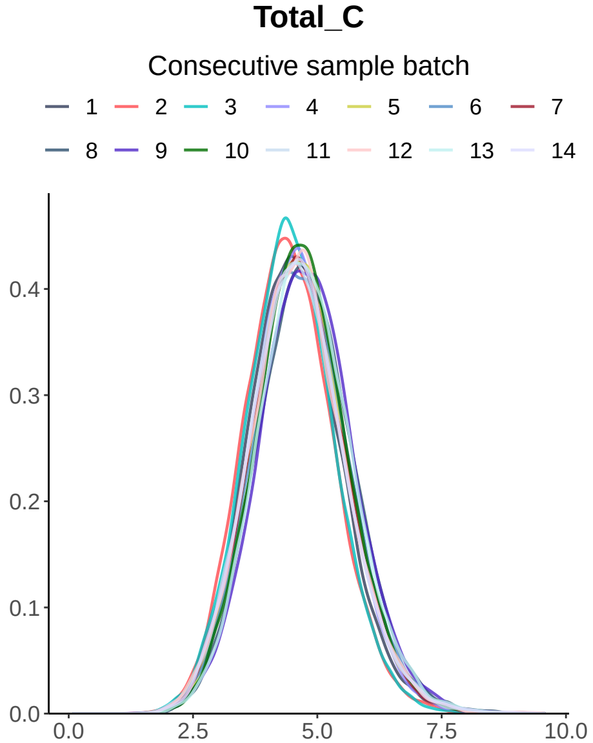
Distributions per consecutive sample batch (phase 1 and 2)

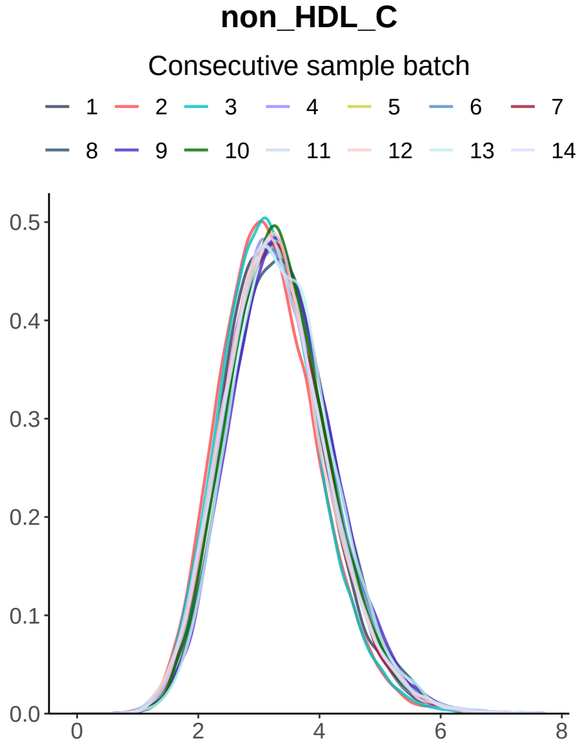
Outliers 4 × IQR from median removed
Nightingale Health Plc.

