

WHAT CAN I BREED TO...?

PURPOSE OF THIS CHART: Is to help those who are learning about genetics learn what colors are “safe” to breed to each other without being technical. This chart assumes the breeder wants “color” (i.e. non-tort non-black) babies and assumes type is compatible. These combinations are not “written in stone” but merely to give a basic understanding of what colors should and should not be breed with each other to maintain genetic and phenotypic purity. This is the added challenge of colors: breeding well for type is first and foremost as always, but there are additional things to keep in mind so not only does one have to deal with type, but genetics as well.

HOW THIS CHART WORKS: Look on the far-left column, find the color of the buck (or doe) that you would like to breed. The next column has the best case scenarios of colors to breed to that rabbit. In parentheses after the color, in black are the known color outcomes, maroon are some of the possible outcomes that are more common (i.e. more are possible) but depend on what your rabbits might carry. The next column has colors that you could breed, but might not be the best – the “Possible Problems” explain why. The “notes” column explains a bit about breeding that particular color. For the lilac varieties, I left out possible colors because you just have to look at the two previous rows to find the possibilities. Of course, there are many combinations not listed and some breeders might opt to stray from this chart for specific purposes, such as working on a new(er) color.

COLOR (blue = not showable)	GOOD TO BREED	FINE BUT NOT OPTIMAL	POSSIBLE PROBLEMS	NOTES
Black	Chestnut (Chestnut, black, opal, blue) Opal (Chestnut, black, blue, opal) Black (black, blue), blue (black, blue) chocolate (black, blue, chocolate, lilac), lilac (black, blue, chocolate, lilac), any tort (black, blue, tort, blue tort), any otter (black, black otter, blue, blue otter), any marten (black, black otter, blue, blue otter, marten, blue marten)	Sable Point (black, sable point, siamese sable) Siamese Sable (black, sable point, siamese sable) Smoke Pearl (black, sable point, siamese sable, smoke pearl)	None really, just don't see the point unless you know the black carries something so you can get the sable points and siamese sables.	
Blue	Chestnut (Chestnut, black, opal, blue) Opal (Opal, blue) Black (black, blue), blue (blue) chocolate (black, blue, chocolate, lilac), lilac (blue, lilac), any tort (blue, blue tort), any otter (black, black otter, blue, blue otter), any marten (black, black otter, blue, blue otter, marten,	Sable Point (black, sable point, siamese sable) Siamese Sable (black, sable point, siamese sable) Smoke Pearl (blue, sable point, siamese sable, smoke pearl)	Watch with the sable points that you don't get blue points, which aren't showable	

	blue marten)			
Chocolate	Chestnut (Chestnut, black, opal, blue) Opal (Chestnut, black, opal, blue, chocolate chestnut, chocolate) Chocolate Chestnut (Chocolate chestnut, chocolate) Black (black, blue), blue (black, blue, chocolate, lilac, and torts of these) chocolate (black, blue, chocolate, lilac, torts of these), lilac (blue, lilac, torts of these), any tort (black, blue, blue tort, tort, chocolate, chocolate tort), any otter (black, black otter, blue, blue otter, chocolate otter, chocolate)	Lynx, any marten	Lynx are better bred to agoutis, because they are so hard to find staying away from the self gene is best.	Wouldn't breed to any sable point, siamese sable, or smoke pearl because no chocolate versions of them are recognized.
Lilac	Black, Blue, Chocolate, Lilac, Chestnut, Opal, Chocolate Chestnut, any color tort, any color otter	Lynx, any marten	Lynx are better bred to agoutis, because they are so hard to find staying away from the self gene is best, HOWEVER with a lilac it would be worth it IMO because even if the lynx carries self, ½ the litter will be lynx and the other ½ lilac!	
Tort (Black Tort)	Black (Black, blue, tort, blue tort), Blue (black, blue, tort, blue tort), Chocolate (black, tort), Lilac (black, tort, blue tort, chocolate, chocolate tort, blue, lilac, lilac tort), Tort (tort, blue tort), Blue Tort (tort, blue tort), Chocolate Tort (tort, blue tort, chocolate tort, lilac tort), Lilac Tort (tort, blue tort, chocolate tort, lilac tort), Chestnut (Chestnut, black, tort), Opal (chestnut, opal, black, blue, tort, blue tort)	Sable Point, Siamese Sable, Smoke Pearl	I don't see the point unless you know the tort carries something so you can get the sable points and siamese sables.	Please don't breed any tort to otters, because that puts the genes into the lines to give you tort otters, which aren't showable and not really wanted as it messes up the color.
Blue Tort	Black (Black, blue, tort, blue tort),	Sable Point, Siamese Sable,	None really, just don't see the	

