Phenotype of	Color of Real	Possible Foal colors	Possible Genotype*:
Unicorn	Horse	(gen. descriptions)	Fossible Genolype .
Red	Chestnut (ee)	Bright Red	(Ff Rr bb yy ee)
1104	Flaxen ch. (ee	Bright Red with	( <i>Ff Rr bb yy</i> ee FIFI) – assuming Unicorn
Possible	FIFI)	lighter mane or just	parent is carrying the flaxen gene.
genotypes*:	/	Bright Red	
gonotypoo .	Bay (A_ E_)	Red bay or Dark or	(Ff Rr bb yy A_ E_)
(FF R_ bb yy)		Bright Red	
		-	( <i>Ff Rr bb yy</i> aa E_) Dark
( <i>FF R_ bb yy</i> Flfl) if			( )) _,
carrying a hidden			( <i>Ff Rr bb yy</i> aa ee) Bright
flaxen gene	Black	Black with Red tint or	( <i>Ff Rr bb yy</i> aa E_)
<u> </u>		points or Dark Red	( )) _/
			(Ff Rr bb yy aa ee)
	Champagne - "Golde	en" or champagne sheer	n to the red. This could give the coat a true
Bright Red is red		sy look! Champagne is i	
over chestnut base.	Gold [chestnut]	Golden red	(Ff Rr bb yy aa ee Ch_)
Dark Red is red	Amber [bay]	Honey red with	( <i>Ff Rr bb yy</i> A_ E_ Ch_)
over the black base.		brown points	( )),
Bays can express	Classic [black]	Deep reddish-gray	(Ff Rr bb yy aa E_ Ch_)
the dark/light aspect		with dark dove gray	
varably depending		points	
on the genes	0		h as it does for real horses. For a fantasy
involved.		ook pink or "milky" red.	
	Palomino	Soft or "creamy"	( <i>Ff Rr bb yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )
	[chestnut]	bright red with pale	
		mane/tail	
	Buckskin [bay]	Soft or "creamy" dark	( <i>Ff Rr bb yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )
		red with black-brown points	
	Cremello/Perlino	Pale, almost white	( <i>Ff Rr bb yy</i> aa ee C <sup>cr</sup> C <sup>cr</sup> ) or ( <i>Ff Rr bb yy</i>
	Cremeno/Femino	red	$A_E C^{cr}C^{cr}$
	Dun – Dun creates a		at, and leaves primitive markings.
	Red dun [ch]	Strawberry red with	( <i>Ff Rr bb yy</i> aa ee D_)
		red points & primitive	())) aa oo)
		marks	
	Bay dun [bay]	Dull red with black	( <i>Ff Rr bb yy</i> A_ E_ D_)
		points & primitive	
		markings	
	Grullo [black]	Dull grayish-red with	(Ff Rr bb yy aa E_ D_)
		black points &	
		primitive markings	
			d among the hair of their base coat over their
			ne and tail the base color.
	Red Roan	Strawberry red or	( <i>Ff Rr bb yy</i> aa ee R_)
		pink with a red head,	
	Pov Poor	legs and m/t Dark red with black	(Ef Pr b h) a (A E P)
	Bay Roan	points; head and	( <i>Ff Rr bb yy</i> A_ E_ R_)
		legs will be darker	
		than the rest of the	
		body	
	Blue Roan	Steele-gray reddish-	( <i>Ff Rr bb yy</i> aa E_ R_)
		purple with dark	· · · · · · · · · · · · · · · · · · ·
	l		

