SUPPLEMENTARY DATA
Francesco, E., Azevedo, J., Basile, B., De Freitas, V., Forino, M., Mataffo, A., … Soares, S. (2025). New advancements in conventional and DES-based extraction of phenolic compounds from Aglianico red grape pomace. *OENO One, 59*(2).
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SUPPLEMENTARY DATA

Table S1. Compounds identified by LC-MS/MS in positive and negative ion mode deriving from the chromatographic separation of all the conventional and green extracts of Aglianico grape pomace.

ANTHOCYANINS	RT(min)	Formula M^+	*m/z*	Δ (ppm)	*m/z* fragments
Delphinidin-3-O-glucoside	19.25	$C_{21}H_{21}O_{12}$	465.1027	-0.2	303.05
Petunidin-3-O-glucoside	23.53	$C_{22}H_{23}O_{12}$	479.1180	-0.88	317.07
Peonidin-3-O-glucoside	26.49	$C_{22}H_{23}O_{11}$	463.1235	-0.17	301.07
Malvidin-3-O-glucoside	27.4	$C_{23}H_{25}O_{12}$	493.1334	-1.34	331.08
Malvidin-3-O-acetylglucoside	45.82	$C_{25}H_{27}O_{13}$	535.1440	-1.08	331.08
Syringetin-3-O-glucoside	47.73	$C_{23}H_{25}O_{13}$	509.1282	-1.57	347.08 – 332.05 – 287.05
Peonidin-3-O-caffeoylglucoside	48.13	$C_{31}H_{29}O_{14}$	625.1549	-0.44	301.07
Malvidin-3-O-caffeoylglucoside	48.42	$C_{32}H_{31}O_{15}$	655.1646	-1.74	331.08
Delphinidin-3-O-coumaroylglucoside	46.75	$C_{30}H_{27}O_{14}$	611.1384	-1.8	303.05
Petunidin-3-O-coumaroylglucoside	49.68	$C_{31}H_{29}O_{14}$	625.1540	-1.91	317.07

Peonidin-3-O-coumaroylglucoside cis	50.58	$C_{31}H_{29}O_{13}$	609.1599	-0.58	301.07
Malvidin-3-O-coumaroylglucoside cis	50.75	$C_{32}H_{31}O_{14}$	639.1696	-1.9	331.08
Peonidin-3-O-coumaroylglucoside trans	53.66	$C_{31}H_{29}O_{13}$	609.1596	-1.08	301.07
Malvin-3-O-coumaroylglucoside trans	54.09	$C_{32}H_{31}O_{14}$	639.1693	-2.47	331.08
A-type Vitisin of Petunidin-3-O-glucoside	25.43	$C_{25}H_{23}O_{14}$	547.1074	-1.48	385.06
A-type Vitisin of Peonidin-3-O-glucoside	29.13	$C_{25}H_{23}O_{13}$	531.1127	-1.22	369.06
A-type Vitisin of Malvidin-3-O-glucoside	30.38	$C_{26}H_{25}O_{14}$	561.1227	-2.03	399.07
B-type Vitisin of Peonidin-3-O-glucoside	30.96	$C_{24}H_{23}O_{11}$	487.1231	-0.9	325.07
B-type Vitisin of Malvidin-3-O-glucoside	32.73	$C_{25}H_{25}O_{12}$	517.1330	-2.04	355.08
A-type Vitisin of Malvidin-3-O-acetylglucoside	34.44	$C_{28}H_{27}O_{15}$	603.1339	-0.89	399.07
A-type Vitisin of Malvidin-3-O-caffeoylglucoside	41.29	$C_{35}H_{31}O_{17}$	723.1551	-0.67	399.07
A-type Vitisin of Malvidin-3-O-coumaroylglucoside	47.4	$C_{35}H_{31}O_{16}$	707.1593	-1.93	399.07
B-type Vitisin of Petunidin-3-O-coumaroylglucoside	47.03	$C_{33}H_{29}O_{14}$	649.1547	-0.8	341.07

