

Table S1. Buffer, sample weight:buffer (w:v) ratio and centrifugation conditions used for each tissue homogenate and B-esterase assays performed using different substrates

Tissue	Homogenisation buffer	w:v	Centrifugation	B-esterase substrate
Plasma	No buffer	-	3,000g x 15'	pNPA, pNPB, α NA, α NB
Muscle	50 mM P pH 7.4+1 mM EDTA	1:5	10,000g x 30'	ATC, pNPA, pNPB, α NA, α NB
Brain	50 mM P pH 7.4+1 mM EDTA	1:5	10,000g x 30'	ATC, pNPA, pNPB, α NA, α NB
kidney	50 mM P pH 7.4+1 mM EDTA	1:5	10,000g x 30'	ATC, pNPA, pNPB, α NA, α NB
Gonads	50 mM P pH 7.4+1 mM EDTA	1:5	10,000g x 30'	ATC, pNPA, pNPB, α NA, α NB
Liver	100 mM P pH 7.4+ 150 mM KCl+ 1mM EDTA+ 1mM DTT+Phe+TI	1:4	10,000g x 30'	ATC, pNPA, pNPB, α NA, α NB

Table S2. Baseline activity in S10 fraction of several tissues of adult sea bass and hake used for *in vitro* inhibitions with plastic additives. Data as Mean \pm SD (n=3). Activity ¹ in nmol/min/mg protein and ² in nmol/min/mL plasma. Dilution of S10 extracts in brackets

Tissue	Sea bass (n=3)	Tissue	Hake (n=3)
<u>pNPB-CE</u>			
Brain ¹	133.5 \pm 9.1 (1/5)	Brain ¹	20.4 \pm 1.4 (1/2)
Gonad ¹	15.6 \pm 2.1 (1/2)	Gonad ¹	18.5 \pm 1.2 (1/2)
Liver ¹	200.1 \pm 79.8 (1/20)	Liver ¹	75.6 \pm 6.3 (1/20)
Plasma ²	1706 \pm 201 (1/20)	Kidney ¹	43.9 \pm 3.6 (1/4)
<u>αNB-CE</u>			
Brain ¹	70.0 \pm 17.1 (1/20)	Brain ¹	22.9 \pm 2.1 (1/4)
Gonad ¹	10.6 \pm 2.8 (1/4)	Gonad ¹	32.2 \pm 2.1 (1/4)
Liver ¹	225.4 \pm 55.7 (1/40)	Liver ¹	72.0 \pm 3.9 (1/20)
Plasma ²	728.4 \pm 86.4 (1/20)	Kidney ¹	49.2 \pm 3.8 (1/10)

