



Supplementary Material

Effect of 25(OH)D₃ Supplementation in Sows' Diets on Heart Development in Neonatal Piglets

Qingyue Han¹, Ying Li¹, Jichang Deng¹, Kunxuan Huang¹, Yanyang Yang¹,
Quanwei Li¹, Zhuowei Zhang¹, Na Qiao¹, Yanju Ji², Khalid Mehmood³,
Sarfraz Ali Fazlani⁴, Hui Zhang¹ and Zhaoxin Tang^{1*}

¹College of Veterinary Medicine, South China Agricultural University, Guangzhou 510642, China.

²Huizhou Engineering Vocational College, Huizhou, China.

³Faculty of Veterinary and Animal Sciences, Islamia University of Bahawalpur, Bahawalpur, Pakistan.

⁴Lasbela University of Agriculture Water and Marine Sciences, Uthal, Balochistan Pakistan.

Supplementary Table S1. Composition and nutrient levels of the basal diet.

Ingredients	Contents (%)	Nutritional level	Contents (%)
Corn (7.8%)	58.97	Dry material, %	87.33
Soybean meal (48%)	20.1	Sodium (Na), %	0.21
Wheat bran (16.5%)	10	Chlorine (Cl), %	0.301
Fish powder (67%)	3	Crude protein, %	18.527
Soybean	2		
Soybean oil	1.5		
Palm oil	1.5		
Premix *	1		
NaCl	0.4		
Total	100		

* The premix provided the following per kg of diets: V_A10500 IU, V_E 70 IU, V_{K3} 3 mg, V_{B1} 3 mg, V_{B2} 7.5 mg, V_{B6} 4.5 mg, V_{B12} 0.03 mg, V_{B3} 30 mg, V_{B5} 15 mg, V_{B9} 1.5 mg, V_H 0.12 mg, V_{D3} 800 IU, Cu 20 mg, Fe 100 mg, Zn 100 mg, Mn 20 mg, I 0.08 mg, Se 0.30 mg and Cr 0.20 mg.

Supplementary Table S2. Composition levels of Ca/P and 25(OH)D₃ in the basal diet.

Groups	Ca/P (%)	25(OH)D ₃
Control group (CG)	0.75/0.592	0 µg
Low calcium group (LCa)	0.65/0.513	0 µg
25(OH)D ₃ group (VD)	0.75/0.592	50 µg
Low calcium + 25(OH)D ₃ group (LCa+VD)	0.65/0.513	50 µg

* Corresponding author: tangzx@scau.edu.cn
0030-9923/2023/0001-497 \$ 9.00/0



Copyright 2023 by the authors. Licensee Zoological Society of Pakistan.

This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).