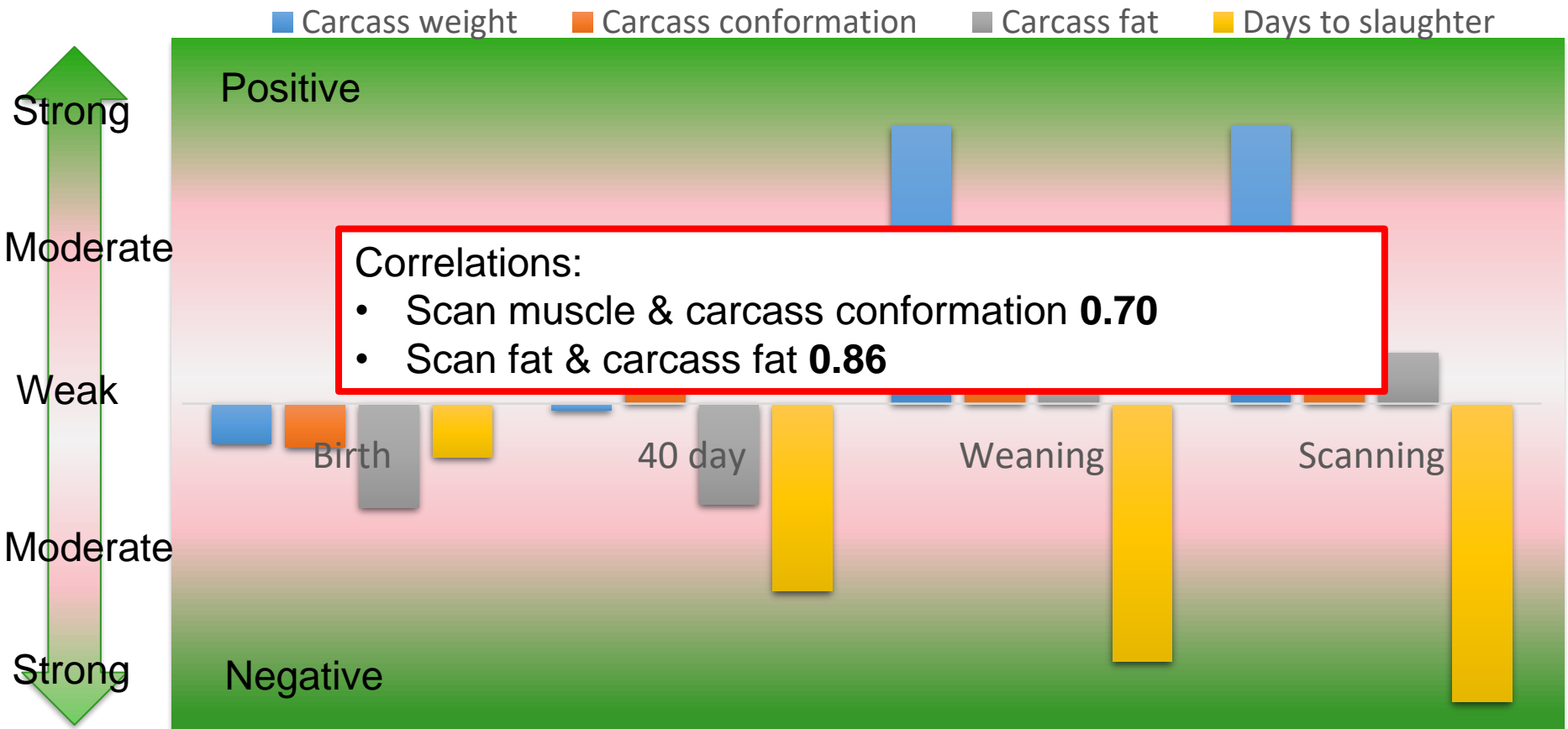
Carcass Data - genetics

1. Are the traits under genetic control?

Trait	Range	Average	Heritability
Carcass weight	15 to 26 kg	20.54 kg	0.14
Carcass conformation	E, U, R, O, P	R	0.19
Carcass fat	1 - 5	2.55	0.09
Days to slaughter	95 to 365	201.62	0.16
Kill out	25 to 55%	45.37%	0.22