Cholesterol

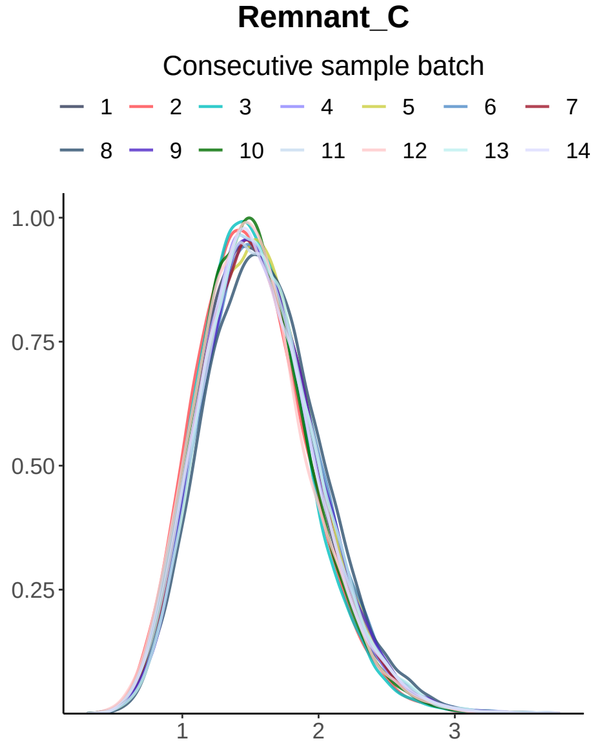
Total_C



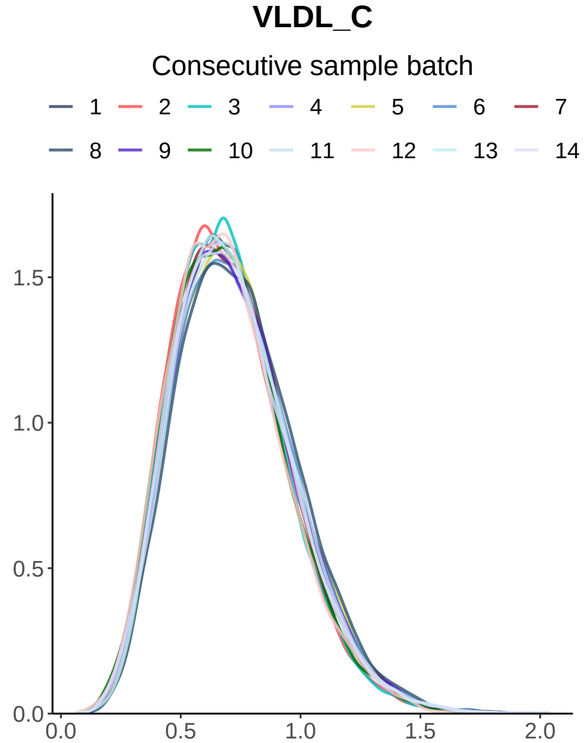
non_HDL_C



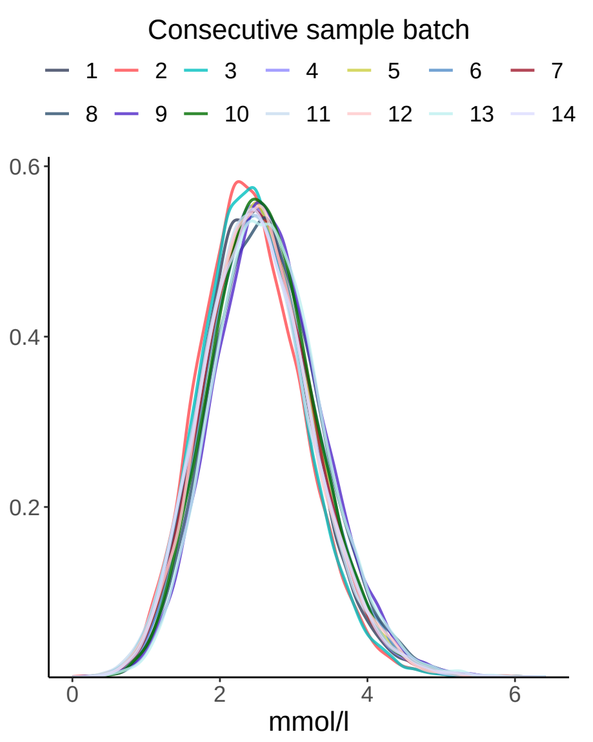
Remnant_C



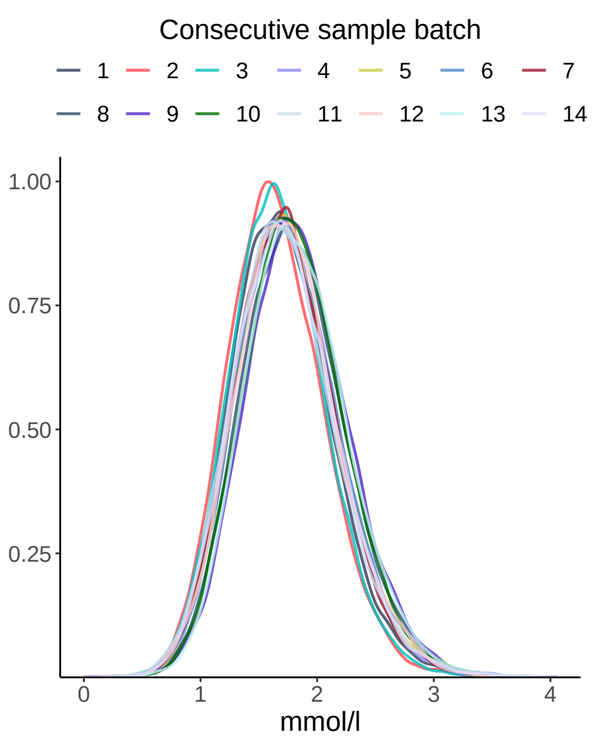
VLDL_C



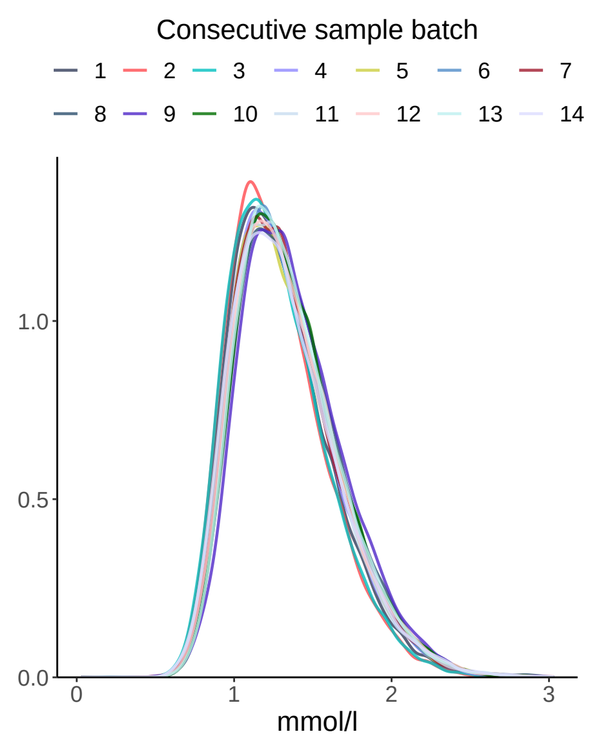
Clinical_LDL_C



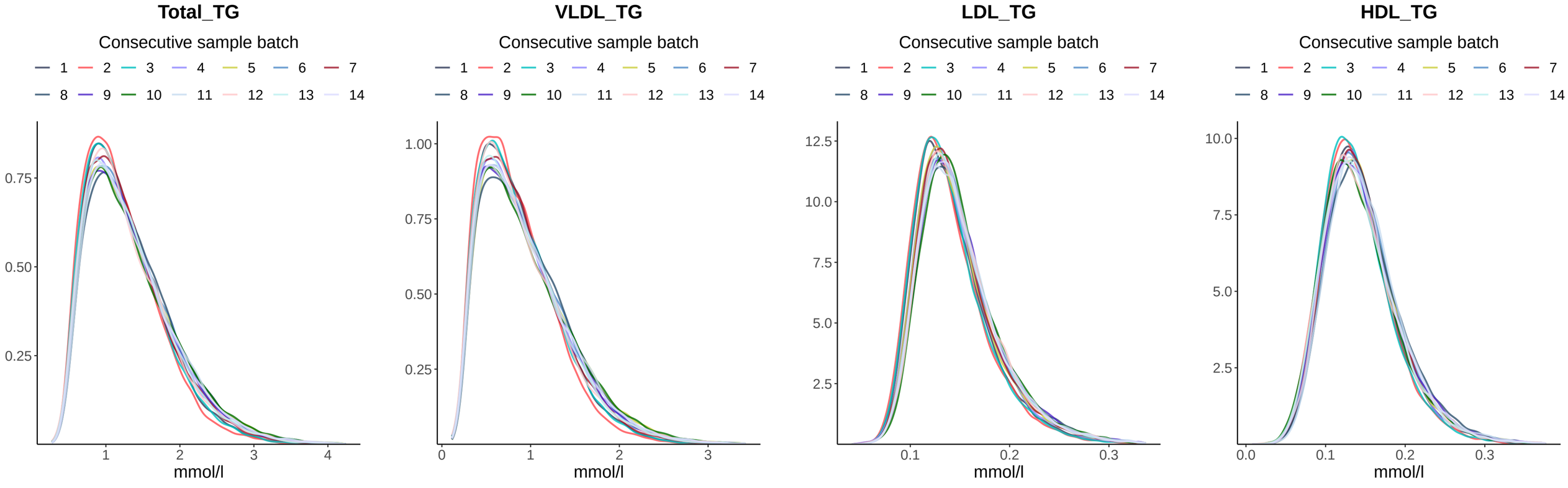
LDL_C



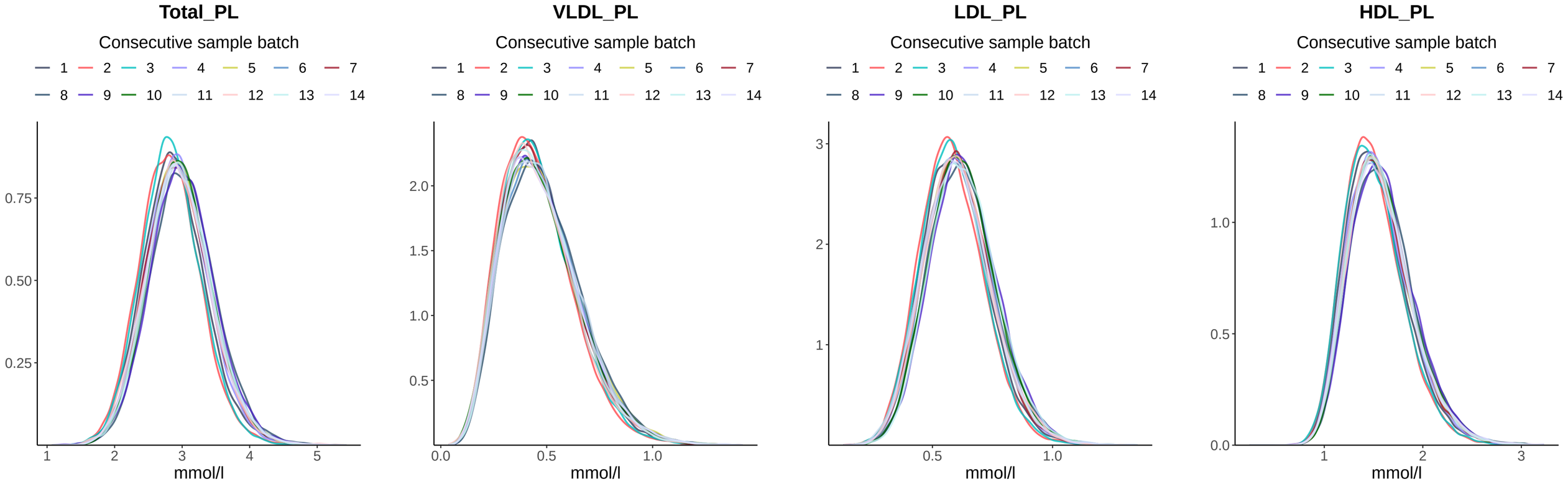
HDL_C



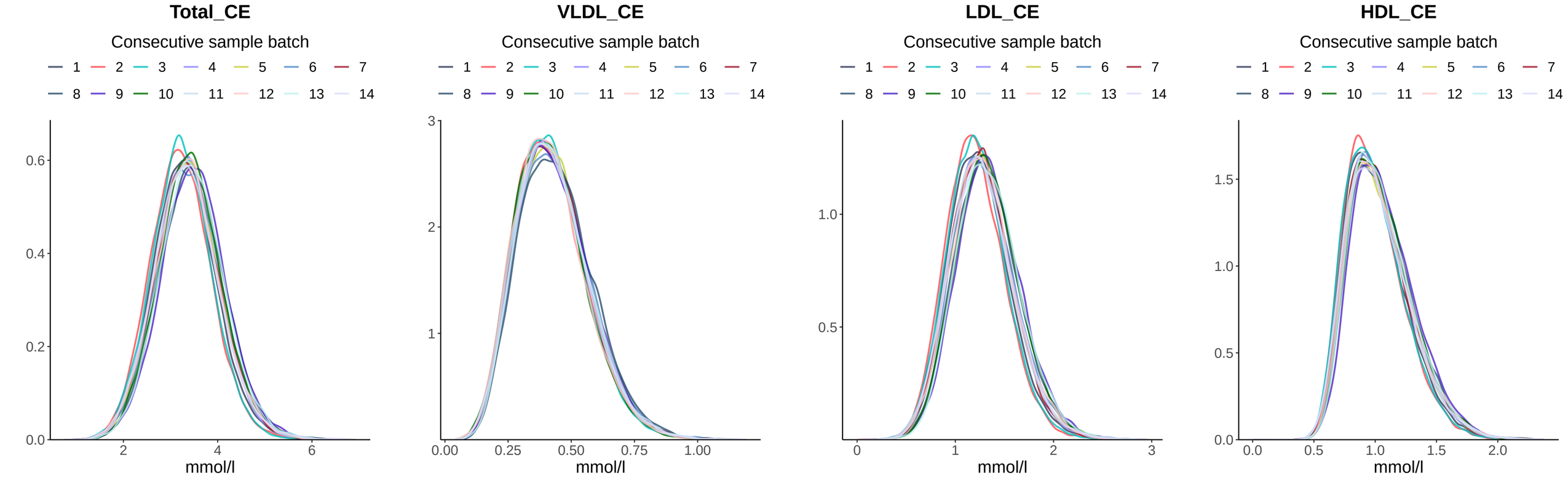
Triglycerides



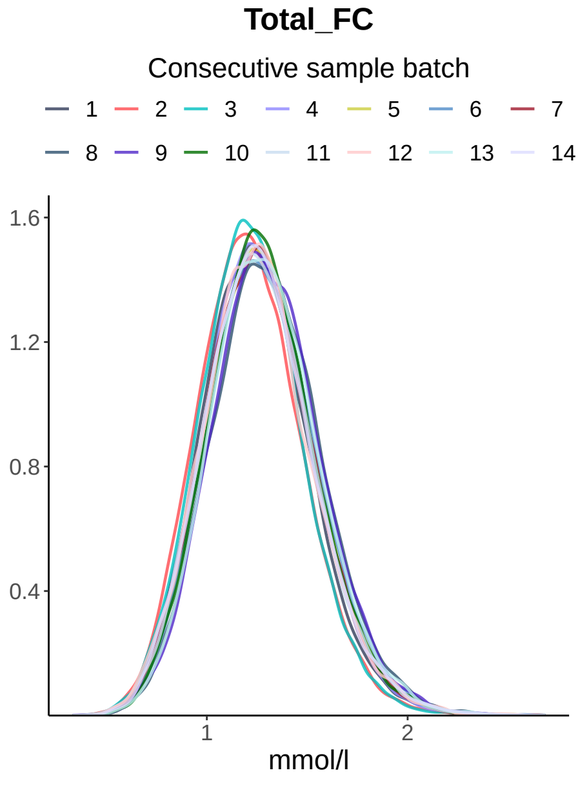
Phospholipids

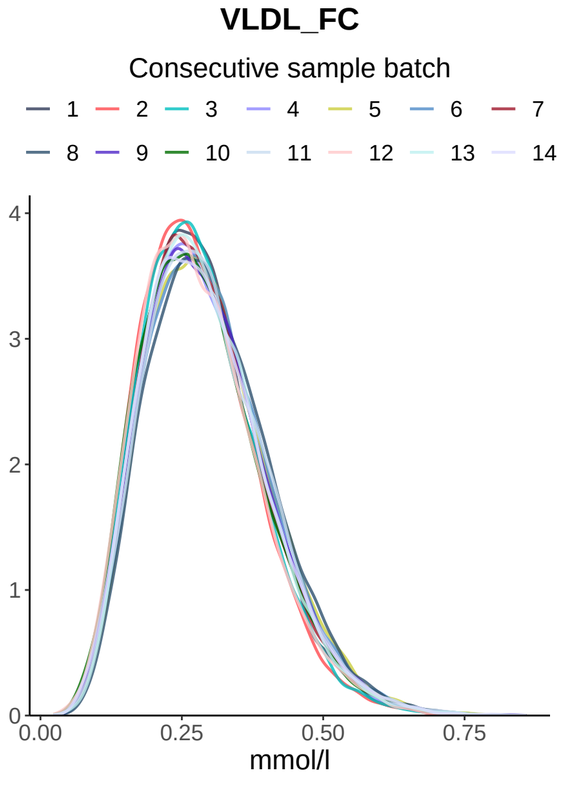


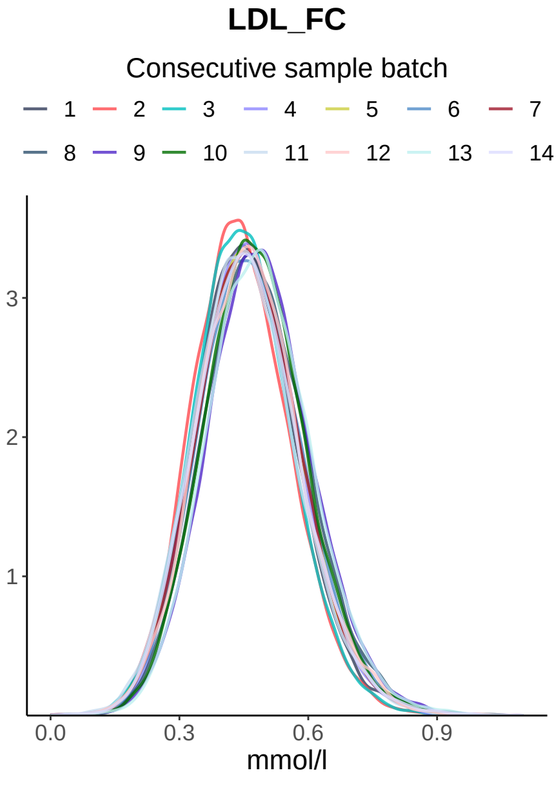
Cholesteryl esters

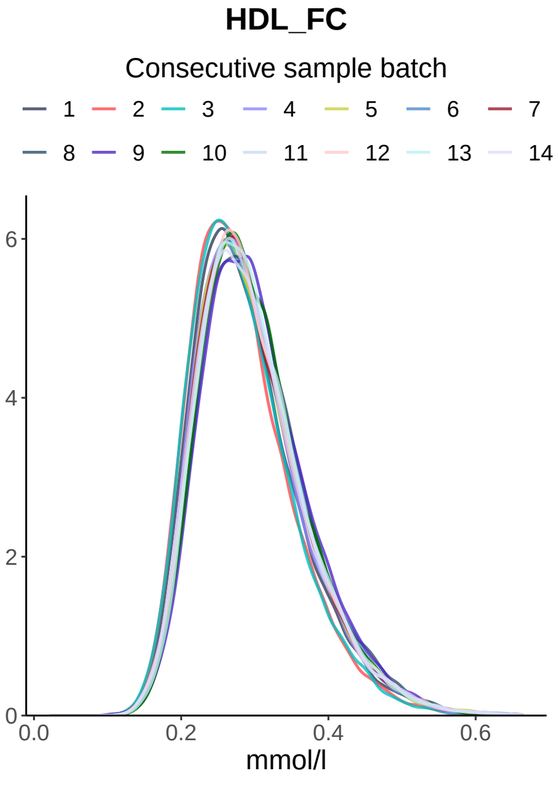


Free cholesterol

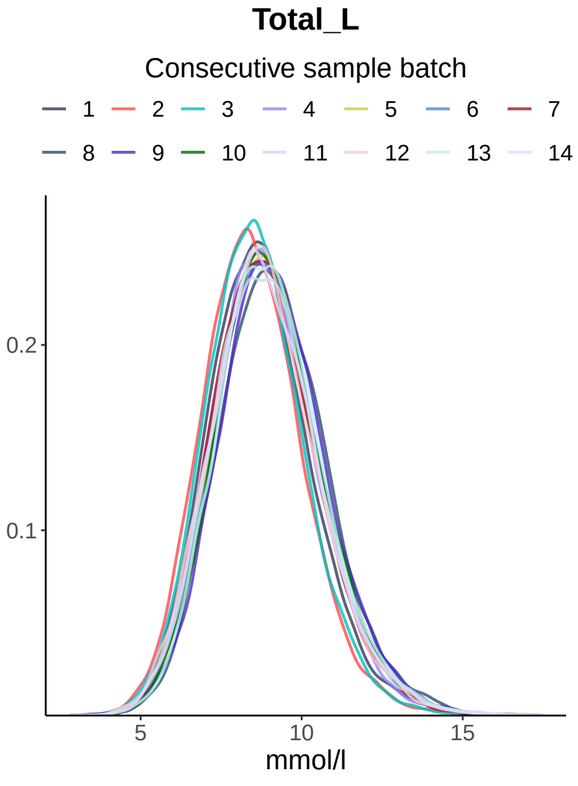


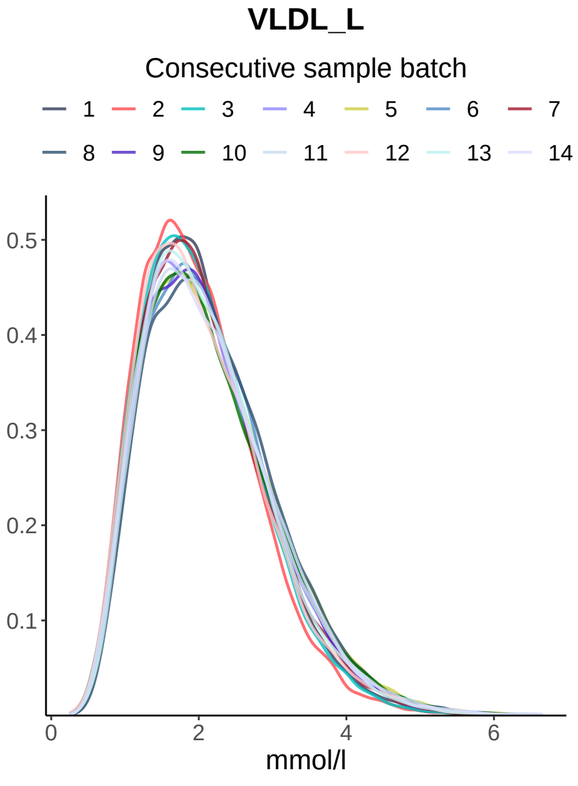


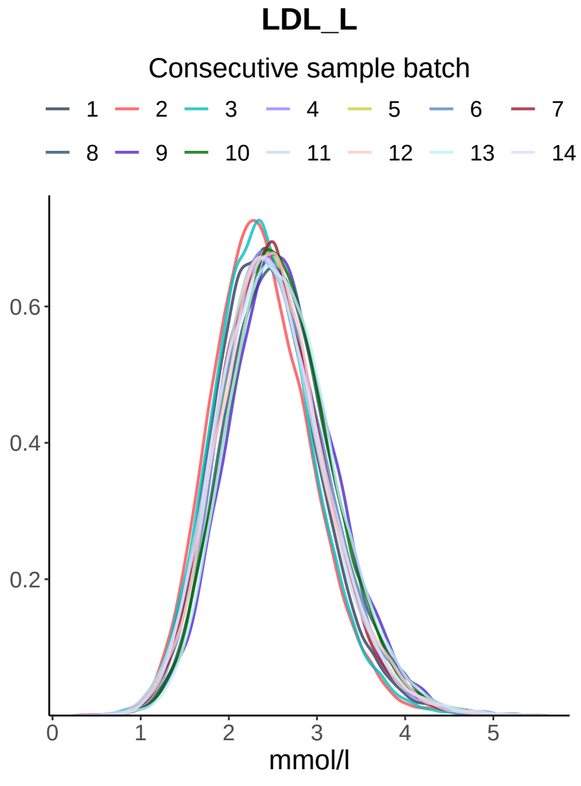


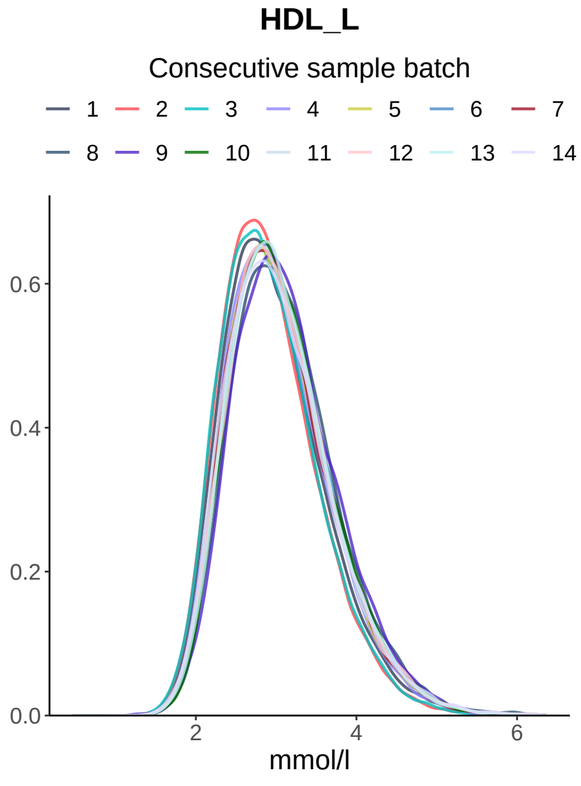


Total lipids

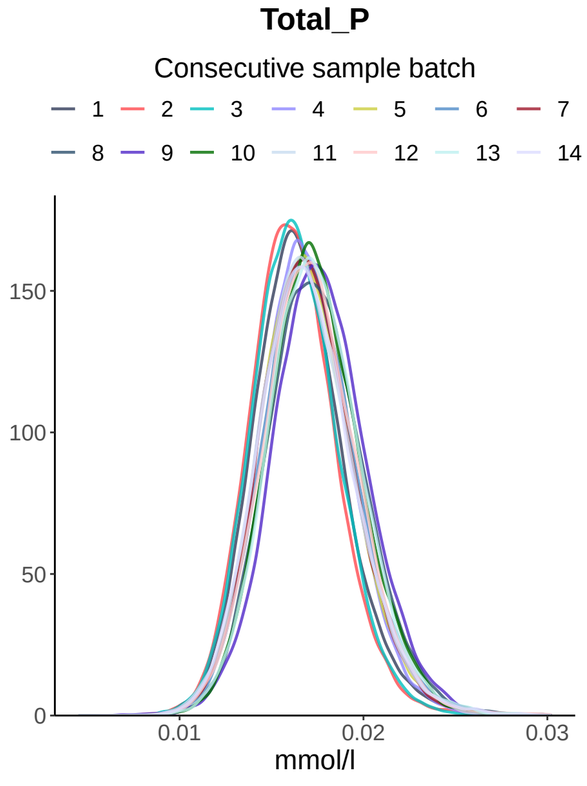


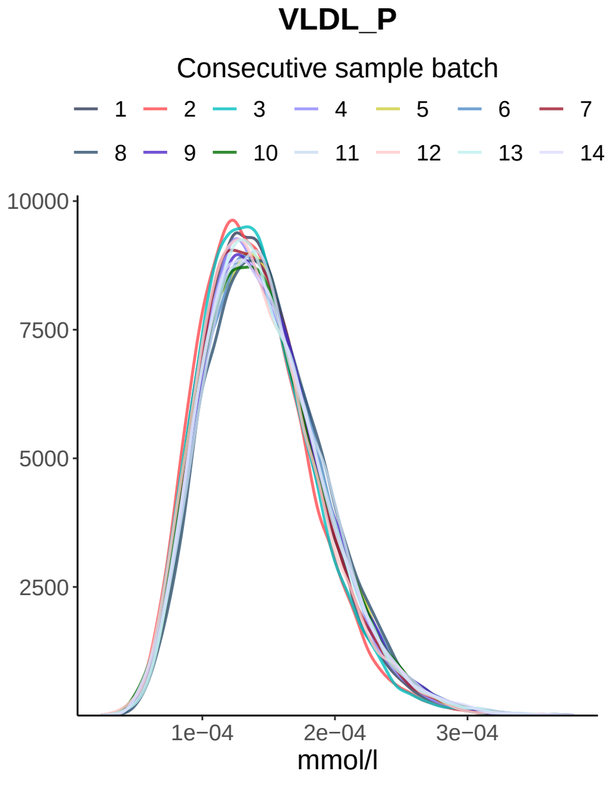


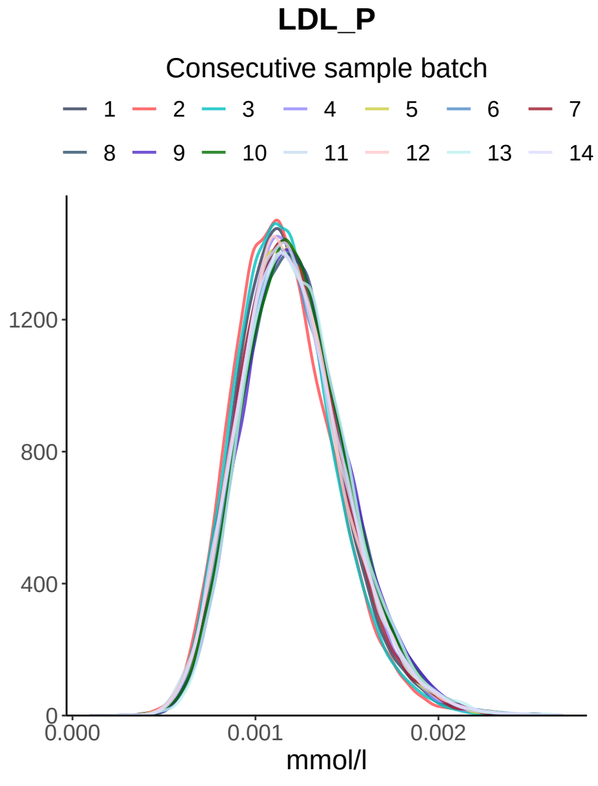


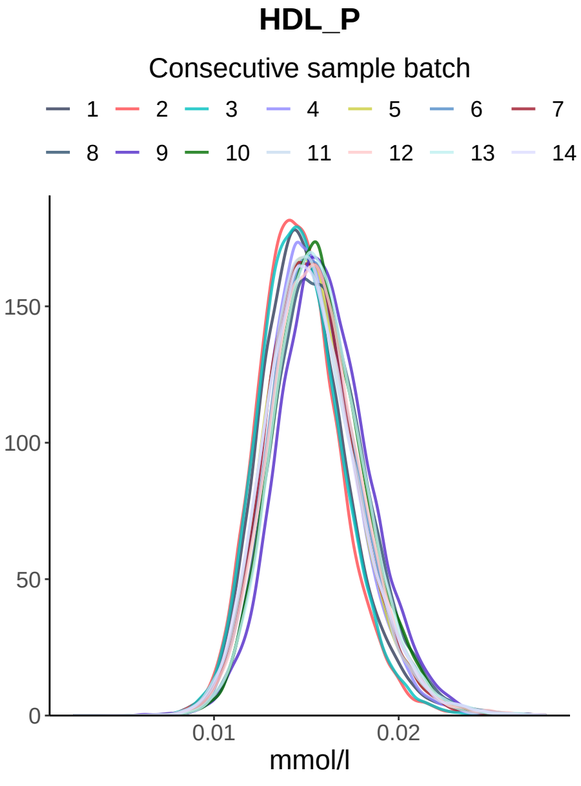


Lipoprotein particle concentrations

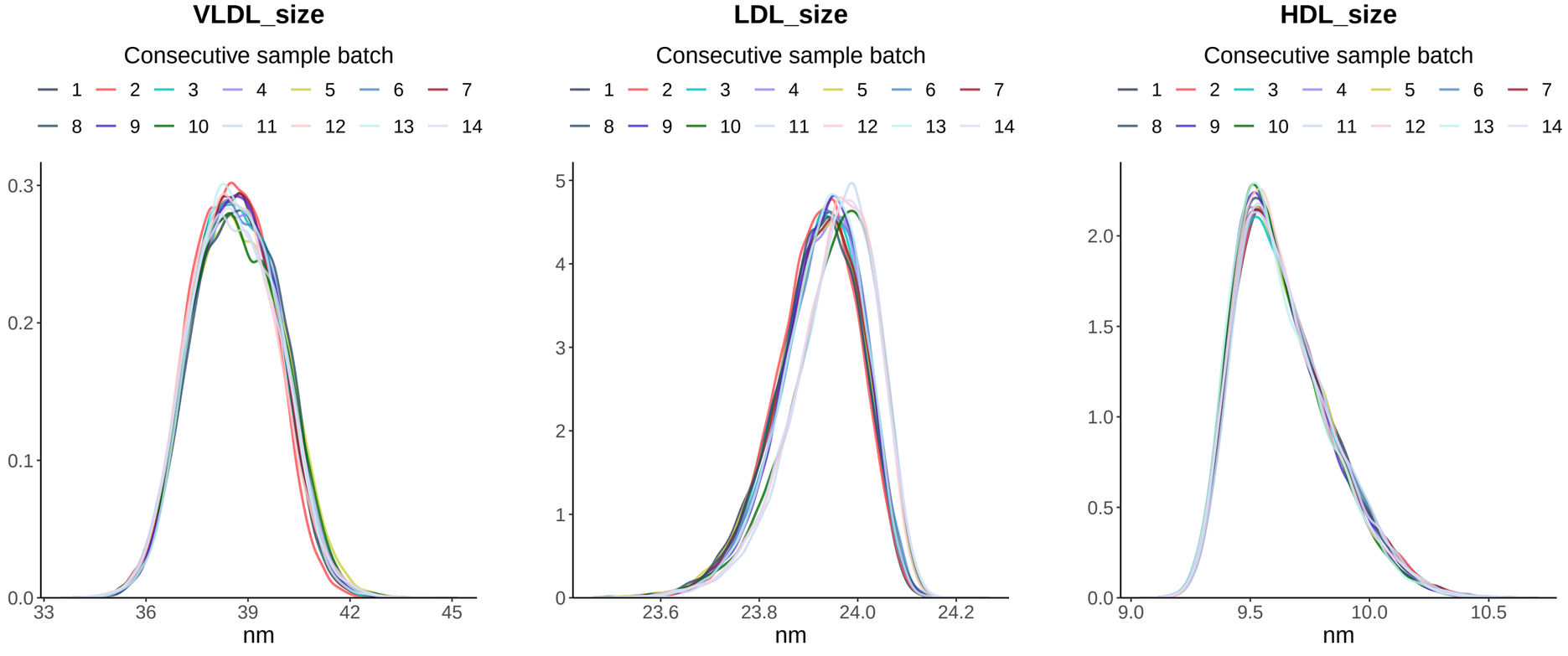






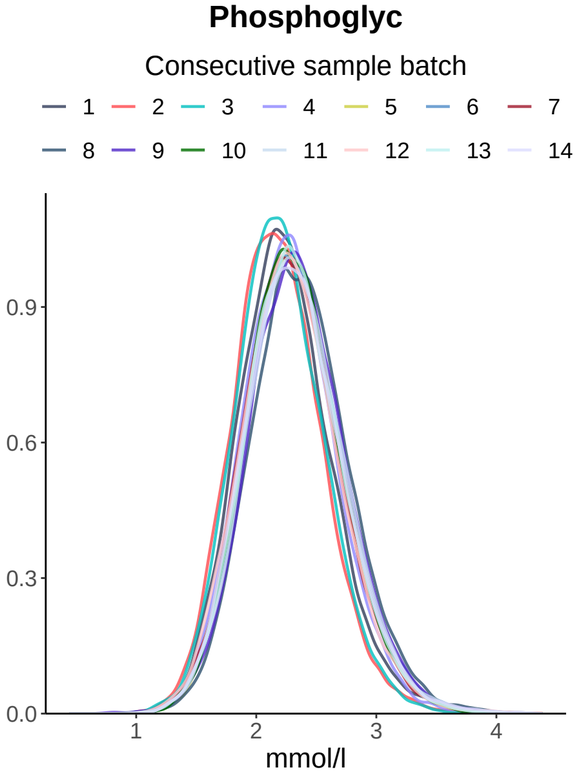


Lipoprotein particle sizes

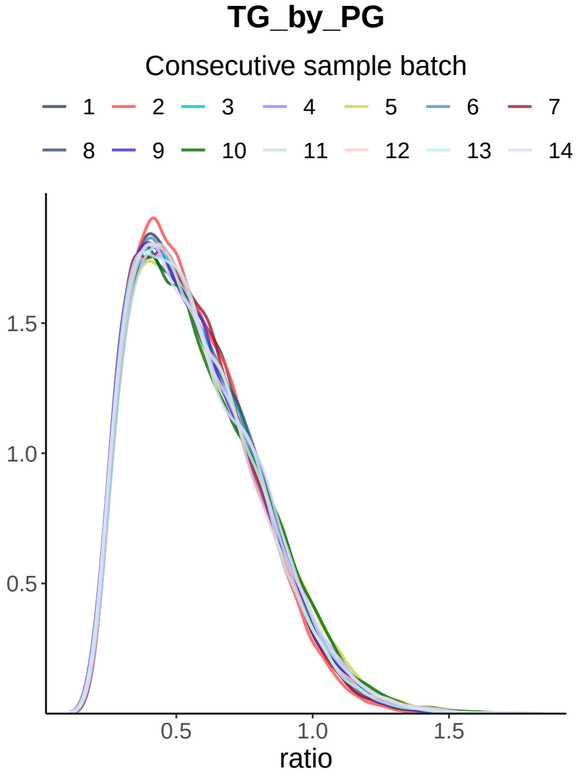


Other lipids

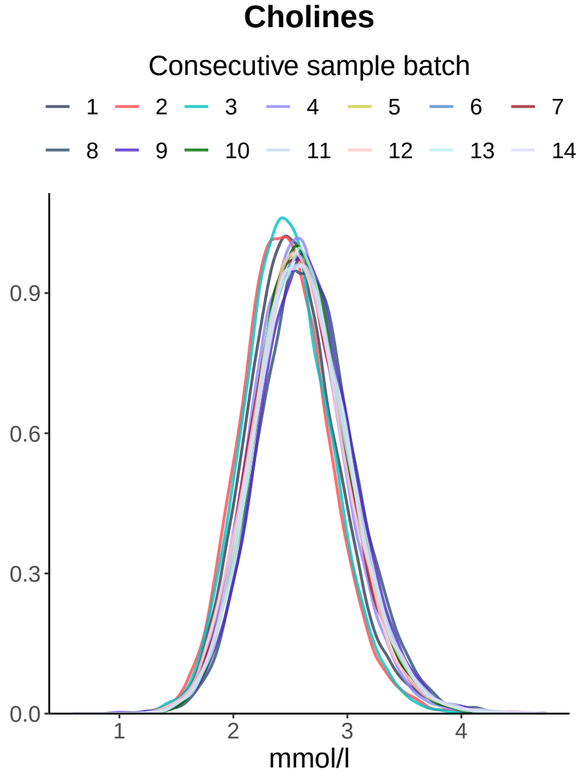
Phosphoglyc



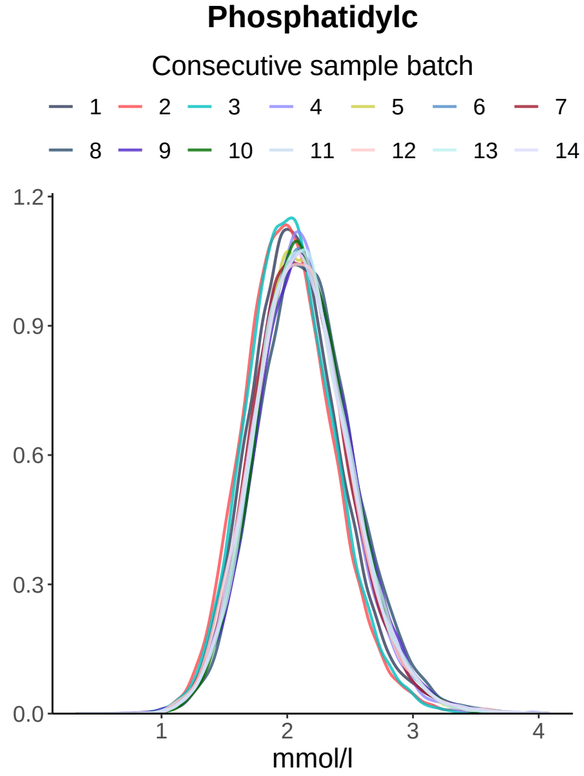
TG_by_PG



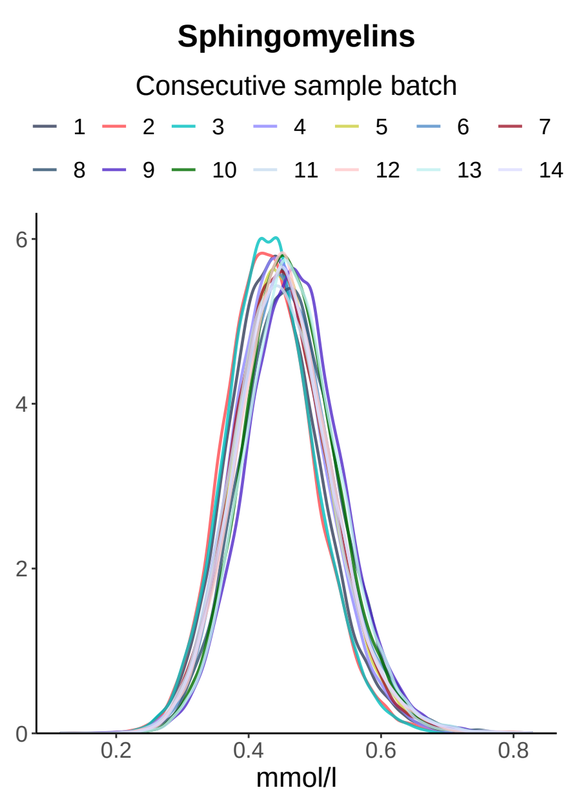
Cholines



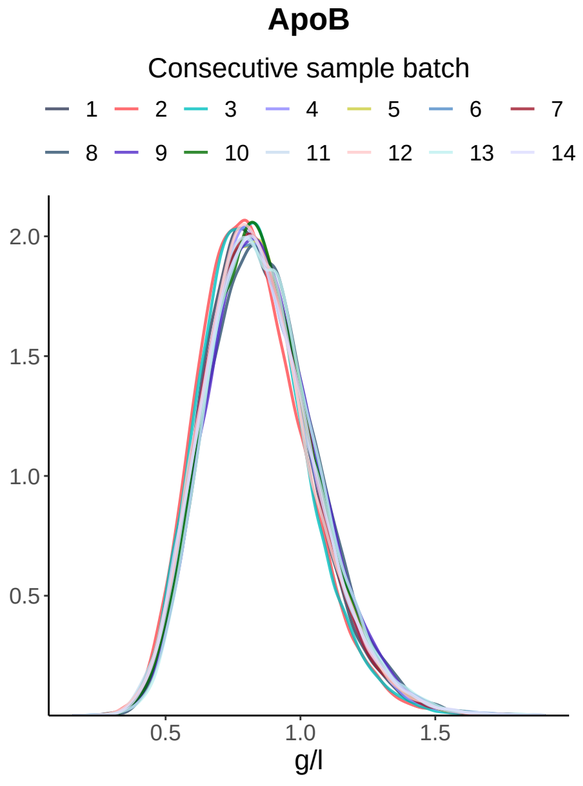
Phosphatidylc

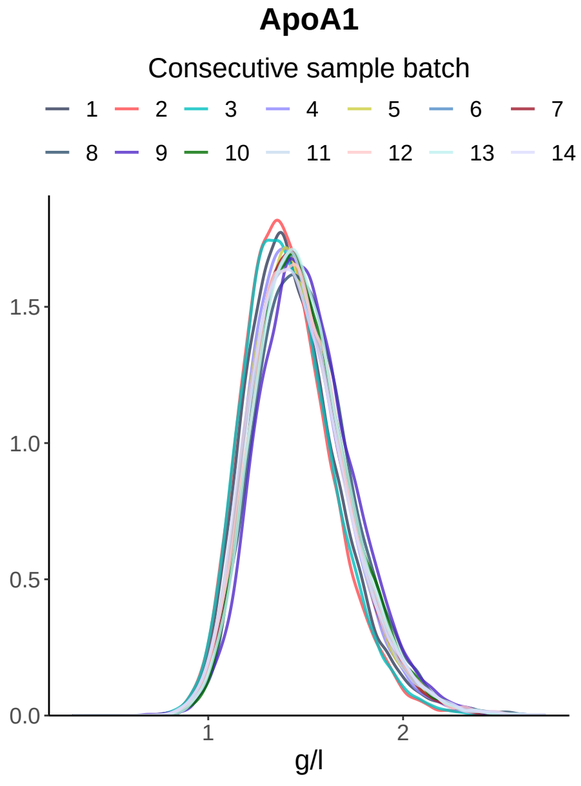


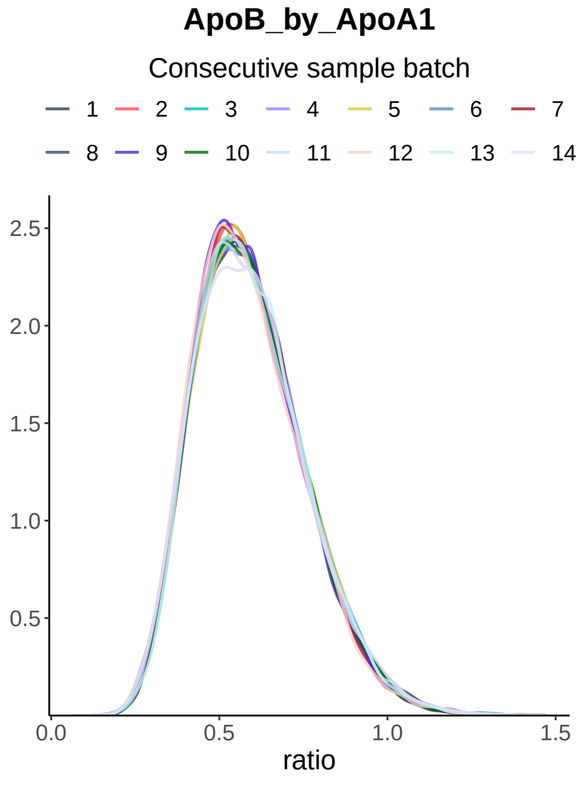
Sphingomyelins



Apolipoproteins

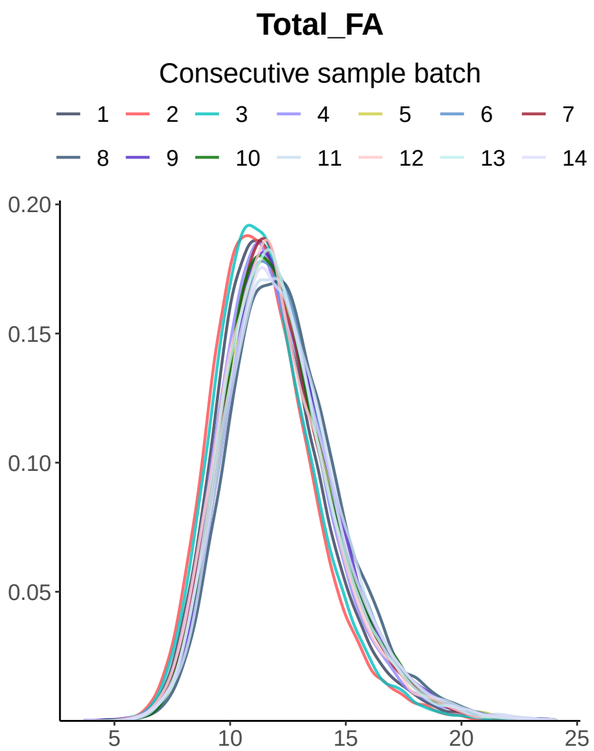




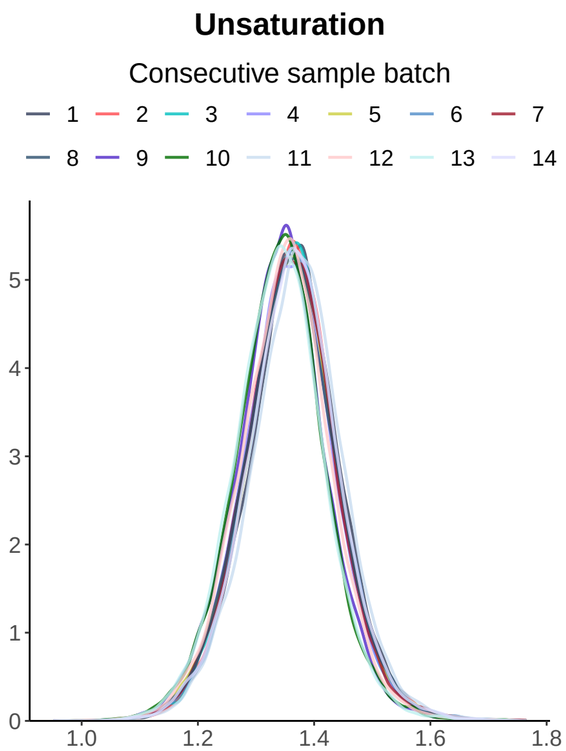


Fatty acids

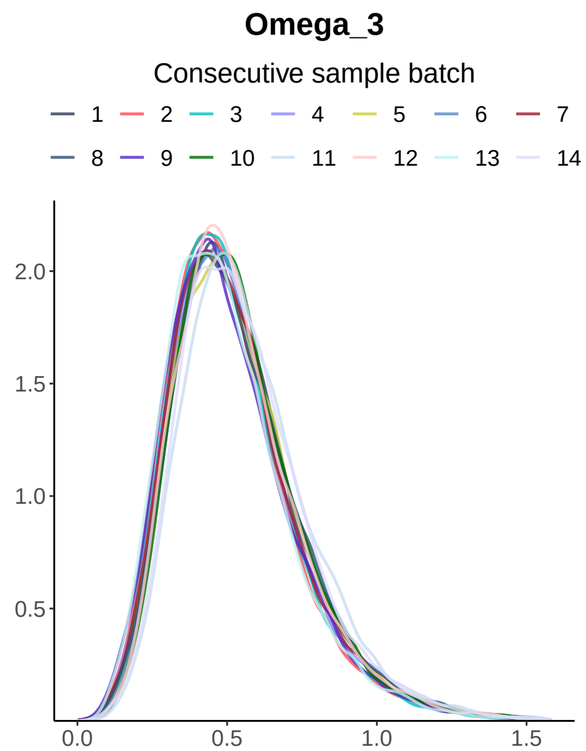
Total_FA



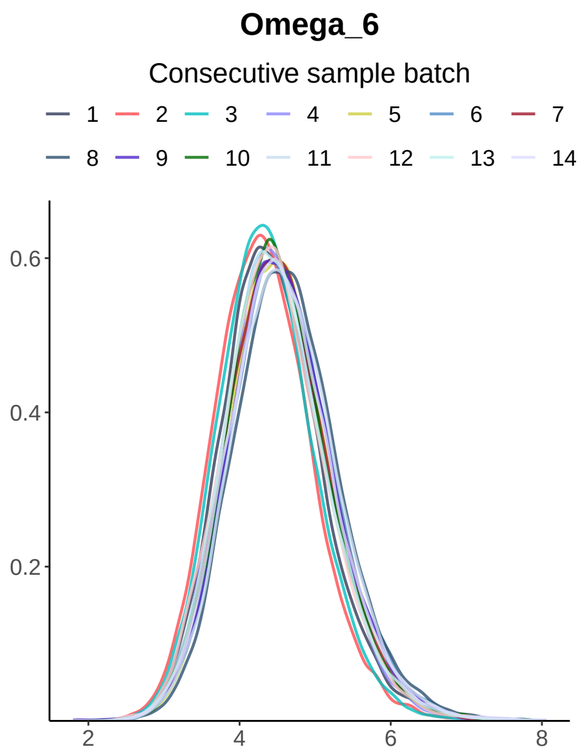
Unsaturation



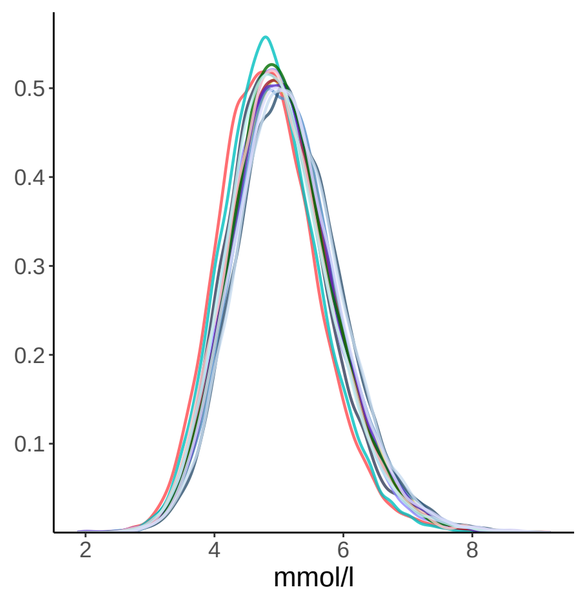
Omega_3



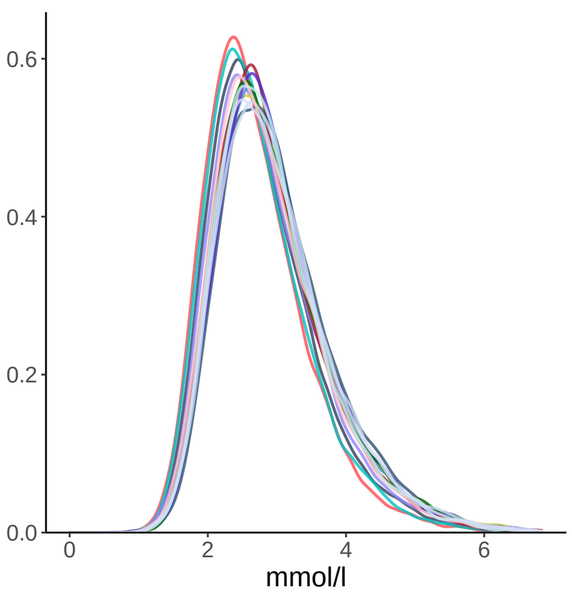
Omega_6



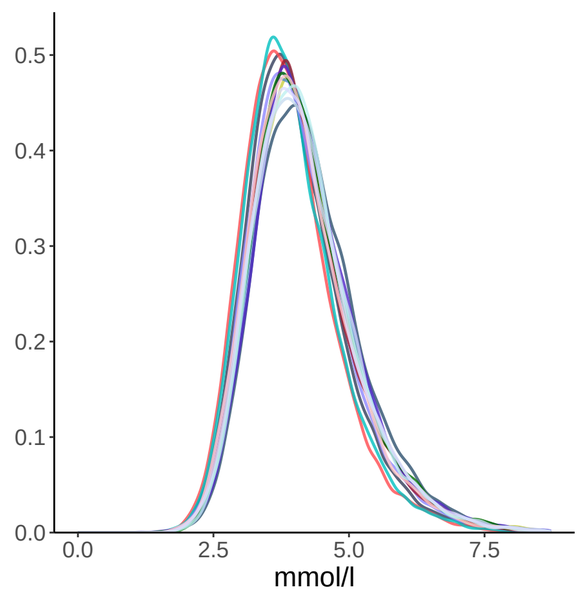
PUFA



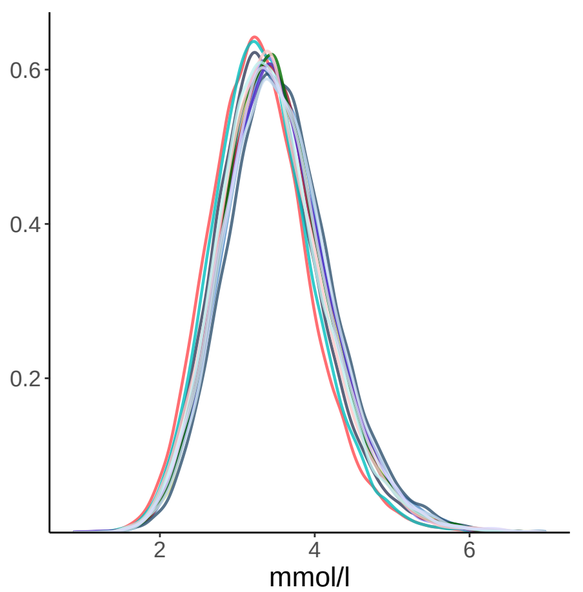
MUFA



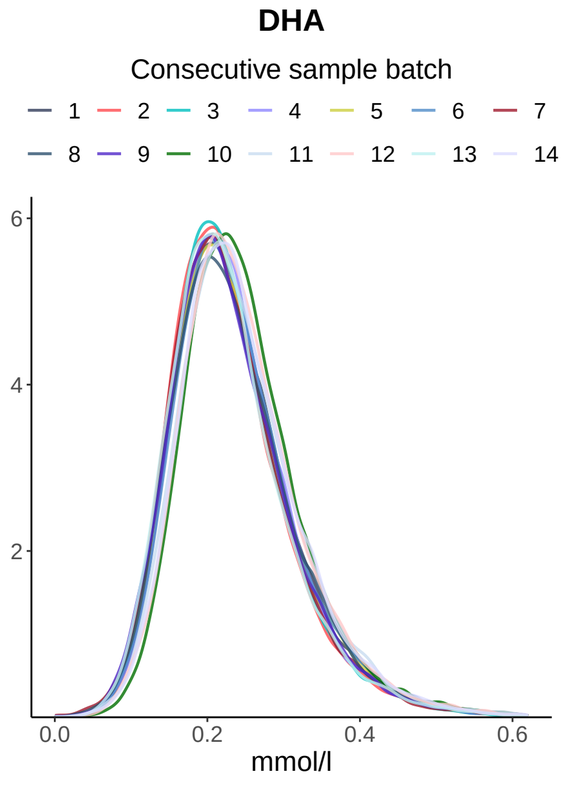
SFA



LA

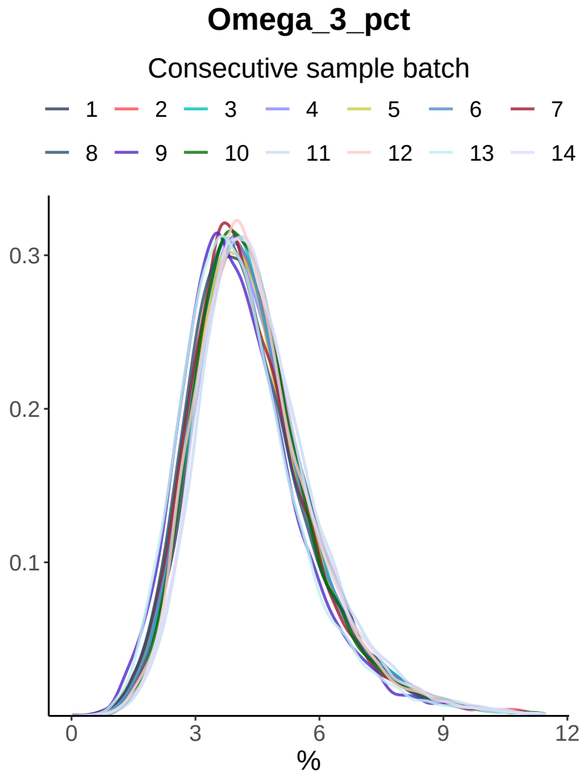


DHA

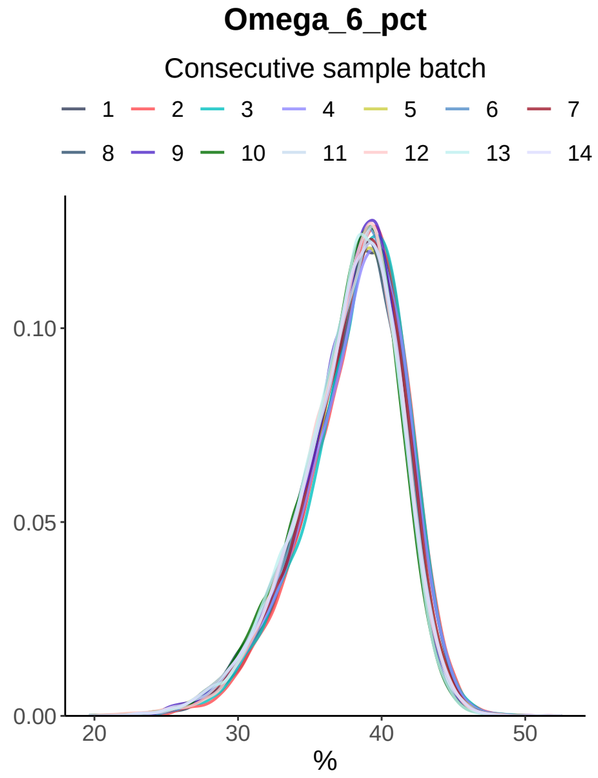


Fatty acid ratios

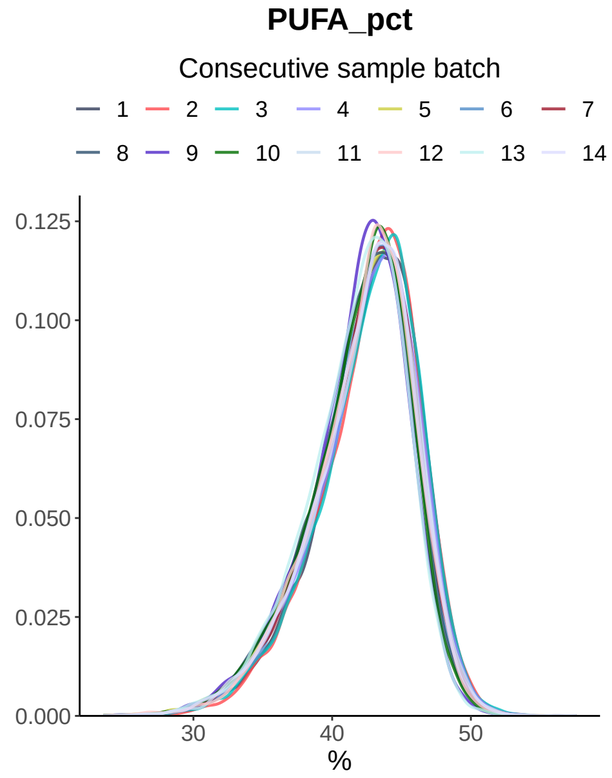
Omega_3_pct



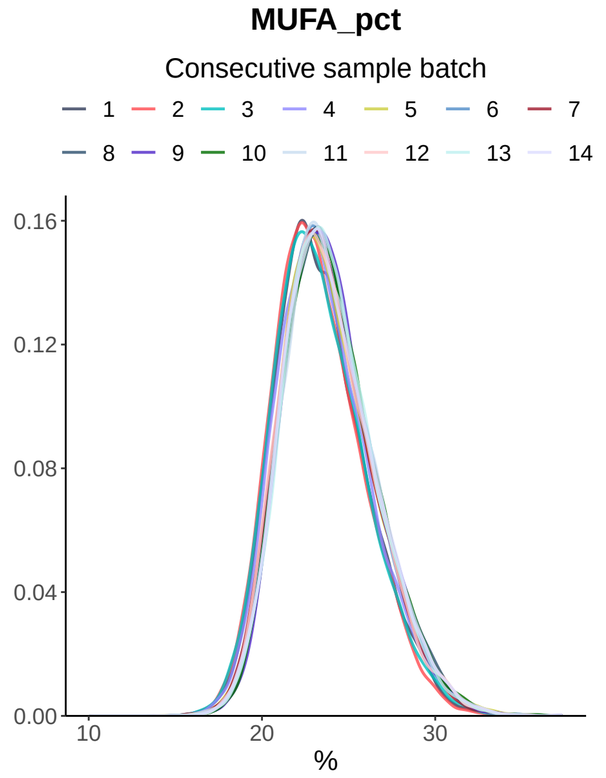
Omega_6_pct



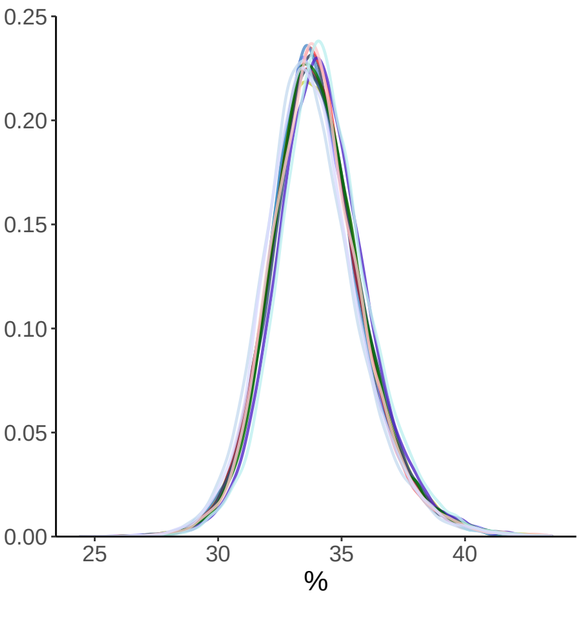
PUFA_pct



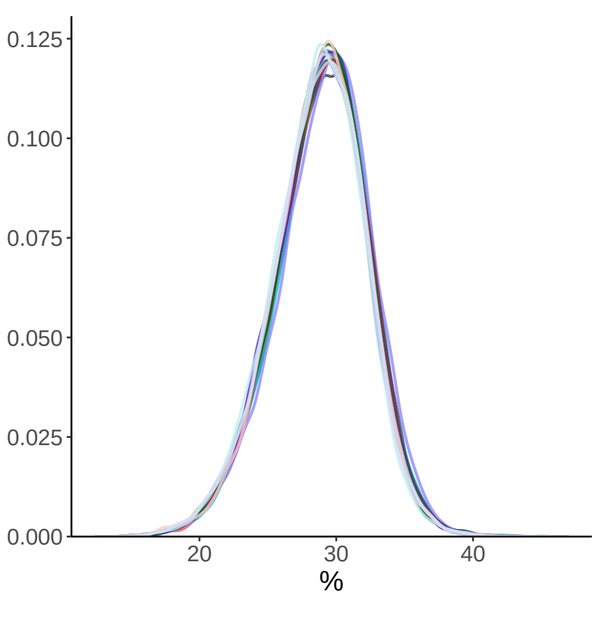
MUFA_pct



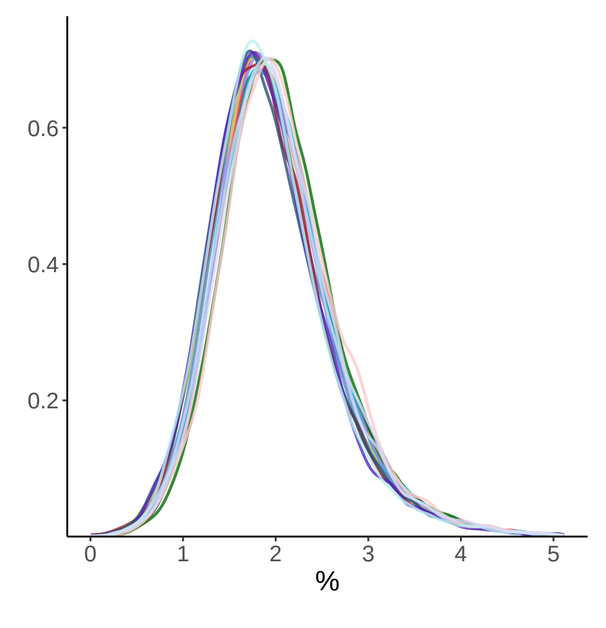
