

















Phene	otype	CC	CA	AA	Total
Five-	gaited	0	1	65	66
Four-	gaited	2	83	39	124
Total		3	105	149	257
*	One probable	misclassificat	tion		
*	31% of four- to the genetic	gaited horses model (mod	s should be ab lifier loci or tra	le to pace a iining)	ccording
*	l ow number (of homozvao	us wild type -	traditions in	breeding

Examination of Icelandic Horse Pedigrees

Data collected from the data base WorldFengur is concordant with a recessive mode of inheritance

Mating	Number of offspring	Expected non- pace (%)	Observed non- pace (%)
non-pace x non-pace	336	75	75
non-pace x pace	1098	50	46
pace x pace	948	0	9

Breed	CC	CA	AA
Gaited	_		
Icelandic Horse	3	105	149
Rocky Mountain Horse	0	0	17
Kentucky Mountain Saddle Horse	0	2	20
Missouri Fox Trotters	0	0	40
Peruvian Paso	0	0	19
Paso Fino	0	0	45
Standardbred Pacers	0	0	37
Tennessee Walkers	0	1	32
Non-Gaited			
Gotland Pony	28	0	0
Swedish Ardenne	22	0	0
Swedish Warmblood	35	0	0
Arabian	29	0	0
Thoroughbred	35	0	0
Shetland Pony	20	0	0
North Swedish Draft	 31	0	0 0

Breed	CC	CA	AA	Total
Standardbred (SB)	3	31	304	338
B		k		





* Famous Standardbred stallion	was CA		
* Tested 92 of his offspring			
	CA	AA	р
Average earnings (life):	85,652	195,363	0.062
Average earnings (3-5 yrs):	20,174	78,618	0.002
# entered races(3-5 yrs)	9	17	0.004
Offspring entering races (3-5 yrs)	49%	80%	0.001

		CA	AA
Standardbred (trotting)	3	31	304
North Swedish Trotter	74	168	48
North Swedish Draft	31	0	0









