

**Supplementary Table S1.** Content of volatile compounds in dry-cured meat with the addition of different low-sodium salts.

			Content (µg/kg)				
	RI	Volatile compounds	S	SPMA	SPM	SP	SM
Aldehydes							
1	913	3-Methylbutanal	7.25±1.56 <sup>AB</sup>	5.80±0.53 <sup>B</sup>	11.30±2.59 <sup>AB</sup>	9.94±1.74 <sup>AB</sup>	18.27±2.71 <sup>A</sup>
2	933	2-Methylbutyral	6.78±1.49 <sup>AB</sup>	5.29±0.27 <sup>B</sup>	9.87±1.96 <sup>AB</sup>	11.37±1.12 <sup>AB</sup>	18.03±2.94 <sup>A</sup>
3	974	Pentanal	6.30±0.14 <sup>B</sup>	7.60±0.23 <sup>AB</sup>	10.23±2.07 <sup>AB</sup>	11.99±2.32 <sup>AB</sup>	18.61±2.81 <sup>A</sup>
4	1080	Hexanal	147.72±38.75 <sup>A</sup>	161.71±32.07 <sup>A</sup>	188.78±23.33 <sup>A</sup>	272.14±98.49 <sup>A</sup>	213.52±1.87 <sup>A</sup>
5	1182	Heptaldehyde	22.66±4.19 <sup>B</sup>	24.91±0.02 <sup>B</sup>	27.23±3.57 <sup>B</sup>	62.00±10.54 <sup>A</sup>	37.98±3.13 <sup>AB</sup>
6	1278	Octyl aldehyde	25.23±1.99 <sup>B</sup>	26.47±1.33 <sup>B</sup>	32.56±1.90 <sup>B</sup>	86.31±11.62 <sup>A</sup>	39.80±2.01 <sup>B</sup>
7	1380	1-Nonanal	48.00±2.43 <sup>B</sup>	56.39±0.59 <sup>B</sup>	73.83±6.53 <sup>B</sup>	120.54±12.08 <sup>A</sup>	75.31±2.22 <sup>B</sup>
8	1315	(E)-2-Heptanal	ND	6.84±0.79 <sup>A</sup>	8.43±0.80 <sup>A</sup>	ND	ND
9	1424	(E)-2-Octenal	4.64±1.10 <sup>A</sup>	4.27±2.63 <sup>A</sup>	9.43±0.94 <sup>A</sup>	7.34±0.64 <sup>A</sup>	6.15±2.28 <sup>A</sup>
10	1495	Decyl aldehyde	5.77±1.58 <sup>B</sup>	5.96±0.23 <sup>B</sup>	11.95±0.07 <sup>AB</sup>	18.56±3.17 <sup>A</sup>	9.95±0.65 <sup>AB</sup>
11	1508	Benzaldehyde	6.06±0.85 <sup>A</sup>	5.42±0.35 <sup>A</sup>	7.72±0.18 <sup>A</sup>	10.75±0.77 <sup>A</sup>	9.25±3.01 <sup>A</sup>
12	1529	(E)-2-Nonenal	1.99±0.19 <sup>B</sup>	2.34±0.10 <sup>B</sup>	5.14±0.24 <sup>A</sup>	6.76±1.28 <sup>A</sup>	2.28±0.16 <sup>B</sup>
13	2133	Hexadecanal	ND	ND	ND	ND	4.28±0.47
		Total	282.41±50.16 <sup>B</sup>	311.81±25.81 <sup>B</sup>	396.46±54.57 <sup>AB</sup>	617.68±143.78 <sup>A</sup>	457.40±20.30 <sup>AB</sup>
Alcohols							
14	1161	1-Penten-3-ol	ND	ND	ND	ND	2.99±0.38
15	1185	3-Methyl-1-butanol	ND	ND	3.22±0.27 <sup>A</sup>	ND	6.02±2.62 <sup>A</sup>
16	1260	1-Pentanol	21.83±2.38 <sup>A</sup>	16.66±0.12 <sup>A</sup>	21.92±3.33 <sup>A</sup>	25.96±7.48 <sup>A</sup>	24.60±2.94 <sup>A</sup>
17	1362	1-Hexanol	44.26±7.55 <sup>A</sup>	37.71±1.48 <sup>A</sup>	45.75±1.13 <sup>A</sup>	50.14±6.44 <sup>A</sup>	48.18±4.77 <sup>A</sup>
18	1430	1-Octen-3-ol	ND	ND	39.14±2.22 <sup>A</sup>	38.77±1.98 <sup>A</sup>	54.76±7.36 <sup>A</sup>