Carcass Data - genetics

2. What's the relationship between carcass and lamb performance traits?

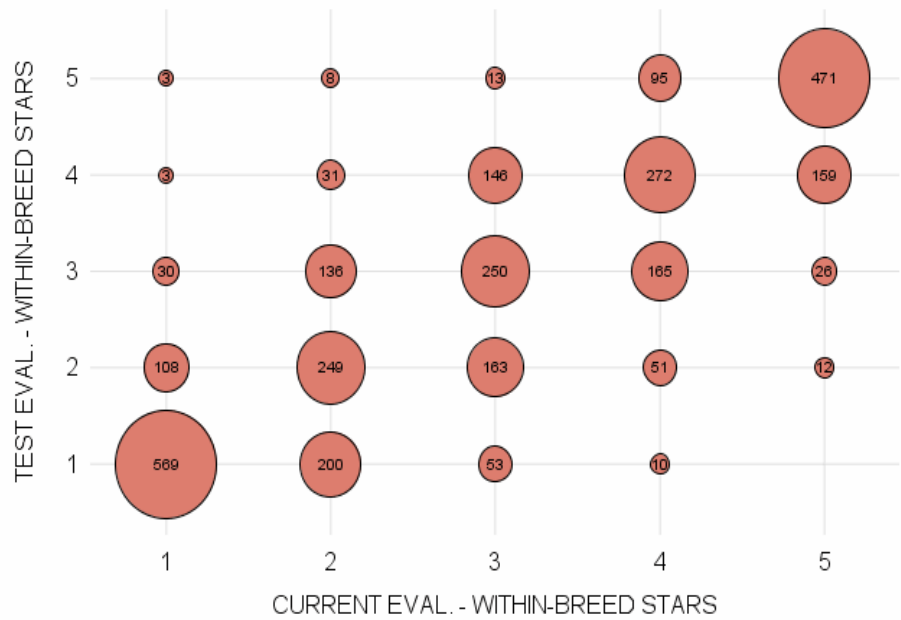


Impact on the indexes

REPLACEMENT STARS - Active rams

Star equal or gain: 2384

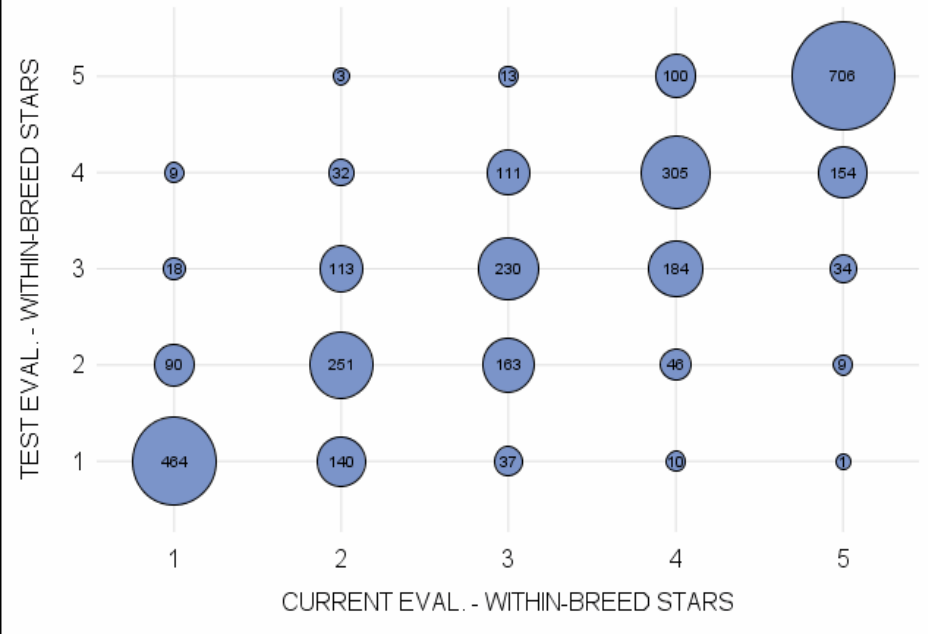
Star loss: 839



