	Meat Quality	Meat Quality	Meat Quality	Meat Quality	Meat Quality
GeneMarker	Napole	PRKAG3	Stress	CAST_249	CAST_638
	RN		HAL 1843		
				<u> </u>	
Possible combinations	GG,GA,AA	AA,AG,GG	CC,CT,TT	AA,AG,GG	AA,AC,CC
Desired Allele	GG=	AA	CC=	AA	AA
	RN free		Stress free	<u> </u>	
Carrier	GA	AG	CT	AG	AC
2 copies of the	AA=	GG	TT=	GG	CC
<u>undesired</u> allele	homozygous mutant	ı	di-mutant		

Growth type	Feed intake
	and <b>ADG</b>
MC4R	CCKAR
GG,AG,AA	GG,GA,AA
A <u>or</u> G	GG
see description below	GA
	AA
	•

Misc. information	muscle glycogen	Tenderness	Tenderness
	(additional test to	* pH	
	Napole RN test)	* water holding	g capacity
		* tenderness	
	* pH		
	* color	CAST = calpasta	atin protein
	Kinase protein	*firmness	
	·	*juiciness	
		*Instron	
		*cooking loss	
		*chewiness	
		*tenderness	

Lean/Efficient Growth	G =		
GG=	5% better feed intake		
8-9% less backfat	3% better ADG		
lower intake	3% fewer days to 180kg		
signifiently better FE			
	associated with:		
Fast Growth	feed intake		
AA=	hunger control		
grow faster	obesity		
eat 8% more feed			
(reach market 3 days	( <u>NEVER</u> had		
sooner than GG pigs)	an animal		
	with other		
	than GG)		