	Blue (blue, blue tort), Chocolate (black, tort), Lilac (blue, blue tort , chocolate , chocolate tort , lilac , lilac tort), Tort (tort, blue tort), Blue Tort (blue tort), Chocolate Tort (tort, blue tort , chocolate tort , lilac tort), Lilac Tort (blue tort, chocolate tort , lilac tort), Chestnut (Chestnut, black , tort), Opal (opal, blue tort)	Smoke Pearl	point unless you know the blue tort carries something so you can get the sable points and siamese sables.	
Chocolate Tort	Black (Black, blue , tort , blue tort), Blue (black, blue , tort , blue tort), Chocolate (chocolate, chocolate tort), Lilac (chocolate, blue tort , chocolate , chocolate tort , blue , lilac , lilac tort), Tort (tort, blue tort , chocolate tort), Blue Tort (tort, blue tort , chocolate tort , lilac tort), Chocolate Tort (chocolate tort, lilac tort), Lilac Tort (chocolate tort, lilac tort), Chestnut (Chestnut, black , tort), Opal (chestnut, opal , black , blue , tort , blue tort)			Wouldn't breed to any sable point, siamese sable, or smoke pearl because no chocolate versions of them are recognized.
Lilac Tort	Black, Blue, Chocolate, Lilac, Tort, Blue Tort, Chocolate Tort, Lilac Tort, Chestnut, Opal			
Chestnut (Agouti)	Black (Chestnut, Black , blue , tort , blue tort), Blue (Chestnut, black , blue , tort , blue tort), Chocolate (Chestnut, black , tort), Lilac (Chestnut, black , tort , blue tort , chocolate , chocolate tort , blue , lilac , lilac tort), Tort (Chestnut, tort , blue tort), Blue Tort (Chestnut, tort , blue tort), Chocolate Tort (Chestnut, tort , blue tort , chocolate tort , lilac tort), Lilac Tort (Chestnut, tort , blue tort ,	Tri-Colors	Issue with tri's is that unless the chestnut carries a certain gene, you won't get tri's in the litter. However, at least the chestnut has the agouti gene which is needed for correctly colored tri's.	

	chocolate tort, lilac tort), Chestnut (Chestnut, black, tort), Opal (chestnut, opal, black, blue, tort, blue tort)			
Opal (Dilute/Blue Agouti)	Black (Chestnut, blue, opal tort, blue tort), Blue (Opal, blue, blue tort), Chocolate (Chestnut, black, tort), Lilac (Opal, blue, blue tort, chocolate, chocolate tort, lilac, lilac tort), Tort (chestnut, tort, blue tort), Blue Tort (opal, blue tort), Chocolate Tort (chestnut, tort, blue tort, chocolate tort, lilac tort), Lilac Tort (opal, blue tort, chocolate tort, lilac tort), Chestnut (Chestnut, black, tort), Opal (opal, blue tort)	Tri-colors	Issue with tri's is that unless the chestnut carries a certain gene, you won't get tri's in the litter. However, at least the chestnut has the agouti gene which is needed for correctly colored tri's.	
Chocolate Agouti (Chocolate Chestnut)	Chestnut (Chestnut, black, opal, blue) Opal (Chestnut, black, opal, blue, chocolate chestnut, chocolate) Chocolate Agouti (Chocolate Agouti, chocolate, chocolate tort) Black (Chestnut, black, blue), blue (Chestnut, black, blue, chocolate, lilac, and torts of these) chocolate (chocolate agouti, black, blue, chocolate, lilac, torts of these), lilac (chestnut, chocolate agouti, blue, lilac, torts of these), any tort (chestnut, black, blue, blue tort, tort, chocolate, chocolate tort)	Tri-Colors	Issue with tri's is that unless the chestnut carries a certain gene, you won't get tri's in the litter. However, at least the chestnut has the agouti gene which is needed for correctly colored tri's.	

