Carcass traits in sheep are highly heritable. For example, heritability of rib-eye area (REA) is 0.38, fat depth at the 12th and 13th rib is important. Most of the variation amongst animals at scanning time is attributed to weight and stage of development. Ultrasound scanning of the variation of the same age animals is difficult; therefore, ultrasound measurements need to be adjusted for the upper and lower extremes in LEA in these groups of lambs.