

Supplementary Materials: Influence of Feeding Quinoa (*Chenopodium quinoa*) Seeds and Prickly Pear Fruit (*Opuntia ficus indica*) Peel on the Immune Response and Resistance to *Aeromonas sobria* Infection in Nile Tilapia (*Oreochromis niloticus*)

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Table S1. Formulation and calculated composition analysis of the basal and experimental diets fed to *O. niloticus* fish.

Items	g /kg diet*				
	Control	PP10	PP20	QU10	QU20
Ingredient					
Yellow corn	210	210	210	210	210
Soybean meal 48% CP	200	200	200	200	200
Fish meal	150	150	150	150	150
Corn gluten 60% CP	130	130	130	130	130
Rice bran	110	110	110	110	110
Wheat middlings	150	150	150	150	150
Premix-Min**	10	10	10	10	10
Premix-Vit***	10	10	10	10	10
Corn oil	30	30	30	30	30
Total	1000	1000	1000	1000	1000
Calculated composition (%)					
Crude protein	32.05	27.00	29.00	31.00	32.00
Lipid	4.55	7.00	9.00	6.00	6.00
Crude fiber	4.24	5.57	5.70	3.86	5.35
Ash	7.30	7.60	6.30	8.30	6.60
Nitrogen free extract****	51.85	52.83	50.00	50.84	50.05

*Control: (basal diet without any additives), PP10: (900 g basal diet+100 g Prickly pear fruit peel), PP20 (800 g basal diet+200 g Prickly pear fruit peel), QU10: (900 g basal diet+100 g Quinoa seeds), and QU20: (800 g basal diet+200 g Quinoa seeds). **Composition of mineral premix kg⁻¹: manganese, 53 g; zinc, 40 g; iron, 20 g; copper, 2.7 g; iodine, 0.34 g; selenium, 70 mg; cobalt, 70 mg and calcium carbonate as carrier up to 1 kg. ***Composition of vitamin premix kg⁻¹: vitamin A, 8,000,000 IU; vitamin D3, 2,000,000 IU; vitamin E, 7,000 mg; vitamin K3, 1,500 mg; vitamin B1, 700 mg; vitamin B2, 3,500 mg; vitamin B6, 1,000 mg; vitamin B12, 7 mg; biotin, 50 mg; folic acid, 700 mg; nicotinic, 20,000 mg; pantothenic acid, 7,000 mg. ****Nitrogen free extract = 100 – (crude protein + Crude lipids + ash + crude fiber).