19	1447	1-Heptanol	8.64±1.13 <sup>B</sup>	8.47±0.03 <sup>B</sup>	11.11±0.11 <sup>B</sup>	14.76±0.19 <sup>B</sup>	29.58±2.85 <sup>A</sup>
20	1542	2,3-Butanediol	13.06±0.24 <sup>B</sup>	20.38±0.51 <sup>AB</sup>	23.19±1.93 <sup>A</sup>	18.11±0.61 <sup>AB</sup>	26.33±1.60 <sup>A</sup>
21	1567	1-octanol	ND	10.33±0.43 <sup>B</sup>	14.30±0.55 <sup>AB</sup>	19.12±0.74 <sup>A</sup>	14.90±1.64 <sup>AB</sup>
		Total	87.80±13.92 <sup>B</sup>	93.55±2.59 <sup>B</sup>	158.64±19.11 <sup>A</sup>	166.82±15.84 <sup>A</sup>	198.36±5.07 <sup>A</sup>
<b>Esters</b>							
22	910	Methyl isobutyrate	ND	ND	ND	ND	3.09±0.43
23	976	Methyl butyrate	2.95±0.58 <sup>B</sup>	6.39±1.19 <sup>B</sup>	5.32±1.41 <sup>B</sup>	1.89±0.33 <sup>B</sup>	20.66±3.80 <sup>A</sup>
24	1010	Methyl 2-methylbutyrate	9.12±3.24 <sup>AB</sup>	5.68±0.58 <sup>AB</sup>	6.63±2.14 <sup>AB</sup>	3.35±0.61 <sup>B</sup>	18.07±3.32 <sup>A</sup>
25	1018	Methyl Isovalerate	12.88±5.98 <sup>A</sup>	7.08±1.11 <sup>A</sup>	7.68±2.66 <sup>A</sup>	ND	21.02±3.63 <sup>A</sup>
26	1089	Methyl pentanoate	16.98±6.99 <sup>AB</sup>	20.85±3.09 <sup>A</sup>	13.78±2.25 <sup>AB</sup>	2.97±0.02 <sup>B</sup>	ND
27	1177	Methyl caproate	80.69±39.51 <sup>AB</sup>	126.10±0.38 <sup>AB</sup>	71.48±15.58 <sup>AB</sup>	15.20±3.55 <sup>B</sup>	149.75±27.24 <sup>A</sup>
28	1223	Ethyl caproate	2.06±0.52 <sup>B</sup>	3.35±0.16 <sup>B</sup>	4.68±0.21 <sup>B</sup>	ND	11.69±1.27 <sup>A</sup>
29	1268	Hexyl acetate	0.76±0.13	ND	ND	ND	ND
30	1429	Ethyl caprylate	ND	ND	ND	ND	3.99±0.94
31	1678	γ-caprolactone	10.03±0.55 <sup>A</sup>	7.24±3.88 <sup>A</sup>	ND	14.47±0.60 <sup>A</sup>	13.97±1.22 <sup>A</sup>
32	1906	γ-octalactone	ND	ND	13.15±0.13	ND	ND
33	2028	γ-nonanoic lactone	ND	2.31±0.14	ND	ND	ND
		Total	135.47±54.43 <sup>AB</sup>	178.99±10.26 <sup>AB</sup>	122.73±24.18 <sup>AB</sup>	37.89±5.10 <sup>B</sup>	242.86±83.15 <sup>A</sup>
<b>Ketones</b>							
34	811	Acetone	ND	1.85±0.07 <sup>A</sup>	ND	4.82±0.52 <sup>A</sup>	ND
35	1068	2,3-Pentane-dione	ND	1.64±0.60	ND	ND	ND
36	1183	2-Heptanone	7.51±2.91 <sup>C</sup>	9.09±0.18 <sup>AB</sup>	7.51±0.41 <sup>C</sup>	12.59±1.88 <sup>AB</sup>	16.27±1.22 <sup>A</sup>
37	1277	3-Hydroxybutan-2-one	ND	5.39±0.31 <sup>B</sup>	15.33±1.06 <sup>AB</sup>	11.81±0.76 <sup>B</sup>	22.96±2.22 <sup>A</sup>
38	1296	2-Octanone	3.53±0.76 <sup>A</sup>	4.93±0.26 <sup>A</sup>	3.84±0.15 <sup>A</sup>	5.08±0.65 <sup>A</sup>	ND
39	1320	2-methyloctan-3-one	ND	9.43±0.74 <sup>A</sup>	7.67±0.36 <sup>A</sup>	7.94±0.39 <sup>A</sup>	ND
40	1325	6-Methyl-5-hepten-2-one	1.64±0.07 <sup>A</sup>	2.34±0.19 <sup>A</sup>	2.96±0.16 <sup>A</sup>	ND	4.07±0.65 <sup>A</sup>

