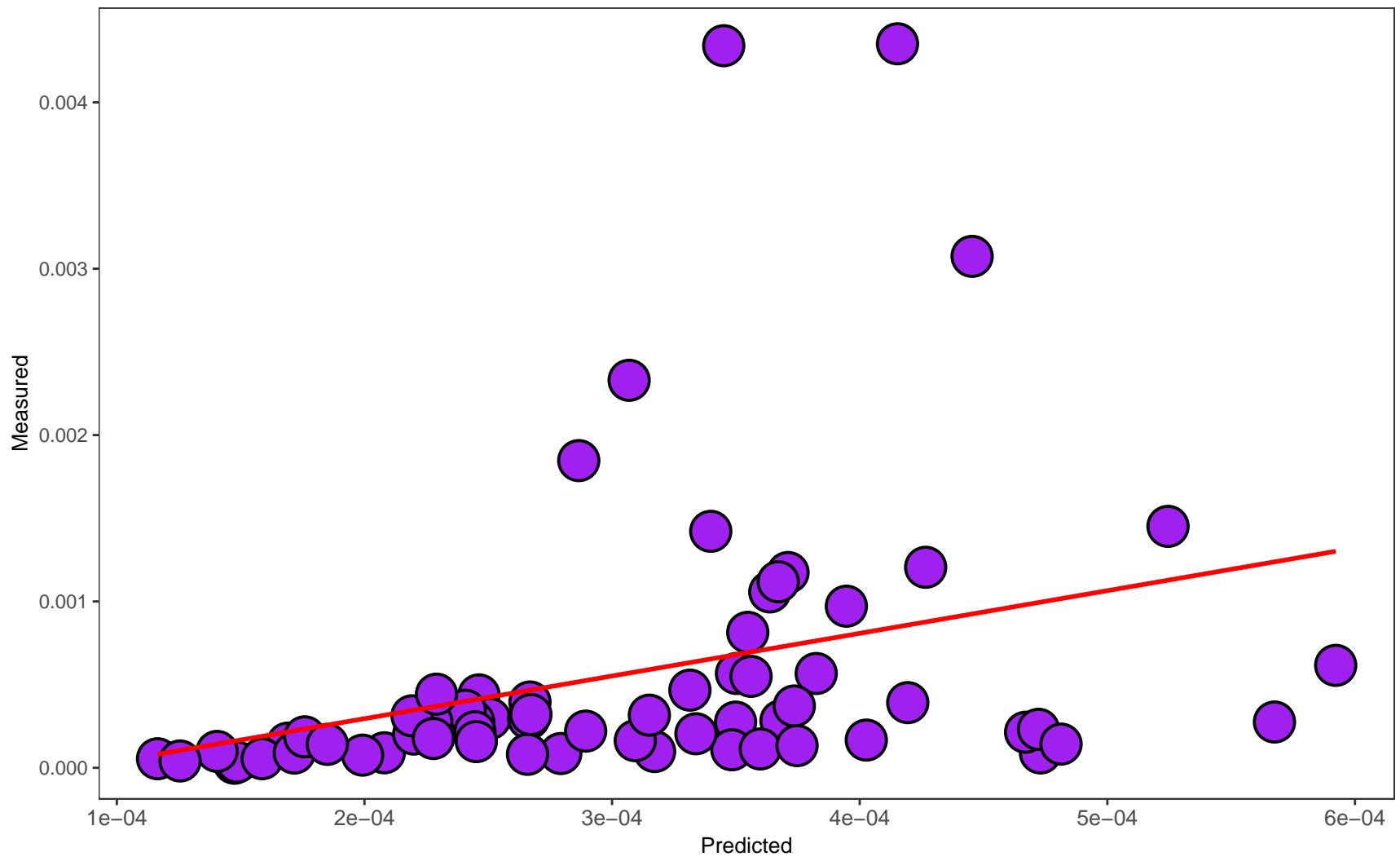
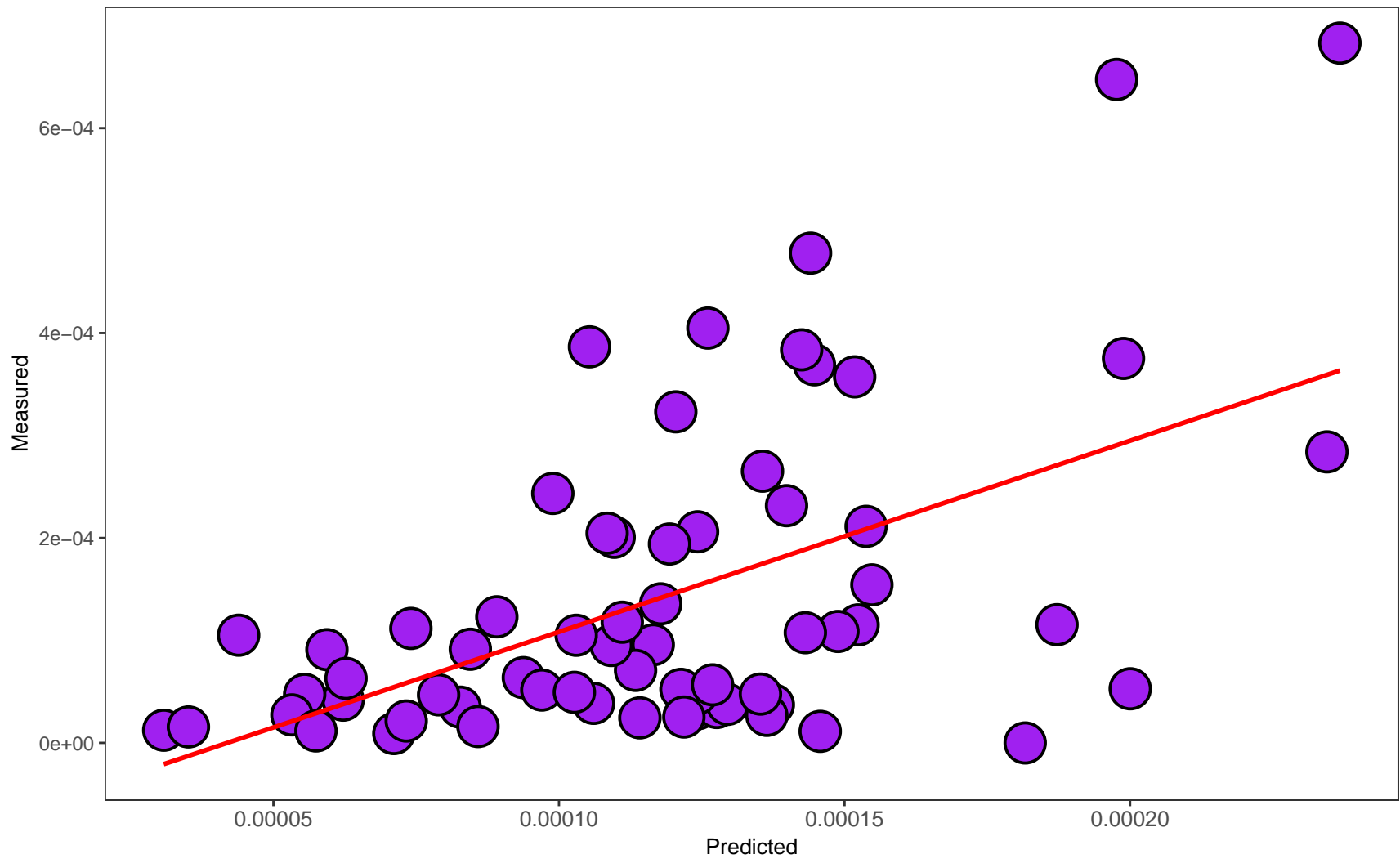


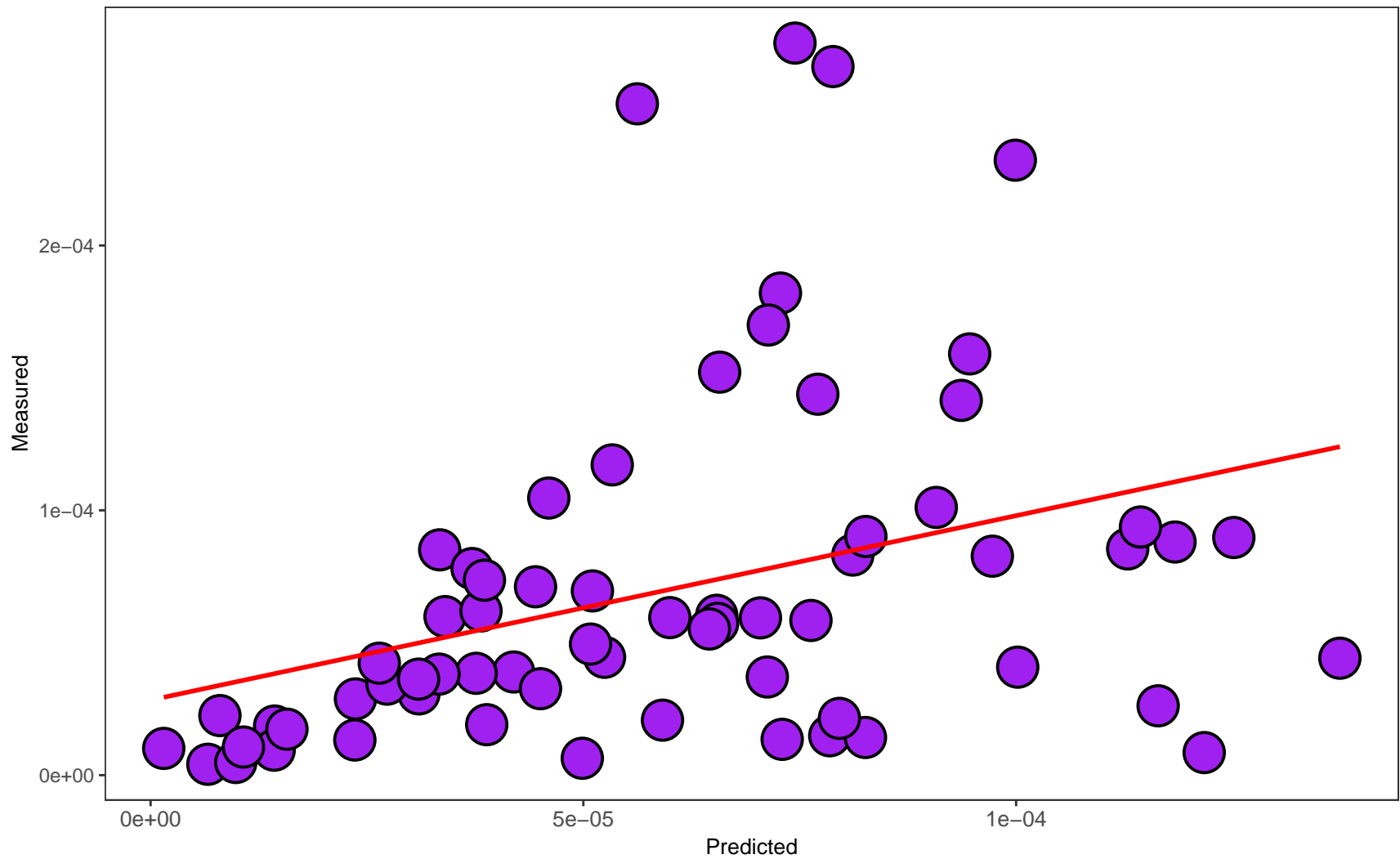
azelate (C18-neg\_Cluster\_0045): Spearman 0.51



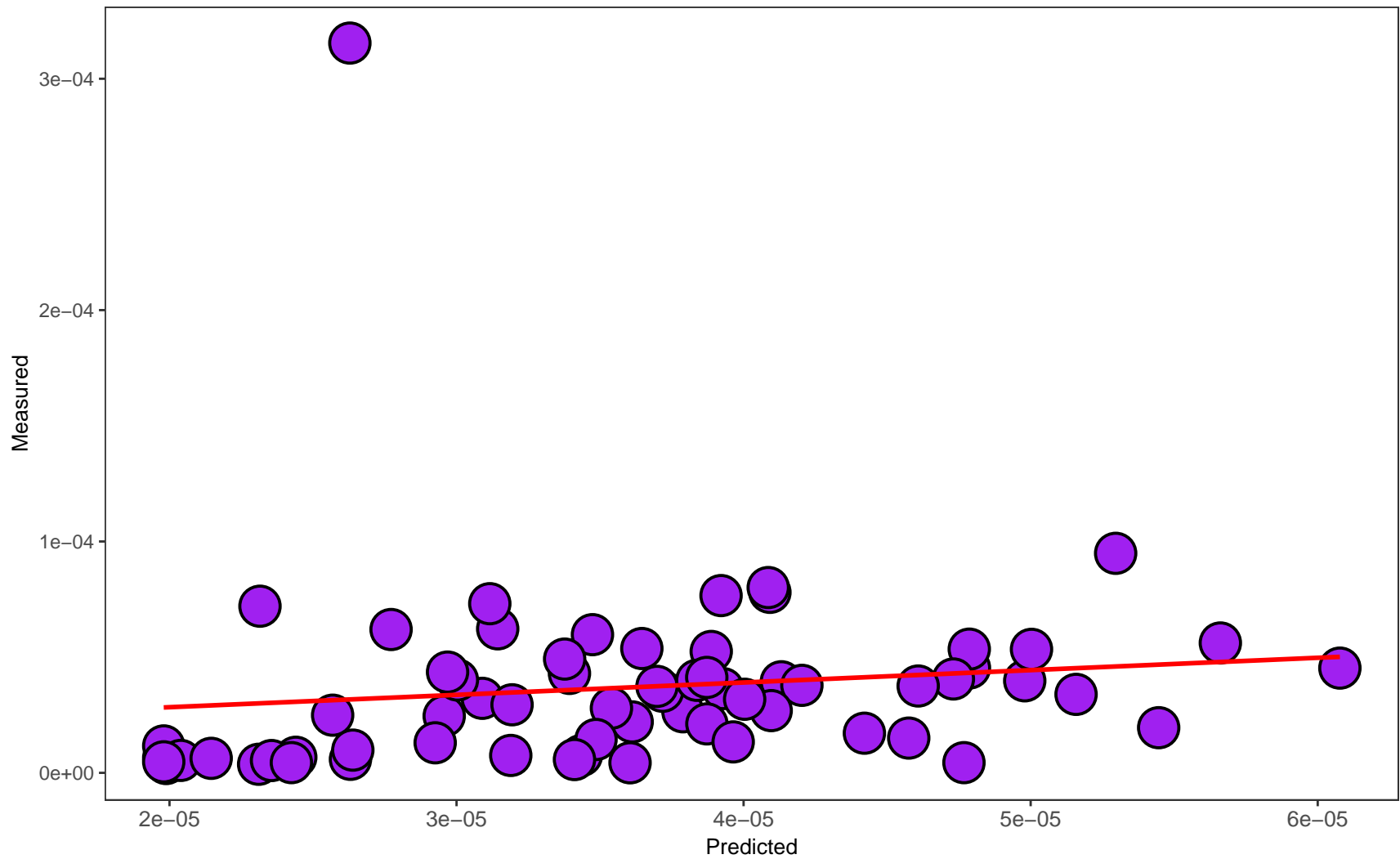
sebacate (C18-neg\_Cluster\_0064): Spearman 0.44



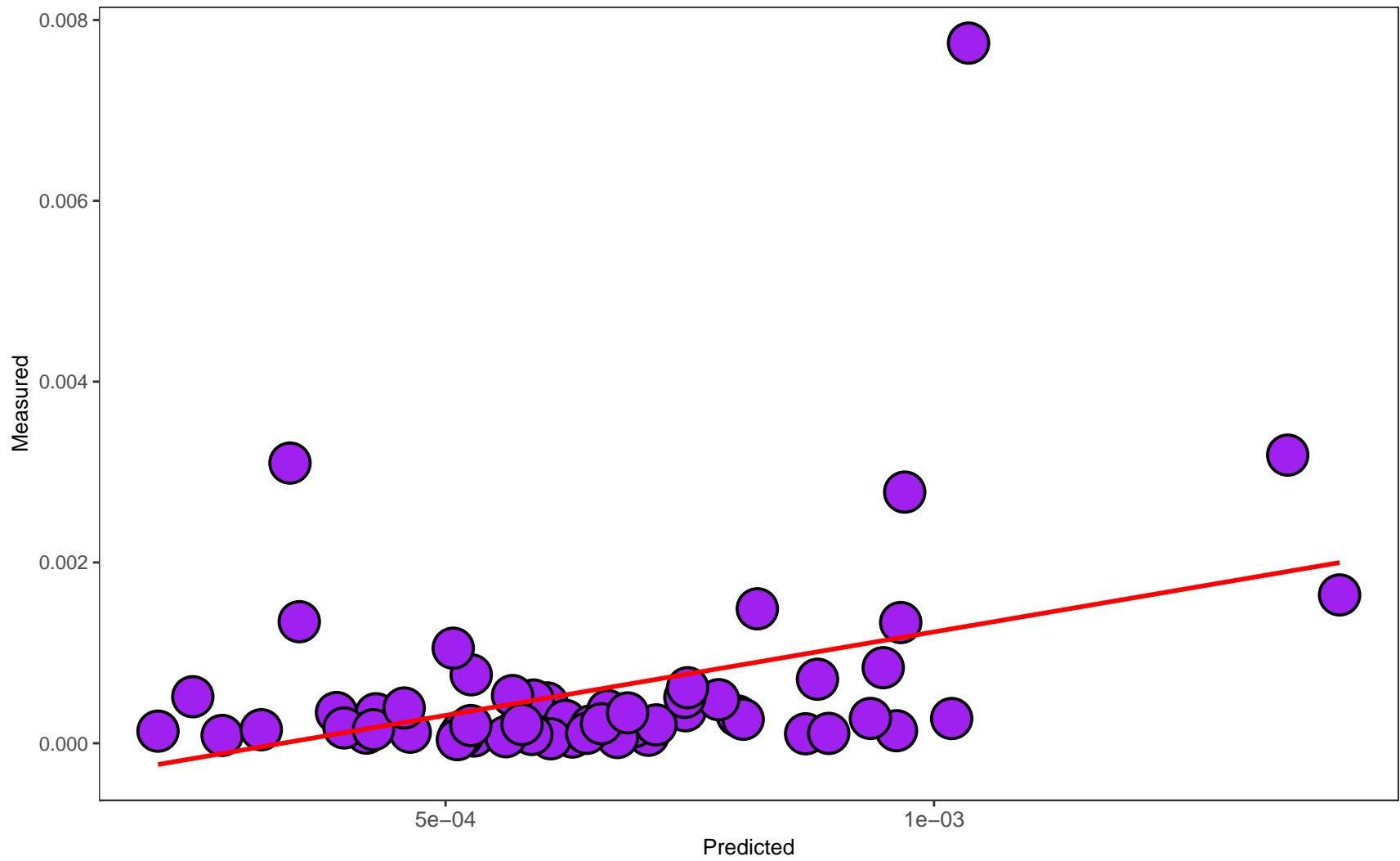
undecanedionate (C18-neg\_Cluster\_0079): Spearman 0.48



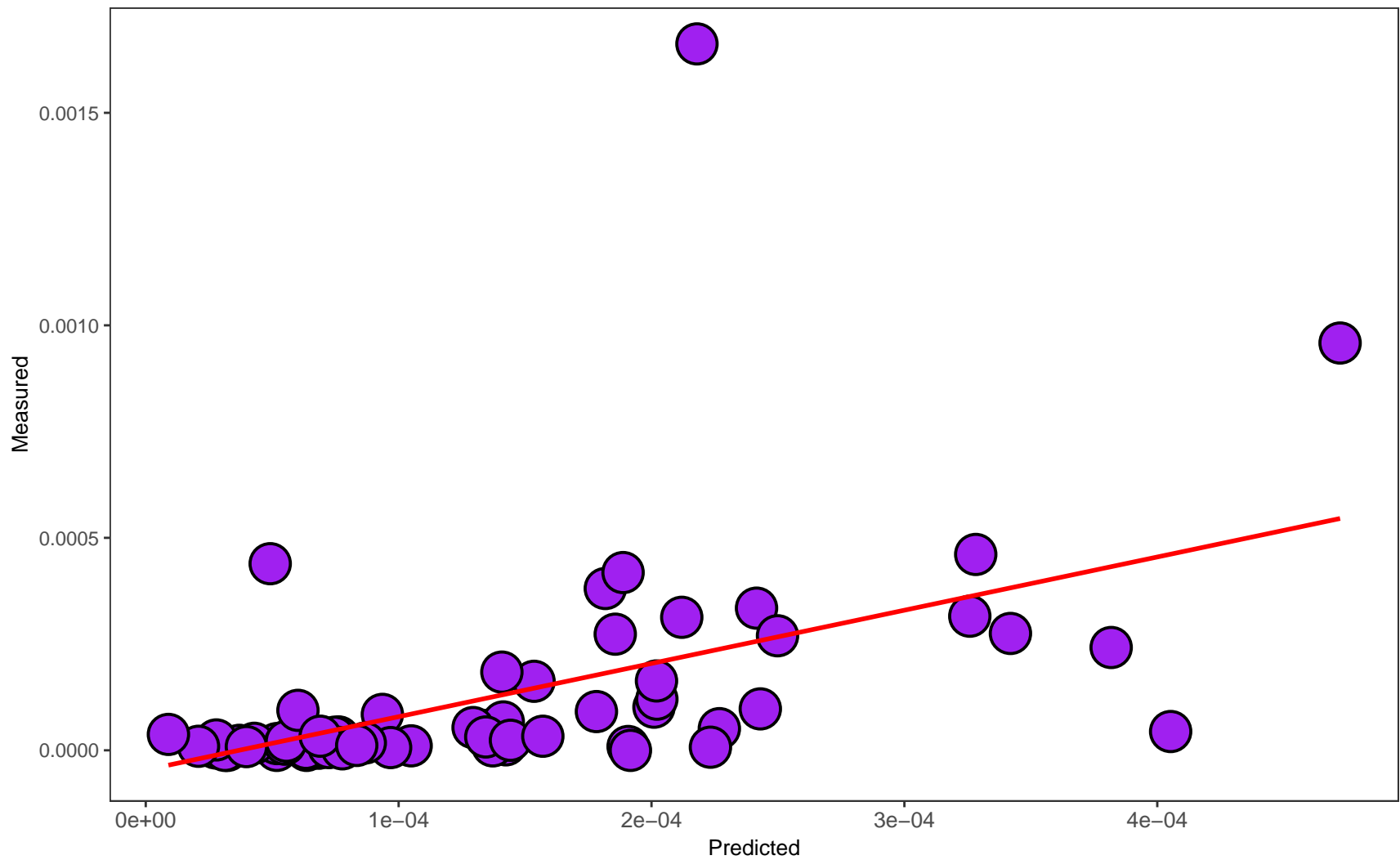
2-hydroxymyristic acid (C18-neg\_Cluster\_0144): Spearman 0.42



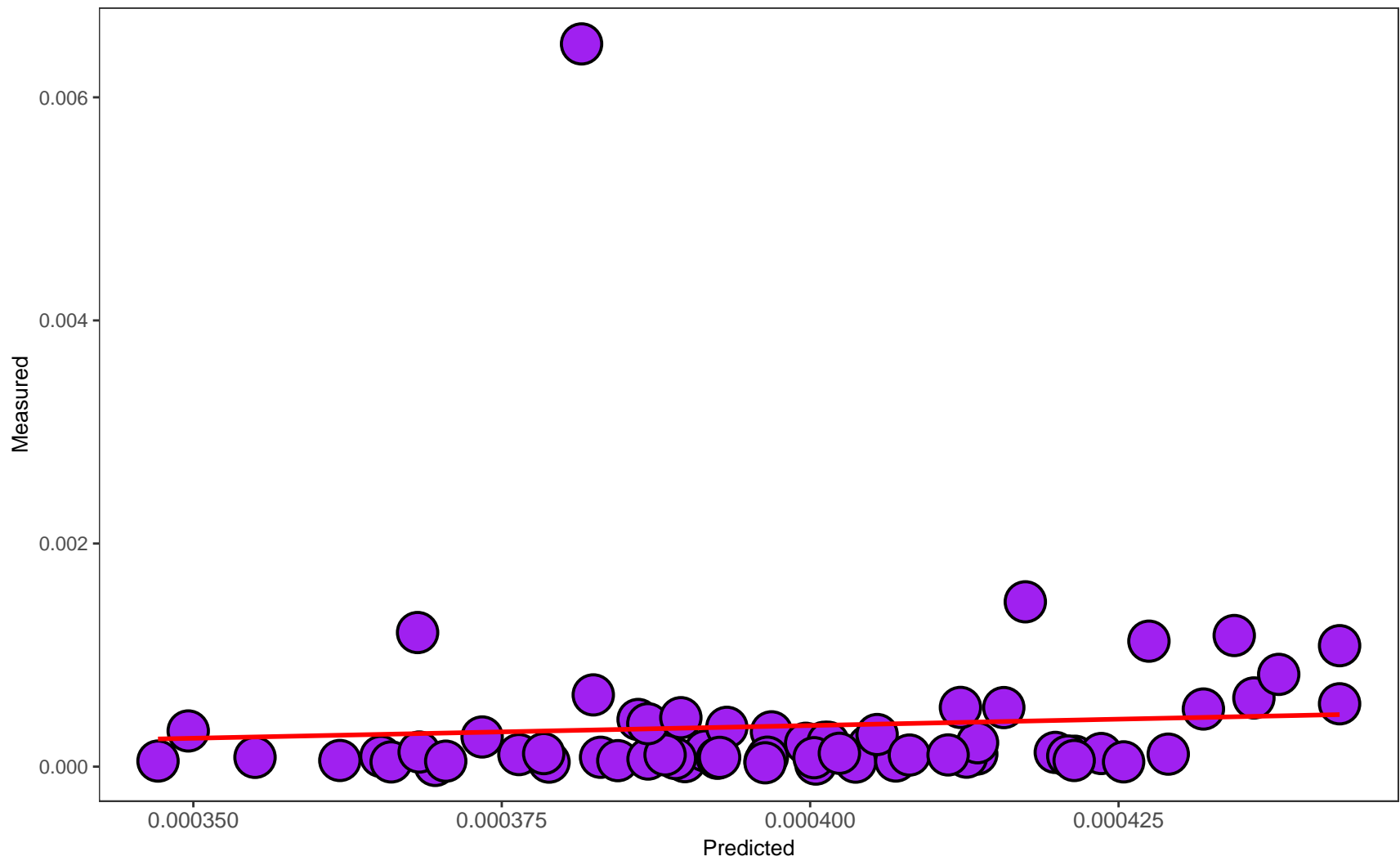
arachidonic acid (C18-neg\_Cluster\_0354): Spearman 0.31