B-type Vitisin of Malvidin-3-O-coumaroylglucoside	50.29	$C_{34}H_{31}O_{14}$	663.1694	-2.11	355.08
Methylpyranomalvidin-3-O-coumaroylglucoside	54.8	$C_{35}H_{33}O_{14}$	677.1849	-2.28	369.1
Petunidin ethyl- C(E) isomer 1	33.74	$C_{39}H_{39}O_{18}$	795.2128	-0.4	343.08
Petunidin ethyl-C(E) isomer 2	35.46	$C_{39}H_{39}O_{18}$	795.2125	-0.72	343.08
Malvidin ethyl-C(E) isomer 1	35.84	$C_{40}H_{41}O_{18}$	809.2276	-1.41	357.10 – 331.08
Malvidin ethyl-C(E) isomer 2	37.47	$C_{40}H_{41}O_{19}$	809.2274	-1.71	357.10 – 331.09
Malvidin ethyl-C(E) isomer 3	40.83	$C_{40}H_{41}O_{20}$	809.2271	-2.02	357.10 – 331.10
Malvidin ethyl-C(E) isomer 4	43.58	$C_{40}H_{41}O_{21}$	809.2274	-1.63	357.10 – 331.11
Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 1	51.82	$C_{49}H_{47}O_{20}$	955.2637	-1.94	357.10 – 358.10
Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 2	52.46	$C_{49}H_{47}O_{20}$	955.2636	-2	357,10 – 358.11
Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 3	61.62	$C_{49}H_{47}O_{20}$	955.2640	-1.61	357.10 – 358.10
Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 4	65.64	$C_{49}H_{47}O_{20}$	955.2636	-2	357.10 – 358.10

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FLAVAN-3-OLS	**RT(min)**	**[Formula M-H]$^-$**	***m/z***	**Δ (ppm)**	***m/z* fragments**
(+)-Catechin	20.03	$C_{15}H_{13}O_6$	289.0715	-0.8	245.08 – 205.05 – 179.04 – 125.02
(-)-Epicatechin	25.25	$C_{15}H_{13}O_6$	289.0715	-0.8	245.05 – 205.05 – 179.04 – 125.02
Catechin 3-O-gallate	36.92	$C_{22}H_{17}O_{10}$	441.0822	-1.09	169.01 – 289.07 – 271.06
Epicatechin 3-O-gallate	38.1	$C_{22}H_{17}O_{10}$	441.0825	-0.45	169.01 – 289.07 – 271.06 – 245.08
Procyanidin dimer B type isomer 1	16.29	$C_{30}H_{25}O_{12}$	577.1346	-0.99	407.08 – 289.07
Procyanidin dimer B type isomer 2	18.02	$C_{30}H_{25}O_{12}$	577.1348	-0.55	407.08 – 289.07
Procyanidin dimer B type isomer 3	21.42	$C_{30}H_{25}O_{12}$	577.1346	-0.88	407.08 – 289.07
Procyanidin dimer B type isomer 4	22.32	$C_{30}H_{25}O_{12}$	577.1346	-0.99	407.08 – 289.07
Procyanidin dimer gallate isomer 1	28.13	$C_{37}H_{29}O_{16}$	729.1455	-0.82	289.07 – 407.08 – 271.06
Procyanidin dimer gallate isomer 2	48.06	$C_{37}H_{29}O_{16}$	729.1461	-0.07	289.07 – 407.08 – 271.06
Procyanidin trimer B type isomer 1	19.33	$C_{45}H_{37}O_{18}$	865.1977	-0.98	695.15 – 407.08 – 289.07 – 243.03 – 525.08

Procyanidin trimer B type isomer 2	19.93	$C_{45}H_{37}O_{18}$	865.1979	-0.69	695.15 – 407.08 – 289.07 – 243.03 – 525.08
Procyanidin trimer B type isomer 3	20.79	$C_{45}H_{37}O_{18}$	865.1981	-0.48	695.15 – 407.08 – 289.07 – 243.03 – 525.08
Procyanidin trimer B type isomer 4	21.74	$C_{45}H_{37}O_{18}$	865.1980	-0.62	695.15 – 407.08 – 289.07 – 243.03 – 525.08
Procyanidin trimer B type isomer 5	25.69	$C_{45}H_{37}O_{18}$	865.1984	-0.12	695.15 – 407.08 – 289.07 – 243.03 – 525.08
Procyanidin trimer B type isomer 6	26.56	$C_{45}H_{37}O_{18}$	865.1976	-1.05	695.15 – 407.08 – 289.07 – 243.03 – 525.08
Procyanidin trimer B type isomer 7	28.53	$C_{45}H_{37}O_{18}$	865.1982	-0.41	695.15 – 407.08 – 289.07 – 243.03 – 525.08

