



DNA SYNCHROGAIT Gene Test

- . Request AMHA consider including the SYNCHROGAIT Gene Test as an option for initial registering a Morgan or as requested by the owner.
- . Test can be used to determine gait gene for the Gaited Morgan breeder, but also can be used by those desiring only to have non gaiting offspring to project odds of various combinations of horses.

SUMMARY OF SYNCHROGAIT Gene Test

The DNA test will ID the horse's gait genes as one of the following three: Homozygous A/A --- the horse will perform ambling and lateral gaits. Heterozygous A/C --- the horse will perform lateral gaits. Homozygous C/C -- the horse will perform the walk, trot and canter. These are explained in the article <http://www.capiletgenetics.com/en/dna-2>

NOTE: The CA horse may stop gaiting after a few months from birth and not display gait again until they are saddle trained. They can be trained to display their gait by the info included in article written by Lee Ziegler --- "Convert the Trot" <http://gaitedmorgansassociation.com/Articles/ConvertTheTrot.pdf> If you read the last sentence of the article, these same techniques can be used to teach a trotter CC to gait.

		 stallion		
		C:C	C:A	A:A
 mare	C:C	100% C:C	50% C:C 50% C:A	100% C:A
	C:A	50% C:C 50% C:A	25% C:C 50% C:A 25% A:A	50% C:A 50% A:A
	A:A	100% C:A	50% C:A 50% A:A	100% A:A

Current issues the test may help

- . Assist Gaited Morgan breeder in selection of breeding stock. Also can be used by those only wanting to produce CC---walk/trot/canter horses.
- . Loss of horses AA or CA produced unintentionally. Currently many find their way to an auction or are not registered.

If you think the SynchroGait Gene Test should be a voluntary option, please send an email to:

Linnea Sidi mlmorgans@aol.com and Erica Richards Erica@morganhorse.com in support.