

## Table

**Table S1** Volatile compounds identified in RSF *Daqu* samples.

Code	Compounds	Concentration (mg/kg)			
		A0	A1	A2	A3
<b>Alcohols (6)</b>					
V1	1-Octen-3-ol	0.0215±0.0028 <sup>b</sup>	0.0110±0.0027 <sup>a</sup>	0.0398±0.0010 <sup>c</sup>	0.0386±0.0007 <sup>c</sup>
V2	Phenylethyl alcohol	0.2298±0.0309 <sup>a</sup>	0.3928±0.0719 <sup>b</sup>	0.3783±0.0390 <sup>b</sup>	0.4081±0.0031 <sup>b</sup>
V3	Ledol	0.1085±0.0150 <sup>a</sup>	0.1135±0.0274 <sup>ab</sup>	0.1368±0.0008 <sup>b</sup>	0.1327±0.0050 <sup>b</sup>
V4	1-Pentanol, 4-methyl-	0.0147±0.0012 <sup>a</sup>	0.0188±0.0011 <sup>bc</sup>	0.0184±0.0001 <sup>b</sup>	0.0204±0.0028 <sup>bc</sup>
V5	2,2,4-Trimethyl-1,3-pentanediol	0.0260±0.0031 <sup>c</sup>	0.0195±0.0027 <sup>b</sup>	0.0148±0.0005 <sup>a</sup>	0.0136±0.0012 <sup>a</sup>
V6	2,4,7,9-Tetramethyl-5-decyn-4,7-diol	nd <sup>*</sup>	nd	0.0161±0.0001 <sup>a</sup>	0.0156±0.0005 <sup>a</sup>
<b>Σ</b>		<b>0.4005</b>	<b>0.5556</b>	<b>0.6042</b>	<b>0.6290</b>
<b>Esters (7)</b>					
V7	p-Toluic acid, 2-ethylhexyl ester	0.0095±0.0003 <sup>b</sup>	0.0080±0.0015 <sup>b</sup>	0.0054±0.0010 <sup>a</sup>	0.0061±0.0001 <sup>a</sup>
V8	Phthalic acid, hept-4-yl isobutyl ester	0.0661±0.0086 <sup>a</sup>	0.0741±0.0120 <sup>a</sup>	0.0740±0.0011 <sup>a</sup>	0.0728±0.0006 <sup>a</sup>
V9	Dibutyl phthalate	0.1101±0.0203 <sup>a</sup>	0.1189±0.0063 <sup>a</sup>	0.1375±0.0113 <sup>a</sup>	0.1228±0.0096 <sup>a</sup>
V10	Hexadecanoic acid, ethyl ester	0.0631±0.0183 <sup>ab</sup>	0.0562±0.0061 <sup>a</sup>	0.0668±0.0008 <sup>b</sup>	0.0608±0.0077 <sup>a</sup>
V11	9,12-Octadecadienoic acid, ethyl ester	0.0387±0.0130 <sup>ab</sup>	0.0313±0.0027 <sup>a</sup>	0.0390±0.0010 <sup>b</sup>	0.0413±0.0042 <sup>b</sup>
V12	(E)-9-Octadecenoic acid ethyl ester	0.0456±0.0178 <sup>ab</sup>	0.0266±0.0072 <sup>a</sup>	0.0418±0.0076 <sup>b</sup>	0.0359±0.0008 <sup>b</sup>
V13	2-Propanol, 1-chloro-, phosphate (3:1)	0.0082±0.0020	nd	nd	nd
<b>Σ</b>		<b>0.3413</b>	<b>0.3151</b>	<b>0.3645</b>	<b>0.3397</b>
<b>Aldehydes (6)</b>					
V14	Hexanal	0.0378±0.0079 <sup>a</sup>	0.1157±0.0194 <sup>b</sup>	0.1358±0.0156 <sup>b</sup>	0.1218±0.0043 <sup>b</sup>
V15	Benzaldehyde	0.0406±0.0032 <sup>a</sup>	0.0530±0.0194 <sup>ab</sup>	0.0595±0.0011 <sup>b</sup>	0.0590±0.0005 <sup>b</sup>
V16	Benzeneacetaldehyde	0.0628±0.0067 <sup>a</sup>	0.0700±0.0026 <sup>a</sup>	0.0657±0.0022 <sup>a</sup>	0.0673±0.0010 <sup>a</sup>
V17	2-Octenal, (E)-	0.0249±0.0063 <sup>b</sup>	0.0208±0.0002 <sup>b</sup>	0.0159±0.0006 <sup>a</sup>	0.0151±0.0005 <sup>a</sup>
V18	Nonanal	0.0287±0.0054 <sup>b</sup>	0.0276±0.0036 <sup>b</sup>	0.0158±0.0003 <sup>a</sup>	0.0149±0.0009 <sup>a</sup>
V19	2-Nonenal, (E)-	0.0402±0.0214 <sup>b</sup>	0.0126±0.0032 <sup>a</sup>	0.0170±0.0014 <sup>a</sup>	0.0152±0.0010 <sup>a</sup>