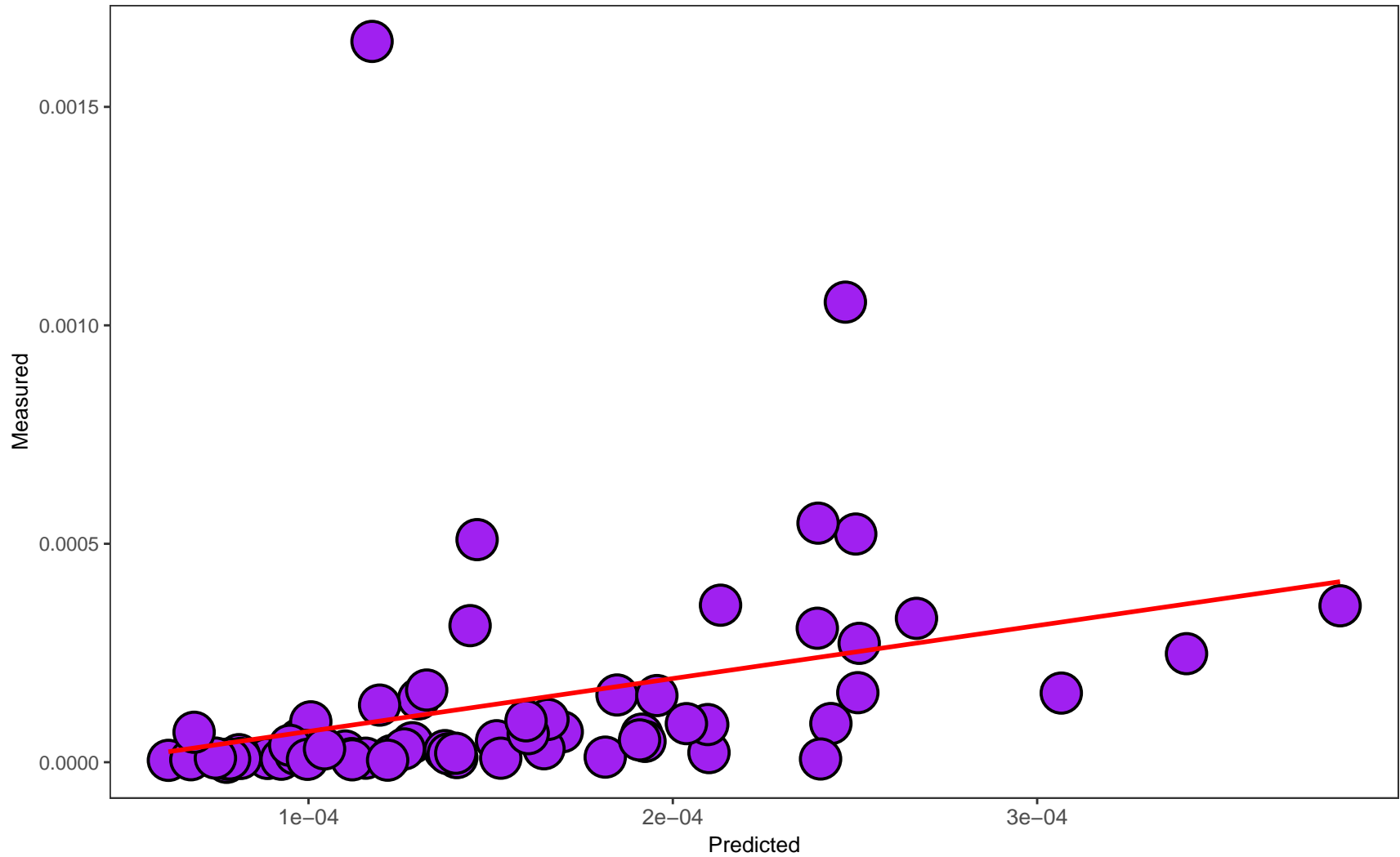
eicosatrienoic acid (C18-neg\_Cluster\_0361): Spearman 0.6



docosahexaenoic acid (C18-neg\_Cluster\_0472): Spearman 0.31

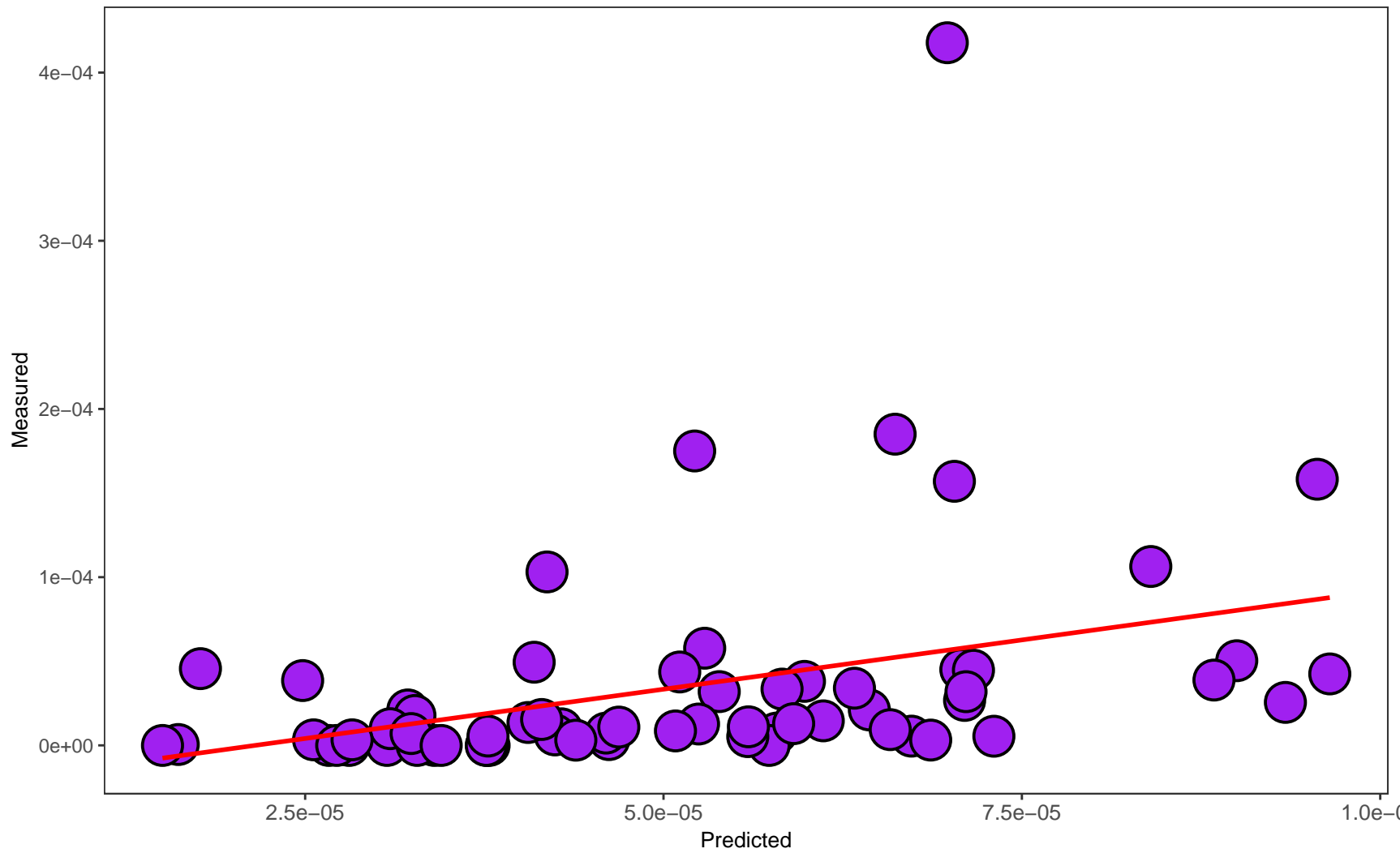


docosapentaenoic acid (C18-neg\_Cluster\_0490): Spearman 0.67

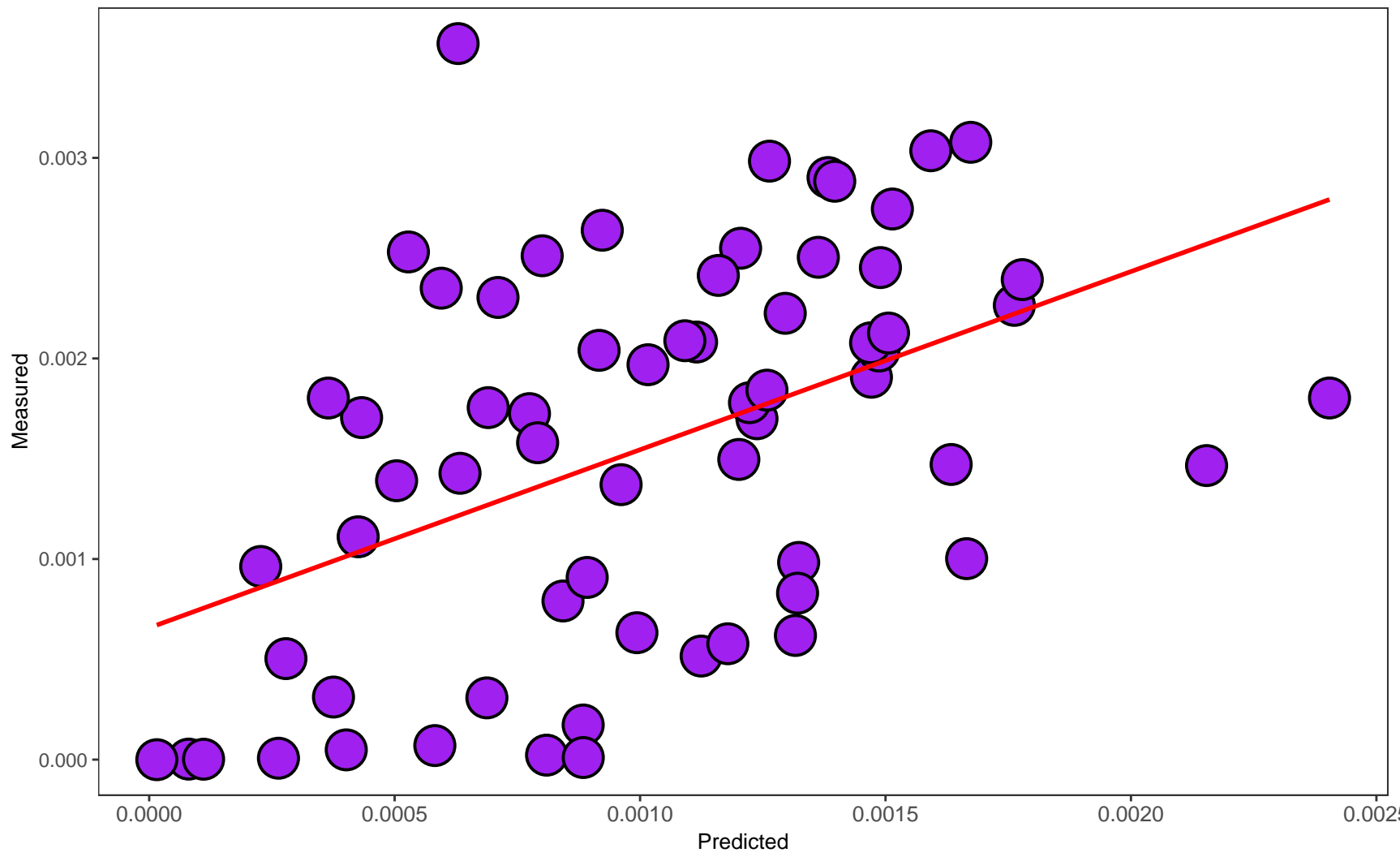




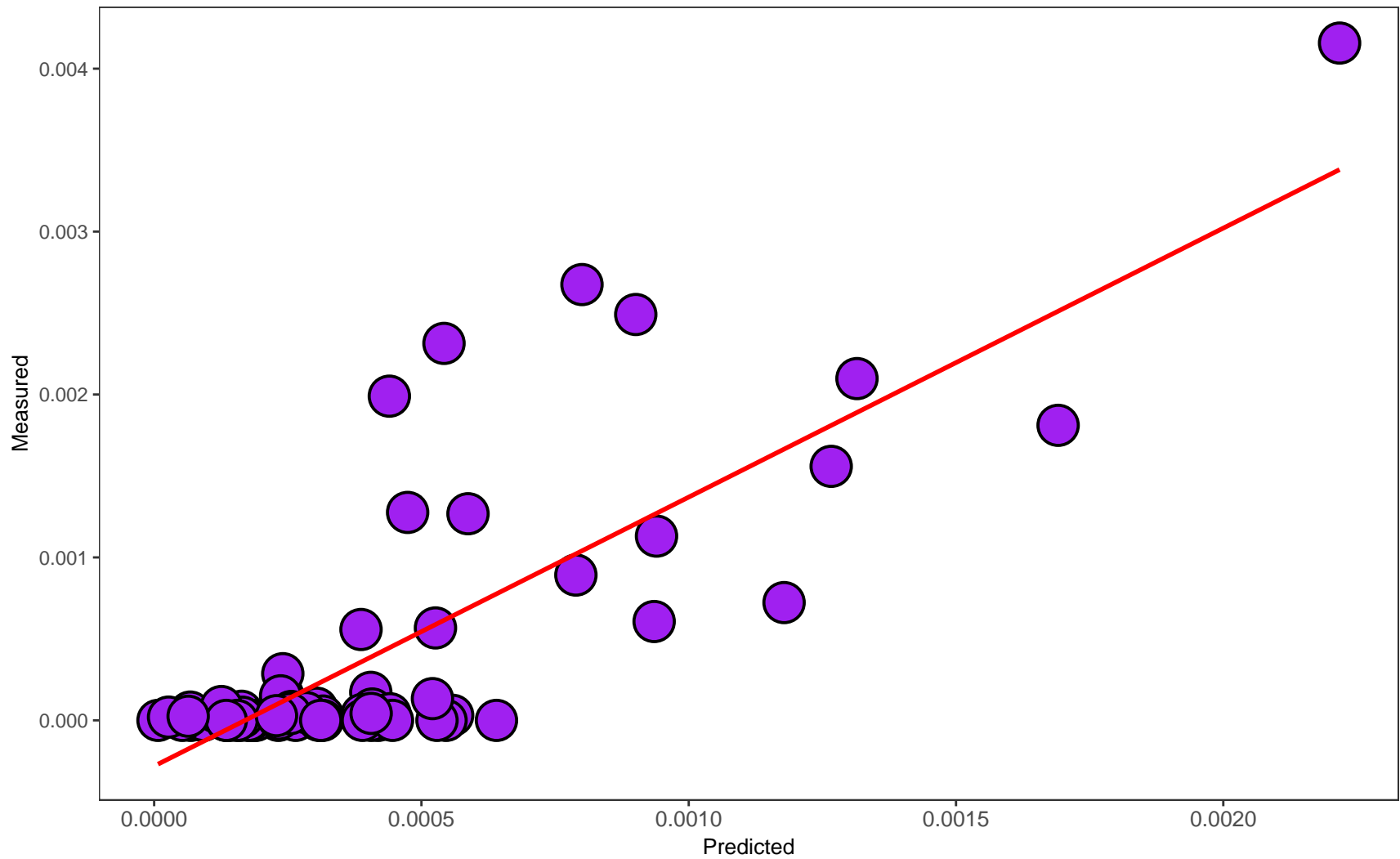
adrenic acid (C18-neg\_Cluster\_0506): Spearman 0.55



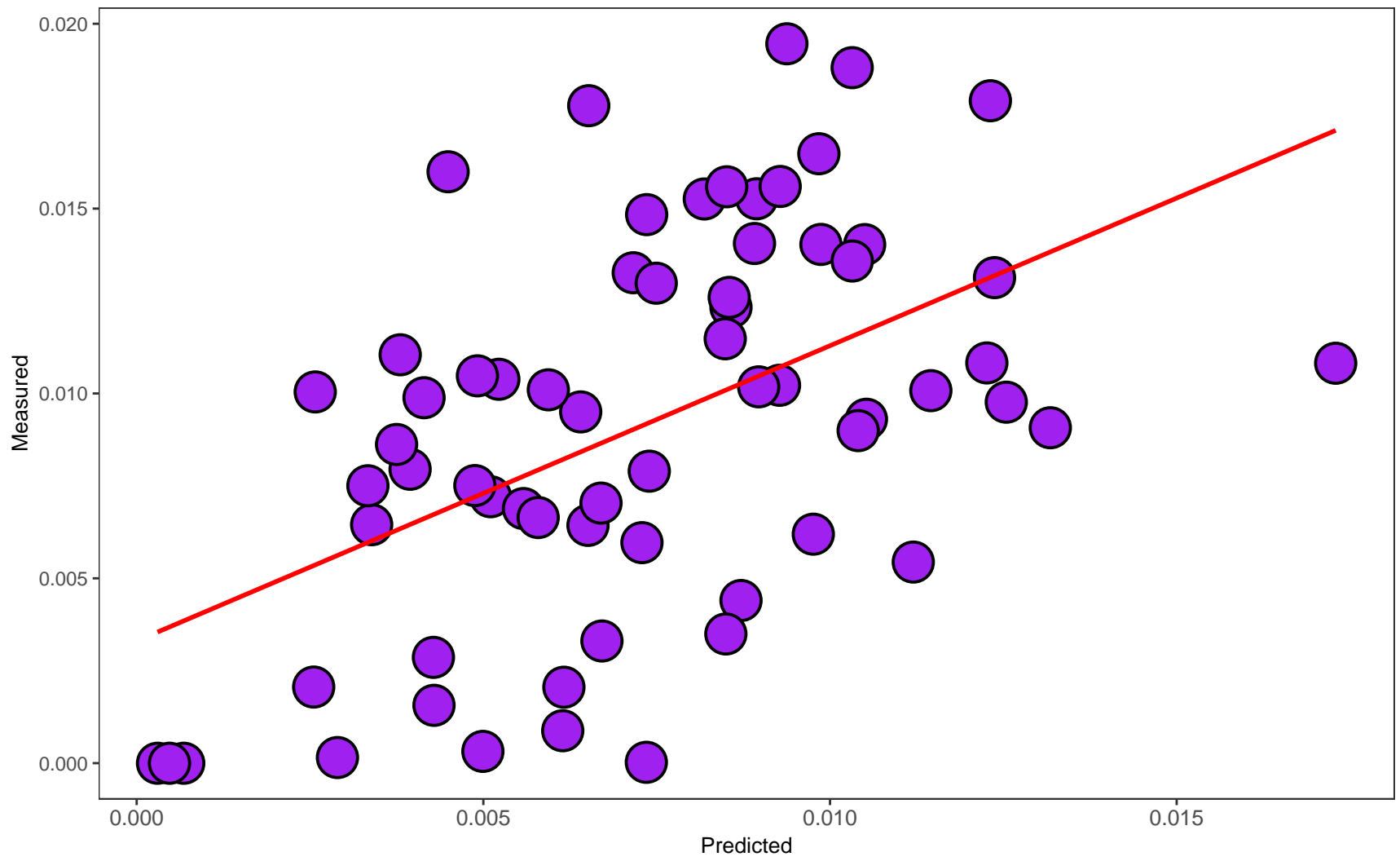
lithocholic acid (C18-neg\_Cluster\_0731): Spearman 0.5



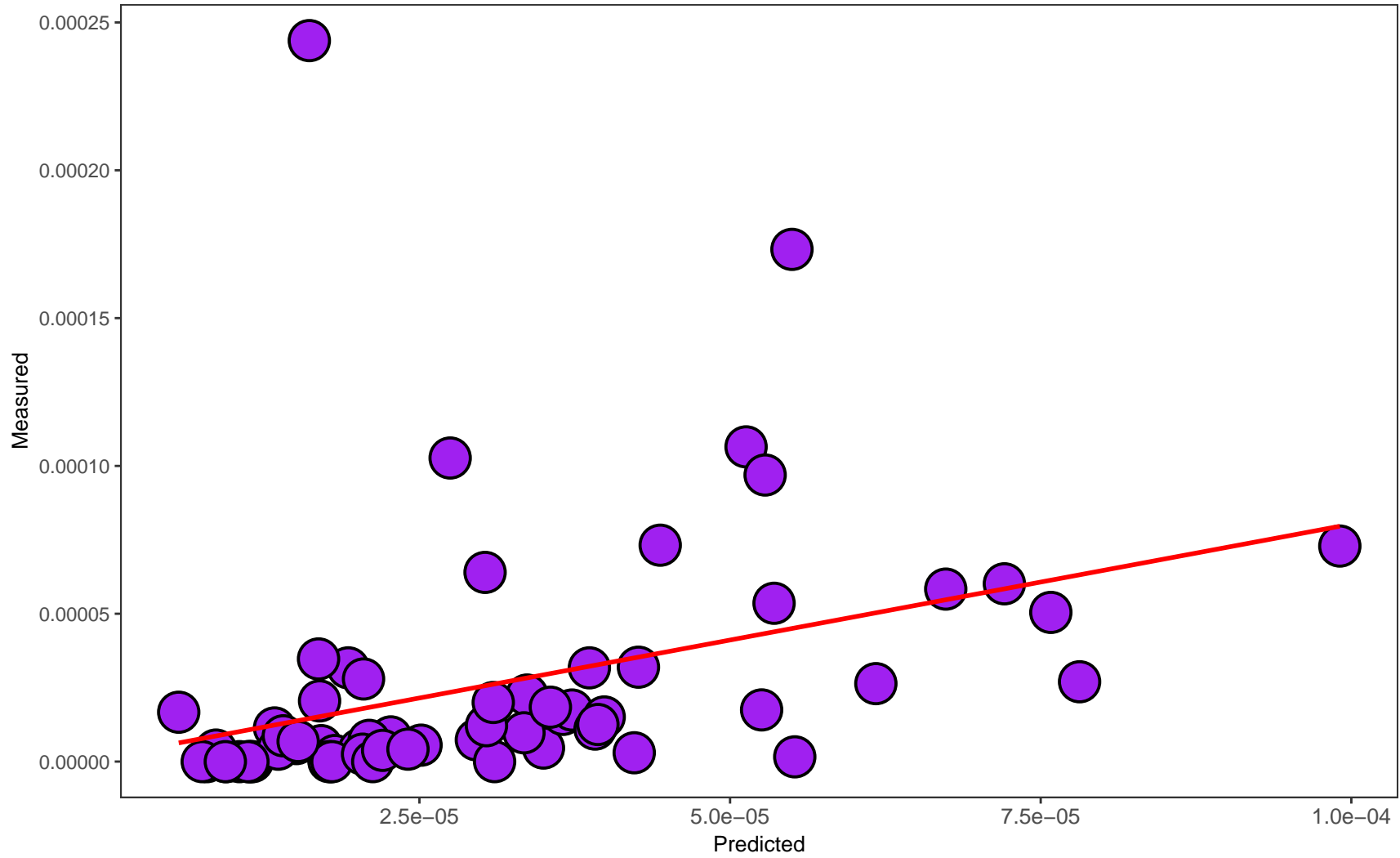
chenodeoxycholate (C18-neg\_Cluster\_0832): Spearman 0.57



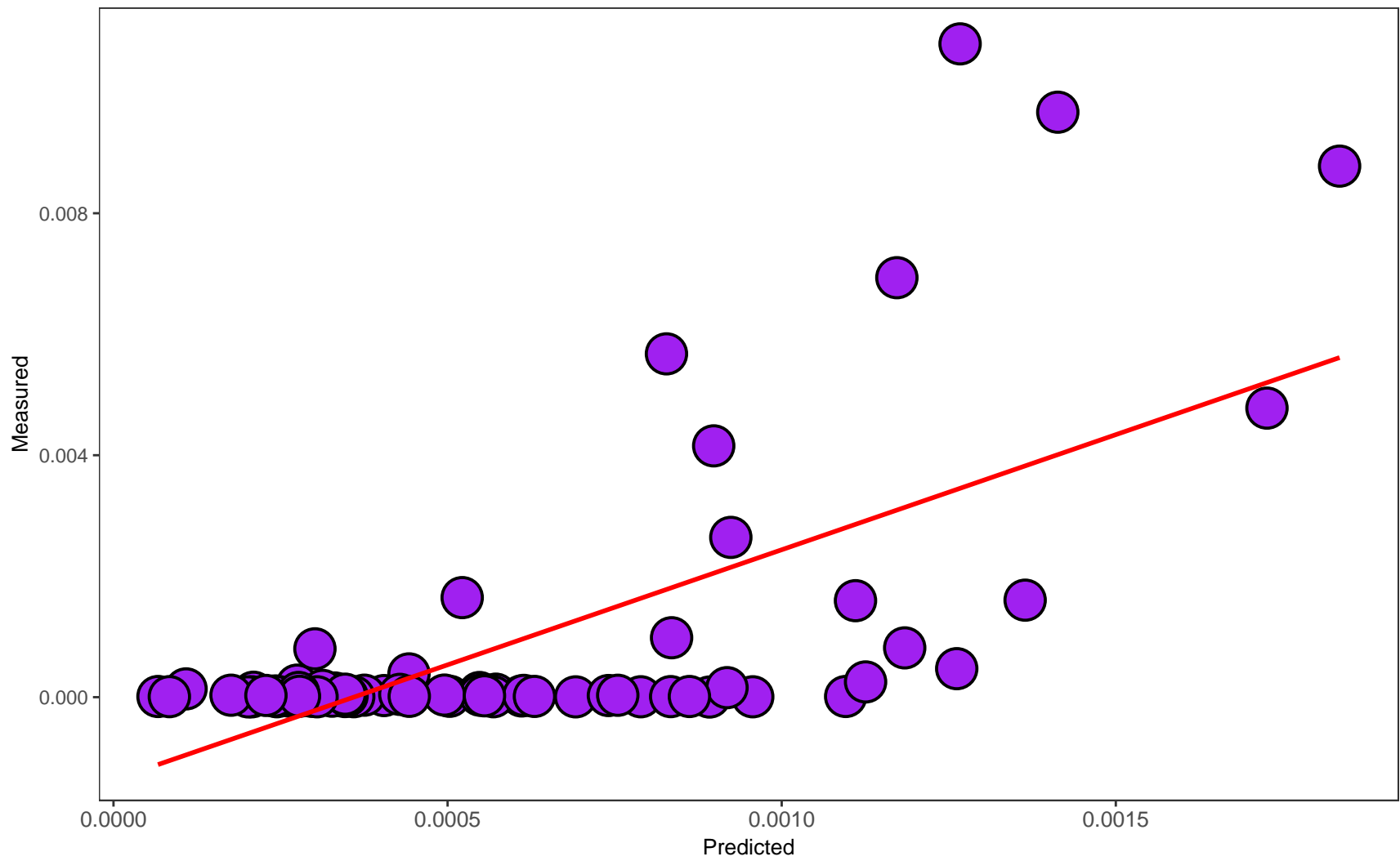
deoxycholic acid (C18-neg\_Cluster\_0833): Spearman 0.51



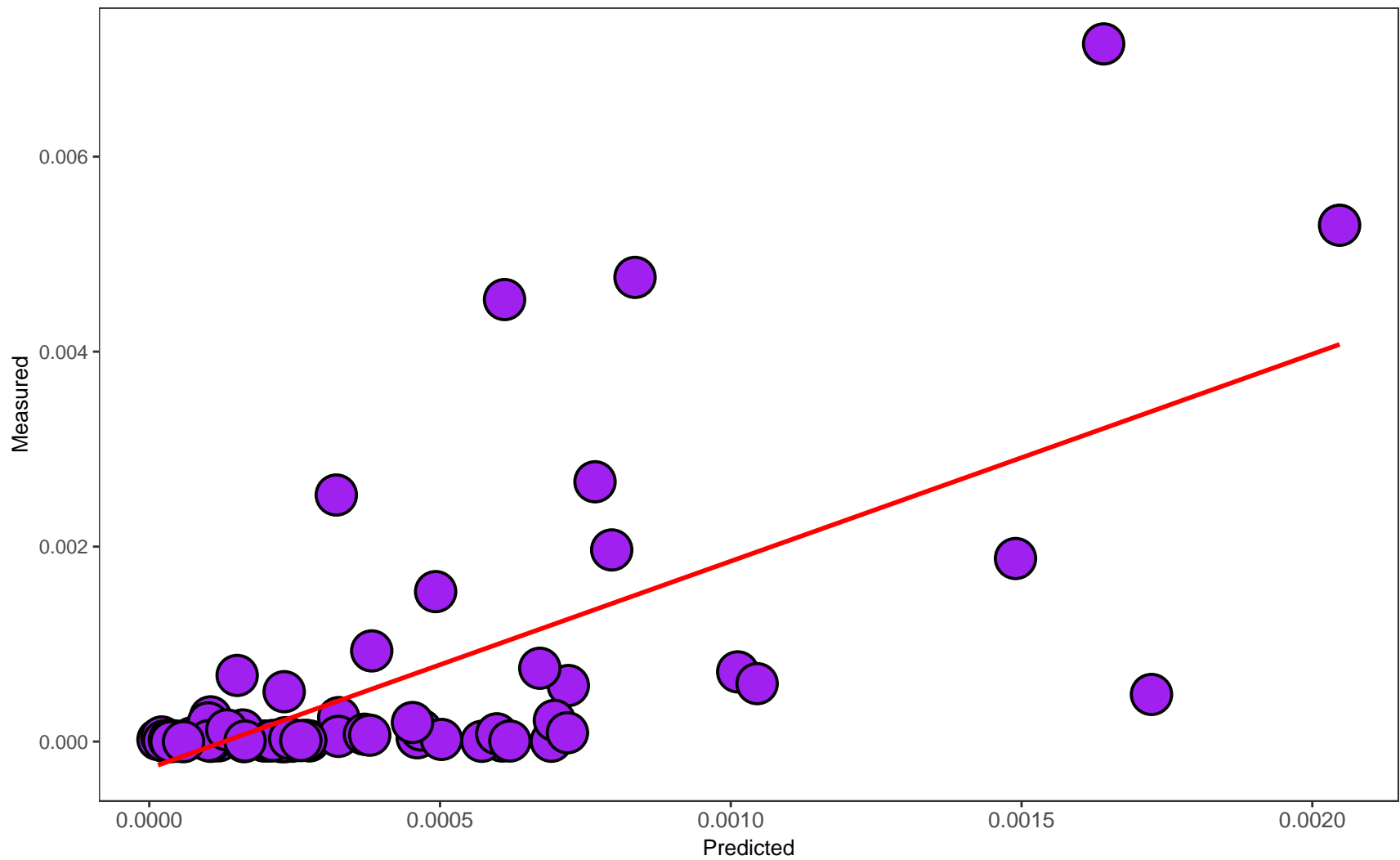
docosapentaenoic acid (C18-neg\_Cluster\_0863): Spearman 0.62



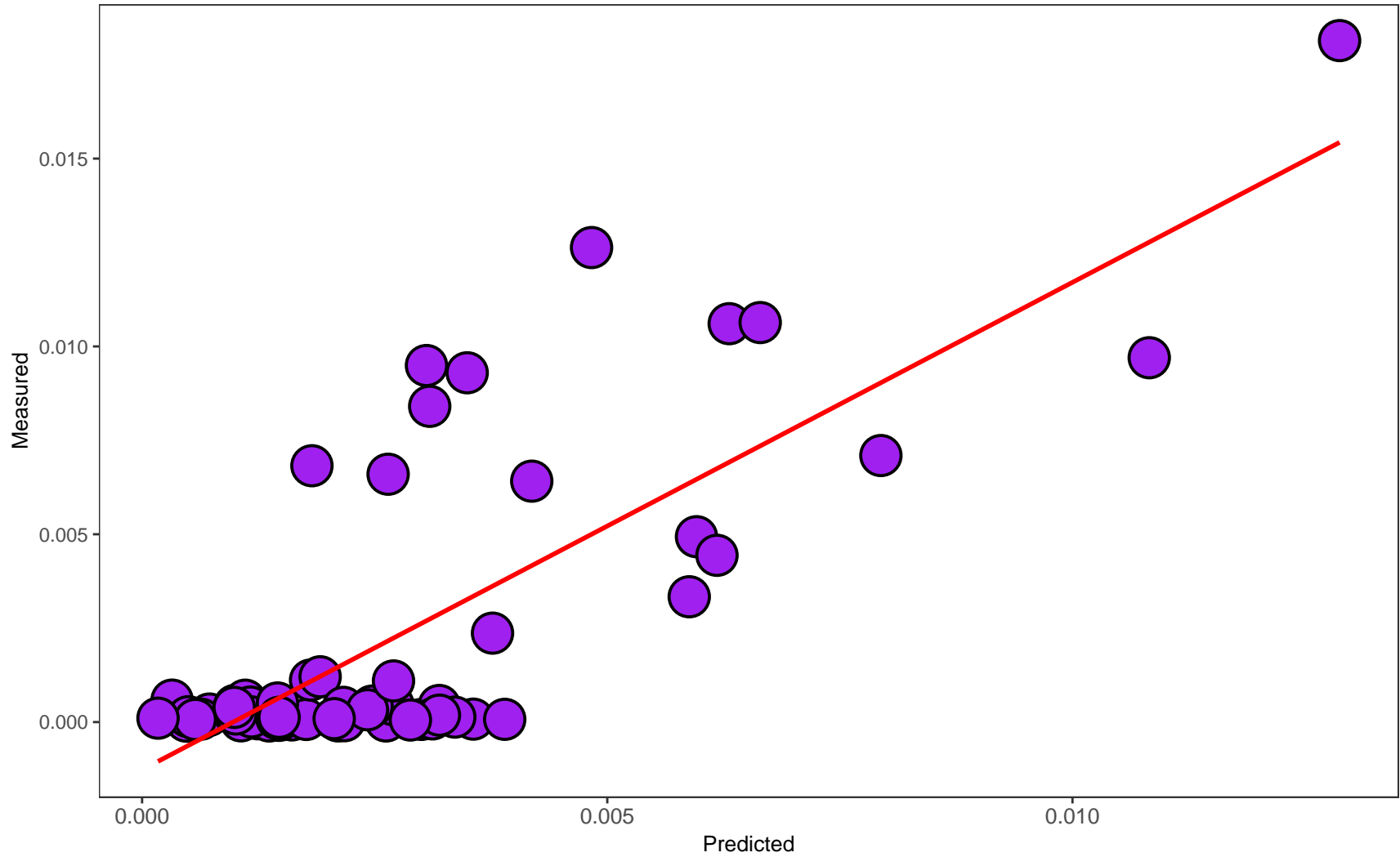
ketodeoxycholate (C18-neg\_Cluster\_0900): Spearman 0.42



alpha-muricholate (C18-neg\_Cluster\_0927): Spearman 0.58



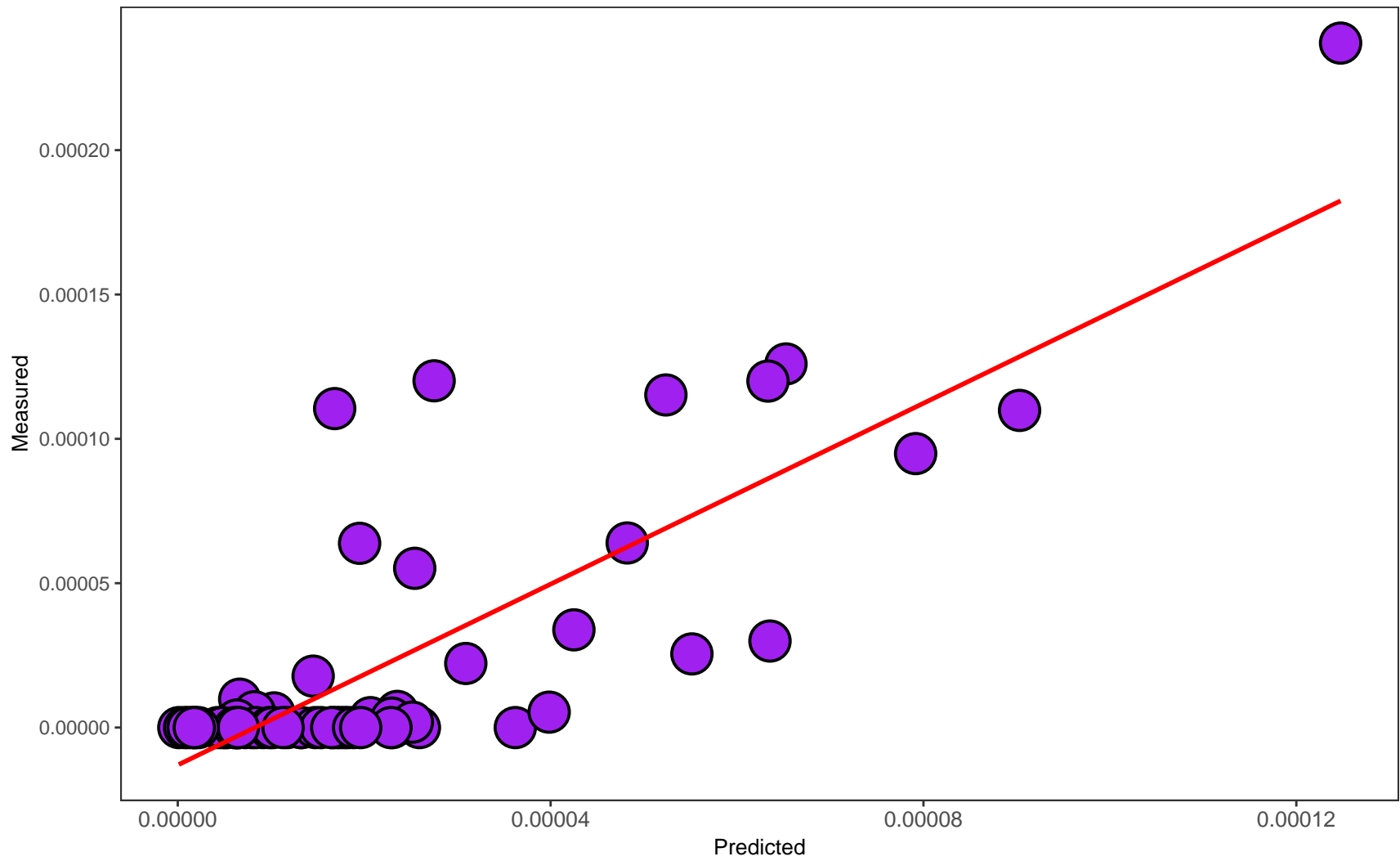
cholate (C18-neg\_Cluster\_0930): Spearman 0.49



