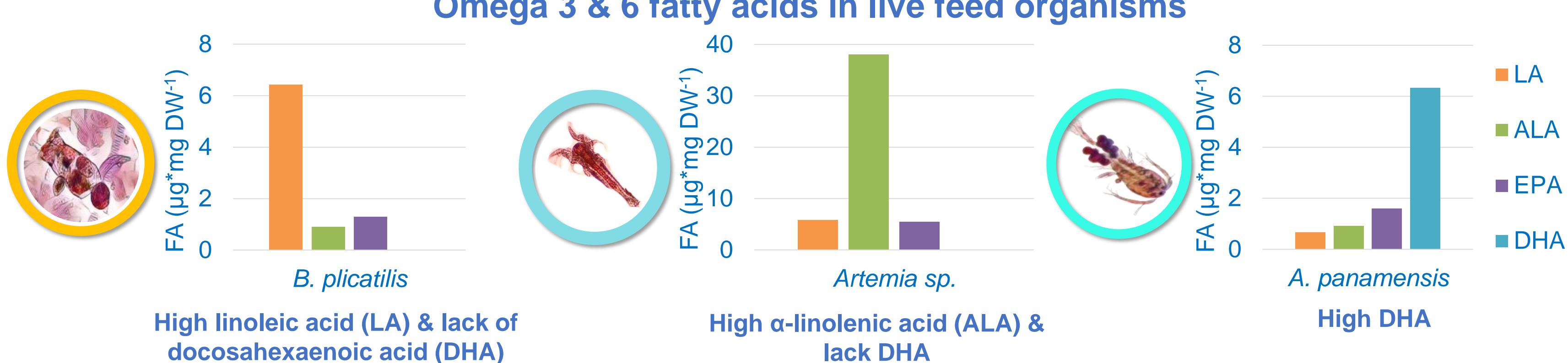


A BALANCED FATTY ACID COMPOSITION IN THE EARLY LIFE CYCLE STAGES OF *Sander lucioperca* (L., 1758)

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The problem

Omega-3 & 6 fatty acids (FA) are not produced *de novo* by vertebrates



The research

Fatty acids in pikeperch

Dph 0	SFA/MUFA/PUFA	PUFAs	n-3/n-6	LA	DHA
	1.0 / 2.7 / 4.4	54.3%	1.8	11.1%	18.5%
Dph 0- 10					
Diet	SFA/MUFA/PUFA	PUFAs	n-3/n-6	LA	DHA
<i>B. calyciflorus</i>	1.7 / 1.0 / 2.5	47.4%	2.4	8.1%	15.2%
<i>B. plicatilis</i>	1.0 / 1.4-1.6 / 1.6-2.0	38.8-46.2%	2.5	8.8-12.4%	12.6-18.5%
Dph 11- 18					
Diet	SFA/MUFA/PUFA	PUFAs	n-3/n-6	LA	DHA
<i>A. panamensis</i>	1.0 / 1.5-2.0 / 2.3-4.1	48-58%	1.6-3.2	7.3-10.9%	25.0%
Dph 18- 25					
Diet	SFA/MUFA/PUFA	PUFAs	n-3/n-6	LA	DHA
<i>Artemia</i> + microdiets	1.2 / 1.0 / 1.6	42.0%	2.6	8.2%	16.7%
Dph 25- 41					
Diet	SFA/MUFA/PUFA	PUFAs	n-3/n-6	LA	DHA
Microdiets	1.0/1.1/1.5	41.2%	1.8	13.9%	15.7%
Dph 41- 56					
Diet	SFA/MUFA/PUFA	PUFAs	n-3/n-6	LA	DHA
Microdiets	1.0/ 1.5/ 1.3	36.9%	1.2	14.7%	10.4%

The aimed balanced lipid composition for a more efficient feeding practices