		gray/black head, legs	
		and m/t	
Blue	Chestnut (ee)	Bright/Light Blue	(FF rr Bb yy ee)
	Flaxen ch. (ee	Bright/Light Blue with	(FF rr Bb yy ee FIFI) – assuming Unicorn
Possible	FIFI)	lighter mane or just	parent is carrying the flaxen gene.
genotypes*:		Bright/Light Blue	
genetypes .	Bay (A_ E_)	Blue bay or Dark or	(FF rr Bb yy A_ E_)
(FF rr B_ yy)		Bright/Light Blue	
(FF 11 <b>D_</b> yy)		5 4 5 4 4	( <i>FF rr Bb yy</i> aa E_) Dark
( <i>FF rr B_ yy</i> Flfl) if			(EE rr Dh w oo oo) Bright
carrying a hidden	Diask	Black with Blue tint	(FF rr Bb yy aa ee) Bright
flaxen gene	Black		( <i>FF rr Bb yy</i> aa E_)
		or points or Dark	
		Blue	(FF rr Bb yy aa ee)
			n to the blue. This could give the coat a
Bright/Light Blue is		Champagne is not doubl	
blue over chestnut	Gold [chestnut]	Golden blue	( <i>FF rr Bb yy</i> aa ee Ch_)
base. Dark Blue is	Amber [bay]	Honey blue with	( <i>FF rr Bb yy</i> A_ E_ Ch_)
blue over the black		brown points	
base. Bays can	Classic [black]	Deep bluish-gray	( <i>FF rr Bb yy</i> aa E_ Ch_)
express the		with dark dove gray	
dark/light aspect		points	
varably depending	Crème genes - Crèr	me dilutes the coats muc	h as it does for real horses. For a fantasy
on the genes		look baby blue or "milky	
involved.	Palomino	Soft or "creamy"	( <i>FF rr Bb yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )
	[chestnut]	bright blue with pale	
		mane/tail	
	Buckskin [bay]	Soft or "creamy"	( <i>FF rr Bb yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )
		darker blue with	
		black-brown points	
	Cremello/Perlino	Pale, almost white	( <i>FF rr Bb yy</i> aa ee C <sup>cr</sup> C <sup>cr</sup> ) or ( <i>FF rr Bb yy</i>
		blue	A_E_C <sup>cr</sup> C <sup>cr</sup> )
			at, and leaves primitive markings.
	Red dun [ch]	Baby blue with blue	( <i>FF rr Bb yy</i> aa ee D_)
		points & primitive	
		marks	
	Bay dun [bay]	Dull Blue with black	( <i>FF rr Bb yy</i> A_ E_ D_)
		points & primitive	
		markings	
	Grullo [black]	Dull grayish-blue	( <i>FF rr Bb yy</i> aa E_ D_)
		with black points &	
		primitive markings	
			d among the hair of their base coat over their
			ne and tail the base color.
	Red Roan	Baby blue or sky	( <i>FF rr Bb yy</i> aa ee R_)
		blue with a blue	
		head, legs and m/t	
	Bay Roan	Dark blue with black	( <i>FF rr Bb yy</i> A_ E_ R_)
		points; head and	
		legs will be darker	
		than the rest of the	
		body	

	Blue Roan	Steele-gray blue with	( <i>FF rr Bb yy</i> aa E_ R_)	
	Dide Roan	dark gray/black	( <i>I I I D J J J J J J J J J J</i>	
		head, legs and m/t		
Yellow	Chestnut (ee)	Bright/Light Yellow	(FF rr bb Yy ee)	
	Flaxen ch. (ee	Bright/Light Yellow	(FF rr bb Yy ee FIFI) – assuming Unicorn	
Possible	FIFI)	with lighter mane or	parent is carrying the flaxen gene.	
genotypes*:		just Bright/Light		
0 11		Yellow		
(FF rr bb Y_)	Bay (A_ E_)	Yellow bay or Dark	(FF rr bb Yy A_ E_)	
		or Bright/Light Yellow		
( <i>FF rr bb</i> Y_ Flfl) if			( <i>FF rr bb Yy</i> aa E_) Dark	
carrying a hidden				
flaxen gene			(FF rr bb Yy aa ee) Bright	
	Black	Black with Yellow tint	( <i>FF rr bb</i> Yy aa E_)	
		or points or Dark		
		Yellow	(FF rr bb Yy aa ee)	
Bright/Light yellow			n to the yellow. This could give the coat a	
is yellow over		Champagne is not double		
chestnut base.	Gold [chestnut]	Golden yellow	(FF rr bb Yy aa ee Ch_)	
Dark yellow is	Amber [bay]	Honey yellow with	( <i>FF rr bb Yy</i> A_ E_ Ch_)	
yellow over the		brown points		
black base. Bays	Classic [black]	Deep yellowish-gray	( <i>FF rr bb Yy</i> aa E_ Ch_)	
can express the		with dark dove gray		
dark/light aspect varably depending		points	h an it doop for roal horoop. For a fantany	
on the genes	Crème genes - Crème dilutes the coats much as it does for real horses. For a fantasy yellow, the coat could look white-yellow or "milky" yellow.			
involved.	Palomino	Soft or "creamy"	( <i>FF rr bb Yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )	
	[chestnut]	bright yellow with		
	lonoomad	pale mane/tail		
	Buckskin [bay]	Soft or "creamy"	(FF rr bb Yy aa ee C <sup>cr</sup> c <sup>cr</sup> )	
		darker yellow with		
		black-brown points		
	Cremello/Perlino	Pale, almost white	(FF rr bb Yy aa ee C <sup>cr</sup> C <sup>cr</sup> ) or (FF rr bb Yy	
		yellow	A_ E_ C <sup>cr</sup> C <sup>cr</sup> )	
			at, and leaves primitive markings.	
	Red dun [ch]	White-yellow with	( <i>FF rr bb Yy</i> aa ee D_)	
		yellow points &		
	Davidure [havi]	primitive marks		
	Bay dun [bay]	Dull Yellow with	( <i>FF</i> rr bb Yy A_ E_ D_)	
		black points & primitive markings		
	Grullo [black]	Dull grayish-yellow	( <i>FF rr bb</i> Yy aa E_ D_)	
		with black points &		
		primitive markings		
	Roans – True roans		d among the hair of their base coat over their	
			ne and tail the base color.	
	Red Roan	White-yellow with a	(FF rr bb Yy aa ee R_)	
		yellow head, legs		
		and m/t		
	Bay Roan	Dark yellow with	(FF rr bb Yy A_ E_ R_)	
		black points; head		
		and legs will be		
		darker than the rest		
		of the body		

