

Table S1. Electroantennography response (μV ; $\pm\text{S.E.}$) of gravid *Aedes aegypti* females to *n*-heneicosane, dodecanoic acid, *Sargassum fluitans* hydrolate, and their respective negative controls. P-values presented in the table correspond to comparison of antennal responses between negative control and the tested compound (Tukey-s post hoc tests).

	Compound	Negative control	Statistic (F)	P.value
<i>n</i> -heneicosane (n=8)	204 \pm 22.85	208 \pm 22.56	0.387	0.553
dodecanoic acid (n=7)	171 \pm 22.72	170 \pm 21.13	0.002	0.959
<i>S. fluitans</i> hydrolate (n=11)	273 \pm 33.64	183 \pm 26.79	73.499	6.391 $\times 10^{-6}$

Table S2. Oviposition responses of *Ae. Aegypti* gravid females towards *S. fluitans* extract dosed at 10^{-1} . OAI values range between -1 and 1 , were negative values indicate deterrence and positive values indicate stimulation. N = 125 females tested by groups of 25 females across 5 replicates.

Replicate	Nb of eggs in the treated solution	Nb of eggs in the control solution	Total nb eggs	OAI
1	418	462	880	-0.05
2	616	945	1561	-0.21
3	337	489	826	-0.18
4	185	587	772	-0.52
5	296	1088	1384	-0.57