Supplementary Table S4. Semiquantitative results of volatile components in the pyrolysis gas of reconstituted tobacco sheets for heated tobacco products with different K salt additions at 300 ℃.

Rentention time/min	Compounds	Peak area/($\times10^7$)					
		KB	K1	K2	K3	K4	K5
3.43	Acetic acid	39.62	106.86	175.56	294.37	322.54	393.38
3.57	1-Hydroxy-2-propanone	13.89	46.60	39.79	25.23	19.79	16.50
4.07	Acetoin	—	—	6.15	6.80	7.36	6.36
4.60	1-Methyl-1*H*-pyrrole	1.42	—	0.78	1.27	1.09	1.29
4.81	Pyridine	—	—	—	5.99	4.28	5.04
6.83	2-Cyclopenten-1-one	11.84	10.53	6.15	5.30	3.88	3.78
7.55	2-Furanmethanol	22.77	48.17	37.84	33.87	21.38	23.46
8.24	4-Cyclopentene-1,3-dione	13.77	15.79	7.32	4.38	3.78	4.77
9.21	Butyrolactone	—	3.14	3.80	5.07	10.84	11.53
9.64	1,2-Cyclopentanedione	—	4.15	4.39	4.95	3.58	3.28
10.54	5-Methyl-2-furanmethanol	—	1.46	1.27	1.04	0.80	0.90
10.78	5-Methyl-2-furancarboxaldehyde	7.33	3.02	2.05	2.07	1.39	1.79
10.90	1-Acetoxy-2-butanone	0.39	0.67	0.49	0.35	0.30	0.40
11.46	Phenol	—	0.56	0.59	0.92	0.90	1.39
12.83	3-Methyl-1,2-cyclopentanedione	—	2.13	2.54	3.92	2.68	3.28
14.75	2-Methoxyphenol	—	—	1.85	2.30	1.59	12.63
16.09	Monoacetin	—	88.38	120.26	153.46	154.81	154.69
16.81	2,3-Dihydro-3,5-dihydroxy-6-methyl-4*H*-pyran-4-one	—	19.38	3.12	1.04	0.50	0.50
17.65	Glycerin	523.85	453.21	360.77	348.75	67.00	261.56
18.54	Catechol	0.26	—	2.44	3.00	2.19	1.79
20.18	3-Methyl-1,2-benzenediol	—	—	—	—	—	0.96
21.39	2-Methoxy-4-vinylphenol	—	1.01	0.78	0.92	1.09	0.60
22.41	Nicotine	628.82	163.43	125.43	139.41	78.15	59.55
24.37	Myosmine	1.54	1.68	1.27	—	—	1.49
27.05	2,3'-Dipyridyl	3.22	3.25	2.15	2.07	2.29	3.38
27.70	Megastigmatrienone	2.44	3.81	8.97	11.87	11.24	13.62
28.59	1,2,3,4-Tetrahydrocyclopenta[b]indole	—	0.00	0.00	0.00	0.00	0.00
32.20	Tetradecanoic acid	1.29	1.34	0.68	0.81	—	0.30