

Table 7 One-way ANOVA analysis of morphometric parameters of fish fed with control and vitamin C mixed diets under normal and *Aeromonas hydrophila* infection

Control feed/ Vitamin C mixed feed	SS	DF	MS	F – value
Between groups	3.7066	03	1.2355	0.05331
Within groups	1205.1238	52	23.1755	
Total	1208.8303	55		

SS - Sum of Squares,

DF - Degrees of Freedom,

MS - Mean Squares,

F-value -- variation between mean values

Table 8 Tukey's HSD analysis of morphometric parameters of fish fed with control and vitamin C mixed diets under healthy and *Aeromonas hydrophila* infection

S. No.	Pairwise comparisons	Tukey's HSD	Q – value	p – value
1	T1 : T2	0.29	0.22	0.99860 ^{NS}
2	T1 : T3	0.40	0.31	0.99610 ^{NS}
3	T1 : T4	0.14	0.11	0.99982 ^{NS}
4	T2 : T3	0.69	0.54	0.98128 ^{NS}
5	T2 : T4	0.14	0.11	0.99982 ^{NS}
6	T3 : T4	0.55	0.42	0.99047 ^{NS}

T1 – Healthy fish fed with control diet,

T2 - *Aeromonas* infected fish fed with control diet,

T3 – Healthy fish fed with Vitamin C mixed diet,

T4 – *Aeromonas* infected fish fed with Vitamin C 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 9 Comparative morphometric parameters of fish fed with control and vitamin E mixed diets under normal and *Aeromonas hydrophila* infection

S. No.	Morphometric parameter	Control feed		Vitamin E 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	2	1.7
2	BW (cm)	0.7	0.4	0.8	0.5
3	W (g)	18.7	15.6	47.5	24
4	HL (cm)	0.5	0.6	0.7	0.7
5	HD (cm)	0.5	0.5	0.5	0.4
6	ED (cm)	0.2	0.2	0.2	0.1
7	PD (cm)	0.1	0.1	0.1	0.1
8	CPL (cm)	0.7	0.5	0.3	0.4
9	CPW (cm)	0.2	0.3	0.4	0.3
10	CFL (cm)	0.4	0.3	0.6	0.6
11	DFL (cm)	0.5	0.4	0.5	0.4
12	PcFL (cm)	0.5	0.4	0.4	0.5
13	PIFL (cm)	0.4	0.4	0.4	0.6
14	AFL (cm)	0.4	0.2	0.6	0.5

Table 10 One-way ANOVA analysis of morphometric parameters of fish fed with control and vitamin E mixed diets under normal and *Aeromonas hydrophila* infection

Normal feed/ Vitamin E mixed feed	SS	DF	MS	F – value
Between groups (Treatment)	49.2079	03	16.4026	0.27653
Within groups	3084.3857	52	59.3151	
Total	3133.5936	55		

SS - Sum of Squares,

DF - Degrees of Freedom,

MS - Mean Squares,

F-value -- variation between mean values