



Figure 6. Energy balances during growth of *S. cerevisiae* on glucose without pH adjustment. The sum of the energy contents of the substrates consumed and the products formed (including biomass) per unit of ash free biomass formed (kJ/g_{af}) are presented as light grey and white columns (biomass dark grey), respectively: biomass (X), integrated heat (Q), glucose (G), ethanol (E), acetate (A), glycerol (g). Substrate and products obtained in concentrations less than 7 kJ/g_{af} are presented in the unlabeled boxes at the top of the columns. Results are expressed as the mean of two experiments.