	Blue Roan	Steele-gray yellow	( <i>FF rr bb Yy</i> aa E_ R_)	
	Dide Roan	with dark gray/black		
		head, legs and m/t		
Orange	Chestnut (ee)	Bright/Light Orange	(FF Rr bb Yy ee)	
_	Flaxen ch. (ee	Bright/Light Orange	(FF Rr bb Yy ee FIFI) – assuming Unicorn	
Possible	FIFI)	with lighter mane or	parent is carrying the flaxen gene.	
genotypes*:		just Bright/Light		
		Orange		
( <i>FF R_ bb Y_</i> )	Bay (A_ E_)	Orange bay or Dark	(FF Rr bb Yy A_ E_)	
		or Bright/Light		
(FF R_ bb Y_ Flfl) if		Orange	( <i>FF Rr bb Yy</i> aa E_) Dark	
carrying a hidden				
flaxen gene			(FF Rr bb Yy aa ee) Bright	
	Black	Black with Orange	(FF Rr bb Yy aa E_)	
		tint or points or Dark		
		Orange	(FF Rr bb Yy aa ee)	
Bright/Light orange			n to the Orange. This could give the coat a	
is yellow and red	golden tangerine loo			
over chestnut base.	Gold [chestnut]	Golden Orange	(FF Rr bb Yy aa ee Ch_)	
Dark orange is	Amber [bay]	Honey Orange with	( <i>FF Rr bb Yy</i> A_ E_ Ch_)	
yellow and red over		brown points		
the black base.	Classic [black]	Deep Orange -gray	( <i>FF Rr bb Yy</i> aa E_ Ch_)	
Bays can express		with dark dove gray		
the dark/light aspect		points		
varably depending			h as it does for real horses. For a fantasy	
on the genes involved	orange, the coat could look white-orange or peach.			
IIIvoiveu	Palomino	Soft or peach with	( <i>FF Rr bb</i> Yy aa ee C <sup>cr</sup> c <sup>cr</sup> )	
	[chestnut]	pale mane/tail Soft or "creamy"	( <i>FF Rr bb Yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )	
	Buckskin [bay]	darker Orange with	(FF RI DD TY da ee C <sup>o</sup> C <sup>o</sup> )	
		black-brown points		
	Cremello/Perlino	Pale, almost white	(FF Rr bb Yy aa ee C <sup>cr</sup> C <sup>cr</sup> ) or (FF Rr bb Yy	
		Orange	$A_E C^{cr}C^{cr}$	
	Dun – Dun creates a		at, and leaves primitive markings.	
	Red dun [ch]	White- Orange with	(FF Rr bb Yy aa ee D)	
		Orange points &	(,)	
		primitive marks		
	Bay dun [bay]	Dull Orange with	(FF Rr bb Yy A_ E_ D_)	
		black points &		
		primitive markings		
	Grullo [black]	Dull grayish- Orange	( <i>FF Rr bb Yy</i> aa E_ D_)	
		with black points &		
		primitive markings		
			d among the hair of their base coat over their	
			ne and tail the base color.	
	Red Roan	White- Orange with a	( <i>FF Rr bb Yy</i> aa ee R_)	
		Orange head, legs		
	Pay Deer	and m/t		
	Bay Roan	Dark Orange with	( <i>FF Rr bb Yy</i> A_ E_ R_)	
		black points; head and legs will be		
		darker than the rest		
		of the body		
	1			

