



**Figure S2. PCoA analysis including all samples based on (a) KEGG profile and (b) genus profile.** Strain and diet strongly drive the separation at the KO level, but have less impact at the genus level. The empty, half-filled and full-filled points correspond to mice characterized as “lean”, or with “no significant increase in adipose tissue mass (NSI)”, and “significant increase adipose tissue mass (SI)”.