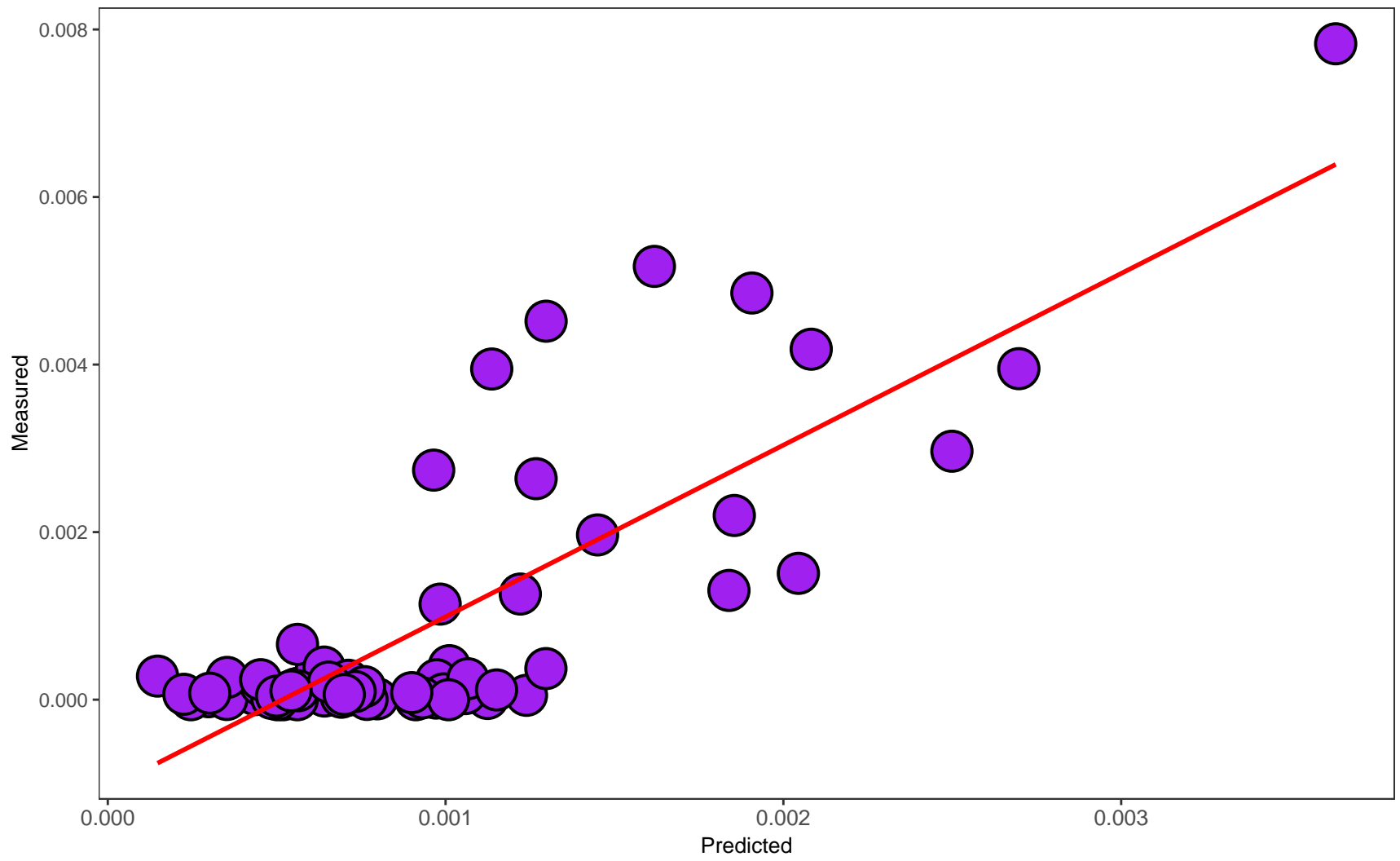




chenodeoxycholate (C18-neg\_Cluster\_1060): Spearman 0.67

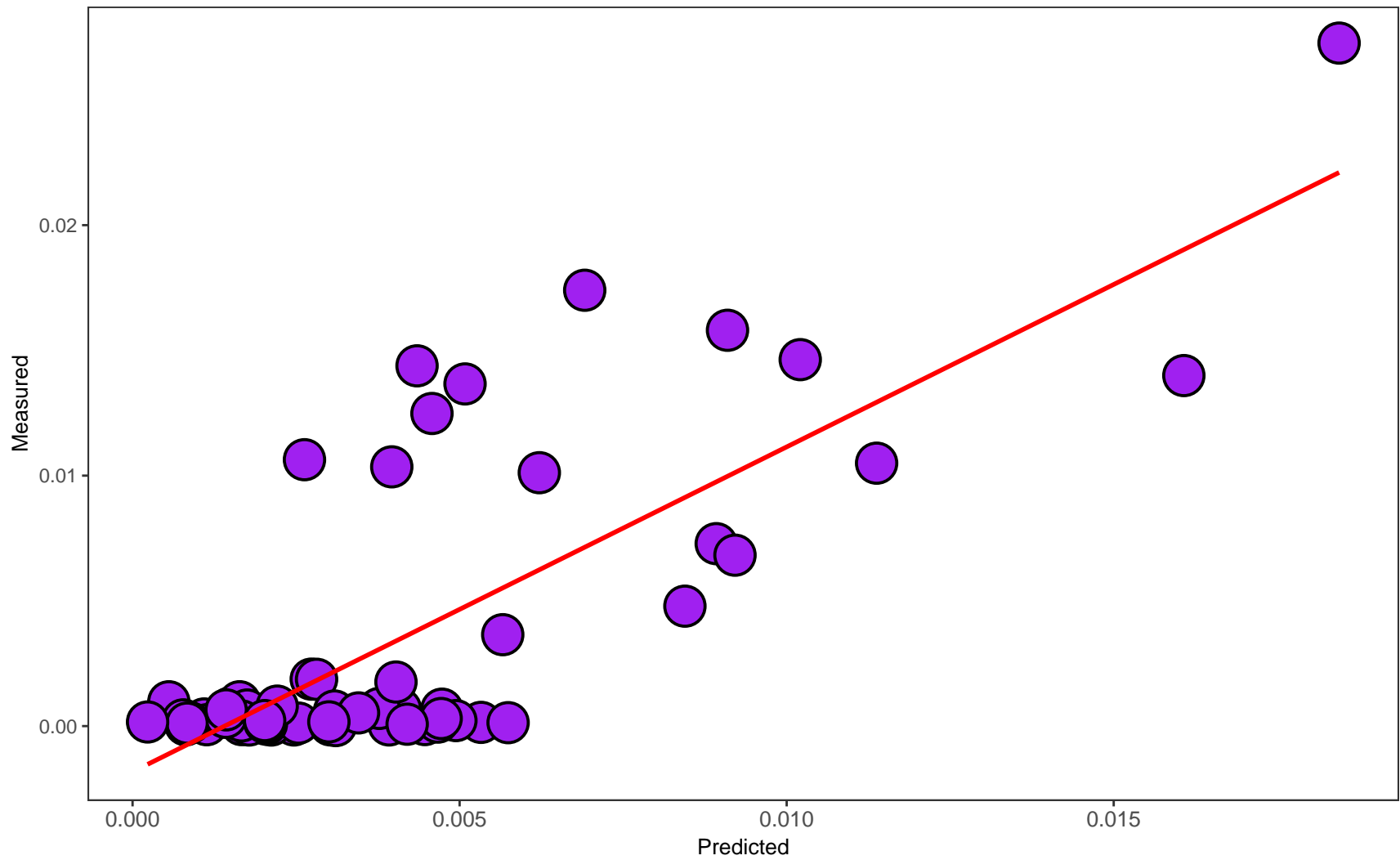


chenodeoxycholate (C18-neg\_Cluster\_1129): Spearman 0.55

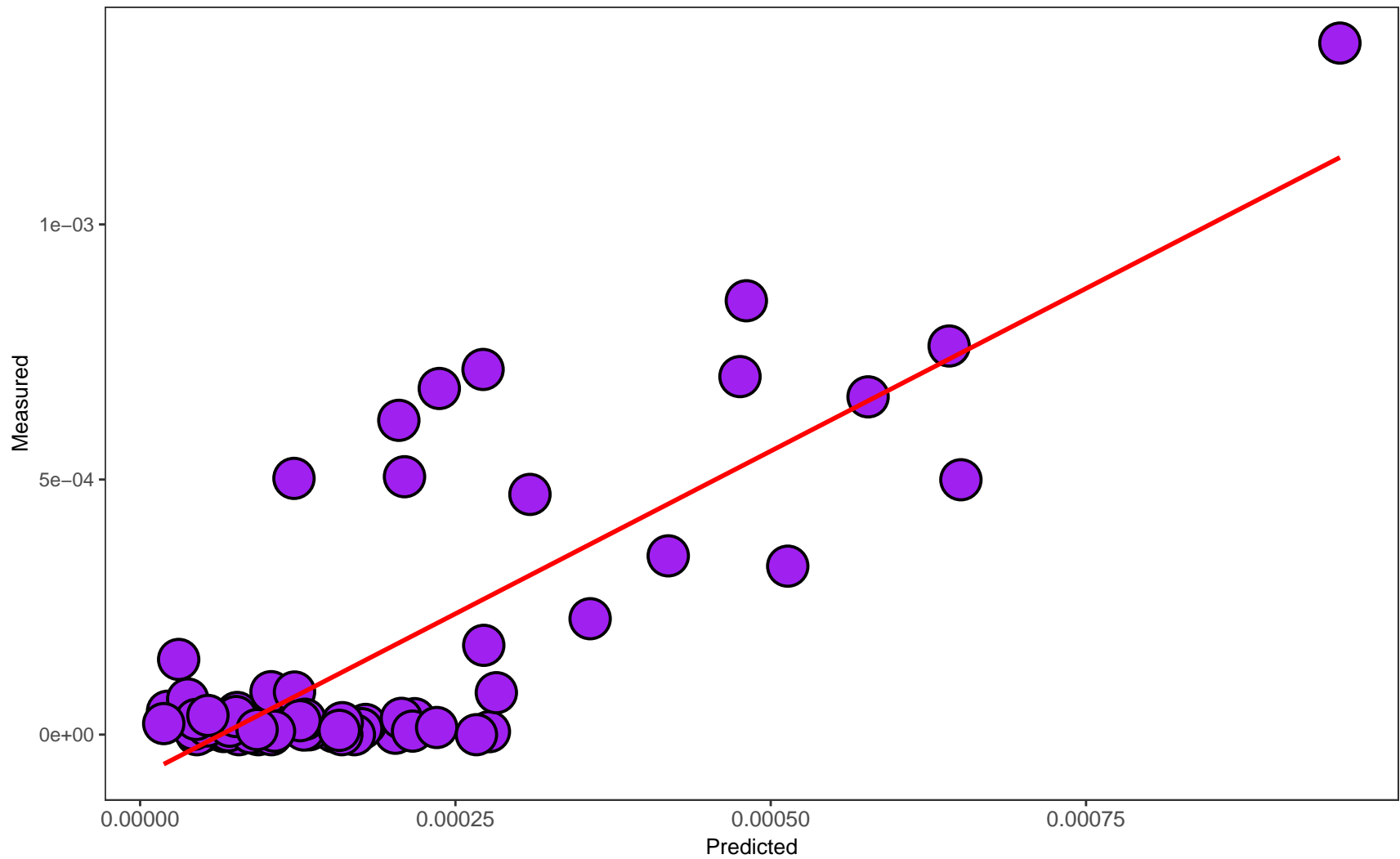




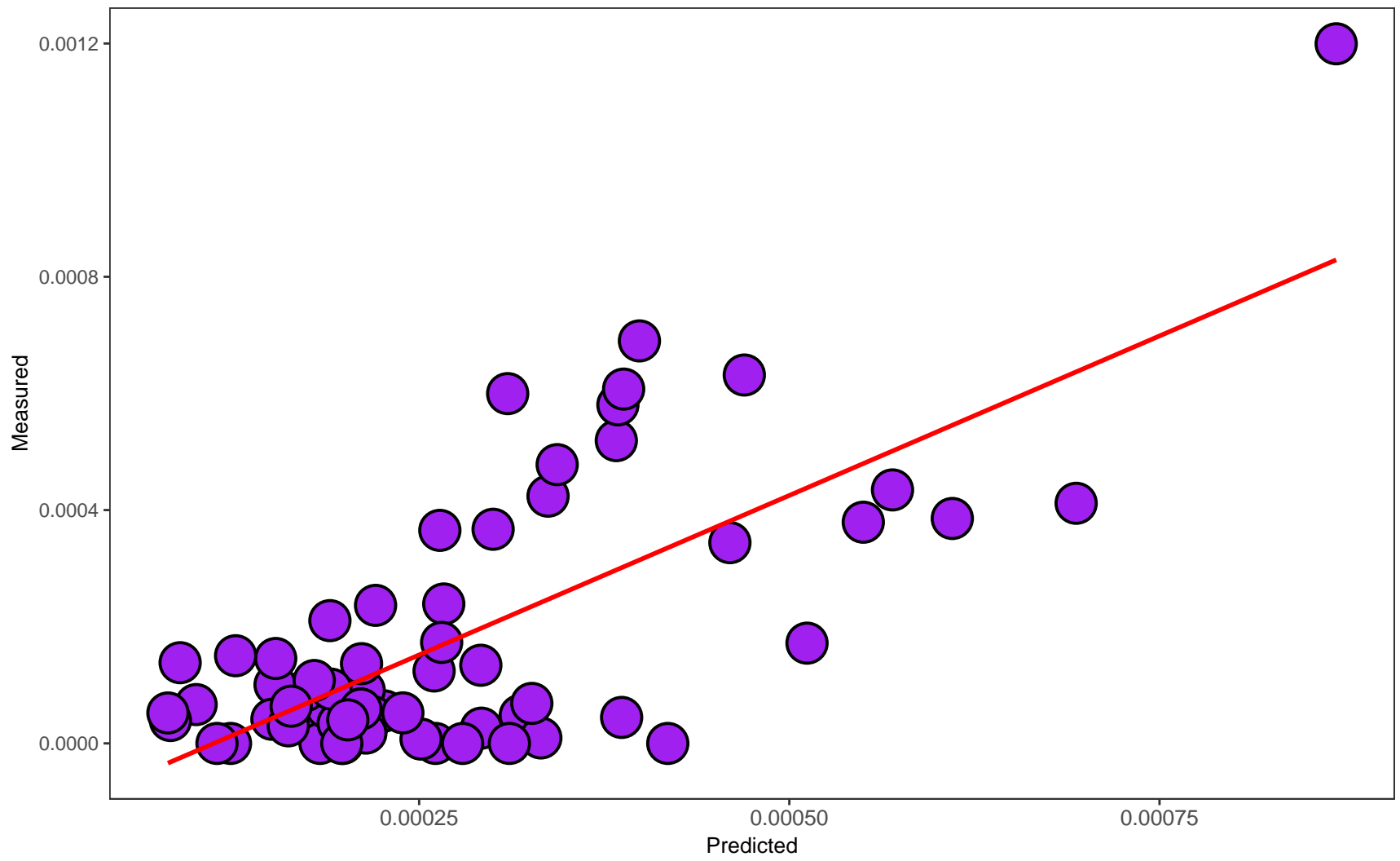
cholate (C18-neg\_Cluster\_1258): Spearman 0.5



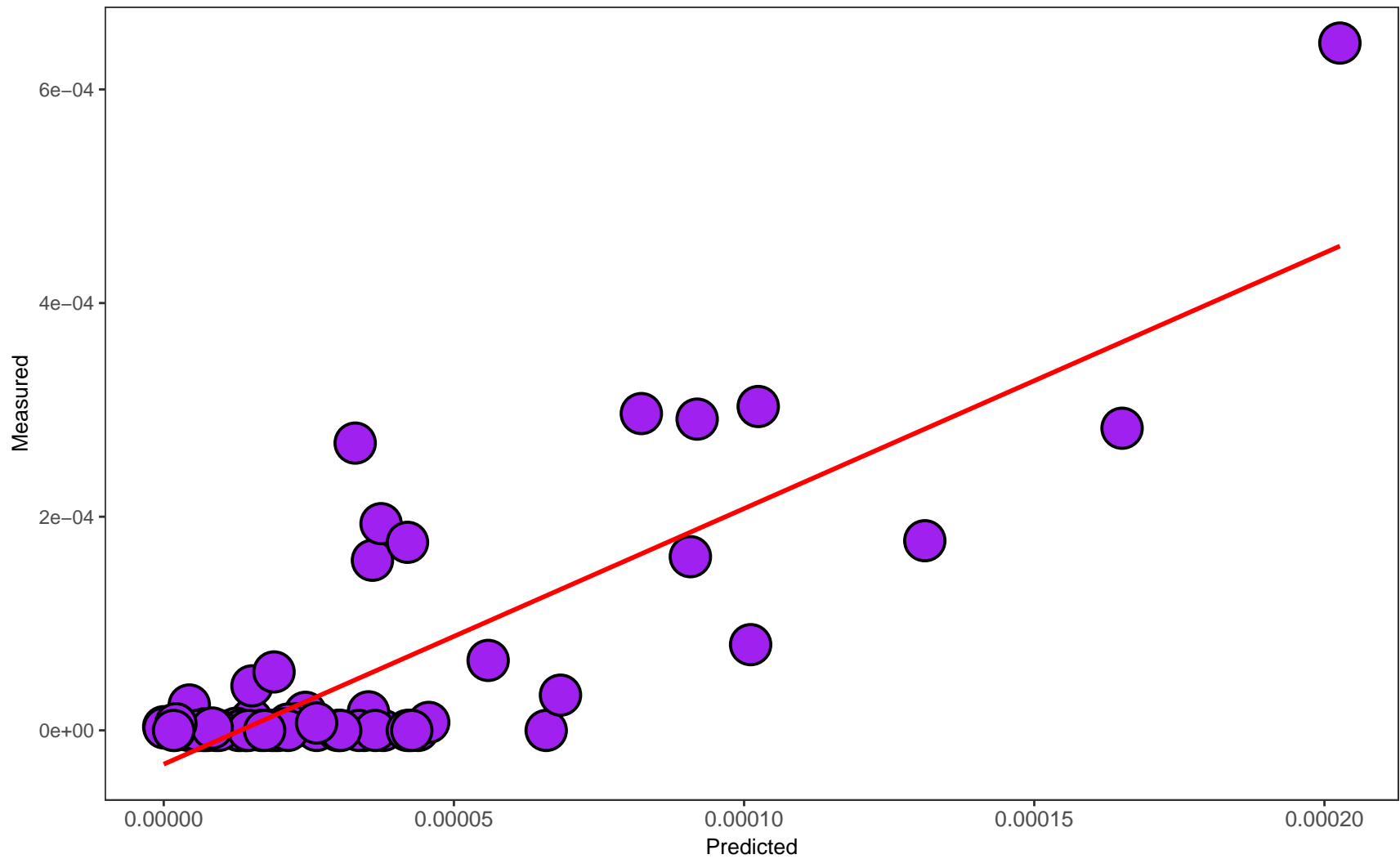
cholate (C18-neg\_Cluster\_1273): Spearman 0.41



chenodeoxycholate (C18-neg\_Cluster\_1292): Spearman 0.48

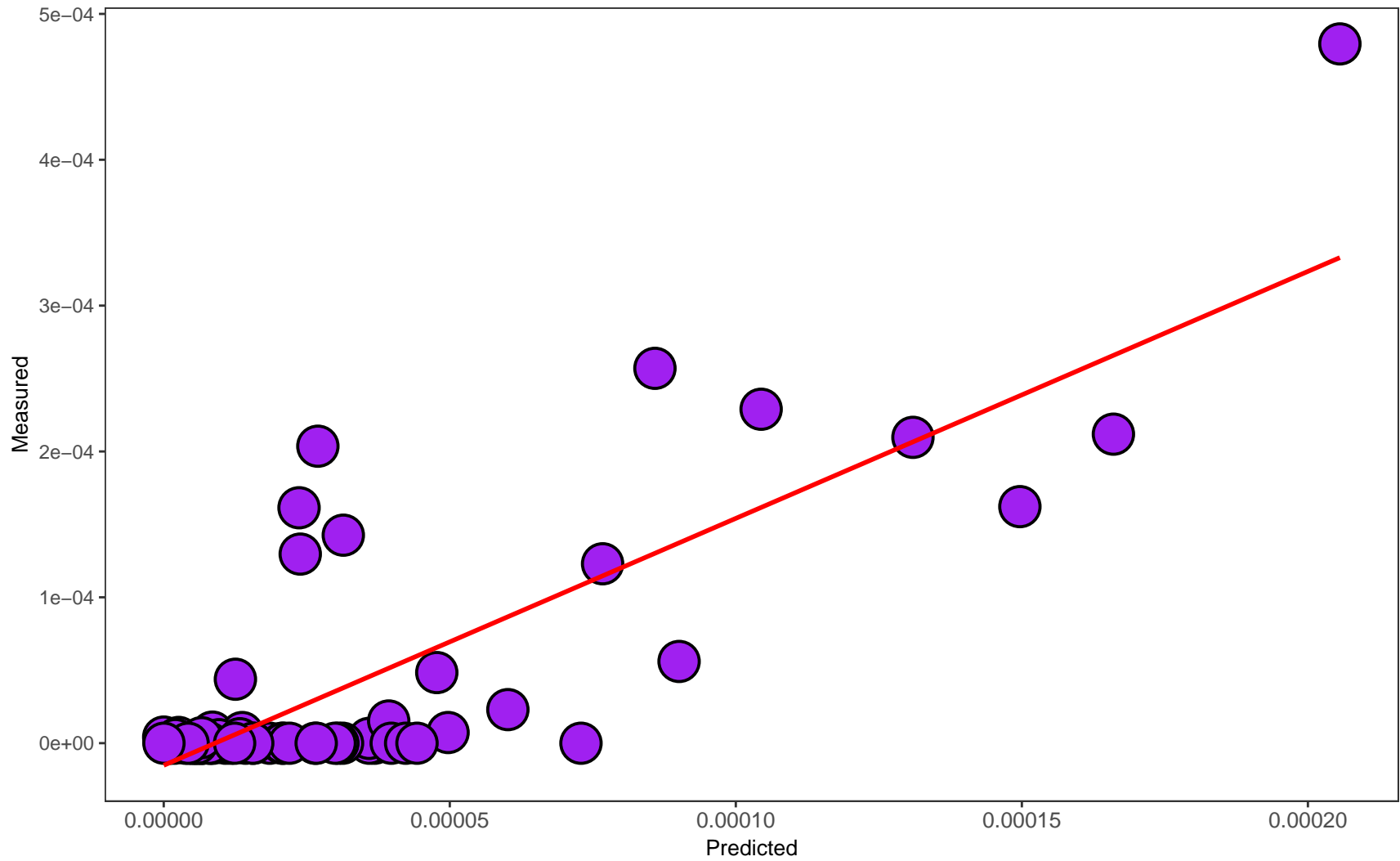


cholate (C18-neg\_Cluster\_1372): Spearman 0.46

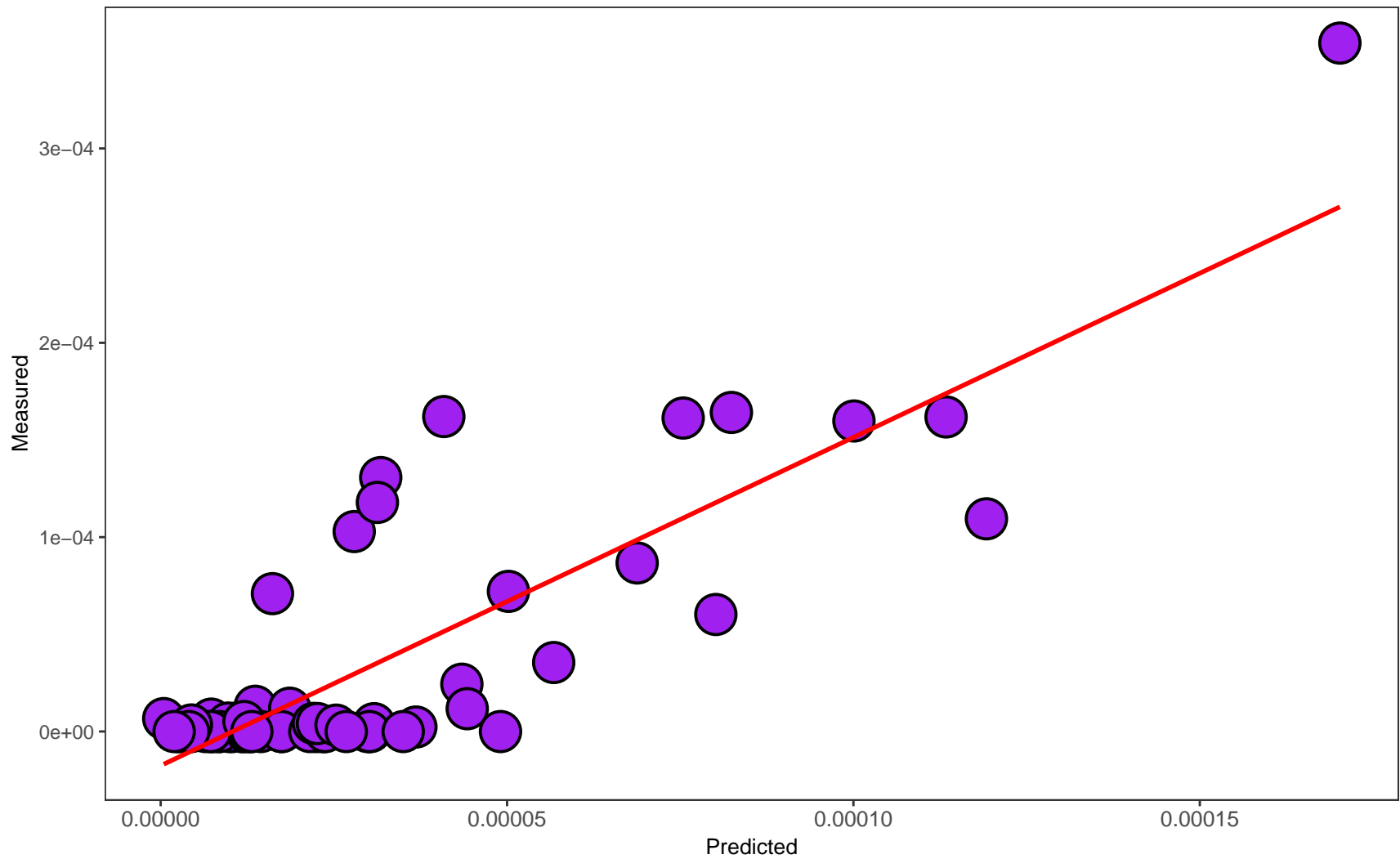




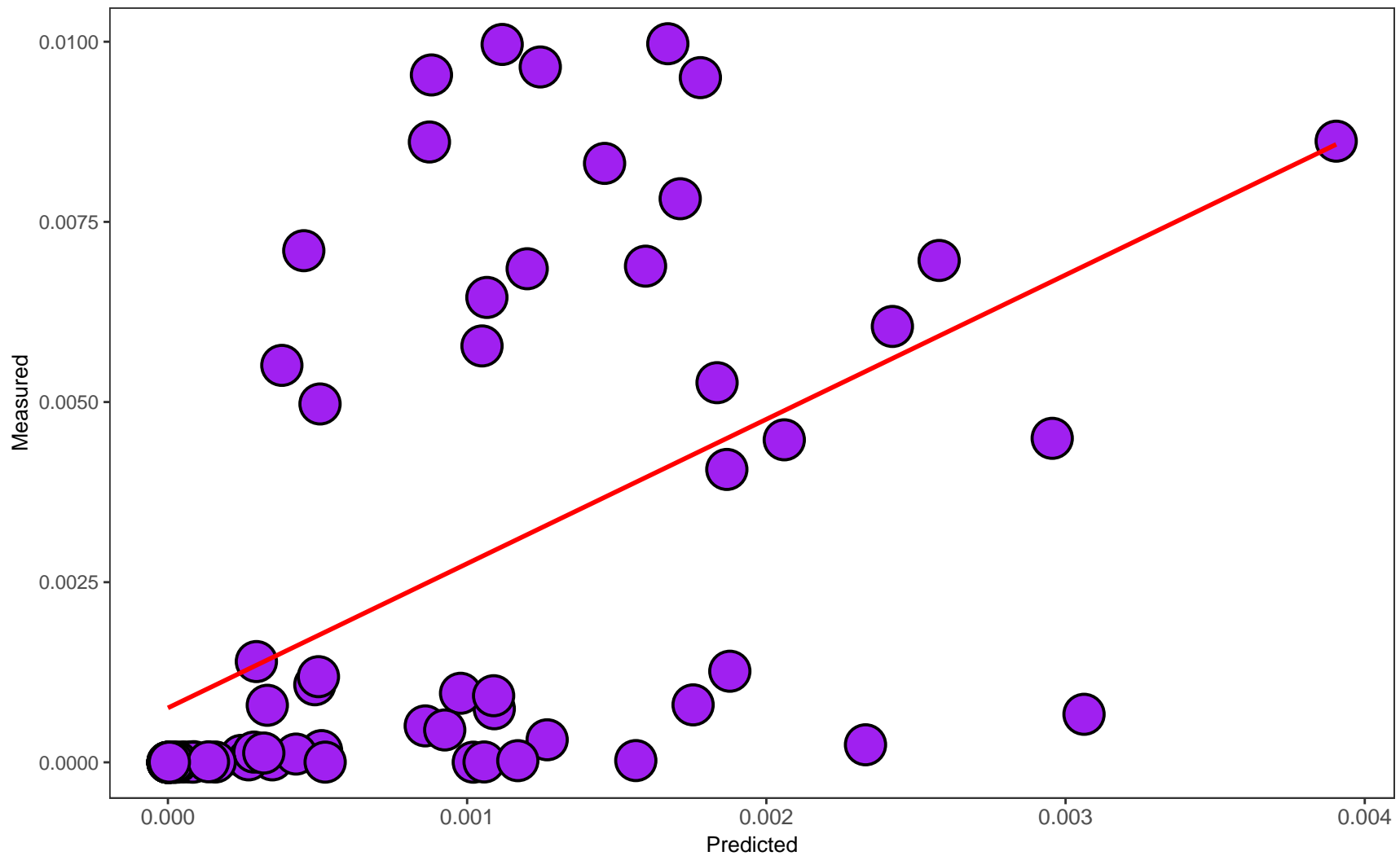
cholate (C18-neg\_Cluster\_1621): Spearman 0.48