	Blue Roan	Steele-gray Orange	(FF Rr bb Yy aa E_ R_)	
	Dive Ruali	with dark gray/black	$(FF \cap DD fy aa L_ n_)$	
		head, legs and m/t		
Green	Chestnut (ee)	Bright/Light Green	(FF rr Bb Yy ee)	
Ciccii	Flaxen ch. (ee	Bright/Light Green	( <i>FF rr Bb Yy</i> ee FIFI) – assuming Unicorn	
Possible	FIFI)	with lighter mane or	parent is carrying the flaxen gene.	
genotypes*:		just Bright/Light	parent is ourrying the haven gene.	
genotypes .		Green		
	Bay (A_ E_)	Yellow bay or Dark	(FF rr Bb Yy A_ E_)	
( <i>FF rr B_</i> Y_)	Day (, (_ L)	or Bright/Light Green	(	
		••• =•••g••• =••g••• ••••••	( <i>FF rr Bb Yy</i> aa E_) Dark	
( <i>FF rr B_</i> Y_ Flfl) if				
carrying a hidden			(EE rr Bh Vu oo oo) Bright	
flaxen gene	Diask	Black with Green tint	(FF rr Bb Yy aa ee) Bright (FF rr Bb Yy aa E_)	
	Black		(FF II BD Yy aa E_)	
		or points or Dark Green		
			(FF rr Bb Yy aa ee)	
Bright/Light Green			n to the yellow. This could give the coat a	
is yellow and blue		Champagne is not doubl		
over chestnut base.	Gold [chestnut]	Golden Green	(FF rr Bb Yy aa ee Ch_)	
Dark Green is	Amber [bay]	Honey Green with	( <i>FF rr Bb Yy</i> A_ E_ Ch_)	
yellow and blue	Oleania Ibleala	brown points		
over the black base.	Classic [black]	Deep Green -gray	( <i>FF rr Bb Yy</i> aa E_ Ch_)	
Bays can express the dark/light aspect		with dark dove gray points		
varably depending	Cràma ganag Cràm	•	h an it doop for roal bargon. For a fantany	
on the genes	Crème genes - Crème dilutes the coats much as it does for real horses. For a fantasy green, the coat could look white- green or "creamy" green.			
involved	Palomino	Soft or "creamy"	( <i>FF rr Bb Yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )	
involvod	[chestnut]	bright green with	(FF II bb Ty aa ee C <sup>a</sup> C <sup>a</sup> )	
	lenesting	pale mane/tail		
	Buckskin [bay]	Soft or "creamy"	(FF rr Bb Yy aa ee C <sup>cr</sup> c <sup>cr</sup> )	
	Duokokan [buy]	darker green with		
		black-brown points		
	Cremello/Perlino	Pale, almost white	(FF rr Bb Yy aa ee C <sup>cr</sup> C <sup>cr</sup> ) or (FF rr Bb Yy	
		green	$A_E_C^{cr}C^{cr}$	
	Dun – Dun creates a	0	at, and leaves primitive markings.	
	Red dun [ch]	White- green with	(FF rr Bv Yy aa ee D_)	
		green points &		
		primitive marks		
	Bay dun [bay]	Dull green with black	( <i>FF rr Bb</i> Yy A_ E_ D_)	
		points & primitive		
		markings		
	Grullo [black]	Dull grayish- green	( <i>FF rr Bb</i> Yy aa E_ D_)	
		with black points &		
		primitive markings		
			d among the hair of their base coat over their	
			ne and tail the base color.	
	Red Roan	White- green with a	( <i>FF rr Bb Yy</i> aa ee R_)	
		green head, legs and		
		m/t		
	Bay Roan	Dark green with	( <i>FF rr Bb Yy</i> A_ E_ R_)	
		black points; head		
		and legs will be		
		darker than the rest		
	I	of the body		