SFA_pct



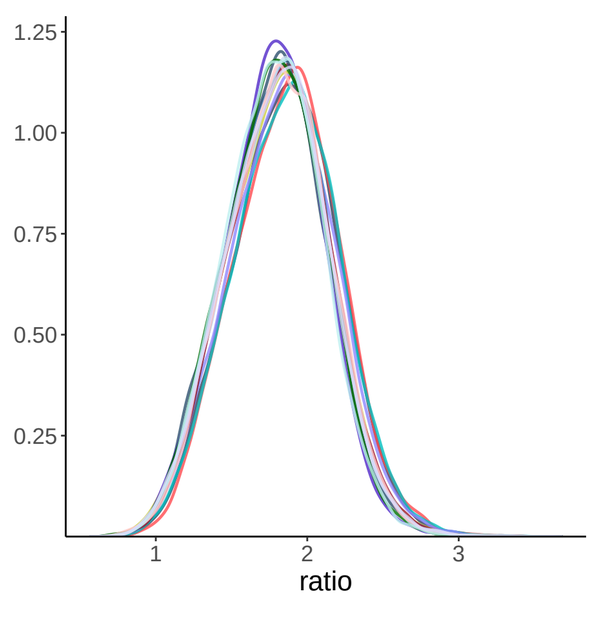
LA_pct



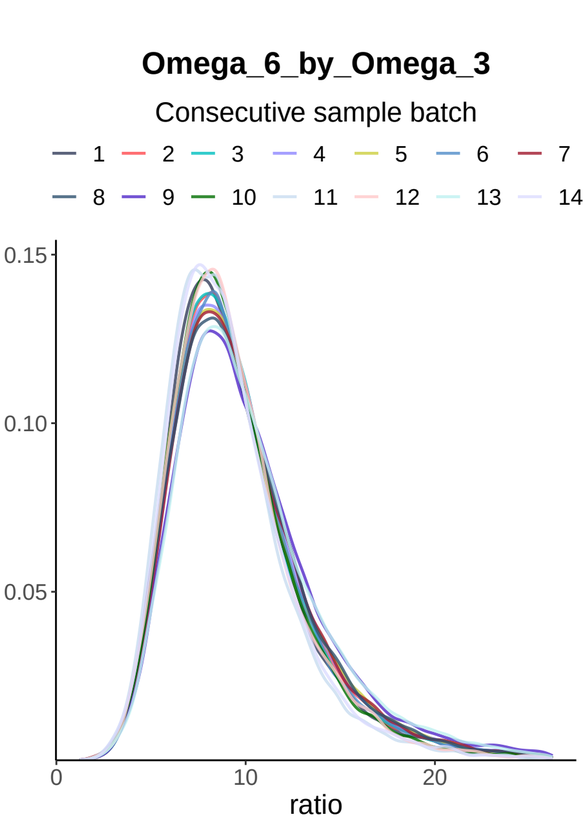
DHA_pct



PUFA_by_MUFA

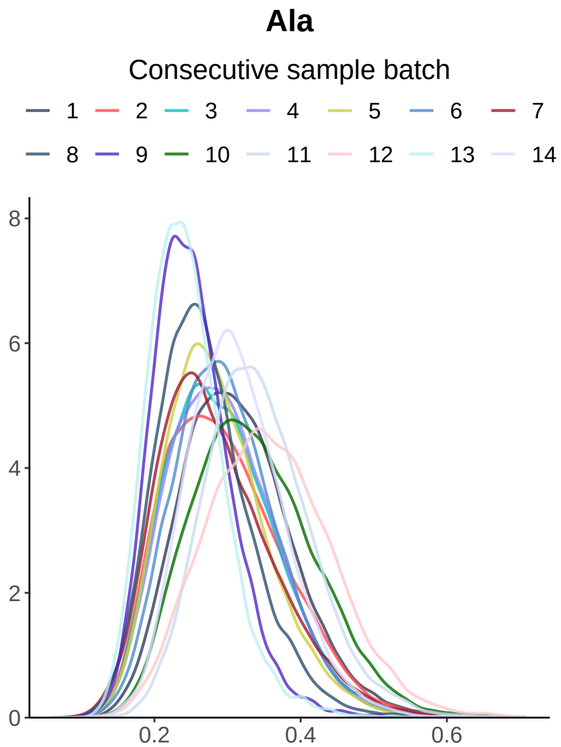


Omega_6_by_Omega_3

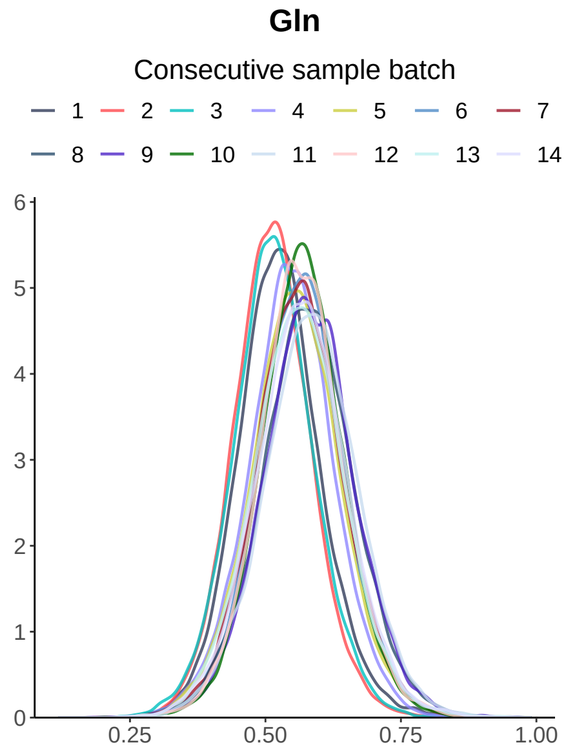


Amino acids

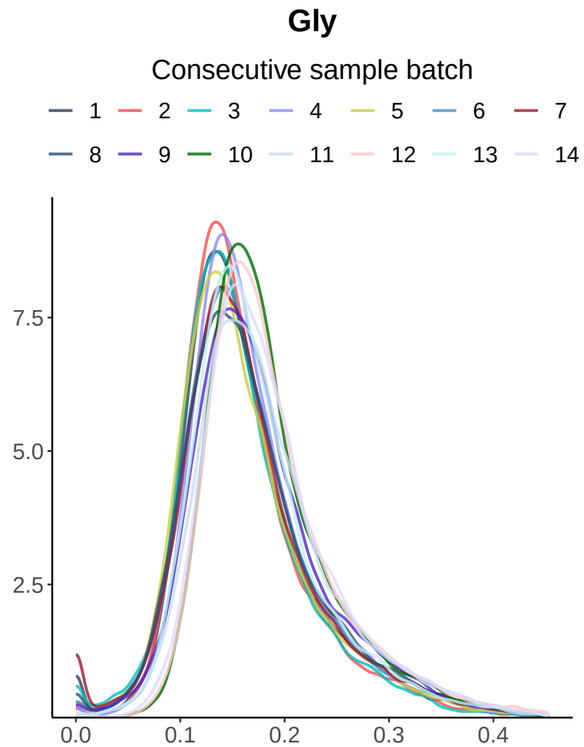
Ala



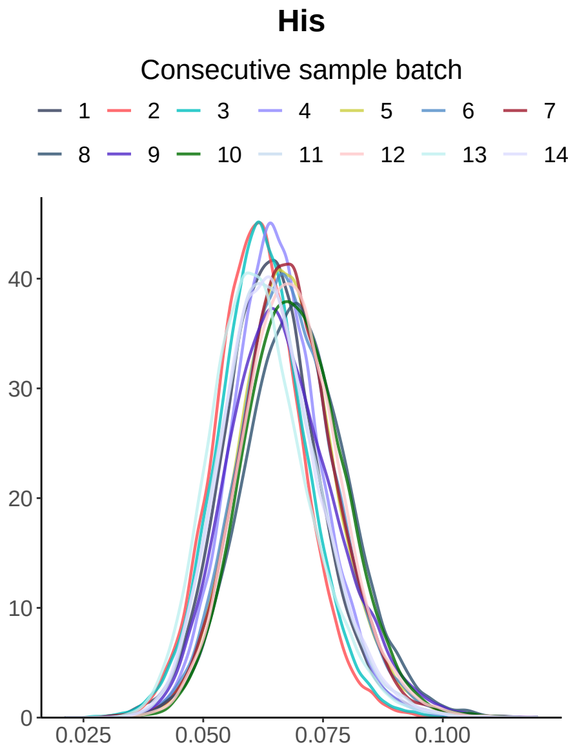
Gln



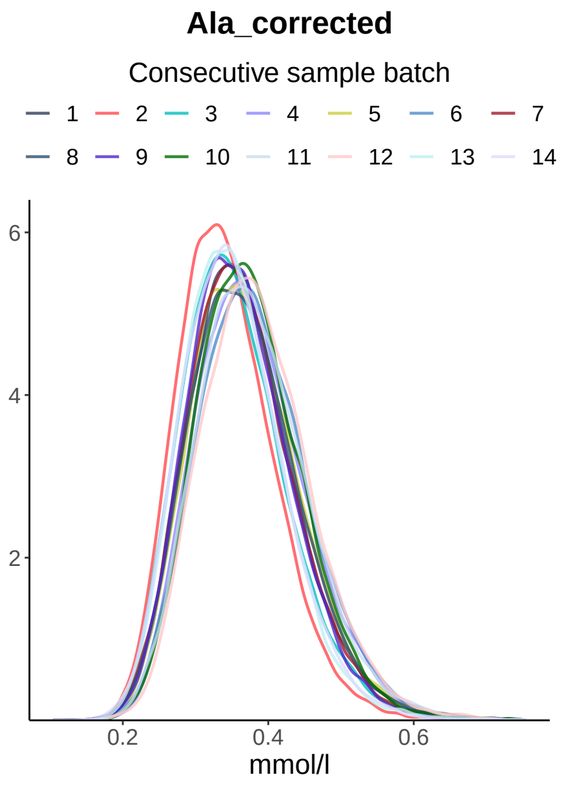
Gly



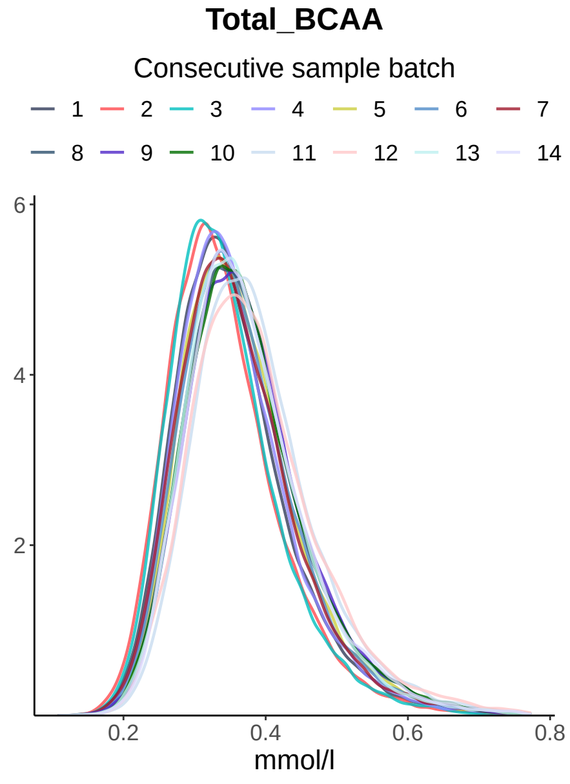
His

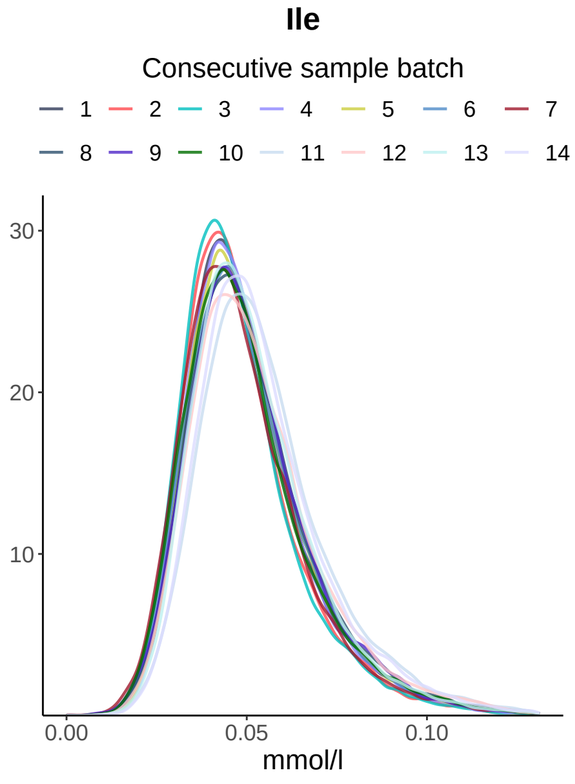


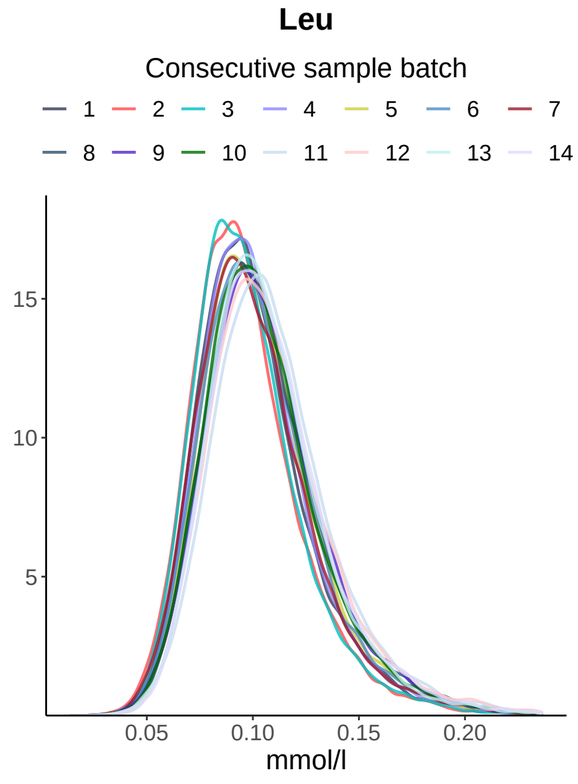
Ala_corrected

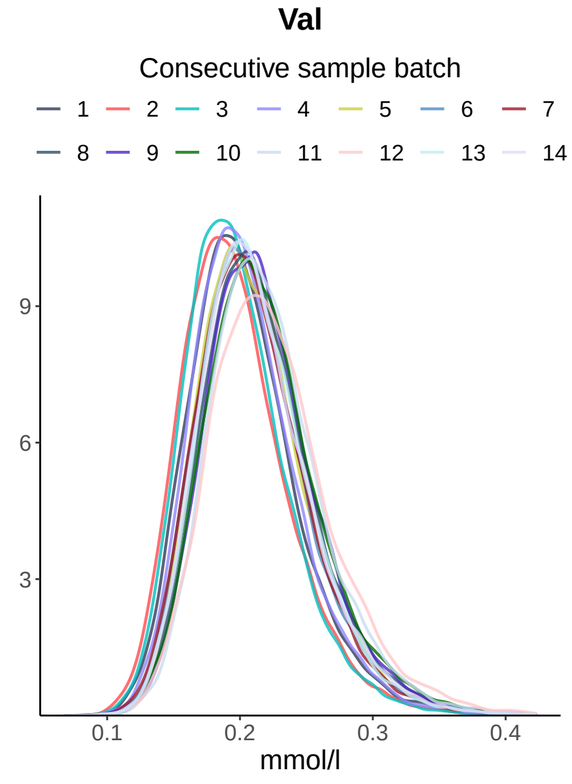


Branched−chain amino acids

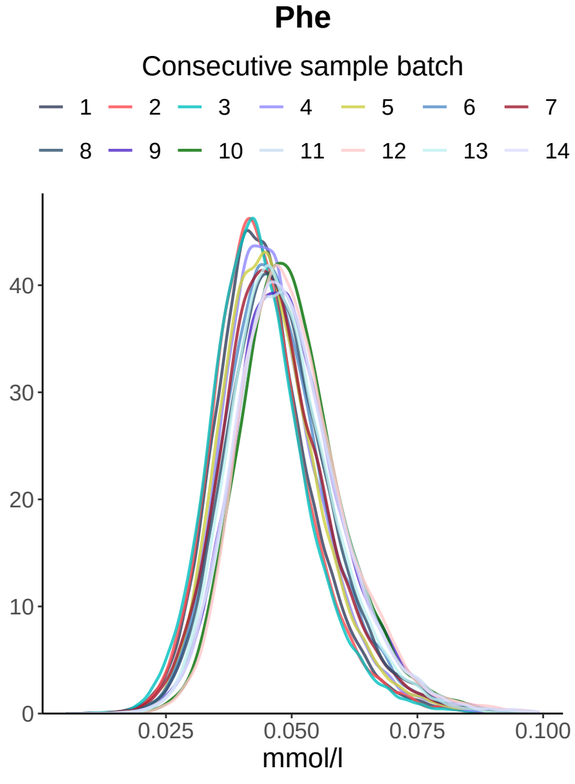


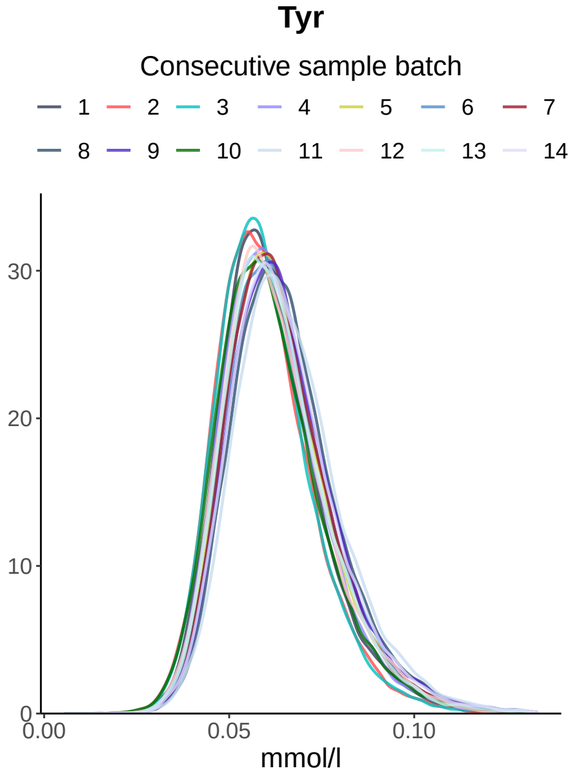






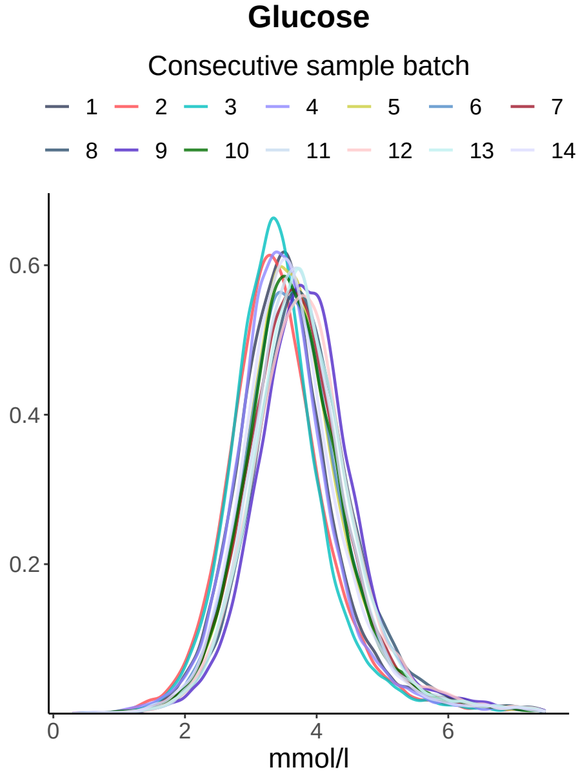
Aromatic amino acids



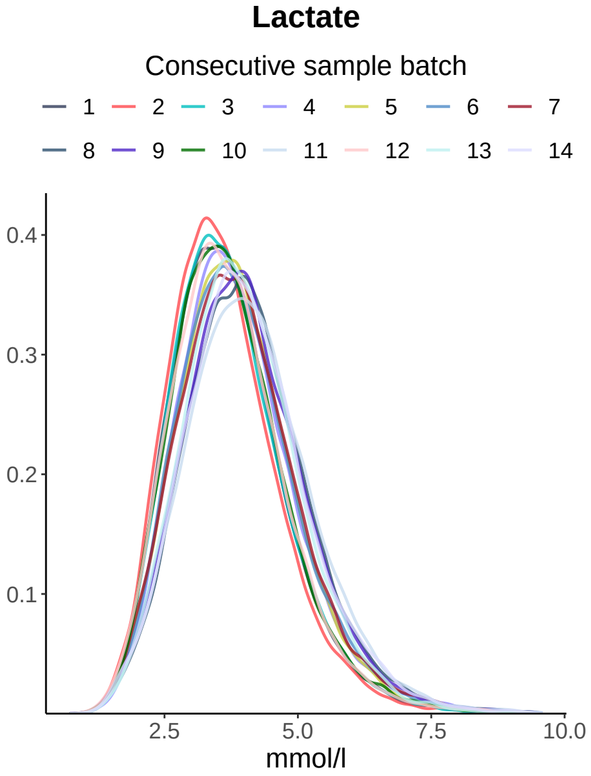


Glycolysis related metabolites

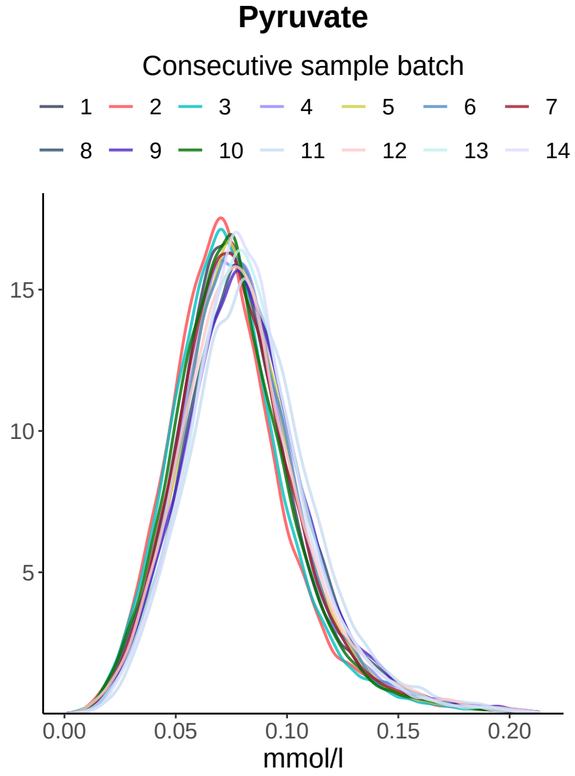
Glucose



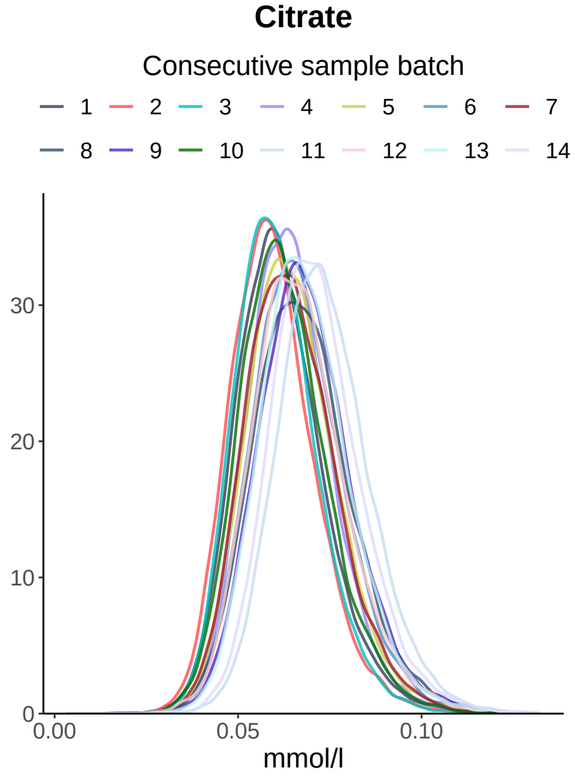
Lactate



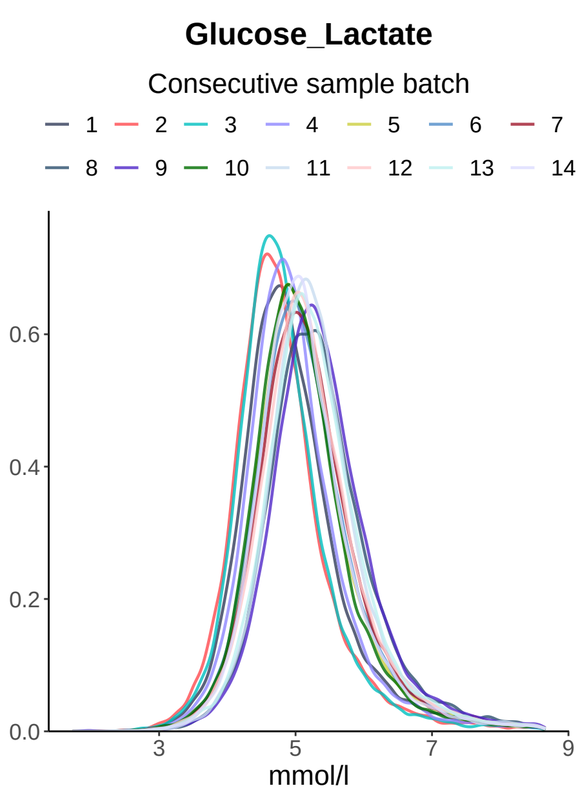
Pyruvate



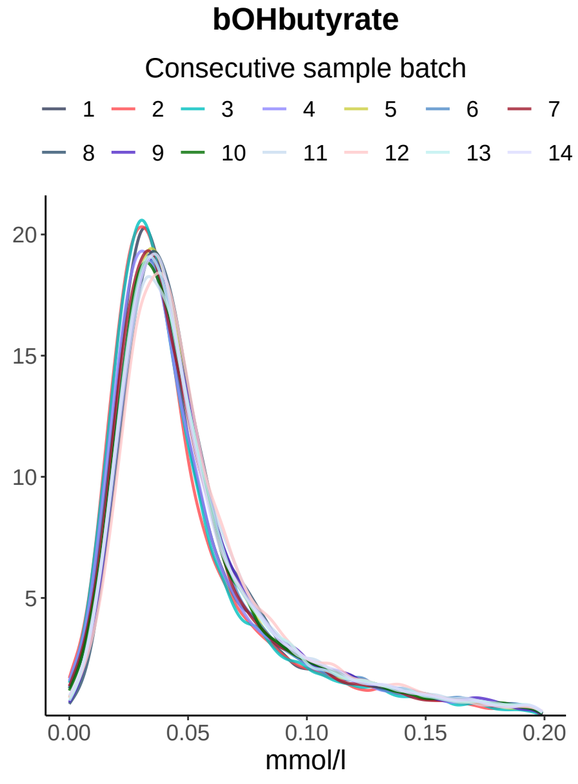
Citrate

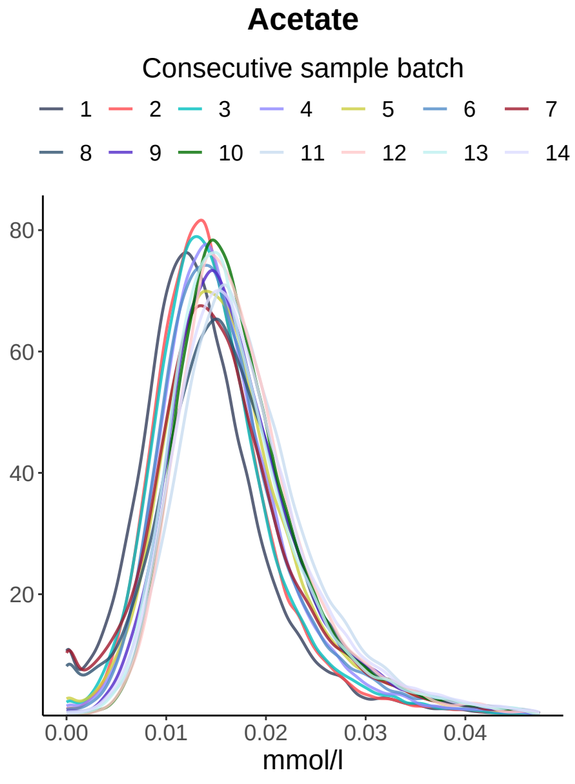


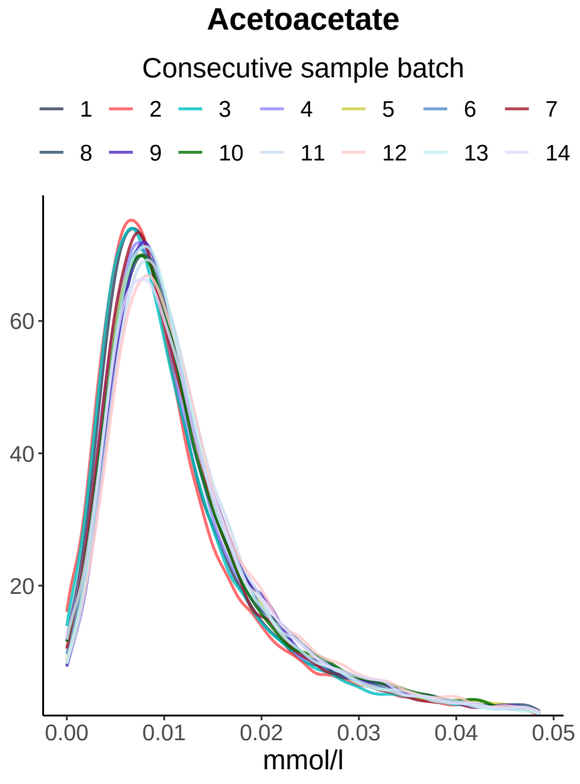
Glucose_Lactate

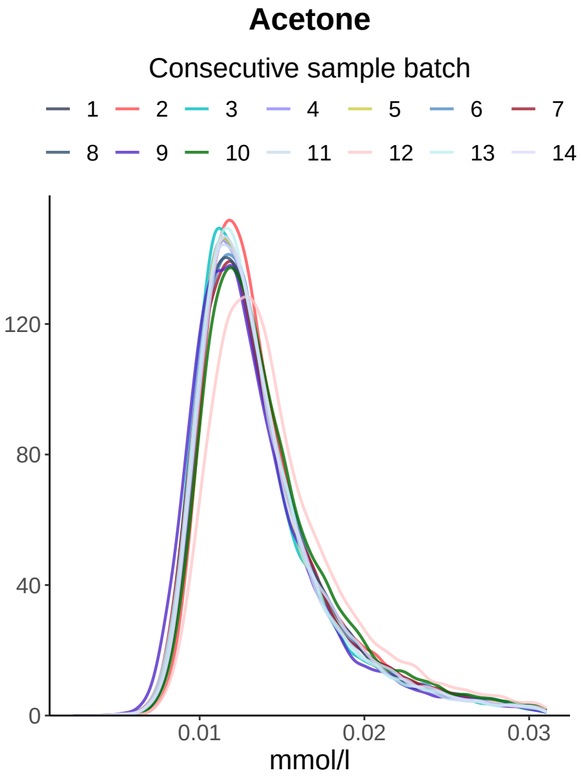


Ketone bodies



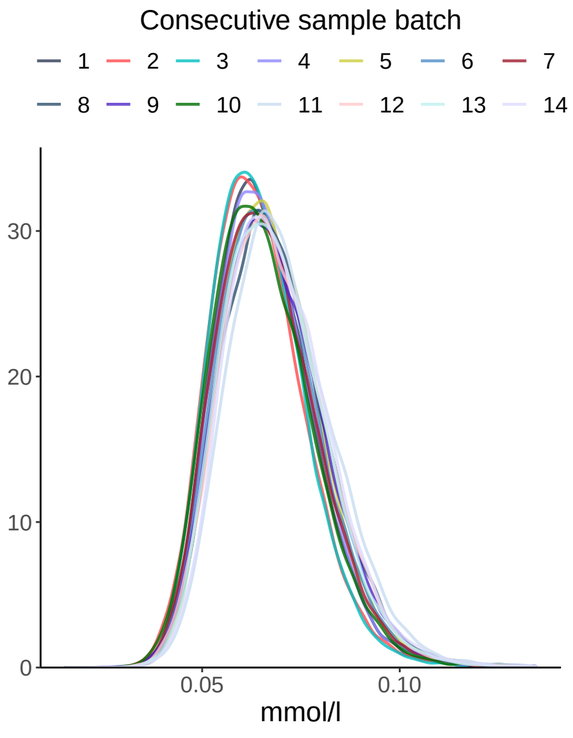




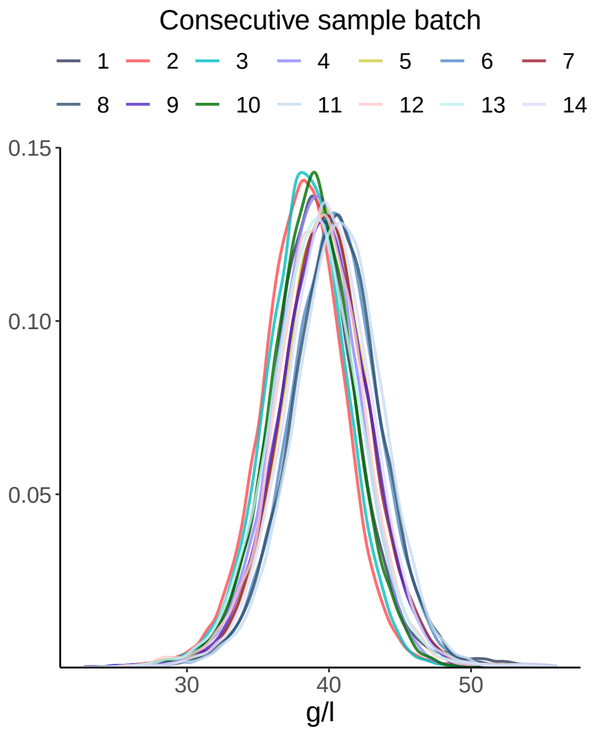


Fluid balance

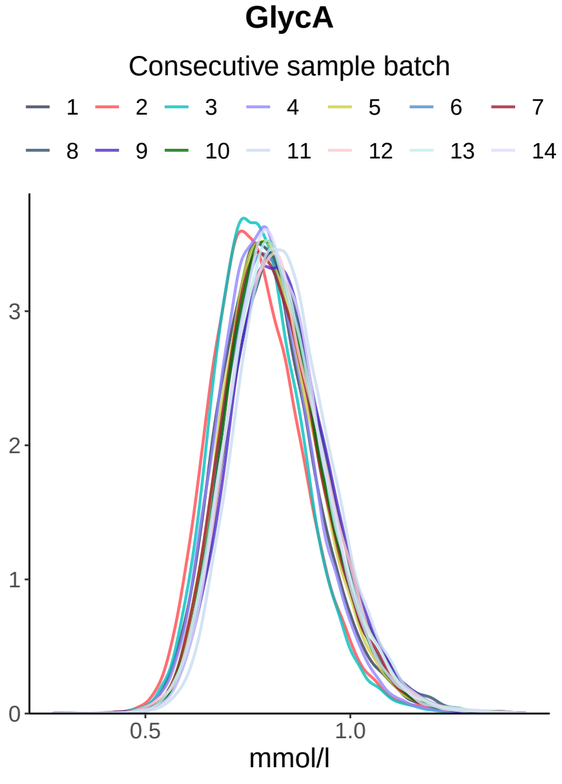
Creatinine



Albumin

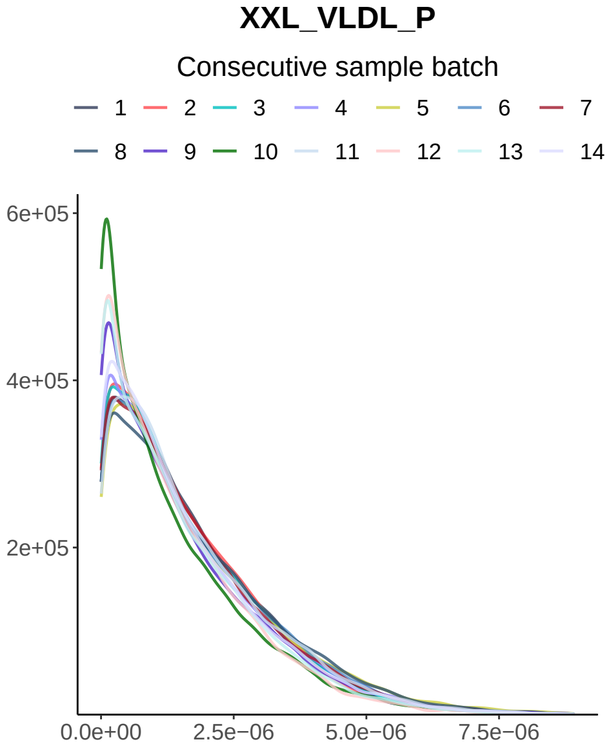


Inflammation

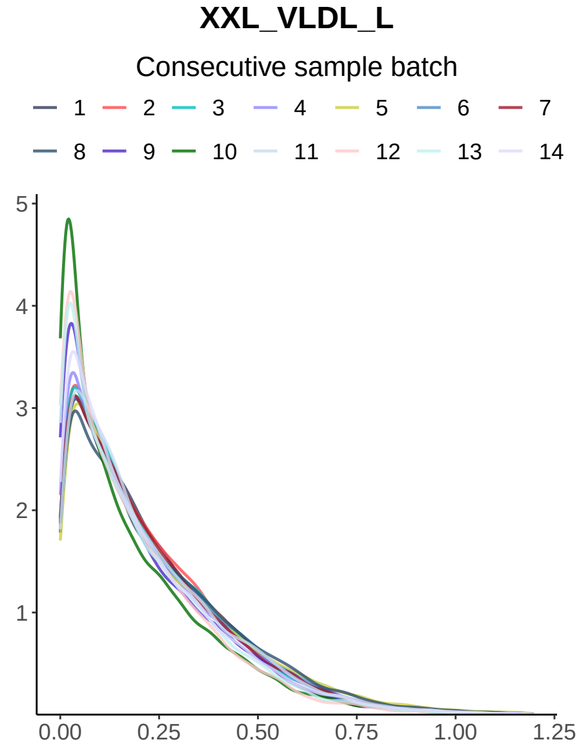


Chylomicrons and extremely large VLDL (particle diameters from 75 nm upwards)

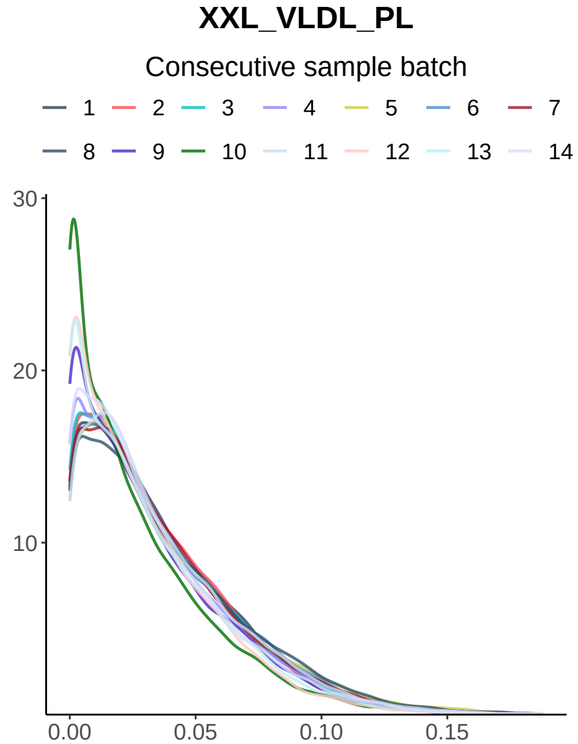
XXL_VLDL_P



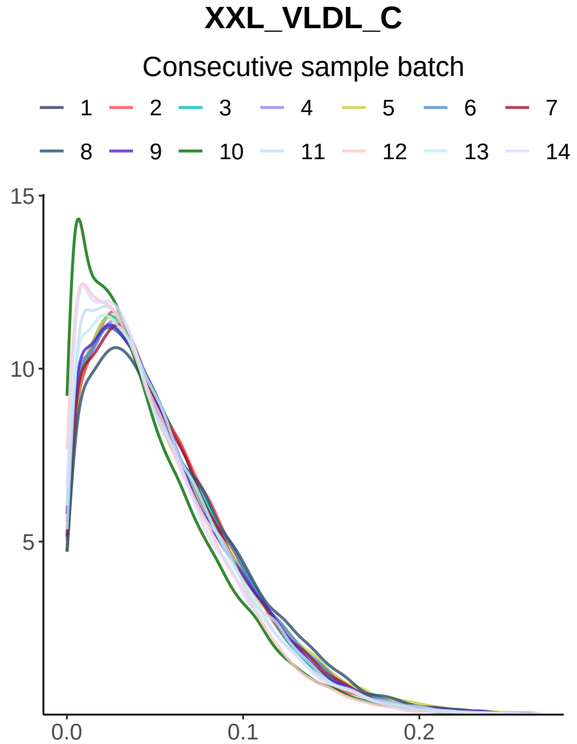
XXL_VLDL_L



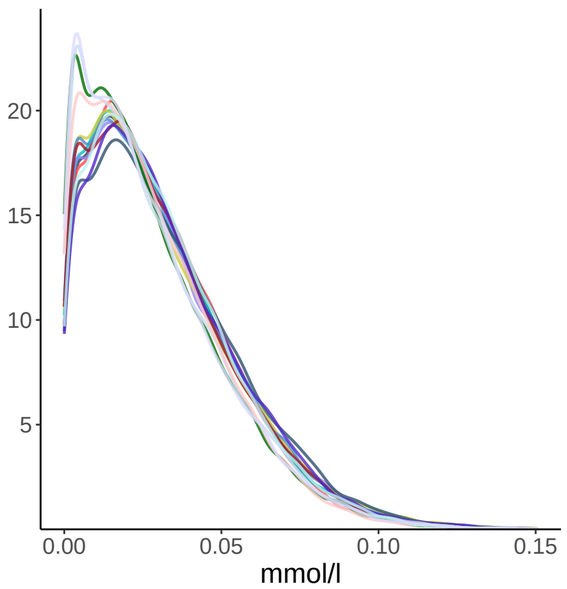
XXL_VLDL_PL



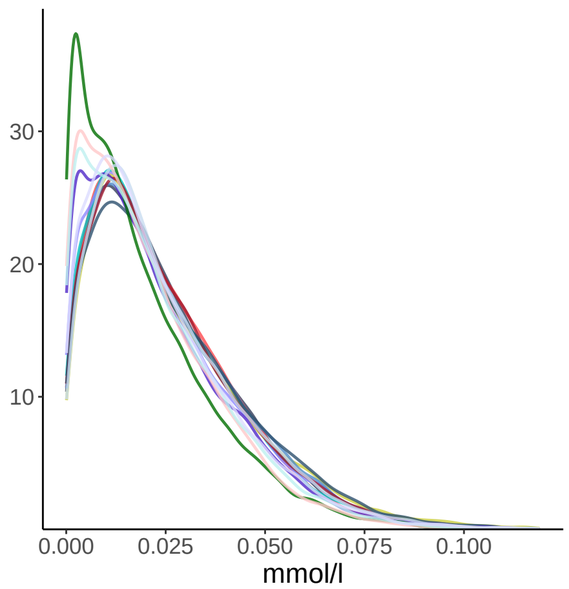
XXL_VLDL_C



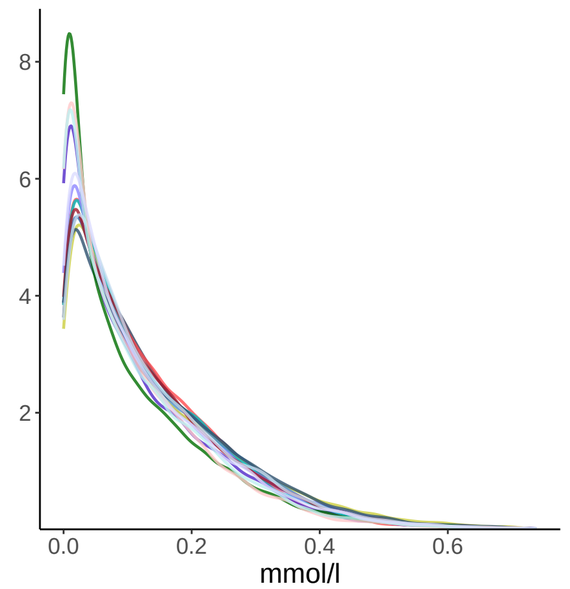
XXL_VLDL_CE



XXL_VLDL_FC

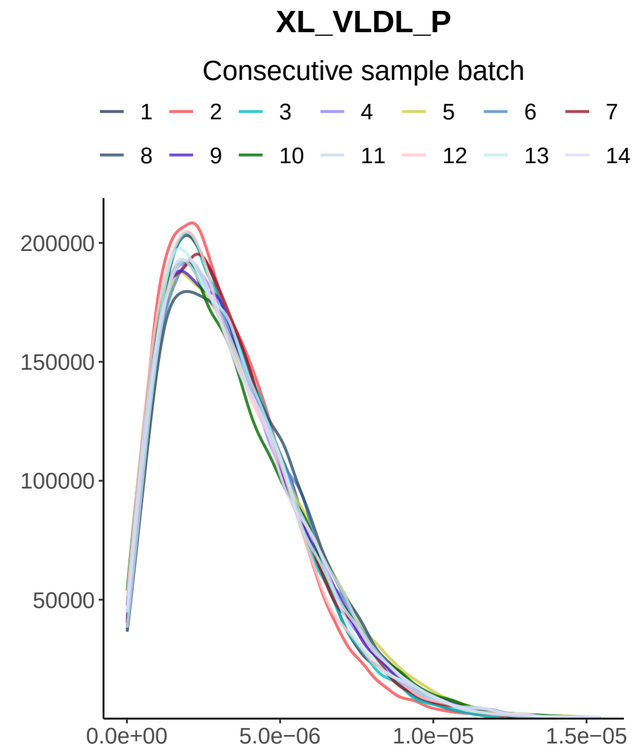


XXL_VLDL_TG

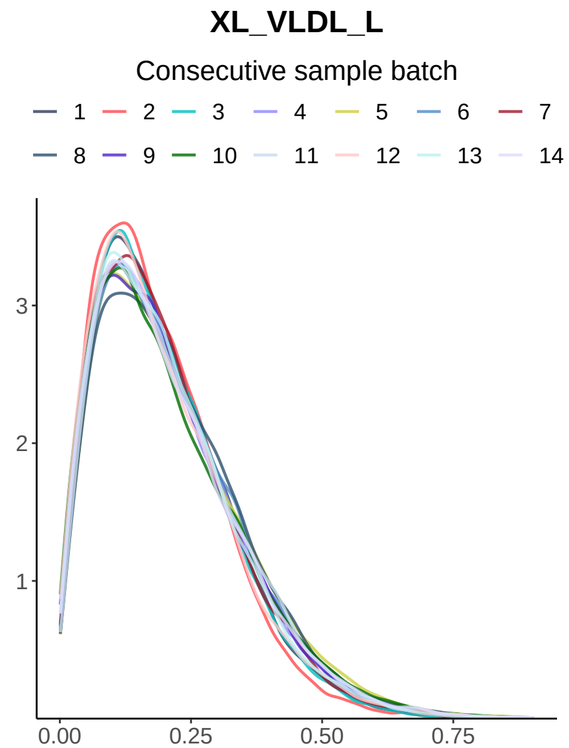


Very large VLDL (average diameter 64 nm)

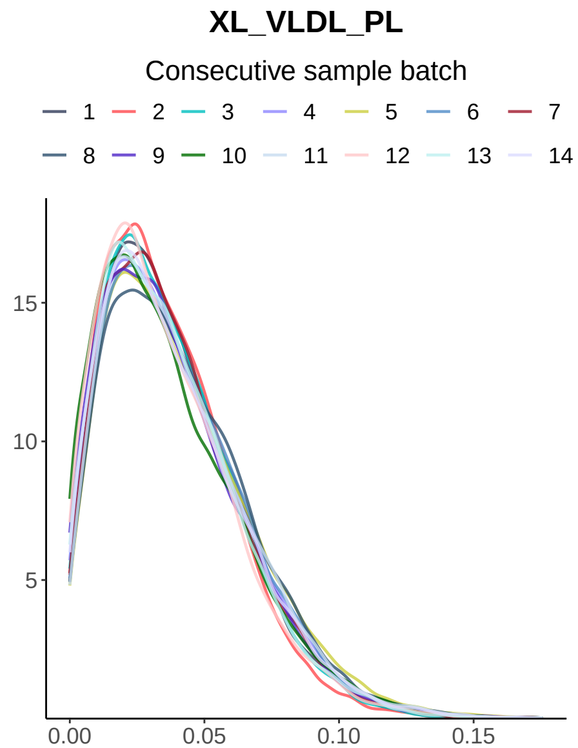
XL_VLDL_P



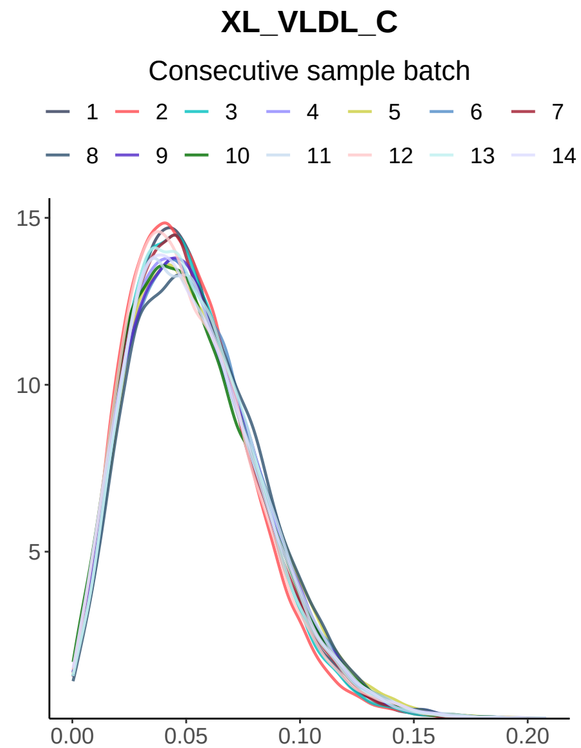
XL_VLDL_L



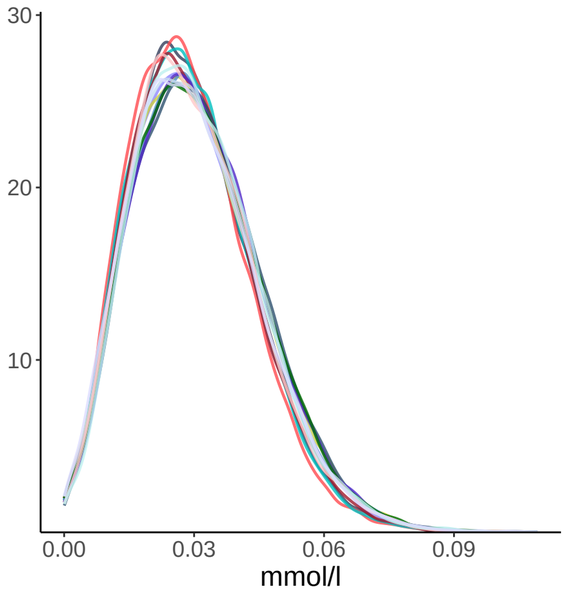
XL_VLDL_PL



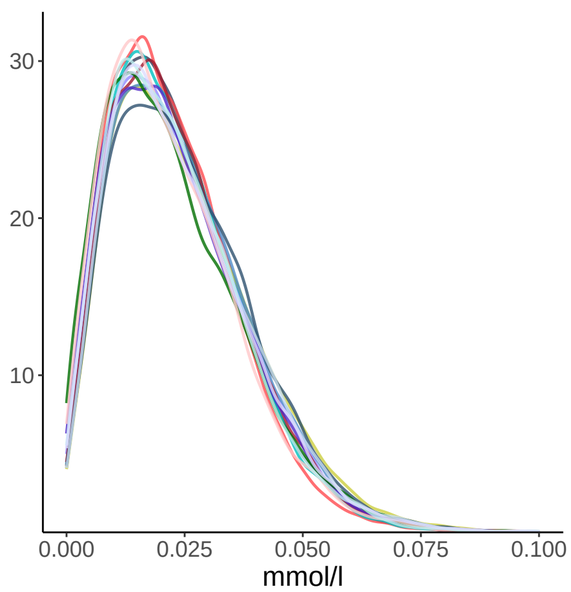
XL_VLDL_C



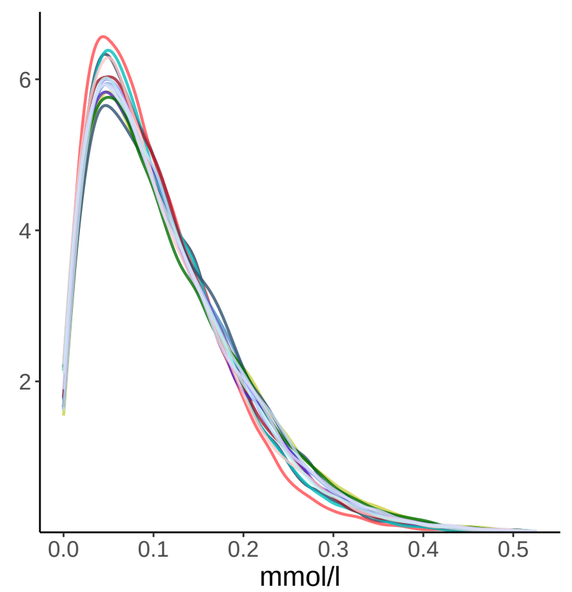
XL_VLDL_CE



XL_VLDL_FC

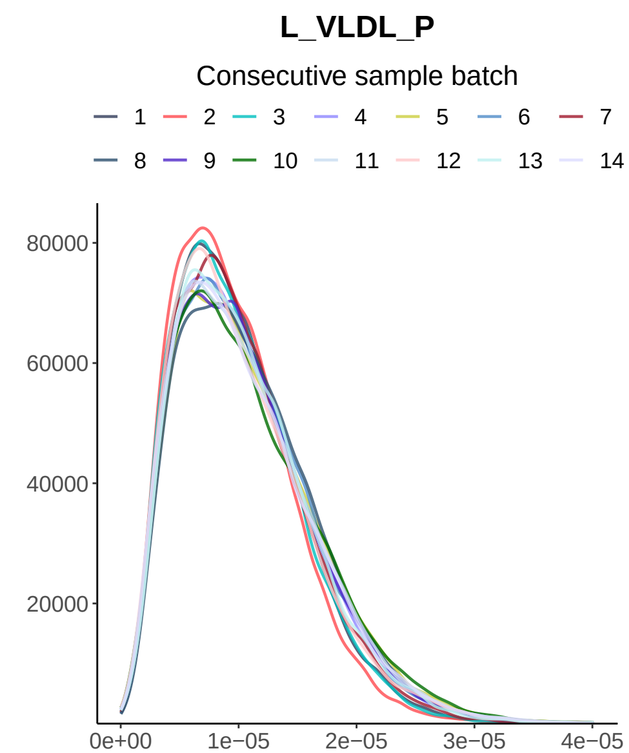


XL_VLDL_TG

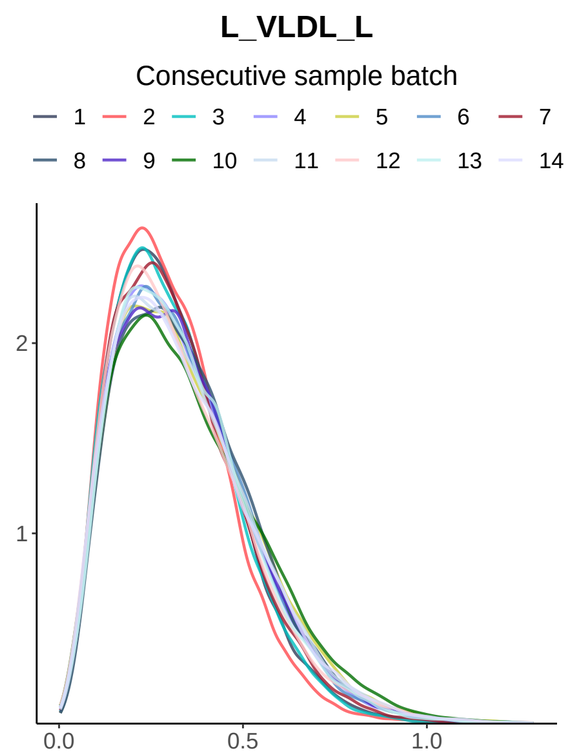


Large VLDL (average diameter 53.6 nm)

