

**Supplementary Table 1:** Serum nicotine and cotinine concentration (mean  $\pm$  SD) after nose-only or whole-body e-cigarettes aerosol exposure for 1, 2, 4 min.

Exposure method	Exposure time (min)	Arterial blood		Venous blood	
		Serum nicotine (ng/mL)	Serum cotinine (ng/mL)	Serum nicotine (ng/mL)	Serum cotinine (ng/mL)
Nose-only	1	24.53 $\pm$ 3.44	1.75 $\pm$ 0.38	12.97 $\pm$ 1.45	2.90 $\pm$ 1.49
	2	37.67 $\pm$ 4.56	3.33 $\pm$ 1.04	26.93 $\pm$ 5.32	2.79 $\pm$ 1.55
	4	55.33 $\pm$ 10.51	7.51 $\pm$ 1.08	43.67 $\pm$ 6.99	9.68 $\pm$ 0.58
Whole-body	1	12.82 $\pm$ 3.28	2.15 $\pm$ 1.24	8.14 $\pm$ 2.35	1.66 $\pm$ 0.24
	2	19.10 $\pm$ 2.25	1.85 $\pm$ 0.49	15.03 $\pm$ 1.31	1.70 $\pm$ 0.17
	4	38.23 $\pm$ 8.80	5.47 $\pm$ 1.34	24.13 $\pm$ 2.80	4.58 $\pm$ 1.08

**Correspondence to:** Mo Xue, Smoore Research Institute, Smoore International, Shenzhen, China, E-mail: mo.xue@smooretech.com;

Zhiqiang Shi, Smoore Research Institute, Smoore International, Shenzhen, China, E-mail: zhiqiang.shi@smoorecig.com;

Ke Hao, Department of Genetics and Genomic Sciences, Icahn School of Medicine, Mount Sinai, New York, NY, USA, E-mail: ke.hao@mssm.edu

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