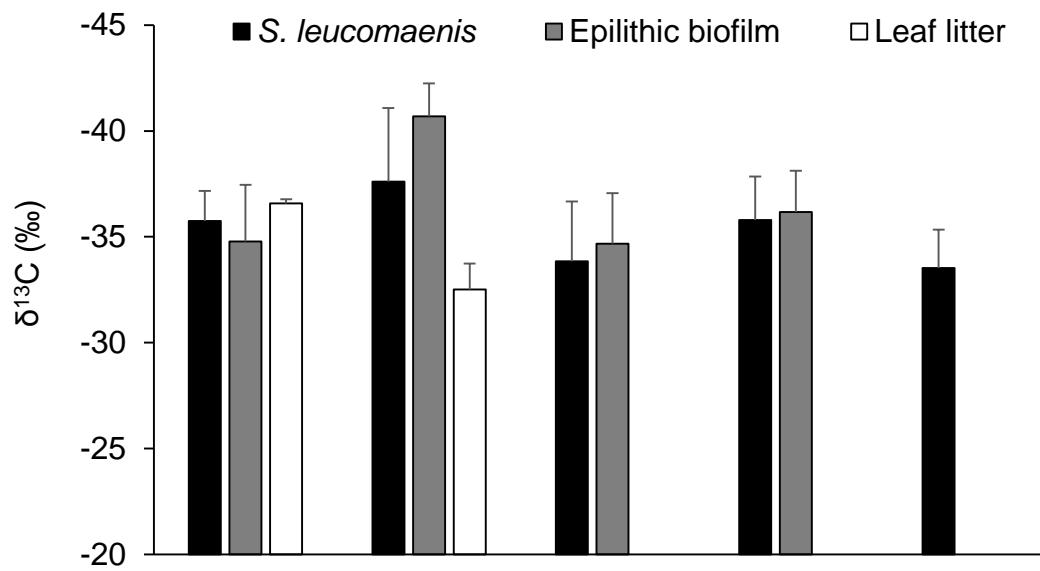


Supplementary file

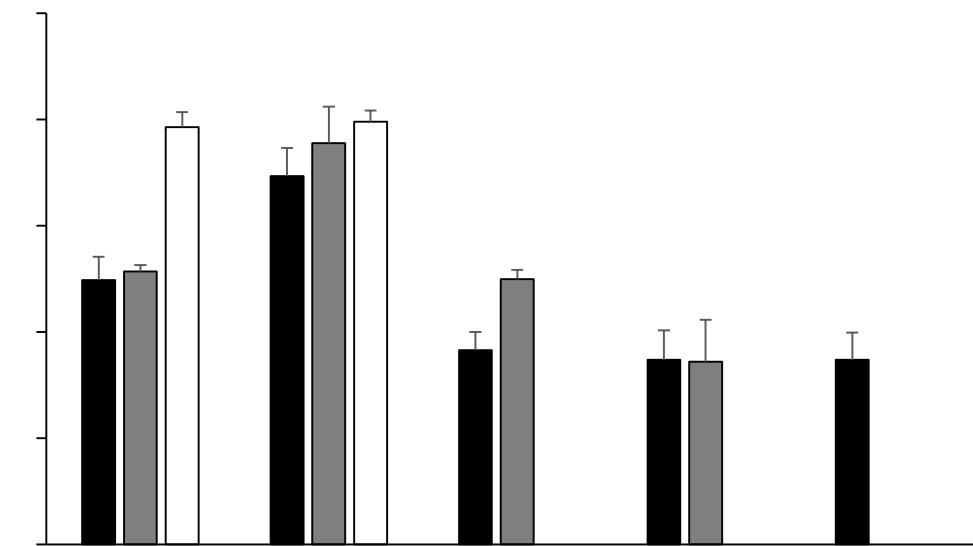
Figure S1

The relationship between stable isotope ratios of bulk and lipid free fish muscle samples ( $n = 137$ ).