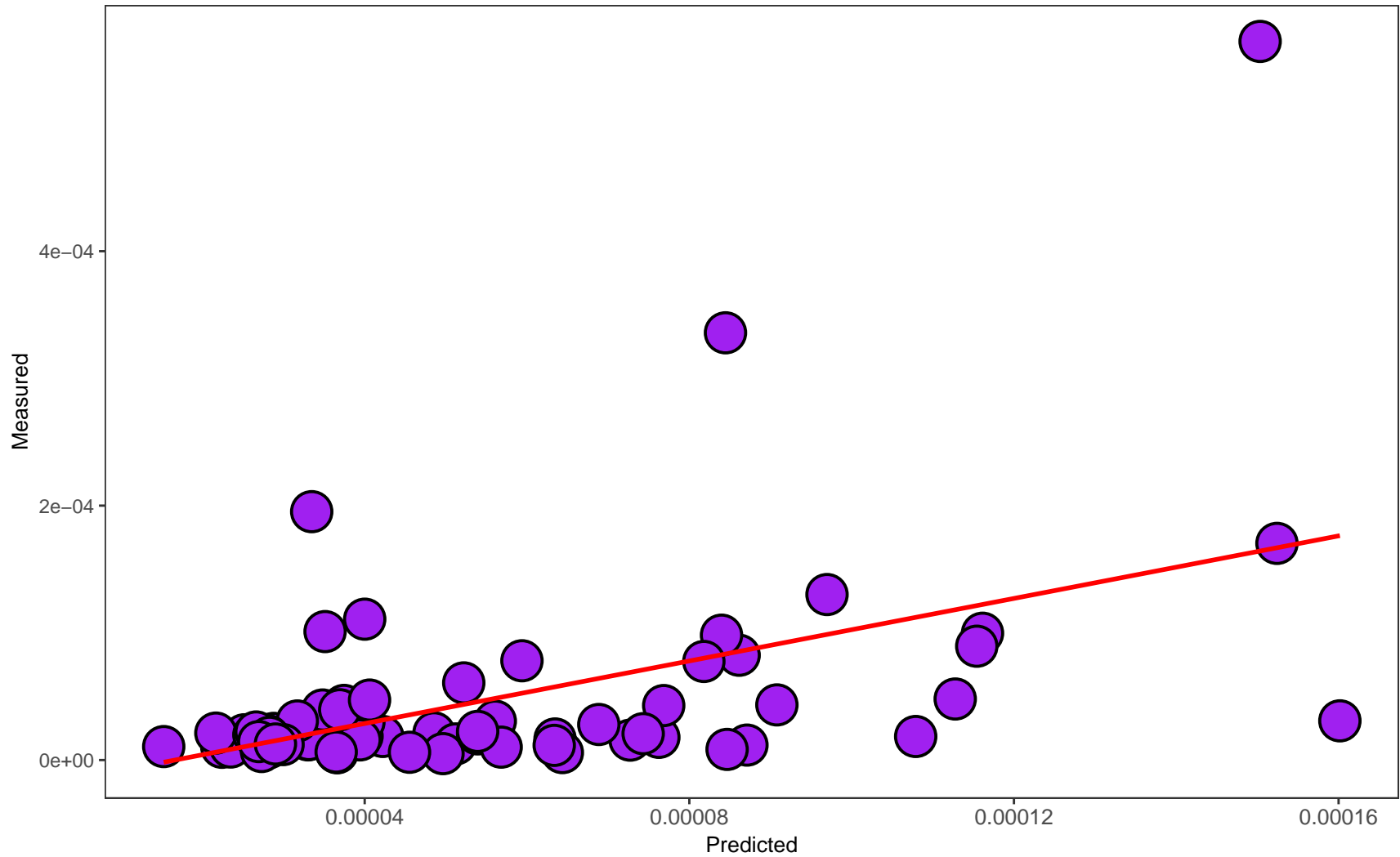
cholate (C18-neg\_Cluster\_1722): Spearman 0.6



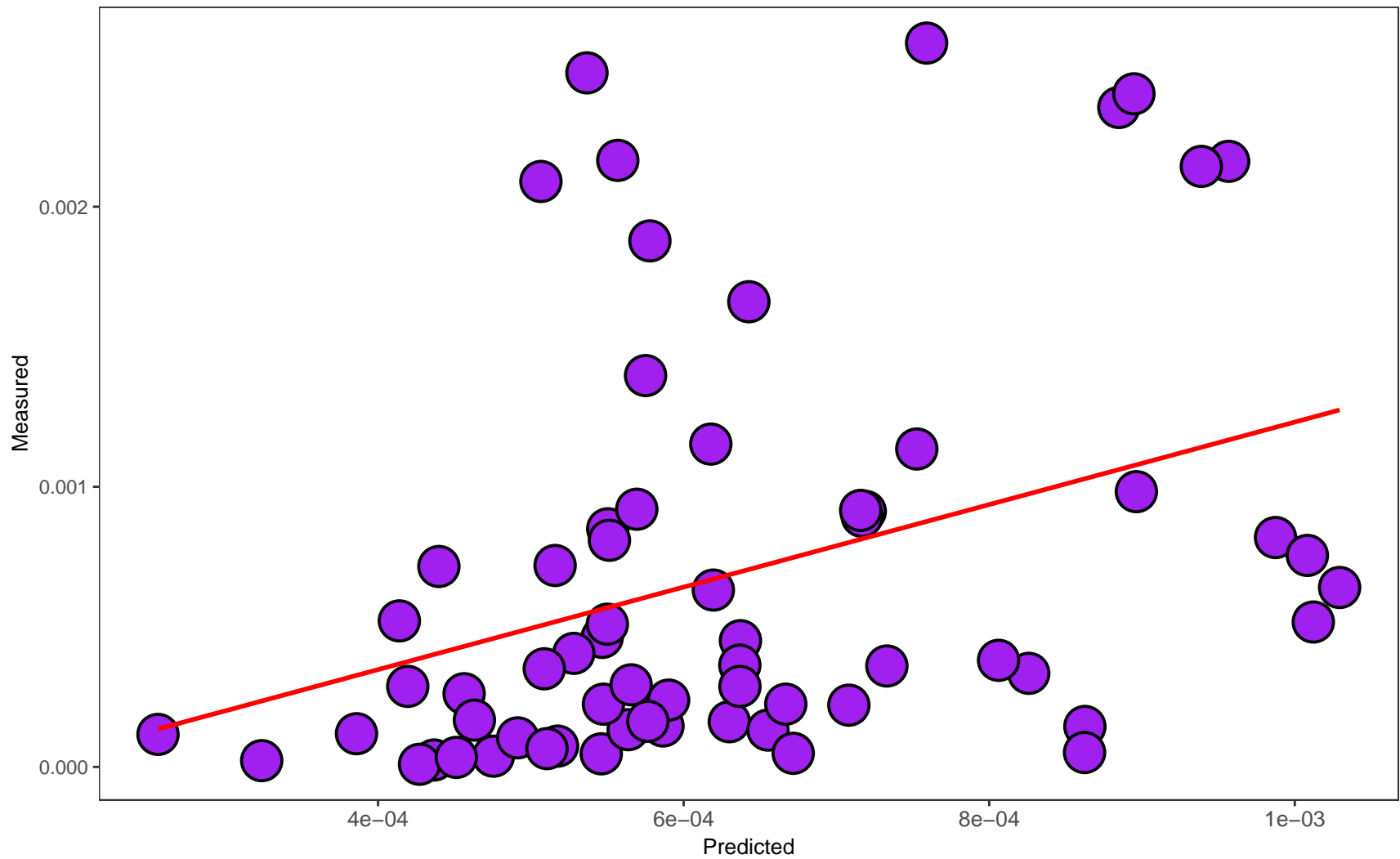
urobilin (C18-neg\_Cluster\_2021): Spearman 0.73



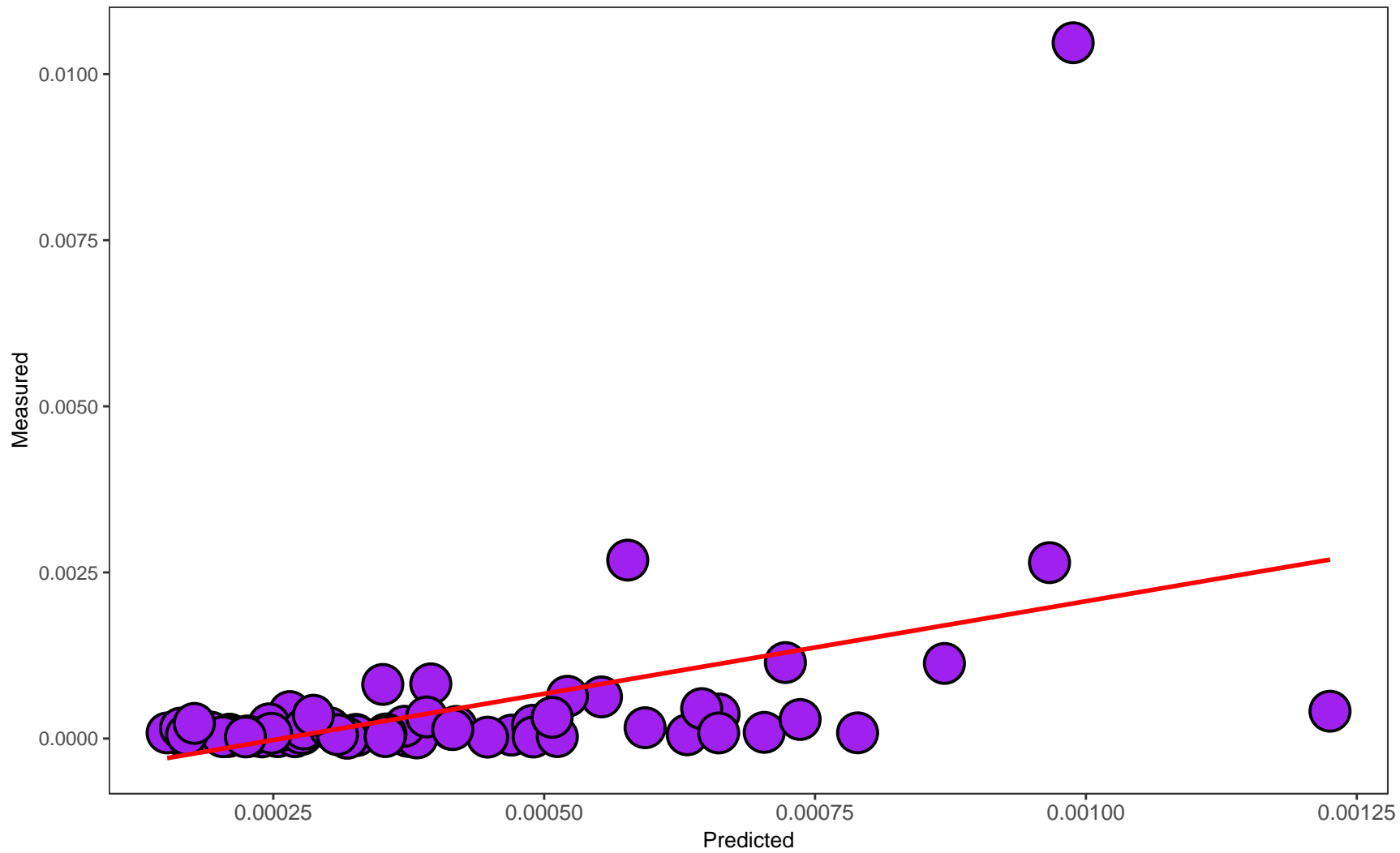
palmitoylethanolamide (C8-pos\_Cluster\_0168): Spearman 0.41



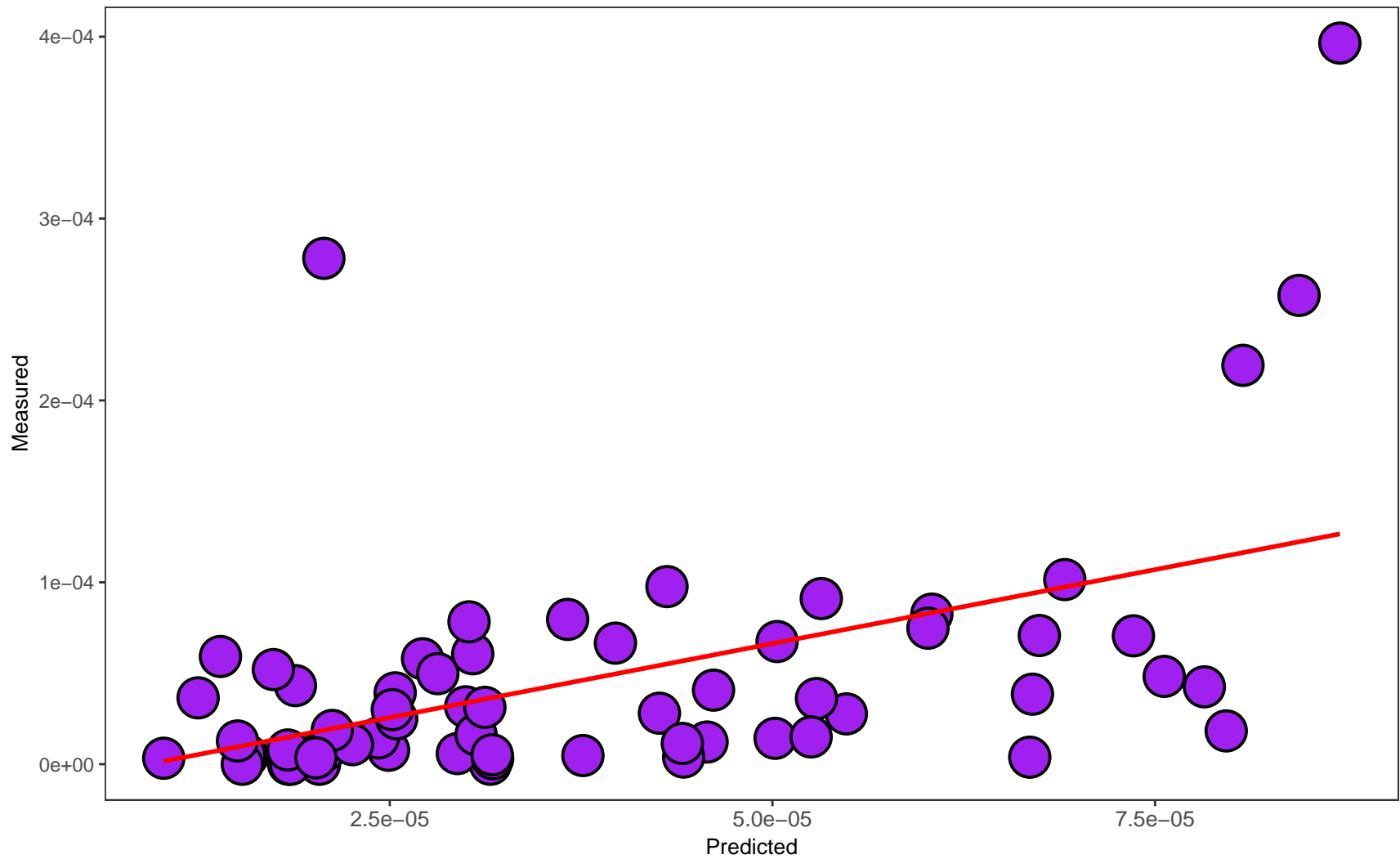
sphingosine (C8-pos\_Cluster\_0253): Spearman 0.44



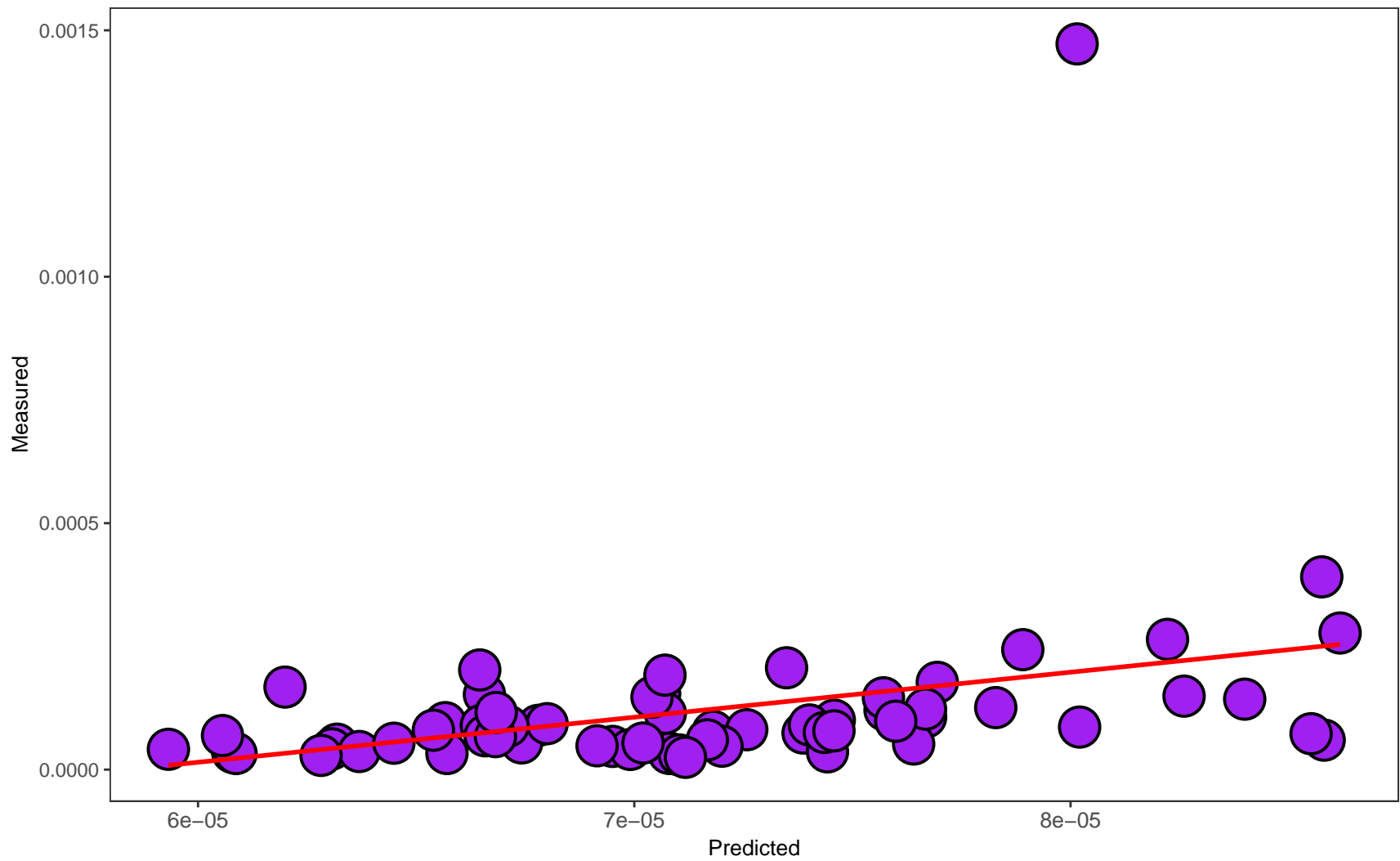
linoleoyl ethanolamide (C8-pos\_Cluster\_0264): Spearman 0.44



stearoyl ethanolamide (C8-pos\_Cluster\_0277): Spearman 0.49

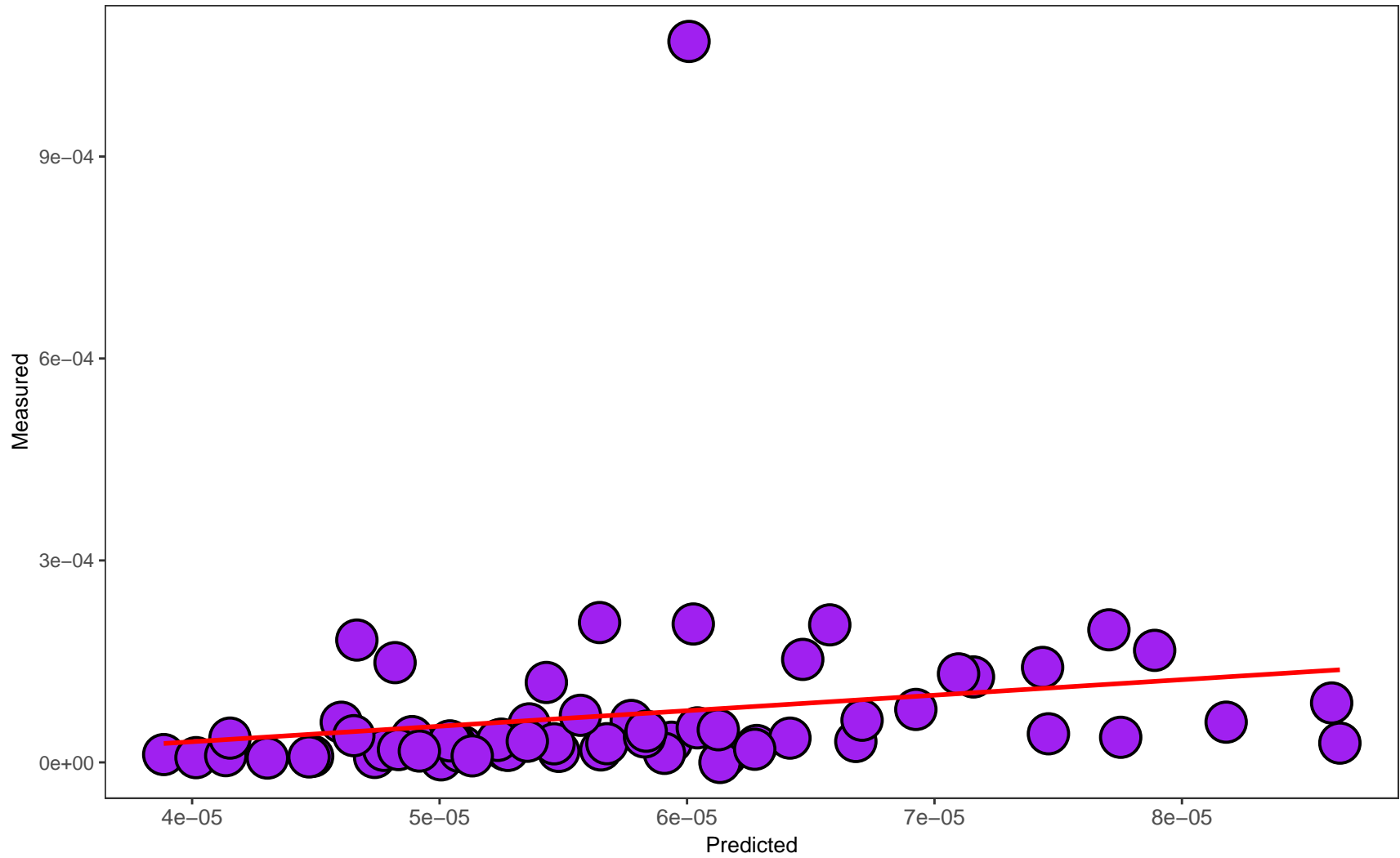


palmitoyl glycerol (C8-pos\_Cluster\_0288): Spearman 0.45

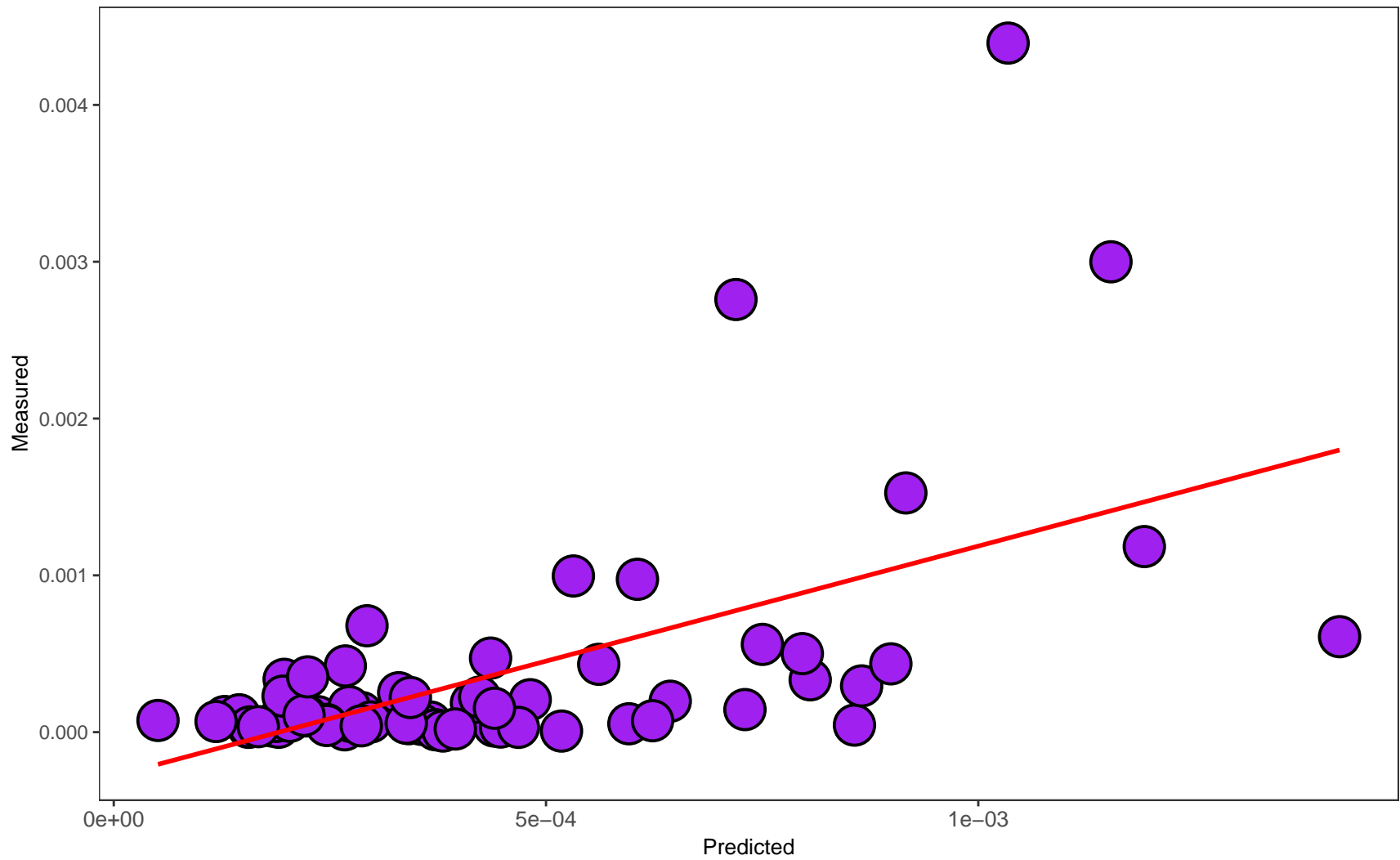




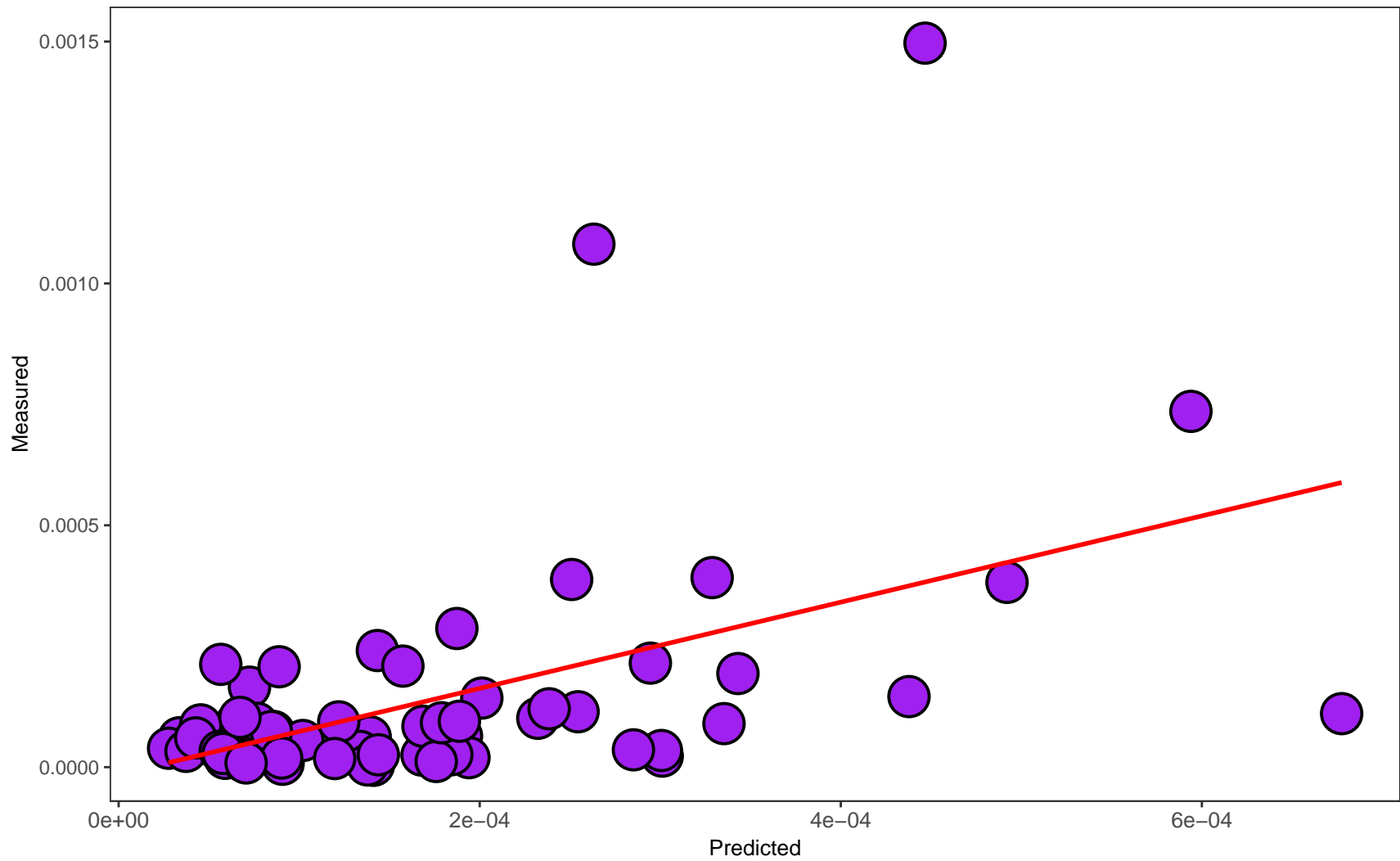
C18:0e MAG (C8-pos\_Cluster\_0338): Spearman 0.5



