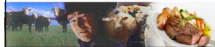




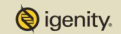
Comprehensive. Practical. Powerful.

Whole Genome Selection Tools



Nothing improves confidence like inside information.

## Analytical Methods



- Numerous methods and combinations tested
- Various development and validation approaches evaluated
- All in collaboration with
  - Academia
  - Government
  - Other companies

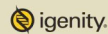


L1 Dominette 01449



Nothing improves confidence like inside information.

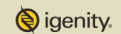
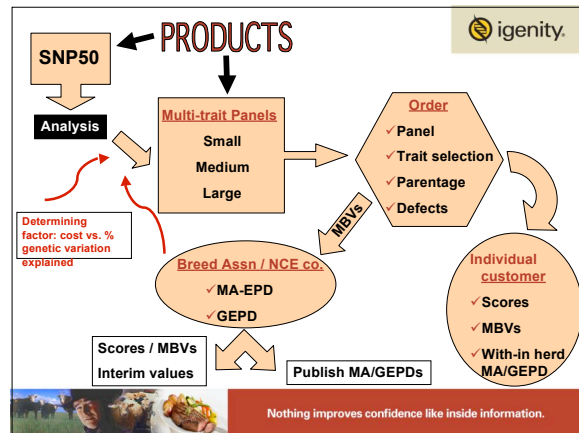
## Some IGENITY Traits in Development or Completed



- Growth – weight & ADG
- Calving ease & milk
- Scrotal circ. & heifer pregnancy rate
- Carcass composition & quality
- Value indexes
- Feed efficiency
- Parasite resistance/susceptibility
- Health
- Healthfulness
- Temperament

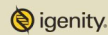


Nothing improves confidence like inside information.



Nothing improves confidence like inside information.

## Genotyping Platforms

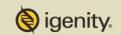


illumina® iScan & BeadXpress Reader

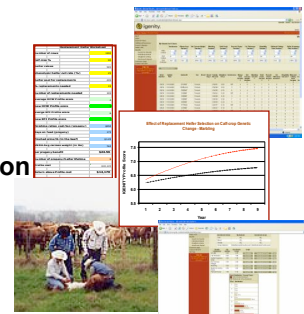


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## IGENITY Software




- Custom sort
- Benchmark
- ROI calculator
- Dynamic prediction models



Nothing improves confidence like inside information.






## The IGENITY® Profile

- Feed efficiency – RFI
- Average daily gain
- Myostatin
- Arthrogryposis multiplex
- Maternal Traits
  - Heifer pregnancy rate
  - Calving ease
  - Stayability
- Carcass traits
  - Carcass composition
  - Carcass quality
- Docility
- Coat color
- Horned / Polled
- Multi-sire parentage
- BVD-PI

**All from a single DNA sample**



Nothing improves confidence like inside information.





## The IGENITY® Profile

### Carcass traits

- Marbling
- Quality grade
- Tenderness
- Ribeye area
- Fat thickness
- Yield grade




Nothing improves confidence like inside information.





## The Profile

## The Power