

Erratum to: Effects of chronic and periodic exposures to ammonia on the eye health in juvenile Atlantic halibut (*Hippoglossus hippoglossus*)

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Published online: 11 August 2011
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Erratum to: Fish Physiol Biochem
DOI 10.1007/s10695-011-9521-0

By mistake, Table 2 in Liakonis et al. article is missing indications of significant results. This

erratum gives the correct Table 2 with all significant results included.

The online version of the original article can be found under doi:[10.1007/s10695-011-9521-0](https://doi.org/10.1007/s10695-011-9521-0).

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Table 2 Mean values ($\mu\text{mol g}^{-1}$) of free amino acids (FAA) found in juvenile Atlantic halibut muscle tissue exposed to five water ammonia treatments at three sampling dates (Start, day 62 and day 100)

Free amino acid	Start	Day 62												Day 100											
		Control		CL		CM		CH		HP		Control		CL		CM		CH		HP					
		Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD				
<i>Essential</i>																									
Threonine	1.13	0.36	1.46	0.39	1.35	0.43	1.19	0.49	1.03	0.29	1.31	0.48	1.62	0.52	1.73	0.34	1.50	0.25	1.95	0.23	1.48	0.28			
Valine	0.09	0.03	0.07	0.03	0.07	0.03	0.09	0.03	0.09	0.03	0.08	0.04	0.05	0.01	0.05	0.02	0.05	0.01	0.05	0.02	0.06	0.02			
Methionine	0.05	0.02	0.04	0.01	0.04	0.01	0.05	0.02	0.05	0.02	0.05	0.03	0.04	0.01	0.03	0.01	0.03	0.01	0.03	0.01	0.04	0.01			
Isoleucine	0.06	0.02	0.04	0.02	0.04	0.02	0.05	0.02	0.06	0.02	0.05	0.03	0.03	0.01	0.03	0.01	0.02	0.01	0.02	0.01	0.03	0.01			
Leucine	0.12	0.04	0.07	0.04	0.08	0.03	0.11	0.03	0.12	0.04	0.10	0.05	0.06	0.02	0.07	0.03	0.06	0.03	0.05	0.02	0.07	0.02			
Phenylalanine	0.04	0.01	0.04	0.01	0.03	0.01	0.03	0.01	0.04	0.02	0.04	0.01	0.04	0.01	0.04	0.01	0.03	0.01	0.03	0.01	0.04	0.00			
Lysine	0.53	0.24	0.60	0.21	0.63	0.10	0.65	0.23	0.60	0.12	0.44	0.15	0.54	0.13	0.49	0.14	0.49	0.13	0.57	0.18	0.48	0.10			
Histidine	0.84	0.58	1.44	0.58	1.24	0.55	1.07	0.68	1.07	0.68	1.32	0.66	1.66	0.16	1.72	0.13	1.50	0.38	1.72	0.23	1.62	0.26			
Arginine	0.09	0.05	0.15	0.07	0.12	0.04	0.11	0.03	0.11	0.03	0.11	0.04	0.15	0.05	0.14	0.03	0.14	0.06	0.17	0.09	0.12	0.03			
<i>Non-essential</i>																									
Serine	1.73	0.42	1.71	0.48	1.91	0.38	1.25	0.48	1.56	0.29	1.50	0.63	1.00	0.15	1.12	0.20	1.20	0.40	1.04	0.24	1.04	0.26			
Glutamic acid	0.69	0.25	0.60 ^b	0.17	0.87 ^a	0.19	0.64 ^b	0.14	0.59 ^b	0.07	0.67 ^b	0.07	0.65 ^{ab}	0.19	0.75 ^a	0.12	0.62 ^{ab}	0.13	0.49 ^b	0.10	0.61 ^{ab}	0.10			