Lynx (lilac agouti)	Chestnut (Chestnut, Opal, Chocolate Chestnut, Lynx), Opal (Opal, Lynx), Chocolate Agouti (Chocolate Agouti, Lynx), Lynx (Lynx)	Black (Chestnut, black, blue, opal), blue (opal, blue), chocolate (chocolate agouti, opal, lynx, blue), lilac (lynx, lilac)	Watch that you don't get the self gene in there too much and start loosing the lynx	Lynx should NOT be breed to torts, it is best to keep them with other agoutis, using selfs isn't too bad but it's not optimal.
Chinchilla	Chinchilla (Chinchilla, squirrel), Squirrel (Chinchilla, squirrel), Chocolate Chinchilla (chinchilla, squirrel, chocolate chin), Frosty (Chinchilla, Frosty, squirrel), REW (chinchilla)			It is best to keep chins with chins or REW
Squirrel (blue chinchilla)	Chinchilla (Chinchilla, squirrel), Squirrel (squirrel), Chocolate Chinchilla (chinchilla, squirrel, chocolate chin), Frosty (Chinchilla, Frosty, squirrel), REW (chinchilla, squirrel)			It is best to keep chins with chins or REW
Chocolate Chinchilla	Chinchilla (Chinchilla, squirrel, chocolate chin), Squirrel (Chinchilla, squirrel, chocolate chin, lilac chin), Chocolate Chinchilla (chocolate chin, lilac chin), Frosty (Chinchilla, Frosty, squirrel), REW (chinchilla)			It is best to keep chins with chins or REW

<p>Lilac Chinchilla</p>	<p>Chinchilla, Squirrel, Chocolate Chinchilla, Frosty , REW</p>			<p>It is best to keep chins with chins or REW</p>
<p>Sable Chinchilla</p>		<p>Sable point (sable chin, siamese sable, sable point), siamese sable (sable chin, siamese sable, sable point), smoke pearl (sable chin, siamese sable, sable point, smoke pearl)</p>		<p>Sable chins are a hard one to use, they don't really fit and you always risk getting lots of sable chins in the litter.</p>
<p>Iron Gray (an iron gray is a chin based sable point)</p>	<p>Chinchilla (Chinchilla, frosty), Squirrel (Chinchilla, squirrel, frosty), Chocolate Chinchilla (chinchilla, frosty), Frosty (Frosty, squirrel), REW (lots of possibilities)</p>			<p>Iron gray is very pretty but you can get the self into the chin lines by using it, which could cause problems down the road if you aren't careful and don't want to be stuck with a lot of unshowable Iron Gray rabbits!</p>
<p>Black/Orange Tri-Color **Tri is the broken version of harlequin, so any time I only mention one, you can also substitute the other for a possible breeding color** ***"black tri" is just the shortened version (same format for other varieties)**</p>	<p>Black tri (black tri, blue tri, orange, cream), Blue tri (black tri, blue tri, orange, cream), Chocolate Tri (black tri, orange), Lilac Tri (black tri, orange, cream, blue tri), Orange (black tri, orange, fawn, cream), Fawn (black tri, orange, fawn, cream), Cream (black tri, orange, fawn, cream, blue tri)</p>	<p>Torts</p>	<p>Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing "self" or "torted" tri's that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don't even see spots!)</p>	

<p>Blue/Fawn Tri-Color</p> <p>**Tri is the broken version of harlequin, so any time I only mention one, you can also substitute the other for a possible breeding color**</p>	<p>Black tri (black tri, blue tri, orange, cream), Blue tri (blue tri, orange, cream), Chocolate Tri (black tri, orange, blue tri, lilac tri), Lilac Tri (blue tri, cream, lilac tri), Orange (black tri, orange, fawn, cream, blue tri), Fawn (black tri, orange, fawn, cream, blue tri), Cream (blue tri, orange, fawn, cream)</p>	<p>Torts</p>	<p>Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing “self” or “torted” tri’s that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don’t even see spots!)</p>	
<p>Chocolate/Orange Tri-Color</p> <p>**Tri is the broken version of harlequin, so any time I only mention one, you can also substitute the other for a possible breeding color**</p>	<p>Black tri (black tri, blue tri, orange, cream), Blue tri (black tri, blue tri, orange, cream), Chocolate Tri (chocolate tri, chocolate factored orange, lilac tri), Lilac Tri (chocolate tri, chocolate factored orange or cream, lilac tri), Orange (black tri, orange, fawn, cream), Fawn (black tri, orange, fawn, cream), Cream (black tri, orange, fawn, cream, chocolate tri, blue tri, lilac tri)</p>	<p>Torts</p>	<p>Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing “self” or “torted” tri’s that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don’t even see spots!)</p>	
<p>Lilac/Fawn Tri-Color</p> <p>**Tri is the broken version of harlequin, so any time I only mention one, you can also substitute the other for a possible breeding color**</p>	<p>Black tri, blue tri, chocolate tri, lilac tri, orange, fawn, cream</p>	<p>Torts</p>	<p>Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing “self” or “torted” tri’s that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don’t even see spots!)</p>	

