

**Table S1. Electroantennography response ( $\mu\text{V}$ ;  $\pm\text{S.E.}$ ) 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  $1$ , where 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