PHENOLI ACIDS	**RT(min)**	**[Formula M-H]$^-$**	***m/z***	**Δ (ppm)**	***m/z* fragments**
Gallic acid hexoside	10.6	$C_{13}H_{15}O_{10}$	331.0669	-0.63	169.01 – 125.02

STILBENS	**RT(min)**	**[Formula M-H]$^-$**	***m/z***	**Δ (ppm)**	***m/z* fragments**

Resveratrol tetramer	70.16	$C_{56}H_{41}O_{12}$	905.2600	-0.51	359.09 – 451.12 – 717.18 – 811.22
Resveratrol dimer	71.18	$C_{28}H_{21}O_6$	453.1339	-1.0	435.12 – 369.11 – 359.09 – 333.08
Resveratrol trimer	72.24	$C_{42}H_{31}O_9$	679.1973	-0.13	585.16 – 479.11 – 421.11

FLAVONOLS	**RT(min)**	**[Formula M-H]$^-$**	***m/z***	**Δ (ppm)**	***m/z* fragments**
Quercetin 3-O-hexoside	39.10	$C_{21}H_{19}O_{12}$	463.0879	-0.6	301.08 – 179.04
Quercetin 3-O-hexuronide	39.30	$C_{21}H_{17}O_{13}$	477.0670	-0.99	301.04
Quercetin	68.22	$C_{15}H_9O_7$	301.0352	-0.72	179.97

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Table S2. Quantification (mg/g of DW) of the identified compounds by LC-MS/MS of all the conventional and green extracts of Aglianico grape pomace.

ANTHOCYANINS

	Delphinidin-3-O-glucoside	Petunidin-3-O-glucoside	Peonidin-3-O-glucoside	Malvidin-3-O-glucoside	Malvidin-3-O-acetylglucoside	Peonidin-3-O-caffeoylglucoside
AC_MA	0.047 ± 0.000 e	0.077 ± 0.000 e	0.040 ± 0.000 e	1.085 ± 0.000 e	0.132 ± 0.000 d	0.008 ± 0.000 ef
FO_MA	0.016 ± 0.000 i	0.037 ± 0.000 h	0.002 ± 0.000 l	0.588 ± 0.000 i	0.063 ± 0.000 i	0.003 ± 0.000 g
ME_MA	0.008 ± 0.000 l	0.023 ± 0.000 i	0.004 ± 0.000 i	0.370 ± 0.000 l	0.043 ± 0.000 l	0.002 ± 0.000 g
AC_UT	0.033 ± 0.000 f	0.021 ± 0.000 l	0.027 ± 0.000 f	0.975 ± 0.001 f	0.126 ± 0.000 e	0.002 ± 0.000 g
FO_UT	0.022 ± 0.000 h	0.056 ± 0.000 f	0.007 ± 0.000 h	0.935 ± 0.001 g	0.105 ± 0.001 f	0.006 ± 0.001 f
ME_UT	0.026 ± 0.000 g	0.054 ± 0.000 g	0.015 ± 0.000 g	0.925 ± 0.000 h	0.089 ± 0.000 g	0.007 ± 0.001 ef
RT_ChM	0.436 ± 0.002 b	0.886 ± 0.004 c	0.177 ± 0.003 c	12.979 ± 0.006 c	1.591 ± 0.004 a	0.119 ± 0.008 b
RT_ChO	0.664 ± 0.000 a	1.405 ± 0.003 a	0.201 ± 0.003 b	20.016 ± 0.005 a	0.171 ± 0.008 c	0.139 ± 0.003 a
T40_ChM	0.118 ± 0.005 d	0.655 ± 0.002 d	0.098 ± 0.003 d	8.791 ± 0.004 d	0.987 ± 0.004 b	0.075 ± 0.004 d
T40_ChO	0.163 ± 0.005 c	1.030 ± 0.004 b	0.303 ± 0.006 a	14.789 ± 0.001 b	0.080 ± 0.004 h	0.103 ± 0.006 c

