	1 BBEE	2 BBEe	3 BbEE	4 BbEe	5 BBee	6 Bbee	7 bbee	8 bbEE	9 bbEe
1 BBEE	BBEE100		BBEE50 BbEE50	BBEE25 BBEE25 BbEE25 BbEe25	BBEe100			BbEE100	BbEE50 BbEe50
2 BBEe	BBEE50 BBEe50	BBEE25 BBEe50 <mark>BBee25</mark>	BBEE25 BBEe25 BbEE25 BbEe25	BBEE12.5 BBEe 25 BBee 12.5 BbEE12.5 BbEe 25 Bbee 12.5	BBEe50 <mark>BBee50</mark>	BBEe25 BBee25 BbEe25 Bbee25	BbEe50 Bbee50	BbEE50 BbEe50	BbEE25 BbEe50 Bbee25
3 BbEE	BBEE50 BbEE50	BBEE25 BBEe25 BbEE25 BbEe25	BBEE25 BbEE50 bbEE25	BBEE12.5 BbEE25 BBEe12.5 BbEe25 bbEE12.5 bbEE12.5	BBEe50 BbEe50	BBEe25 BbEe50 bbEe25	BbEe50 bbEe50	BbEE50 bbEE50	BbEE25 BbEe25 bbEE25 bbEe25
4 BbEe	BBEE25 BBEe25 BbEE25 BbEe25	BBEE12.5 BBEe 25 BBee 12.5 BbEE12.5 BbEe 25 Bbee 12.5		BBEe12.5	<mark>BBee25</mark> BbEe25	BBEe12.5 BBee25 BbEe25 Bbee25 bbEe12.5 bbee12.5	BbEe25 Bbee25 bbEe25 bbee25	BbEE25 BbEe25 bbEE25 bbEe25	BbEE12.5 BbEe25 Bbee12.5 bbEE12.5 bbEe25 bbee12.5
5 BBee	BBEe100	BBEe50 <mark>BBee50</mark>	BBEe50 BbEe50	BBEe25 BBee25 BbEe25 Bbee25	BBee100	BBee50 Bbee50	Bbee100	BbEe100	BbEe50 <mark>Bbee50</mark>
6 Bbee	BBEe50 BbEe50	BBEe25 BBee25 BbEe25 Bbee25	BBEe25 BbEe50 bbEe25	BBEe12.5 BBee25 BbEe25 Bbee25 bbEe12.5 bbee12.5		BBee25 Bbee50 bbee25	Bbee50 bbee50	BbEe50 bbEe50	BbEe25 Bbee25 bbEe25 bbee25
7 bbee	BbEe100	BbEe50 <mark>Bbee50</mark>	BbEe50 bbEe50	BbEe25 Bbee25 bbEe25 bbee25	Bbee100	Bbee50 bbee50	bbee100	bbEe100	bbEe50 bbee50
8 bbEE	BbEE100	BbEE50 BbEe50	BbEE50 bbEE50	BbEE25 BbEe25 bbEE25 bbEe25	BbEe100	BbEe50 bbEe50	bbEe100	bbEE100	bbEE50 bbEe50
9 bbEe	BbEE50 BbEe50	BbEE25 BbEe50 <mark>Bbee25</mark>	BbEE25 BbEe25 bbEE25 bbEe25	BbEE12.5 BbEe25 Bbee12.5 bbEE12.5 bbEe25 bbee12.5	BbEe50 <mark>Bbee50</mark>	BbEe25 Bbee25 bbEe25 bbee25	bbEe50 bbee50	bbEE50 bbEe50	bbEE25 bbEe50 bbee25
black yellow chocolate	Phenotype		Genotype BBEE BBEe BbEE BBEe BBee bbEE bbEE	Coat Color pure for black black carrying yellow black carrying chocolate black carrying chocolate and yellow pure for yellow yellow carrying black and chocolate pure for chocolate chocolate carrying yellow			Nose Color Black Black Black Black Black Black Black Brown/Liver		

## Coat Color Inheritance Chart (b & e)

Once your dog has been tested and you know its genotype, use this table for breeding strategies and breeding stock selection.

chocolate carrying yellow

yellow carrying chocolate

For example, if your results show that your dog is a BbEe (Type IV) and you were to mate your dog with a bbEe (Type IX), the resulting litter would, on the average, have 37.5% black puppies (BbEE and BbEe), 25% yellow puppies (Bbee and bbee), and 37.5% chocolate puppies.

These probabilities represent expectations averaged over the long run and are subject to the law of probabilities.

bbEe

bbee

Note that yellow dogs can have either black or brown/liver noses depending on the contribution of B or b from the parents. Any dog that inherits at least one B from either parent will have a black nose.

Brown/Liver

Brown/Liver