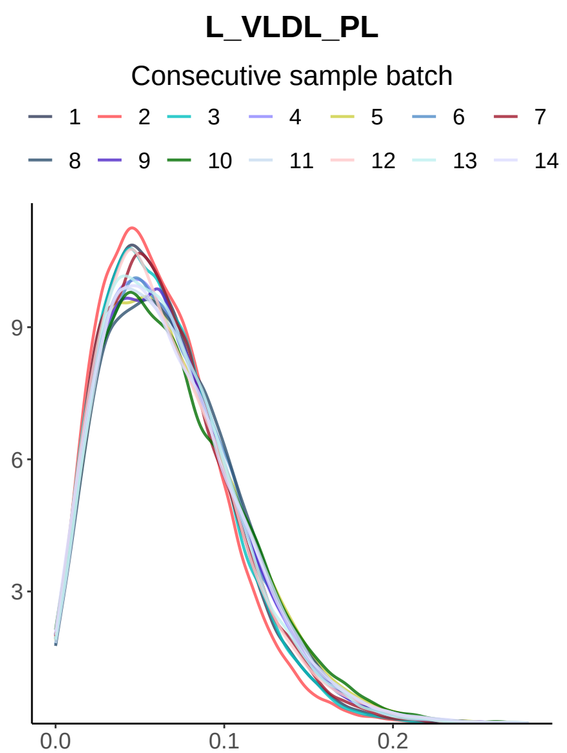
L_VLDL_P



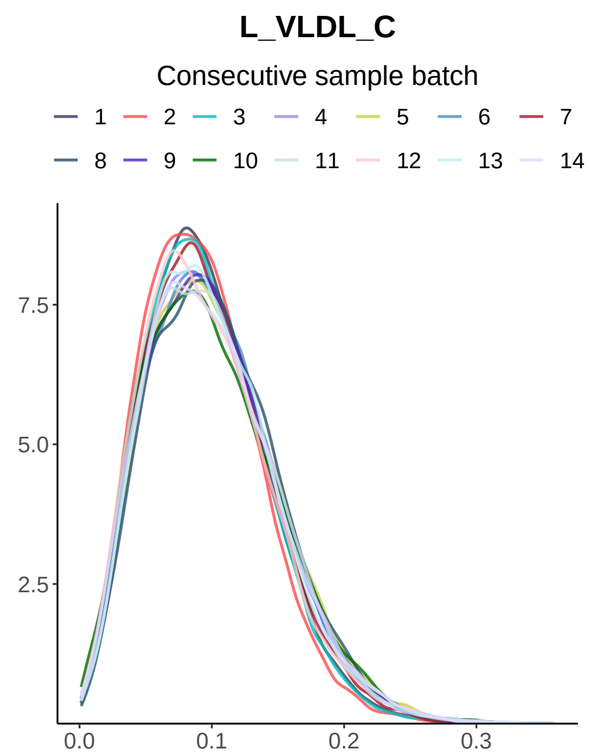
L_VLDL_L



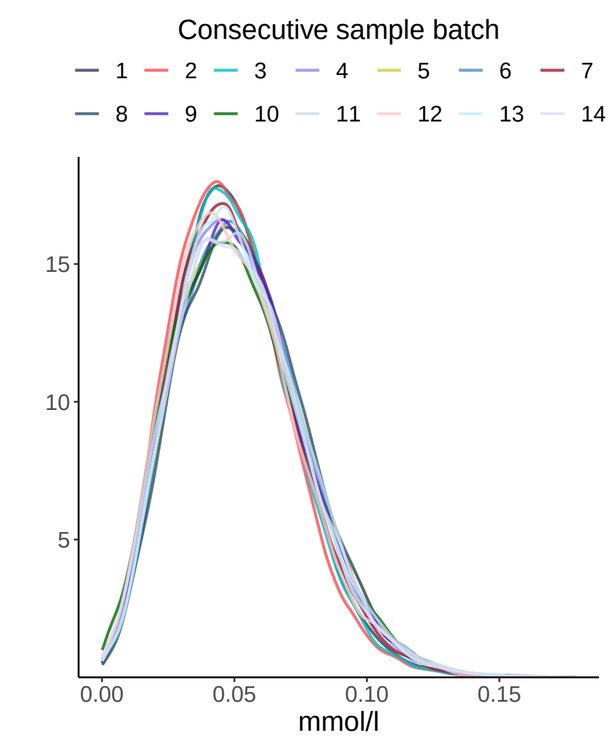
L_VLDL_PL



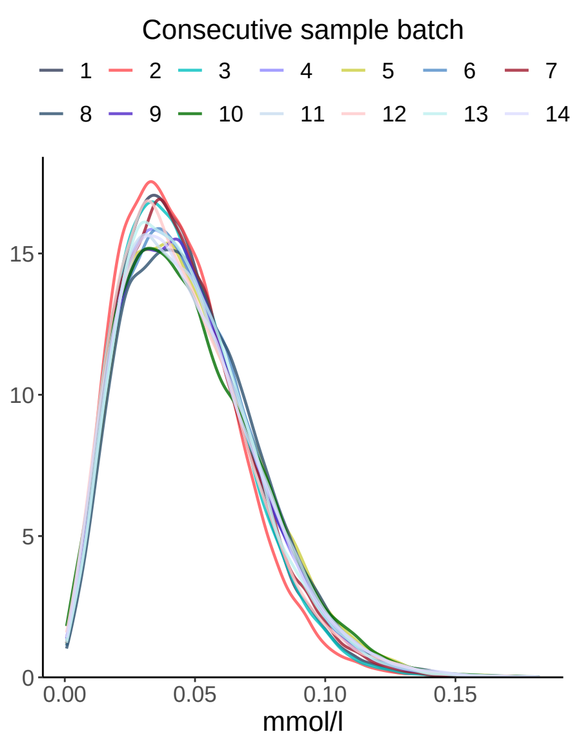
L_VLDL_C



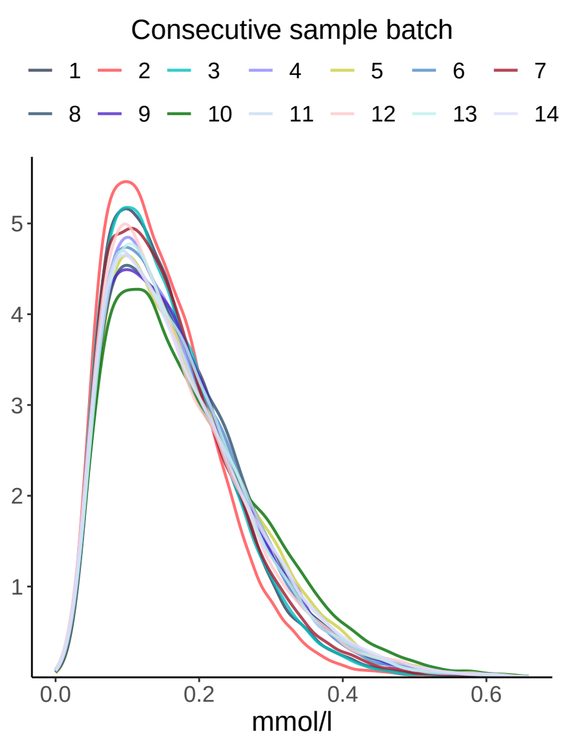
L_VLDL_CE



L_VLDL_FC

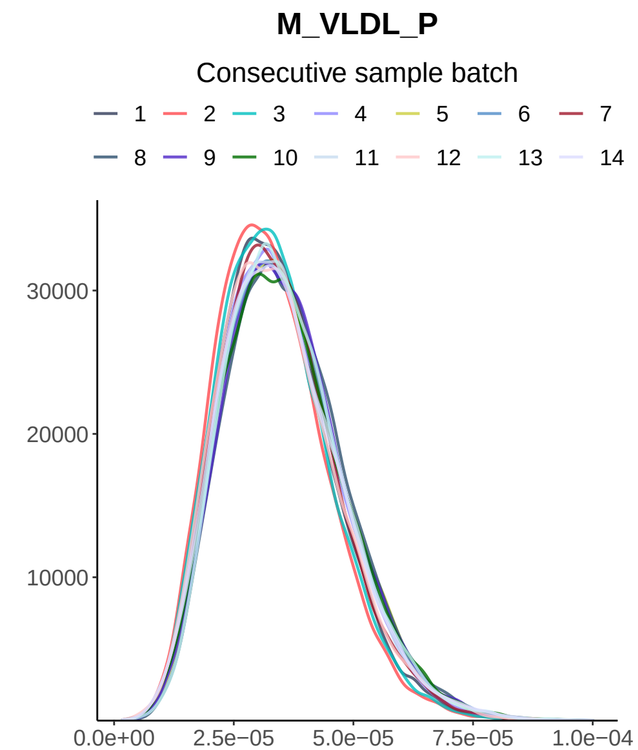


L_VLDL_TG

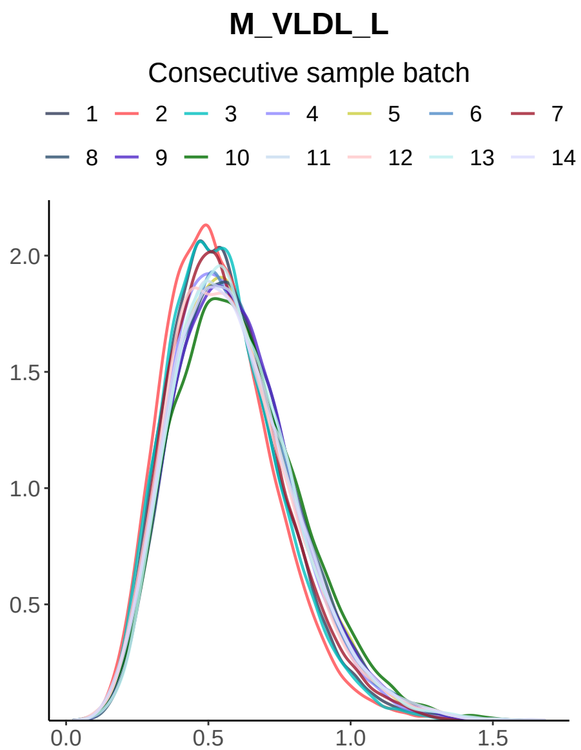


Medium VLDL (average diameter 44.5 nm)

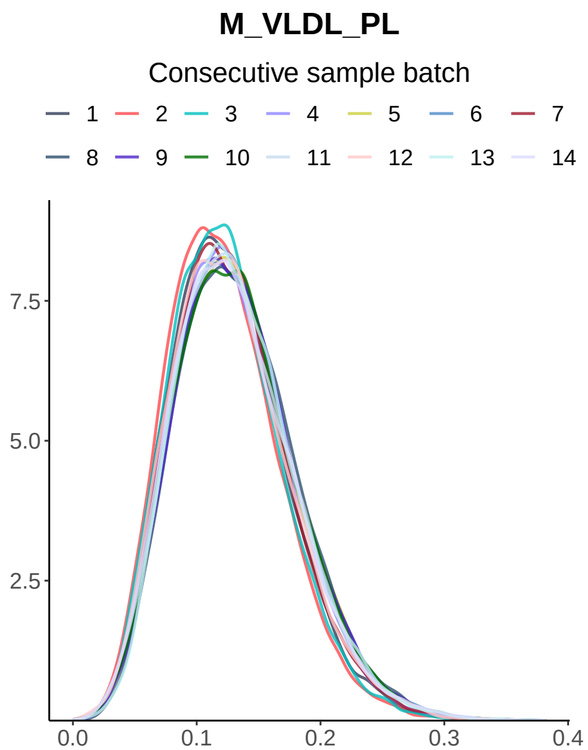
M_VLDL_P



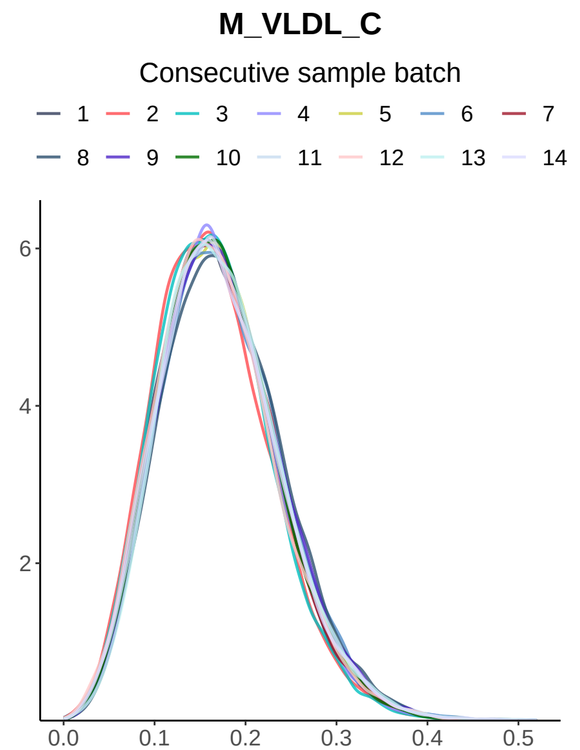
M_VLDL_L



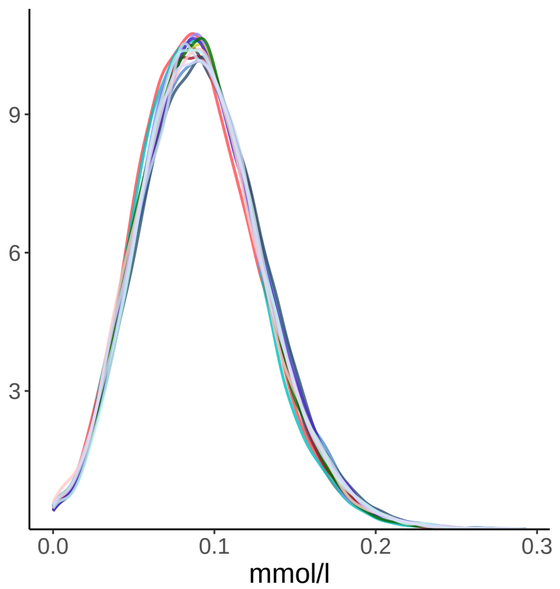
M_VLDL_PL



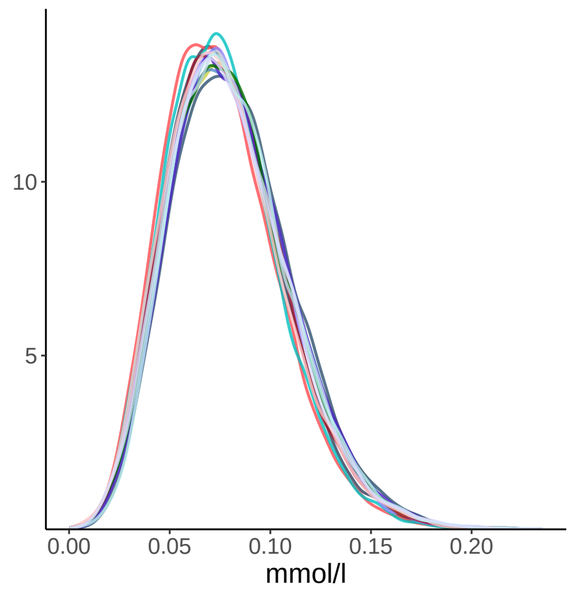
M_VLDL_C



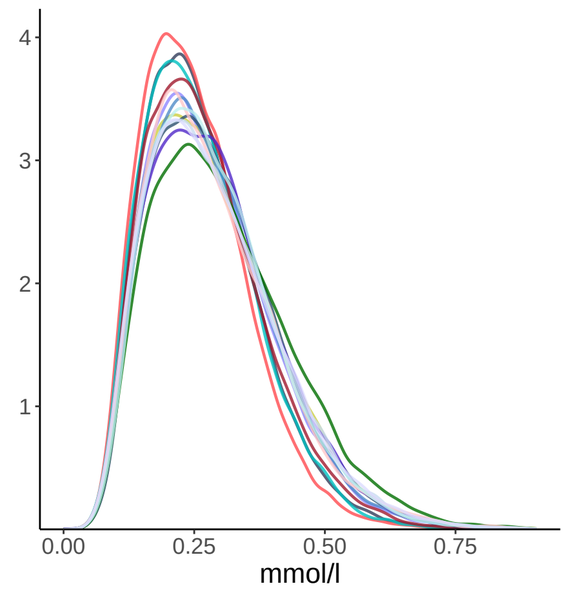
M_VLDL_CE



M_VLDL_FC

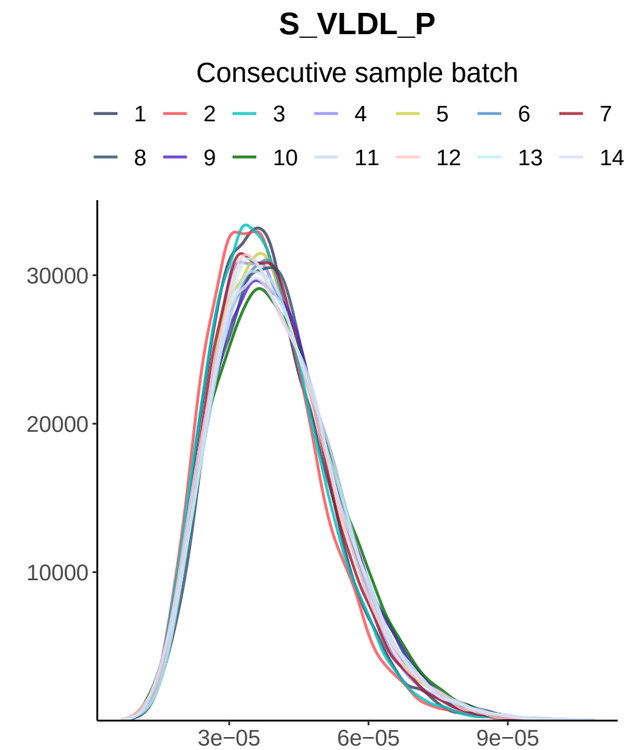


M_VLDL_TG

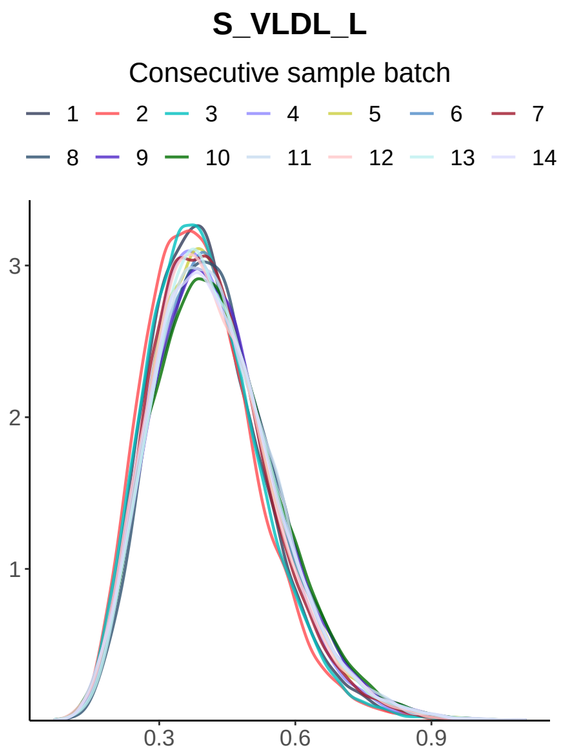


Small VLDL (average diameter 36.8 nm)

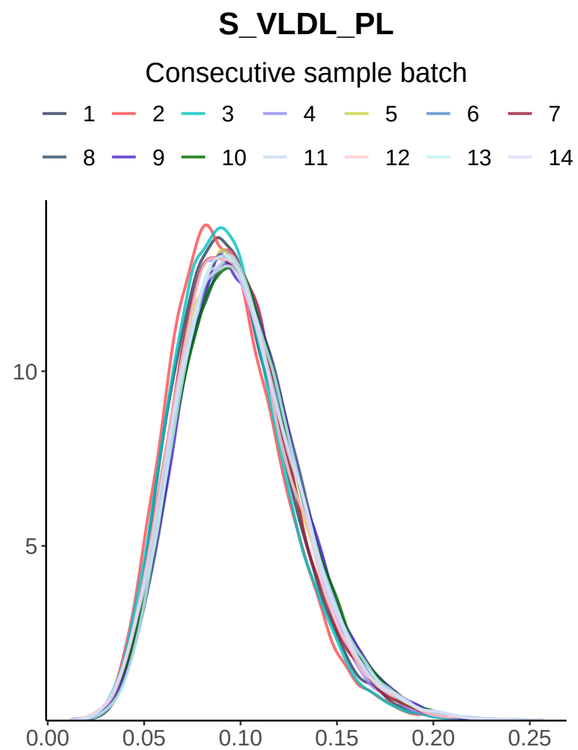
S_VLDL_P



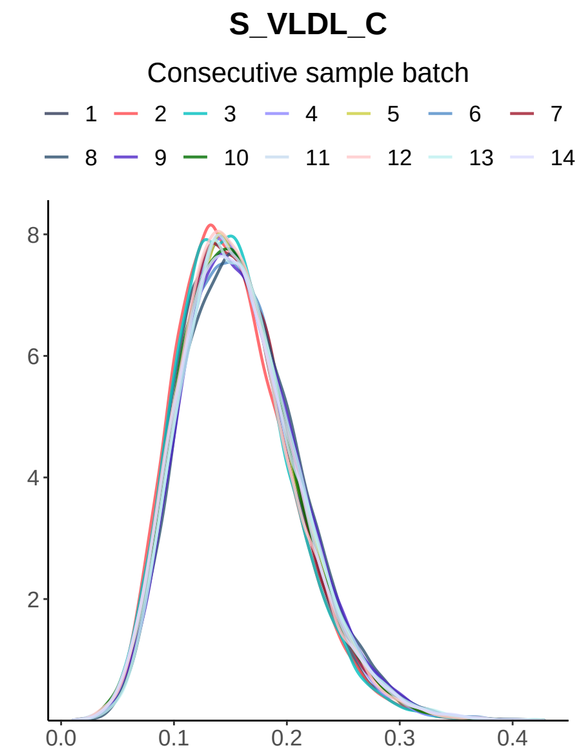
S_VLDL_L



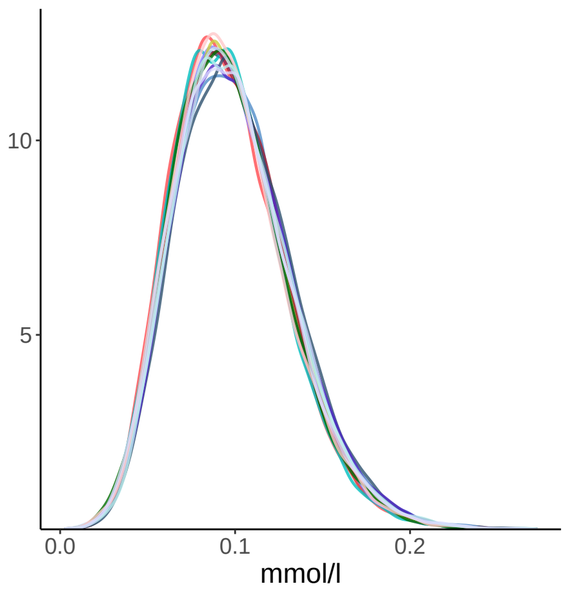
S_VLDL_PL



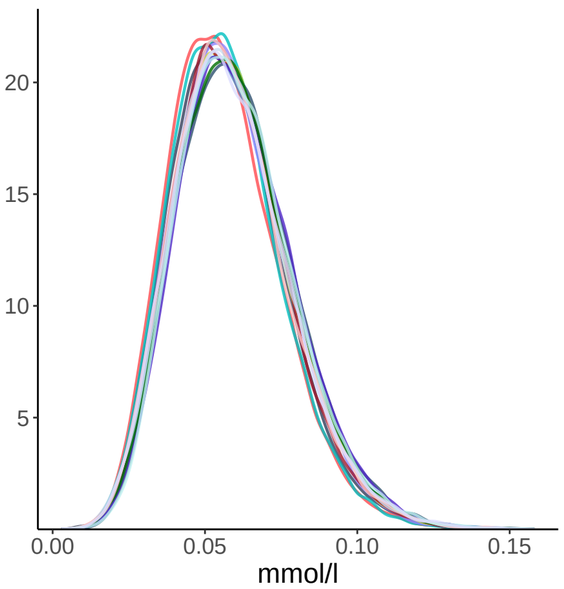
S_VLDL_C



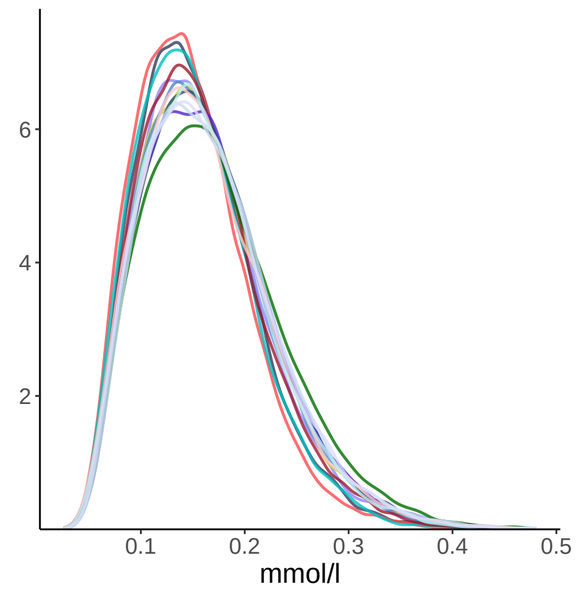
S_VLDL_CE



S_VLDL_FC

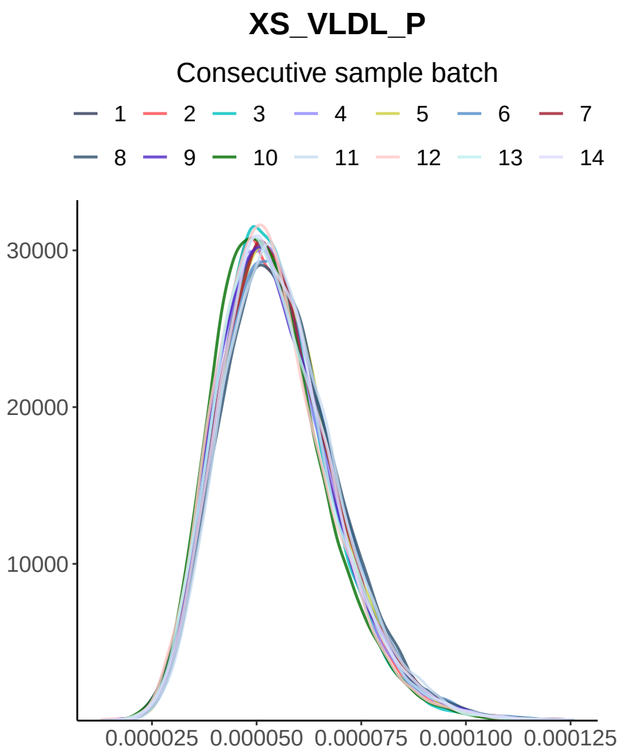


S_VLDL_TG

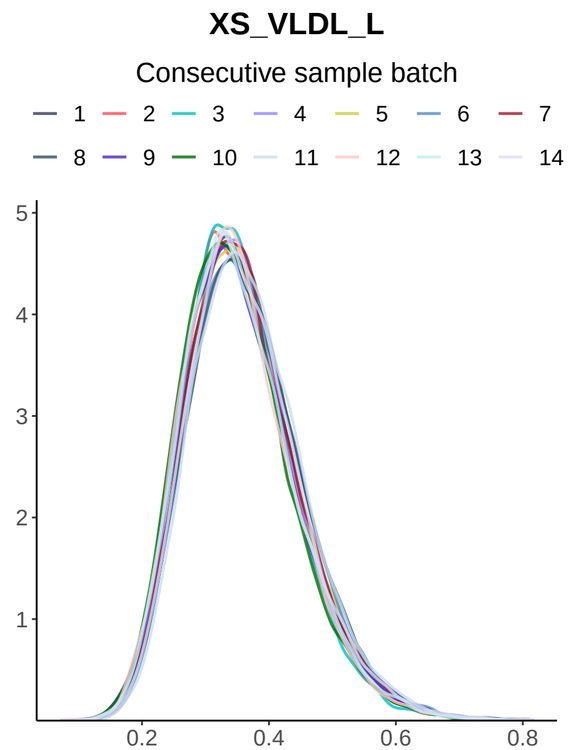


Very small VLDL (average diameter 31.3 nm)

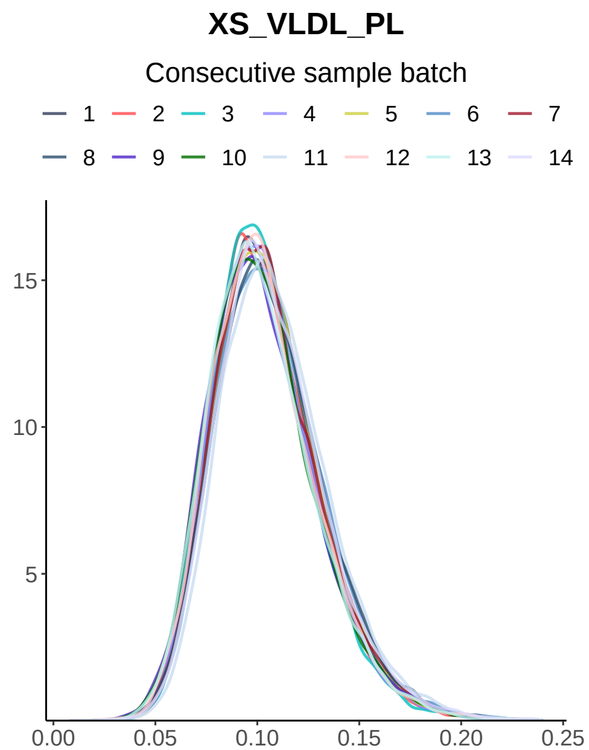
XS_VLDL_P



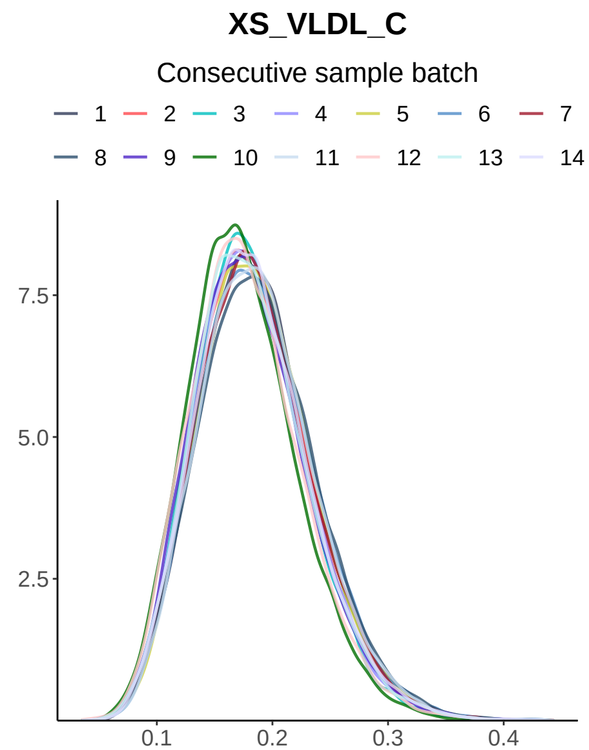
XS_VLDL_L



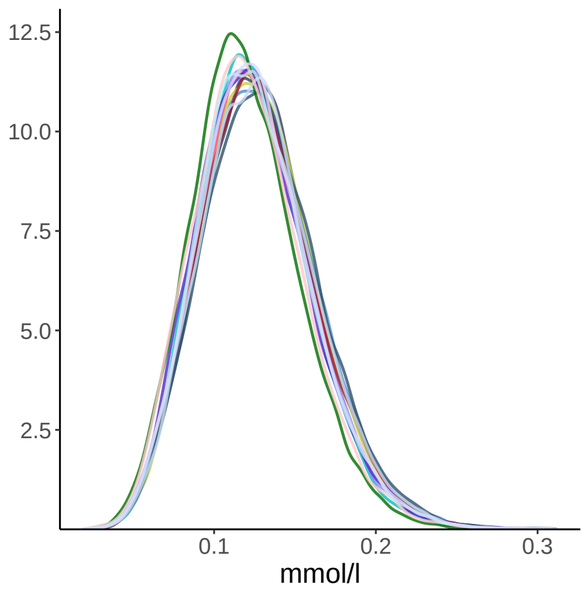
XS_VLDL_PL



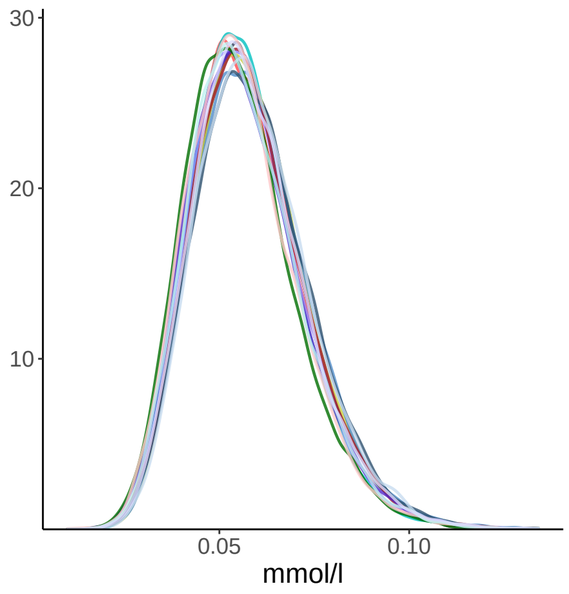
XS_VLDL_C



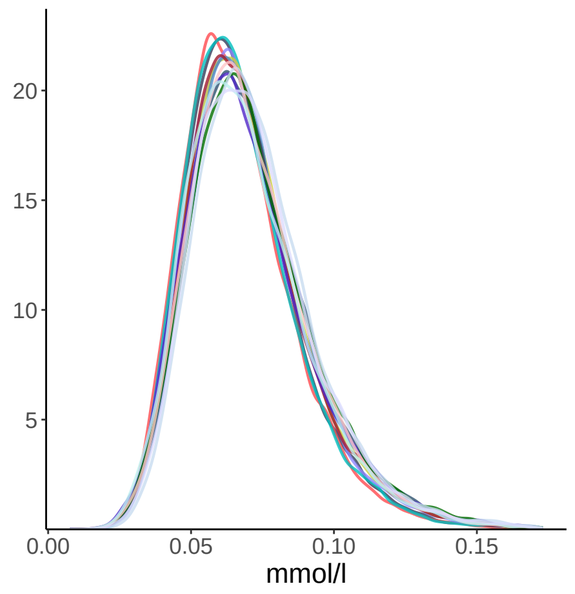
XS_VLDL_CE



XS_VLDL_FC

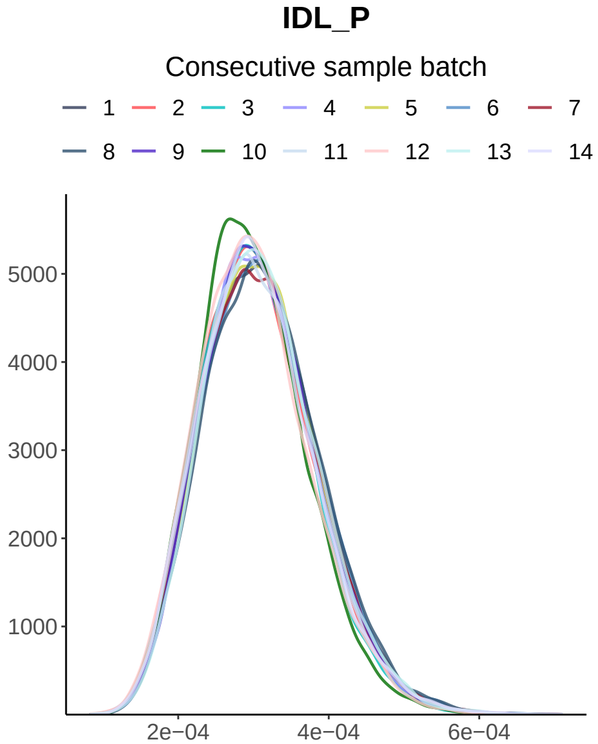


XS_VLDL_TG

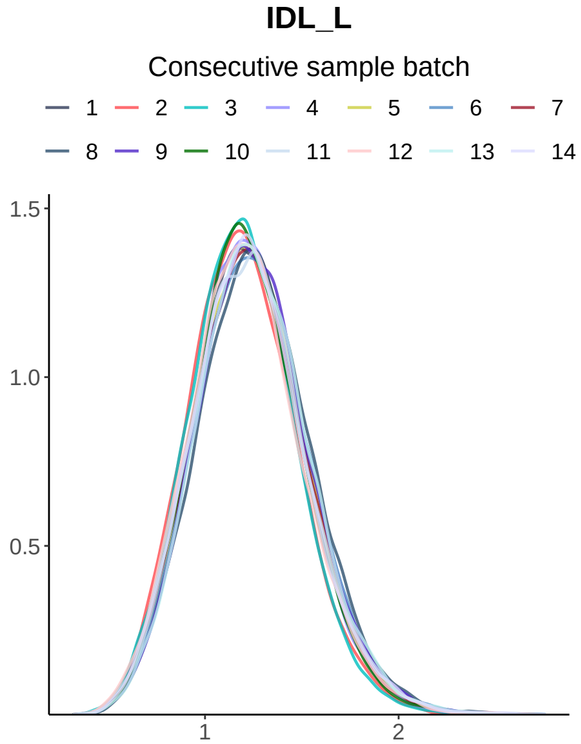


IDL (average diameter 28.6 nm)