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	Malvidin-3-O-caffeoylglucoside		**Delphinidin-3-O-coumaroylglucoside**		**Petunidin-3-O-coumaroylglucoside**		**(cis)-Peonidin-3-O-coumaroylglucoside**		**(cis)-Malvidin-3-O-coumaroylglucoside**		**(trans)-Peonidin-3-O-coumaroylglucoside**	
AC_MA	0.156 ± 0.000	e	0.193 ± 0.001	e	0.295 ± 0.000	e	0.007 ± 0.001	de	0.162 ± 0.000	h	0.204 ± 0.001	e
FO_MA	0.062 ± 0.000	i	0.063 ± 0.000	i	0.106 ± 0.000	i	0.002 ± 0.000	e	0.058 ± 0.000	l	0.066 ± 0.000	i
ME_MA	0.037 ± 0.000	l	0.024 ± 0.000	l	0.045 ± 0.000	l	0.002 ± 0.000	e	0.061 ± 0.000	i	0.037 ± 0.000	l
AC_UT	0.150 ± 0.000	f	0.176 ± 0.000	f	0.280 ± 0.000	f	0.008 ± 0.000	d	0.200 ± 0.000	g	0.193 ± 0.000	f
FO_UT	0.126 ± 0.000	h	0.073 ± 0.000	h	0.150 ± 0.000	h	0.008 ± 0.000	d	0.211 ± 0.000	f	0.140 ± 0.000	g
ME_UT	0.141 ± 0.000	g	0.096 ± 0.000	g	0.168 ± 0.000	g	0.014 ± 0.001	c	0.335 ± 0.000	e	0.125 ± 0.000	h
RT_ChM	2.492 ± 0.005	b	3.007 ± 0.002	b	4.958 ± 0.003	b	0.132 ± 0.004	a	2.930 ± 0.005	a	4.029 ± 0.004	a
RT_ChO	2.843 ± 0.006	a	3.400 ± 0.008	a	5.814 ± 0.002	a	0.102 ± 0.002	b	2.526 ± 0.003	b	4.000 ± 0.006	b
T40_ChM	1.444 ± 0.003	d	1.767 ± 0.005	d	2.644 ± 0.007	d	0.023 ± 0.005	bc	0.680 ± 0.005	d	1.824 ± 0.007	d
T40_ChO	2.043 ± 0.004	c	2.461 ± 0.002	c	4.110 ± 0.003	c	0.024 ± 0.004	bc	0.719 ± 0.008	c	2.756 ± 0.003	c

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	(trans)-Malvin-3-O-coumaroylglucoside	A-type Vitisin of Petunidin-3-O-glucoside	A-type Vitisin of Peonidin-3-O-glucoside	A-type Vitisin of Malvidin-3-O-glucoside	B-type Vitisin of Peonidin-3-O-glucoside	B-type Vitisin of Malvidin-3-O-glucoside
AC_MA	4.134 ± 0.000 e	0.030 ± 0.000 e	0.027 ± 0.000 f	0.404 ± 0.000 h	0.024 ± 0.000 e	0.382 ± 0.000 f
FO_MA	1.829 ± 0.000 i	0.031 ± 0.000 d	0.031 ± 0.000 d	0.494 ± 0.000 f	0.012 ± 0.001 i	0.195 ± 0.001 i
ME_MA	0.938 ± 0.000 l	0.011 ± 0.000 h	0.011 ± 0.000 h	0.169 ± 0.000 l	0.005 ± 0.000 l	0.084 ± 0.001 l
AC_UT	3.949 ± 0.000 f	0.025 ± 0.000 g	0.025 ± 0.000 g	0.375 ± 0.000 i	0.021 ± 0.000 g	0.298 ± 0.000 g
FO_UT	3.267 ± 0.000 g	0.028 ± 0.000 f	0.029 ± 0.001 e	0.430 ± 0.000 g	0.018 ± 0.000 h	0.283 ± 0.000 h
ME_UT	2.927 ± 0.000 h	0.034 ± 0.000 c	0.038 ± 0.001 c	0.612 ± 0.000 e	0.022 ± 0.000 f	0.391 ± 0.000 e
RT_ChM	77.814 ± 0.007 b	0.332 ± 0.004 a	0.347 ± 0.007 a	5.842 ± 0.003 a	0.339 ± 0.005 b	6.210 ± 0.009 a
RT_ChO	82.551 ± 0.005 a	0.333 ± 0.004 a	0.348 ± 0.006 a	5.814 ± 0.007 b	0.349 ± 0.002 a	6.173 ± 0.005 b
T40_ChM	36.696 ± 0.007 d	0.199 ± 0.006 b	0.212 ± 0.005 b	3.666 ± 0.005 d	0.212 ± 0.004 d	3.702 ± 0.008 d
T40_ChO	55.950 ± 0.005 c	0.258 ± 0.006 a	0.265 ± 0.003 a	4.567 ± 0.005 c	0.268 ± 0.003 c	4.915 ± 0.005 c

