

## Supplementary Information

**Table S1. PEP Parameters across reference conditions.**

	Positive Peak			Negative Peak			Response Duration		
	Mean $\pm$ SD (ms)	Mode Size (%)	Entropy $\pm$ SE	Mean $\pm$ SD (ms)	Mode Size (%)	Entropy $\pm$ SE	Mean $\pm$ SD (ms)	Mode Size (%)	Entropy $\pm$ SE
<b>Subject 1</b>									
<b>Contam.</b>	54.2 $\pm$ 30.2	21.7	2.31 $\pm$ 0.11	50.7 $\pm$ 3.4	57.0	1.20 $\pm$ 0.08			
<b>Neutral</b>	54.7 $\pm$ 18.6	6.6	3.41 $\pm$ 0.09	51.0 $\pm$ 21.8	12.8	3.15 $\pm$ 0.11			
<b>Contam. CARLA</b>	49.5 $\pm$ 16.9	5.8	3.44 $\pm$ 0.09	54.8 $\pm$ 19.3	5.7	3.63 $\pm$ 0.07			
<b>Neutral CARLA</b>	50.4 $\pm$ 20.3	7.3	3.55 $\pm$ 0.10	53.4 $\pm$ 20.1	5.3	3.57 $\pm$ 0.09			
<b>Subject 2</b>									
<b>Contam.</b>	51.4 $\pm$ 10.9	69.8	1.55 $\pm$ 0.15	68.1 $\pm$ 13.4	77.0	1.13 $\pm$ 0.12	171 $\pm$ 44	60.3	1.05 $\pm$ 0.16
<b>Neutral</b>	65.7 $\pm$ 17.1	41.7	2.08 $\pm$ 0.11	45.1 $\pm$ 19.9	41.0	1.93 $\pm$ 0.06	667 $\pm$ 341	29.4	1.53 $\pm$ 0.33
<b>Contam. CARLA</b>	49.4 $\pm$ 20.7	5.8	3.50 $\pm$ 0.11	44.4 $\pm$ 17.6	8.8	3.07 $\pm$ 0.11	273 $\pm$ 193	7.7	3.34 $\pm$ 0.11
<b>Neutral CARLA</b>	43.4 $\pm$ 19.2	6.8	3.20 $\pm$ 0.15	48.2 $\pm$ 16.1	9.8	2.93 $\pm$ 0.17	350 $\pm$ 283	14.5	2.77 $\pm$ 0.15