

Shown below are the possible offspring coat colors and the probability of each assuming unknown genetic information of the dam when bred to REDACTED.

Mare Color	Bred to REDACTED	
	homozygous black & homozygous dun	
Chestnut/Sorrel	50 %	Dun
	50 %	Gulla
Bay	75 %	Dun
	25 %	Gulla
Black	100 %	Gulla
Palomino	25 %	Dun
	25 %	Dunskin
	25 %	Gulla
	25 %	Smoky Gulla
Buckskin	37.5 %	Dun
	37.5 %	Dunskin
	12.5 %	Gulla
	12.5 %	Smoky Gulla
Red Dun	50 %	Dun
	50 %	Gulla
Dun	75 %	Dun
	25 %	Gulla
Gulla	100 %	Gulla
Dunalino	25 %	Dun
	25 %	Dunskin
	25 %	Gulla
	25 %	Smoky Gulla
Dunskin	37.5 %	Dun
	37.5 %	Dunskin
	12.5 %	Gulla
	12.5 %	Smoky Gulla
Cremello	50 %	Dunskin
	50 %	Smoky Gulla
Perlino	75 %	Dunskin
	25 %	Smoky Gulla

If your mare is color tested, you can get a more accurate calculation at:
<https://animalgenetics.com/horse-coat-color-calculator/>