	Dius Deen	Stoolo grov groop	( <i>FF rr Bb Yy</i> aa E_ R_)
	Blue Roan	Steele-gray green with dark gray/black	(FF II BD TY ad E_ K_)
		head, legs and m/t	
Purple	Chestnut (ee)	Bright Purple	(Ff Rr Bb yy ee)
rupie	Flaxen ch. (ee	Bright Purple with	( <i>Ff Rr Bb yy</i> ee FIFI) – assuming Unicorn
Describe	FIFI)	lighter mane or just	parent is carrying the flaxen gene.
Possible	гігі)	<b>o</b> ,	parent is carrying the naxen gene.
genotypes*:	 Bay (A_ E_)	Bright Purple Purple bay or Dark	( <i>Ff Rr Bb yy</i> A_ E_)
	Day (A_ C_)	or Bright Purple	(FI RI DD YY A_ E_)
( <i>FF R_ B_ yy</i> )		or Bright Pulple	
			( <i>Ff Rr Bb yy</i> aa E_) Dark
( <i>FF R_ B_ yy</i> Flfl) if			
carrying a hidden			( <i>Ff Rr Bb yy</i> aa ee) Bright
flaxen gene	Black	Black with Purple tint	( <i>Ff Rr Bb yy</i> aa E_)
		or points or Dark	
		Purple	(Ff Rr Bb yy aa ee)
	Champagne - "Golde	en" or champagne sheer	n to the purple. This could give the coat a
Bright/Light Purple	true "golden purple"	look!	
is red and blue over	Gold [chestnut]	Golden purple	(Ff Rr Bb yy aa ee Ch_)
chestnut base.	Amber [bay]	Honey purple with	(Ff Rr Bb yy A_ E_ Ch_)
Dark Purple is red		brown points	· · · · · · · · · · · · · · · · · · ·
and blue over the	Classic [black]	Deep purpleish-gray	( <i>Ff Rr Bb yy</i> aa E_ Ch_)
black base. Bays		with dark dove gray	· · · · · · · · · · · · · · · · · · ·
can express the		points	
dark/light aspect	Crème genes - Crèn	ne dilutes the coats muc	h as it does for real horses. For a fantasy
varably depending		d look pale purple or "mi	
on the genes	Palomino	Soft or "creamy"	(Ff Rr Bb yy aa ee C <sup>cr</sup> c <sup>cr</sup> )
involved	[chestnut]	bright purple with	
		pale mane/tail	
	Buckskin [bay]	Soft or "creamy" dark	(Ff Rr Bb yy aa ee C <sup>cr</sup> c <sup>cr</sup> )
		purple with black-	
		brown points	
	Cremello/Perlino	Pale, almost white	(Ff Rr Bb yy aa ee C <sup>cr</sup> C <sup>cr</sup> ) or (Ff Rr Bb yy
		purple	A_E_C <sup>cr</sup> C <sup>cr</sup> )
			at, and leaves primitive markings.
	Red dun [ch]	Strawberry purple	( <i>Ff Rr Bb yy</i> aa ee D_)
		with purple points &	
		primitive marks	
	Bay dun [bay]	Dull purple with black	( <i>Ff Rr Bb yy</i> A_ E_ D_)
		points & primitive	
		markings	
	Grullo [black]	Dull grayish- purple	( <i>Ff Rr Bb yy</i> aa E_ D_)
		with black points &	
		primitive markings	
			d among the hair of their base coat over their
			ne and tail the base color.
	Red Roan	Soft purple with a	( <i>Ff Rr Bb yy</i> aa ee R_)
		darker purple head,	
		legs and m/t	
	Bay Roan	Dark purple with	( <i>Ff Rr Bb yy</i> A_ E_ R_)
		black points; head	
		and legs will be	
		darker than the rest	
		of the body	

