

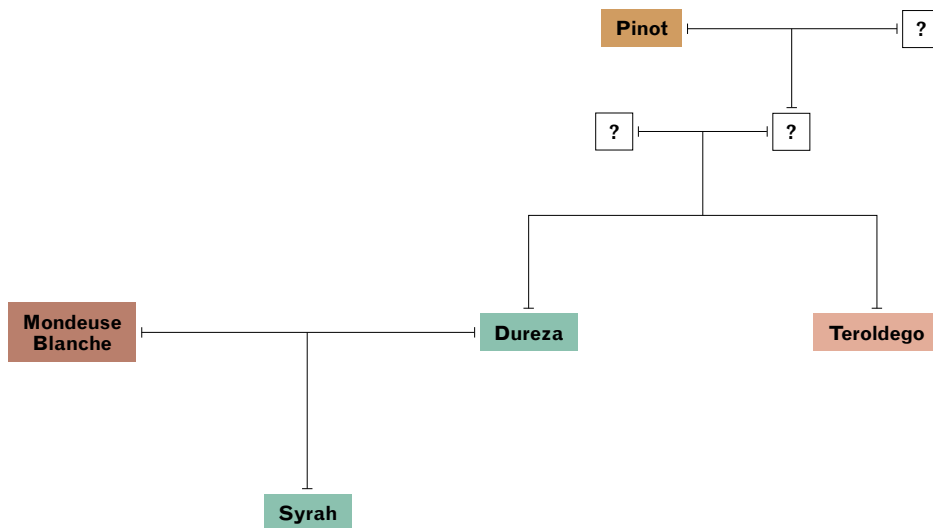
their uncle/aunt. Therefore, Pinot is a very likely great-grandparent of Syrah, which challenges the supposition that they have completely different origins.

MONDEUSE NOIRE AND VIOGNIER IN THE SYRAH PEDIGREE DNA parentage analysis has recently shown that MONDEUSE BLANCHE from Savoie has a parent–offspring relationship with both MONDEUSE NOIRE from Savoie/Haute-Savoie and VIOGNIER from the northern Vallée du Rhône (Vouillamoz 2008), which means that Mondeuse Noire and Viognier are either parents or offspring of Mondeuse Blanche. However, in the absence of the other parent, it is impossible to know which is the parent and which the offspring. As a consequence, three pedigrees are equally possible, as shown in diagram 2 opposite.

If MONDEUSE NOIRE is a parent of MONDEUSE BLANCHE through a natural cross-pollination with an unknown and probably extinct variety, then Mondeuse Noire must be a grandparent of Syrah and VIOGNIER (option A opposite), because the relationship Mondeuse

SYRAH PEDIGREE DIAGRAM 1

The parents of SYRAH were discovered by DNA parentage analysis in 1998. Close and unexpected genetic links with the Italian TEROLDEGO and the Burgundian PINOT were detected in 2006.



● Rhône (France) ● Savoie (France) ● Trentino (Italy) ● north-eastern France