<p>Black/Orange Harlequin</p>	<p>Black tri (black tri, blue tri, orange, cream), Blue tri (black tri, blue tri, orange, cream), Chocolate Tri (black tri, orange), Lilac Tri (black tri, orange, cream, blue tri), Orange (black tri, orange, fawn, cream), Fawn (black tri, orange, fawn, cream), Cream (black tri, orange, fawn, cream, blue tri)</p>	<p>Torts</p>	<p>Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing “self” or “torted” tri’s that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don’t even see spots!)</p>	
<p>Blue/Fawn Harlequin</p>	<p>Black tri (black tri, blue tri, orange, cream), Blue tri (blue tri, orange, cream), Chocolate Tri (black tri, orange, blue tri, lilac tri), Lilac Tri (blue tri, cream, lilac tri), Orange (black tri, orange, fawn, cream, blue tri), Fawn (black tri, orange, fawn, cream, blue tri), Cream (blue tri, orange, fawn, cream)</p>	<p>Torts</p>	<p>Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing “self” or “torted” tri’s that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don’t even see spots!)</p>	
<p>Chocolate/Orange Harlequin</p>	<p>Black tri (black tri, blue tri, orange, cream), Blue tri (black tri, blue tri, orange, cream), Chocolate Tri (chocolate tri, chocolate factored orange, lilac tri), Lilac Tri (chocolate tri, chocolate factored orange or cream, lilac tri), Orange (black tri, orange, fawn, cream), Fawn (black tri, orange, fawn, cream), Cream (black tri, orange, fawn, cream, chocolate tri, blue tri, lilac tri)</p>	<p>Torts</p>	<p>Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing “self” or “torted” tri’s that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don’t even see spots!)</p>	

Lilac/Fawn Harlequin	Black tri, blue tri, chocolate tri, lilac tri, orange, fawn, cream	Torts	Be careful with using torts! Lots of times they will help with the type, but it will ruin the coloring by causing “self” or “torted” tri’s that are not showable. Only use them with good reason please and cull the selfs! (you will know if you see one – they look like a bkn tort with darker spots usually, sometimes you don’t even see spots!)	
Black/White Magpie				Please cull magpies, they just mess up the tri color and are not really useful and any breeding program and they aren’t showable on top of that!

Blue/White Magpie				Please cull magpies, they just mess up the tri color and are not really useful and any breeding program and they aren't showable on top of that!
Chocolate/White Magpie				Please cull magpies, they just mess up the tri color and are not really useful and any breeding program and they aren't showable on top of that!
Lilac/White Magpie				Please cull magpies, they just mess up the tri color and are not really useful and any breeding program and they aren't showable on top of that!
Black Pointed White	Black pw (black pw, REW), blue pw (black pw, blue pw, REW) choco pw (black pw, blue pw, choco pw, lilac pw, REW) lilac pw (black pw, blue pw, choco pw, lilac pw, REW), REW (black pw, blue/choco/lilac pw, REW)	Siamese sable (black pw, siamese sable, REW) smoke pearl (black pw, siamese sable, blue pw, smoke pearl, REW)	The problem with siamese sables and sable points is that the c(chl) gene is dominant to the pointed white (c(h)) gene so you can cover it up. Other than that, there isn't really an issue.	

