Table S1. Content of individual phenolic compounds of herbs (μg/100 mg).

Compound Name	Acronym	Juniper berry	Carline root	Wild garlic	Chives	Onion	Blend
Gallic acid	GA	0.701 ± 0.028	0.168 ± 0.007	0.329 ± 0.013	0.300 ± 0.012	0.252 ± 0.010	0.544 ± 0.022
3-*O*-Caffeoylquinic acid (Chlorogenic acid)	3CQA	0.063 ± 0.003 ^{c}	3.184 ± 0.127 ^{b}	0.336 ± 0.013 ^{c}	0.239 ± 0.010 ^{c}	0.044 ± 0.002 ^{c}	10.620 ± 0.425 ^{a}
Rosmarinic acid	RA	0.010 ± 0.002	0.262 ± 0.058	0.012 ± 0.000	0.006 ± 0.001	0.002 ± 0.001	0.022 ± 0.005
Caffeic acid	CA	0.701 ± 0.070	0.168 ± 0.017	0.329 ± 0.033	0.300 ± 0.030	0.252 ± 0.025	0.544 ± 0.054
Vanillic acid	VA	1.671 ± 0.067 ^{a}	1.463 ± 0.059 ^{a}	0.464 ± 0.019 ^{b}	0.768 ± 0.031 ^{b}	n.d. ^{b}	0.871 ± 0.035 ^{a,b}
p-Coumaric acid	pCA	0.893 ± 0.170 ^{c}	0.480 ± 0.091 ^{c}	12.488 ± 2.373 ^{a}	4.877 ± 0.927 ^{b}	0.044 ± 0.008 ^{c}	4.052 ± 0.770 ^{b}
trans-Ferulic acid	tFA	0.575 ± 0.040 ^{c}	0.747 ± 0.052 ^{c}	6.272 ± 0.251 ^{b}	19.587 ± 1.371 ^{a}	0.073 ± 0.005 ^{c}	6.297 ± 0.441 ^{b}
1,3-Dicaffeoylquinic acid (Cynarin)	1,3DQA	n.d.	0.135 ± 0.040	0.010 ± 0.003	0.009 ± 0.003	n.d.	0.015 ± 0.005
∑ Phenolic acids		**4.617**	**6.606**	**20.240**	**26.085**	**0.668**	**22.967**
Quercetin	Q	0.032 ± 0.011	0.021 ± 0.001	0.028 ± 0.001	0.200 ± 0.008	0.018 ± 0.001	0.054 ± 0.002
Quercetin 3-*O*-glucoside	Q3G	0.319 ± 0.086 ^{a,b}	0.792 ± 0.063 ^{a,b}	0.061 ± 0.005 ^{b}	1.045 ± 0.084 ^{a}	0.538 ± 0.043 ^{a,b}	0.219 ± 0.018 ^{a,b}
Quercetin 3-*O*-rutinoside (Rutin)	Q3R	44.888 ± 1.796 ^{a}	0.148 ± 0.006 ^{c}	0.376 ± 0.015 ^{c}	0.268 ± 0.072 ^{c}	0.122 ± 0.005 ^{c}	13.944 ± 0.558 ^{b}
Quercetin 3,4′-*O*-diglucoside	QDG	0.248 ± 0.010 ^{b}	0.068 ± 0.003 ^{c}	0.120 ± 0.005 ^{b}	2.072 ± 0.083 ^{a}	0.081 ± 0.003 ^{c}	0.592 ± 0.024 ^{b}
Kaempferol 7-*O*-glucoside	K7G	6.197 ± 1.054 ^{b}	0.014 ± 0.001 ^{e}	8.391 ± 0.336 ^{a}	1.468 ± 0.059 ^{d}	0.013 ± 0.001 ^{e}	2.705 ± 0.108 ^{c}
