

Supporting Information

Application of e-nose to predict the optimum fermentation time for low country Sri Lankan tea.

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Table S1: Smell peaks recorded on each sensor

	Date	SVD processed peaks											
		MQ2 (S1)			MQ3 (S2)			MQ4 (S3)			MQ5 (S4)		
		Peak 1 (min.)	Peak 2 (min.)	Peak 3 (min.)	Peak 1	Peak 2 (min.)	Peak 3 (min.)	Peak 1 (min.)	Peak 2 (min.)	Peak 3 (min.)	Peak 1 (min.)	Peak 2 (min.)	Peak 3 (min.)
1	2019_10_02_B4	16.5	25.5	37.5	10.5	40.5		10.5	40.5		10.5	40.5	
2	2019_10_02_B6	16.5	25.5	46.5	10.5			10.5			10.5		
3	2019_10_02_B7	19.5	40.5	73.5	19.5	37.5	73.5	19.5	37.5	73.5	19.5	37.5	73.5
4	2019_10_02_B9	22.5	31.5	52.5	43.5	67.5	88.5	43.5	67.5	88.5	43.5	67.5	88.5
5	2019_10_03_B7	22.5	37.5	46.5	22.5	40.5	52.5	22.5	40.5	52.5	22.5	40.5	52.5
6	2019_10_03_B8	34.5	52.5	76.5	16.5	46.5	73.5	16.5	46.5	73.5	16.5	46.5	73.5
7	2019_10_09_B3	25.5	37.5	46.5	25.5	43.5	52.5	25.5	43.5	52.5	25.5	43.5	52.5
8	2019_10_09_B5	28.5	49.5		16.5	43.5	88.5	16.5	43.5	88.5	16.5	43.5	88.5
9	2019_10_09_B7	22.5	64.5	79.5	16.5	28.5	43.5	16.5	28.5	43.5	16.5	28.5	43.5
10	2019_10_10_B4	22.5	46.5	61.5	43.5	61.5	88.5	43.5	61.5	88.5	43.5	61.5	88.5
11	2019_10_10_B6	25.5			28.5	40.5		28.5	40.5		28.5	40.5	
12	2019_10_10_B11	25.5	37.5	49.5	25.5	49.5		25.5	49.5		25.5	49.5	
13	2019-11-05-B8	16.5	37.5	49.5	19.5	40.5	58.5	10.5	37.5	49.5	10.5	49.5	67.5
14	2019-11-06-B8	49.5	70.5		19.5	55.5	88.5	19.5	49.5	64.5	25.5	43.5	76.5
15	2019_11_07_B3	31.5	58.5	85.5	25.5	40.5	64.5	25.5	40.5	64.5	25.5	40.5	64.5
16	2019-11-07-B7		49.5	70.5	19.5	55.5	88.5	19.5	49.5	64.5	25.5	43.5	76.5
17	2019-11-13-B4	28.5	43.5	91.5		64.5				91.5	25.5	46.5	73.5
18	2019-12-09-B3				13.5	31.5		13.5	31.5		13.5	31.5	
19	2019-12-09-B5	10.5	43.5		16.5	31.5	52.5	16.5	31.5	52.5	16.5	31.5	52.5
20	2019-12-09-B7		46.5		10.5	31.5	43.5	19.5			19.5	31.5	
21	2019-12-09-B8	10.5	31.5	85.5	31.5	46.5		13.5	49.5	73.5	25.5	40.5	61.5
22	2019-12-10-B5	28.5	52.5			46.5		22.5	49.5		13.5	37.5	52.5

23	2019-12-10-B7	19.5	46.5	61.5	10.5	40.5	49.5	10.5	40.5	49.5	10.5	40.5	49.5
24	2019-12-10-B9	31.5	58.5		25.5	40.5	61.5	10.5	40.5	52.5	10.5	31.5	46.5
25	2019-12-12-B4	28.5	43.5	91.5			64.5			91.5	25.5	46.5	73.5
26	2019-12-12-B6	25.5	37.5	55.5	16.5	37.5	70.5	28.5	43.5	73.5	13.5	28.5	49.5
27	2019-12-12-B9	25.5	40.5		22.5	40.5	79.5	28.5	55.5		25.5	49.5	67.5
28	2019-12-12-B11	28.5	40.5	70.5	37.5	58.5		25.5	40.5		28.5	49.5	
29	2019-12-16-B5	34.5	49.5	73.5	19.5		73.5	10.5	34.5	73.5		43.5	79.5
30	2019-12-16-B7		40.5	55.5	10.5	28.5	52.5	16.5	43.5	55.5	13.5	37.5	55.5
31	2019-12-16-B8	37.5	67.5		16.5	28.5	46.5	28.5	43.5	70.5	28.5	43.5	67.5
32	2019-12-17-B3	13.5	31.5	58.5	19.5	34.5	61.5	19.5	34.5	61.5	19.5	34.5	61.5
33	2019-12-17-B4	22.5	52.5	64.5	28.5		67.5		34.5		10.5	43.5	70.5
34	2019-12-17-B6		43.5		10.5	46.5		10.5	28.5	46.5	10.5	43.5	
35	2019-12-17-B9	22.5	31.5	55.5	13.5	43.5		13.5	43.5		13.5	43.5	
36	2020-07-02-B2	37.5			13.5	37.5		13.5	37.5		13.5	37.5	
37	2020-07-02-B4	13.5	43.5	52.5	16.5	52.5	70.5	16.5	52.5	70.5	16.5	52.5	70.5
38	2020-07-02-B8	49.5	73.5	82.5	19.5	52.5	64.5	19.5	52.5	64.5	19.5	52.5	64.5
39	2020-07-03-B1	49.5	73.5	82.5	19.5	52.5	64.5	19.5	52.5	64.5	19.5	52.5	64.5
40	2020-07-03-B3	25.5	37.5	61.5	25.5	37.5	61.5	19.5	34.5	64.5	28.5	43.5	61.5
41	2020-07-03-B5	13.5	46.5	67.5	22.5	34.5	55.5	10.5	37.5	67.5	19.5	64.5	100.5
42	2020-07-06-B1	10.5	28.5		13.5	22.5	34.5	13.5	22.5	34.5	13.5	22.5	34.5
43	2020-07-06-B3	19.5	46.5	67.5	19.5	31.5	40.5	19.5	31.5	40.5	19.5	31.5	40.5
44	2020-07-06-B6	13.5	31.5	49.5	13.5	31.5	49.5	16.5	34.5	52.5	19.5	31.5	58.5
45	2020-07-06-B9	37.5	52.5	52.5	28.5	49.5	73.5	31.5		91.5	10.5	46.5	61.5
46	2020-07-07-B2	25.5		61.5	10.5	25.5	43.5	13.5	34.5	49.5	25.5	43.5	58.5
47	2020-07-07-B7	34.5	46.5	64.5	10.5	34.5	61.5		43.5	70.5	16.5	52.5	76.5
48	2020-07-07-B11	28.5	73.5	91.5	10.5	49.5	70.5	10.5	37.5	49.5	25.5	43.5	70.5

Figure S1. Average variation of Theaflavin with time

