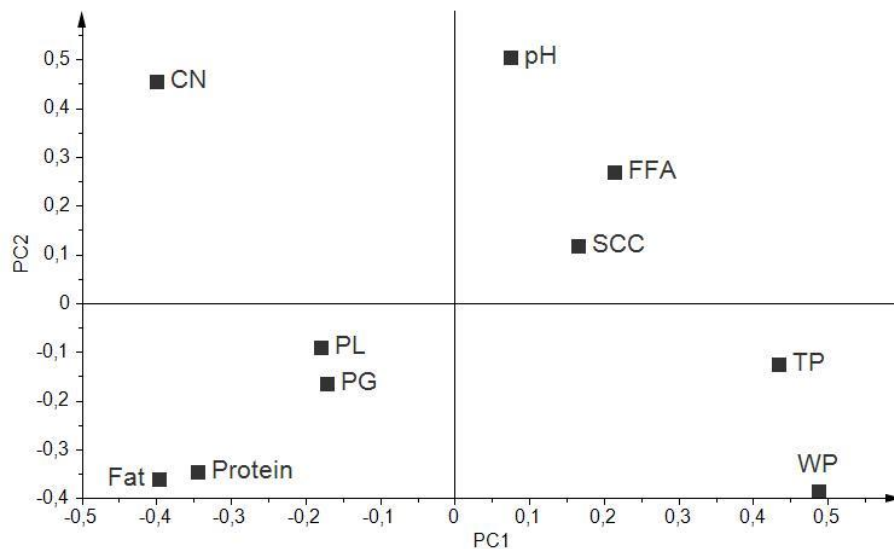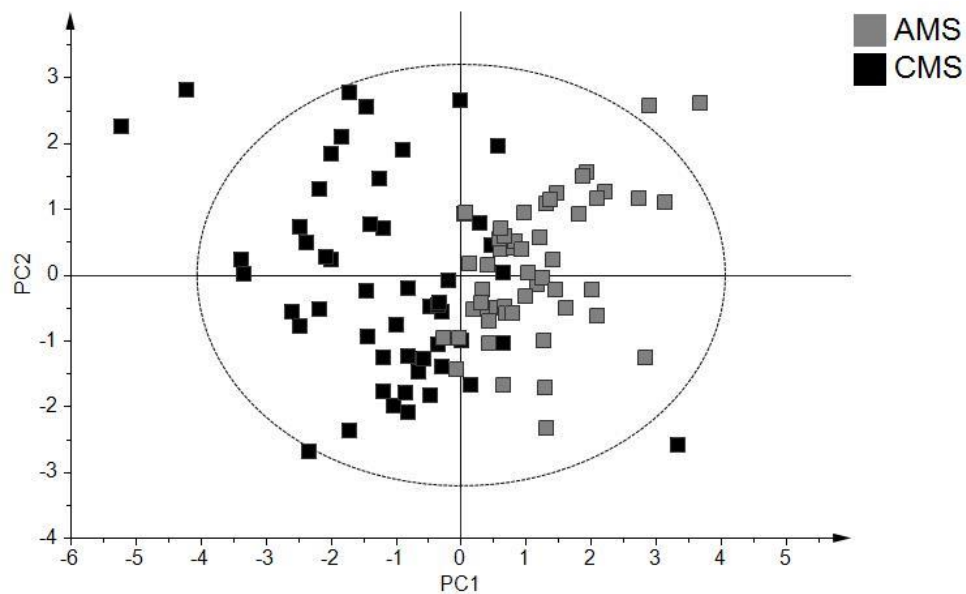**Composition and enzymatic activity in bulk milk from dairy farms with conventional or robotic milking systems**

Monika Johansson, Åse Lundh, Ruben de Vries and Kerstin Svennersten Sjaunja

SUPPLEMENTARY FILE

Supplementary file Figure S1 legend

Figure S1. Principal component analysis (PCA) of raw milk quality traits, a) score plot and b) loading plot, for bulk tank milk samples provided from farms with automated milking, AMS (n=51; grey squares) and farms with conventional milking systems, CMS (n=53; black squares), respectively. Of the total variation the first and second principal component explained 26% and 17%, respectively. Abbreviations: CN = total casein; FFA = free fatty acids; PL = plasmin; PG = plasminogen derived activity; SCC = somatic cell count; TP = total proteolysis; WP = total whey proteins.