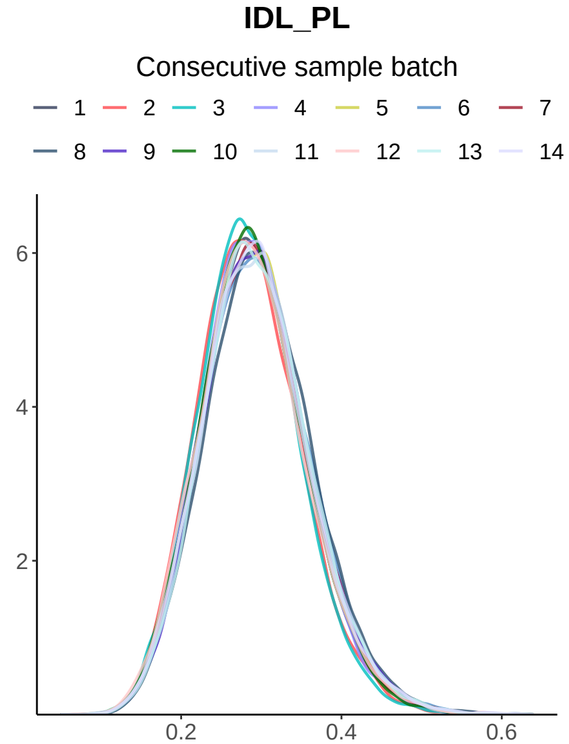
IDL_P



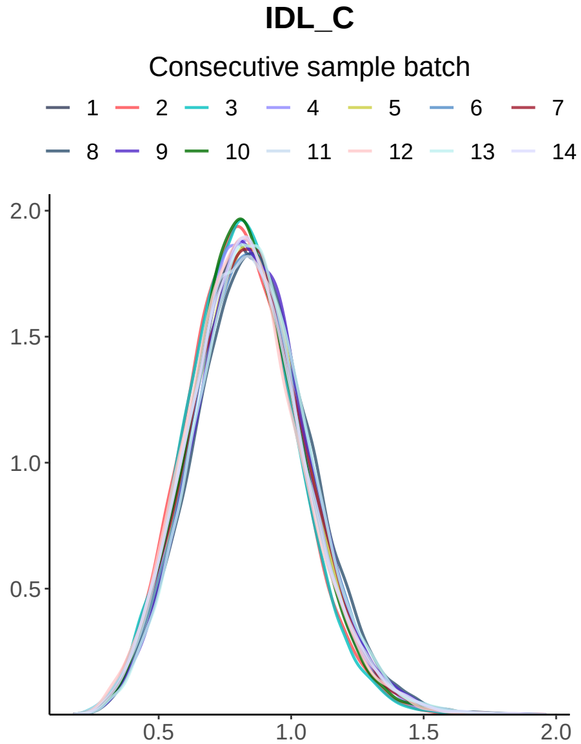
IDL_L



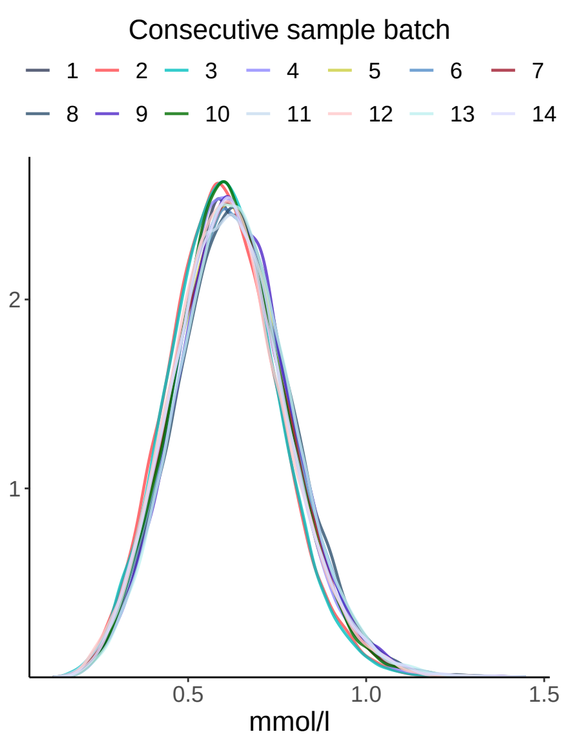
IDL_PL



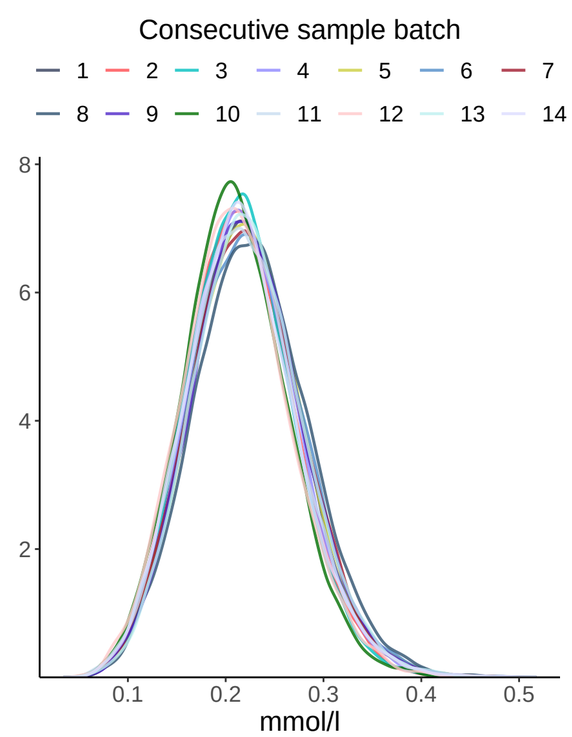
IDL_C



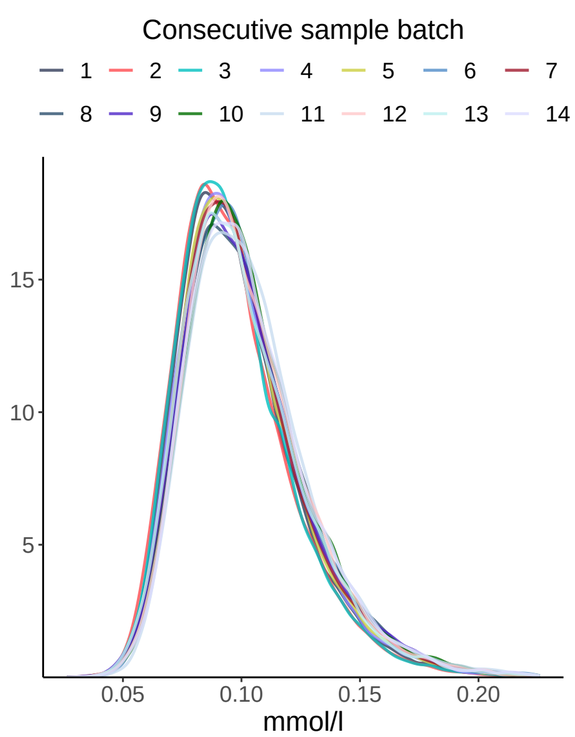
IDL_CE



IDL_FC

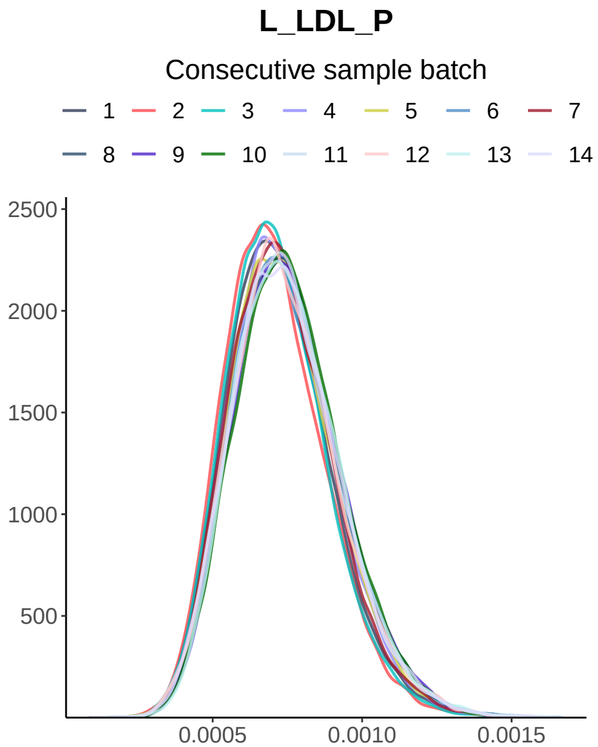


IDL_TG

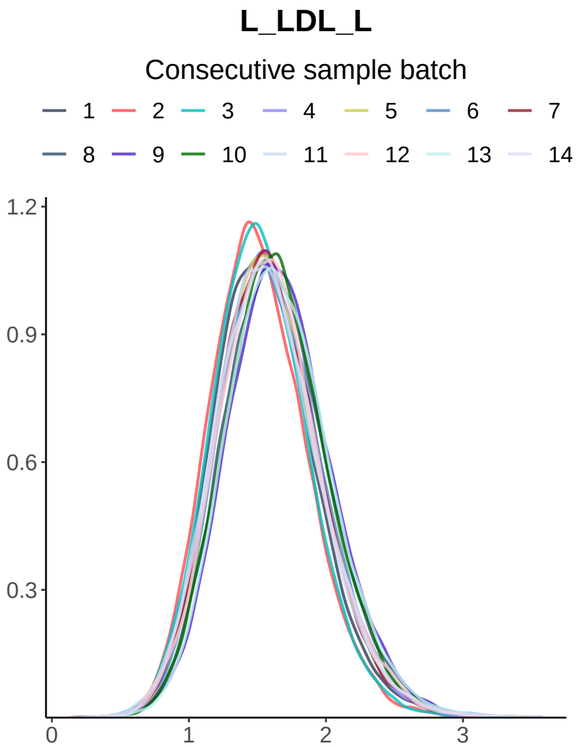


Large LDL (average diameter 25.5 nm)

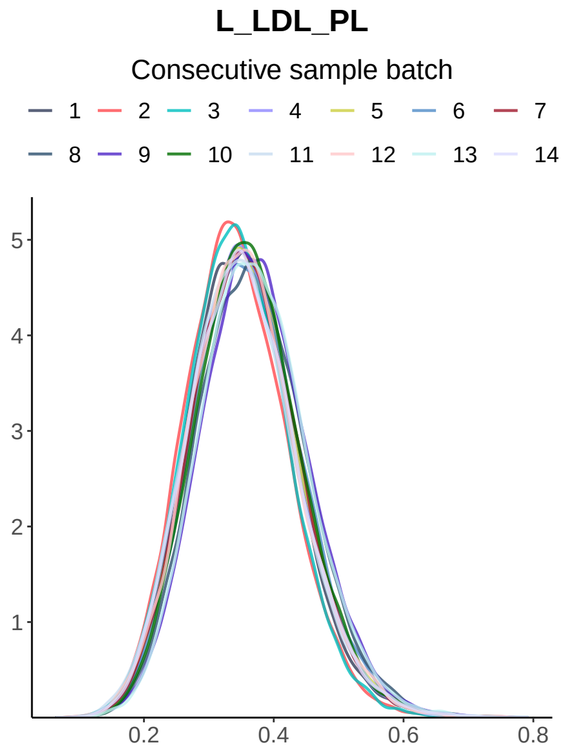
L_LDL_P



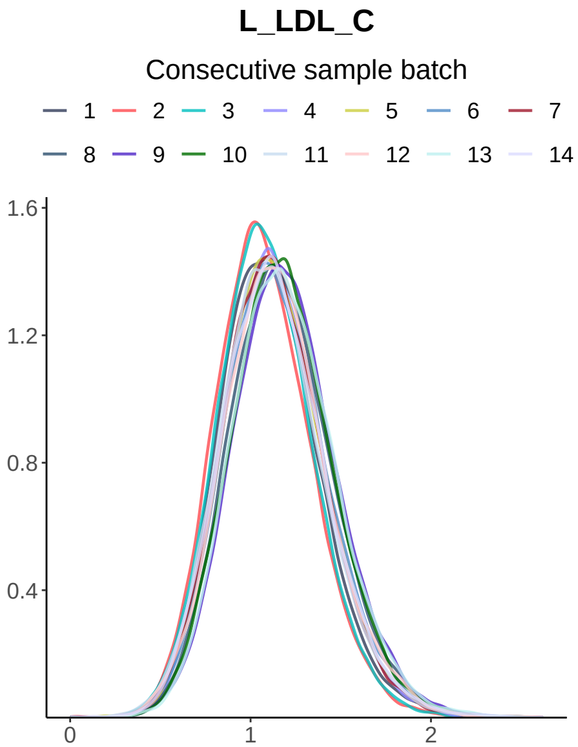
L_LDL_L



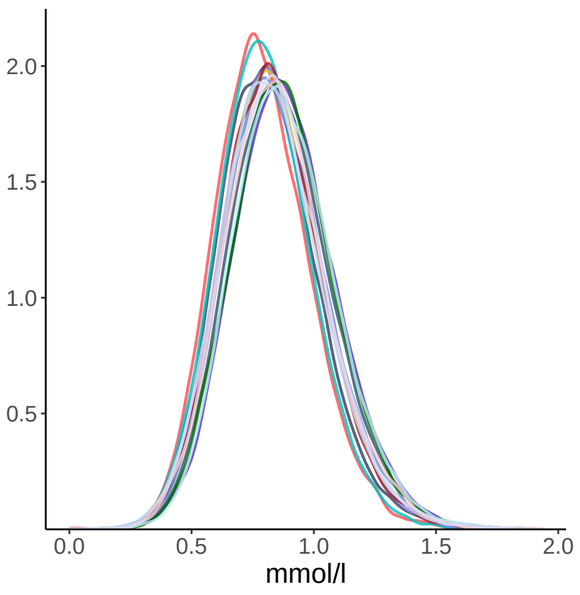
L_LDL_PL



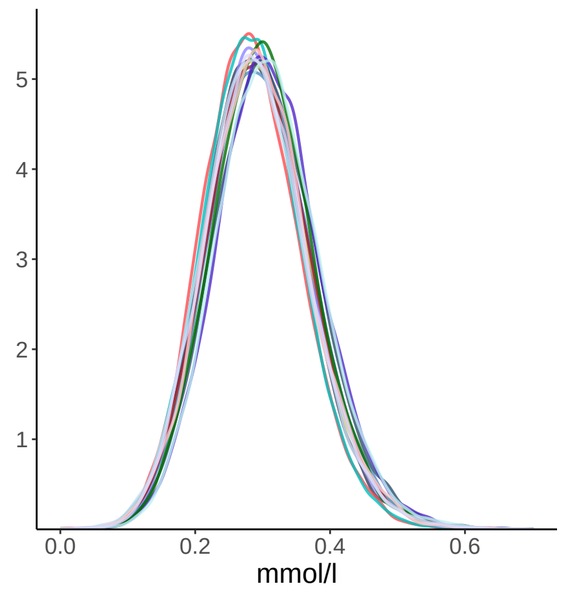
L_LDL_C



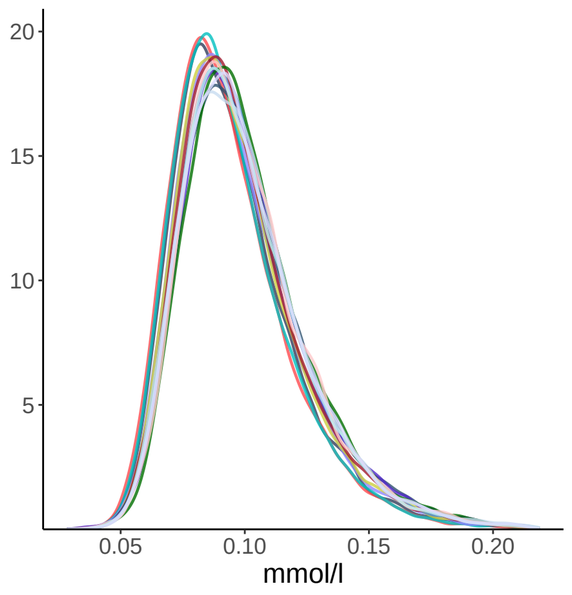
L_LDL_CE



L_LDL_FC

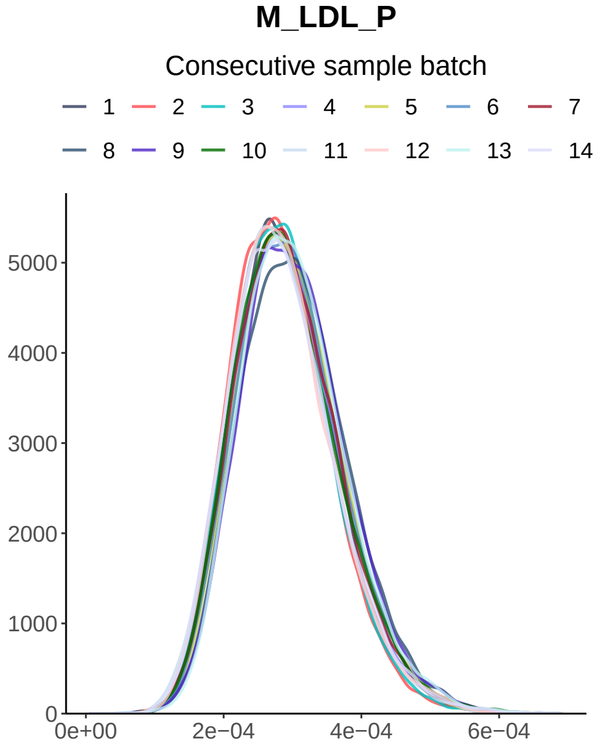


L_LDL_TG

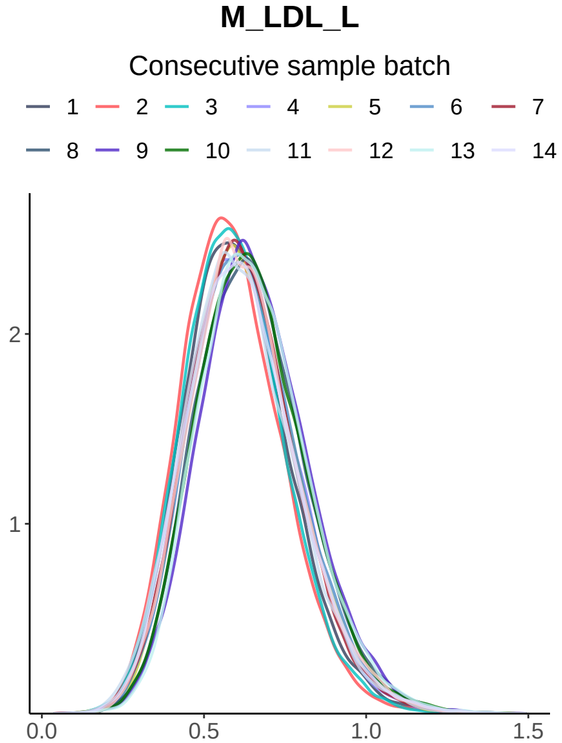


Medium LDL (average diameter 23 nm)

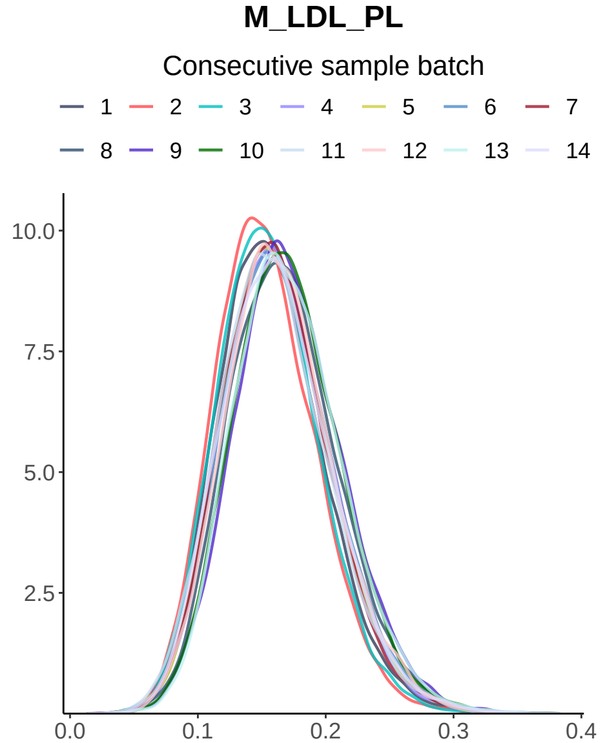
M_LDL_P



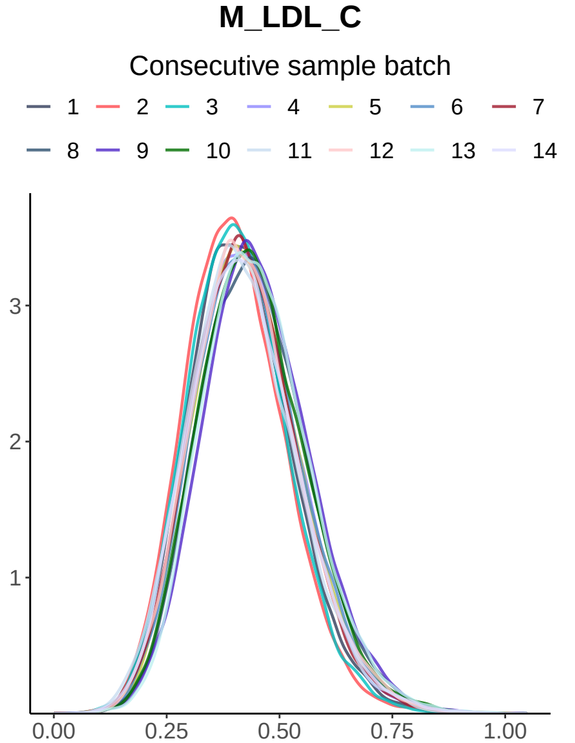
M_LDL_L



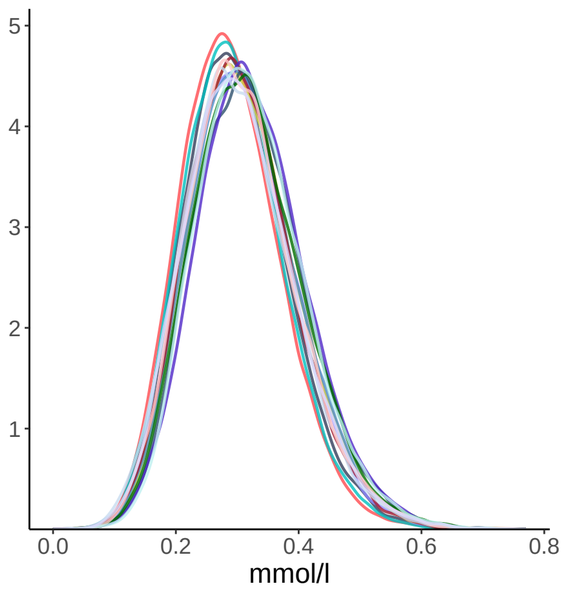
M_LDL_PL



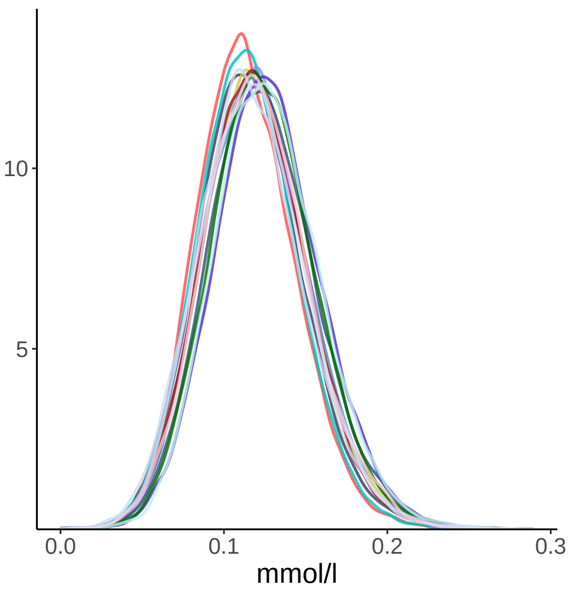
M_LDL_C



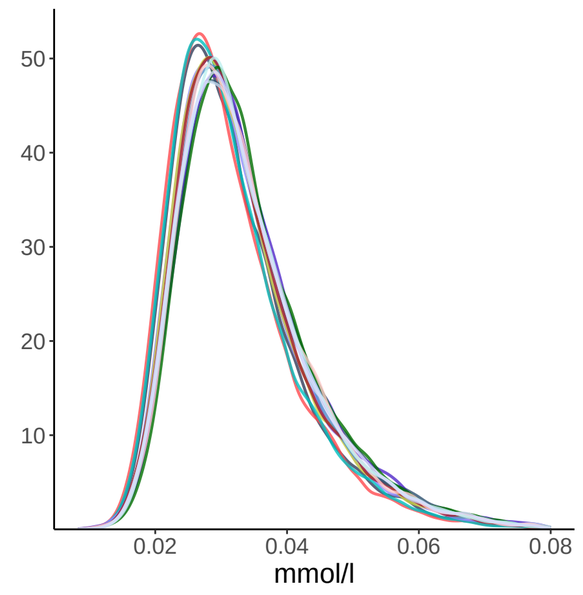
M_LDL_CE



M_LDL_FC

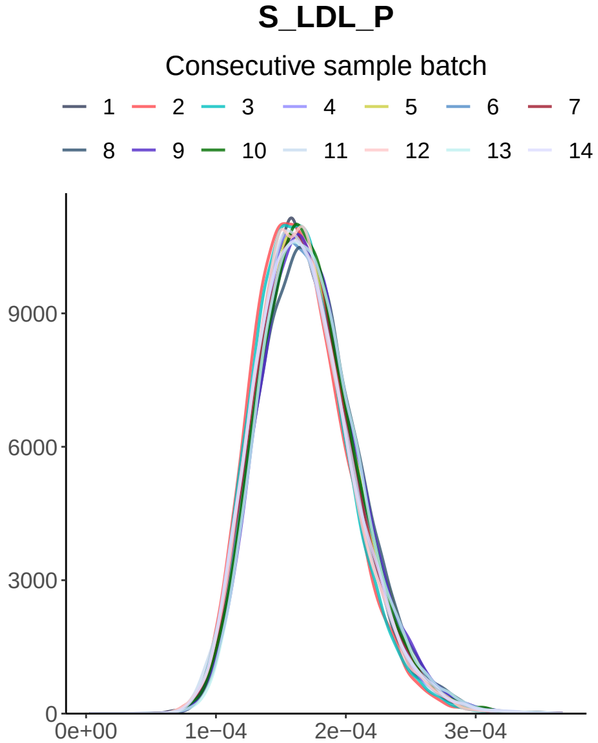


M_LDL_TG

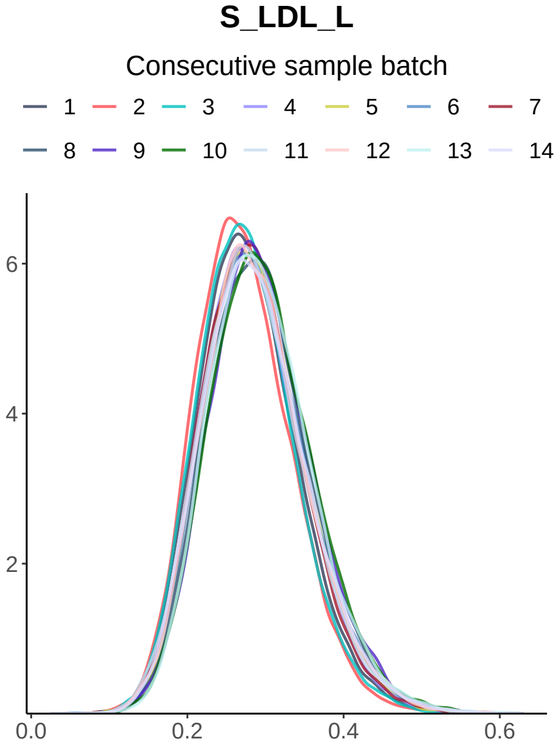


Small LDL (average diameter 18.7 nm)

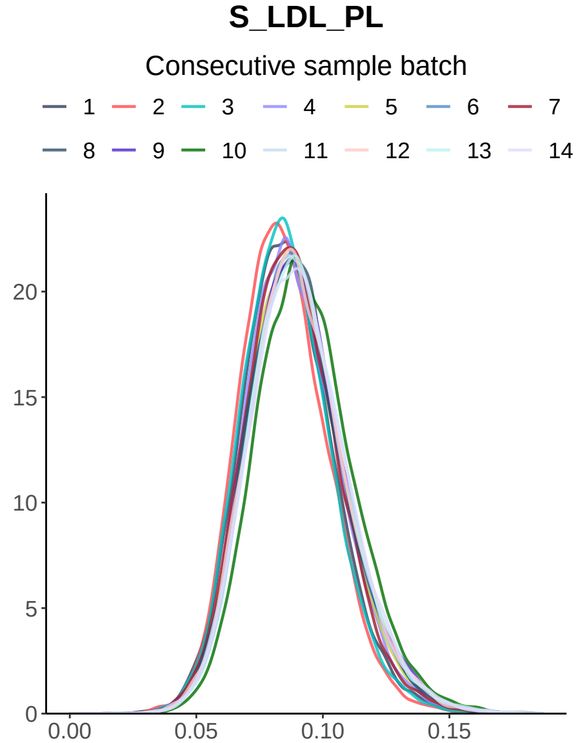
S_LDL_P



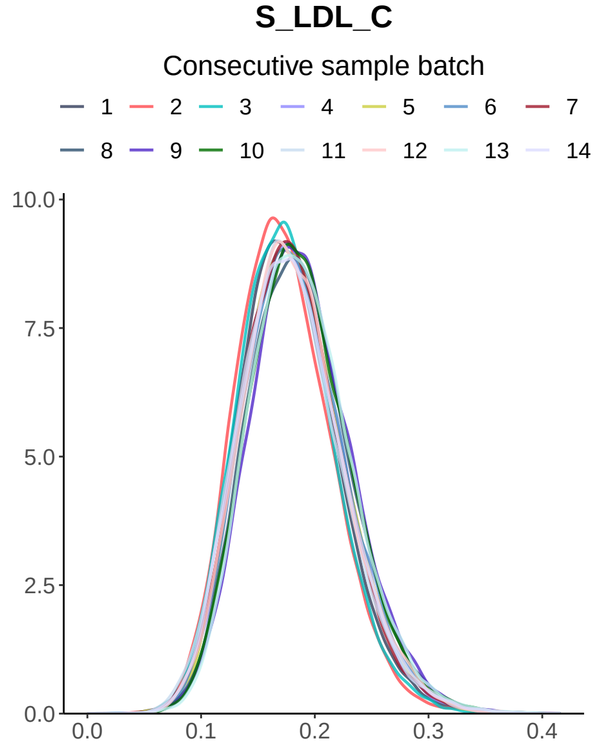
S_LDL_L



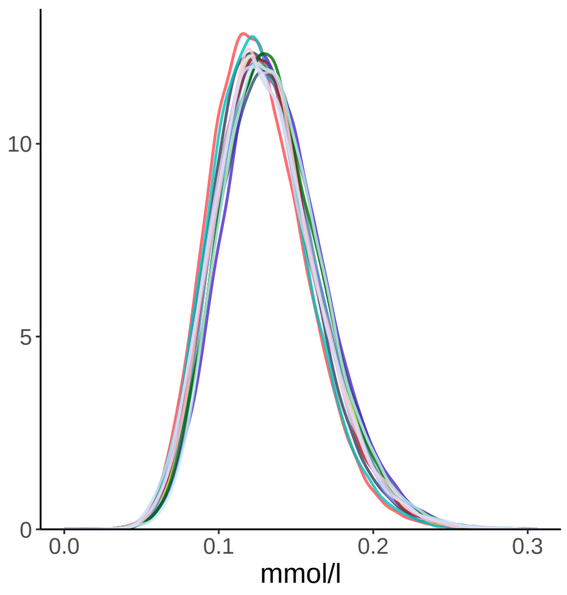
S_LDL_PL



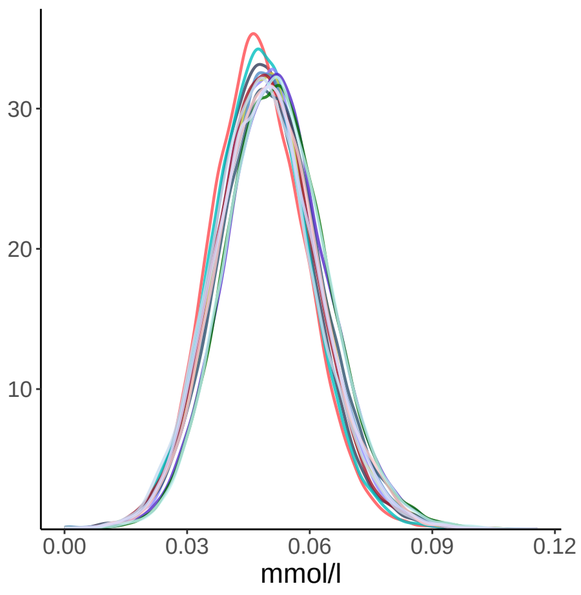
S_LDL_C



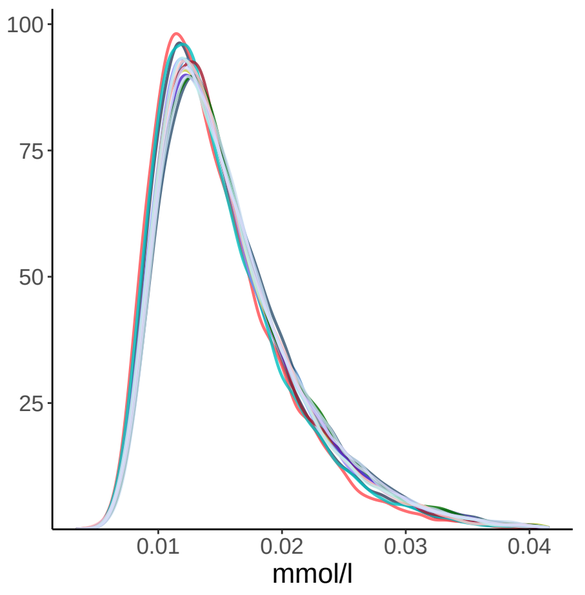
S_LDL_CE



S_LDL_FC

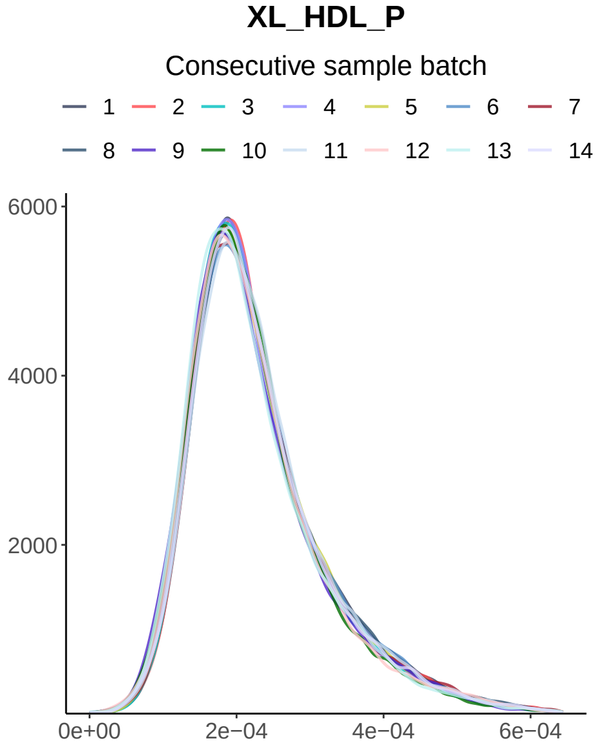


S_LDL_TG

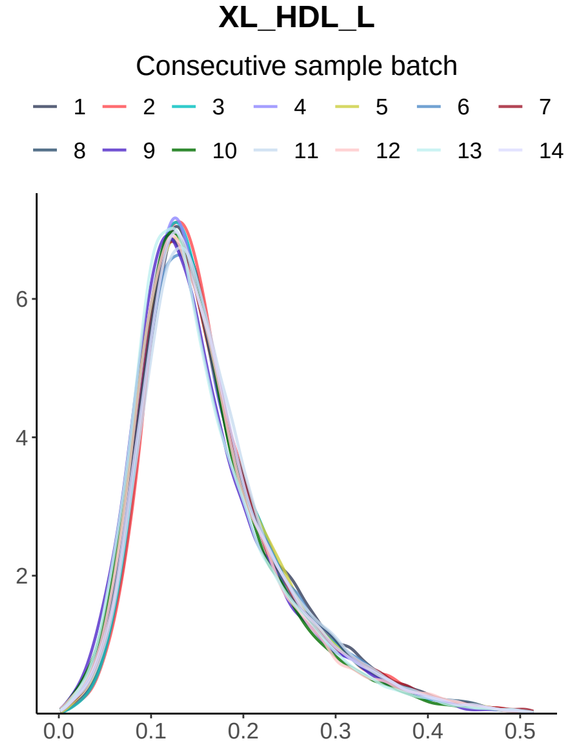


Very large HDL (average diameter 14.3 nm)

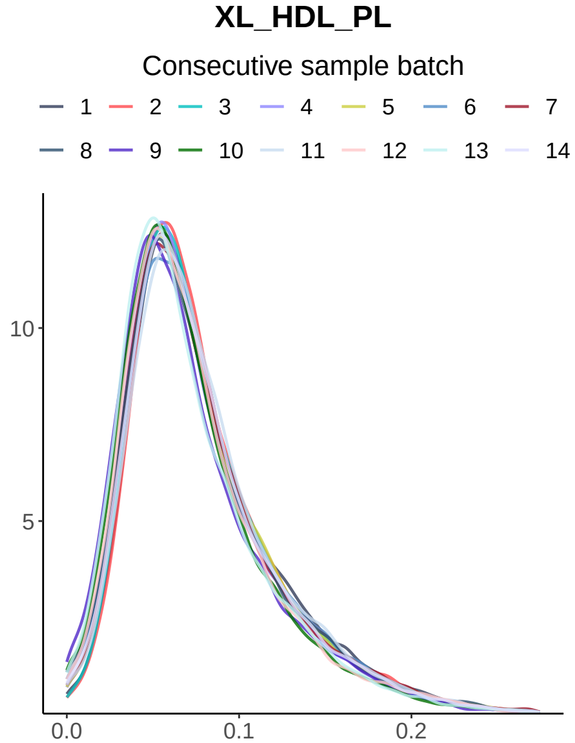
XL_HDL_P



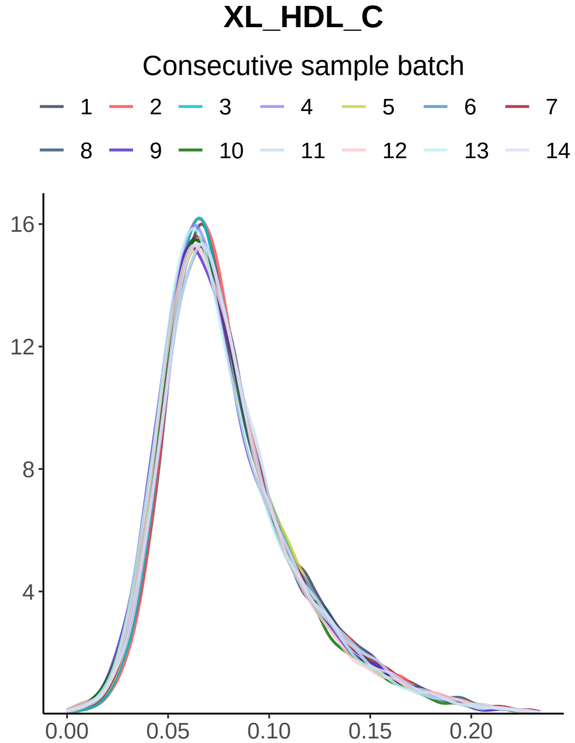
XL_HDL_L



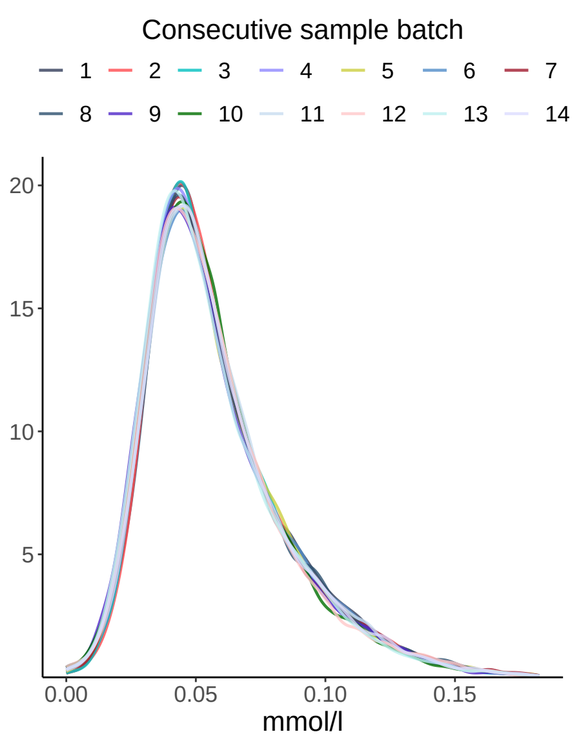
XL_HDL_PL



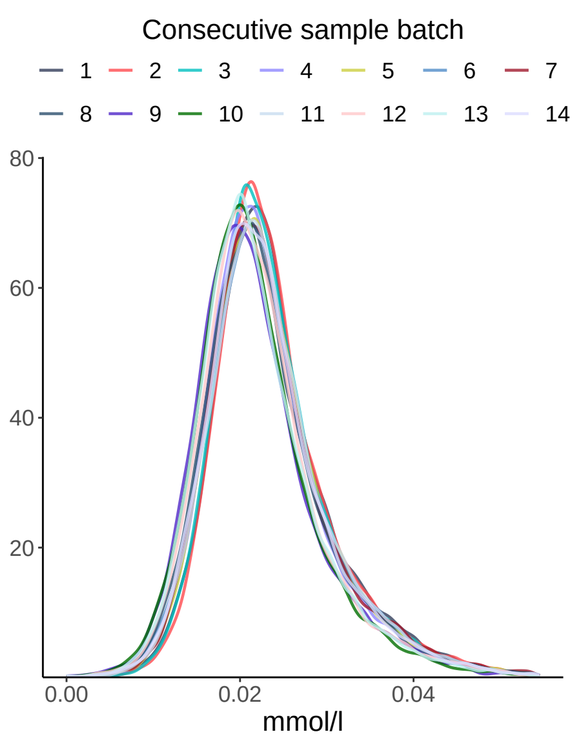
XL_HDL_C



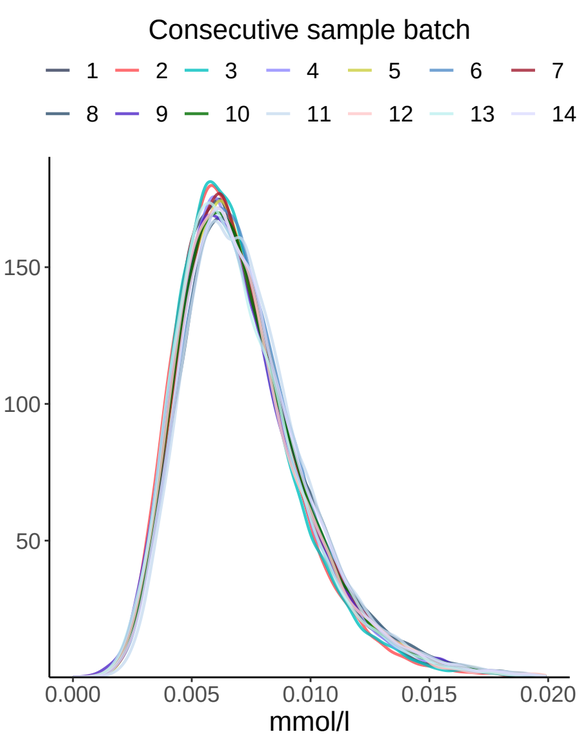
XL_HDL_CE



XL_HDL_FC

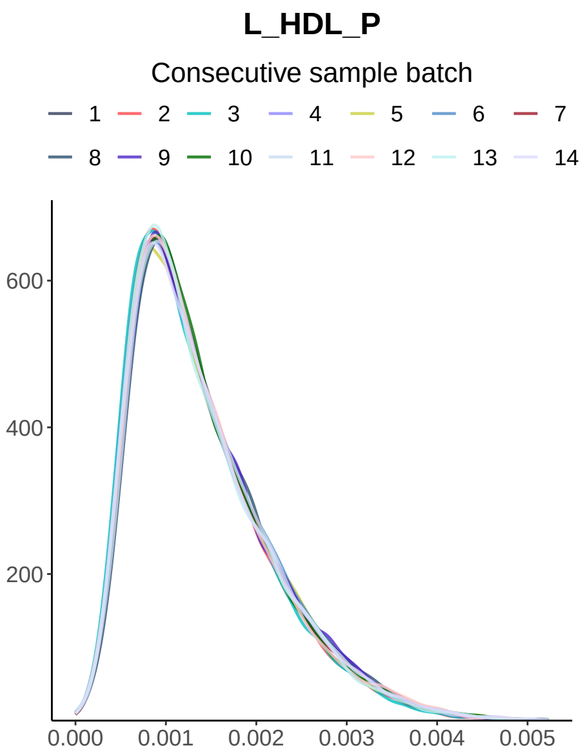


XL_HDL_TG

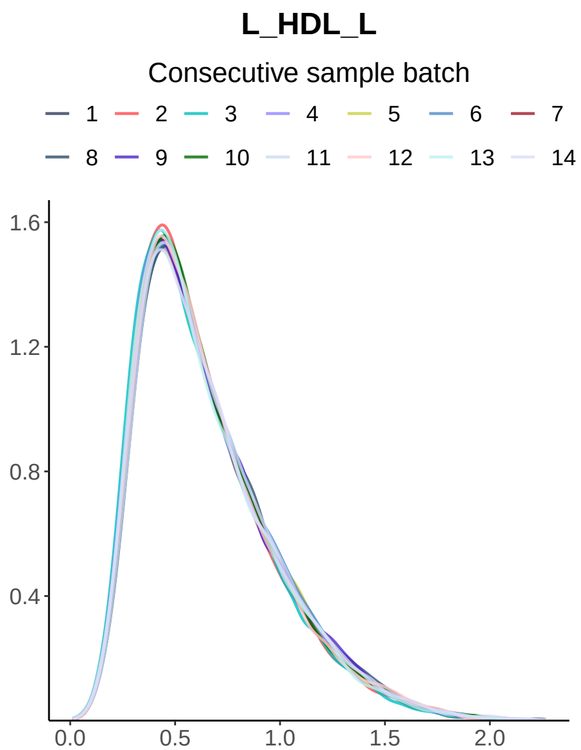


Large HDL (average diameter 12.1 nm)