	Blue Roan	Steele-gray purplish-	( <i>Ff Rr Bb yy</i> aa E_ R_)	
		purple with dark		
		gray/black head, legs and m/t		
Black	Chestnut (ee)	Dark chestnut	(Ff rr bb yy ee)	
Diddix	Flaxen ch. (ee	Dark chestnut with	( <i>Ff rr bb yy</i> ee FIFI) – assuming Unicorn	
Only Possible	FIFI)	pale mane/tail	parent is carrying the flaxen gene.	
genotypes*:	Bay (A_ E_)	Dark bay or Dark	( <i>Ff rr bb yy</i> A_ E_)	
genotypes .	Bay (/(_ L_)	chestnut	(( , , , , , , , , , , , , , , , , , ,	
(FF rr bb yy)			( <i>Ff rr bb yy</i> aa E_) Dark	
(11 11 00 уу)				
( <i>FF rr bb yy</i> Flfl) if			( <i>Ff rr bb yy</i> aa ee) Bright	
carrying a hidden	Black	Black or Dark	(Ff rr bb yy aa E_)	
flaxen gene	Diddik	chestnut	( <i>i i i i i i i i i i</i>	
naxon gono			( <i>Ff rr bb yy</i> aa ee)	
	Champagne - "Golde	 on" or champagne sheer	n to the black. This could give the coat a	
	deep look similar to		To the black. This could give the coat a	
Black is the	Gold [chestnut]	Golden black	( <i>Ff rr bb yy</i> aa ee Ch_)	
absence of all	Amber [bay]	Honey black with	( <i>Ff rr bb yy</i> A_ E_ Ch_)	
Fantasy pigment	/	black points		
colors. This can	Classic [black]	Deep dove gray with	( <i>Ff rr bb yy</i> aa E_ Ch_)	
mean one of two		dark black points	( ))/	
things. The Unicorn	Crème genes - Crème dilutes the coats much as it does for real horses. For a fantasy			
can be black or it		d look pale purple or "m		
can be seen to	Palomino	Soft or "creamy"	( <i>Ff rr bb yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )	
have "no fantasy	[chestnut]	black with paler		
gene color". In		mane/tail		
other words, it has	Buckskin [bay]	Soft or "creamy"	( <i>Ff rr bb yy</i> aa ee C <sup>cr</sup> c <sup>cr</sup> )	
none of the genes for blue, yellow or		black with sharp		
red, just as a real-	One we all a /D a alia a	black points		
life horse does, and	Cremello/Perlino	Pale, almost dove	( <i>Ff rr bb yy</i> aa ee C <sup>cr</sup> C <sup>cr</sup> ) or ( <i>Ff rr bb yy</i> A_ E C <sup>cr</sup> C <sup>cr</sup> )	
therefore could	Dun Dun creates a	gray	at, and leaves primitive markings.	
have a more	Red dun [ch]	Black-red with red	( <i>Ff rr bb yy</i> aa ee D_)	
realistic color. The		points & primitive		
boxes to the left		marks		
assume the former,	Bay dun [bay]		( <i>Ff rr bb yy</i> A_ E_ D_)	
and black is the	[]	black points &		
fantasy base for all		primitive markings		
the colors described here. If you follow	Grullo [black]	Dull grayish-black	(Ff rr bb yy aa E_ D_)	
the latter, use		with black points &		
standard coloring		primitive markings		
rules.			d among the hair of their base coat over their	
			ne and tail the base color.	
	Red Roan	Soft reddish black	( <i>Ff rr bb yy</i> aa ee R_)	
		with a black head,		
	Dev Dr. 1	legs and m/t		
	Bay Roan	Dark bay with black	(Ff rr bb yy A_ E_ R_)	
		points; head and		
		legs will be darker than the rest of the		
		body		
L	1	July		