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	A-type Vitisin of Malvidin-3-O-acetylglucoside	**A-type Vitisin of Malvidin-3-O-caffeoylglucoside**	**A-type Vitisin of Malvidin-3-O-coumaroylglucoside**	**B-type Vitisin of Petunidin-3-O-coumaroylglucoside**	**B-type Vitisin of Malvidin-3-O-coumaroylglucoside**	**Methylpyranomalvidin-3-O-coumaroylglucoside**
AC_MA	0.036 ± 0.001 e	0.013 ± 0.000 ef	0.061 ± 0.000 h	0.012 ± 0.000 de	0.185 ± 0.001 e	0.203 ± 0.000 a
FO_MA	0.036 ± 0.000 e	0.010 ± 0.001 g	0.052 ± 0.000 i	0.004 ± 0.000 f	0.046 ± 0.000 i	0.001 ± 0.000 f
ME_MA	0.013 ± 0.001 h	0.005 ± 0.000 h	0.033 ± 0.000 l	0.002 ± 0.000 g	0.024 ± 0.000 l	0.000 ± 0.000 g
AC_UT	0.017 ± 0.000 fg	0.014 ± 0.000 ef	0.072 ± 0.000 f	0.012 ± 0.000 de	0.177 ± 0.000 g	0.018 ± 0.000 cd
FO_UT	0.033 ± 0.000 f	0.012 ± 0.000 f	0.070 ± 0.001 g	0.007 ± 0.000 e	0.100 ± 0.000 h	0.002 ± 0.001 def
ME_UT	0.049 ± 0.000 d	0.020 ± 0.000 e	0.126 ± 0.000 e	0.014 ± 0.000 d	0.180 ± 0.000 f	0.002 ± 0.000 ef
RT_ChM	0.507 ± 0.004 a	0.292 ± 0.007 a	2.093 ± 0.000 a	0.287 ± 0.008 a	4.973 ± 0.007 a	0.042 ± 0.005 b
RT_ChO	0.080 ± 0.002 c	0.267 ± 0.006 b	1.929 ± 0.002 b	0.298 ± 0.006 a	4.177 ± 0.000 b	0.017 ± 0.004 cde
T40_ChM	0.267 ± 0.002 b	0.160 ± 0.005 d	0.944 ± 0.004 d	0.187 ± 0.005 c	2.135 ± 0.004 d	0.020 ± 0.005 cd
T40_ChO	0.013 ± 0.004 fg	0.206 ± 0.003 c	1.400 ± 0.004 c	0.221 ± 0.006 b	2.835 ± 0.004 c	0.034 ± 0.002 c

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	Petunidin ethyl- C(E) isomer 1	Petunidin ethyl-C(E) isomer 2	Malvidin ethyl-C(E) isomer 1	Malvidin ethyl-C(E) isomer 2	Malvidin ethyl-C(E) isomer 3	Malvidin ethyl-C(E) isomer 4
AC_MA	0.008 ± 0.000 bc	0.007 ± 0.000 c	0.048 ± 0.000 e	0.085 ± 0.000 e	0.139 ± 0.000 e	0.117 ± 0.000 e
FO_MA	0.007 ± 0.000 cd	0.005 ± 0.000 e	0.027 ± 0.000 h	0.045 ± 0.000 h	0.062 ± 0.000 h	0.060 ± 0.000 h
ME_MA	0.002 ± 0.001 f	0.001 ± 0.000 g	0.010 ± 0.001 l	0.015 ± 0.000 l	0.024 ± 0.000 l	0.025 ± 0.000 l
AC_UT	0.006 ± 0.000 d	0.005 ± 0.000 e	0.036 ± 0.000 f	0.066 ± 0.000 f	0.099 ± 0.000 f	0.083 ± 0.001 f
FO_UT	0.005 ± 0.000 e	0.003 ± 0.000 f	0.017 ± 0.001 i	0.034 ± 0.000 i	0.050 ± 0.000 i	0.047 ± 0.000 i
ME_UT	0.007 ± 0.000 cd	0.006 ± 0.000 d	0.033 ± 0.000 g	0.056 ± 0.000 g	0.084 ± 0.000 g	0.077 ± 0.000 g
RT_ChM	0.072 ± 0.004 a	0.055 ± 0.004 a	0.500 ± 0.004 a	0.781 ± 0.005 a	0.970 ± 0.003 a	0.839 ± 0.001 a
RT_ChO	0.043 ± 0.003 ab	0.031 ± 0.008 bc	0.259 ± 0.004 d	0.429 ± 0.001 d	0.557 ± 0.003 d	0.399 ± 0.005 d
T40_ChM	0.052 ± 0.008 ab	0.054 ± 0.005 ab	0.381 ± 0.001 b	0.621 ± 0.005 b	0.814 ± 0.006 b	0.757 ± 0.004 b
T40_ChO	0.045 ± 0.004 ab	0.035 ± 0.002 abc	0.270 ± 0.006 c	0.474 ± 0.004 c	0.610 ± 0.005 c	0.430 ± 0.002 c

