

FOAL : Year Due: 2010 Breed: AQHA

SIRE : Foothills Beau Dunit #: 4017541 Breed: AQHA
 Color (Phenotype): Buckskin Dun
 Genes (Genotype): E/E A/a Cr/cr D/d Known Linkages
 Details: Bay-based (homozygous Black extension) (carrying Black agouti)

DAM : Vanzis Gold Slippers #: 4733947 Breed: AQHA
 Color (Phenotype): Gold Champagne
 Genes (Genotype): e/e At/a Ch/ch Known Linkages
 Details: Sorrel/Chestnut-based (only Red extension) (carrying Brown/Black agouti)

Gene Name	% Chance	Genes	Foal's Phenotype Combinations Possible and Details
Extension	100	E/e	Black-pointed (carrying Red) (E from Sire)
Agouti	25	A/At	Bay-based (carrying Brown)
	25	A/a	Bay-based (carrying Black)
	25	At/a	Brown-based (carrying Black)
	25	a/a	Black-based
Cream/Pearl	50	Cr/cr	Cream
	50	cr/cr	(No Cream/No Pearl)
Dun	50	D/d	Dun
	50	d/d	(No Dun)
Champagne	50	Ch/ch	Champagne
	50	ch/ch	(No Champagne)

% Chance	Foal's Phenotype Color Combinations Possible
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6.2500	Amber Cream Dun Champagne
6.2500	Buckskin Dun
6.2500	Amber Cream Champagne
6.2500	Buckskin
6.2500	Amber Dun Champagne
6.2500	Bay Dun
6.2500	Amber Champagne
6.2500	Bay
3.1250	Sable Cream Dun Champagne
3.1250	Smoky Brown Dun
3.1250	Sable Cream Champagne
3.1250	Smoky Brown
3.1250	Sable Dun Champagne
3.1250	Brown Dun
3.1250	Sable Champagne
3.1250	Brown
3.1250	Classic Cream Grulla Champagne
3.1250	Smoky Grulla
3.1250	Classic Cream Champagne
3.1250	Smoky Black
3.1250	Classic Grulla Champagne
3.1250	Grulla
3.1250	Classic Champagne
3.1250	Black

100.0000 with 24 potential Foal Phenotype Color Combinations Possible

% Chance	Foal's Genotypes	Color Combinations Possible and Details	Base Coat and Details
3.1250	E/e A/At Cr/cr D/d Ch/ch	Amber Cream Dun Champagne	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a Cr/cr D/d Ch/ch	Amber Cream Dun Champagne	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e A/At Cr/cr D/d	Buckskin Dun	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a Cr/cr D/d	Buckskin Dun	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e A/At Cr/cr Ch/ch	Amber Cream Champagne	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a Cr/cr Ch/ch	Amber Cream Champagne	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e A/At Cr/cr	Buckskin	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a Cr/cr	Buckskin	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e A/At D/d Ch/ch	Amber Dun Champagne	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a D/d Ch/ch	Amber Dun Champagne	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e A/At D/d	Bay Dun	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a D/d	Bay Dun	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e A/At Ch/ch	Amber Champagne	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a Ch/ch	Amber Champagne	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e A/At	Bay	Bay-based (carrying Red extension) (carrying Brown agouti) (E from Sire)
3.1250	E/e A/a	Bay	Bay-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a Cr/cr D/d Ch/ch	Sable Cream Dun Champagne	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a Cr/cr D/d	Smoky Brown Dun	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a Cr/cr Ch/ch	Sable Cream Champagne	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a Cr/cr	Smoky Brown	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a D/d Ch/ch	Sable Dun Champagne	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a D/d	Brown Dun	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a Ch/ch	Sable Champagne	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e At/a	Brown	Brown-based (carrying Red extension) (carrying Black agouti) (E from Sire)
3.1250	E/e a/a Cr/cr D/d Ch/ch	Classic Cream Grulla Champagne	Black-based (carrying Red extension) (only Black agouti) (E from Sire)

FOAL : Year Due: 2010 Sire: Foothills Beau Dunit Dam: Vanzis Gold Slippers

% Chance	Foal's Genotypes	Color Combinations Possible and Details	Base Coat and Details
3.1250	E/e a/a Cr/cr D/d	Smoky Grulla	Black-based (carrying Red extension) (only Black agouti) (E from Sire)
3.1250	E/e a/a Cr/cr Ch/ch	Classic Cream Champagne	Black-based (carrying Red extension) (only Black agouti) (E from Sire)
3.1250	E/e a/a Cr/cr	Smoky Black	Black-based (carrying Red extension) (only Black agouti) (E from Sire)
3.1250	E/e a/a D/d Ch/ch	Classic Grulla Champagne	Black-based (carrying Red extension) (only Black agouti) (E from Sire)
3.1250	E/e a/a D/d	Grulla	Black-based (carrying Red extension) (only Black agouti) (E from Sire)
3.1250	E/e a/a Ch/ch	Classic Champagne	Black-based (carrying Red extension) (only Black agouti) (E from Sire)
3.1250	E/e a/a	Black	Black-based (carrying Red extension) (only Black agouti) (E from Sire)

100.0000 with 32 potential Foal Genotype Color Combinations Possible