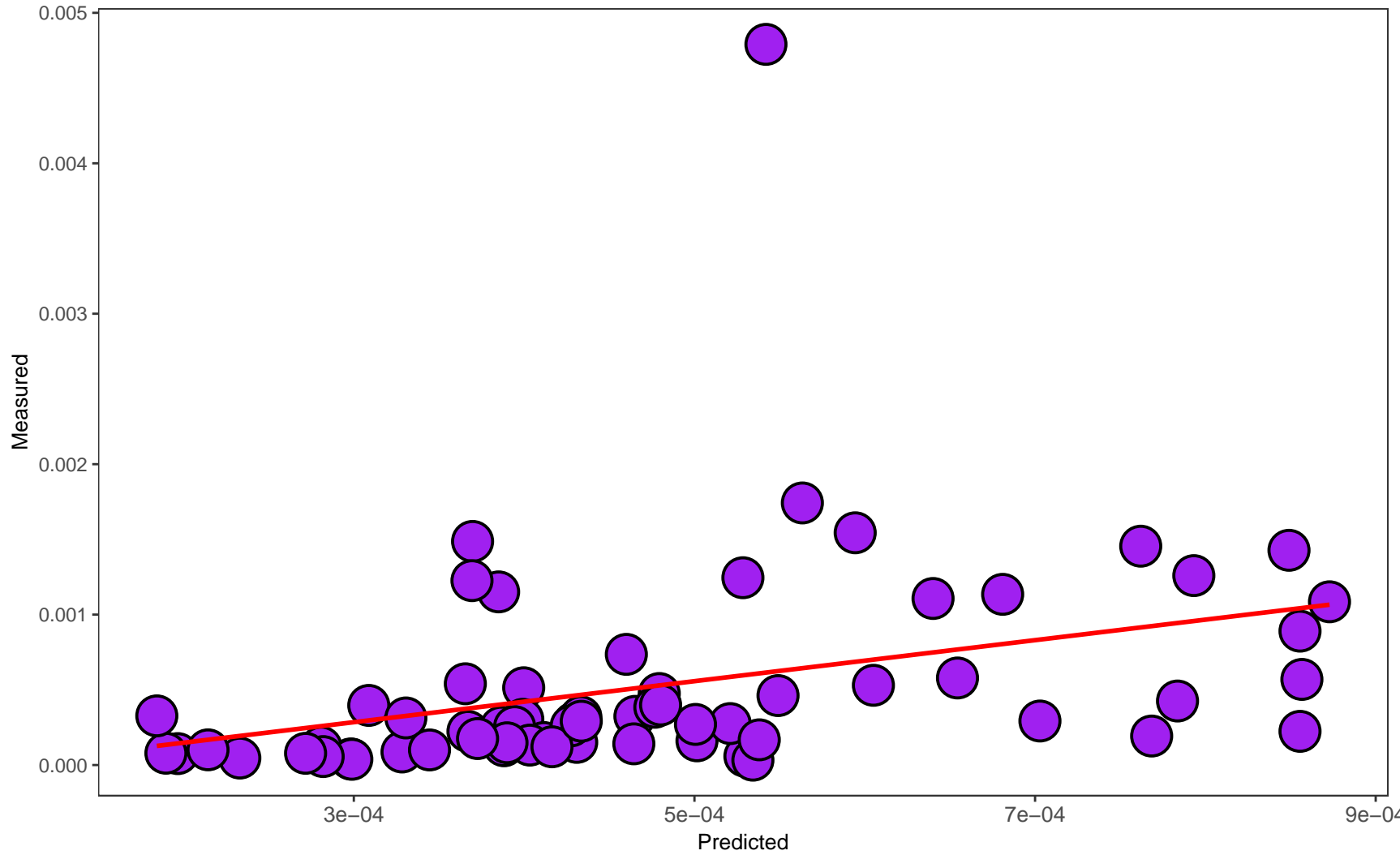
linoleoyl ethanolamide (C8-pos\_Cluster\_0339): Spearman 0.45



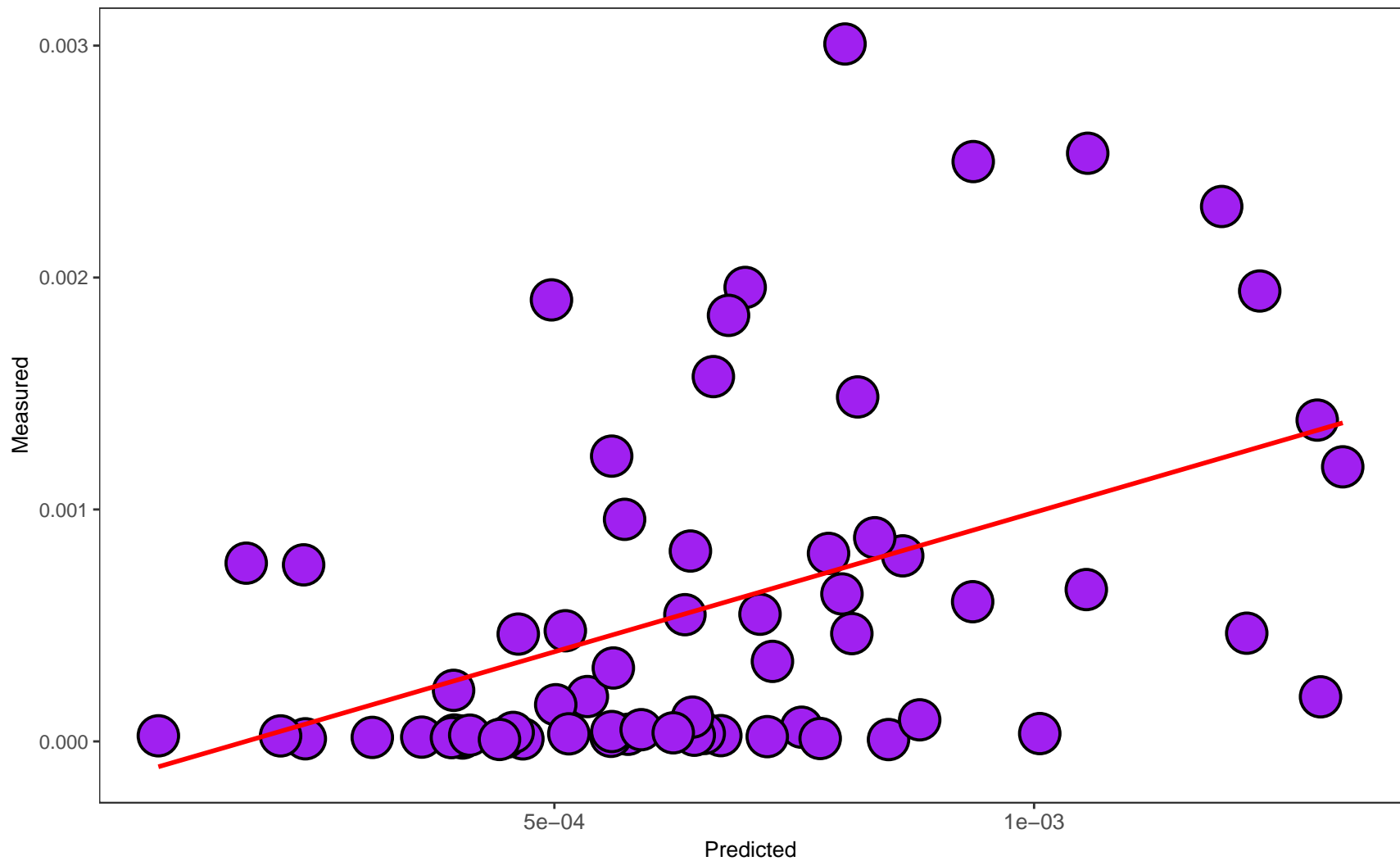
N-oleoylethanolamine (C8-pos\_Cluster\_0341): Spearman 0.42



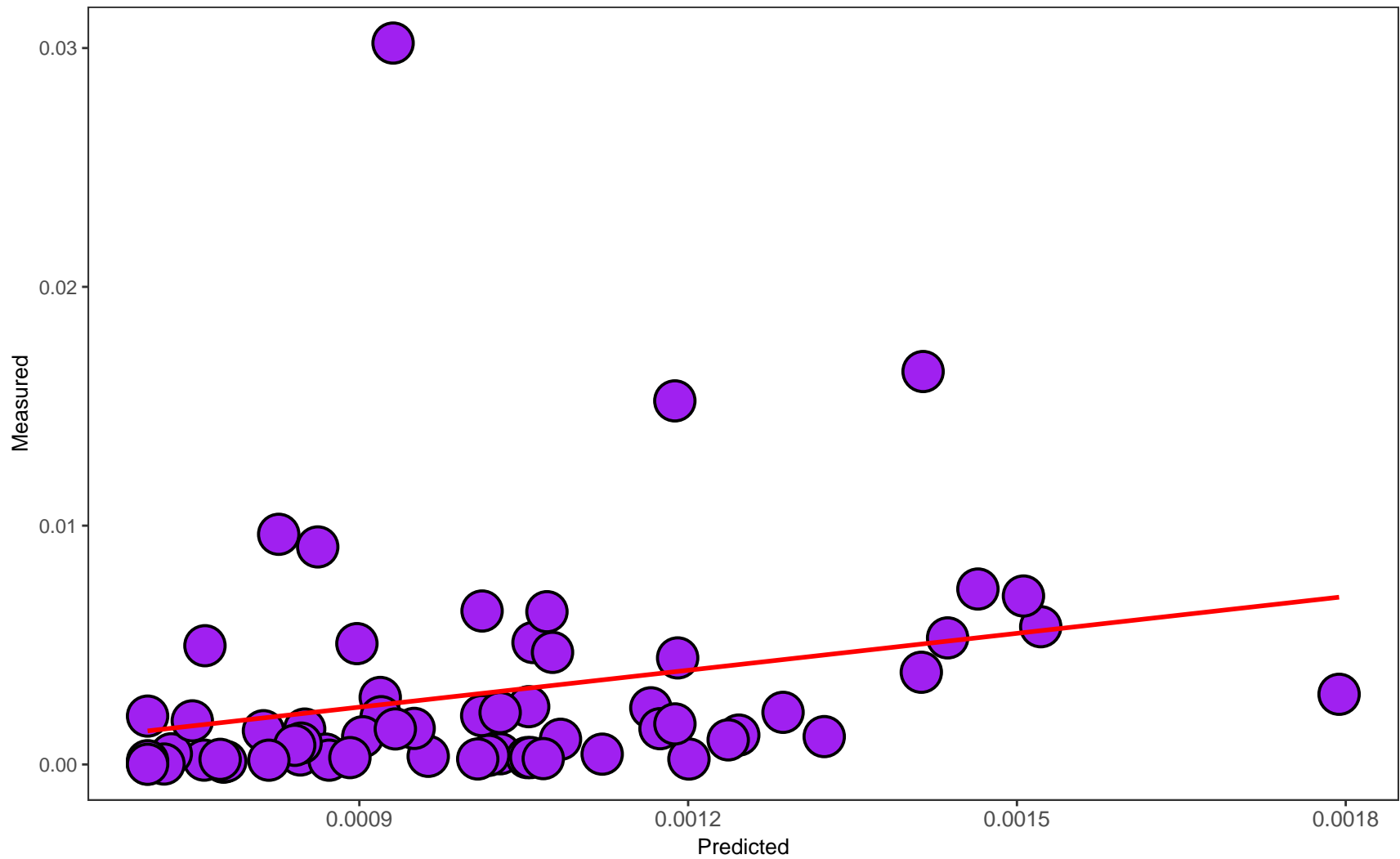
C18:0e MAG (C8-pos\_Cluster\_0410): Spearman 0.55



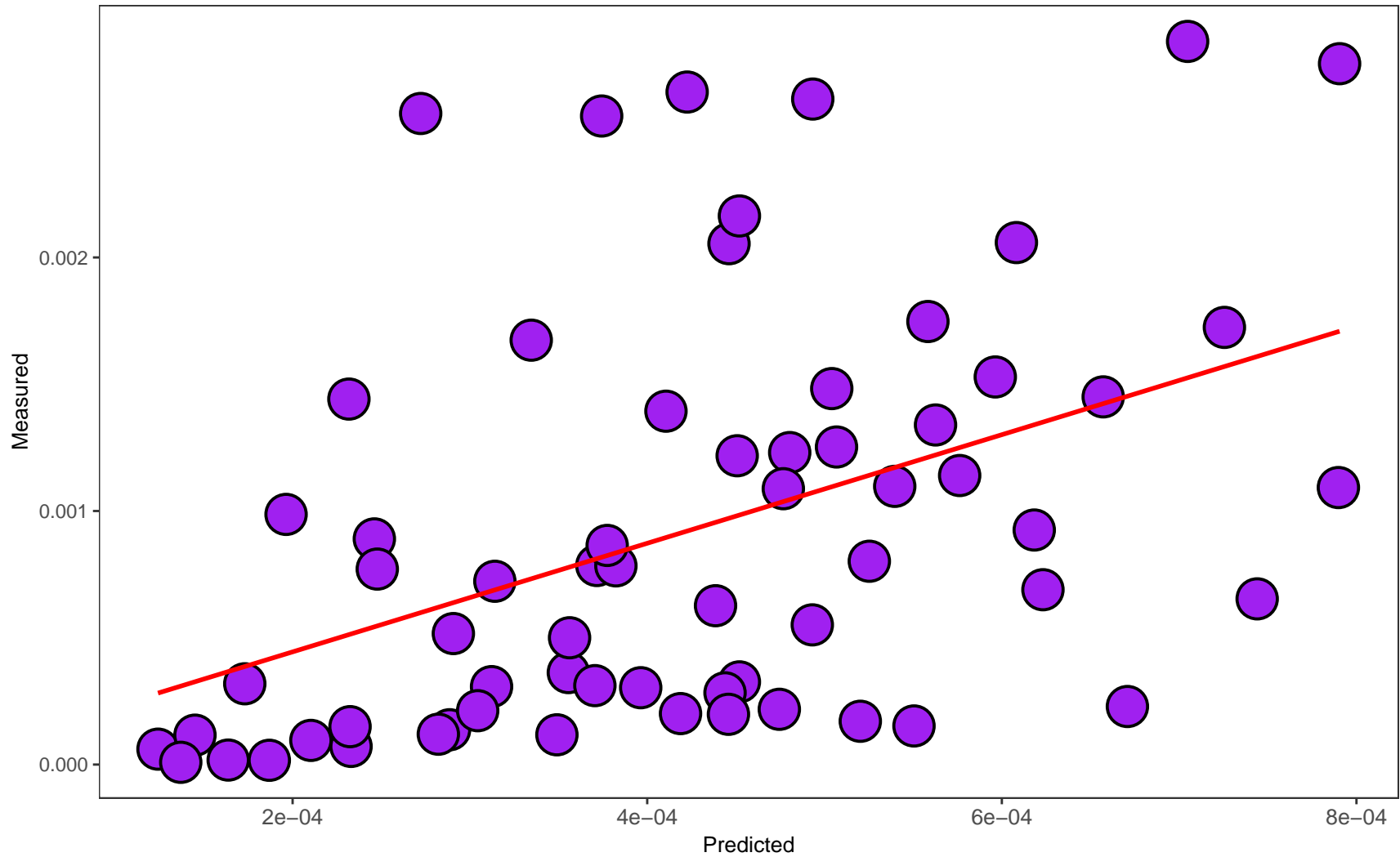
cholesterol (C8-pos\_Cluster\_0416): Spearman 0.51



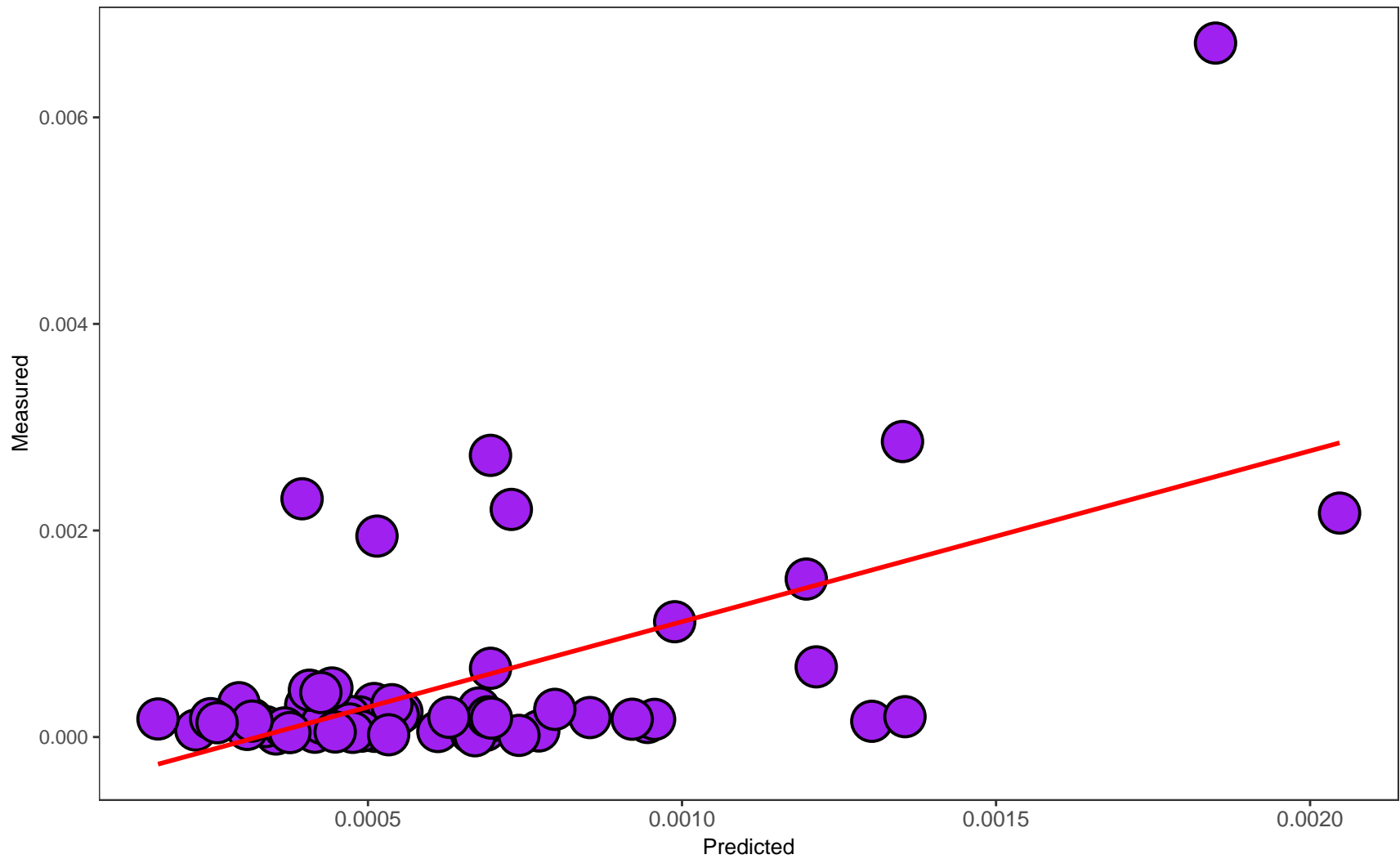
cholestenone (C8-pos\_Cluster\_0478): Spearman 0.52



cholestenone (C8-pos\_Cluster\_0554): Spearman 0.53

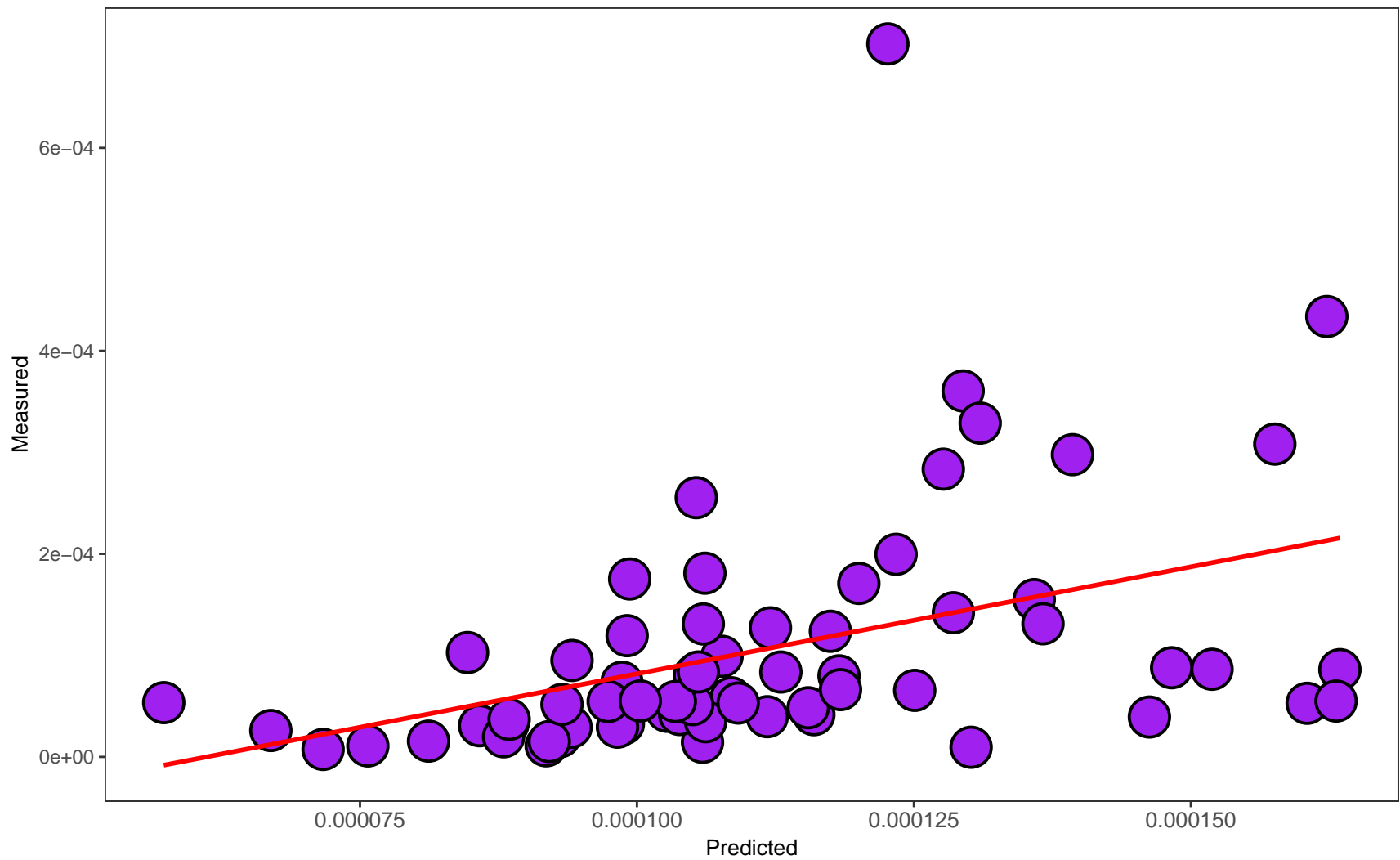


C16:0 LPC (C8-pos\_Cluster\_0878): Spearman 0.31

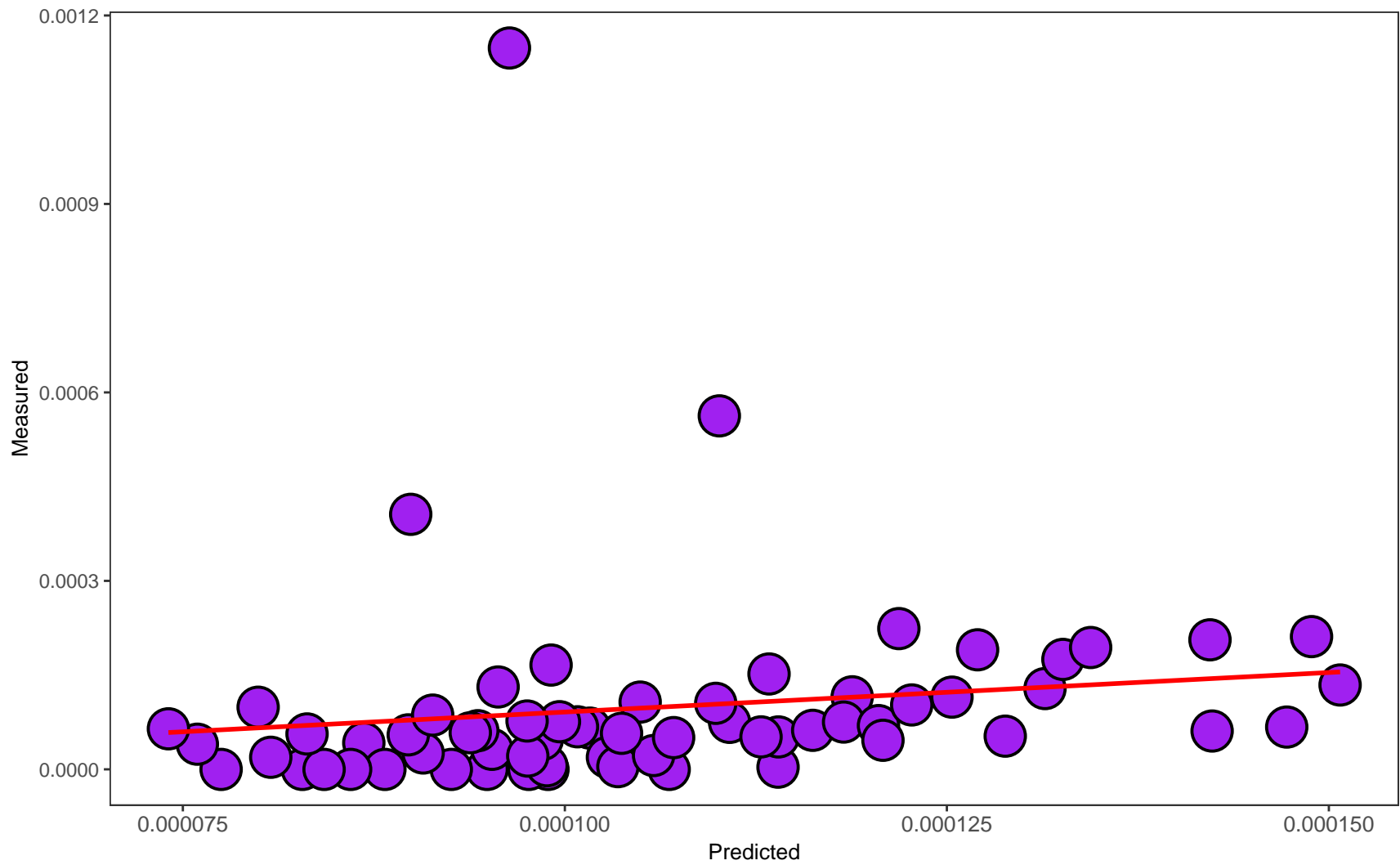




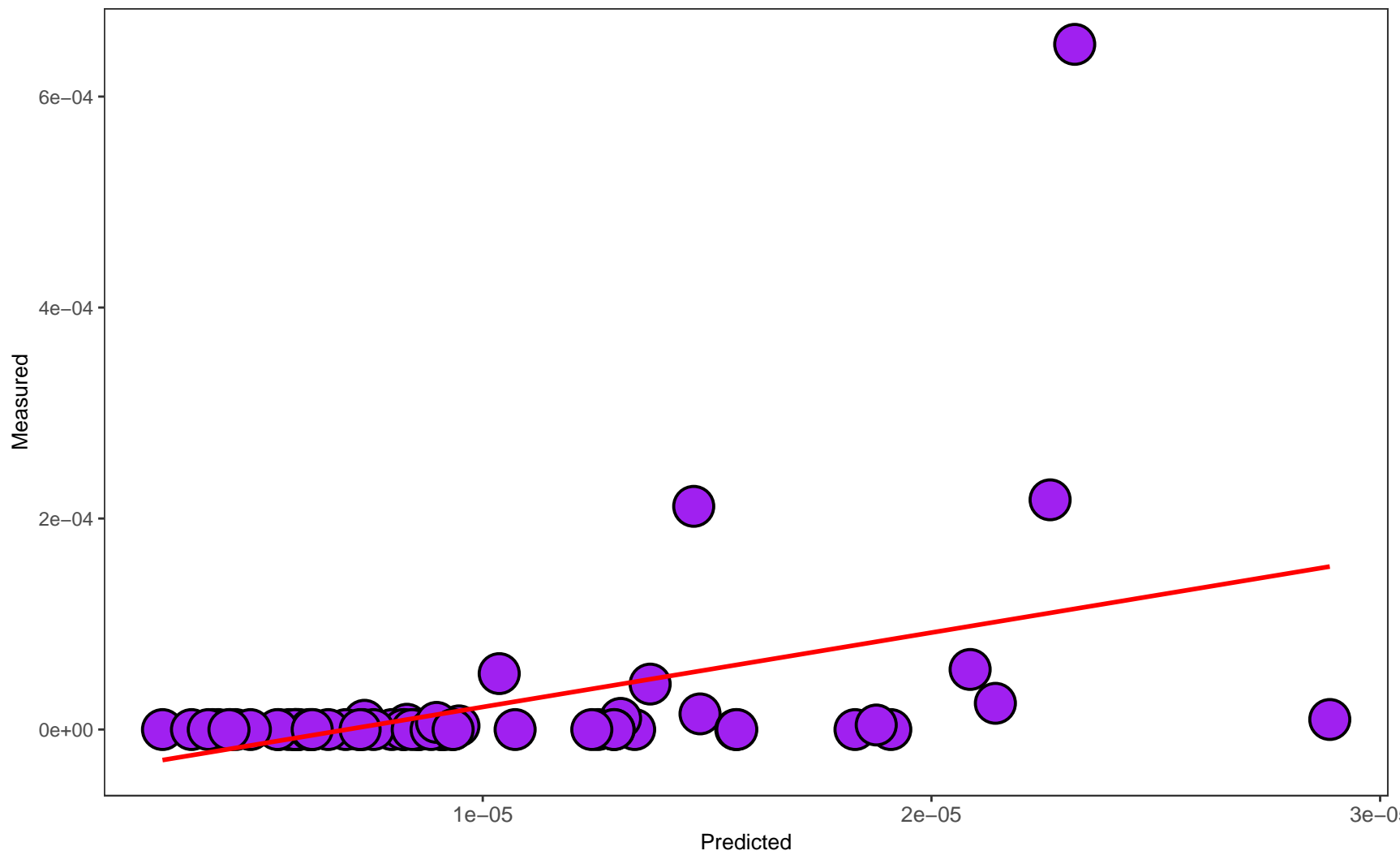
C16:0 ceramide (d18:1) (C8-pos\_Cluster\_1004): Spearman 0.58



