

**Online Resource 1**

Title: Microsatellite-based DNA fingerprinting of selected grapevine cultivars  
 Journal: The South African Journal of Enology and Viticulture  
 Authors: C.J. Van Heerden P. Burger R. Prins  
 Corresponding author: C.J. Van Heerden  
 Affiliation: Stellenbosch University  
 e-mail: [cjvh@sun.ac.za](mailto:cjvh@sun.ac.za)  
 Tel: +27 (0)21 808 9044

TABLE S1  
 Parent-offspring groups of subset of cultivars/breeding lines.

Cultivar/breeding line	Reported parentage	Parentage supported by this study
Ajvaz	Moldova × Cardinal <sup>a</sup>	Confirmed
Black Velvet	Kishmish Moldavskii × Marroo Seedless <sup>b</sup>	Confirmed
Blue Satin	Sunred Seedless × Kishmish Moldavskii <sup>b</sup>	Confirmed
Bonheur	Barlinka × Alphonse Lavallée <sup>a</sup>	Confirmed
Cabernet Sauvignon	Sauvignon Blanc × Cabernet Franc <sup>a</sup>	Confirmed
Datal <sup>d</sup>	Waltham Cross × Muscat of Alexandria <sup>a</sup>	Confirmed <sup>c</sup> Waltham Cross × Muscat of Alexandria cl 982
Dauphine <sup>d</sup>	Ohanes × Waltham Cross <sup>a</sup>	Confirmed
Desert Dawn	Sunred Seedless open pollination <sup>b</sup>	Sunred Seedless × Ralli Seedless <sup>c</sup> Sunred Seedless × Sugra 14 Sunred Seedless × Sugraone
Early Sweet <sup>d</sup>		Waltham Cross × Rallis Seedless <sup>c</sup> Waltham Cross × Sugra 14 Waltham Cross × Sugraone
EA Rooi		Thompson Seedless cl H5 × Emperor Seedless <sup>c</sup> Thompson Seedless cl H5 × Red Emperor
Ebony Star	Redglobe × Bonheur <sup>b</sup>	Redglobe × La Rochelle
Emperor Seedless	Mutant of Red Emperor	Crimson Seedless × Red Emperor <sup>c</sup> Perlon × Red Emperor EA Rooi × Red Emperor
G1-1074	Sunred Seedless × Fantasy Seedless <sup>b</sup>	Confirmed
G1-1075	Sunred Seedless × Fantasy Seedless <sup>b</sup>	Confirmed
G1-7720	Black Rose × Muscat Seedless <sup>b</sup>	Confirmed <sup>c</sup> Black Rose × Honeybunch
G2-52	Sunred Seedless × Kishmish Luchistij <sup>b</sup>	Confirmed
G2-996 <sup>d</sup>		Datal × Regal Seedless
G4-655		Sunred Seedless × Muscat Seedless <sup>c</sup>
G4-568		Sunred Seedless × Muscat Seedless <sup>c</sup>
G4-930	Muscat Seedless × NVB90-24 b	NVB90-24 × Sugraone <sup>c</sup> NVB90-24 × Sugra 14 NVB90-24 × Ralli Seedless
G4-1125		Sunred Seedless × Muscat Seedless Sunred Seedless × Honeybunch
G4-1437 <sup>e</sup>	Muscat Seedless × Lady Ann <sup>b</sup>	Confirmed <sup>c</sup> Lady Ann × Honeybunch
G4-1478 <sup>e</sup>	Muscat Seedless × Lady Ann <sup>b</sup>	Confirmed <sup>c</sup> Lady Ann × Honeybunch
Honeybunch	Muscat Seedless open pollination	Perlette × Muscat of Alexandria Red <sup>c</sup> Perlette × Muscat of Alexandria cl 982 G4-1478 × Muscat of Alexandria Red G4-1478 × Muscat of Alexandria cl 982 G4-1437 × Muscat of Alexandria Red G4-1437 × Muscat of Alexandria cl 982

TABLE S1 (CONTINUED)

<b>Cultivar/breeding line</b>	<b>Reported parentage</b>	<b>Parentage supported by this study</b>
La Rochelle	Barlinka × Alphons Lavalee <sup>a</sup>	Confirmed
Muscat Seedless	Muscat of Alexandria × Perlette <sup>a</sup>	Confirmed <sup>c</sup> Perlette × Muscat of Alexandria cl 982 G4-1478 × Muscat of Alexandria Red <sup>e</sup> G4-1478 × Muscat of Alexandria cl 982 <sup>e</sup> G4-1437 × Muscat of Alexandria Red <sup>e</sup> G4-1437 × Muscat of Alexandria cl 982 <sup>e</sup>
Muska	Isabella × Pirovano 15 <sup>a</sup>	
Perlon	Emperor × Perlette <sup>a</sup>	
Pirobella	Isabella × Pirovano 15 <sup>a</sup>	
Prime Seedless <sup>d</sup>		Waltham Cross × Rallis Seedless <sup>c</sup> Waltham Cross × Sugra 14 Waltham Cross × Sugraone
Ralli Seedless	Mutant of Sugraone <sup>a</sup>	
Red Emperor		Crimson Seedless × Emperor Seedless
Regal Seedless	Datal × Centennial Seedless <sup>b</sup>	
Scarlet Dew	Sunred Seedless × Muscat Seedless <sup>b</sup>	Sunred Seedless × Muscat Seedless <sup>c</sup> Sunred Seedless × Honeybunch
Sugra 14	Mutant of Sugraone <sup>a</sup>	
Sundance Seedless <sup>d</sup>	Datal × Dawn Seedless <sup>b</sup>	Dauphine × Dawn Seedless
Sunred Seedless	Datal × Ruby Seedless <sup>a</sup>	Confirmed
Victoria <sup>d</sup>	Cardinal × Waltham Cross <sup>a</sup>	Confirmed
White Gem <sup>d</sup>		Centennial Seedless × Datal

<sup>a</sup> Vitis International Variety Catalogue

<sup>b</sup> P. Burger, personal communication

<sup>c</sup> More than one potential pedigree

<sup>d</sup> These pedigrees were only supported if the presence of a null allele for marker VVIB63 is accepted.

<sup>e</sup> After correcting allele call for VMC6G1