

In-feed supplementation of a novel 4th-generation phytase improves growth performance and reduces wooden breast severity in Ross 708 broilers through modulation of muscle glucose uptake and metabolism

**Carrie, L. Walk¹, Garrett, J. Mullenix^{2,#}, Craig, W. Maynard^{2,\$}, Elisabeth, S. Greene²,
Nelson Ward³, Sami Dridi^{2*}**

¹DSM Nutritional Products, 4303 Kaiseraugst, Switzerland

²Department of Poultry Science, University of Arkansas, Fayetteville, AR 72701, USA

³DSM Nutritional Products, Jerusalem, OH, 43747, USA

[#]Actual address: Cargill Inc., Plymouth, MN 55441, USA

^{\$}Actual address: Bell and Evans, Fredericksburg, PA 17026, USA

*Corresponding author: Sami Dridi, Center of Excellence for Poultry Science, University of Arkansas, 1260 W. Maple Street, Fayetteville, AR 72701, USA

Phone: (479)-575-2583, Fax: (479)-575-7139, email: dridi@uark.edu

Figure 2h

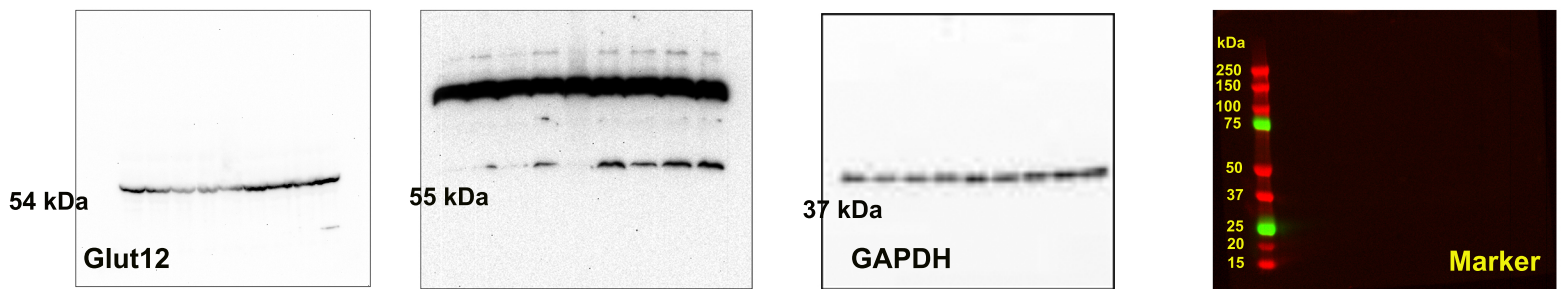


Figure 3f

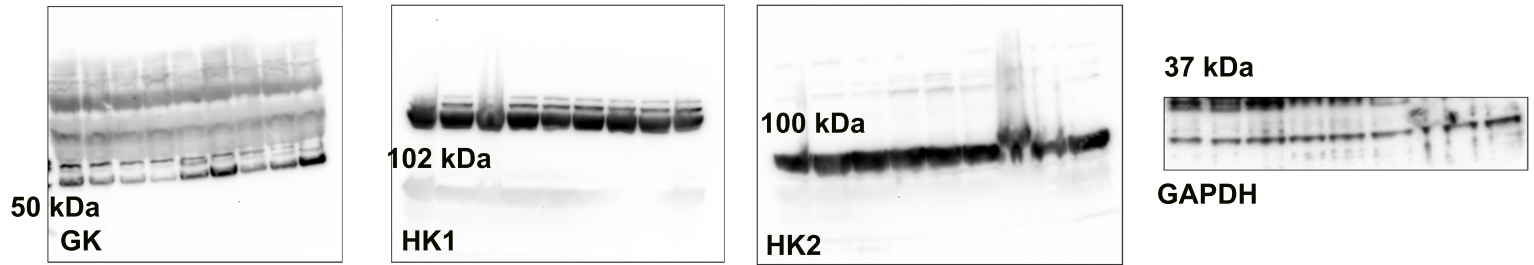


Figure 5a

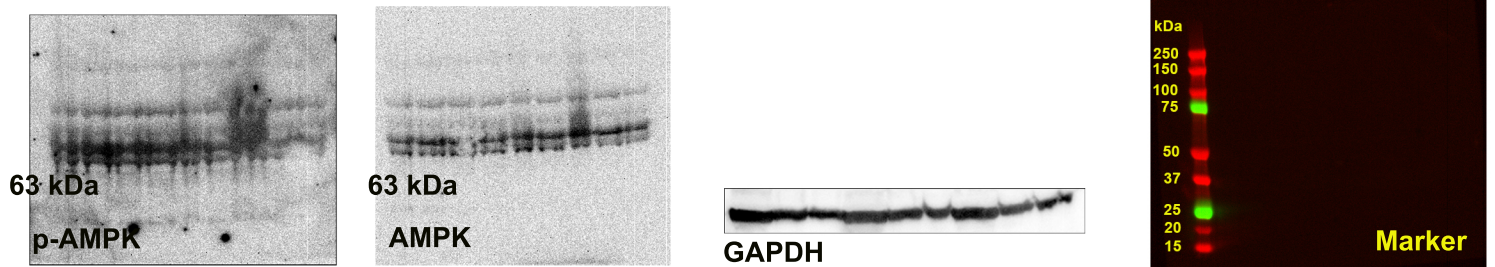


Figure 6a