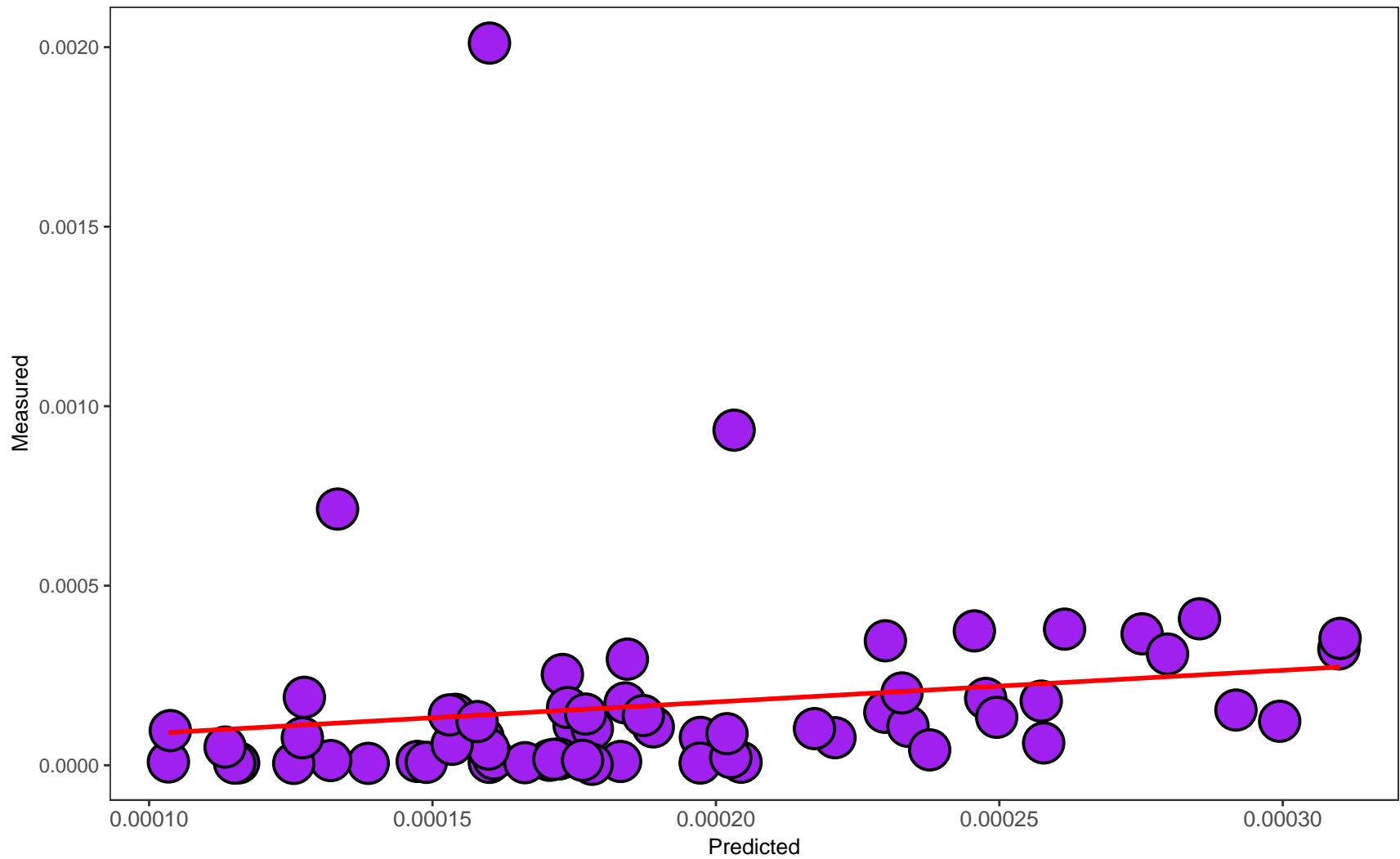
C18:1 CE (C8-pos\_Cluster\_1490): Spearman 0.49



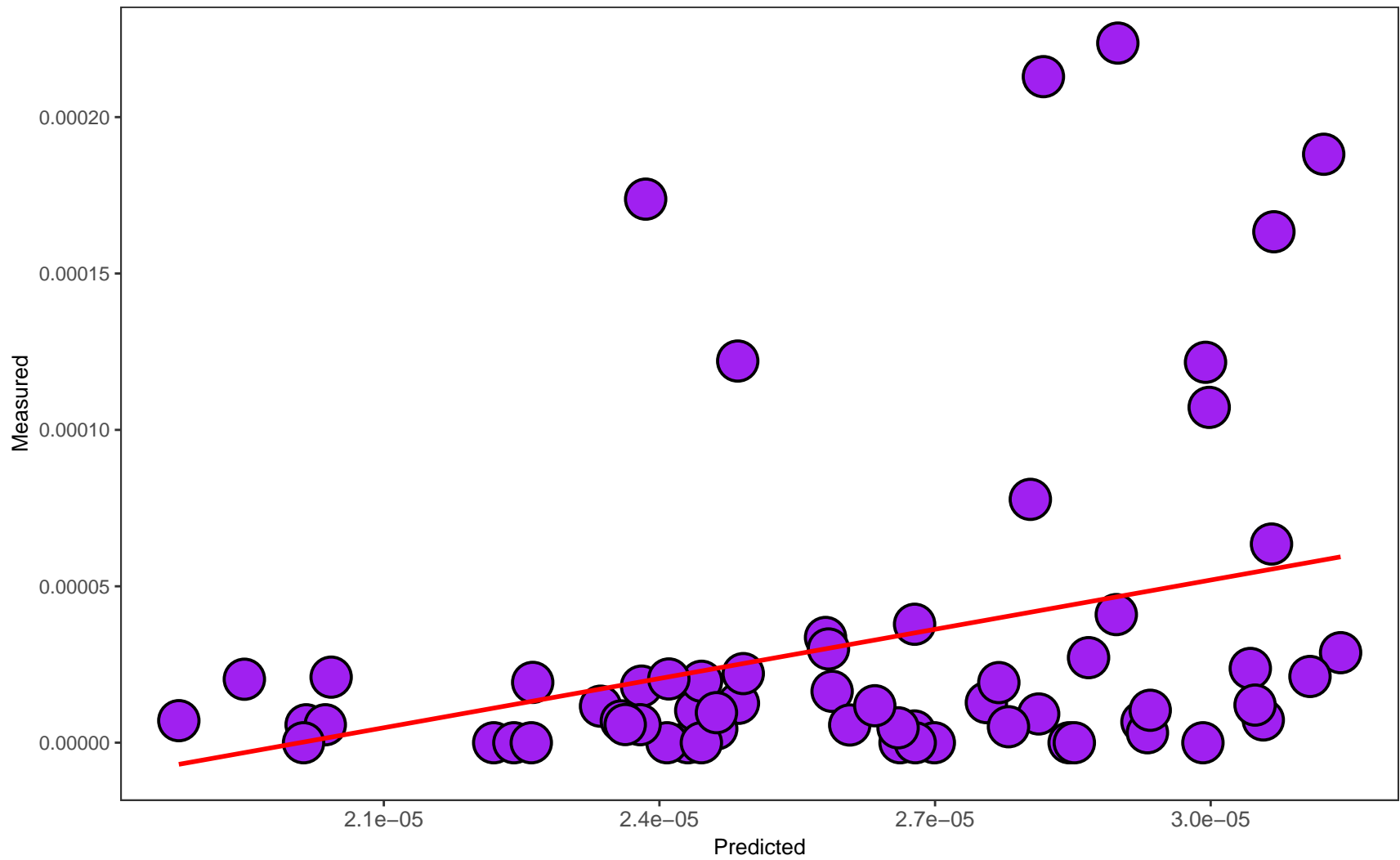
linoleoyl ethanolamide (C8-pos\_Cluster\_1495): Spearman 0.56



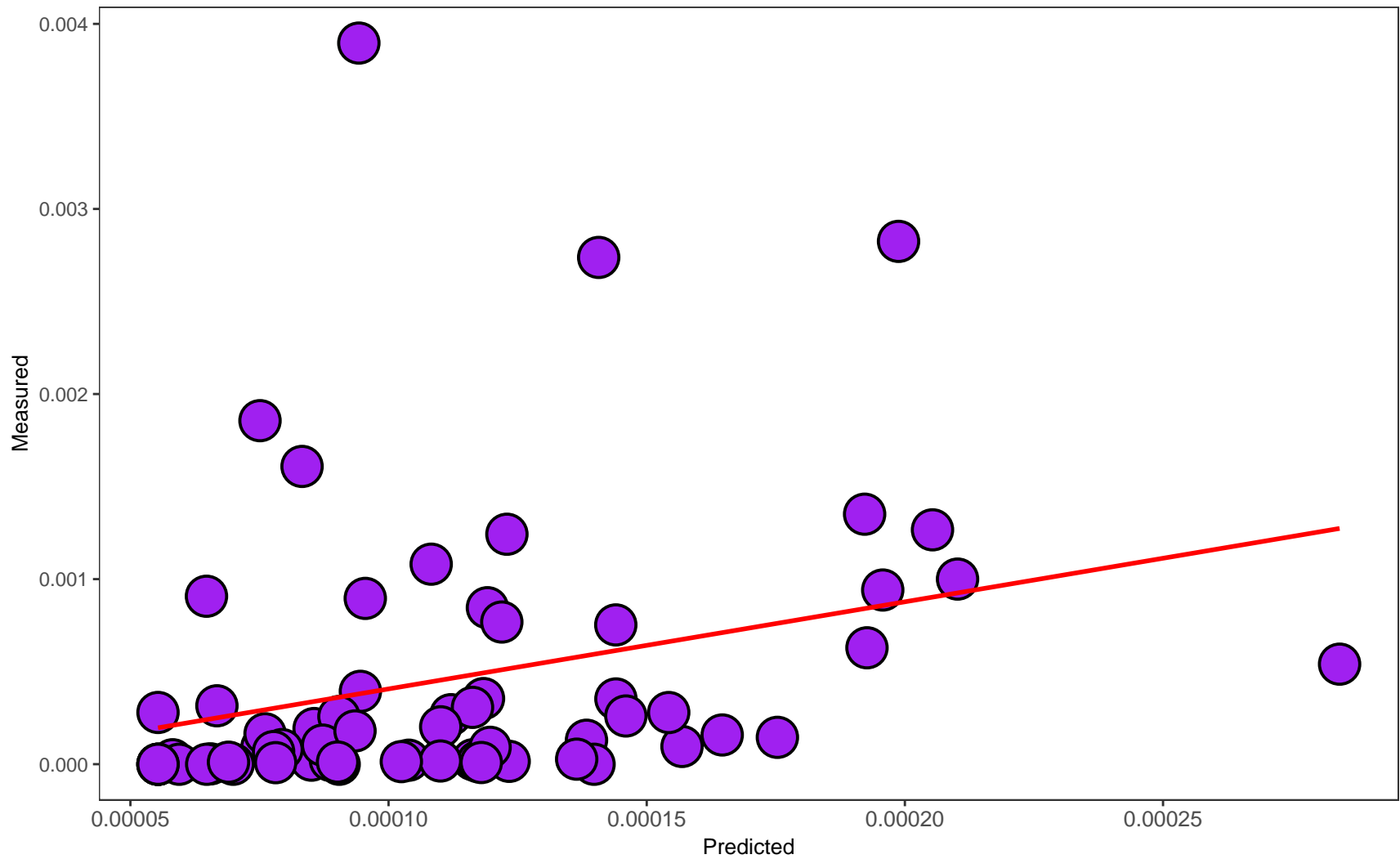
C18:1 CE (C8-pos\_Cluster\_1514): Spearman 0.51



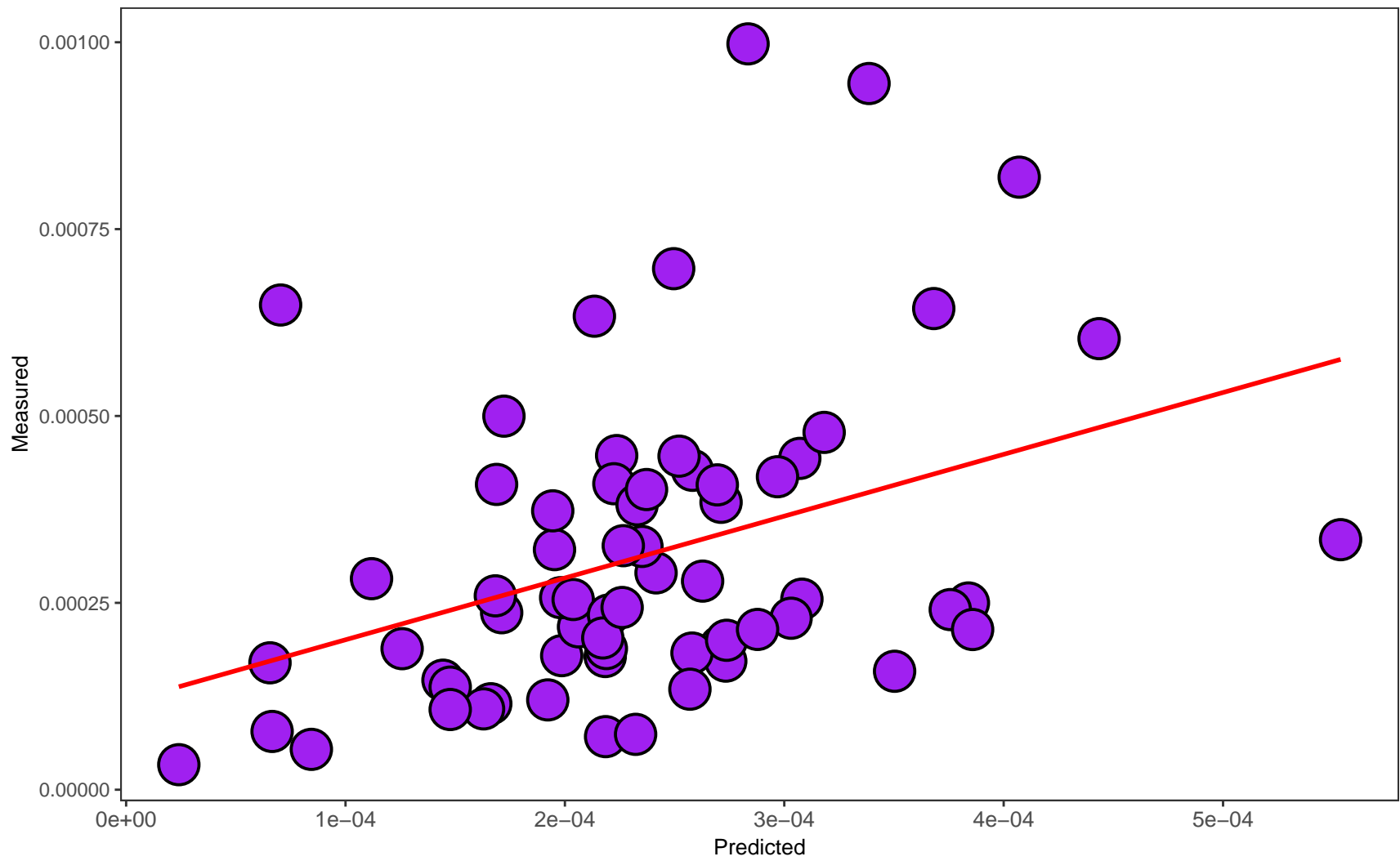
C18:0 SM (C8-pos\_Cluster\_1758): Spearman 0.33



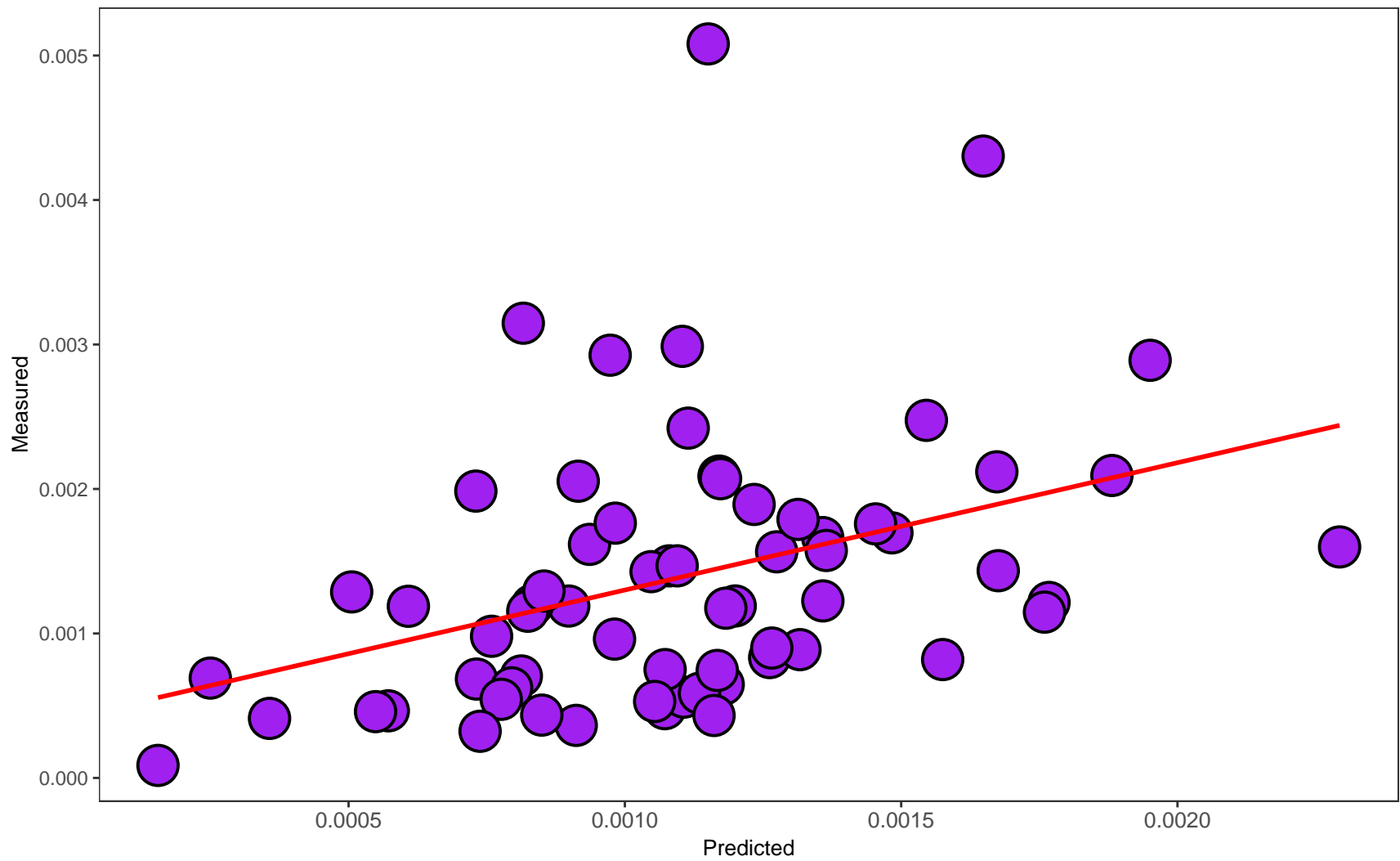
cholestenone (C8-pos\_Cluster\_1900): Spearman 0.49



propionate (HILIC-neg\_Cluster\_0003): Spearman 0.42

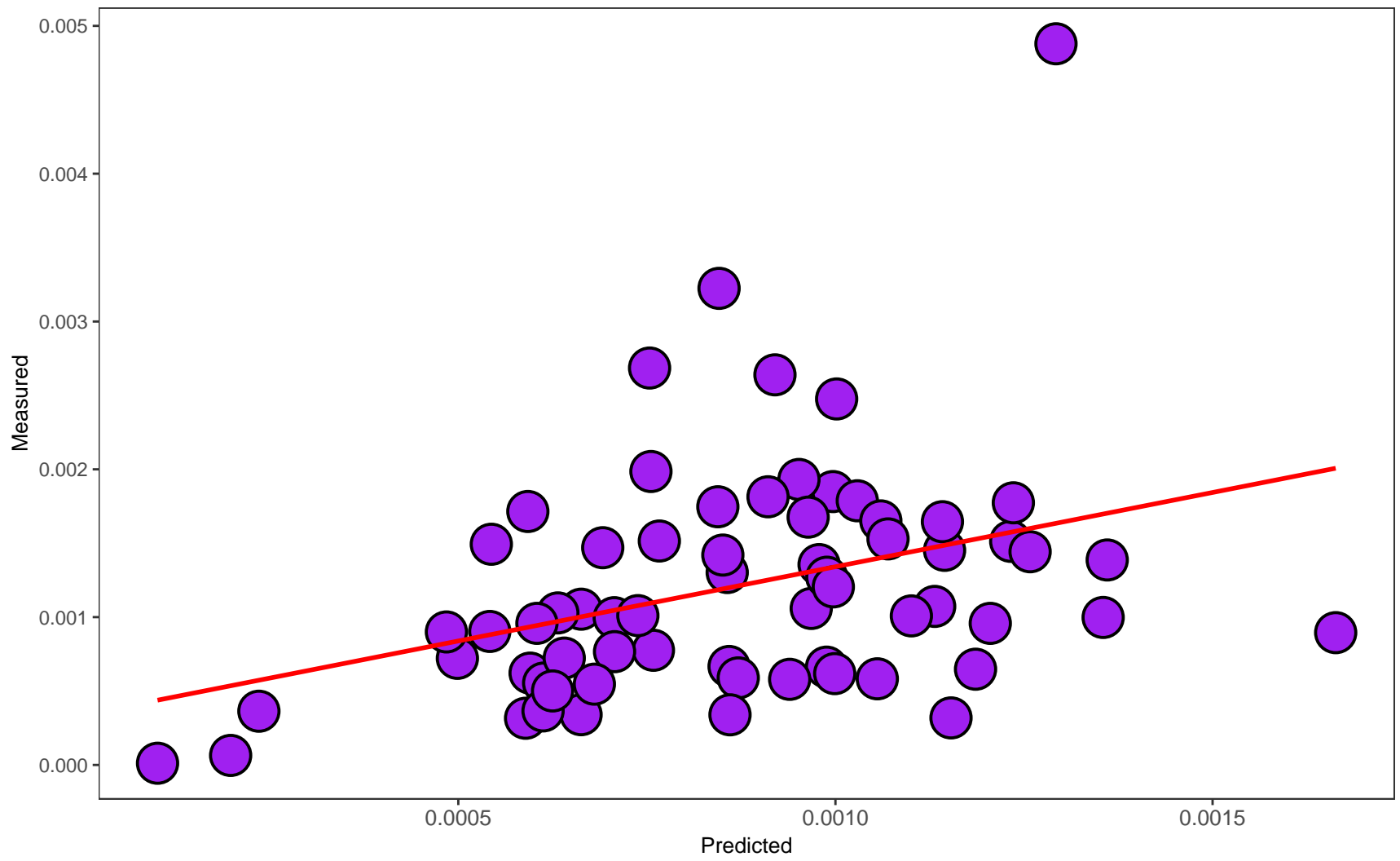


butyrate / isobutyrate\* (HILIC-neg\_Cluster\_0013): Spearman 0.46

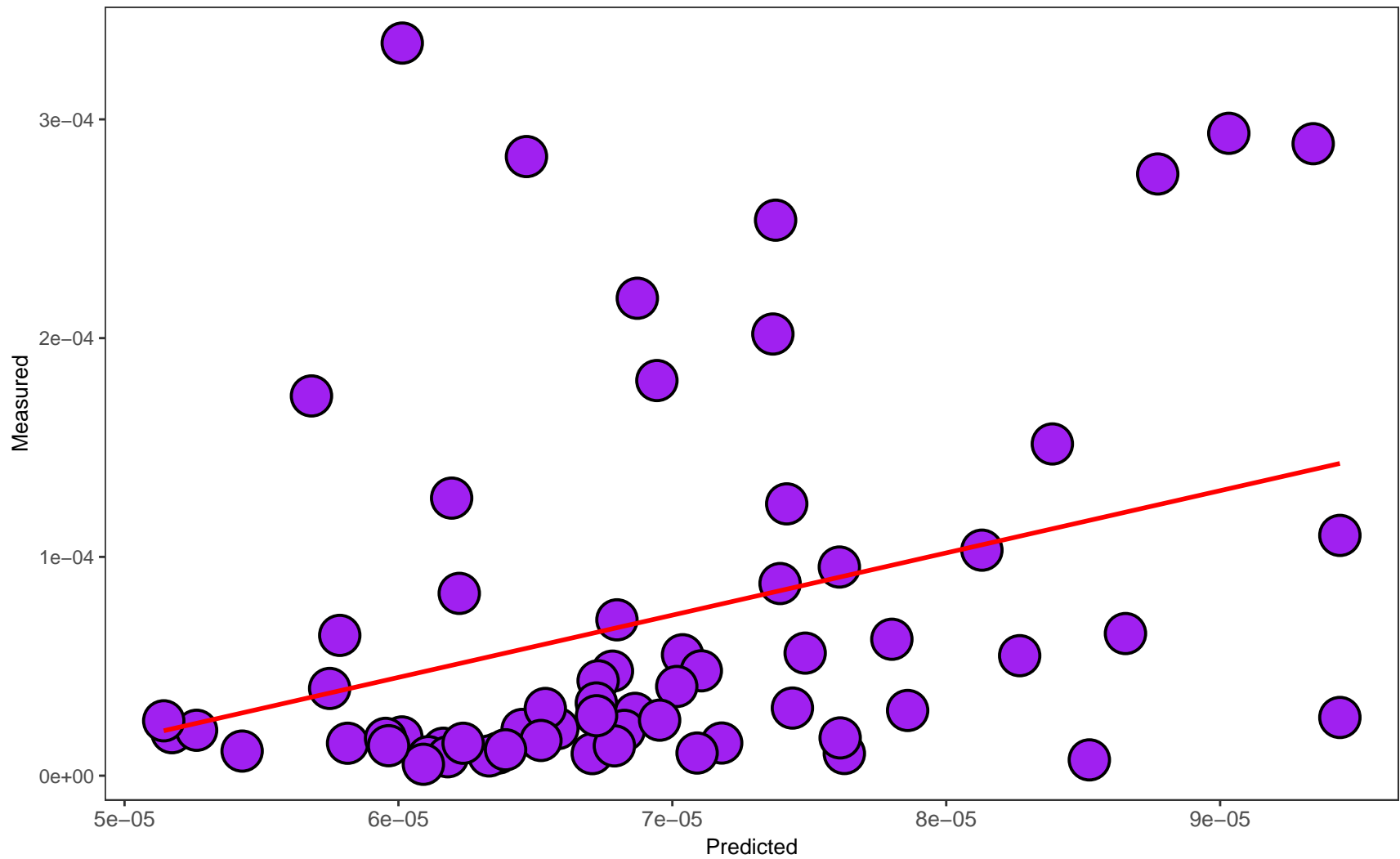




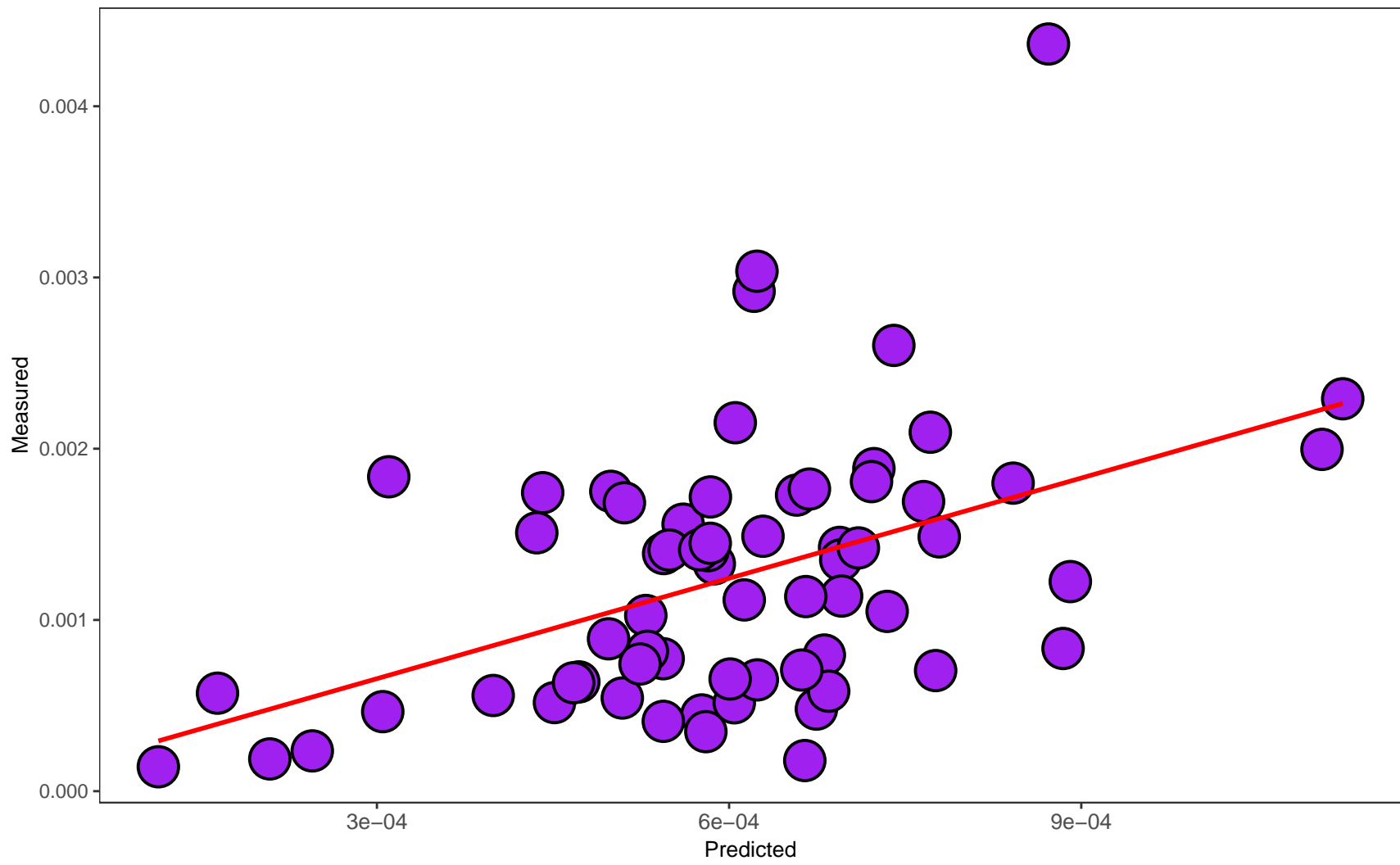
methylbutyric acid / valeric / isovaleric\* (HILIC-neg\_Cluster\_0030): Spearman 0.37