Kaempferol 3-*O*-glucoside	K3G	17.727 ± 0.709 ^{d}	0.025 ± 0.001 ^{e}	27.017 ± 1.081 ^{c}	60.919 ± 2.437 ^{a}	0.018 ± 0.001 ^{e}	30.503 ± 1.220 ^{b}
Kaempferol 3-*O*-rutinoside	K3R	3.142 ± 0.126 ^{b}	0.036 ± 0.001 ^{c}	n.d. ^{c}	5.729 ± 0.229 ^{a}	0.030 ± 0.001 ^{c}	3.210 ± 0.128 ^{b}
∑ Flavonols		**72.553**	**1.105**	**35.992**	**71.702**	**0.821**	**51.228**
(+)-Catechin	C	38.610 ± 1.544 ^{a}	0.048 ± 0.009 ^{c}	n.d. ^{c}	0.072 ± 0.003 ^{c}	0.126 ± 0.005 ^{c}	5.689 ± 0.228 ^{b}
(−)-Epicatechin	EC	4.697 ± 0.188 ^{a}	0.350 ± 0.014 ^{b}	0.033 ± 0.001 ^{b}	n.d. ^{b}	0.123 ± 0.005 ^{b}	0.874 ± 0.035
∑ Flavan-3-ols		**43.307**	**0.398**	**0.033**	**0.072**	**0.248**	**6.536**
Resveratrol 3-*O*-glucoside (Piceid)	R3G	0.036 ± 0.012	0.005 ± 0.002	0.006 ± 0.002	0.004 ± 0.001	0.003 ± 0.001	0.016 ± 0.005
Resveratrol	RES	0.053 ± 0.017	0.019 ± 0.006	0.026 ± 0.008	0.063 ± 0.021	n.d.	0.012 ± 0.004
∑ Stilbenoids		**0.089**	**0.024**	**0.031**	**0.068**	**0.003**	**0.029**
Hydroxytyrosol	HYT	0.037 ± 0.001	0.191 ± 0.008	0.034 ± 0.001	0.058 ± 0.002	0.028 ± 0.001	0.063 ± 0.003
Verbascoside	VER	0.425 ± 0.077 ^{b}	1.502 ± 0.270 ^{a}	0.912 ± 0.164 ^{a,b}	0.534 ± 0.096 ^{b}	0.541 ± 0.097 ^{b}	1.549 ± 0.279 ^{a}
Oleuropein	OLE	0.225 ± 0.009	0.264 ± 0.011	0.283 ± 0.011	0.242 ± 0.010	0.298 ± 0.012	0.265 ± 0.011
Ligstroside	LIG	0.040 ± 0.002	0.034 ± 0.001	0.030 ± 0.001	0.038 ± 0.002	0.028 ± 0.001	0.030 ± 0.001
Phloridzin	PHZ	0.900 ± 0.153	0.003 ± 0.001	0.006 ± 0.001	0.002 ± 0.000	n.d.	0.278 ± 0.047
Phloretin	PHL	1.536 ± 0.061 ^{a}	0.724 ± 0.029 ^{a,b}	0.586 ± 0.023 ^{b}	0.734 ± 0.029 ^{a,b}	n.d. ^{b}	0.838 ± 0.034 ^{a,b}
Apigenin	AP	0.798 ± 0.032	0.002 ± 0.000	0.010 ± 0.000	0.020 ± 0.001	n.d.	0.143 ± 0.006
Luteolin	LUT	0.858 ± 0.137	0.005 ± 0.001	0.009 ± 0.001	0.003 ± 0.000	n.d.	0.156 ± 0.025
Naringenin	NAR	0.315 ± 0.013	0.003 ± 0.000	0.041 ± 0.002	0.092 ± 0.004	0.004 ± 0.000	0.139 ± 0.006
∑ Others		**5.135**	**2.729**	**1.912**	**1.721**	**0.899**	**3.461**

