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**Figure S1:** Seasonal variations of key lipids of bovine milk. Five significant metabolites changed in bovine milk. Boxplot of relative concentrations for some altered lipids. Boxplots show the minimum and maximum values, lower and upper quartiles, and median (grey circles are outliers). Y axes are represented as relative units. Early-season, between August and October, n =14; mid-season, between November and January n =15; and late-season, between February and April n =15.

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Description automatically generated**Figure S2:** Seasonal variations of key lipids of caprine milk. Eleven significant lipids changed in caprine milk. Boxplot of relative concentrations for some altered lipids. Boxplots show the minimum and maximum values, lower and upper quartiles, and median (grey circles are outliers). Y axes are represented as relative units. Early-season, between August and October, n =14; mid-season, between November and January n =15; and late-season, between February and April n =15.

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**Figure S3**: Seasonal variations of key lipids of ovine milk. Significant lipids changed in ovine milk. Boxplot of relative concentrations for some altered lipids. Boxplots show the minimum and maximum values, lower and upper quartiles, and median (grey circles are outliers). Y axes are represented as relative units. Early-season, between August and September, n= 8; mid-season, between October and November, n =8; and late-season, January, n =4.