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77, 299, 1997

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Tissue localization of threonine oxidation in pigs.

77, 593, 1997

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Immunocompetence in relation to a heat-processed diet (Maillard reaction) in weanling rats.

77, 947, 1997

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77, 897, 1997

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77, 375, 1997

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77, 551, 1997

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77, 863, 1997

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77, 327, 1997

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The relationship between *in vitro* gas production, *in vitro* microbial biomass yield and ¹⁵N incorporation and its implications for the prediction of voluntary feed intake of roughages.

77, 911, 1997

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77, 551, 1997