Results were expressed as mean ± standard deviation of three replicates. Values with different superscripts (a–d) by row differ significantly ($p < 0.05$). n.d.: not detected.

Table S2. Content of individual phenolic compounds of grape juices from different vines (μg/100 mg).

Compound Name	Acronym	*Vermentino* juice	*Sangiovese* juice	*p*-value
Gallic acid	GA	994.7 ± 155.0	1193.2 ± 50.8	n.s.
3-*O*-Caffeoylquinic acid (Chlorogenic acid)	3CQA	44.0 ± 5.0	27.0 ± 7.0	< 0.05
Rosmarinic acid	RA	13.8 ± 2.0	2.2 ± 0.5	< 0.001
Caffeic acid	CA	994.7 ± 155.0	1193.4 ± 89.0	n.s.
Vanillic acid	VA	247.0 ± 19.1	698.1 ± 82.0	< 0.001
p-Coumaric acid	pCA	79.6 ± 5.5	134.7 ± 20.4	< 0.05
trans-Ferulic acid	tFA	42.3 ± 4.2	52.2 ± 6.0	n.s.
∑ Phenolic acids		**2416.1**	**3301.8**	
Quercetin	Q	155.3 ± 24.7	20.6 ± 2.6	< 0.001
Quercetin 3-*O*-glucoside	Q3G	198.0 ± 22.8	426.7 ± 23.9	< 0.001
Quercetin 3-*O*-rutinoside (Rutin)	Q3R	1336.1 ± 94.0	618.0 ± 39.7	< 0.001
Quercetin 3,4-*O*-diglucoside	QDG	175.3 ± 14.7	69.8 ± 7.7	< 0.001
Kaempferol 7-*O*-glucoside	K7G	224.1 ± 22.0	83.8 ± 3.9	< 0.001
Kaempferol 3-*O*-glucoside	K3G	704.1 ± 46.0	239.5 ± 18.1	< 0.0001
Kaempferol 3-*O*-rutinoside	K3R	426.5 ± 28.3	131.9 ± 11.9	< 0.0001
∑ Flavonols		**3220.4**	**1590.0**	
(+)-Catechin	C	15606.0 ± 1449.8	9091.7 ± 973.1	< 0.01
(−)-Epicatechin	EC	624.9 ± 52.9	1043.4 ± 47.6	< 0.001
∑ Flavan-3-ols		**16230.9**	**10135.1**	
Resveratrol 3-*O*-glucoside (Piceid)	R3G	581.7 ± 77.5	411.9 ± 12.1	< 0.05
Resveratrol	RES	n.d.	11.6 ± 2.4	< 0.01
∑ Stilbenoids		**581.7**	**423.5**	
Hydroxytyrosol	HYT	308.0 ± 18.7	327.7 ± 10.0	n.s.
Verbascoside	VER	4313.9 ± 327.9	709.7 ± 43.5	< 0.0001
Oleuropein	OLE	253.9 ± 10.1	214.0 ± 34.0	n.s.
Ligstroside	LIG	25.9 ± 4.0	32.0 ± 7.8	n.s.
Phloridzin	PHZ	762.2 ± 74.2	508.5 ± 100.9	< 0.05
Phloretin	PHL	1254.5 ± 82.2	850.0 ± 40.0	< 0.01
Apigenin	AP	3.0 ± 1.0	0.5 ± 0.3	< 0.05

Luteolin	LUT	31.9 ± 1.7	4.9 ± 0.7	< 0.0001
Naringenin	NAR	3.9 ± 1.9	8.5 ± 0.4	< 0.05
∑ Others		**6956.1**	**2655.8**	

Results were expressed as mean ± standard deviation of three replicates. n.d., not detected; n.s., non-significant.

Table S3. Coefficients of Pearson's correlations among antimicrobial and antioxidant activities and total phenolic content and VOCs of Agresto from grapes from different vines (Vermentino and Sangiovese).

Variables	***E. coli***	***S.* Typhimurium**	***E. aerogenes***	***S. aureus***	***E. faecalis***	**FRAP**	**DPPH**	**ORAC**
TPC	**0.994**	0.389	0.580	-0.539	0.740	**0.959**	0.680	**0.996**
Flavonoids	0.778	0.312	0.476	-0.400	0.592	0.790	0.604	0.779
Flavonols	**0.875**	-0.076	0.184	-0.720	0.302	**0.849**	0.523	**0.870**
Monoterpene hydrocarbons	**-0.975**	-0.386	-0.630	0.468	-0.743	**-0.956**	-0.615	**-0.981**
Oxygenated monoterpenes	**-0.966**	-0.357	-0.434	0.654	-0.676	**-0.866**	-0.805	**-0.959**
Sesquiterpene hydrocarbons	-0.643	-0.301	-0.669	0.057	-0.579	-0.737	-0.147	-0.664
Apocarotenes	**0.860**	0.489	0.705	-0.290	0.784	**0.907**	0.422	**0.872**
Phenylpropanoids	-0.643	-0.301	-0.669	0.057	-0.579	-0.737	-0.147	-0.664
Sulfur derivatives	**0.993**	0.392	0.595	-0.525	0.746	**0.954**	0.675	**0.996**
Non-terpene derivatives	**0.996**	0.387	0.586	-0.535	0.742	**0.952**	0.686	**0.998**
Total VOCs identified	**-0.964**	-0.179	-0.561	0.483	-0.593	**-0.919**	-0.620	**-0.970**

Values in bold indicate significant correlations between variables ($p < 0.05$). Results of antimicrobial activity subjected to correlation analysis were expressed as inhibition rate. TPC, total phenolic content; FRAP, ferric-reducing antioxidant power; ORAC, oxygen radical absorbance capacity; DPPH assay, assay with 2,2-diphenyl-1-picrylhydrazyl radical.