Table S1. Proportion (%) of the total recovered ^{14}C-lysine (Lys), ^{14}C-tryptophan (Trp) and ^{14}C-methionine (Met) that was evacuated, retained in the gut, liver and muscle, or catabolised in gilthead seabream juveniles fed 44P21L, 44P18L, 40P21L or 40P18L diets.

| % | Dietary Treatment | | | | | | | | | | | | Two-way ANOVA (*P* < 0.05) | | |
| | 44P21L | | | 44P18L | | | 40P21L | | | 40P18L | | | | | |
	LYS	TRP	MET	LYS	TRP	MET	LYS	TRP	MET	LYS	TRP	MET	AA	Diet	AA × Diet
Evacuation	20.9 ± 6.7 [b]	66.7 ± 17.5 [a]	41.6 ± 10.9 [b]	32.9 ± 11.9 [b]	58.0 ± 10.8 [a]	26.9 ± 6.0 [b]	26.8 ± 9.0 [b]	59.6 ± 3.2 [a]	31.3 ± 5.0 [b]	22.0 ± 15.5 [b]	57.2 ± 8.6 [a]	29.1 ± 6.5 [b]	***	NS	NS
Gut	14.1 ± 3.9 [a]	11.3 ± 7.7 [ab]	8.9 ± 3.6 [b]	10.7 ± 5.0 [a]	12.7 ± 4.0 [ab]	11.5 ± 3.6 [b]	18.6 ± 5.4 [a]	13.5 ± 1.9 [ab]	12.0 ± 2.3 [b]	18.6 ± 6.4 [a]	13.7 ± 5.4 [ab]	12.3 ± 2.7 [b]	*	*	NS
Liver	8.7 ± 2.7 [a,y]	4.3 ± 2.1 [b,y]	4.5 ± 1.0 [ab,y]	5.4 ± 1.5 [a,y]	5.9 ± 2.4 [b,y]	6.1 ± 1.4 [ab,y]	7.6 ± 2.9 [a,xy]	6.4 ± 0.8 [b,xy]	6.9 ± 1.1 [ab,xy]	10.6 ± 5.1 [a,y]	7.6 ± 2.1 [b,y]	7.6 ± 2.9 [ab,y]	*	**	NS
Muscle	24.9 ± 6.4 [b]	6.5 ± 3.7 [c]	30.5 ± 7.6 [a]	26.8 ± 10.7 [b]	9.4 ± 3.6 [c]	37.6 ± 14.3 [a]	24.4 ± 8.9 [b]	10.2 ± 1.5 [c]	38.6 ± 5.8 [a]	28.0 ± 8.0 [b]	7.4 ± 1.2 [c]	40.1 ± 8.7 [a]	***	NS	NS
Catabolism	31.3 ± 6.4 [a]	11.3 ± 5.0 [b]	14.5 ± 2.8 [b]	24.3 ± 6.5 [a]	14.0 ± 4.8 [b]	17.9 ± 16.4 [b]	22.6 ± 10.0 [a]	10.3 ± 3.4 [b]	11.1 ± 4.5 [b]	20.8 ± 7.9 [a]	14.1 ± 2.9 [b]	10.9 ± 7.4 [b]	***	NS	NS

Values are presented as mean ± standard deviation (*n* = 6 fish for each diet and amino acid). Within a row, superscript letters *a,b,c* represent significant differences in the metabolic fate of the distinct amino acids at each dietary treatment; *x,y* denote significant differences between dietary treatments (*P < 0.05; **P < 0.01; ***P < 0.001); NS: non-significant (P > 0.05).