Glutamine	0.83	0.20	0.85 ^{ab}	0.19	0.80 ^{ab}	0.16	1.05 ^a	0.23	1.04 ^a	0.17	0.71 ^b	0.16	1.00 ^{ab}	0.28	0.93 ^{ab}	0.20	1.12 ^a	0.13	0.91 ^{ab}	0.21	0.73 ^b	0.23			
Proline	0.87	0.96	1.32	0.91	1.76	1.09	1.53	1.48	0.93	0.65	1.28	0.76	2.30	0.97	1.76	1.09	1.71	0.91	2.46	0.88	0.96	0.30			
Glycine	7.58	0.54	7.13	0.67	7.36	0.30	6.70	1.11	7.71	0.52	7.44	0.78	5.94	0.50	5.90	0.85	6.04	0.63	5.82	0.68	5.96	1.05			
Alanine	4.28	0.49	4.06 ^{ab}	0.53	4.53 ^{ab}	0.71	4.88 ^a	0.89	3.69 ^b	0.51	3.69 ^b	0.58	3.88	0.57	3.86	0.53	4.04	0.42	3.69	0.54	3.65	0.42			
Tyrosine	<0.08	0.01	<0.08	0.01	<0.08	0.01	<0.08	0.02	<0.08	0.02	<0.08	0.02	<0.08	0.01	<0.08	0.02	<0.08	0.01	<0.08	0.02	<0.08	0.01			
Aspartic acid	0.53	0.20	0.58	0.22	0.60	0.13	0.54	0.14	0.57	0.11	0.66	0.20	0.66	0.14	0.67	0.14	0.57	0.14	0.54	0.15	0.60	0.12			
Asparagine	0.64	0.58	0.67	0.54	0.33	0.14	0.94	0.76	0.71	0.29	0.49	0.31	0.71 ^b	0.90	0.45 ^b	0.34	1.19 ^b	0.64	1.82 ^a	0.62	0.52 ^b	0.39			
Hydroxyproline	0.56	0.54	0.44	0.22	0.54	0.29	0.46	0.43	0.31	0.23	0.49	0.37	0.63	0.23	0.82	0.32	0.64	0.29	0.77	0.29	0.52	0.23			
<i>Nitrogenous compounds</i>																									
Taurine	9.3	2.5	12.3	2.9	10.9	2.0	11.4	3.1	11.1	2.7	12.1	2.9	13.4	1.3	13.1	1.7	13.1	2.4	12.5	2.4	14.5	1.9			
Anserine	0.37	0.13	0.82	0.08	0.72	0.07	0.75	0.12	0.67	0.15	0.72	0.14	0.84 ^b	0.08	0.84 ^b	0.11	0.81 ^b	0.09	0.92 ^{ab}	0.07	0.97 ^a	0.08			
O-phosphoethanolamine	0.09	0.03	0.08	0.01	0.08	0.01	0.08	0.01	0.07	0.02	0.07	0.02	0.08	0.01	0.09	0.02	0.09	0.02	0.08	0.01	0.08	0.02			
Urea	5.40	1.16	7.67	1.19	7.07	1.11	6.90	1.02	7.11	1.42	7.16	1.10	6.38 ^a	0.50	6.29 ^a	1.02	6.27 ^a	0.88	5.25 ^b	0.58	6.81 ^a	1.36			
Citrulline	0.05	0.04	0.08	0.07	0.08	0.07	0.06	0.06	0.05	0.04	0.12	0.09	0.14	0.08	0.16	0.07	0.13	0.05	0.09	0.04	0.11	0.04			
Cystathionine 2	0.38	0.16	0.96	0.26	0.88	0.36	0.78	0.55	0.69	0.37	0.77	0.41	0.77 ^{ab}	0.14	0.80 ^{ab}	0.28	0.83 ^{ab}	0.12	0.93 ^a	0.17	0.60 ^b	0.16			
Ammonium	3.87	0.34	3.78	0.35	3.96	0.26	3.91	0.21	4.16	0.27	3.79	0.29	3.44	0.45	3.57	0.10	3.30	0.12	3.24	0.25	3.51	0.13			
SUM Free AA	41.6	3.2	48.6	3.1	47.6	3.1	46.7	5.9	46.4	3.2	46.8	4.2	47.7	3.1	47.1	3.1	47.2	2.7	46.8	2.4	46.7	3.2			

Treatments being control, chronic low, chronic medium, chronic high and high pulse abbreviated Control, CL, CM, CH and HP, respectively. Values are given as mean and standard deviation (SD). Means not sharing a common letter, at the same sampling date, are significantly different (Student–Newman–Keuls test, $P < 0.05$)