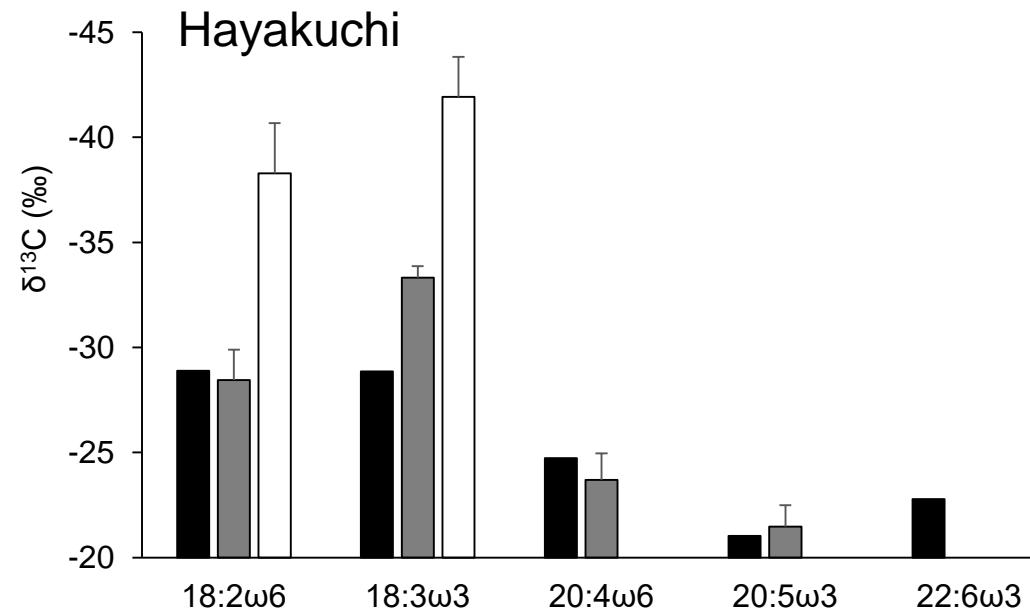
### Babame



### Kurikoma



### Hayakuchi



### Naruse

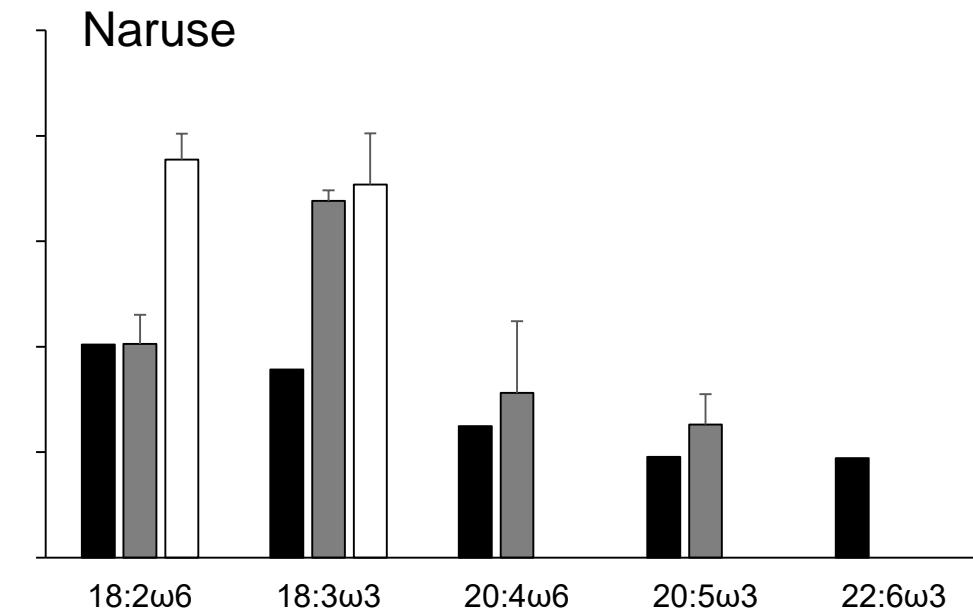


Figure S2 Isotopic value of essential fatty acids in collected samples from each study stream. Error bars represent standard deviation.