SSR marker	**Estimated PI-associated value**	**SSR marker**	**Estimated PI-associated value**
VVMD27	PI≤1,04 x 10^{-10}	**VVMD27**	PI≤1,0 x 10^{-6}
VVMD25		**VVMD25**	
VVMD21		VVMD21	
VVMD24		VVMD24	
VVMD32		VVMD32	
VVMD31		VVMD31	
VVMD36		VVMD36	
VVMD34		VVMD34	
VVMD7		VVMD7	
VVS2		**VVS2**	
ZAG47		ZAG47	
ZAG79		ZAG79	
ZAG21		**ZAG21**	
ZAG83		**ZAG83**	
ZAG64		ZAG64	

Supplementary Table S1. Among the 15 SSR markers, 7 (bold, first column) were efficiently used for WDF in Sangiovese wines in previous work [17]. A limited panel of five SSR markers (bold, third column from left) were successfully used to obtain confirmation of the Sangiovese monovarietal nature of the wines.
The respective associated PI values were calculated for each panel, supporting the reliability of the WDF with a reduced number of SSR markers.