	Blue Roan	Steele-gray bluish- black with black	( <i>Ff rr bb yy</i> aa E_ R_)
		head, legs and m/t	
White	Chestnut (ee)	White or red, blue or yellow chestnut	( <i>Ff Rr Bb Yy</i> ee) White
Only Possible genotypes*:			( <i>Ff Rr bb yy</i> ee) Red
(FF R_ B_ Y_)			( <i>Ff rr Bb yy</i> ee) Blue
			( <i>Ff rr bb Yy</i> ee) Yellow
( <i>FF R_ B_</i> Y_ Flfl) if	Flaxen ch. (ee	White, or red, blue or	( <i>Ff Rr Bb Yy</i> ee FIFI) White
carrying a hidden flaxen gene	FIFI)	yellow chestnut with	
liaxen gene		pale m/t	( <i>Ff Rr bb yy</i> ee FIFI) Red
			( <i>Ff rr Bb yy</i> ee FIFI) Blue
White is the presence of all			(Ff rr bb Yy ee FIFI) Yellow
Fantasy pigment	Bay (A_ E_)	White or red, blue or yellow bay	( <i>Ff Rr Bb Yy</i> A_ E_) White
colors. The Unicorn is white and can			( <i>Ff Rr bb yy</i> A_ E_) Red
give any color to its offspring; it is purest luck what will come			( <i>Ff rr Bb yy</i> A_ E_) Blue
up.			( <i>Ff rr bb Yy</i> A_ E_) Yellow
	Black	White, black, or red, blue or yellow	( <i>Ff rr bb yy</i> E_) Black
		chestnut	( <i>Ff Rr Bb Yy</i> E_) White
			( <i>Ff Rr bb yy</i> ee) Red
			( <i>Ff rr Bb yy</i> ee) Blue
			(Ff rr bb Yy ee) Yellow
	Champagne - "Golde	en" or champagne sheer	n to the white. This could create a shimmer
	of natural gold on the		
	Gold [chestnut]	White, red, blue or yellow gold	( <i>Ff Rr Bb Yy</i> ee Ch_) White
			( <i>Ff Rr bb yy</i> ee Ch_) Red
			( <i>Ff rr Bb yy</i> ee Ch_) Blue
			( <i>Ff rr bb Yy</i> ee Ch_) Yellow
	Amber [bay]	White with gold points or honey red,	( <i>Ff Rr Bb Yy</i> A_ E_ Ch_) White
		blue or yellow gold with black points	( <i>Ff Rr bb yy</i> A_ E_ Ch_) Red
			( <i>Ff rr Bb yy</i> A_ E_ Ch_) Blue
			( <i>Ff rr bb Yy</i> A_ E_ Ch_) Yellow
	Classic [black]	White dove	( <i>Ff Rr Bb Yy</i> E_ Ch_) White
		gray/golden points or	

I			
	deep red, blue or	( <i>Ff Rr bb yy</i> E_ Ch_) Red	
	yellow with dark gray points	( <i>Ff rr Bb yy</i> E_ Ch_) Blue	
		( <i>Ff rr bb Yy</i> E_ Ch_) Yellow	
Crème genes - Crème dilutes the coats much as it does for real horses. For a fantasy			
purple, the coat could look pale purple or "milky" purple.			
Palomino	Soft or "creamy"	( <i>Ff Rr Bb Yy</i> ee C <sup>cr</sup> c <sup>c</sup> ) White	
[chestnut]	White, red, blue or yellow with pale mane/tail	( <i>Ff Rr bb yy</i> ee C <sup>cr</sup> c <sup>c</sup> ) Red	
		( <i>Ff rr Bb yy</i> ee C <sup>cr</sup> c <sup>c</sup> ) Blue	
		( <i>Ff rr bb</i> Yy ee C <sup>cr</sup> c <sup>c</sup> ) Yellow	
Buckskin [bay]	Soft or "creamy" white with gold	( <i>Ff Rr Bb</i> Yy A_E_C <sup>cr</sup> c <sup>c</sup> ) White	
	points or soft or "creamy" red, blue or	( <i>Ff Rr bb yy</i> A_ E_ C <sup>cr</sup> c <sup>c</sup> ) Red	
	yellow with sharp black points	( <i>Ff rr Bb yy</i> A_ E_ C <sup>cr</sup> c <sup>c</sup> ) Blue	
		( <i>Ff rr bb Yy</i> A_ E_ C <sup>cr</sup> c <sup>c</sup> ) Yellow	
Cremello/Perlino	Soft or "creamy"	As above but with the "real" genetics of:	
	white with gold points or soft or "creamy" red-white, blue-white or yellow - white	(aa ee C <sup>cr</sup> C <sup>cr</sup> ) or (A_ E_ C <sup>cr</sup> C <sup>cr</sup> )	
Dun Dun creates a		at, and leaves primitive markings.	
Red dun [ch]	White with light	( <i>Ff Rr Bb Yy</i> ee D_) White	
	gold/silver/bronze		
	points, dull pink with red points, dull blue	( <i>Ff Rr bb yy</i> ee D_) Red	
	with blue points or dull yellow with	( <i>Ff rr Bb yy</i> ee D_) Blue	
	yellow points & all with primitive markings	( <i>Ff rr bb Yy</i> ee D_) Yellow	
Bay dun [bay]	White with light gold/silver/bronze	( <i>Ff Rr Bb Yy</i> A_ E_ D_) White	
	points, dull red with black points, dull	( <i>Ff Rr bb yy</i> A_ E_ D_) Red	
	blue with black points or dull yellow	( <i>Ff rr Bb yy</i> A_ E_ D_) Blue	
	with black points & all with primitive markings	( <i>Ff rr bb Yy</i> A_ E_ D_) Yellow	
Grullo [black]	White with light gold/silver/bronze	( <i>Ff Rr Bb Yy</i> E_ D_) White	
	points, dark red with black points, dark	( <i>Ff Rr bb yy</i> E_ D_) Red	
	blue with black points or dark yellow	( <i>Ff rr Bb yy</i> E_ D_) Blue	
	with black points &	( <i>Ff rr bb Yy</i> E_ D_) Yellow	