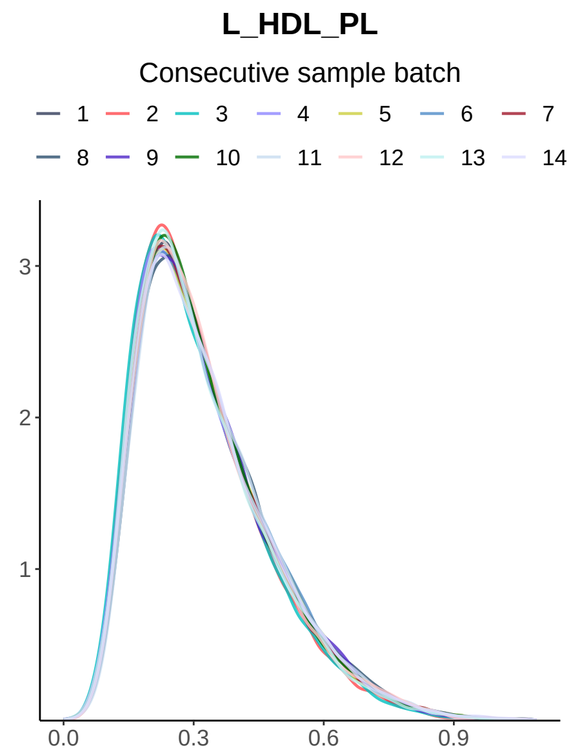
L_HDL_P



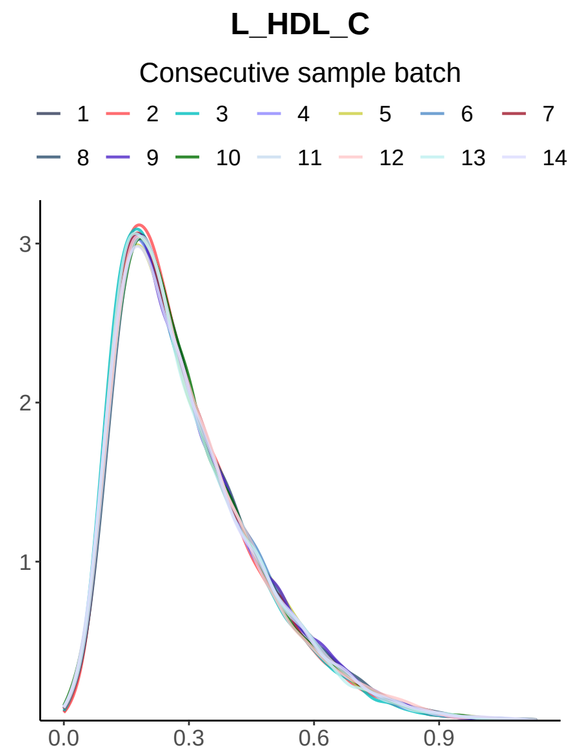
L_HDL_L



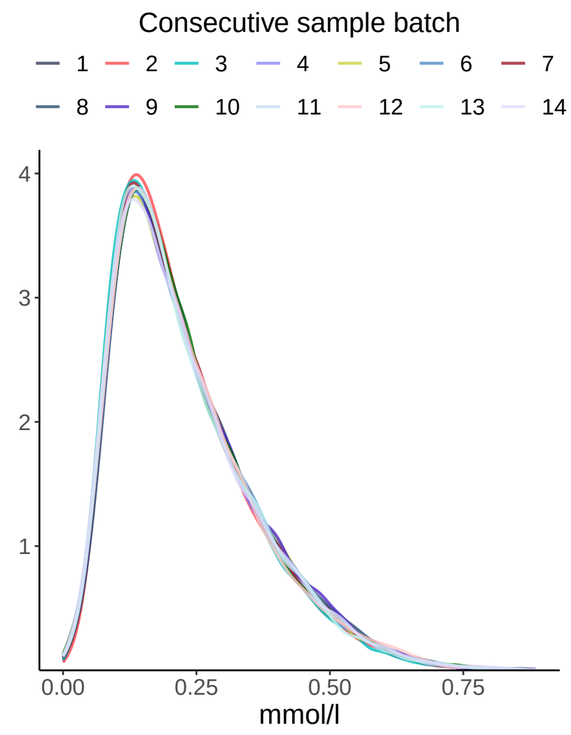
L_HDL_PL



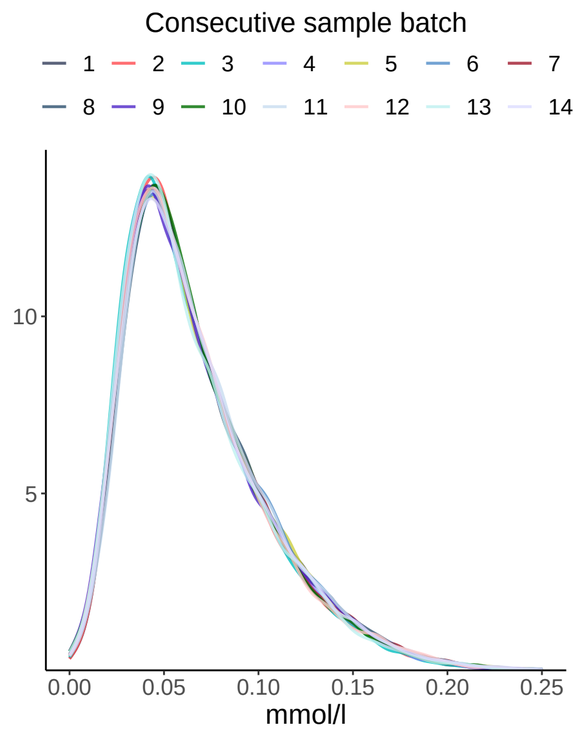
L_HDL_C



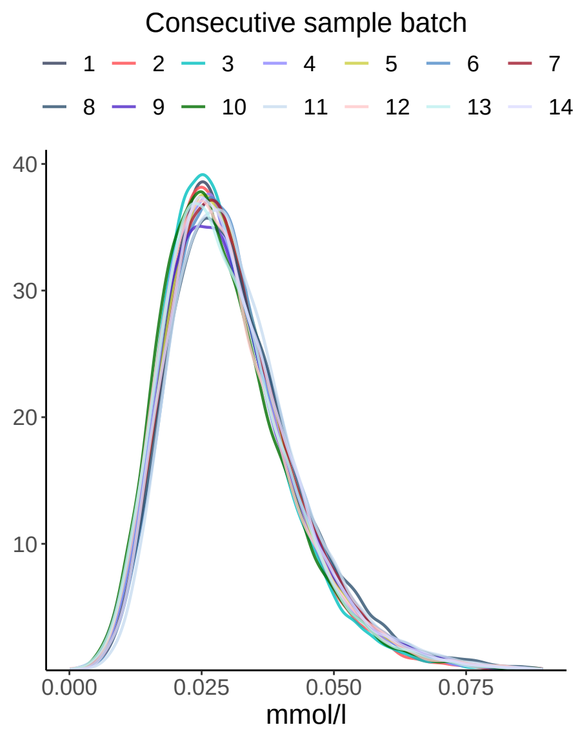
L_HDL_CE



L_HDL_FC

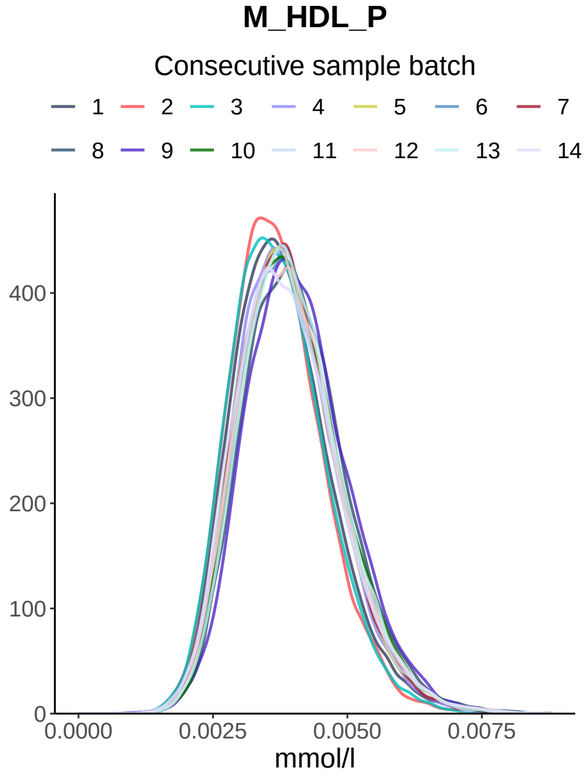


L_HDL_TG

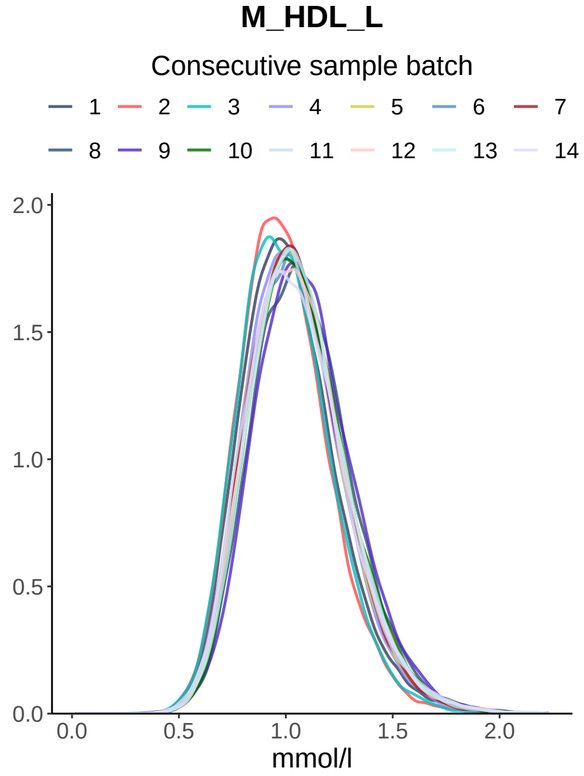


Medium HDL (average diameter 10.9 nm)

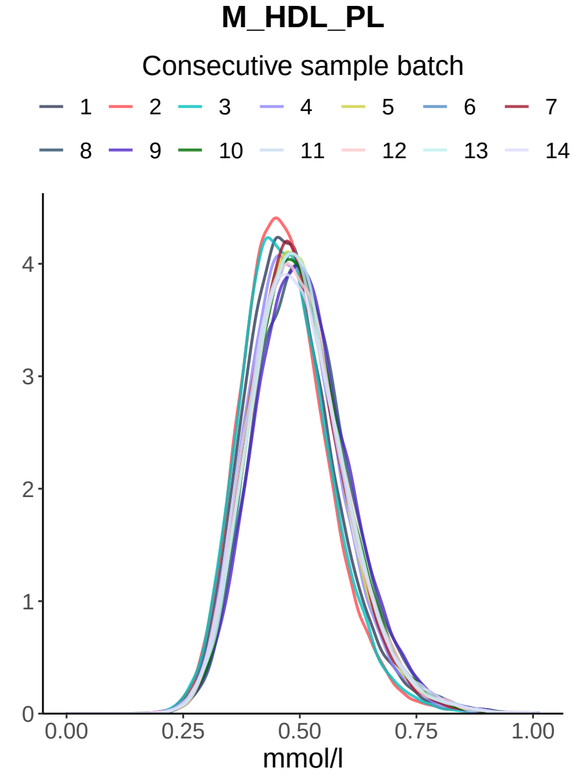
M_HDL_P



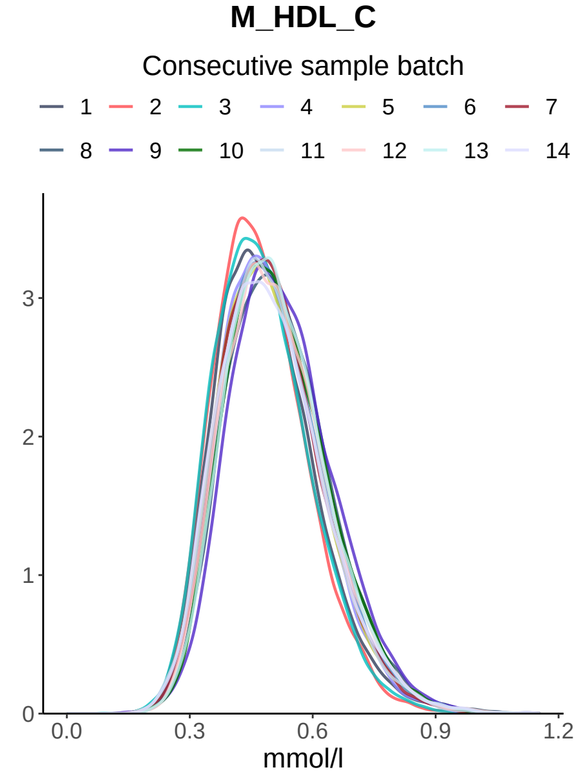
M_HDL_L



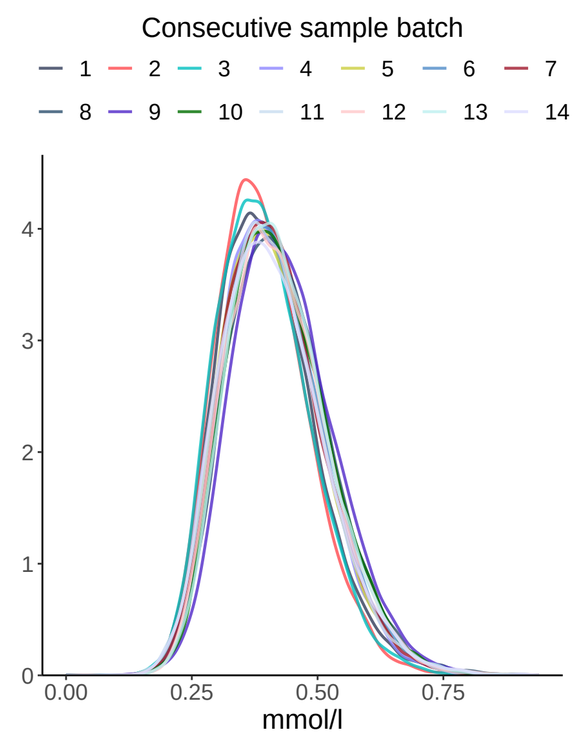
M_HDL_PL



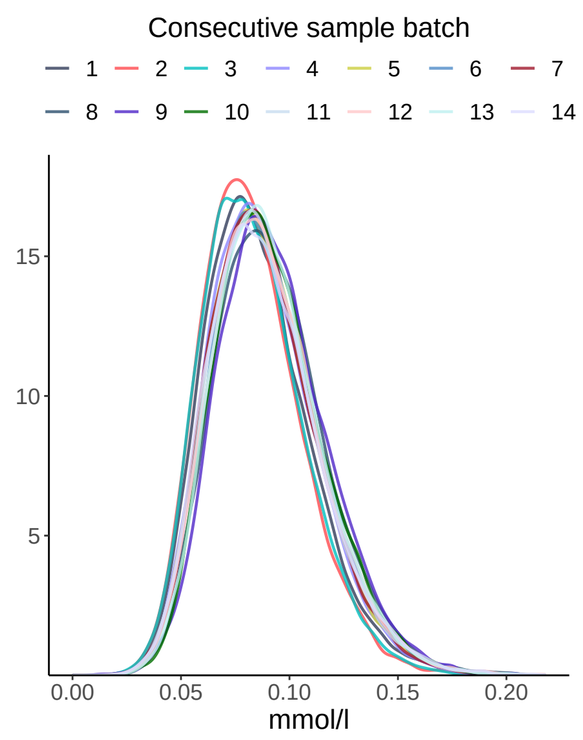
M_HDL_C



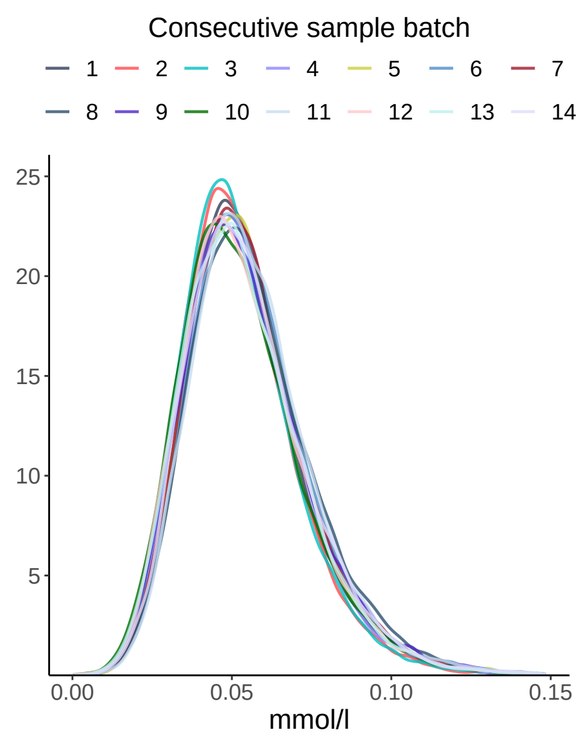
M_HDL_CE



M_HDL_FC

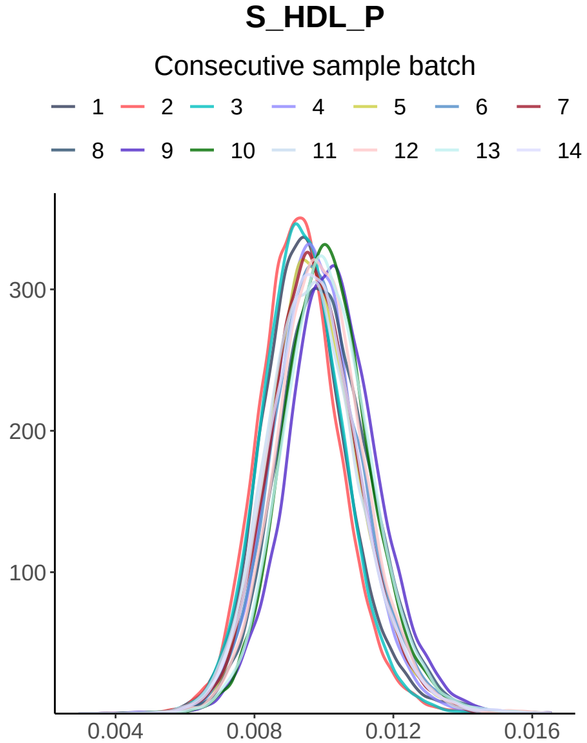


M_HDL_TG

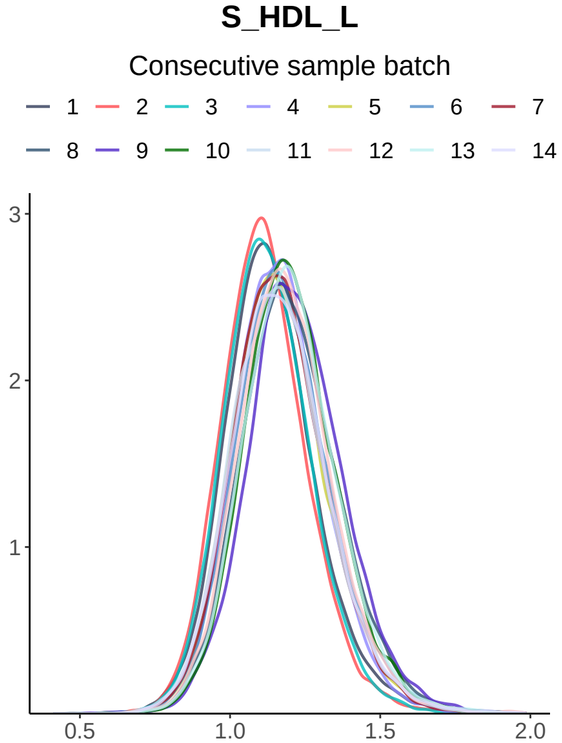


Small HDL (average diameter 8.7 nm)

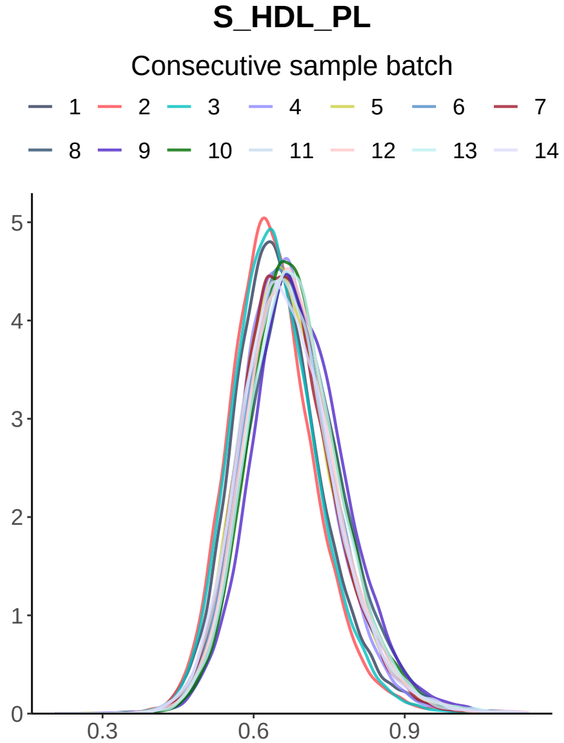
S_HDL_P



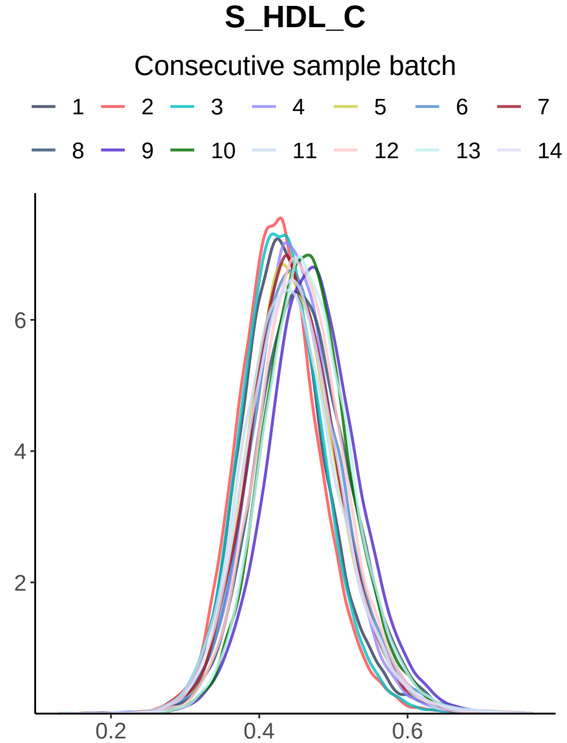
S_HDL_L



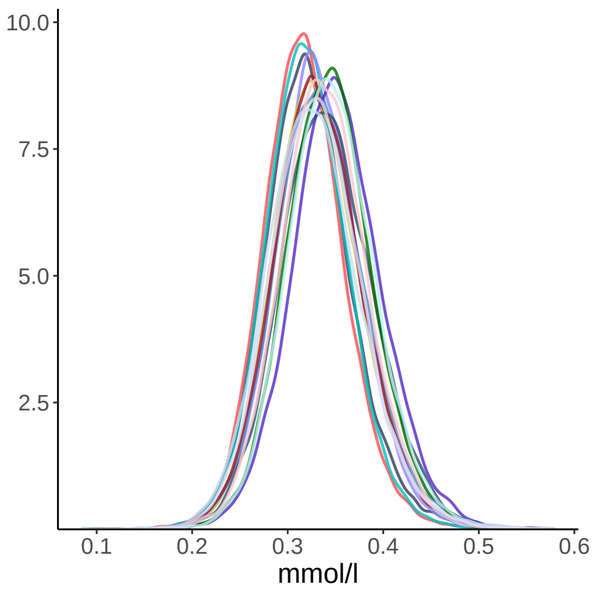
S_HDL_PL



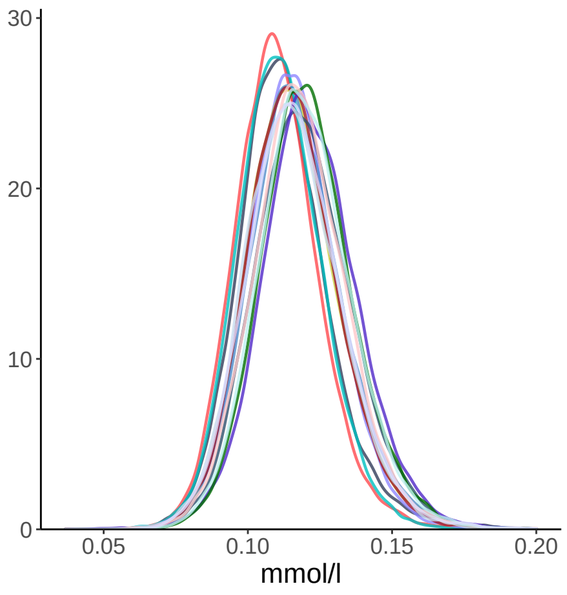
S_HDL_C



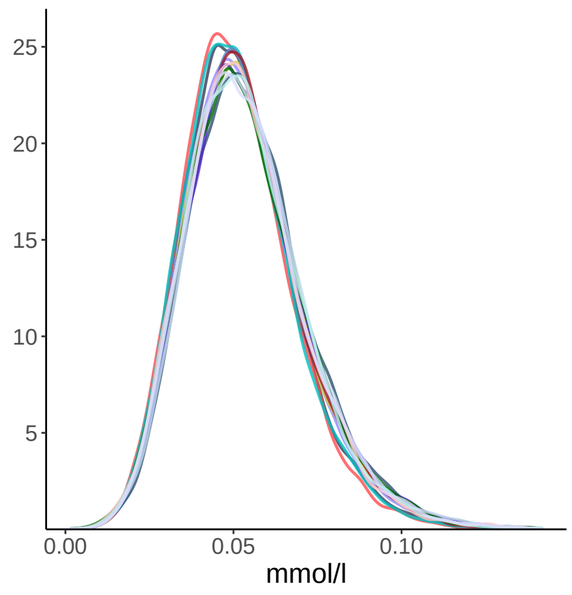
S_HDL_CE



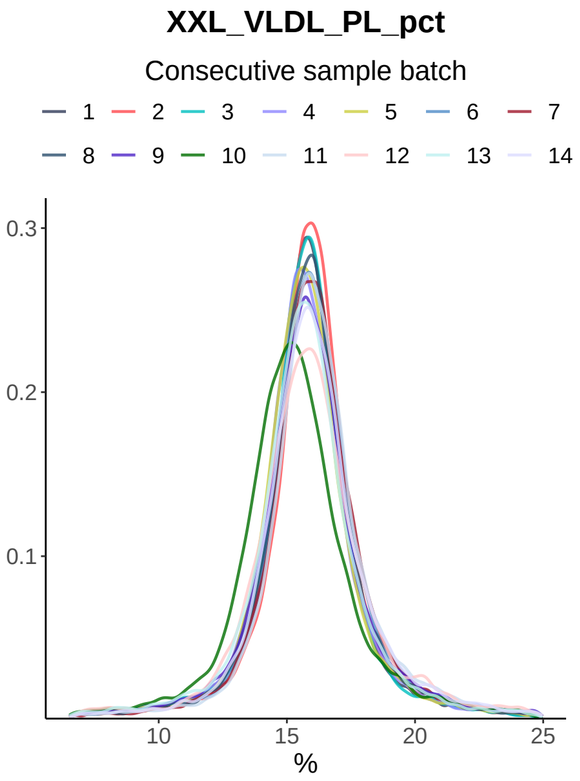
S_HDL_FC

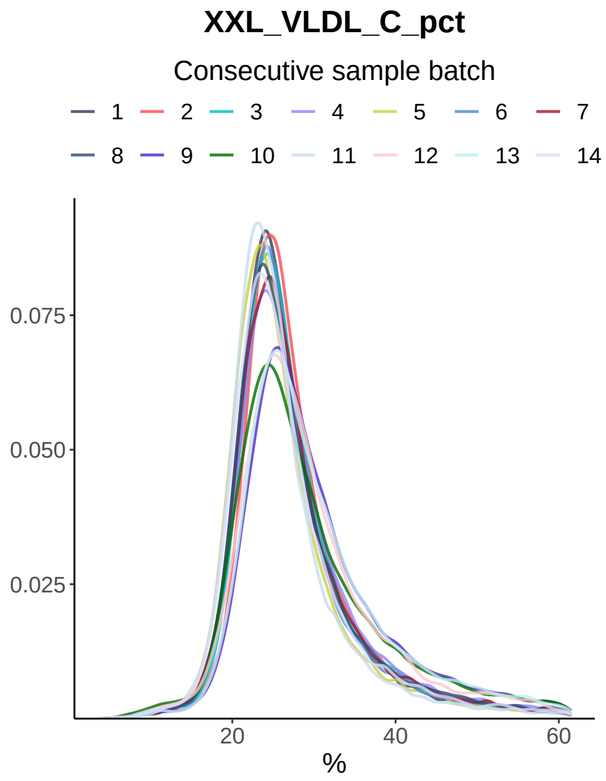


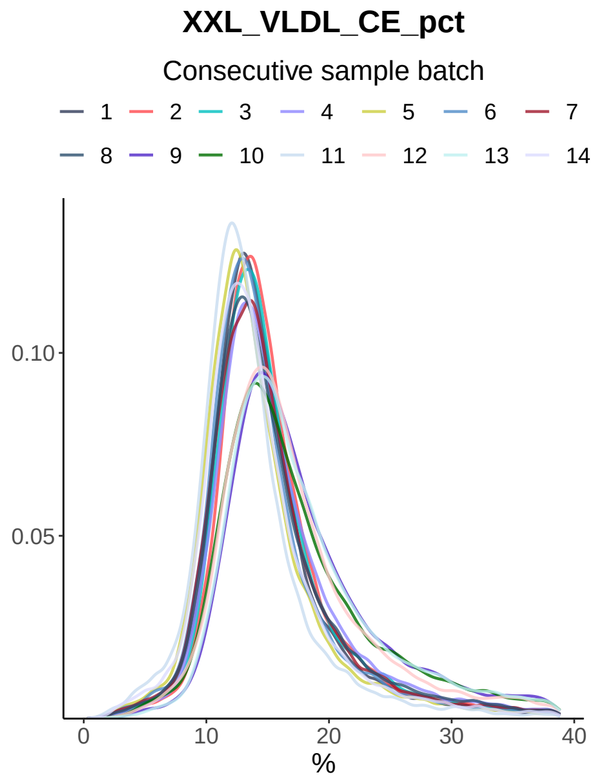
S_HDL_TG

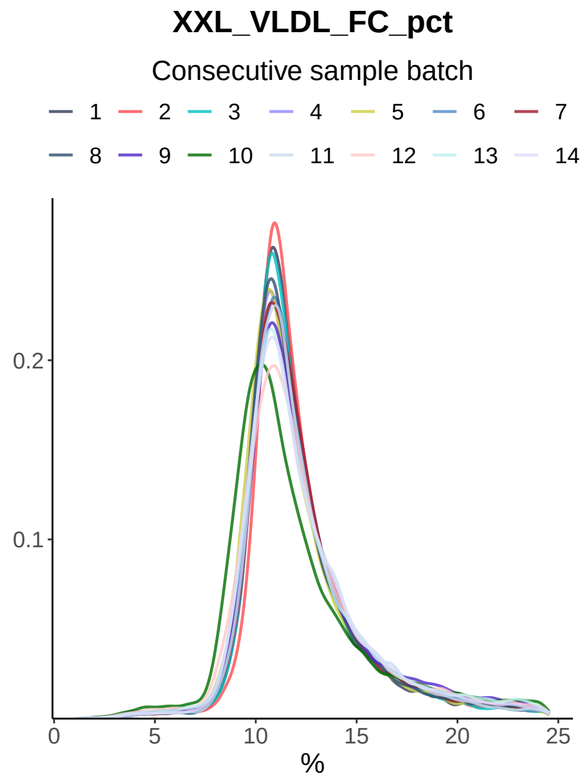


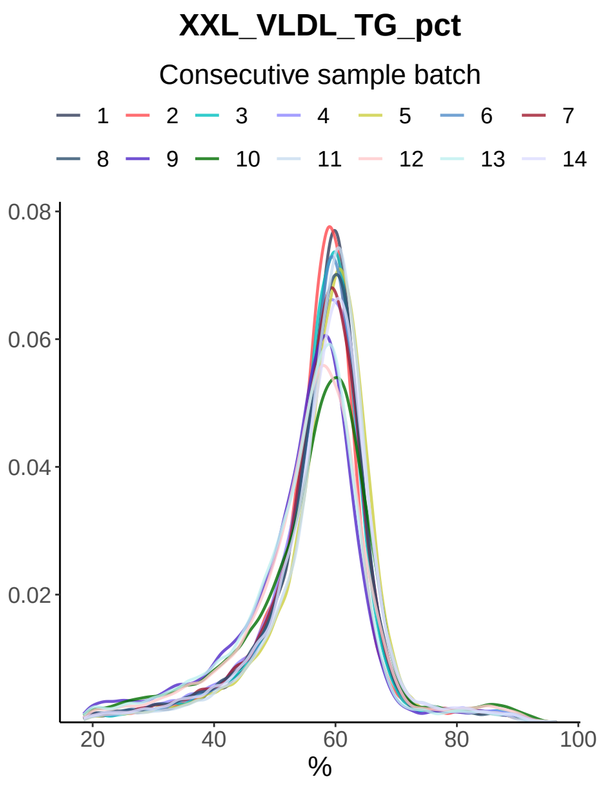
Chylomicrons and extremely large VLDL ratios





