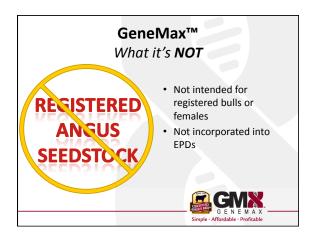
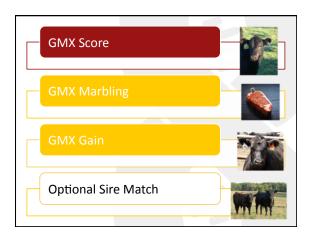


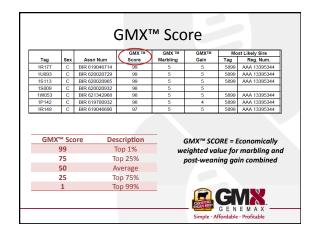


### GeneMax™ What it IS • DNA test for Marbling and Post-weaning Gain • Intended Use: — By commercial cattlemen — On Angus-sired cattle • Selection, Marketing & Decision tool — Commercial replacement heifers — Feeder cattle

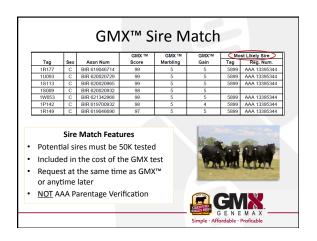






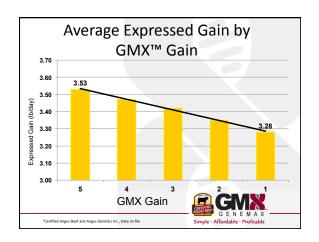


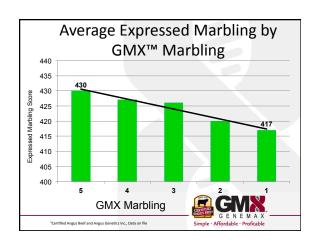
			GMX ™	GMX ™	GMXTM	Most Likely Sire	
Tag	Sex	Assn Num	Score	Marbling	Gain	Tag	Reg. Num.
1R177	С	BIR 619046714	99	5	5	5899	AAA 13395344
1U093	С	BIR 620020729	99	5	5	5899	AAA 13395344
1S113	С	BIR 620020965	99	5	5	5899	AAA 13395344
1S009	С	BIR 620020932	98	5	5		
1W053	С	BIR 621342968	98	5	5	5899	AAA 13395344
1P142 1R149	C	BIR 619700932 BIR 619046690	98	5	5	5899 5899	AAA 13395344 AAA 13395344
111110	-	DITTOTOGGGG				0000	70000004
	MX"	1	-/				
	iMX™ arblir		ion				
M		ng Descript	ion	GMV	M Teait - I	ndivid	ual valvo fe
M	arblir	ng Descript in	<u> </u>				ual value fo
M	arblir ıd Ga	ng Descript	%				ual value fo caning gain
M	arblir id Ga 5	Description Top 209 61-809	% %				
M	arblir d Ga 5 4 3	Description Top 209 61-809 Middle 2	% %				
M	arblir id Ga 5 4	Description Top 209 61-809	% %				





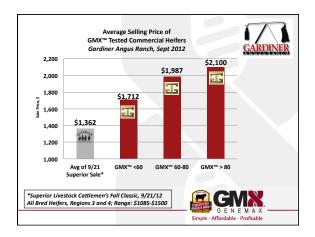
## Validation study conducted by CAB, AGI and Pfizer Animal Genetics 1,975 hd of high percentage Angus feeder cattle with performance and carcass data<sup>1</sup> Study findings GMX Score was associated with increased likelihood of achieving higher Quality Grade (P < 0.0001) and increased carcass value (P < 0.0001) GMX Score was associated with increased ADG (P = 0.03) GMX Score was associated with greater carcass value per day on feed (P < 0.0001) \*\*Certified Angus Beel and Angus Corrects Inc., Data on file \*\*Certified Angus Beel and Angus Corrects Inc., Data on file





# GMX<sup>™</sup> Score — Economics • Conclusion: - For every 10 unit increase in GMX<sup>™</sup> Score, animal value increases by \$3.30/head for every 100 days on feed - Assuming an \$8 Choice/Select spread and \$325/ton DM ration cost GMX<sup>™</sup> 25 Starting Weight: 600 lbs, DOF: 200, End Weight: 1300 lbs

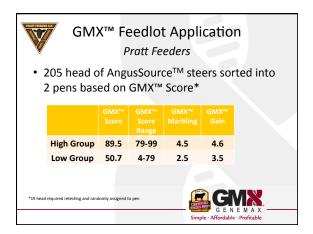
### Applications for the Cow-calf Producer • Heifer selection and breeding tool - Select the *best* growth and marbling genetics - Make more strategic breeding decisions - With Sire Match, improve selection and mating decisions • Culling tool • Marketing tool - Feeder cattle - Heifers

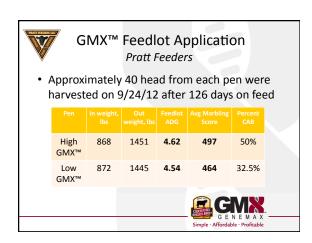


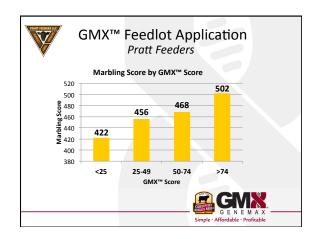
### Applications for the Feeder

- Procurement tool to more accurately assign value to feeder cattle
- Management tool for sorting, technology use, and marketing
- "Genetic risk management"









### How it works

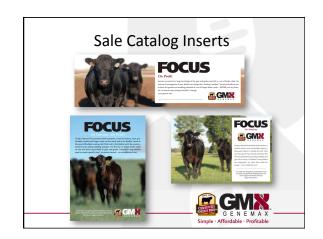
- Available through Certified Angus Beef
  - www.CABPartners.com
- Order test kits
  - Card and lancet = \$0.50 each
  - Test = \$17 each
- Collect blood (preferred) samples and mail to AGI for processing
- Test results returned in less than 4 weeks



### Opportunities for the registered Angus breeder

- Promote to bull customers bring them another valuable service only available to those using Angus bulls
- Incorporate into customer appreciation sales create further points of difference
- Sire Match feature brings value to those customers investing in HD50K tested bulls





### **Sale Catalog Insert Promotion**

- Send us your sale catalog with a  $\mathsf{GMX}^{\scriptscriptstyle\mathsf{TM}}$  ad and we send you a GMX™ pullover
- For every 50 catalogs received, 1 winner will be selected for 25 free GMX™ tests