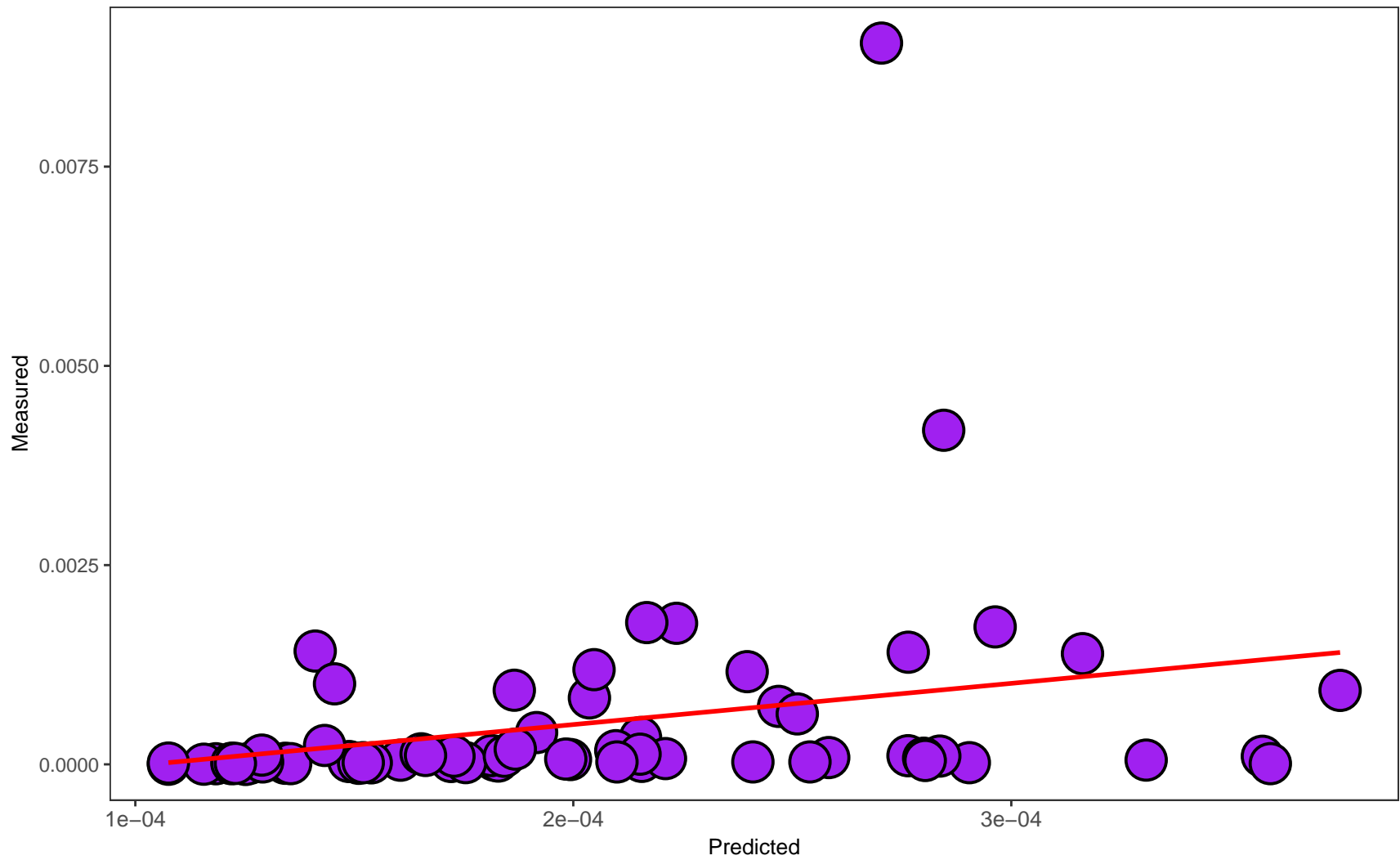
malonate (HILIC-neg\_Cluster\_0033): Spearman 0.39



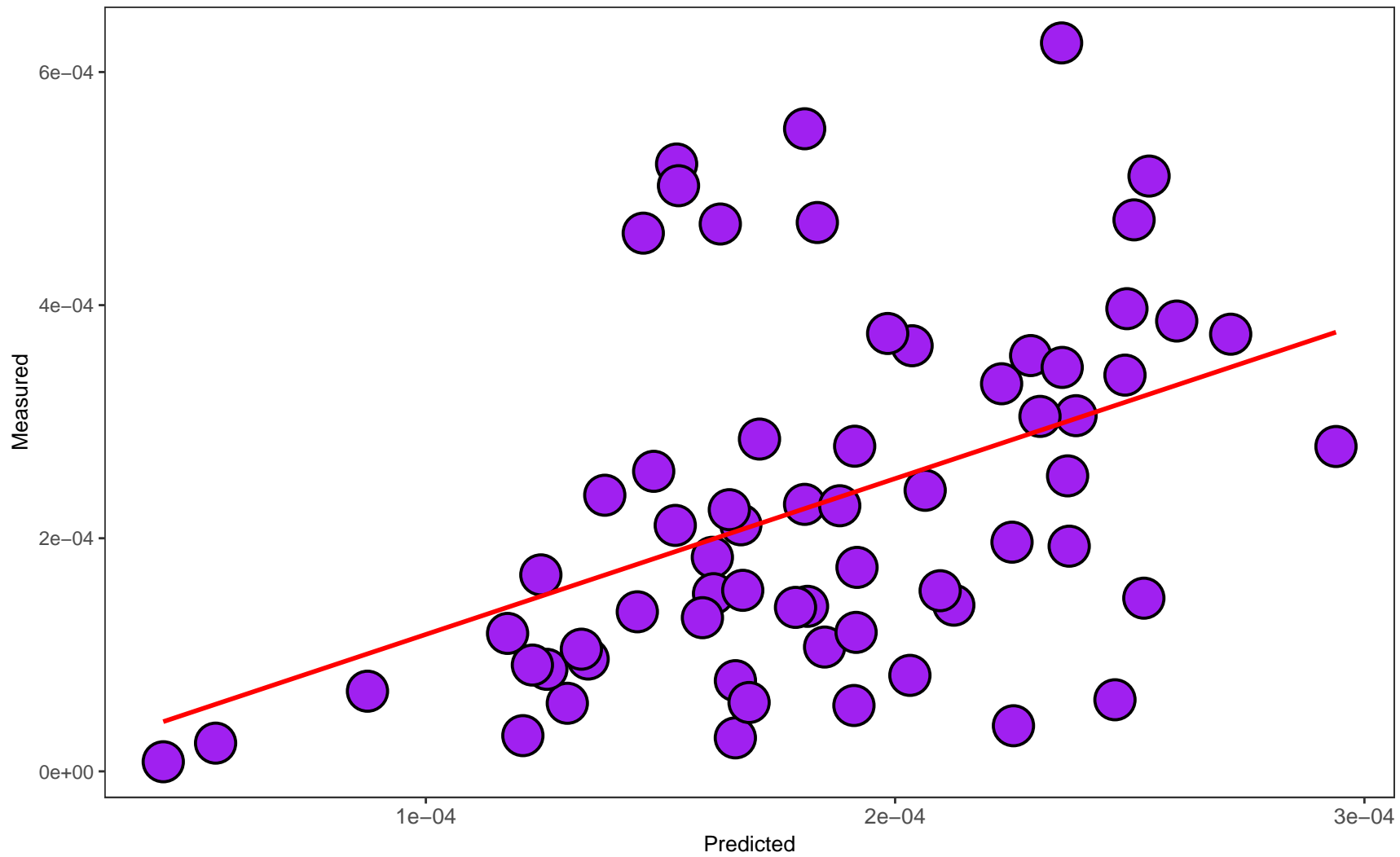
uracil (HILIC-neg\_Cluster\_0049): Spearman 0.45



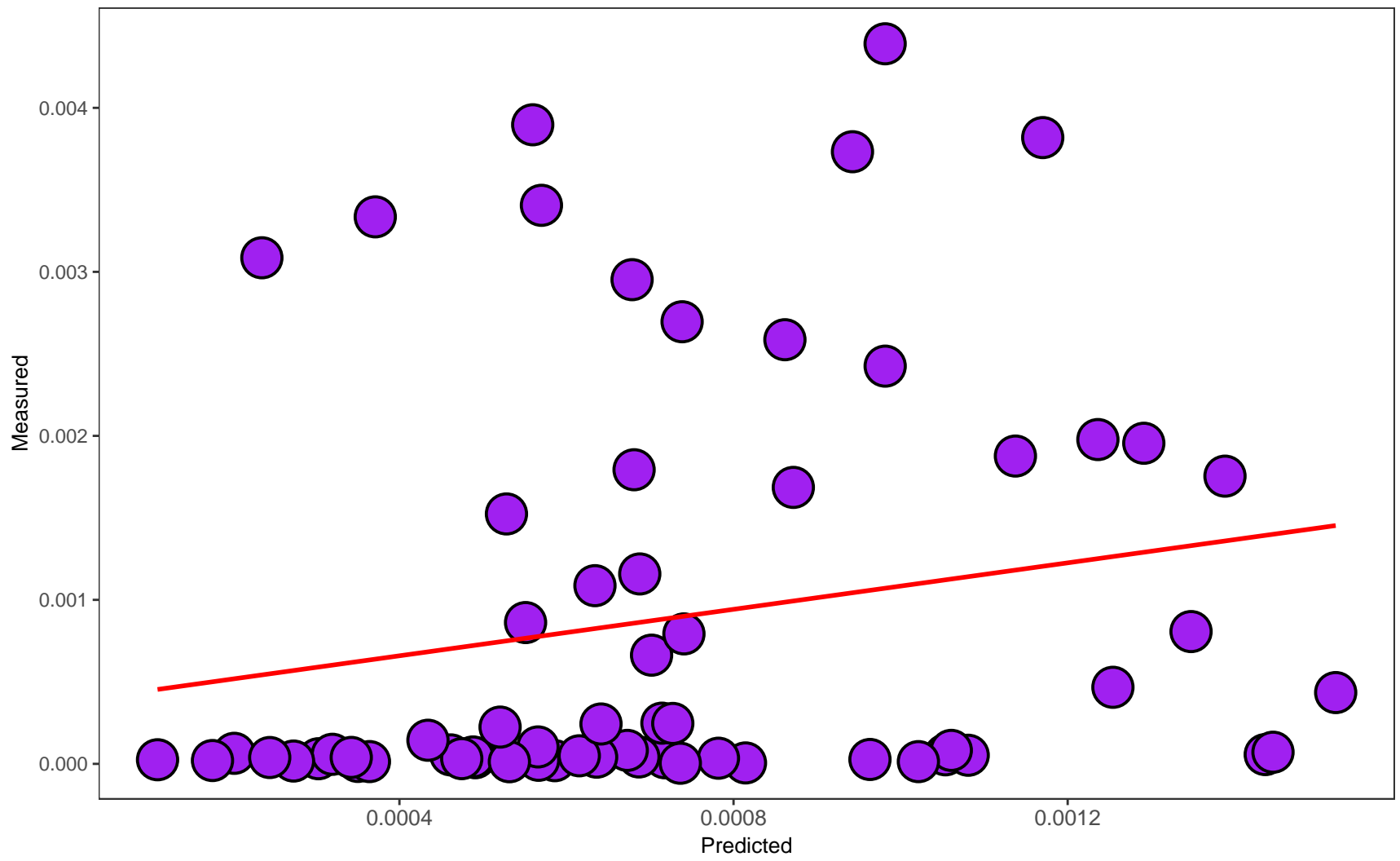
caproic acid (HILIC-neg\_Cluster\_0064): Spearman 0.51



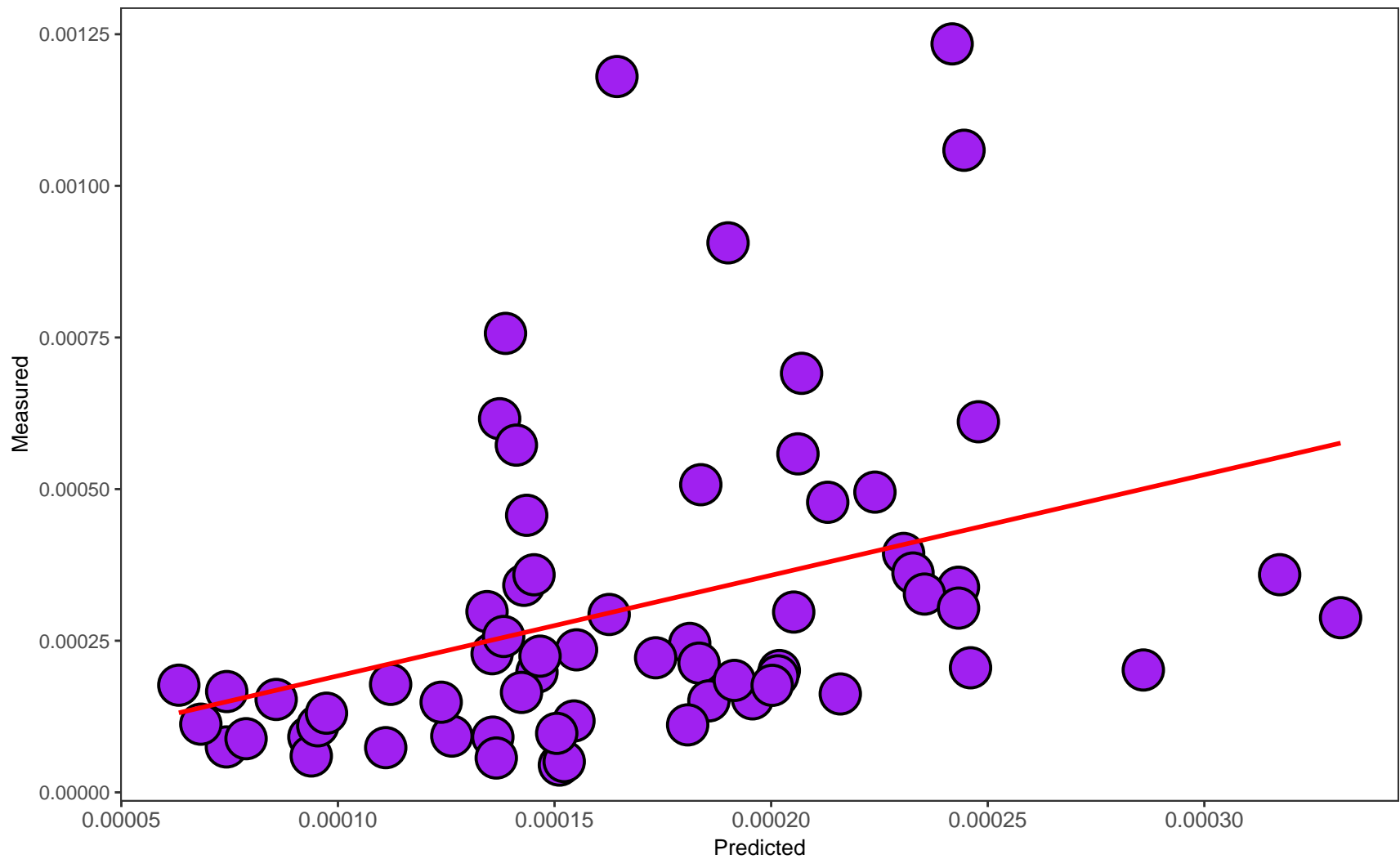
nicotinate (HILIC-neg\_Cluster\_0082): Spearman 0.46



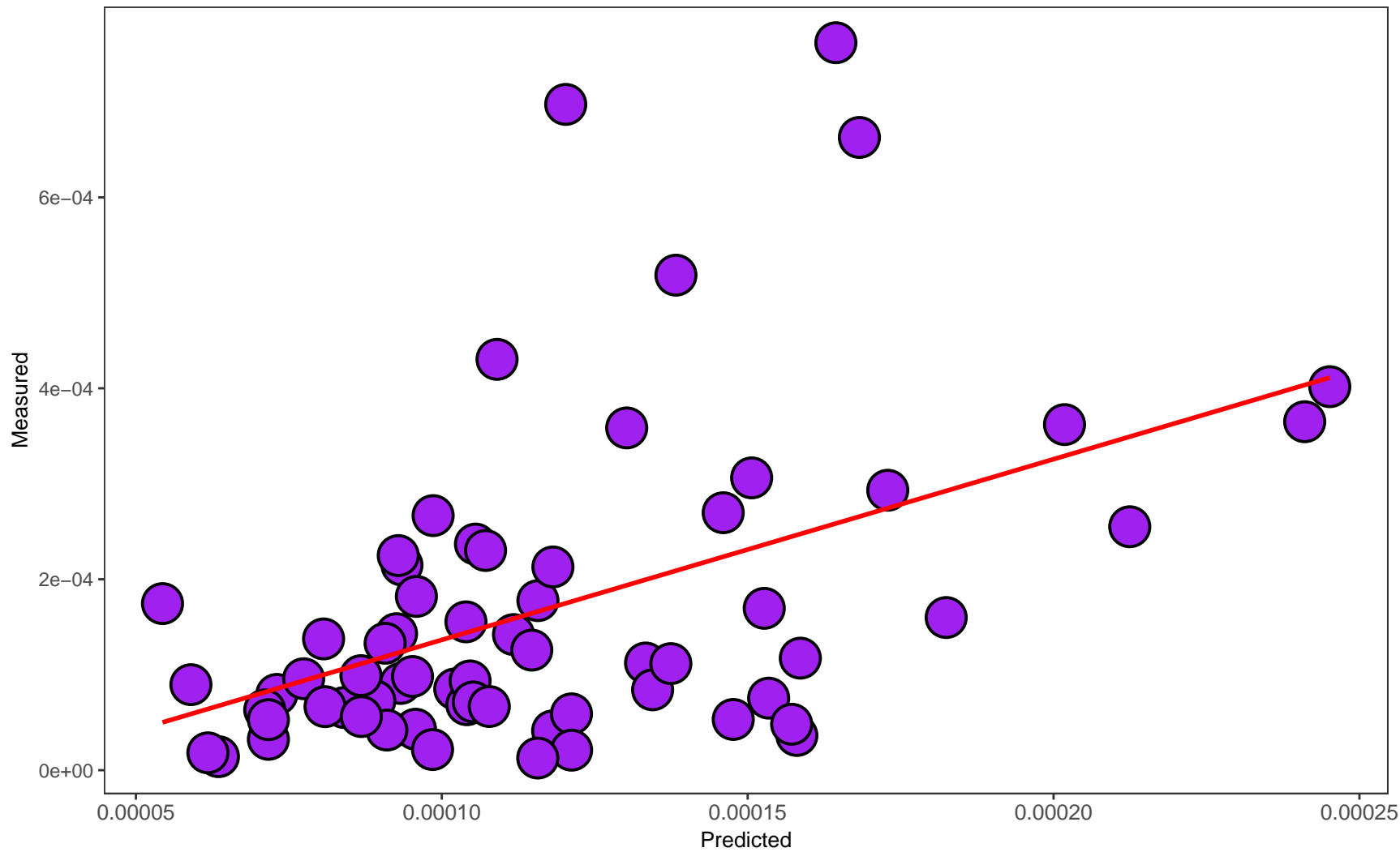
taurine (HILIC-neg\_Cluster\_0085): Spearman 0.34



thymine (HILIC-neg\_Cluster\_0087): Spearman 0.54

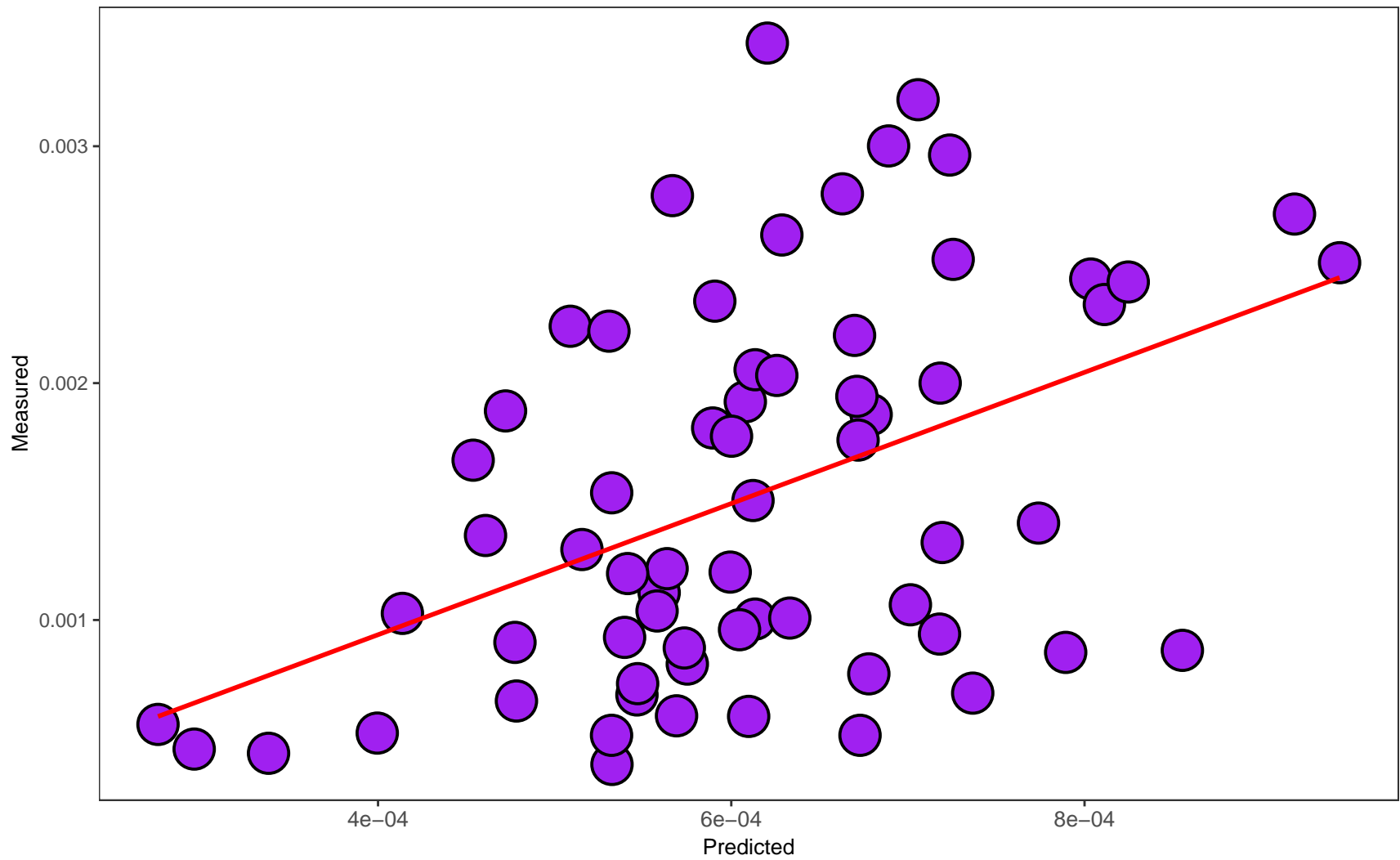


erythronic acid (HILIC-neg\_Cluster\_0122): Spearman 0.44

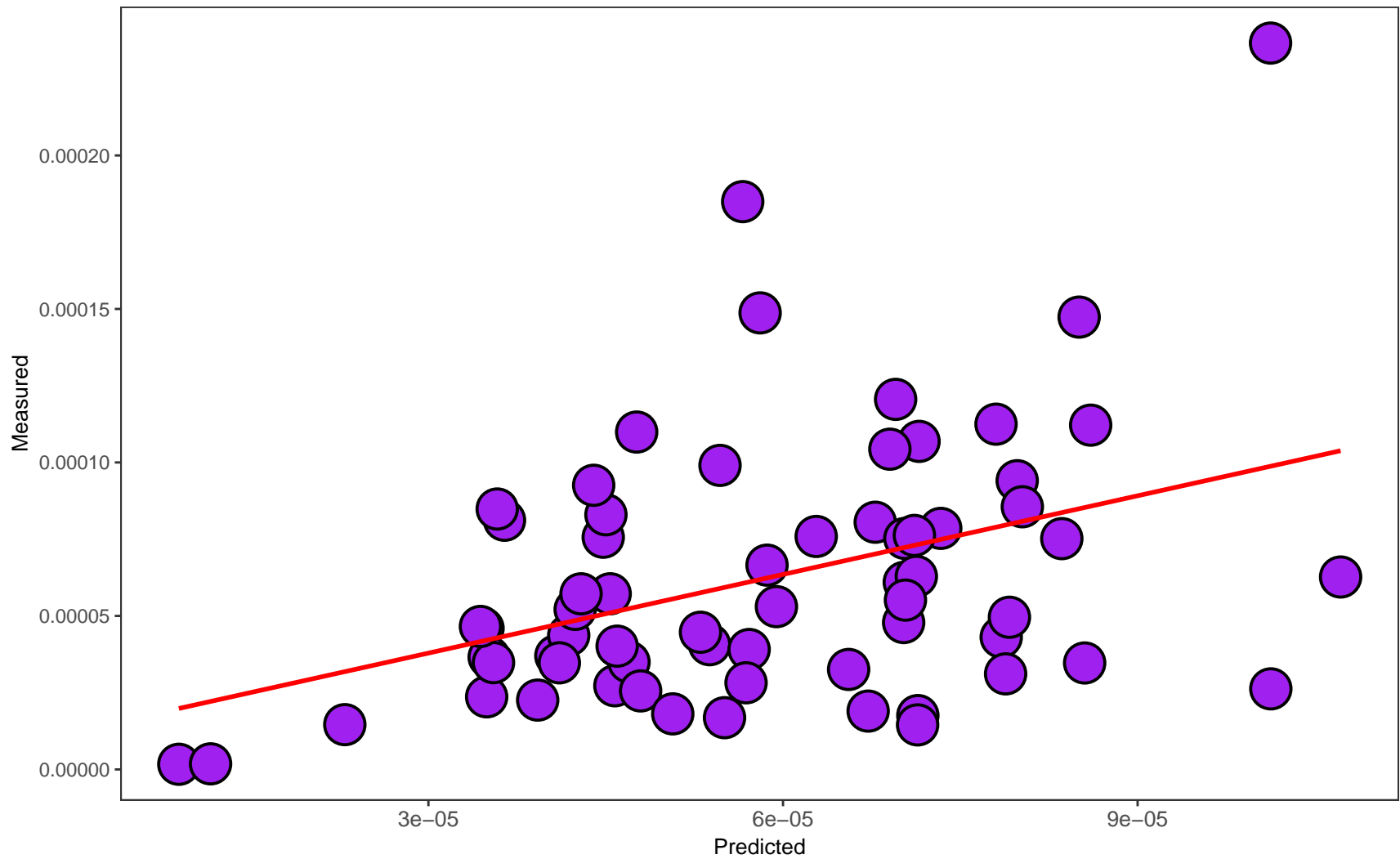




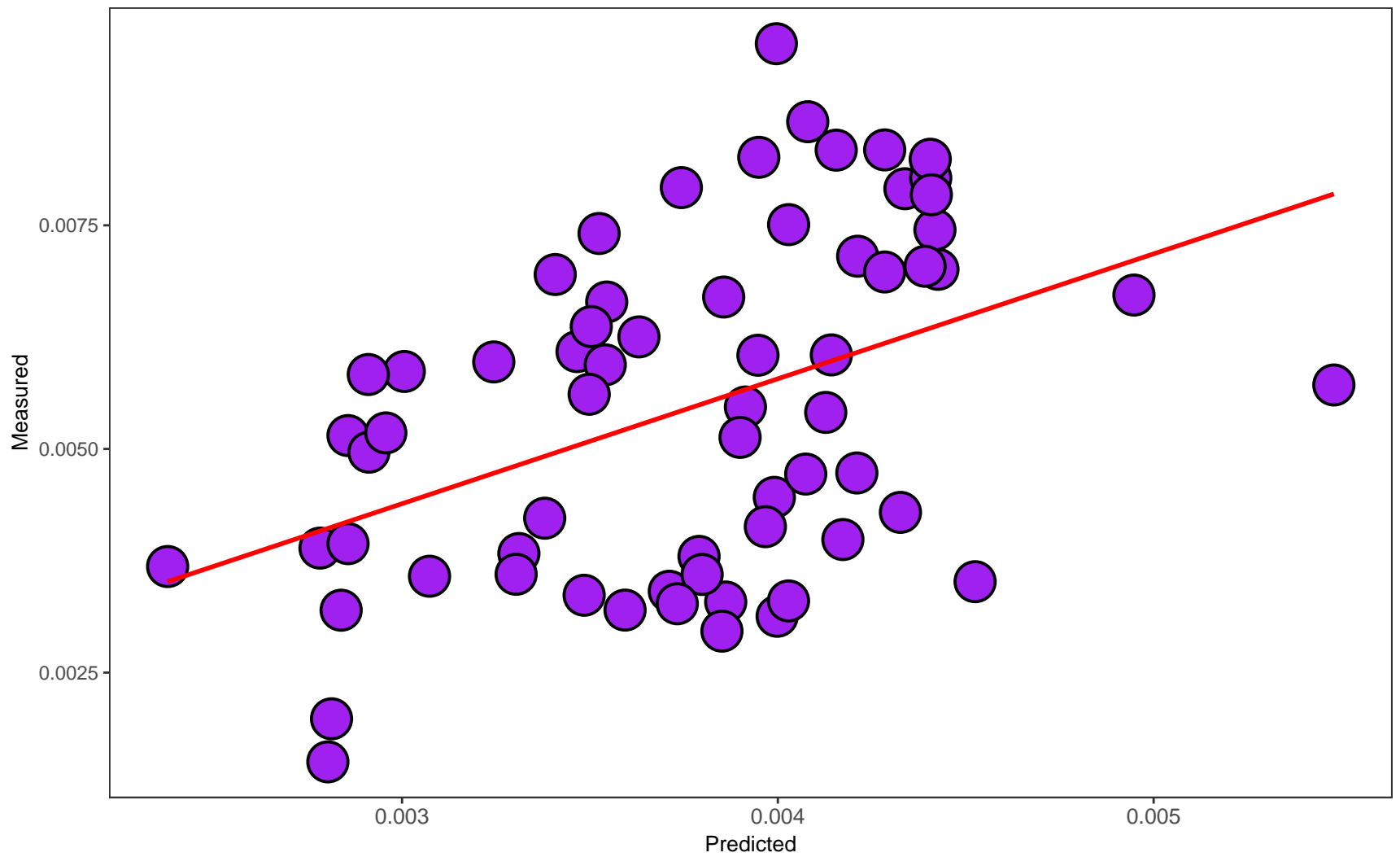
hypoxanthine (HILIC-neg\_Cluster\_0123): Spearman 0.44



