

Pedigree confirmed by markers

Prime name: **CABERNET SAUVIGNON N**

Variety number VIVC: **1929**

Note: Several parentage hypotheses exist. They are given below. Analysis of additional nSSR or SNP markers or other proofs are needed to determine the correct parentage.

Prime name of pedigree parent 1: CABERNET FRANC N Prime name of pedigree parent 2: SAUVIGNON BLANC B		
Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
577	ANONYMOUS Catalogue des variétés et clones de vigne cultivés en France 2ème édition Institut Français de la Vigne et du Vin (ENTAV-ITV) 2007	
40145	BOURSQUOT, J. M.; LACOMBE, T.; LAUCOU, V.; JULLIARD, S.; PERRIN, F. X.; LANIER, N.; LEGRAND, D.; MEREDITH, C.; THIS, P. Parentage of Merlot and related winegrape cultivars of southwestern France: Discovery of the missing link Australian Journal of Grape and Wine Research, Australia 15 (2) 144-155 2009 https://doi.org/10.1111/j.1755-0238.2008.00041.x	35
40050	BOWERS, J. E.; MEREDITH, C. P. The parentage of a classic wine grape, Cabernet Sauvignon Nature Genetics 16 (1) 84-87 1997 https://doi.org/10.1038/ng0597-84	30
40183	CIPRIANI, G.; SPADOTTO, A.; JURMAN, I.; GASPERO, G. DI; CRESPIAN, M.; MENEGHETTI, S.; FRARE, E.; VIGNANI, R.; CRESTI, M.; MORGANTE, M.; PEZZOTTI, M.; PE, E.; POLICRITI, A.; TESTOLIN, R. The SSR-based molecular profile of 1005 grapevine (<i>Vitis vinifera</i> L.) accessions uncovers new synonymy and parentages, and reveals a large admixture amongst varieties of different geographic origin Theoretical and Applied Genetics 121 (8) 1569-1585 2010 https://doi.org/10.1007/s00122-010-1411-9	34

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
40672	<p>CRESPAN, M.; STORCHI, P.; MIGLIARO, D. Grapevine Cultivar Mantónico bianco is the Second Parent of the Sicilian Catarratto American Journal of Enology and Viticulture 68 (2) 258-262 2017 https://doi.org/10.5344/ajev.2016.16068</p>	47
40895	<p>D'ONOFRIO, C.; TUMINO, G.; GARDIMAN, M.; CRESPAN, M.; BIGNAMI, C.; DE PALMA, L.; BARBAGALLO, M. G.; MUGANU, M.; MORCIA, C.; NOVELLO, V.; SCHNEIDER, A.; TERZI, V. Parentage Atlas of Italian Grapevine Varieties as Inferred From SNP Genotyping Frontiers in Plant Science (11) 16 pp. 2021 https://doi.org/10.3389/fpls.2020.605934</p>	
40198	<p>GORYSLAVETS, S.; RISOVANNA, V.; BACILIERI, R.; HAUSMANN, J.-F.; HEUERTZ, M. A parentage study of closely related Ukrainian wine grape varieties using microsatellite markers Cytology and Genetics 44 (2) 95-102 2010</p>	6
40858	<p>KARASTAN, O. M.; MULIUKINA, N. A.; PAPINA, O. S. Verification of grape pedigree by microsatellite analysis Cytology and Genetics 52 (5) 331-342 2018 https://dx.doi.org/10.3103/S0095452718050031</p>	9
40306	<p>LACOMBE, T.; BOURSQUOT, J.M.; LAUCOU, V.; DI VECCHI-STARAZ, M.; PEROS, J.P.; THIS, P. Large-scale parentage analysis in an extended set of grapevine cultivars (<i>Vitis vinifera</i> L.) Theoretical Applied Genetics 126 (2) 401-414 2013 https://doi.org/10.1007/s00122-012-1988-2</p>	20
40320	<p>MENA, A.; MARTINEZ, J.; FERNANDEZ-GONZALEZ, M. Recovery, identification and relationships by microsatellite analysis of ancient grapevine cultivars from Castilla-La Mancha: the largest wine growing region in the world Genetic Resources and Crop Evolution 61 (3) 625-637 2014 https://dx.doi.org/10.1007/s10722-013-0064-3</p>	31

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
40882	<p>RAIMONDI, S.; TUMINO, G.; RUFFA, P.; BOCCACCI, P.; GAMBINO, G.; SCHNEIDER, A. DNA-based genealogy reconstruction of Nebbiolo, Barbera and other ancient grapevine cultivars from northwestern Italy Scientific Reports 10, 15782 2020 https://doi.org/10.1038/s41598-020-72799-6</p>	32
40010	<p>REGNER, F. Erkenntnisse über unsere Rebsorten mittels genetischer Analyse Deutsches Weinbau-Jahrbuch (50) 83-88 1999</p>	
40505	<p>REGNER, F.; SEFC, K.; STADLBAUER, A.; STEINKELLNER, H. Genetic markers for the identification of varieties and clones as a guarantee of quality Acta Horticulturae (473) 49-61 1998</p>	24
40902	<p>RIAZ, S.; PAP, D.; URETSKY, J.; LAUCOU, V.; BOURSQUOT, J. M.; KOCSIS, L.; WALKER, M. A. Genetic diversity and parentage analysis of grape rootstocks Theoretical and Applied Genetics 132 (6) 1847-1860 2019 https://dx.doi.org/10.1007/s00122-019-03320-5</p>	35
40055	<p>SEFC, K.M.; LEFORT, F.; GRANDO, M.S.; SCOTT, K.D.; STEINKELLER, H.; THOMAS, M.R. Microsatellite markers for grapevine: A state of the art Molecular Biology & Biotechnology of the Grapevine, Kluwer Academic Publishers, 433-462 2001</p>	
40015	<p>SEFC, K.M.; STEINKELLNER, H.; WAGNER, H.W.; GLÖSSL, J.; REGNER, F. Application of microsatellite markers to parentage studies in grapevine Vitis 36 (4) 179-183 1997 https://doi.org/10.5073/vitis.1997.36.179-183</p>	24

Prime name of pedigree parent 1: **CABERNET FRANC N**
Prime name of pedigree parent 2: ?

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
40014	REGNER, F.; EISENHELD, C.; KASERER, H.; STADLBAUER, A. Weitere Sortenanalysen bei Rebe mittels genetischer Marker Mitteilungen Klosterneuburg 51 (1) 3-14 2001	