	all with primitive	
	markings	
Roans – True roans	have white hair sprinkle	d among the hair of their base coat over their
body and neck, leavi	ng their head, legs, mar	ne and tail the base color.
Red Roan	White; soft reddish	( <i>Ff Rr Bb Yy</i> ee R_) White
	pink with a red head,	
	legs and m/t; baby	( <i>Ff Rr bb yy</i> ee R_) Red
	blue with a blue	
	head, legs, and m/t;	(Ef rr Dhuu co D) Dhuo
	or light yellow with a	( <i>Ff rr Bb yy</i> ee R_) Blue
	yellow head, legs,	· ····
	and m/t	( <i>Ff rr bb Yy</i> ee R_) Yellow
Bay Roan	White; soft red bay	(Ff Rr Bb Yy A_ E_ R_) White
2	with black/red points	
	and a darker head,	( <i>Ff Rr bb yy</i> A_ E_ R_) Red
	legs and m/t; blue	
	bay with black/blue	
	points and a darker	( <i>Ff rr Bb yy</i> A_ E_ R_) Blue
	head, legs and m/t;	
	or yellow bay with	( <i>Ff rr bb Yy</i> A_ E_ R_) Yellow
	black/yellow points	
	and a darker head,	
	legs and m/t	
Blue Roan	White; steel-red with	( <i>Ff Rr Bb Yy</i> E_ R_) White
Bide Roan	a darker head, legs	
	and m/t; steel-blue	(Ef Dr bb w E D ) Dod
	with a darker head,	( <i>Ff Rr bb yy</i> E_ R_) Red
	legs and m/t; or	
	steel-yellow with a	( <i>Ff rr Bb yy</i> E_ R_) Blue
	darker head, legs	
	and m/t	( <i>Ff rr bb</i> Yy E_ R_) Yellow

The entire above possible foal colors assume that the foal gets the appropriate genes from the parent. For example, a Blue Unicorn crossing with a red roan could be a blue chestnut or a baby blue roan, depending on what genes the "normal" parent is carrying. Beyond the base color that they were offering, the Unicorn's genetics were not considered when I listed the possible color, nor were the other possibilities (such as not being a roan in the above example) explored. That is up to the individual pedigree-creator.

\*Fantasy genes are shown in italics. Real genes have no formatting.

Symbols for real genetics:

E(e)=black or red base coat

- A(a)=bay (agouti) gene
- Fl(fl)=flaxen gene in the chestnuts: double expressed recessive (have to have both genes to show the flaxen color)

- Ch(ch)=Champagne a color layer that can affect any coat. Golden champagnes are chestnuts with the champagne gene, and are similar to palominos, Amber champagnes are bays with the champagne gene, and are similar to buckskins, and Classic champagnes are blacks with the champagne gene, and are similar to grullo.
- C<sup>cr</sup>(C<sup>cr</sup>)=Cremes a color layer that lightens chestnuts to palominos and bays to buckskins.
- D(d)=Dun a color layer that "dulls" the base coat, giving it a dusty look with dark points and primitive markings (zebra stripes on legs and dorsal stripe). Red duns are chestnuts with this, bay duns are bays with this layer, and grullo are blacks with this gene.
- R(r)= Roans True roans have white hair sprinkled among the hair of their base coat over their body and neck, leaving their head, legs, mane and tail the base color.
  Rabicanos are often confused with true roan, but their white "sprinkles" only occur around their flank with no lightening of the neck/body. They also have a "skunk tail", where white hair is streaked through their tail, giving it the skunk look.
  Appaloosas have a roaning all of their own that can be confused with true roan, but their "sprinkles" occur all over their body.

## Symbols for fantasy genetics:

- F(f)=fantasy gene: Unicorns always have FF, and fantasy horses have Ff. Normal horses are ff.
- R(r)=red fantasy gene. No relation to the chestnut (red) gene.
- B(b)=blue fantasy gene.
- Y(y)=yellow fantasy gene.