Additional file 9 Mean weights (± SE) of sea bass before, at midterm, and after the final dietary challenge of sea bass.

Age (dph)	225	266	287
LH1-LH2	26.7^{ab} ± 0.5	41.9^{b} ± 0.9	51.2^{c} ± 1.1
C1-LH2	25.8^{b} ± 0.6	43.3^{b} ± 1.0	54.0^{bc} ± 1.2
C1-C2	26.1^{b} ± 0.5	43.8^{ab} ± 0.9	57.5^{ab} ± 1.1
C1-HG2	25.7^{b} ± 0.6	42.2^{ab} ± 0.9	53.8^{abc} ± 1.1
HG1-HG2	28.2^{a}± 0.4	45.5^{a}± 0.8	57.9^{a} ± 1.0
p (Kruskal-Wallis)	≤0.001	0.007	≤0.001

SGR was computed from 266 to 287 dph (days post hatch, see Table 3). The means (± SE) without common superscript letter on the same column corresponded to significant differences according to Dunn's test. Each group was named after its diets during the two challenge phases: HUFA-deficient diet at both phases (LH1-LH2), or only phase 2 (C1-LH2); protein-deficient diet with high starch supply at both phases (HG1-HG2), or only phase 2 (C1-HG2); control with standard diets (C1-C2).