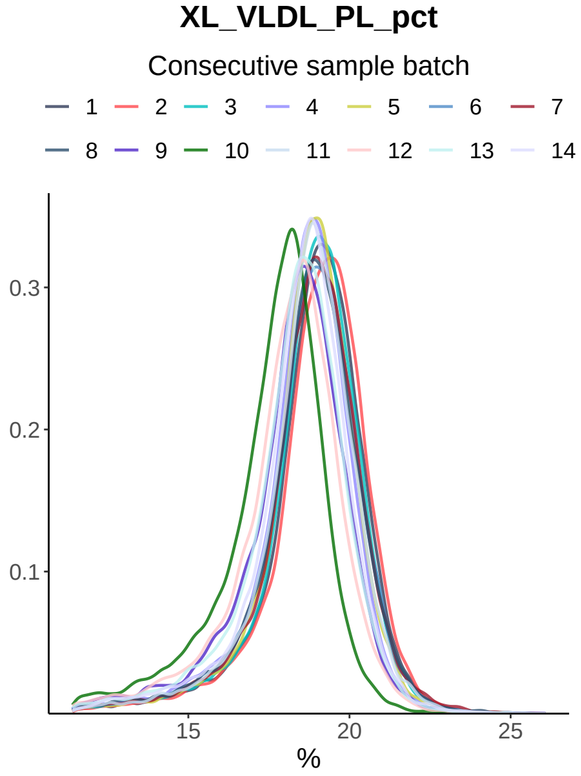




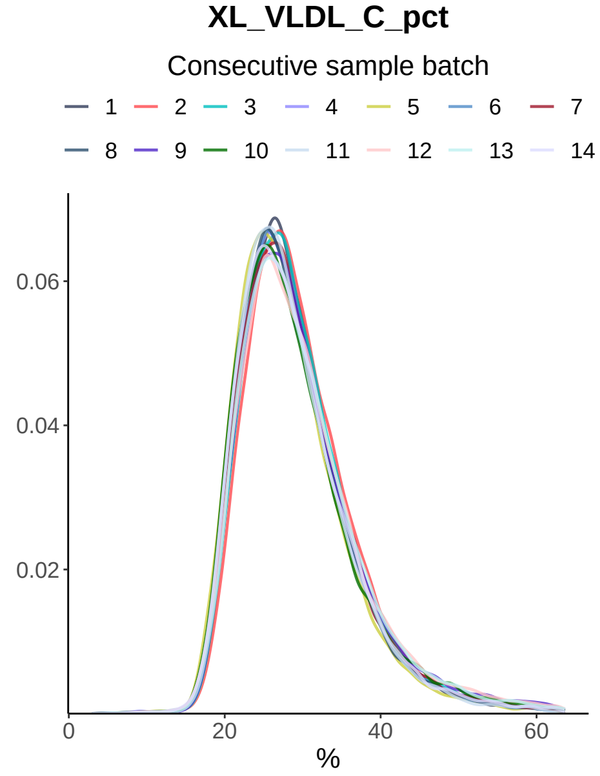


Very large VLDL ratios

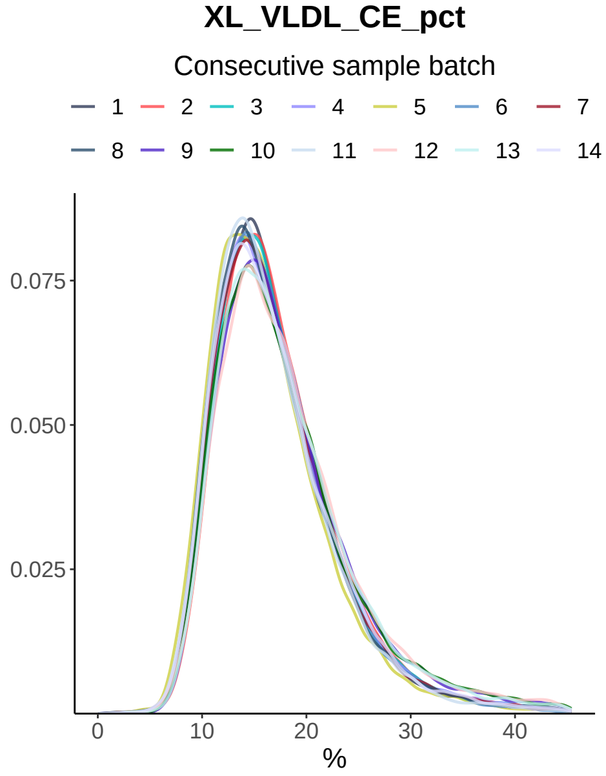
XL_VLDL_PL_pct



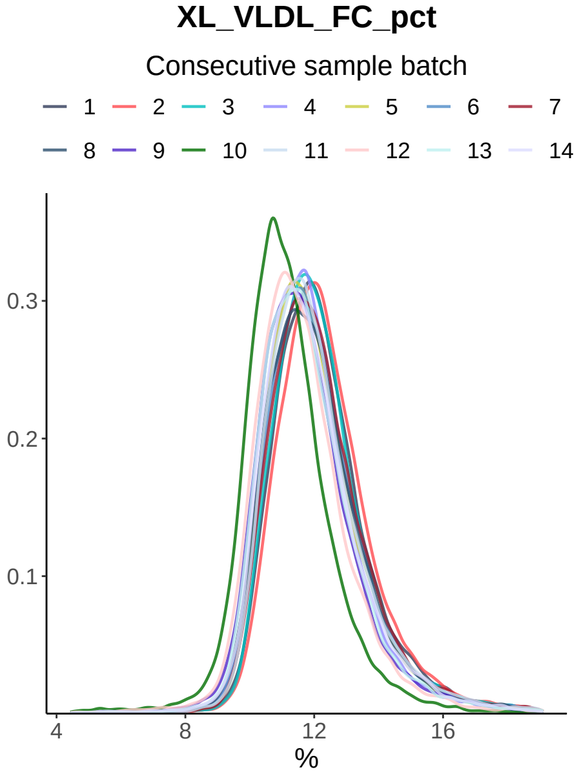
XL_VLDL_C_pct



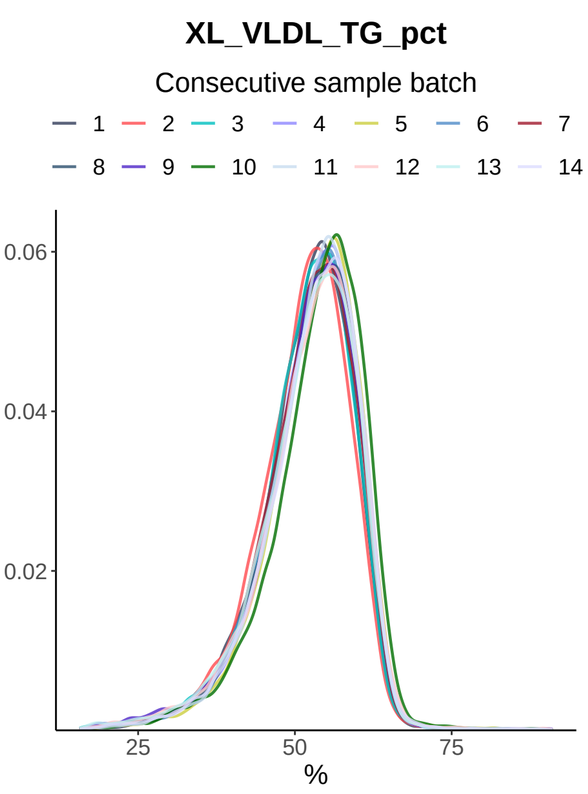
XL_VLDL_CE_pct



XL_VLDL_FC_pct

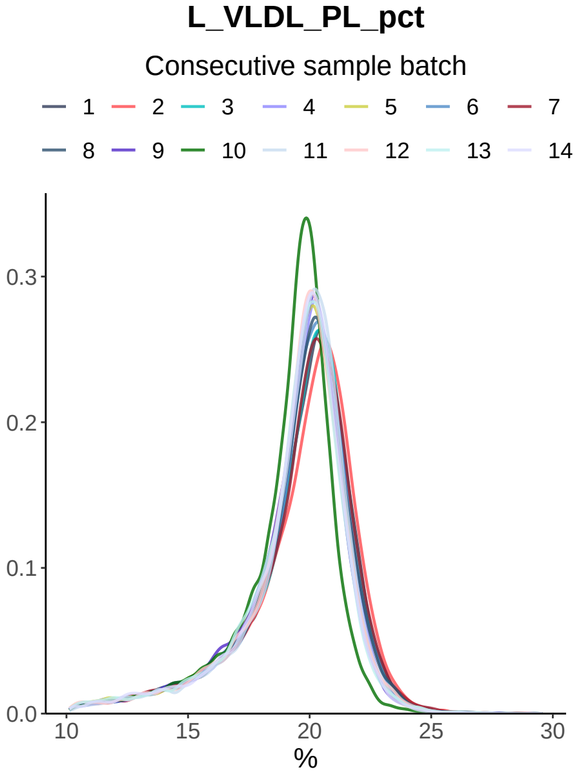


XL_VLDL_TG_pct

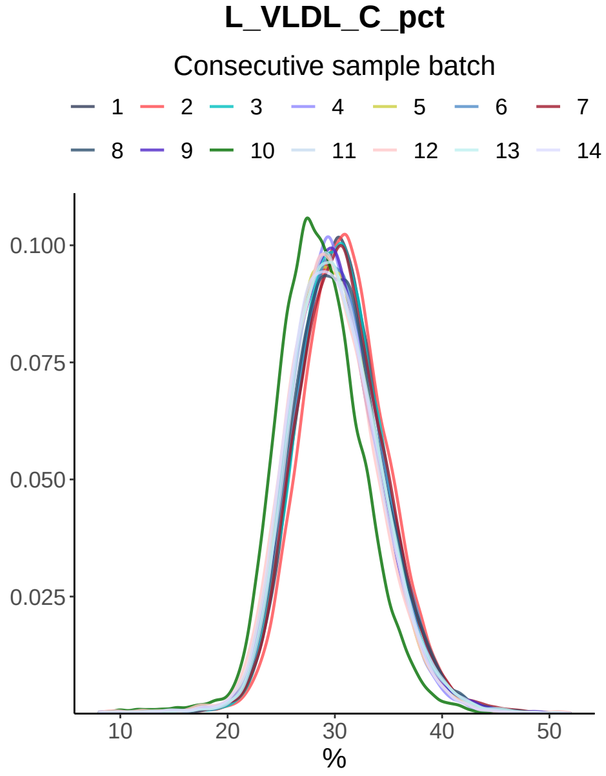


Large VLDL ratios

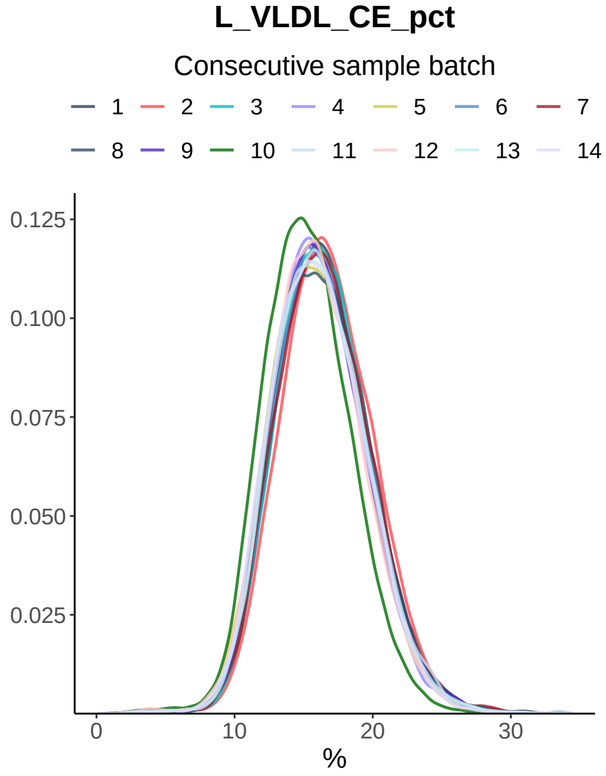
L_VLDL_PL_pct



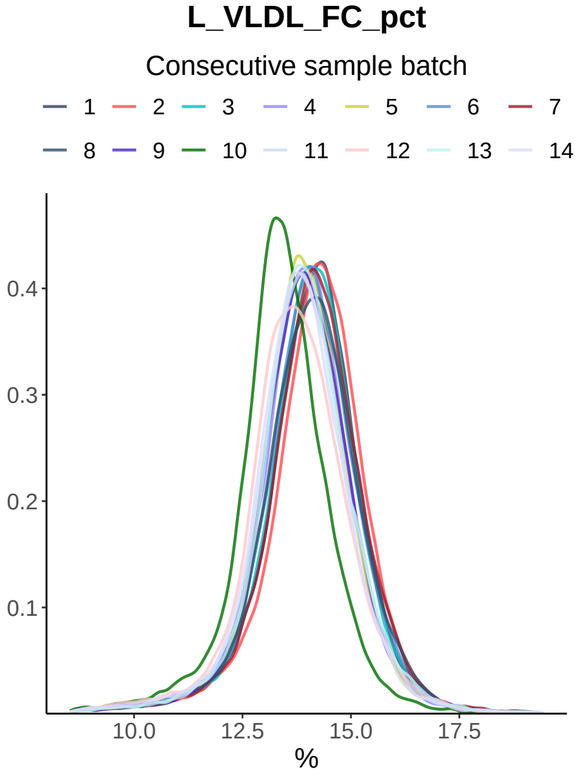
L_VLDL_C_pct



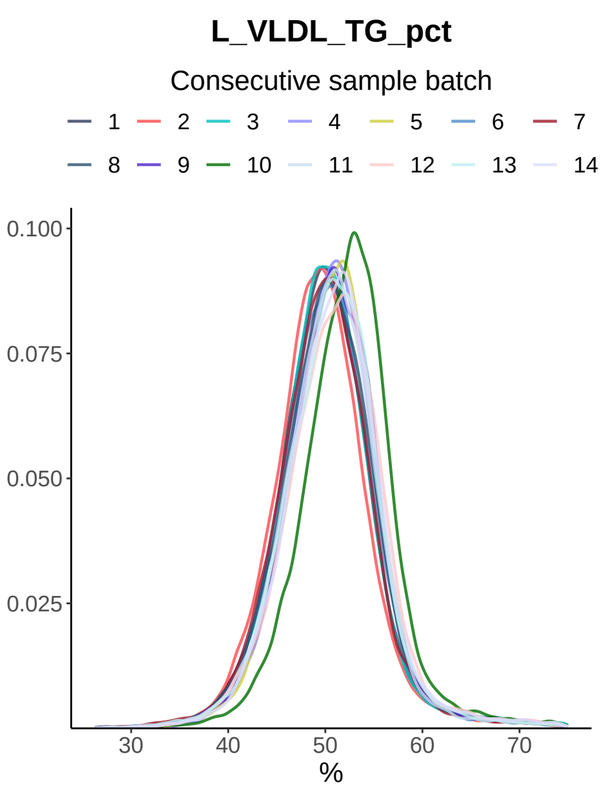
L_VLDL_CE_pct



L_VLDL_FC_pct

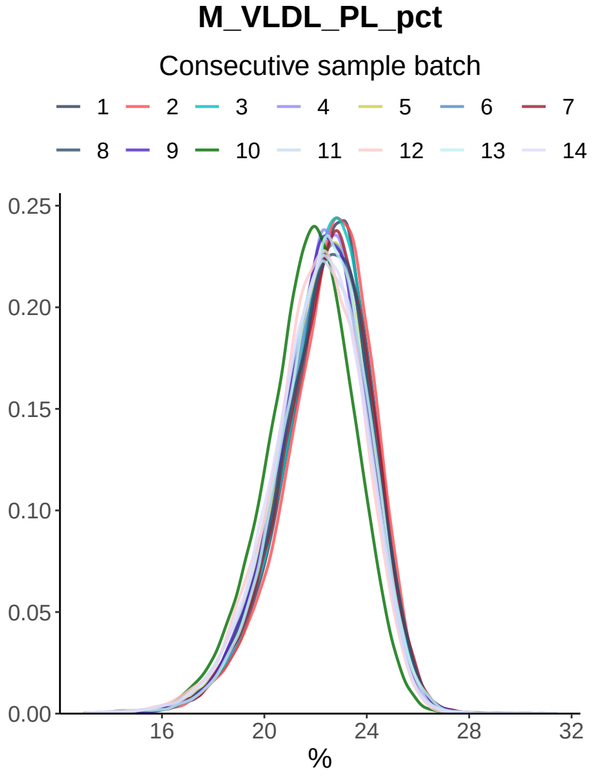


L_VLDL_TG_pct

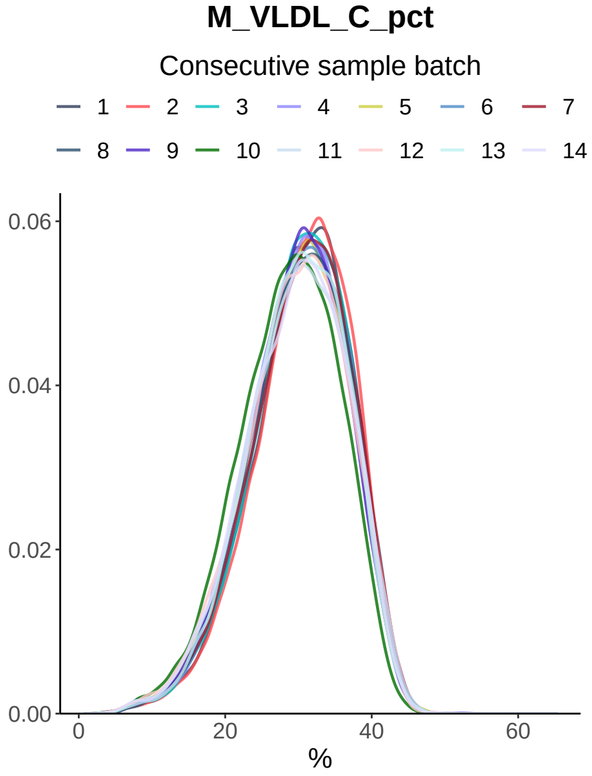


Medium VLDL ratios

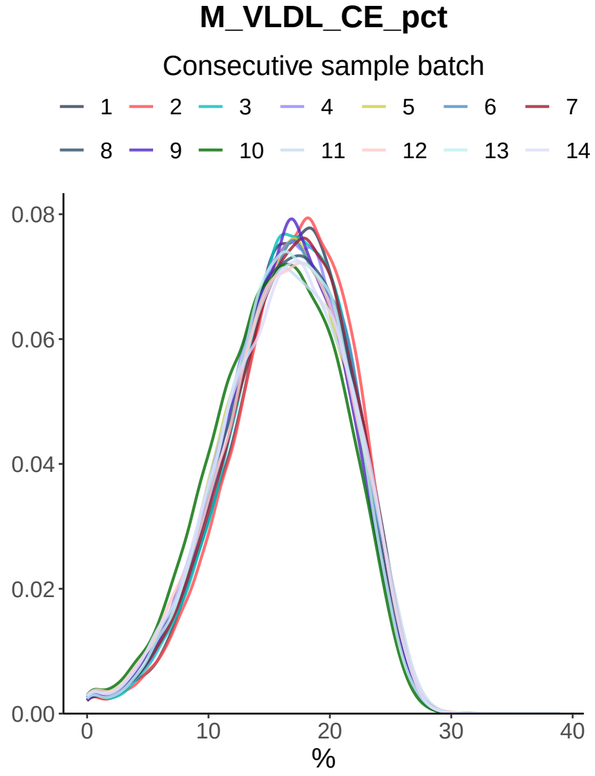
M_VLDL_PL_pct



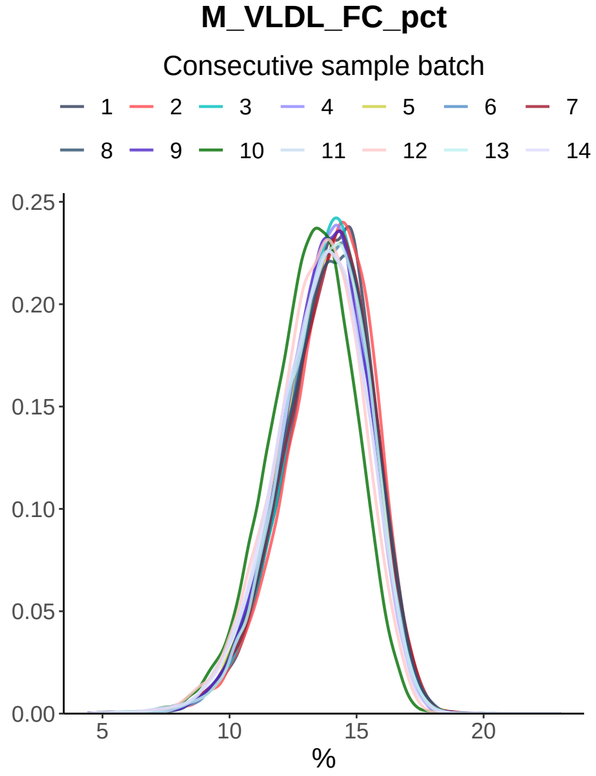
M_VLDL_C_pct



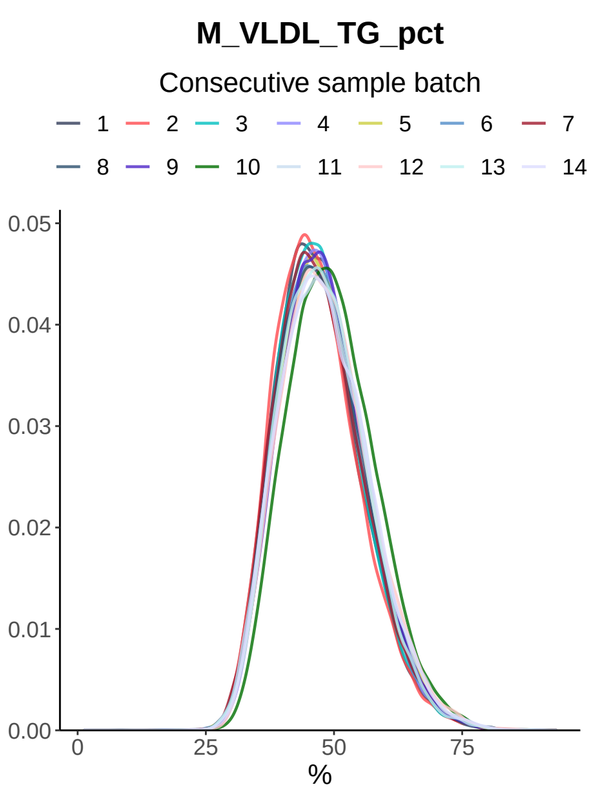
M_VLDL_CE_pct



M_VLDL_FC_pct

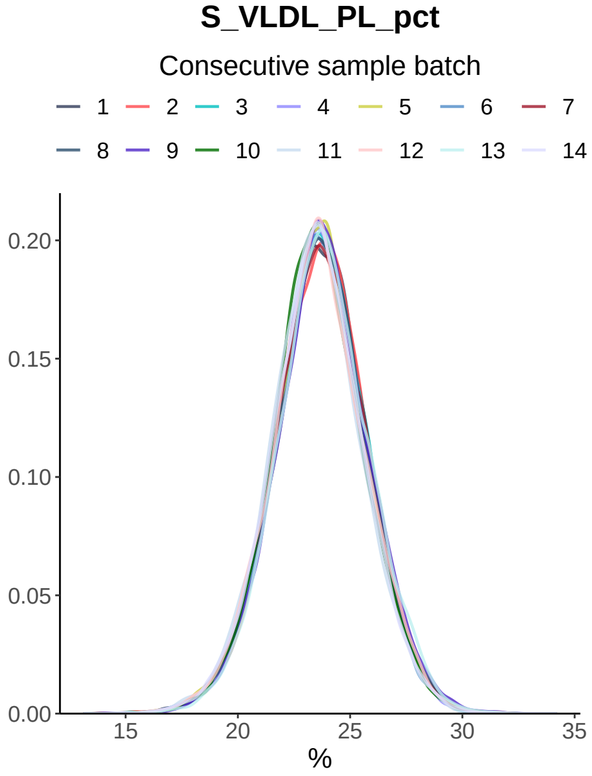


M_VLDL_TG_pct

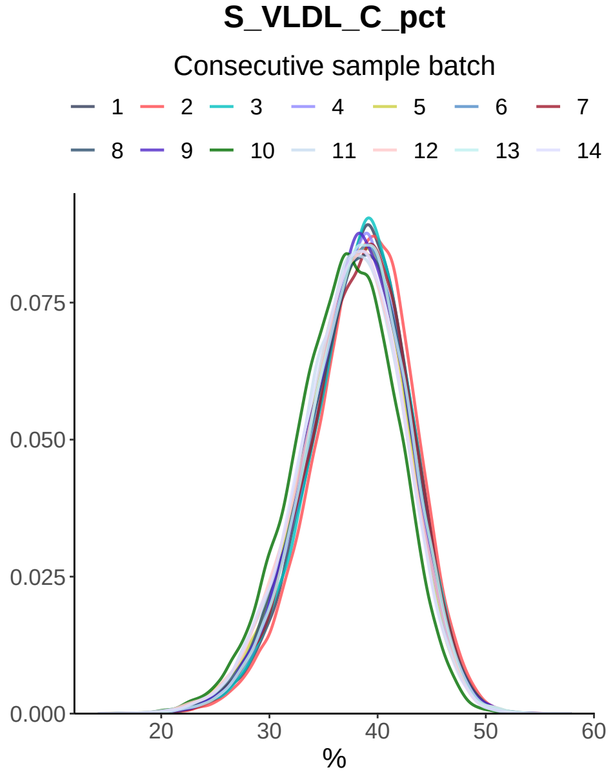


Small VLDL ratios

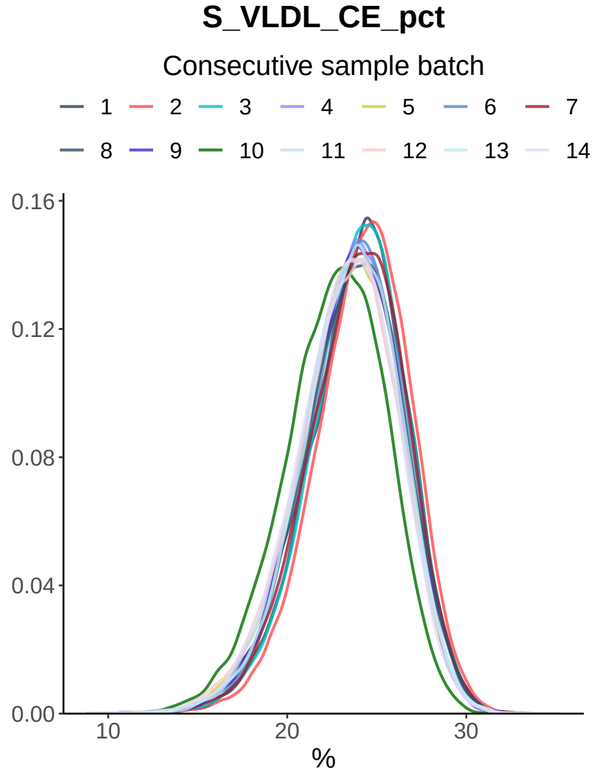
S_VLDL_PL_pct



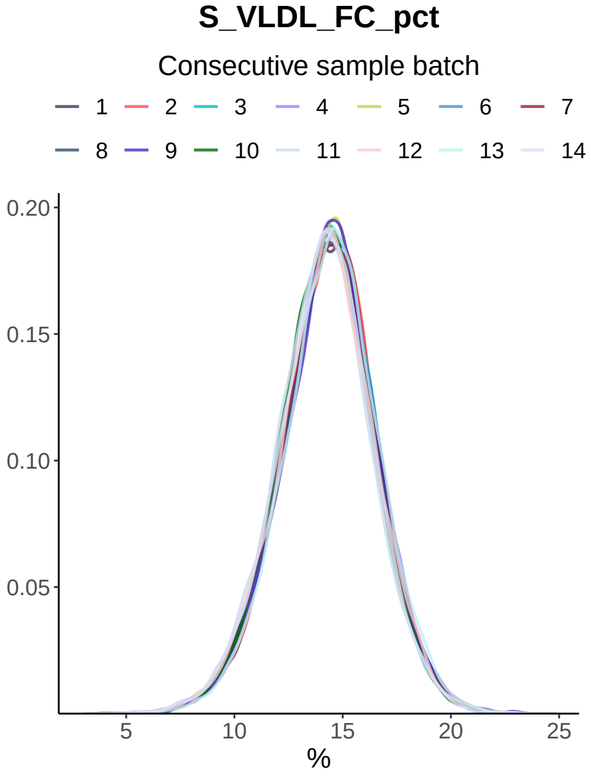
S_VLDL_C_pct



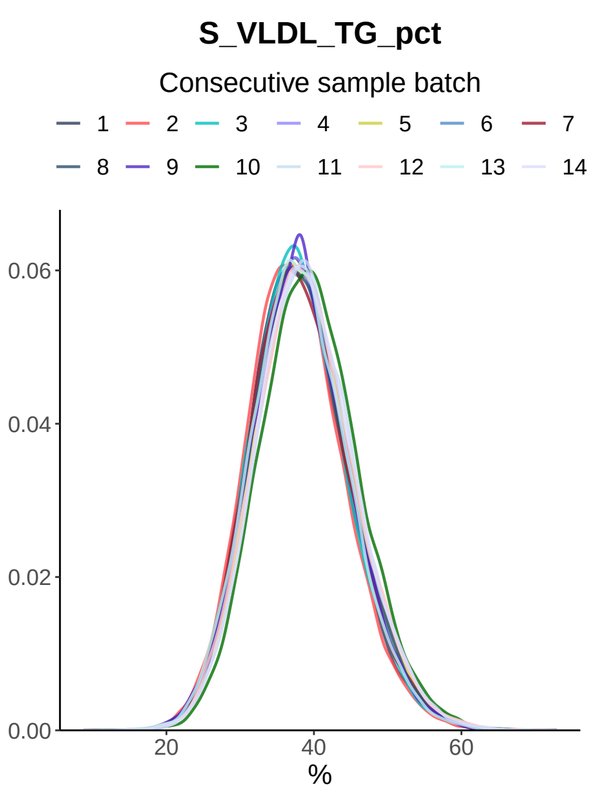
S_VLDL_CE_pct



S_VLDL_FC_pct

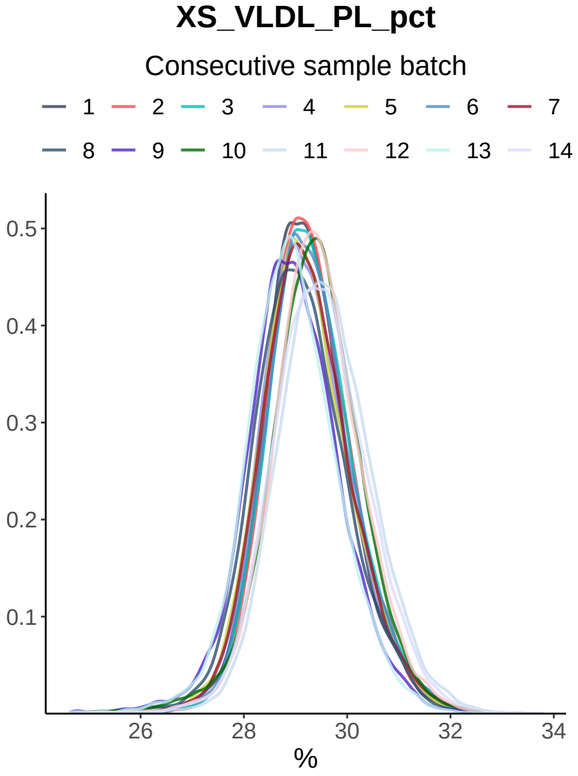


S_VLDL_TG_pct

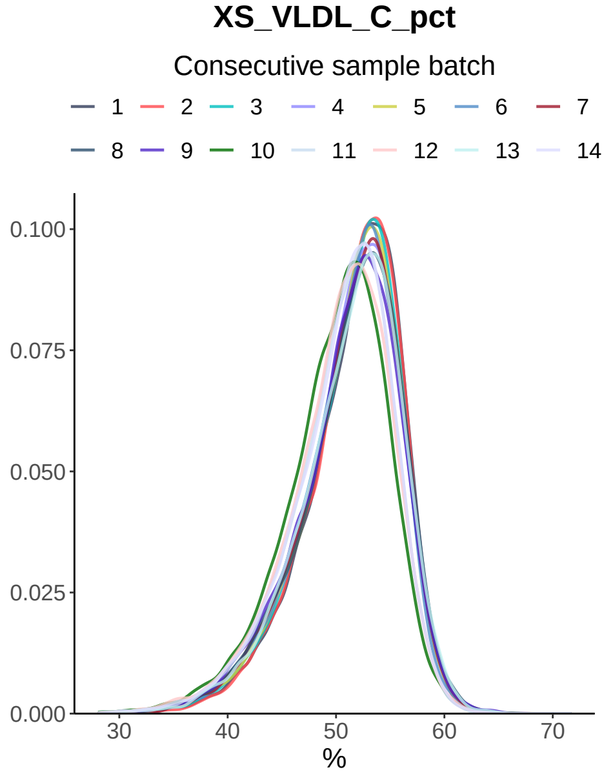


Very small VLDL ratios

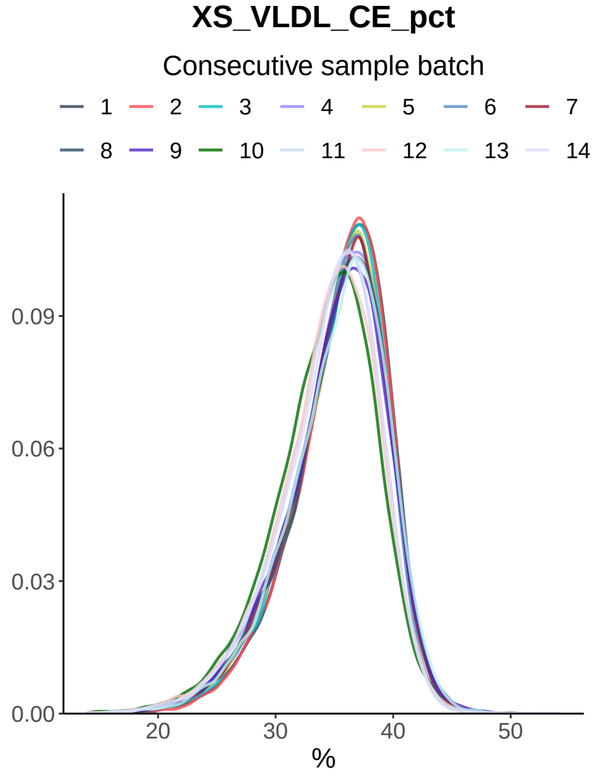
XS_VLDL_PL_pct



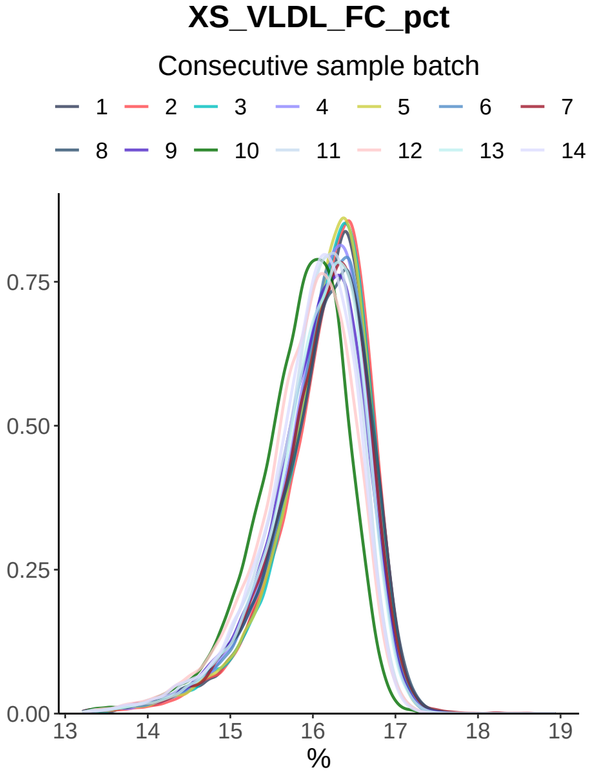
XS_VLDL_C_pct



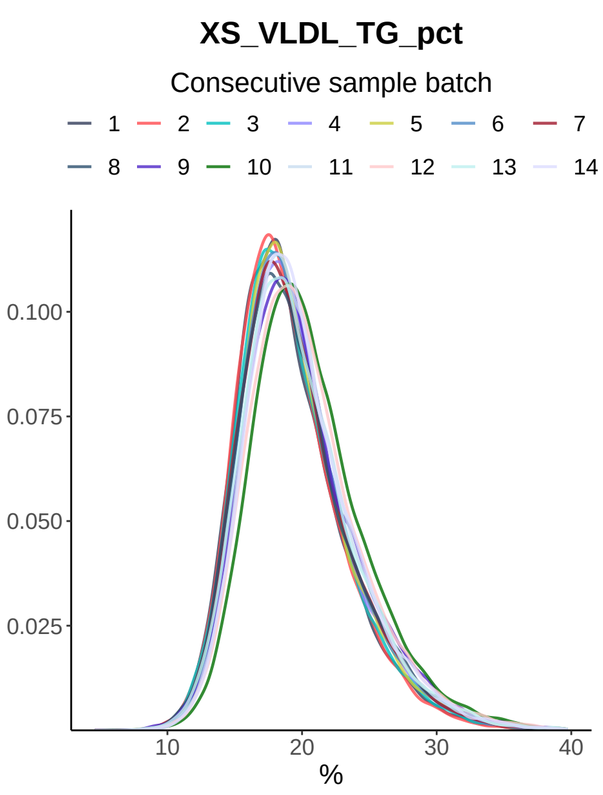
XS_VLDL_CE_pct



XS_VLDL_FC_pct

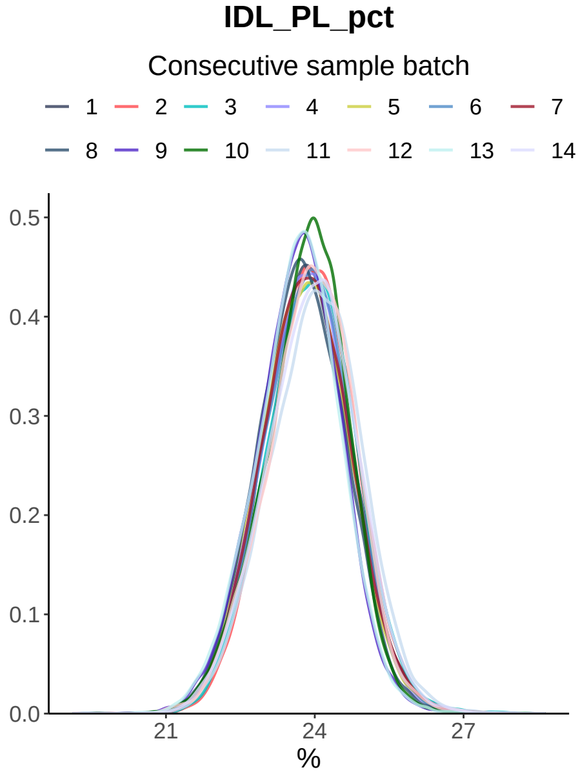


XS_VLDL_TG_pct

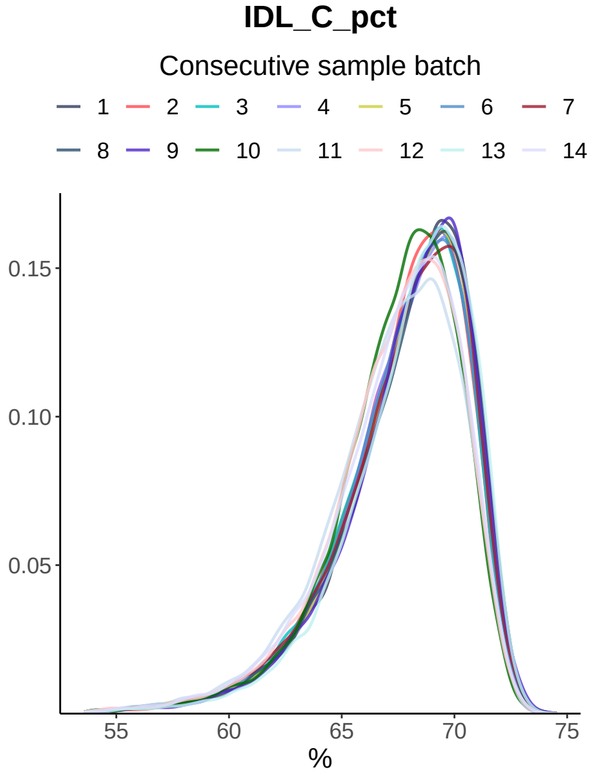


IDL ratios

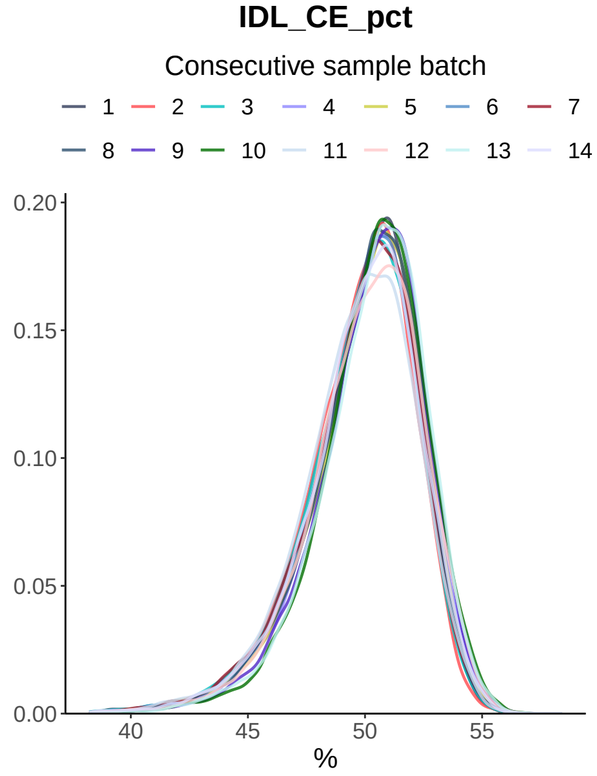
IDL_PL_pct



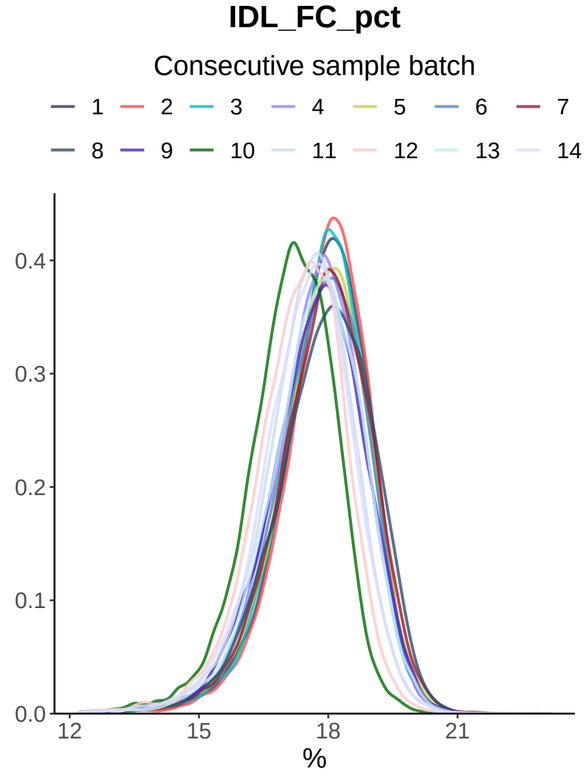
IDL_C_pct



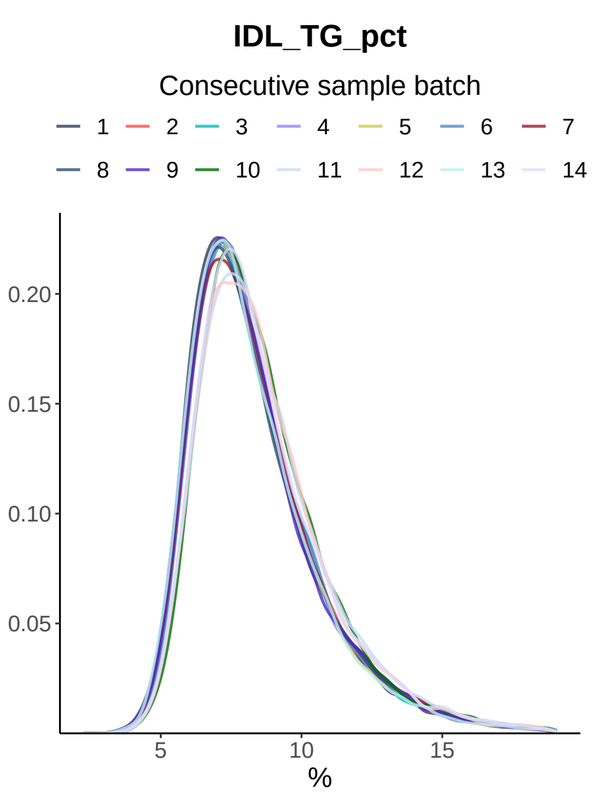
IDL_CE_pct



IDL_FC_pct

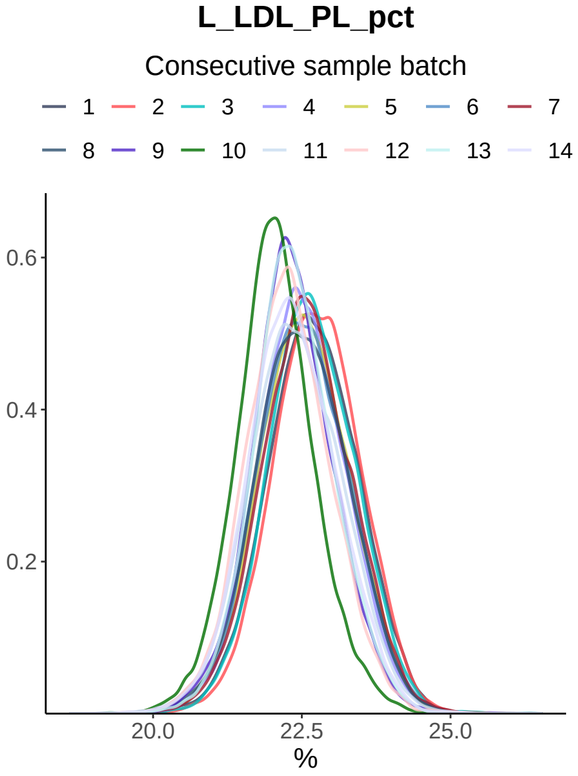


IDL_TG_pct

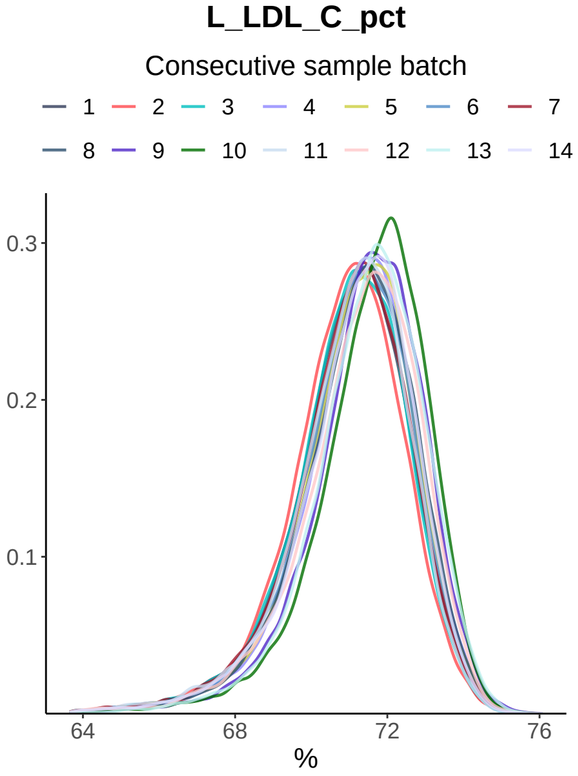


Large LDL ratios

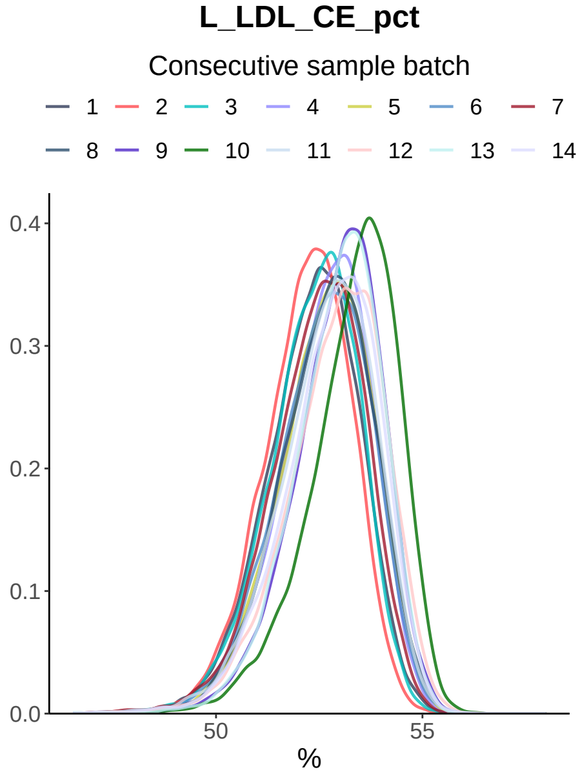
L_LDL_PL_pct



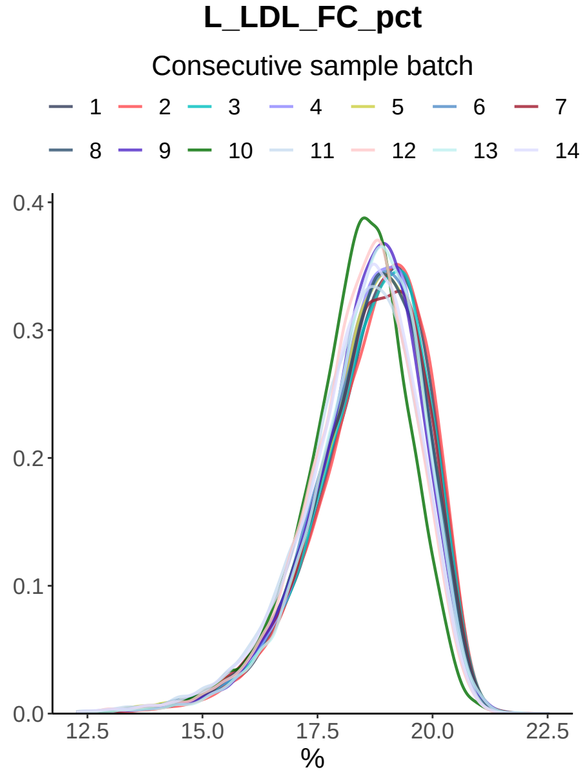
L_LDL_C_pct



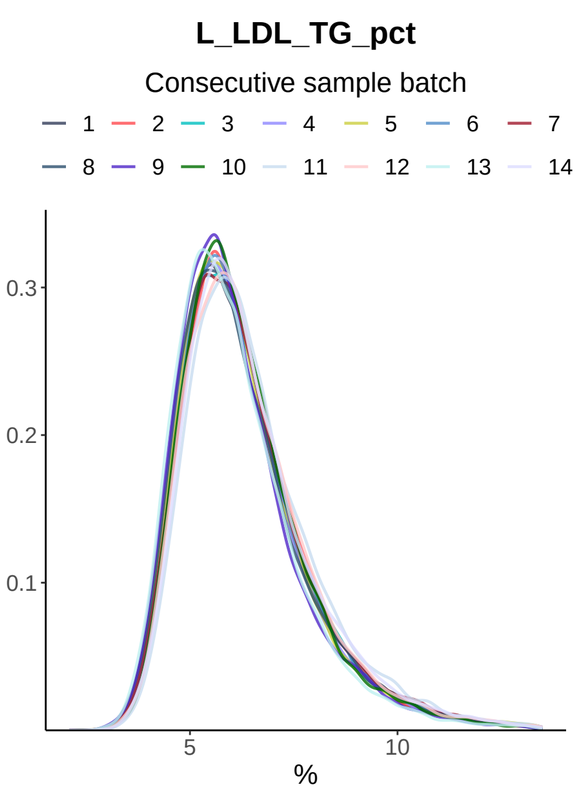