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	Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 1		**Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 2**		**Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 3**		**Malvidin-3-(6-O-p-coumaroylglucoside)-8-ethyl-C(E) isomer 4**	
AC_MA	0.285 ± 0.000	f	0.207 ± 0.000	e	0.080 ± 0.001	c	0.140 ± 0.001	e
FO_MA	0.230 ± 0.000	g	0.159 ± 0.001	h	0.037 ± 0.000	f	0.075 ± 0.000	h
ME_MA	0.055 ± 0.000	l	0.044 ± 0.000	l	0.014 ± 0.000	h	0.021 ± 0.000	l
AC_UT	0.286 ± 0.000	e	0.203 ± 0.000	f	0.059 ± 0.000	d	0.110 ± 0.000	f
FO_UT	0.194 ± 0.000	i	0.135 ± 0.000	i	0.035 ± 0.000	g	0.068 ± 0.000	i
ME_UT	0.224 ± 0.000	h	0.171 ± 0.000	g	0.050 ± 0.000	e	0.083 ± 0.000	g
RT_ChM	3.210 ± 0.004	a	2.849 ± 0.004	a	0.976 ± 0.005	a	1.832 ± 0.004	a
RT_ChO	0.822 ± 0.008	c	0.527 ± 0.003	c	0.214 ± 0.004	bc	0.578 ± 0.006	c
T40_ChM	1.800 ± 0.006	b	1.562 ± 0.003	b	0.559 ± 0.002	b	1.113 ± 0.004	b
T40_ChO	0.701 ± 0.000	d	0.420 ± 0.004	d	0.208 ± 0.005	bc	0.145 ± 0.003	d

SUPPLEMENTARY DATA
Francesco, E., Azevedo, J., Basile, B., De Freitas, V., Forino, M., Mataffo, A., … Soares, S. (2025). New advancements in conventional and DES-based extraction of phenolic compounds from Aglianico red grape pomace. *OENO One, 59*(2).
https://doi.org/10.20870/oeno-one.2025.59.2.9277

FLAVAN-3-OLS

	Catechin		Epicatechin		Catechin 3-O-gallate		Epicatechin 3-O-gallate		Procyanidin dimer B type isomer 1		Procyanidin dimer B type isomer 2	
AC_MA	0.027 ± 0.001	e	0.025 ± 0.001	ef	0.003 ± 0.000	cde	0.000 ± 0.000	abcd	0.007 ± 0.000	de	0.003 ± 0.001	cd
FO_MA	0.021 ± 0.000	h	0.019 ± 0.000	g	0.002 ± 0.000	fg	0.000 ± 0.000	cd	0.002 ± 0.000	g	0.002 ± 0.000	ef
ME_MA	0.010 ± 0.000	i	0.009 ± 0.000	h	0.000 ± 0.000	g	0.000 ± 0.000	cd	0.001 ± 0.000	h	0.000 ± 0.000	f
AC_UT	0.022 ± 0.000	g	0.020 ± 0.000	fg	0.003 ± 0.000	def	0.000 ± 0.000	bcd	0.006 ± 0.001	de	0.003 ± 0.000	cde
FO_UT	0.022 ± 0.000	g	0.019 ± 0.001	fg	0.002 ± 0.000	efg	0.000 ± 0.000	d	0.003 ± 0.000	f	0.002 ± 0.000	ef
ME_UT	0.024 ± 0.000	f	0.025 ± 0.000	e	0.003 ± 0.000	de	0.001 ± 0.001	cd	0.005 ± 0.000	e	0.002 ± 0.000	def
RT_ChM	0.235 ± 0.007	a	0.204 ± 0.001	a	0.033 ± 0.002	abc	0.003 ± 0.001	abc	0.050 ± 0.005	c	0.028 ± 0.004	ab
RT_ChO	0.193 ± 0.001	c	0.171 ± 0.005	c	0.079 ± 0.005	ab	0.002 ± 0.002	abcd	0.080 ± 0.007	a	0.037 ± 0.003	a
T40_ChM	0.212 ± 0.004	b	0.188 ± 0.004	b	0.031 ± 0.004	bcd	0.004 ± 0.003	ab	0.040 ± 0.003	d	0.024 ± 0.002	bc
T40_ChO	0.166 ± 0.004	d	0.122 ± 0.004	d	0.079 ± 0.006	a	0.005 ± 0.003	a	0.065 ± 0.003	b	0.028 ± 0.002	ab

