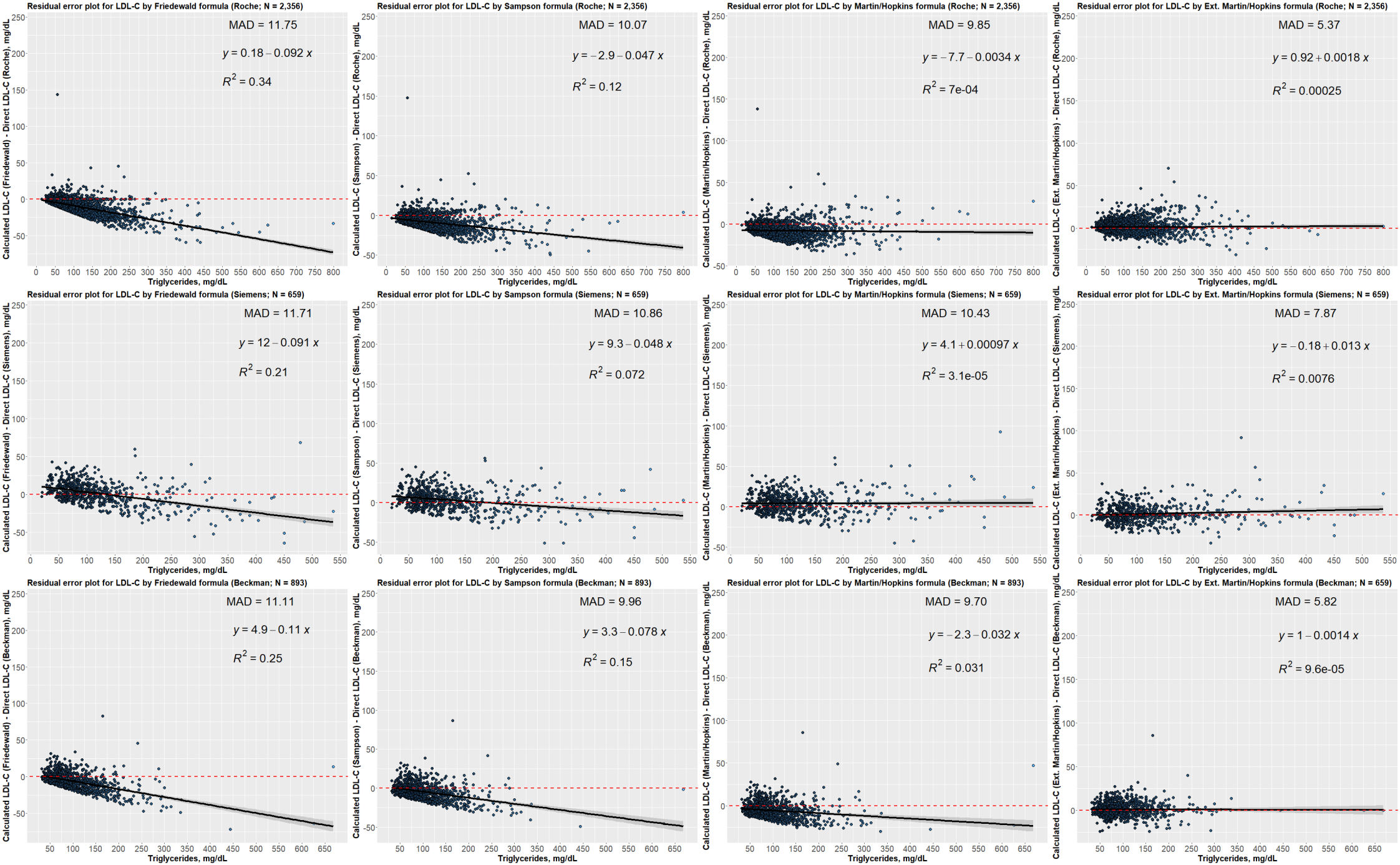
Residual error plot for LDL-C by Friedewald formula (Roche; N = 2,356)
MAD = 11.75
y = 0.18 − 0.092 x
R2 = 0.34
Calculated LDL-C (Friedewald) - Direct LDL-C (Roche), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Sampson formula (Roche; N = 2,356)
MAD = 10.07
y = −2.9 − 0.047 x
R2 = 0.12
Calculated LDL-C (Sampson) - Direct LDL-C (Roche), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Martin/Hopkins formula (Roche; N = 2,356)
MAD = 9.85
y = −7.7 − 0.0034 x
R2 = 7e-04
Calculated LDL-C (Martin/Hopkins) - Direct LDL-C (Roche), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Ext. Martin/Hopkins formula (Roche; N = 2,356)
MAD = 5.37
y = 0.92 + 0.0018 x
R2 = 0.00025
Calculated LDL-C (Ext. Martin/Hopkins) - Direct LDL-C (Roche), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Friedewald formula (Siemens; N = 659)
MAD = 11.71
y = 12 − 0.091 x
R2 = 0.21
Calculated LDL-C (Friedewald) - Direct LDL-C (Siemens), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Sampson formula (Siemens; N = 659)
MAD = 10.86
y = 9.3 − 0.048 x
R2 = 0.072
Calculated LDL-C (Sampson) - Direct LDL-C (Siemens), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Martin/Hopkins formula (Siemens; N = 659)
MAD = 10.43
y = 4.1 + 0.00097 x
R2 = 3.1e-05
Calculated LDL-C (Martin/Hopkins) - Direct LDL-C (Siemens), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Ext. Martin/Hopkins formula (Siemens; N = 659)
MAD = 7.87
y = −0.18 + 0.013 x
R2 = 0.0076
Calculated LDL-C (Ext. Martin/Hopkins) - Direct LDL-C (Siemens), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Friedewald formula (Beckman; N = 893)
MAD = 11.11
y = 4.9 − 0.11 x
R2 = 0.25
Calculated LDL-C (Friedewald) - Direct LDL-C (Beckman), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Sampson formula (Beckman; N = 893)
MAD = 9.96
y = 3.3 − 0.078 x
R2 = 0.15
Calculated LDL-C (Sampson) - Direct LDL-C (Beckman), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Martin/Hopkins formula (Beckman; N = 893)
MAD = 9.70
y = −2.3 − 0.032 x
R2 = 0.031
Calculated LDL-C (Martin/Hopkins) - Direct LDL-C (Beckman), mg/dL
Triglycerides, mg/dL
Residual error plot for LDL-C by Ext. Martin/Hopkins formula (Beckman; N = 659)
MAD = 5.82
y = 1 − 0.0014 x
R2 = 9.6e-05
Calculated LDL-C (Ext. Martin/Hopkins) - Direct LDL-C (Beckman), mg/dL
Triglycerides, mg/dL