

Table 3 Relationships among growth parameters and physico-chemistry of the test media (water)

	Fish Weight	Feed intake	FCE	K Factor	NH ₃	DO	CO ₂	EC	Na	K	Ca
<i>Ctenopharyngodon idella</i>											
Feed intake	-0.32049										
FCE	0.59079	-0.93282									
K Factor	0.15632	-0.22695	0.27898								
NH ₃	-0.42583	0.09770	-0.23405	0.07333							
DO	-0.25228	0.14805	-0.27390	0.24504	0.51249						
CO ₂	-0.00507	-0.07893	-0.03852	0.22596	0.76013	0.79954					
EC	-0.00507	0.12071	-0.12409	0.28506	-0.17009	0.09685	-0.01414				
Na	-0.25172	0.30924	-0.34967	-0.23365	0.02293	-0.13326	-0.15881	-0.28025			
K	-0.08174	-0.19700	0.12222	0.34270	0.13259	0.50227	0.33513	0.01077	-0.08536		
Ca	0.05098	-0.03852	0.12047	-0.35680	0.02198	-0.12769	0.11899	-0.32590	0.27974	0.00435	
Mg	0.00868	-0.10149	-0.00094	0.35944	0.25478	0.34924	0.25746	0.53009	-0.20854	0.05458	-0.75494
<i>Hypophthalmichthys molitrix</i>											
Feed intake	-0.09199										
FCE	0.31244	-0.94723									
K Factor	0.26892	0.46066	-0.35265								
NH ₃	-0.13702	0.14312	-0.18065	-0.22472							
DO	-0.17004	0.25809	-0.29409	-0.31880	0.78304						
CO ₂	-0.27722	0.00947	-0.03785	-0.28716	0.72263	0.85136					
EC	0.03940	-0.05408	0.11659	0.04496	-0.32516	-0.17427	-0.16380				
Na	0.19079	0.10430	0.00609	0.19227	0.27756	0.26713	0.51527	-0.07719			
K	-0.16685	0.11178	-0.03373	-0.10628	0.32427	0.22541	0.36449	0.17406	0.56579		
Ca	0.02665	0.01007	-0.03334	0.29746	-0.42915	-0.47416	-0.30942	0.20381	0.16126	-0.12402	
Mg	-0.20345	-0.00780	0.02005	-0.28186	0.24623	0.39283	0.34801	0.07441	-0.11719	0.30966	-0.86223

Critical value (2 tail 0.05) \pm 0.45425

Control

Feed intake	-0.7228										
FCE	0.85764	-0.88561									
K Factor	-0.17111	0.18812	-0.24989								
NH ₃	0.11618	-0.28893	0.43973	-0.43161							
DO	0.54901	-0.42598	0.41022	-0.29343	0.40044						
CO ₂	-0.46774	-0.21264	0.00539	-0.18401	0.47408	-0.23301					
EC	-0.28737	-0.16012	0.17788	-0.03967	0.34619	-0.60787	0.72721				
Na	0.22278	-0.23434	0.12574	0.09313	-0.31797	-0.01812	-0.13963	-0.09031			
K	-0.02264	-0.16971	0.04664	0.05632	-0.11969	-0.13246	0.21314	0.14013	0.54087		
Ca	0.50513	0.09836	0.16826	0.14301	-0.50133	-0.19591	-0.78589	-0.27073	0.22001	-0.05661	
Mg	-0.39445	-0.08853	-0.12021	-0.01522	0.16795	-0.11272	0.58191	0.38825	-0.08232	0.03132	-0.58502

Critical value (2 tail 0.05) \pm 0.39521

Note: FEC=Feed conversion efficiency; K Factor=Condition factor; NH₃=Total ammonia (mg/L); DO=Dissolved oxygen (mg/L); CO₂=Carbon Dioxide; E.C.=Electrical conductivity (mS/cm); Na=Sodium (mg/L); K=Potassium (mg/L); Ca=Calcium (mg/L); Mg=Magnesium (mg/L)