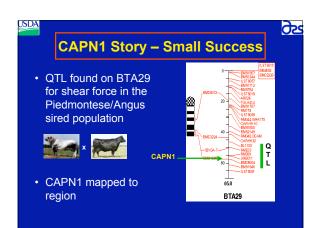
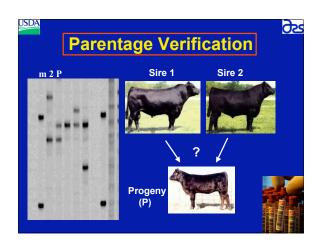
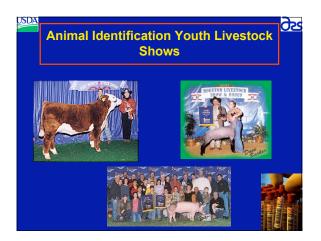


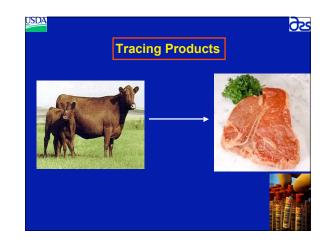


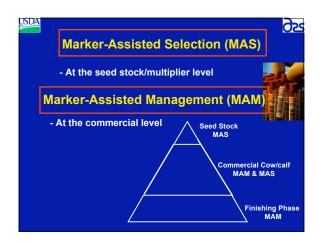
	Carcass Traits – Minor Success						
Traits ^a	QTL ^b	Chromosomes ^c					
TEND		2 45 789	10 11 1	5 18 19 :	20		29
MAR	24	23456789	10 12 13 14	16 17 18	20 21 23	26 27	
PCHOICE							
FATD		123 5678					
BFAT EBV		56					
AFAT							
EEFAT							
FATTYD							
RIBFAT							
КРН				5 16 17			
FAª							
LMA							
REA							
RIBB							
SWT				16 17			
RPYD			12 13	18 19			
CW		12 4567	10 12 13 14		22 23 24		
DP			10 13				
YG			11 12 14				



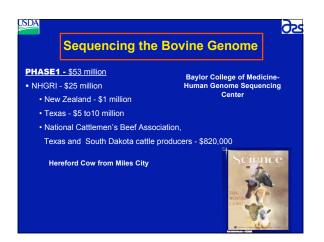


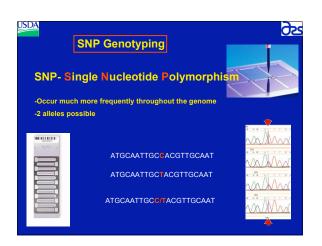












Illumina Infinium I	Bovine BeadChi	20
~ 54,008 SNP markers across the bovine genom	9	
- On average SNP every <67,000 base pair	(Van Tassell et al., 2008 N Places Bades Illumina' BeadScan	
- Discovery SNP includes many breeds		
BARC USMARC University of Missouri University of Alberta		

WGS – Whole-Genome Selection

 "There is no doubt that whole genomeenabled selection has the potential for being the most revolutionary technology since artificial insemination and performancebased index selection to change the nature of livestock improvement in the foreseeable future"

Dorrian Garrick, Iowa State University



 Animals are genotyped that may or may not have phenotypic information and genetic merit is estimated.