41	1382	2-Nonanone	ND	4.17±0.35	ND	ND	ND
		Total	12.69±4.57 <sup>B</sup>	38.85±1.35 <sup>A</sup>	37.33±3.90 <sup>A</sup>	42.24±4.20 <sup>A</sup>	43.30±8.18 <sup>A</sup>
<b>Alkanes</b>							
42	797	2,4-Dimethylheptane	4.36±2.31 <sup>B</sup>	11.82±1.12 <sup>B</sup>	5.56±0.33 <sup>B</sup>	12.63±2.40 <sup>B</sup>	39.10±4.88 <sup>A</sup>
43	1296	Tridecane	ND	13.24±0.05	ND	ND	ND
44	1483	2-Methyltetradecane	2.40±0.12 <sup>A</sup>	ND	2.95±0.46 <sup>A</sup>	ND	ND
45	1154	1-Chloroheptane	ND	ND	ND	2.39±0.60 <sup>A</sup>	2.24±0.01 <sup>A</sup>
		Total	6.76±2.42 <sup>B</sup>	25.07±2.28 <sup>AB</sup>	8.51±1.24 <sup>B</sup>	15.03±3.01 <sup>B</sup>	41.33±9.79 <sup>A</sup>
<b>Pyrazines</b>							
46	1401	2,3,5-Trimethylpyrazine	9.93±3.14 <sup>AB</sup>	ND	5.13±0.10 <sup>B</sup>	17.43±1.55 <sup>A</sup>	8.42±1.02 <sup>B</sup>
47	1466	Tetramethylpyrazine	12.31±2.36 <sup>B</sup>	ND	7.98±0.07 <sup>B</sup>	19.27±0.58 <sup>A</sup>	ND
		Total	22.34±5.35 <sup>B</sup>	ND	13.11±0.33 <sup>BC</sup>	36.70±2.14 <sup>A</sup>	8.42±2.04 <sup>C</sup>
<b>Aromatic</b>							
48	1035	Toluene	65.93±37.19 <sup>A</sup>	ND	5.23±0.96 <sup>A</sup>	5.55±1.17 <sup>A</sup>	11.47±2.51 <sup>A</sup>
49	1122	Ethylbenzene	1.93±0.62 <sup>A</sup>	ND	ND	2.33±1.08 <sup>A</sup>	2.91±0.19 <sup>A</sup>
50	1128	M-xylene	2.27±0.10 <sup>A</sup>	2.35±0.44 <sup>A</sup>	2.90±2.16 <sup>A</sup>	4.65±1.81 <sup>A</sup>	6.67±0.94 <sup>A</sup>
51	1175	O-xylene	ND	1.14±0.22 <sup>A</sup>	ND	2.45±0.50 <sup>A</sup>	2.91±0.24 <sup>A</sup>
		Total	70.14±36.67 <sup>A</sup>	3.50±0.66 <sup>B</sup>	8.14±3.12 <sup>AB</sup>	14.98±4.55 <sup>AB</sup>	23.96±2.26 <sup>AB</sup>
<b>Olefins</b>							
52	833	1-Octene	ND	ND	0.83±0.06 <sup>A</sup>	1.43±0.44 <sup>A</sup>	1.81±0.20 <sup>A</sup>
53	864	trans-2-Octene	ND	1.51±0.32 <sup>A</sup>	ND	ND	4.51±0.58 <sup>A</sup>
54	1180	Dipentene	ND	ND	ND	4.07±0.30 <sup>A</sup>	10.19±1.60 <sup>A</sup>
		Total	ND	1.51±0.33 <sup>B</sup>	0.84±0.06 <sup>B</sup>	5.50±0.74 <sup>B</sup>	16.51±4.76 <sup>A</sup>
<b>Furans</b>							
55	1230	2-Pentyl furan	13.97±8.51 <sup>A</sup>	16.84±0.13 <sup>A</sup>	12.46±0.34 <sup>A</sup>	21.91±2.27 <sup>A</sup>	28.84±3.45 <sup>A</sup>
		Total	13.97±8.51 <sup>A</sup>	16.84±0.13 <sup>A</sup>	12.46±0.34 <sup>A</sup>	21.91±2.27 <sup>A</sup>	28.84±3.45 <sup>A</sup>

The different letters in the same row represent significant differences in the results of the Tukey test ( $p < 0.05$ ). RI—retention indices calculated concerning the retention time of n-alkane (C5–C25); ND — not detected. S: 100% NaCl; SPMA: 59.375% NaCl+28% KCl+12% MgCl<sub>2</sub>+0.625% L-arginine (Arg); SPM: 60% NaCl+28% KCl+12% MgCl<sub>2</sub>; SP: 72% NaCl+28% KCl; SM: 88% NaCl+12% MgCl<sub>2</sub>