SUPPLEMENTARY DATA
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	Procyanidin dimer B type isomer 3	Procyanidin dimer B type isomer 4	Procyanidin dimer gallate isomer 1	Procyanidin dimer gallate isomer 2	Procyanidin trimer B type isomer 1	Procyanidin trimer B type isomer 2
AC_MA	0.004 ± 0.000 b	0.009 ± 0.000 bc	0.006 ± 0.000 cd	0.000 ± 0.000 abc	0.002 ± 0.000 cd	0.001 ± 0.000 cd
FO_MA	0.002 ± 0.000 c	0.003 ± 0.000 e	0.003 ± 0.000 e	0.000 ± 0.000 abc	0.000 ± 0.000 e	0.000 ± 0.000 d
ME_MA	0.001 ± 0.000 d	0.002 ± 0.001 f	0.001 ± 0.000 f	0.000 ± 0.000 c	0.000 ± 0.000 e	0.000 ± 0.000 d
AC_UT	0.003 ± 0.000 bc	0.007 ± 0.000 cd	0.005 ± 0.000 cd	0.000 ± 0.000 bc	0.001 ± 0.000 de	0.001 ± 0.000 d
FO_UT	0.002 ± 0.000 bc	0.004 ± 0.001 d	0.004 ± 0.000 d	0.000 ± 0.000 bc	0.001 ± 0.000 e	0.000 ± 0.000 d
ME_UT	0.003 ± 0.001 bc	0.007 ± 0.000 cd	0.006 ± 0.000 cd	0.001 ± 0.000 abc	0.001 ± 0.001 de	0.000 ± 0.000 d
RT_ChM	0.038 ± 0.006 a	0.068 ± 0.005 ab	0.046 ± 0.007 a	0.006 ± 0.006 abc	0.016 ± 0.003 bc	0.005 ± 0.002 bcd
RT_ChO	0.036 ± 0.003 a	0.093 ± 0.005 a	0.038 ± 0.004 a	0.008 ± 0.005 ab	0.033 ± 0.005 a	0.016 ± 0.005 a
T40_ChM	0.038 ± 0.006 a	0.064 ± 0.005 ab	0.028 ± 0.005 b	0.005 ± 0.003 abc	0.008 ± 0.006 cd	0.006 ± 0.002 bc
T40_ChO	0.021 ± 0.005 a	0.070 ± 0.006 ab	0.020 ± 0.001 c	0.007 ± 0.002 a	0.022 ± 0.006 b	0.009 ± 0.000 b

	Procyanidin trimer B type isomer 3	Procyanidin trimer B type isomer 4	Procyanidin trimer B type isomer 5	Procyanidin trimer B type isomer 6	Procyanidin trimer B type isomer 7
AC_MA	0.001 ± 0.000 b	0.000 ± 0.000 b	0.001 ± 0.000 ab	0.003 ± 0.000 cd	0.000 ± 0.000 ab
FO_MA	0.000 ± 0.000 b	0.000 ± 0.000 b	0.000 ± 0.000 b	0.001 ± 0.001 e	0.000 ± 0.000 b

