

Supplementary Material

Combining Individual Phenotypes of Feed Intake With Genomic Data to Improve Feed Efficiency in Sea Bass

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Supplementary Table 4. Bivariate regression analysis of FCR of tanks (FCR_{group}) on the average phenotypic value of the fish in each tank for daily growth coefficient in aquarium (avg_DGC_{aquarium}) and daily feed intake coefficient (avg_DFC_{aquarium}), for each of the three periods of three weeks during the validation experiment and the full period of nine weeks. In italic is the regression coefficient (\pm s.e.).

Effects	Significance level (type II p-value)			
	Group_P1	Group_P2	Group_P3	Group_full
log(avg_DGC _{aquarium})	<i>-0.19 ±0.05</i> F _{1,9} = 16.58, p = 0.003	<i>-0.17 ±0.02</i> F _{1,9} = 8.29, p = 0.018	<i>-0.007 ±0.05</i> F _{1,9} = 0.02, p = 0.89	<i>-0.12 ±0.009</i> F _{1,9} = 11.60, p = 0.008
log(avg_DFC _{aquarium})	<i>0.4 ±0.09</i> F _{1,9} = 18.81, p = 0.002	<i>0.30 ±0.06</i> F _{1,9} = 6.97, p = 0.027	<i>-0.03 ±0.1</i> F _{1,9} = 0.08, p = 0.77	<i>0.22 ±0.07</i> F _{1,9} = 10.13, p = 0.011