L_LDL_CE_pct



L_LDL_FC_pct

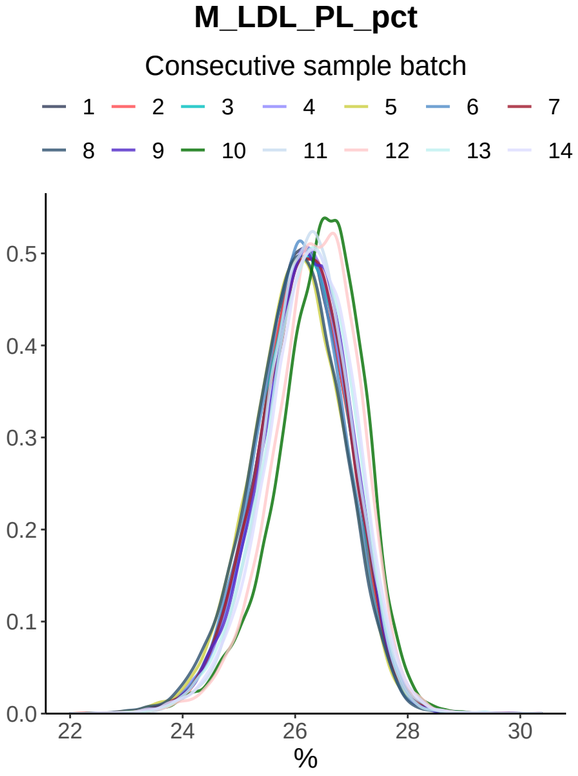


L_LDL_TG_pct

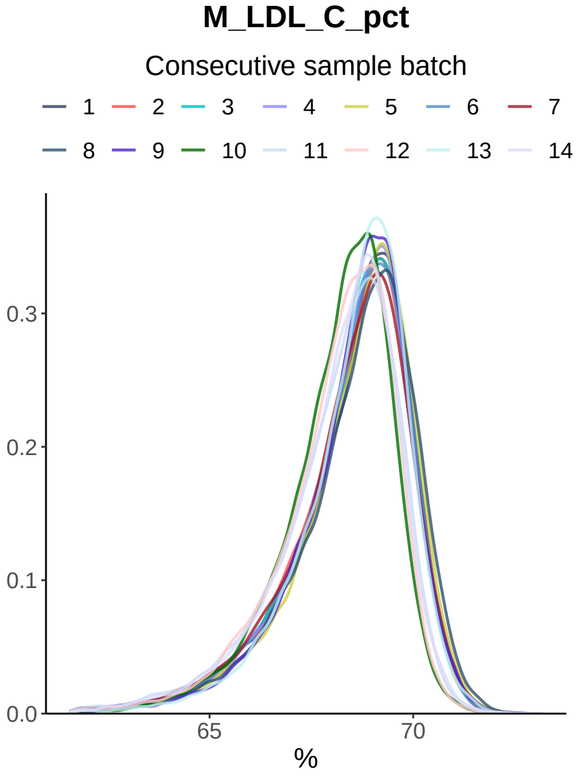


Medium LDL ratios

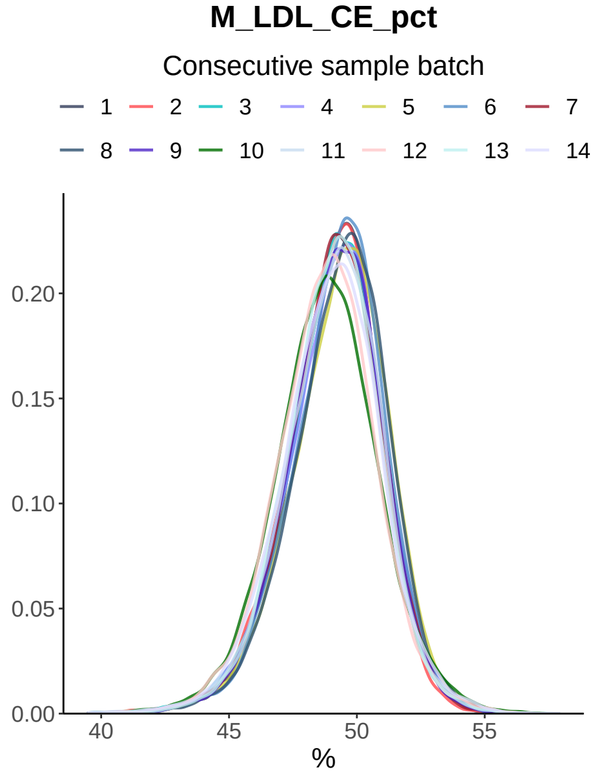
M_LDL_PL_pct



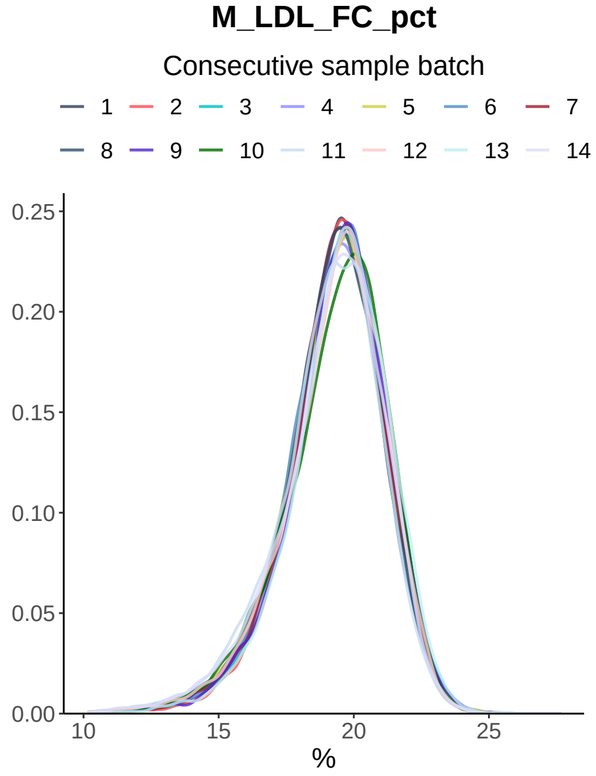
M_LDL_C_pct



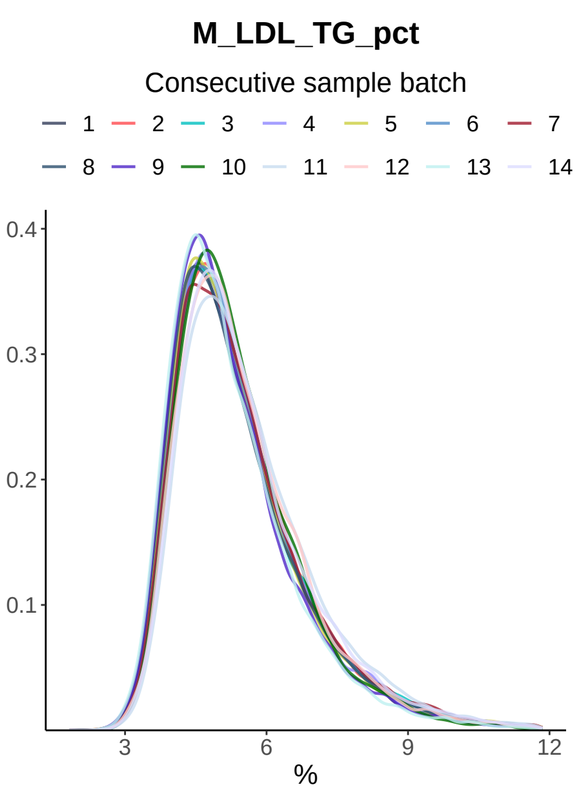
M_LDL_CE_pct



M_LDL_FC_pct



M_LDL_TG_pct

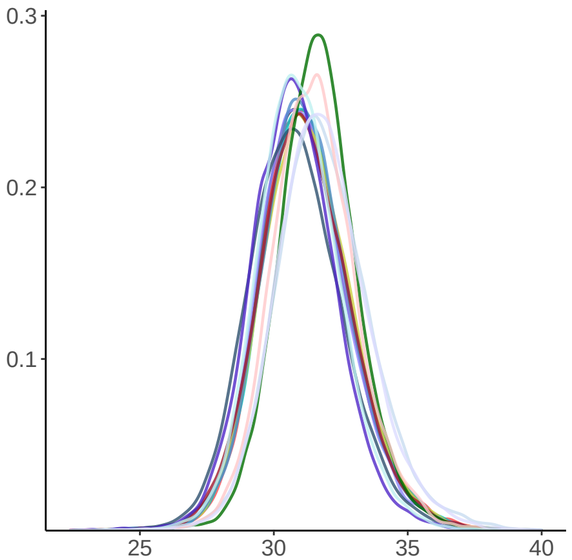


Small LDL ratios

S_LDL_PL_pct

Consecutive sample batch

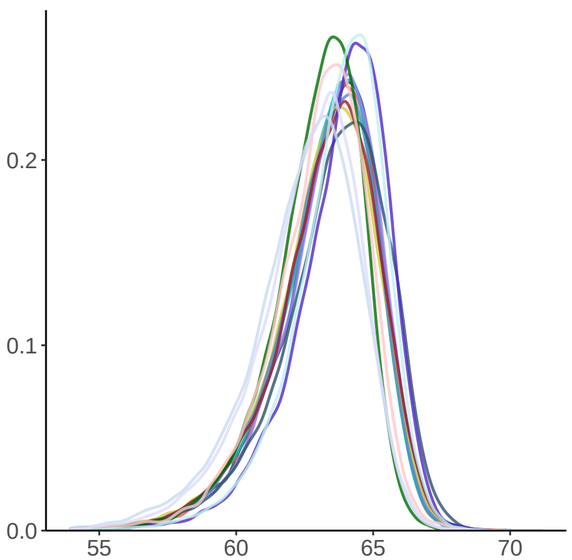
1 2 3 4 5 6 7
8 9 10 11 12 13 14



S_LDL_C_pct

Consecutive sample batch

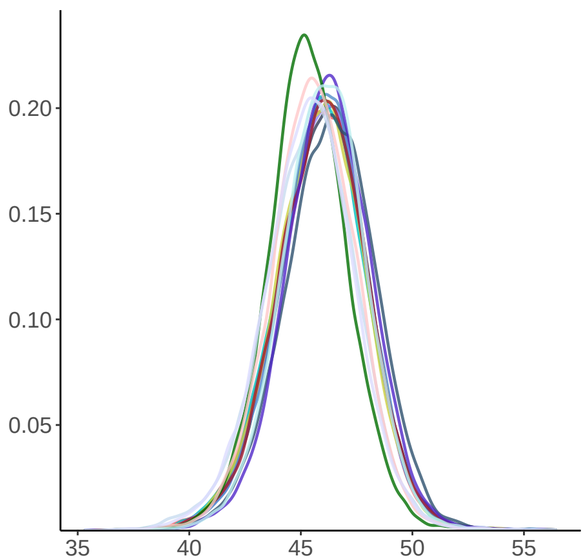
1 2 3 4 5 6 7
8 9 10 11 12 13 14



S_LDL_CE_pct

Consecutive sample batch

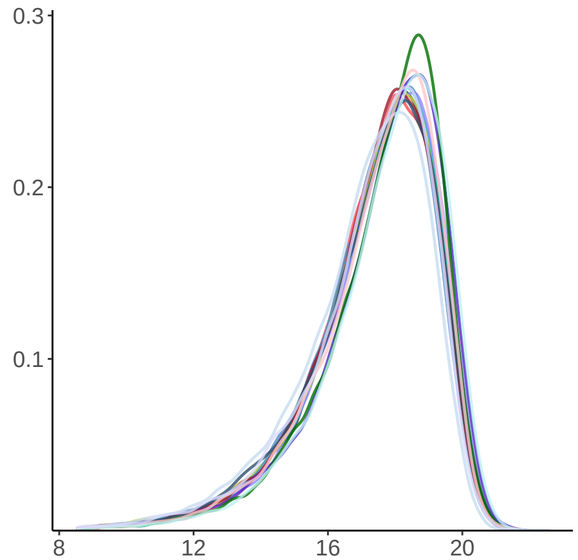
1 2 3 4 5 6 7
8 9 10 11 12 13 14



S_LDL_FC_pct

Consecutive sample batch

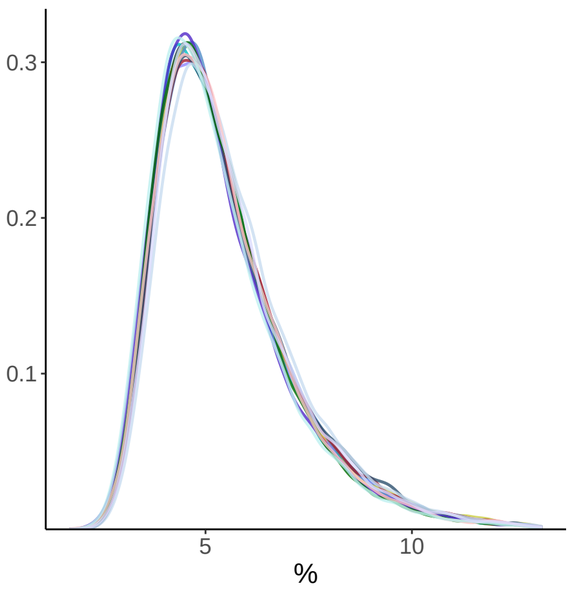
1 2 3 4 5 6 7
8 9 10 11 12 13 14



S_LDL_TG_pct

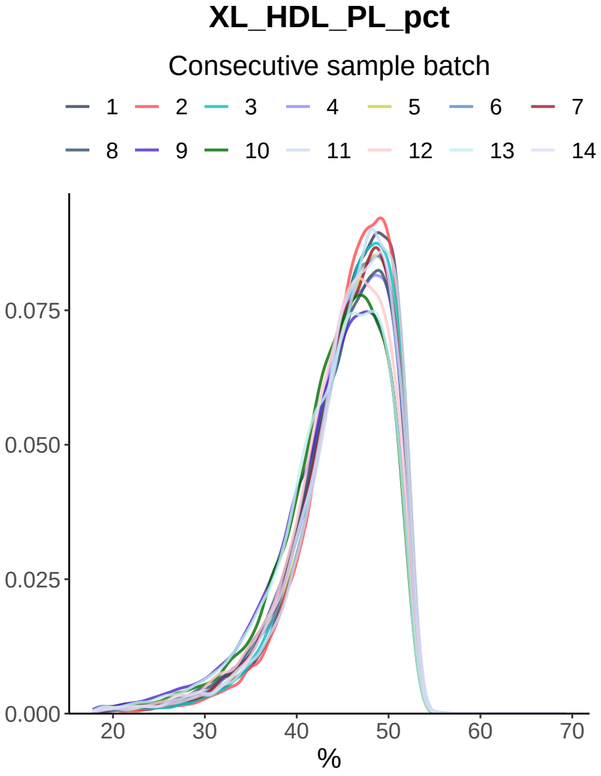
Consecutive sample batch

1 2 3 4 5 6 7
8 9 10 11 12 13 14

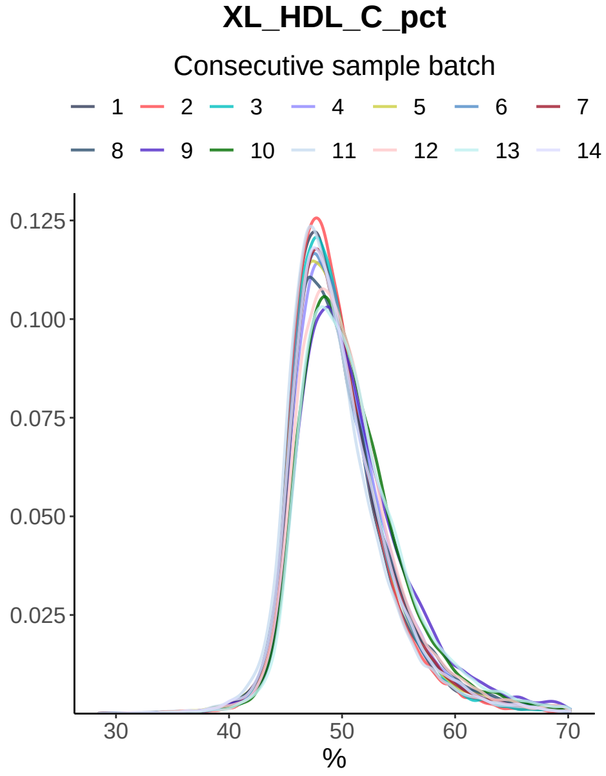


Very large HDL ratios

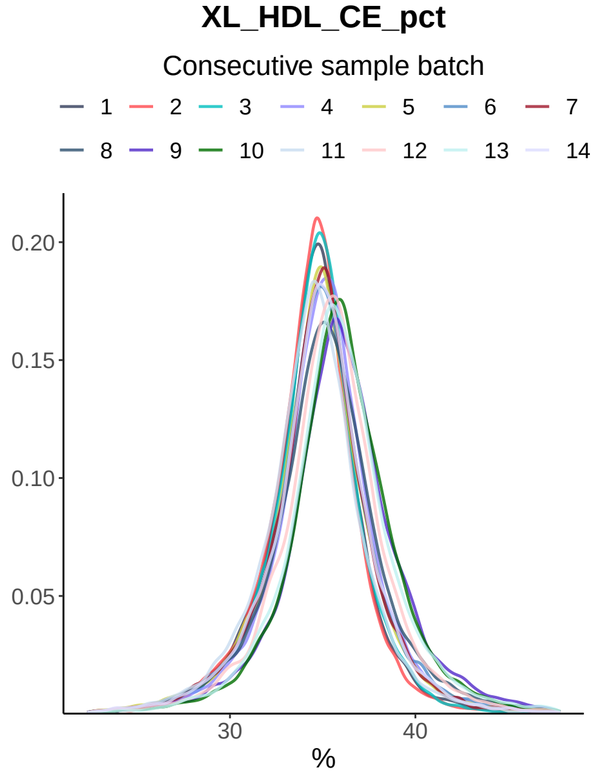
XL_HDL_PL_pct



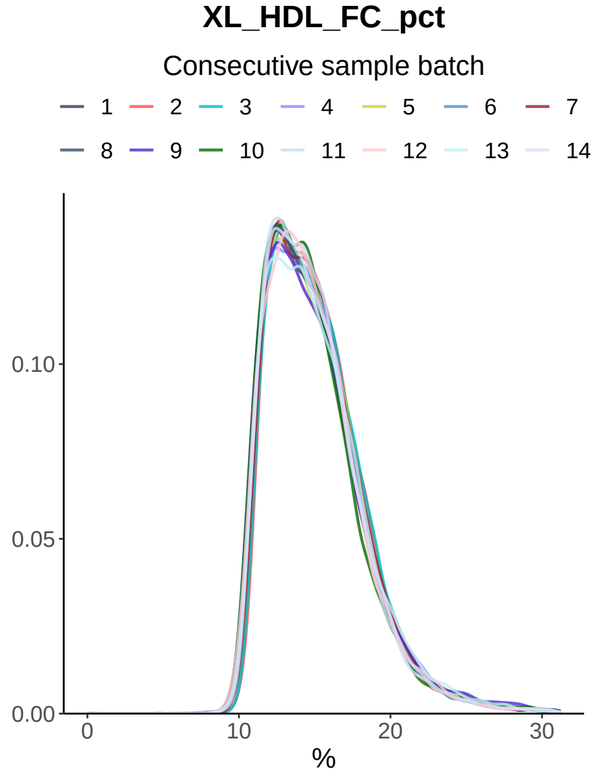
XL_HDL_C_pct



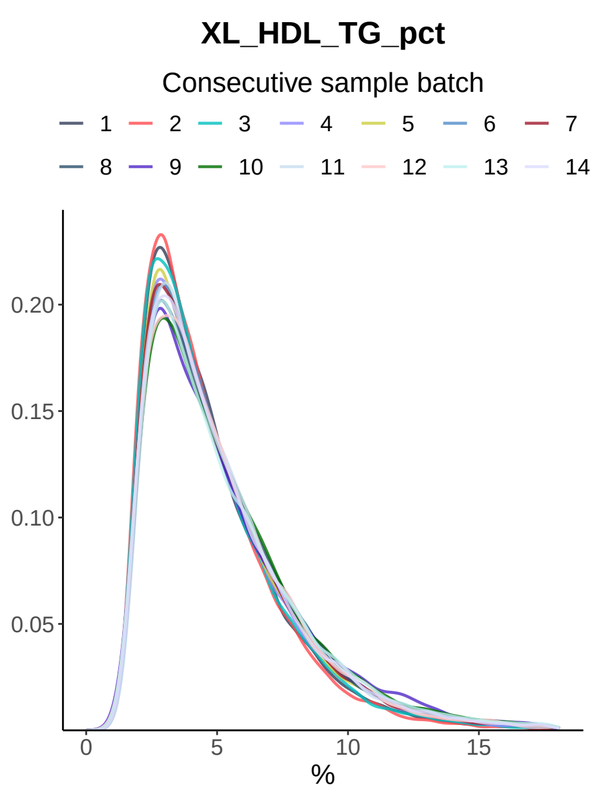
XL_HDL_CE_pct



XL_HDL_FC_pct

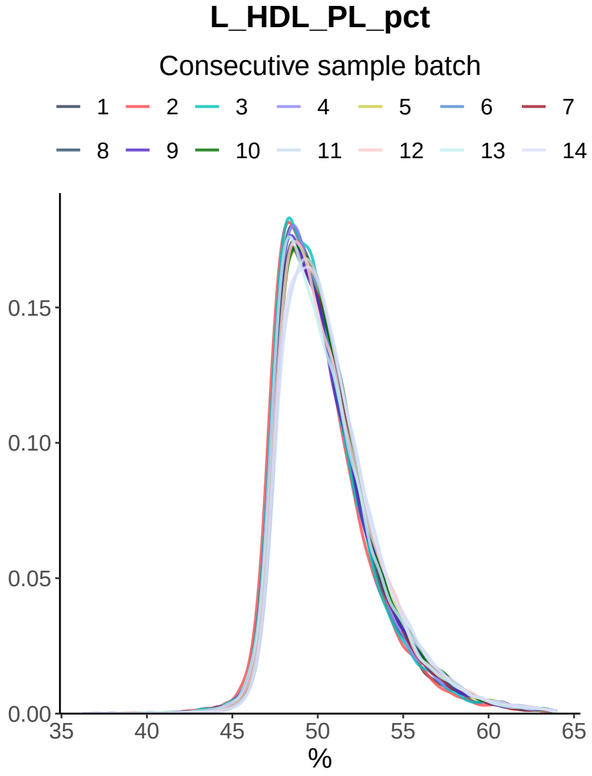


XL_HDL_TG_pct

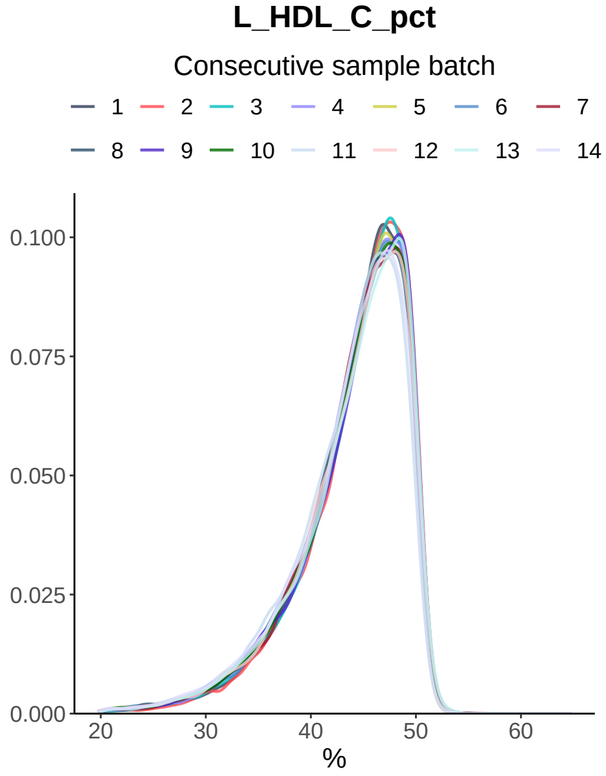


Large HDL ratios

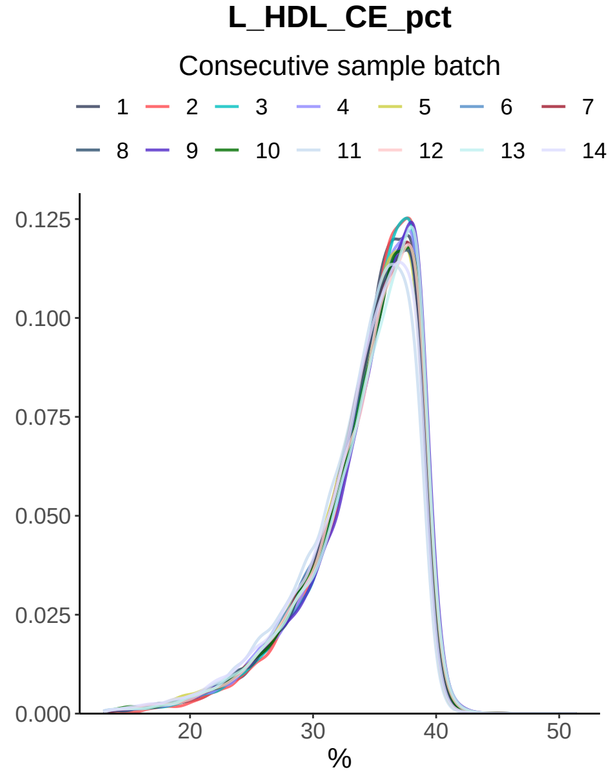
L_HDL_PL_pct



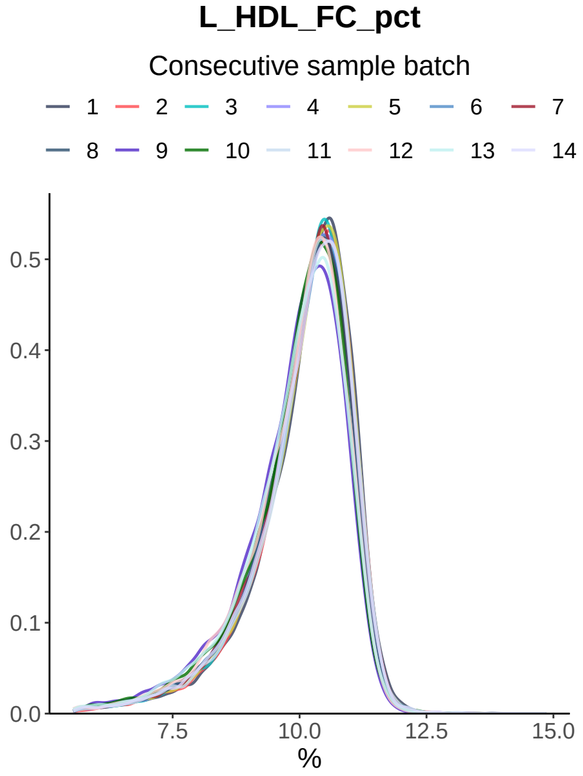
L_HDL_C_pct



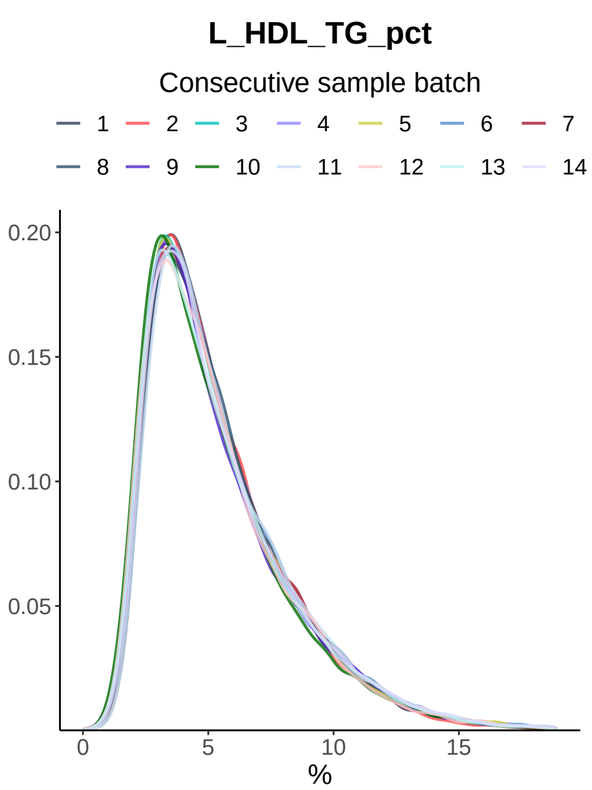
L_HDL_CE_pct



L_HDL_FC_pct

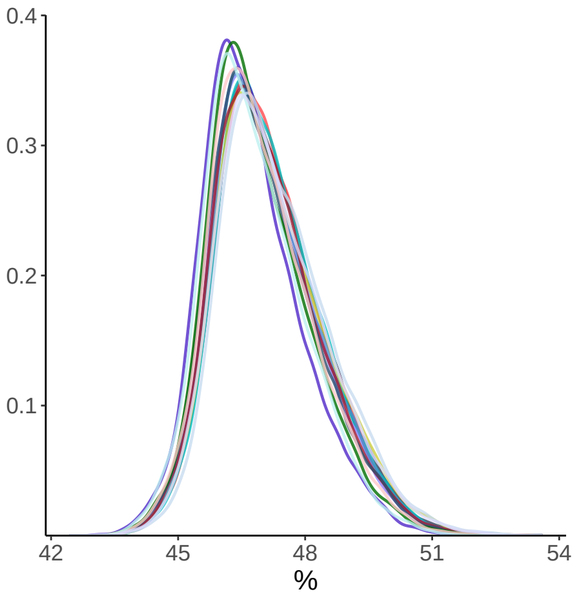


L_HDL_TG_pct

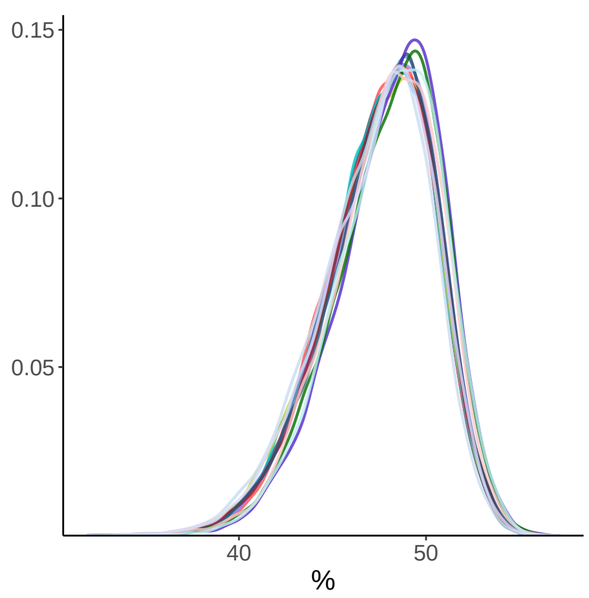


Medium HDL ratios

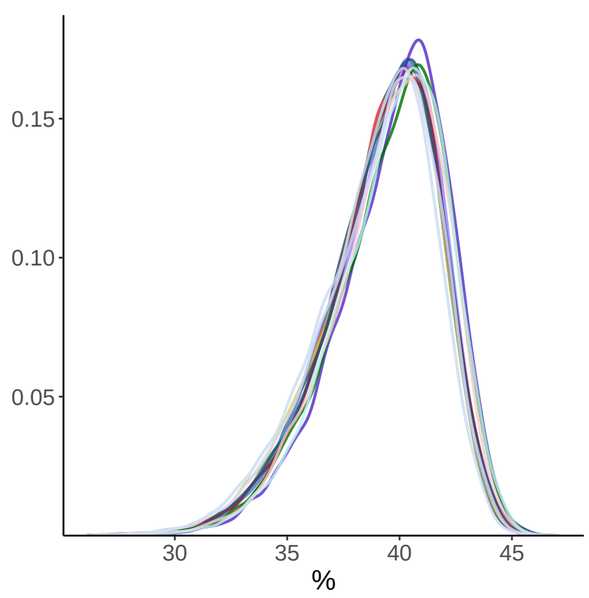
M_HDL_PL_pct



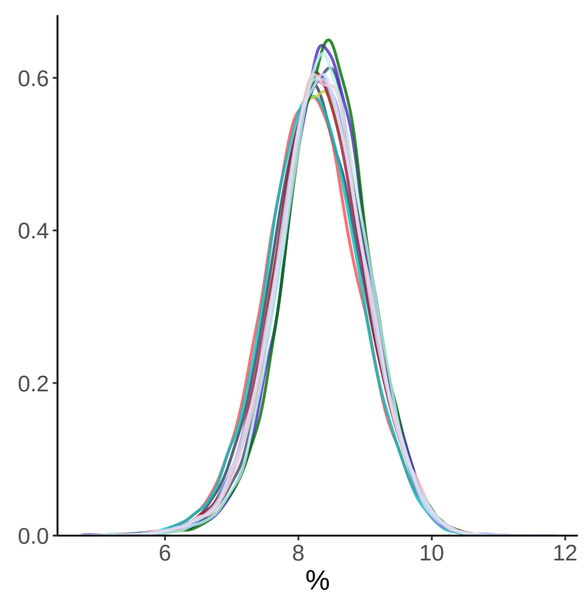
M_HDL_C_pct



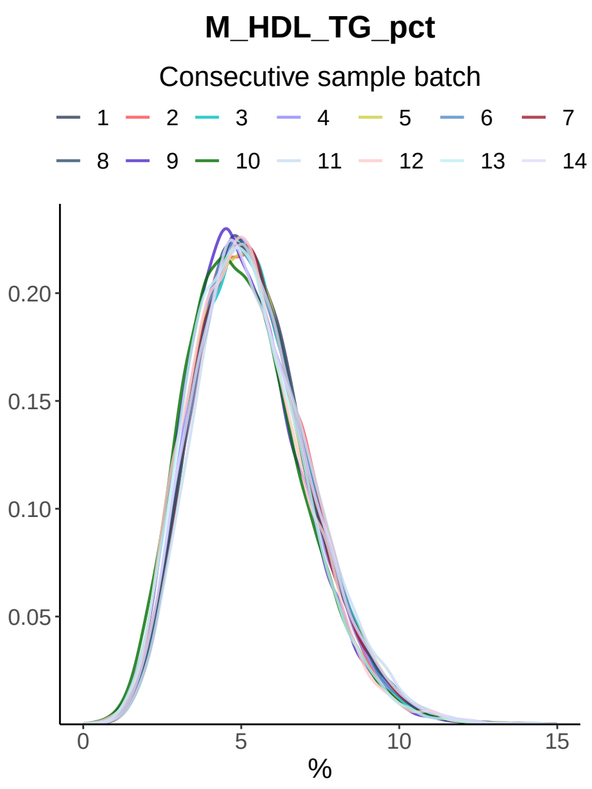
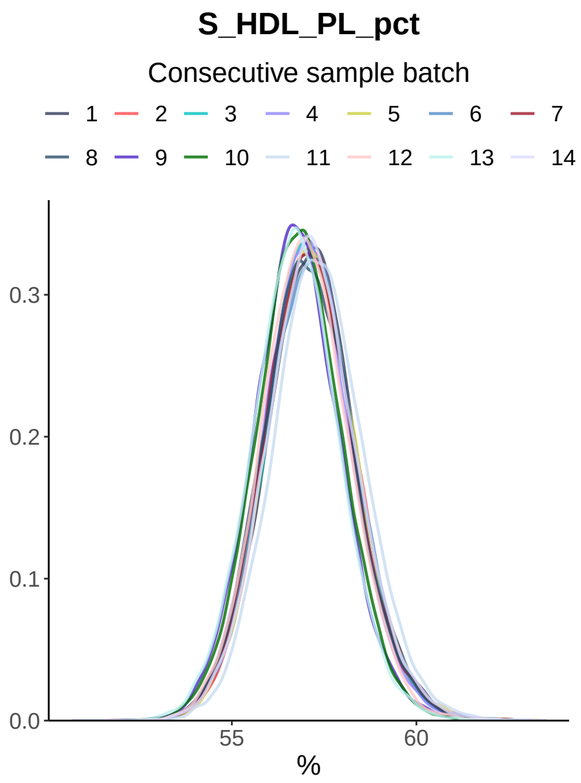
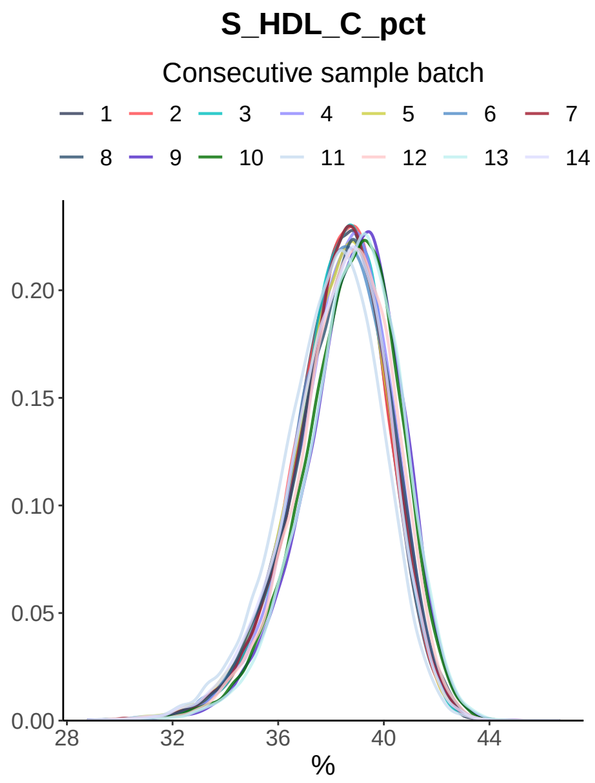
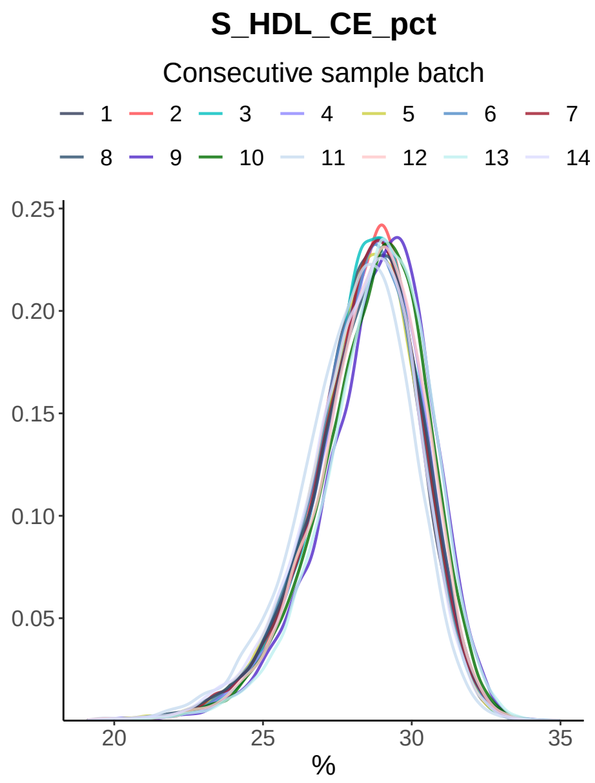
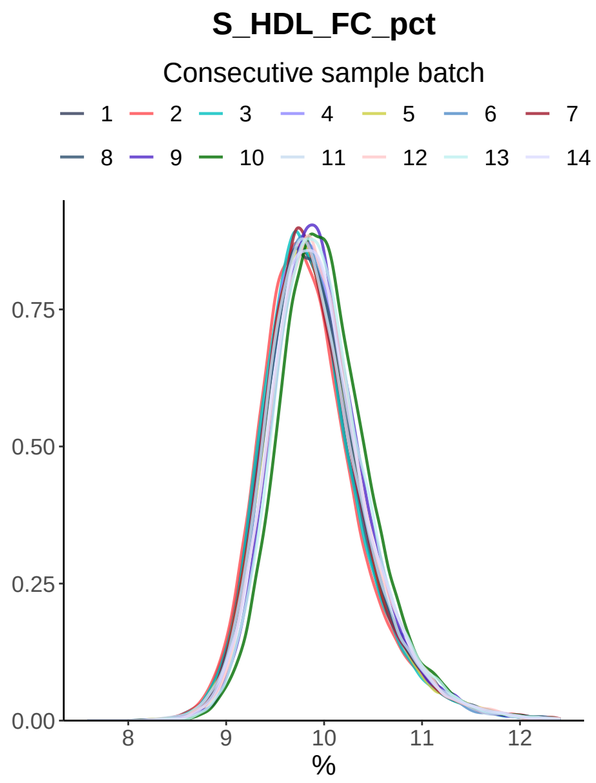
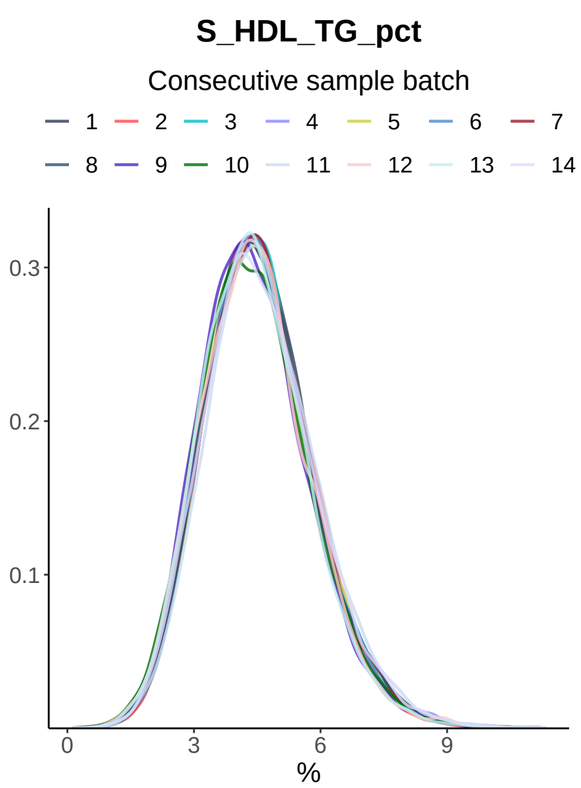
M_HDL_CE_pct



M_HDL_FC_pct



M_HDL_TG_pct



Small HDL ratios