Supplementary Materials:

Table S1. Parameters of the phytohormone's validation.

Component	RT (min)	Scan	Transition SRM	CE (eV)	Slope (b)	Interception (a)	R²	Sx/y	LOD (pM)	LOQ (pM)
tZ/cZ	7.55/8.90	+	220.11 → 202.03	35	5880.7	2409.7	0.9998	17108.27	8.73	29.09
SA	12.39	-	137.02 → 93.03	35	81.0	6011.9	0.9998	364.52	13.50	44.99
GA3	14.39	-	345.13 → 239.22	35	8640.1	14753.4	0.9999	3612.11	1.25	4.18
IAA	14.41	+	176.07 → 130.06	35	866.2	-6126.5	0.9999	2271.45	7.87	26.22
IsoA	15.26	+	204.12 → 136.06	35	3233.8	5317.4	0.9999	4738.97	4.40	14.65
BAP	15.41	+	226.10 → 91.05	35	236.4	73687.2	0.9999	1989.26	2.24	7.47
ABA	17.27	-	263.12 → 219.14	35	236.4	-510.6	0.9941	3282.18	41.64	138.79
MeJA	20.33	+	225.14 → 207.05	35	18185.3	503680.5	0.9998	53446.24	8.82	29.39

Retention time in min, (RT); Selected reaction monitoring, (SRM); Electrical current, (CE) in electrovolts (eV); Slope and intercept of the linear regression, (**b** and **a)** respectively; Standard deviation of the response, (Sx/y); Limit of detection (LOD); Limit of quantification (LOQ)
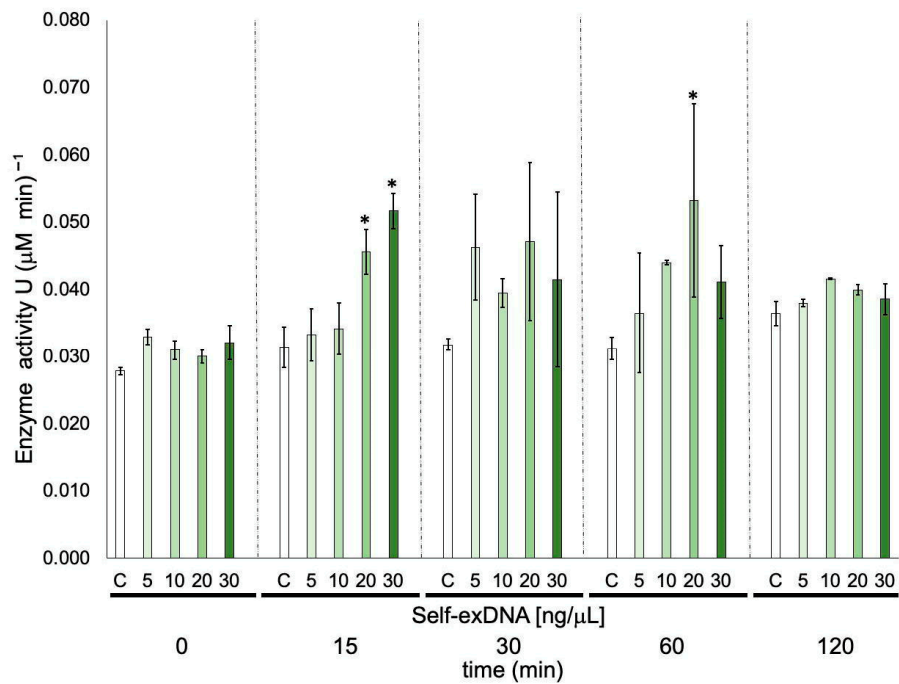
Figure S1

Figure S1. Dose-response curve of the peroxidase enzyme activity of *Neochloris oleoabundans*, after application of self-exDNA at different concentrations and times. The unit of enzyme activity (U) was defined as the catalytic activity responsible for the transformation of one μmol substrate per minute under optimal enzyme conditions. (c), control without self-exDNA. Data represent mean ± standard deviation (SD, n = 3). Asterisks indicate statistically significant differences (* = p < 0.05; ** = p < 0.01; *** = p < 0.001).

Figure S2

Standard curves of phytohormones