ME_MA	0.000	±	0.000	b	0.000	±	0.000	b	0.000	±	0.000	ab	0.001	±	0.000	e	0.000	±	0.000	ab
AC_UT	0.001	±	0.000	ab	0.001	±	0.000	b	0.001	±	0.000	ab	0.002	±	0.001	de	0.000	±	0.000	ab
FO_UT	0.000	±	0.000	b	0.000	±	0.000	b	0.000	±	0.000	ab	0.001	±	0.001	e	0.000	±	0.000	ab
ME_UT	0.001	±	0.000	b	0.000	±	0.000	b	0.001	±	0.001	ab	0.002	±	0.000	de	0.000	±	0.000	ab
RT_ChM	0.005	±	0.003	a	0.003	±	0.002	ab	0.004	±	0.003	a	0.027	±	0.004	ab	0.003	±	0.003	ab
RT_ChO	0.011	±	0.005	a	0.011	±	0.005	a	0.003	±	0.002	ab	0.032	±	0.003	a	0.005	±	0.004	a
T40_ChM	0.004	±	0.003	ab	0.009	±	0.004	a	0.002	±	0.001	ab	0.019	±	0.004	bc	0.002	±	0.003	ab
T40_ChO	0.006	±	0.006	a	0.015	±	0.005	a	0.002	±	0.002	ab	0.022	±	0.003	abc	0.002	±	0.002	ab

PHENOLIC ACIDS

Gallic acid hexoside

AC_MA	0.033	±	0.001	de
FO_MA	0.038	±	0.000	cd
ME_MA	0.008	±	0.001	e
AC_UT	0.033	±	0.001	de
FO_UT	0.033	±	0.001	de
ME_UT	0.033	±	0.000	de

RT_ChM	0.253	±	0.006	bc
RT_ChO	0.292	±	0.009	a
T40_ChM	0.257	±	0.002	abc
T40_ChO	0.287	±	0.004	ab

STILBENS

Resveratrol tetramer

AC_MA	0.051	±	0.000	e
FO_MA	0.048	±	0.000	f
ME_MA	0.009	±	0.000	l
AC_UT	0.041	±	0.000	g
FO_UT	0.035	±	0.000	h
ME_UT	0.030	±	0.000	i
RT_ChM	0.238	±	0.007	a
RT_ChO	0.156	±	0.005	b
T40_ChM	0.092	±	0.005	c
T40_ChO	0.082	±	0.002	d

FLAVONOLS

	Quercetin 3-O-hexoside		Quercetin 3-O-hexuronide		Quercetin		Syringetin-3-O-glucoside	
AC_MA	0.001 ± 0.000	bc	0.025 ± 0.000	c	0.052 ± 0.000	f	0.080 ± 0.000	h
FO_MA	0.001 ± 0.000	c	0.022 ± 0.000	cd	0.040 ± 0.000	h	0.088 ± 0.000	f
ME_MA	0.001 ± 0.000	bc	0.005 ± 0.000	e	0.010 ± 0.000	l	0.025 ± 0.000	l
AC_UT	0.001 ± 0.001	bc	0.021 ± 0.000	cd	0.050 ± 0.000	g	0.076 ± 0.000	i
FO_UT	0.001 ± 0.000	bc	0.018 ± 0.000	cd	0.033 ± 0.000	i	0.084 ± 0.000	g
ME_UT	0.002 ± 0.000	bc	0.021 ± 0.000	cd	0.070 ± 0.000	e	0.098 ± 0.000	e
RT_ChM	0.003 ± 0.005	bc	0.275 ± 0.001	a	0.359 ± 0.003	c	0.639 ± 0.007	a
RT_ChO	0.013 ± 0.003	b	0.268 ± 0.004	ab	0.616 ± 0.009	a	0.532 ± 0.005	b
T40_ChM	0.006 ± 0.004	bc	0.225 ± 0.005	b	0.212 ± 0.004	d	0.412 ± 0.006	c
T40_ChO	0.023 ± 0.001	a	0.270 ± 0.002	ab	0.479 ± 0.004	b	0.355 ± 0.004	d

Abbreviation: AC, Methanol/Water + Acetone/Water pH_2 (50:50 + 70:30 *v/v*); FO, Methanol/Formic acid/Water (80:1:19 *v/v/v);* ME, Methanol/water (80:20 *v/v*); ChO, Choline chloride:oxalic acid (1:1 25 % H_2O); ChM, Choline chloride:malic acid (1.5:1 50 % H_2O); RT; room temperature; T40, 40 °C; MA; magnetic stirrer agitation; UT, ultra-turrax agitation. Different letters indicate a statistically significant difference between the solvents (a, b, c, d, e, f, g, h, i, l) (*e.g.*, AC_MA *vs.* AC_FO *vs.* RTChM *vs.* RTChO). The data are expressed as means ± standard deviation, ($p < 0.05$) over four replications.