

Simpson Park/Rocky Hills Curly Mustangs DNA Marker Results

Sample Date 1/08/2009

Breed Group Associations

Top 3 most prominent markers associated with Breeds or Breed Groups

Sample Number	Color	Sex	Est.Age	Owner Horse Name	Freeze Brand Number	1 st Association	2 nd Association	3 rd association
C-1	sorrel	Male	1 yr	Connie Rivas "Archer"		North American Saddle Breeds 2 (Morgan, Saddlebred, etc)	Irish Breeds	Warmblood 2- Eastern Europe (Trakehner)
C-2	sorrel	Fem	4 yr	Don Bosman "Blondie" AKA – "Peep"		North American Saddle Breeds 2 (Morgan, Saddlebred, etc)	Thoroughbred	Warmblood 2- Eastern European (Trakehner)
C-3	sorrel	Male	9 yrs	Jeff Parker "Penny 2"		North American Saddle Breeds 2 (Morgan, Saddlebred, etc)	Warmblood 2- Eastern European (Trekehner)	Welsh Pony
C-4	sorrel	Male	10 yrs	Jeff Parker "Copper Jr."		South American Criollo	North American Saddle Breeds 2 (Morgan, Saddlebred, etc)	Pony 3 (Shetland, Hackney, etc)

Sample Number	Color	sex	Est. Age	Owner Horse Name	Freeze Brand Number	1st Association	2nd Association	3rd Association
C-5	Dark Bay	Fem	9 yrs	Carrie Freeland "Nellie"		North American Saddle Breeds 1 (Rocky Mtn. etc.)	North American Saddle Breeds 2 (Morgan, etc.)	South American Criollo
C-6	Red Dun	Fem	4 yr	Angie Gaines "Golden Red"		Tennessee Walking Horse	Warmblood 1 Western European (Dutch WB, etc)	North American Saddle Breeds 2 (Morgan, etc.)
C-7	Sorrel	Fem	1 yr	Angie Gaines "Blossom"		Irish Breeds	Warmblood 1 Western European (Dutch WB, etc)	Tennessee Walker
C-8	Dark Red Roan	Male	14yrs	BLM – Released "Roanie"	NA	Non- Arab Oriental (Caspian, etc)	Pony 1 (New Forest, Highland)	North American Saddle Breeds 2 (Morgan, etc)
C-9	Black	Male	6 mo.	Dr. Mitch Wilkinson "Blackfish"		Pony 1 (New Forest, Highland)	Welch Pony	Andalusian/ Lusitano

C-10	sorrel	Male	10 yr	BLM – Released Born :Fish Creek Relocated-Rocky Hills HMA " Fishy Boy"	NA	Pony 1 (New Forest, Highland)	Welsh Pony	Non- Arab Oriental (Caspian, etc)	Paso Fino Breeds
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Note: This population seems to be heavily influenced by:

1. North American saddle Breeds 1 and 2

2. Warmblood 1 and 2

3. Pony Breeds

Note: Missouri Foxtrotter is included in North Am. 1

Warmblood 1 – Western Europe – includes breeds such as Selle Francais, Belgian, Dutch, Austrian, Swiss, and Danish WB

Warmblood 2 – Eastern Europe – includes breeds such as Hanoverian, Holsteiner, Oldenberg, and Trakehner

Non- Arab Oriental – includes Asian Breeds such as Akhal Teke, Caspian, African Barb, East Indian Breeds, Mongolian, etc.