

Supplementary Table S1. Bulls ration composition

Diet composition			
60% of total ration	corn silage	65%	
	alfalfa hay	35%	
40% of total ration	corn grains	39%	
	wheat bran	12%	
	soybean meal	10%	
	barley grains	26%	
	ddgs	11%	
	minerals and vitamins premix	2%	
		Ca	19%
		P	3,20%
		Mg	2,80%
		Na	8%
		Vit A	520000 I.U./kg premix
		Vit D3	72000 I.U./kg premix
		Vit E	4000 mg/kg premix
		Zn	2400 mg/kg premix
		Mn	2400 mg/kg premix
		I	120 mg/kg premix
		Co	12 mg/kg premix
		Se	12 mg/kg premix