TERMINAL STARS - Active rams

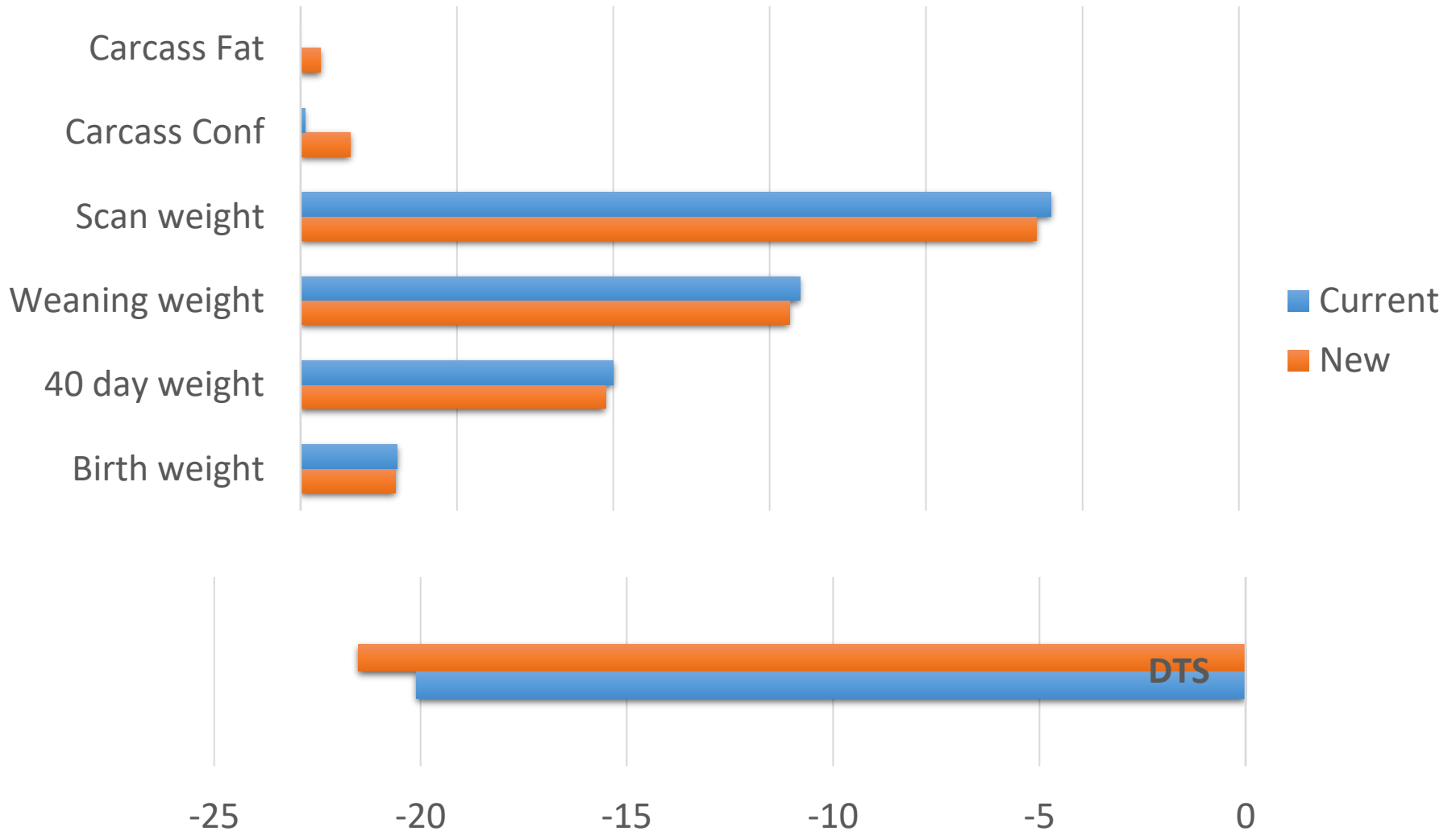
Star equal or gain: 2445

Star loss: 778



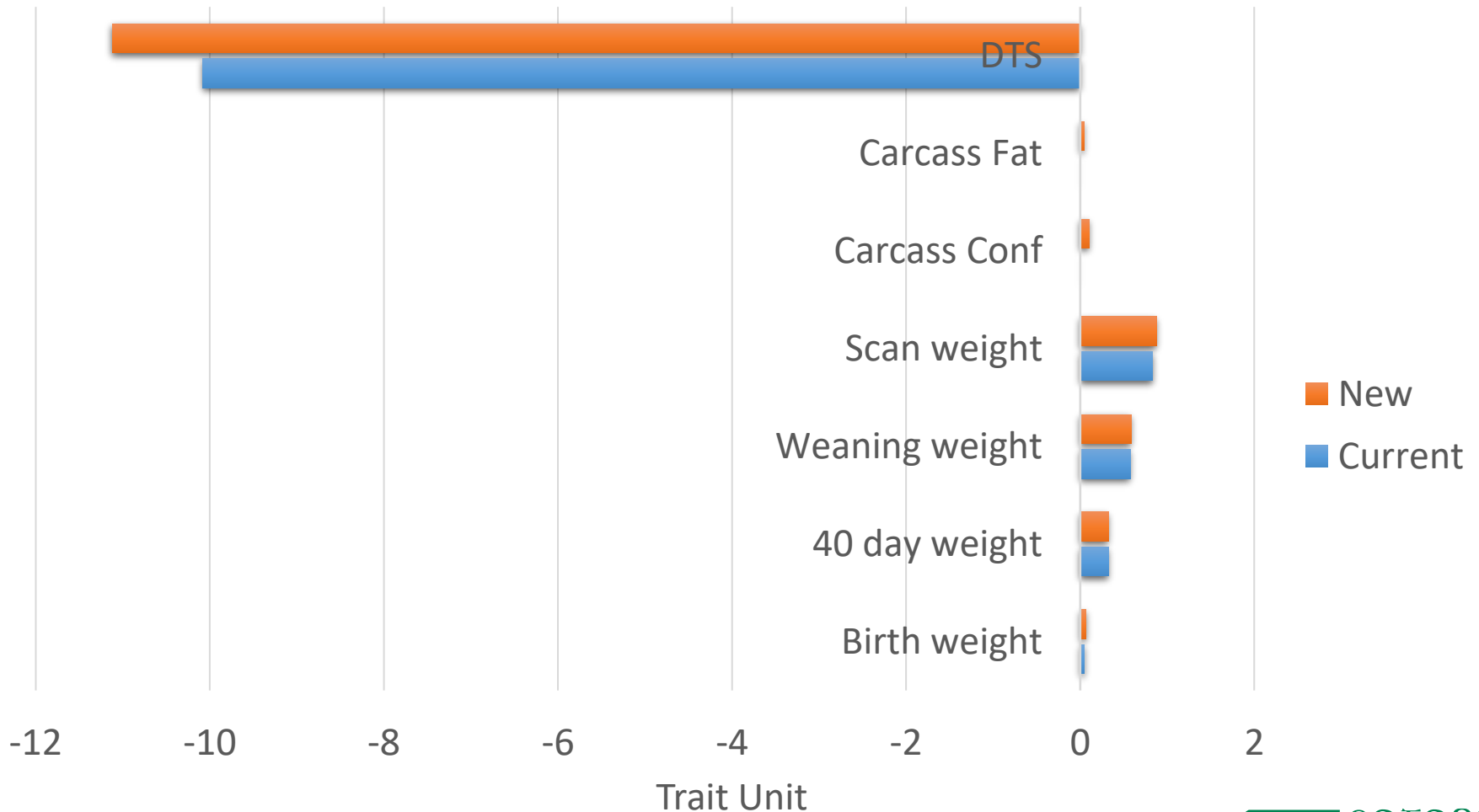
Impact on Indexes

Terminal Index



Impact on Indexes

Replacement Index



- Large amounts of carcass data included in indexes
- More accurate evaluations
- Some movement in individual animal indexes
- Selecting animals with superior growth and carcass characteristics

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SMARTER PARTNERS



Thank you for your attention

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