Blue Pointed White	Black pw (black pw, REW), blue pw (blue pw, REW) choco pw (black pw, blue pw, choco pw, lilac pw, REW) lilac pw (blue pw, choco pw, lilac pw, REW), REW (black/blue/choco/lilac pw, REW)	Siamese sable (black pw, siamese sable, REW) smoke pearl (blue pw, smoke pearl, REW)	The problem with siamese sables and sable points is that the c(chl) gene is dominant to the pointed white (c(h)) gene so you can cover it up. Other than that, there isn't really an issue.	
Chocolate Pointed White	Black pw (black pw, REW, choco pw), blue pw (black pw, blue pw, choco pw, lilac pw, REW) choco pw (chocolate pw, lilac pw, REW) lilac pw (choco pw, blue pw, lilac pw, REW), REW (black pw, blue/choco/lilac pw, REW)	Siamese sable (black pw, siamese sable, REW) smoke pearl (black pw, siamese sable, blue pw, smoke pearl, REW)	The problem with siamese sables and sable points is that the c(chl) gene is dominant to the pointed white (c(h)) gene so you can cover it up. Other than that, there isn't really an issue.	
Lilac Pointed White	Black pw (black pw, REW), blue pw (blue pw, REW) choco pw (choco pw, blue pw, lilac pw, REW) lilac pw (lilac pw, REW), REW (black/blue/choco/lilac pw, REW)	Siamese sable (black pw, siamese sable, REW) smoke pearl (blue pw, smoke pearl, REW)	The problem with siamese sables and sable points is that the c(chl) gene is dominant to the pointed white (c(h)) gene so you can cover it up. Other than that, there isn't really an issue.	
Blue Eyed White	Blue-Eyed-White (BEW) and BEW carriers	Selves, torts, agoutis...they'll just carry the vienna white gene (i.e. BEW carries which can be "BEW sports")		BEW's are just best kept bred to BEW's
Ruby Eyed White	REW (REW), sable point (REW, siamese sable, sable point), siamese sable (REW, siamese sable, sable point), smoke pearl (REW, siamese sable, sable point, smoke pearl) Chinchilla (chin, REW), squirrel (chin, REW, squirrel)	Selves ~ They will just carry REW is all.		
Sable Point	REW (REW), sable point (REW, sable point), siamese sable (REW, seal, siamese sable, sable point), smoke pearl (REW, seal, siamese	Torts	What's the fun of breeding them to torts? Unless the tort carries REW or light chin from a previous sable point or	

	sable, blue seal, sable point, smoke pearl)		siamese sable on the pedigree, nothing exciting happens.	
Blue Point	REW (REW), sable point (REW, sable point, blue point), siamese sable (REW, seal, siamese sable, sable point, smoke pearl), smoke pearl (REW, smoke pearl, blue seal, siamese sable, sable point)	Torts	What's the fun of breeding them to torts? Unless the tort carries REW or light chin from a previous sable point or siamese sable on the pedigree, nothing exciting happens.	You can breed to blue points, chocolate points, or lilac points, but since all of those are non-showable I am assuming you won't.
Chocolate Point	REW (REW), sable point (REW, sable point), siamese sable (REW, seal, siamese sable, sable point), smoke pearl (REW, seal, siamese sable, sable point, smoke pearl)	Torts	What's the fun of breeding them to torts? Unless the tort carries REW or light chin from a previous sable point or siamese sable on the pedigree, nothing exciting happens.	You can breed to blue points, chocolate points, or lilac points, but since all of those are non-showable I am assuming you won't.
Lilac Point	REW (REW), sable point (REW, siamese sable, sable point, blue point, lilac point, chocolate point), siamese sable (REW, siamese sable, sable point), smoke pearl (REW, siamese sable, smoke pearl)	Torts	What's the fun of breeding them to torts? Unless the tort carries REW or light chin from a previous sable point or siamese sable on the pedigree, nothing exciting happens.	You can breed to blue points, chocolate points, or lilac points, but since all of those are non-showable I am assuming you won't.
Siamese Sable	REW (REW), sable point (REW, siamese sable, seal, sable point), siamese sable (REW, seal, siamese sable, sable point), smoke pearl (REW, seal, siamese sable, blue seal, sable point, smoke pearl, blue point)	Torts	What's the fun of breeding them to torts? Unless the tort carries REW or light chin from a previous sable point or siamese sable on the pedigree, nothing exciting happens.	
Smoke Pearl	REW (REW), sable point (REW, siamese sable, seal, sable point, smoke pearl, blue point), siamese	Torts	What's the fun of breeding them to torts? Unless the tort carries REW or light chin from	

