

Figure S7

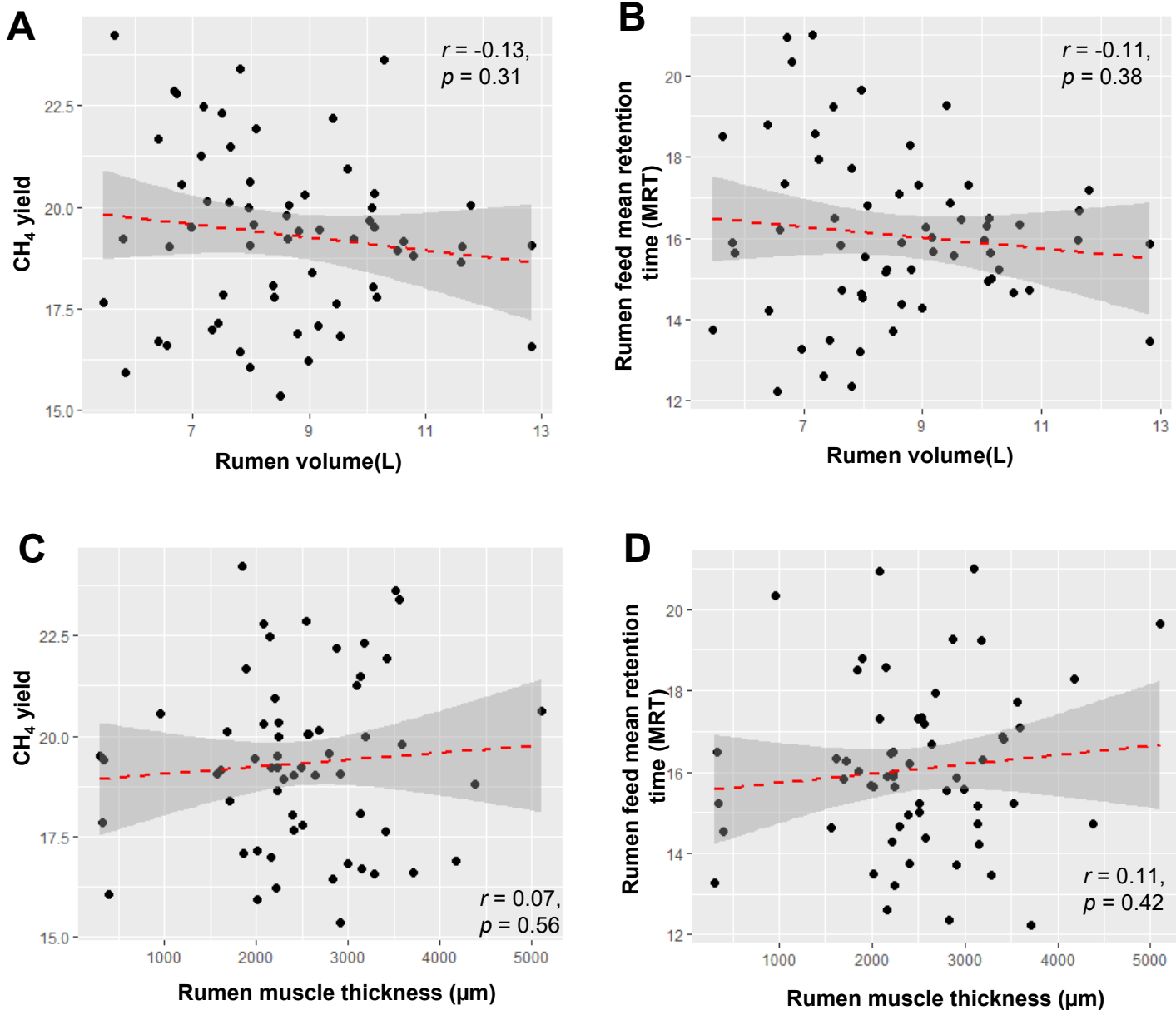


Figure S7. Relationships between rumen muscle parameters and CH₄ yield and mean retention time (MRT) in the Australian experiment. MRT unit is hours (h) and the CH₄ yield unit is (g/day/dry matter intake). Correlation coefficients (r) and significance (p) were indicated. The measurement of rumen muscle thickness was part of the experiments associated with (Bond et al. 2017). The whole depth ventral rumen wall tissue was cleaned and the frozen tissue was cryostat sectioned (10 - 12 mm) and stained in haematoxylin solution then rinsed in H₂O. The stained sections were scanned on NanoZoomer 2.0 RS and the muscle depth (mm) was measured using a straight line tool perpendicular from the surface of the outer layer of muscle to the edge of the inner side of the muscle layer.

Bond, J., Cameron, M., Donaldson, A., Austin, K., Harden, S., Robinson, D., et al. (2017). Aspects of digestive function in sheep related to phenotypic variation in methane emissions. *Animal Production Science* (online version: <https://doi.org/10.1071/AN17141>).