

Table 11 Tukey's HSD analysis of morphometric parameters of fish fed with control and Vitamin E mixed diets under normal and *Aeromonas hydrophila* infection

S. No.	Pairwise comparison	Tukey's HSD	Q – value	p – value
1	T1 : T2	0.29	0.14	0.99966 ^{NS}
2	T1 : T3	2.13	1.03	0.88411 ^{NS}
3	T1 : T4	0.40	0.19	0.99906 ^{NS}
4	T2 : T3	2.41	1.17	0.84027 ^{NS}
5	T2 : T4	0.69	0.33	0.99534 ^{NS}
6	T3 : T4	1.73	0.84	0.93350 ^{NS}

T1 – Healthy fish fed with control diet

T2 - *Aeromonas* infected fish fed with control diet

T3 – Healthy fish fed with Vitamin E mixed diet

T4 – *Aeromonas* infected fish fed with Vitamin E mixed diet

Q-value - studentized range statistic value,

p < 0.05 - Significant

p-value* = Significant, p-value** = highly significant, p-value*** = extremely significant,

p-value^{NS} = Not Significant

Table 12 Comparative morphometric parameters of fish fed with control and Chitin mixed diets under normal and *Aeromonas hydrophila* infection

S. No.	Morphometric parameter	Control feed		Chitin feed	
		Healthy fish (T1)	<i>Aeromonas</i> infected fish (T2)	Healthy fish (T3)	<i>Aeromonas</i> infected fish (T4)
1	BL (cm)	1.4	1.3	1.6	1.3
2	BW (cm)	0.7	0.4	0.5	0.4
3	W (g)	18.7	15.6	15.5	20.4
4	HL (cm)	0.5	0.6	0.5	0.5
5	HD (cm)	0.5	0.5	0.5	0.4
6	ED (cm)	0.2	0.2	0.1	0.2
7	PD (cm)	0.1	0.1	0.1	0.1
8	CPL (cm)	0.7	0.5	0.5	0.6
9	CPW (cm)	0.2	0.3	0.4	0.4
10	CFL (cm)	0.4	0.3	0.5	0.5
11	DFL (cm)	0.5	0.4	0.5	0.5
12	PcFL (cm)	0.5	0.4	0.3	0.5
13	PIFL (cm)	0.4	0.4	0.4	0.4
14	AFL (cm)	0.4	0.2	0.4	0.4

Table 13 One-way ANOVA analysis of morphometric parameters of fish fed with control and Chitin mixed diets under normal and *Aeromonas hydrophila* infection

Normal Feed/ Chitin Feed	SS	DF	MS	F – value
Between groups (Treatment)	1.4657	3	0.4886	0.02301
Within groups	1104.0314	52	21.2314	
Total	1105.4971	55		

SS - Sum of Squares,

DF - Degrees of Freedom,

MS - Mean Squares,

F-value -- variation between mean values