	sable (REW, seal, siamese sable, sable point, blue point, smoke pearl), smoke pearl (REW, smoke pearl, blue seal, sable point, blue point)		a previous sable point or siamese sable on the pedigree, nothing exciting happens.	
Seal (note: blue seal is just the dilute version of seal, if the eyes are blue-gray it will not be showable, but usually the color is so dense that they look like normal seals with brown eyes even.)	REW, sable point (, siamese sable, seal, sable point), siamese sable (seal, siamese sable, sable point), smoke pearl (seal, siamese sable, blue seal, sable point, smoke pearl, blue point)			
Gold Tipped Steel (GTS) ** By any agouti I mean chestnut, opal, chocolate agouti, or lynx. Any steel means any of the 8 steel varieties**	Chestnut (GTS, Chestnut, steels and agoutis), Opal (GTS, any steels and agouti), Chocolate Agouti (GTS, any steels and agouti), Lilac Agouti (GTS, any steels and agouti), Any Steel (GTS, any steels and agouti)		Steels should not be bred to any rabbits with the self gene because self will hide the steel gene. This means no breeding to any selfs, shadeds, etc.	
Blue Gold Tipped Steel (BGTS)	Chestnut (GTS, Chestnut, steels and agoutis), Opal (BGTS, opal and agouti), Chocolate Agouti (GTS, any steels and agouti), Lilac Agouti (BGTS, any dilute steels and dilute agoutis), Any Steel (GTS, steels and agouti) Any dilute steel (BGTS, any dilute steel or dilute agouti)		Steels should not be bred to any rabbits with the self gene because self will hide the steel gene. This means no breeding to any selfs, shadeds, etc.	
Chocolate Gold Tipped Steel (CGTS)	Chestnut (GTS, Chestnut, steels and agoutis), Opal (GTS, any steels and agouti), Chocolate Agouti (CGTS, any steels and agouti), Lilac Agouti (CGTS, any chocolate steels and chocolate agouti), Any Steel (GTS, steels and agouti) Any dilute steel (GTS, any steel or agouti)		Steels should not be bred to any rabbits with the self gene because self will hide the steel gene. This means no breeding to any selfs, shadeds, etc.	

Lilac Gold Tipped Steel (LGTS)	Chestnut, Opal, Chocolate Agouti, Lilac Agouti, Any Steel		Steels should not be bred to any rabbits with the self gene because self will hide the steel gene. This means no breeding to any selfs, shadeds, etc.	
Silver Tipped Steel (STS)	Chestnut (GTS, Chestnut, steels and agoutis), Opal (GTS, any steels and agouti), Chocolate Agouti (GTS, any steels and agouti), Lilac Agouti (GTS, any steels and agouti), Any Steel (GTS, any steels and agouti)	**Silver tips are caused by the dark chin gene. To get silver tips, the gold tips must carry it or it must be introduced. It is best to use chins and/or squirrels if you do not have access to silver tips, which will introduce it without messing up the color. Breeding a silver tipped to a silver tipped will never yield a gold tipped.**		
Blue Silver Tipped Steel (BSTS)	Chestnut (GTS, Chestnut, steels and agoutis), Opal (BGTS, opal and agouti), Chocolate Agouti (GTS, any steels and agouti), Lilac Agouti (BGTS, any dilute steels and dilute agoutis), Any Steel (GTS, steels and agouti) Any dilute steel (BGTS, any dilute steel or dilute agouti)		Steels should not be bred to any rabbits with the self gene because self will hide the steel gene. This means no breeding to any selfs, shadeds, etc.	
Chocolate Silver Tipped Steel (CSTS)	Chestnut (GTS, Chestnut, steels and agoutis), Opal (GTS, any steels and agouti), Chocolate Agouti (CGTS, any steels and agouti), Lilac Agouti (CGTS, any chocolate steels and chocolate agouti), Any Steel (GTS, steels and agouti) Any dilute steel		Steels should not be bred to any rabbits with the self gene because self will hide the steel gene. This means no breeding to any selfs, shadeds, etc.	
Lilac Silver Tipped Steel (LSTS)	Chestnut, Opal, Chocolate Agouti, Lilac Agouti, Any Steel		Steels should not be bred to any rabbits with the self gene because self will hide the steel gene. This means no breeding	

