

Check Mate in Grassroots Online

Check Mate – is a simple system developed in conjunction with the British Pig Association to help members avoid mating closely related animals.

If your breed society has enabled this tool, the option will appear in the Manage My Animals Menu (top right of the Online Registry screens)

Click on the box to select the male

Type in part of the name or number and click on the correct male in the list offered.

Click on the box to select one of your females

Type in part of the name or number and click on the correct female in the list offered.

A ‘what if’ pedigree will be displayed for the prospective offspring.

Any common ancestors will appear in colour with the simple instructions:

Clean or **Green** Go straight ahead and mate
Orange or **Yellow** Think twice and get advice.
 For a full kinship analysis, contact your Breed Society

If the common ancestor first appears as a parent or grandparent it will be in orange

If the common ancestor first appears as a great grandparent it will be in yellow

If the common ancestor first appears as a great great grandparent it will be in green.

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Parents	Grand Parents	Great Grand Parents	Great Great Grand Parents
Coney Grey Frederick R14049	Coney Grey Male IV XR4048	Mersea Abel R11946	Shashamane R11552 Tollesbury Wick R11156
	Coney Grey Zenith R13865	Coney Grey Vina R12629	Lings Bounty R12213 Yellabelly Sabina R11473
Bemborough R13950	Mersea Jack Daniels R12710	Lings Bounty R12213	Knightley Quon R11535 Lings Wispa R11198
	Bemborough R12943	Coney Grey Thomasina R12191	Drumoak Captain Najork R10855 Yellabelly Sabina R11473
		Coney Grey Spartacus R11945	Drumoak Captain Najork R10855 Hazelwood Roberta R10567
		Mersea Annette R11953	Shashamane R11552 Tollesbury Wick R11135
		Hazelwood Warrior R12214	Knightley Mars Baa R10652 Hazelwood Valencia R11780
		Bemborough R12227	Rye End Feike R11396 Bemborough R10665

Obviously the more colour in the pedigree the more common ancestors and the higher the risk.

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Parents	Grand Parents	Great Grand Parents	Great Great Grand Parents
Bemborough R13024	Hazelwood Warrior R12214	Knighthley Mars Baa R10652	Outlane Cosmo R10226 Knighthley Kayley R10206
		Hazelwood Valencia R11780	Roughland Timmy R10603 Rye End Aaike R10419
	Bemborough R11488	Yellabelly Nick R10640	Drumoak Bat Man R10011 Yellabelly Kylie R9860
		Bemborough R10173	Rye End Seagar R9641 Bemborough R9816
Bemborough R12943	Hazelwood Warrior R12214	Knighthley Mars Baa R10652	Outlane Cosmo R10226 Knighthley Kayley R10206
		Hazelwood Valencia R11780	Roughland Timmy R10603 Rye End Aaike R10419
	Bemborough R12227	Rye End Feike R11396	Rye End Duane R11300 Rye End Clazientje R10923
		Bemborough R10665	Walmer Kevin R10070 Bemborough R10232

This is an example showing that the 2 animals selected had the same sire.

For more detailed advice or a full kinship analysis please contact your breed registry.

Kinship - Grassroots have provided tools to enable Breed Societies to do full Kinship Analysis for many years. This is done in the Office System and creates a standard report helping members to understand when animals are too closely related to be used for breeding. The kinship analysis is a probability calculation, and can be skewed where pedigrees are incomplete or of different lengths. There is also no absolute number above or below which it is safe to breed. The standard Grassroots Kinship report explains this and makes comparison with the mean inbreeding coefficient for the current live population. However, this can also be skewed in breeds who do or do not record all deaths. These are the reasons Grassroots have never made Kinship analysis an Online Option, but rather encouraged members to ask for an analysis via their breed registry, who are familiar with their own breed data.