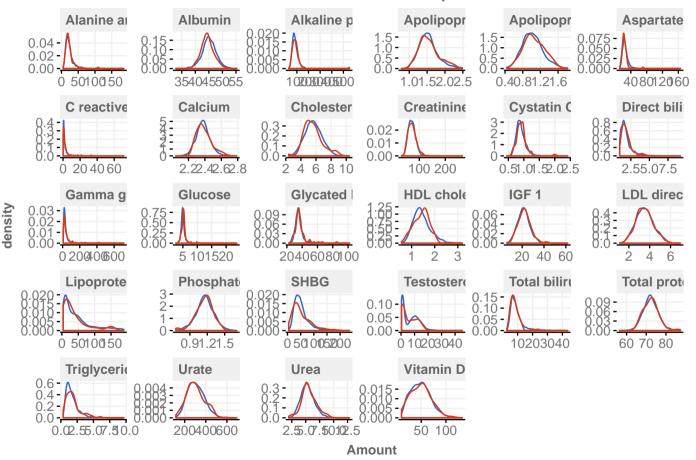Biomarker distribution for imputed data