			to any selfs, shadeds, etc.	
Red **brown eyes**	Red (Red), orange (red and orange), tri's (nice colored tri's, red, orange)		Reds are the true widebands of the Holland Lops, making the color the deep rich red. They can be used with oranges and tri's to deepen the color, I wouldn't recommend attempting to deepen the fawn color you'll probably end up just making a ton of oranges and loosing the rich red color.	Reds are very cool and extremely rare. They are a very deep orange color. There are some breeders working on red Hollands and most use the Thriantas to introduce wideband.
Orange **good amount of rufus modifiers and color intensifiers** **brown eyes**	Red (red, orange), orange (orange), tri (tri and orange), Frosty (orange, frosty), tort (orange, tort)	Torts		
Fawn **only a few rufus modifiers and color intensifiers** **brown eyes**	Orange (orange, fawn), fawn (fawn), tri (tri, orange/fawn), frosty (fawn/orange, frosty)	Torts		
Cream **This is the dilute in Hollands!** **blue-gray eyes**	Orange (orange, fawn, cream), fawn (fawn, orange, cream), cream (cream), Frosty (orange, frosty, cream) Tri (tri, orange, fawn, cream), blue tri (blue tri, cream), chocolate tri (tri, fawn, orange), lilac tri (blue tri, cream)	Torts		
Frosty	Orange (orange, fawn, cream, frosty), fawn (fawn, orange, cream, frosty), cream (cream), Frosty (frosty), Chinchilla (chinchilla, frosty), Squirrel (chinchilla, frosty, squirrel)			

<p>Otter (Black Otter)</p>	<p>Black otter (black otter, black, blue, blue otter), blue otter (black otter, blue otter, black, blue), chocolate otter (black otter, chocolate otter, black, chocolate), lilac otter (black otter, blue/choco/lilac otter, black, blue, chocolate, lilac), black (black otter, black, blue otter, blue), blue (black otter, blue otter, blue, black), chocolate (black otter, chocolate, black, chocolate otter), lilac (black otter, blue/choco/lilac otter, black, blue, chocolate, lilac)</p>			<p>Do not breed otters with torts, orange, fawn, or creams because they have a gene that will cause tort otters.</p>
<p>Blue Otter</p>	<p>Black otter (black otter, black, blue, blue otter), blue otter (blue otter, blue), chocolate otter (black otter, chocolate otter, black, chocolate), lilac otter (blue otter, lilac otter, blue, lilac), black (black otter, black, blue otter, blue), blue (blue otter, blue), chocolate (black otter, chocolate, black, blue, blue otter, lilac otter, chocolate otter), lilac (blue otter, lilac otter, blue, lilac)</p>			<p>Do not breed otters with torts, orange, fawn, or creams because they have a gene that will cause tort otters.</p>
<p>Chocolate Otter</p>	<p>Black otter (black otter, black, blue, blue otter), blue otter (black otter, blue otter, chocolate otter, lilac otter, lilac, chocolate, black, blue), chocolate otter (chocolate otter, chocolate, lilac, lilac otter), lilac otter (chocolate otter, lilac otter, chocolate, lilac), black (black otter, black, blue otter, blue), blue (black otter, blue otter, blue, black), chocolate (chocolate otter,</p>			<p>Do not breed otters with torts, orange, fawn, or creams because they have a gene that will cause tort otters.</p>

	chocolate), lilac (chocolate otter, lilac otter, chocolate, lilac)			
Lilac Otter	Black otter, blue otter, chocolate otter, lilac otter, black, blue, chocolate, lilac			Do not breed otters with torts, orange, fawn, or creams because they have a gene that will cause tort otters.
Black Marten				Martens follow the same rules as the otters. Right now they are not showable, but they are being worked on and hopefully will pass in a few years.
Blue Marten				
Chocolate Marten				
Lilac Marten				
Sable Marten				
Smoke Pearl Marten				
Chocolate Sable Marten				
Lilac Sable Marten				
Silver Marten				
Blue Silver Marten				
Chocolate Silver Marten				
Lilac Silver Marten				
Tort Otter				Don't breed tort otters with anything please. Blue tort otters are often called lynxes when they really are not. Chocolate tort otters appear orange. Lilac tort otters appear cream in color. They really do nothing for a breeding program and only mess up colors further down the line.