**S2a**



**S2b**



**Supplementary Figure S2** Digestible lysine requirement (g/MJ NE) during growth for the RFI groups (RFI-: dashed line; RFI0: dotted line; RFI+: crosses) for Landrace (LR, S2a) and Large White sire (LWS, S2b) populations. At each tested age, different letters mean significant differences between feed efficiency group LSMEANS (*P <* 0.05 within each age) in a mixed model including the contemporary group, the feed efficiency group, the animal age at the time point considered, and the interaction between the age and the feed efficiency group as fixed effects, the BW at the tested age as a covariate and repetition of the animal at the nine different time points tested as a random effect of the model.