$\Sigma$		<b>0.2350</b>	<b>0.2997</b>	<b>0.3097</b>	<b>0.2933</b>
<b><i>Benzodiazepines (3)</i></b>					
V20	Naphthalene, 2-methyl-	0.0217±0.0003 <sup>b</sup>	0.0153±0.0028 <sup>a</sup>	0.0152±0.0003 <sup>a</sup>	0.0144±0.0009 <sup>a</sup>
V21	Benzene, 4-ethenyl-1,2-dimethoxy-	nd	0.012±0.0031	nd	nd
V22	Naphthalene, 1,7-dimethyl-	0.0302±0.0025 <sup>b</sup>	0.0242±0.0096 <sup>b</sup>	0.0078±0.0001 <sup>a</sup>	0.0076±0.0003 <sup>a</sup>
$\Sigma$		<b>0.0519</b>	<b>0.0515</b>	<b>0.0230</b>	<b>0.0220</b>
<b><i>Nitrogen-containing compounds (1)</i></b>					
V23	Pyrazine, tetramethyl-	0.0199±0.0027 <sup>a</sup>	0.0790±0.0195 <sup>d</sup>	0.0339±0.0096 <sup>b</sup>	0.0577±0.0059 <sup>cd</sup>
<b><i>Ketones (5)</i></b>					
V24	Acetophenone	0.0084±0.0022	nd	nd	nd
V25	2-Undecanone	0.0170±0.0038 <sup>b</sup>	0.0128±0.0033 <sup>ab</sup>	0.0101±0.0008 <sup>a</sup>	0.0088±0.0011 <sup>a</sup>
V26	2-Pentadecanone, 6,10,14-trimethyl-	nd	0.0072±0.0005 <sup>a</sup>	0.0069±0.0002 <sup>a</sup>	0.0071±0.0005 <sup>a</sup>
V27	2(3H)-Furanone, dihydro-5-pentyl-	0.0136±0.0004 <sup>b</sup>	nd	0.0089±0.0005 <sup>a</sup>	0.0085±0.0001 <sup>a</sup>
V28	2-Dodecen-1-yl(-)succinic anhydride	nd	0.0092±0.0044	nd	nd
$\Sigma$		<b>0.0390</b>	<b>0.0292</b>	<b>0.0259</b>	<b>0.0244</b>
<b><i>Phenols (1)</i></b>					
V29	2-Methoxy-4-vinylphenol	0.0381±0.0084 <sup>b</sup>	nd	0.0199±0.0034 <sup>a</sup>	0.0181±0.0008 <sup>a</sup>
<b><i>Alkane (4)</i></b>					
V30	Tetradecane	0.0269±0.0025 <sup>c</sup>	0.0217±0.0029 <sup>b</sup>	0.0113±0.0006 <sup>a</sup>	0.0108±0.0002 <sup>a</sup>
V31	Tetradecane, 3-methyl-	0.0219±0.0016 <sup>b</sup>	0.0208±0.0032 <sup>b</sup>	0.0044±0.0002 <sup>a</sup>	0.0045±0.0001 <sup>a</sup>
V32	Pentadecane	0.0265±0.0024 <sup>b</sup>	0.0266±0.0053 <sup>b</sup>	0.0115±0.0004 <sup>a</sup>	0.0109±0.0004 <sup>a</sup>
V33	Hexadecane	0.0113±0.0010 <sup>bc</sup>	0.0132±0.0012 <sup>c</sup>	0.0099±0.0013 <sup>ab</sup>	0.0084±0.0008 <sup>a</sup>
$\Sigma$		<b>0.0866</b>	<b>0.0823</b>	<b>0.0371</b>	<b>0.0346</b>
<b><i>Alkene (1)</i></b>					
V34	Caryophyllene	nd	nd	0.0207±0.0006 <sup>a</sup>	0.0236±0.0047 <sup>b</sup>

Note: Same letters in the column do not differ significantly at 5% probability by Tukey test. A0, at the beginning of aging; A1, after one month of aging; A2, after two months of aging; A3, after three months of aging. \* nd, not detected.