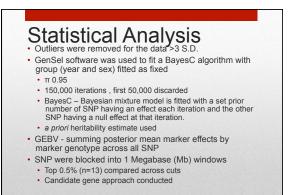


PUFA	MUFA
C18:2 trans	C14:1 trans
C18:2	C14:1
C18:3 gamma	C16:1 trans
C18:3 alpha	C16:1 alpha
C20:2	C17:1
C20:3	C18:1 trans
C20:4	C20:1
C20:5	C22:1
C22:2	C24:1
C22:5	
C22:6	

N



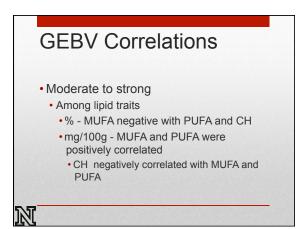
Sumn	nary of I	ipid trai	ts	
Trait		n	Mean	± S.D.
ST Cholesterol	(mg/100g)	225	46.26	4.73
ST Cholesterol	(% of fat)	223	1.94	2.48
LTL Cholesterol	(mg/100g)	225	45.76	4.48
LTL Cholesterol	(% of fat)	222	0.50	0.45
ST PUFA	(mg/100g)	227	378.87	132.31
ST PUFA	(% of fat)	222	8.50	5.20
LTL PUFA	(mg/100g)	224	572.60	180.07
LTL PUFA	(% of fat)	223	5.27	2.21
ST MUFA	(mg/100g)	227	2461.14	1977.84
ST MUFA	(% of fat)	223	45.11	5.50
LTL MUFA	(mg/100g)	227	6087.70	3233.42
LTL MUFA	(% of fat)	224	46.25	4.31

Trait		n	Mean	± S.D.
ST Protein	%	227	22.91	1.33
LTL Protein	%	225	21.69	1.86
ST Iron	ppm	226	13.92	2.62
LTL Iron	ppm	224	13.65	2.06
ST Sodium	ppm	226	3484.30	227.99
LTL Sodium	ppm	227	3015.18	268.71
LTL Potassium	ppm	227	393.92	29.02
ST Potassium	ppm	226	418.69	32.14

Trait		Heritability
ST Cholesterol	(mg/100g)	0.45 (0.11)
ST Cholesterol	(% of fat)	0.45 (0.10)
LTL Cholesterol	(mg/100g)	0.50 (0.06)
LTL Cholesterol	(% of fat)	0.50 (0.09)
ST Poly Unsaturated Fatty Acids	(mg/100g)	0.45 (0.04)
ST Poly Unsaturated Fatty Acids	(% of fat)	0.65 (0.06)
LTL Poly Unsaturated Fatty Acids	(mg/100g)	0.70 (0.08)
LTL Poly Unsaturated Fatty Acids	(% of fat)	0.70 (0.08)
ST Mono Unsaturated Fatty Acids	(mg/100g)	0.60 (0.10)
ST Mono Unsaturated Fatty Acids	(% of fat)	0.60 (0.08)
LTL Mono Unsaturated Fatty Acids	(mg/100g)	0.85 (0.04)
LTL Mono Unsaturated Fatty Acids	(% of fat)	0.40 (0.10)

GEBV	Correlations
Low to mo Among pr Iron and Sodium a Sodium a Sodium a Lipids with PUFA ar MUFA ar	phenotypic correlations derate and varied in direction otein and minerals protein -0.32 and protein -0.09 (ST) and protein 0.15 (ST and LTL) and protein 0.25 (LTL) n protein and minerals id protein 0.59 (ST) and protein -0.53 (ST) protein 0.35 (ST)

Trait		Heritability
ST Protein	%	0.75 (0.06)
LTL Protein	%	0.70 (0.08)
ST Iron	ppm	0.35 (0.09)
LTL Iron	ppm	0.35 (0.13)
ST Sodium	ppm	0.05 (0.05)
LTL Sodium	ppm	0.15 (0.08)
ST Potassium	ppm	0.65 (0.09)
LTL Potassium	ppm	0.75 (0.08)



GEBV Correlations

- Interpretation is conditional upon the measurement scale
- Example: When the gravimetric amount of PUFA is low the amount of PUFA relative to total fatty acids can be high due to the amount of total fatty acids being low.

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