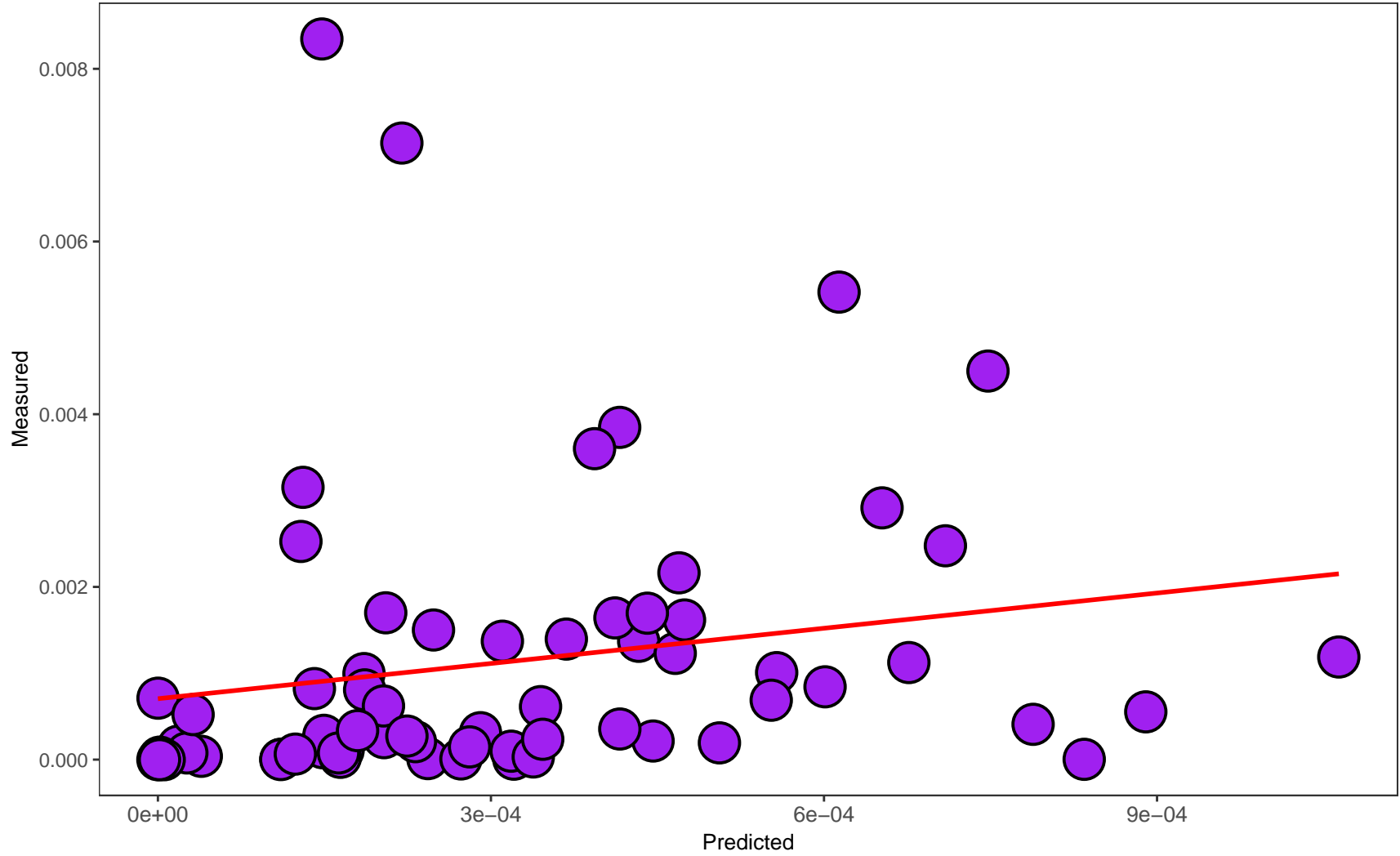
phenylacetate (HILIC-neg\_Cluster\_0125): Spearman 0.35



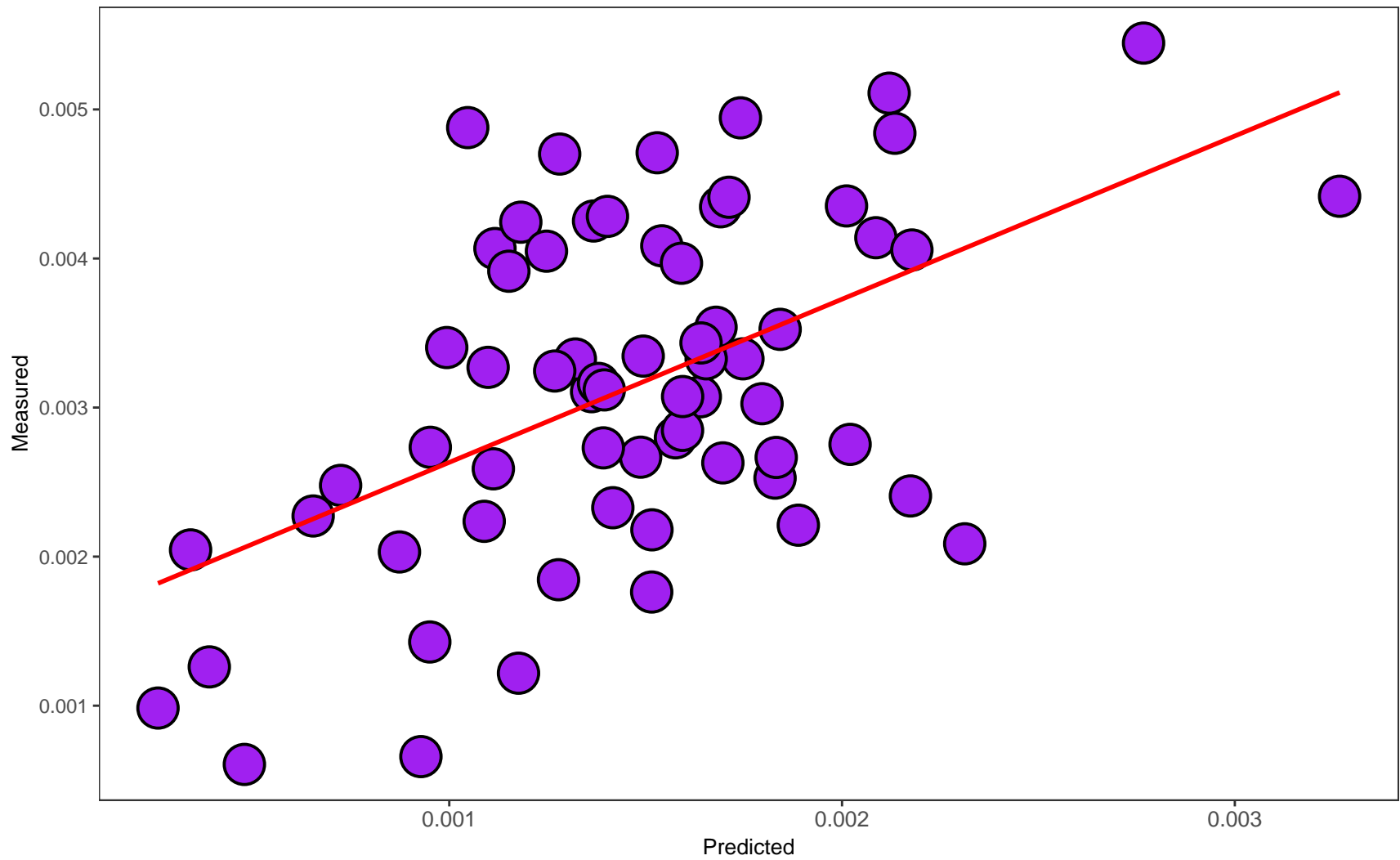
glutamate (HILIC-neg\_Cluster\_0166): Spearman 0.46



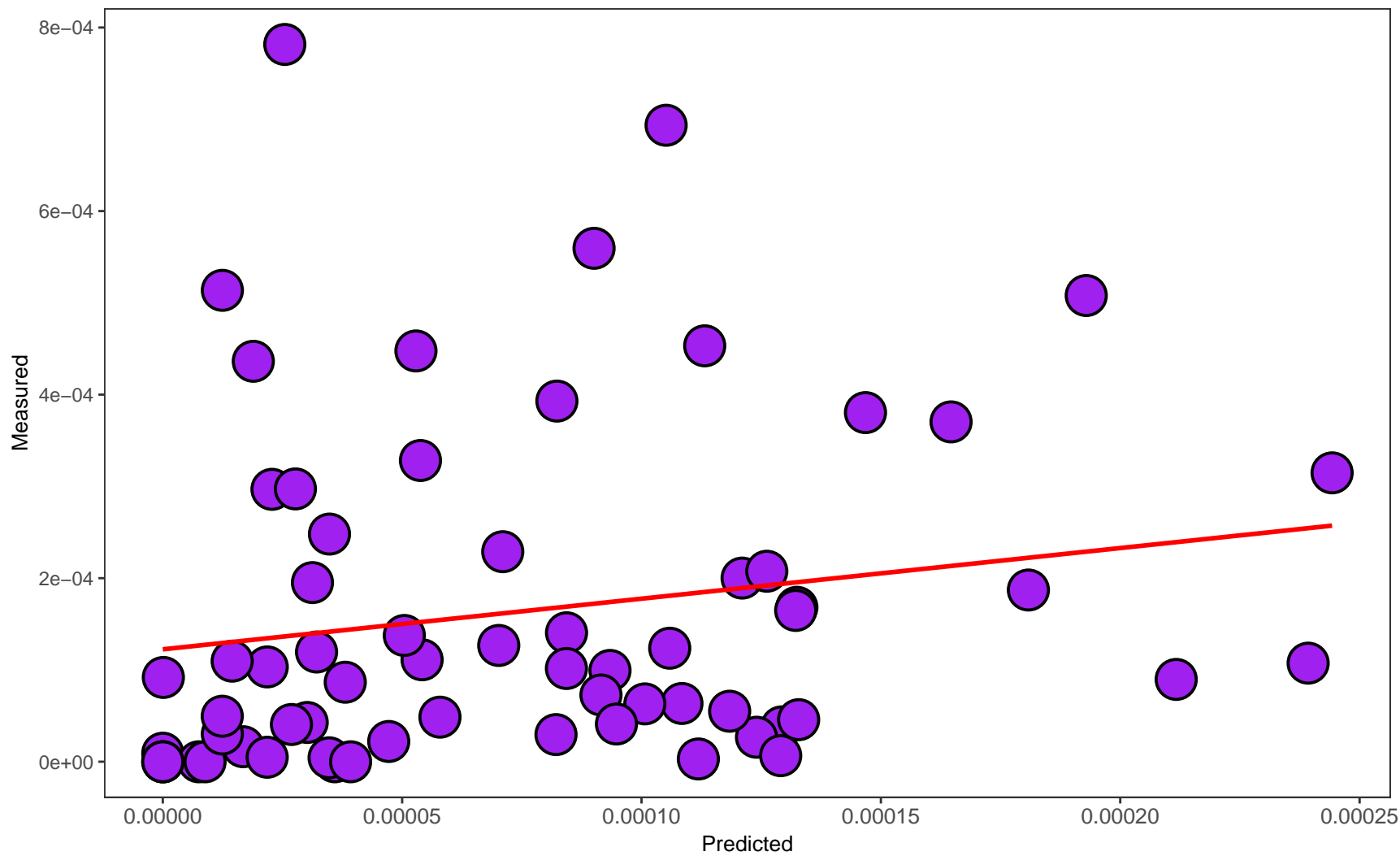
hydrocinnamic acid (HILIC-neg\_Cluster\_0181): Spearman 0.44



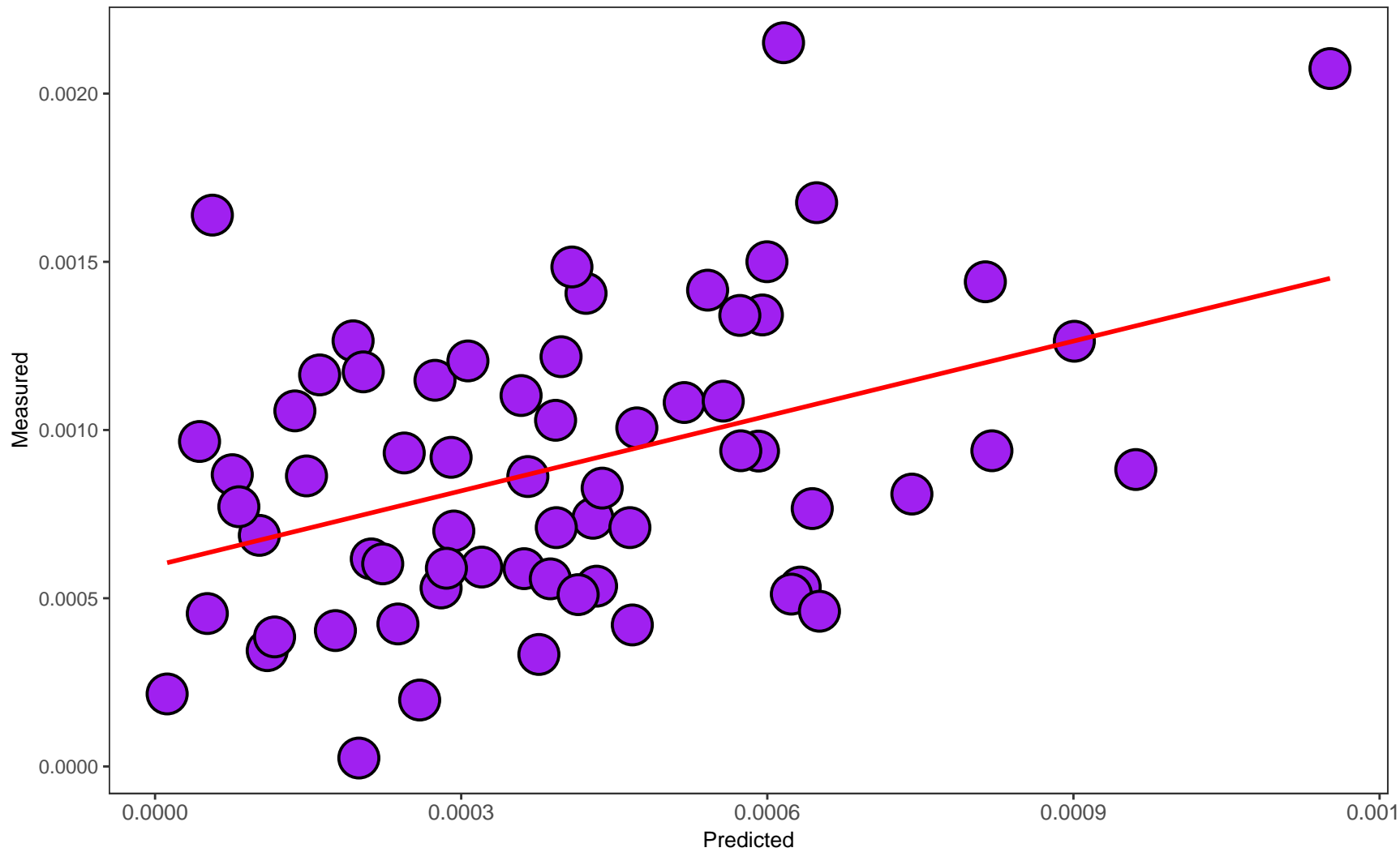
xanthine (HILIC-neg\_Cluster\_0187): Spearman 0.43



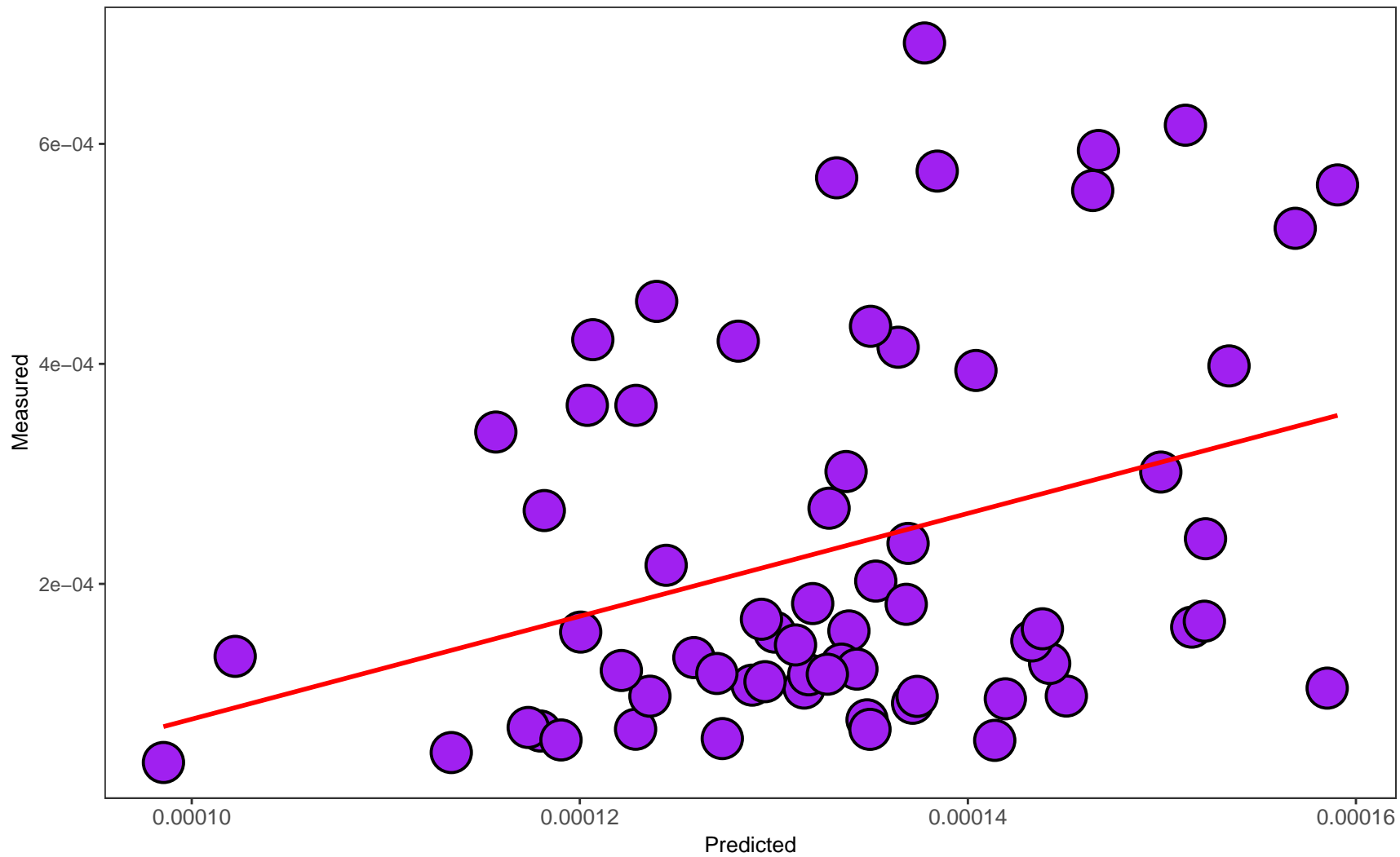
3-methyladipate-pimelate (HILIC-neg\_Cluster\_0220): Spearman 0.33



citrulline (HILIC-neg\_Cluster\_0296): Spearman 0.33

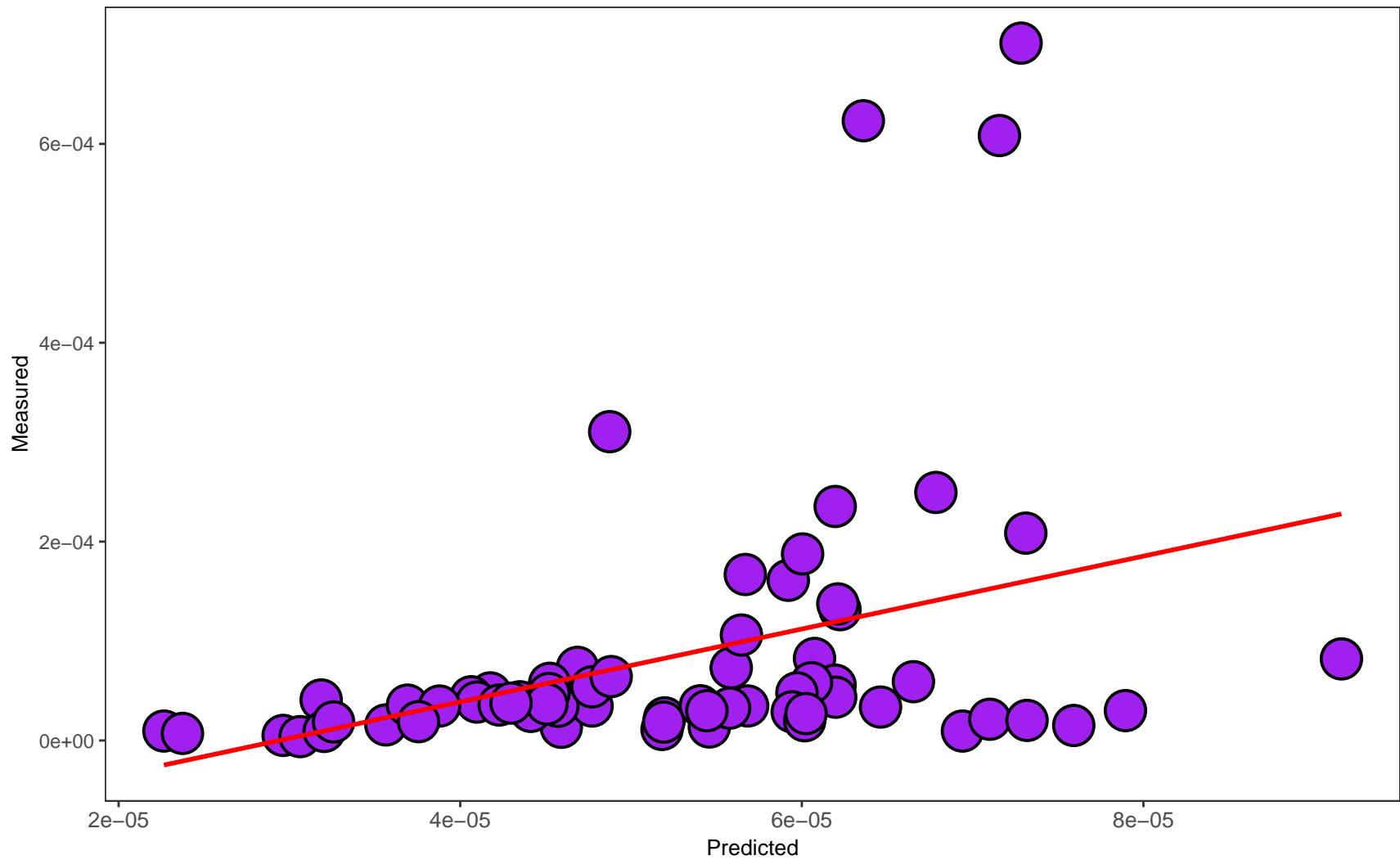


fructose/glucose/galactose\* (HILIC-neg\_Cluster\_0321): Spearman 0.33

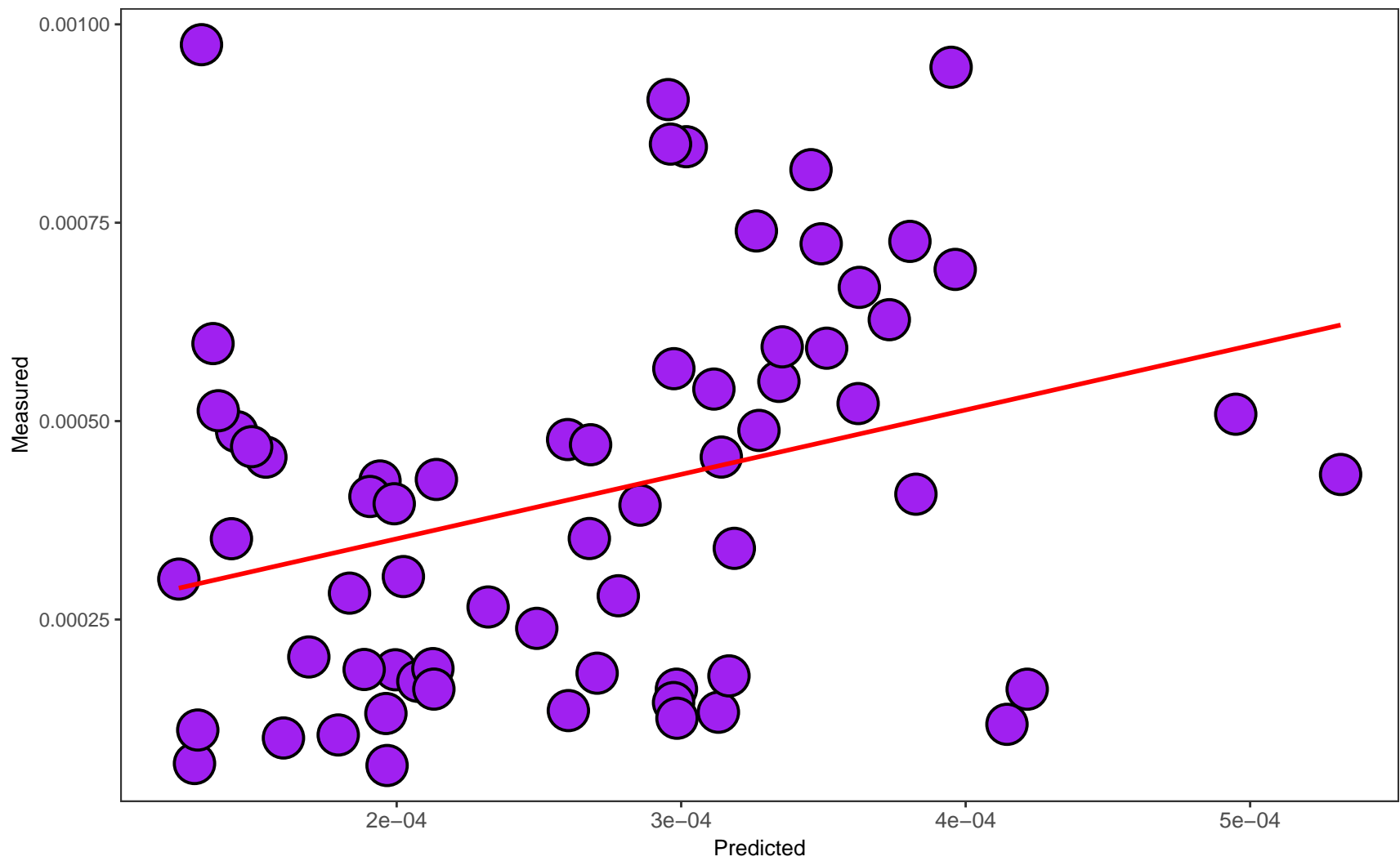




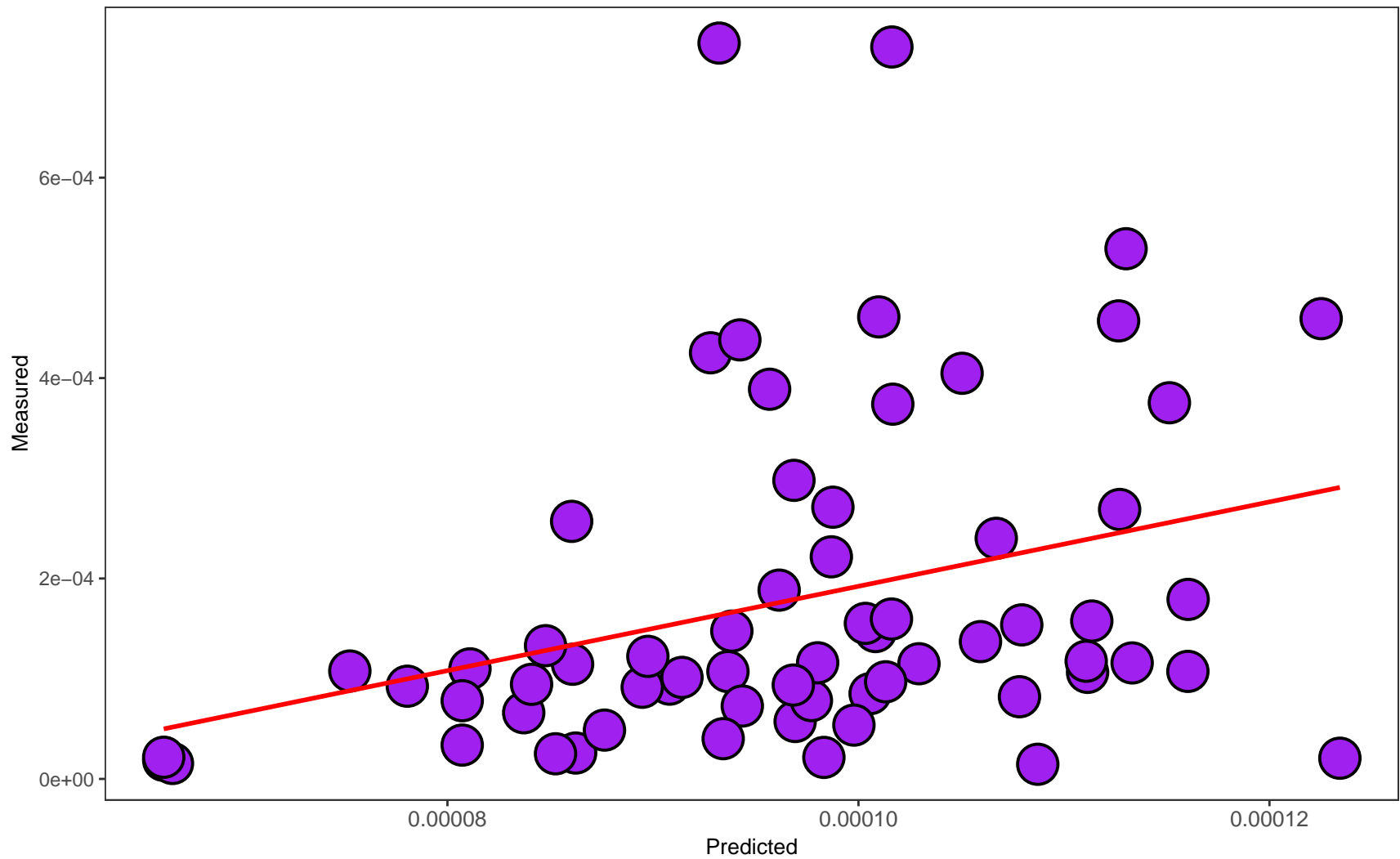
azelaic acid (HILIC-neg\_Cluster\_0365): Spearman 0.42



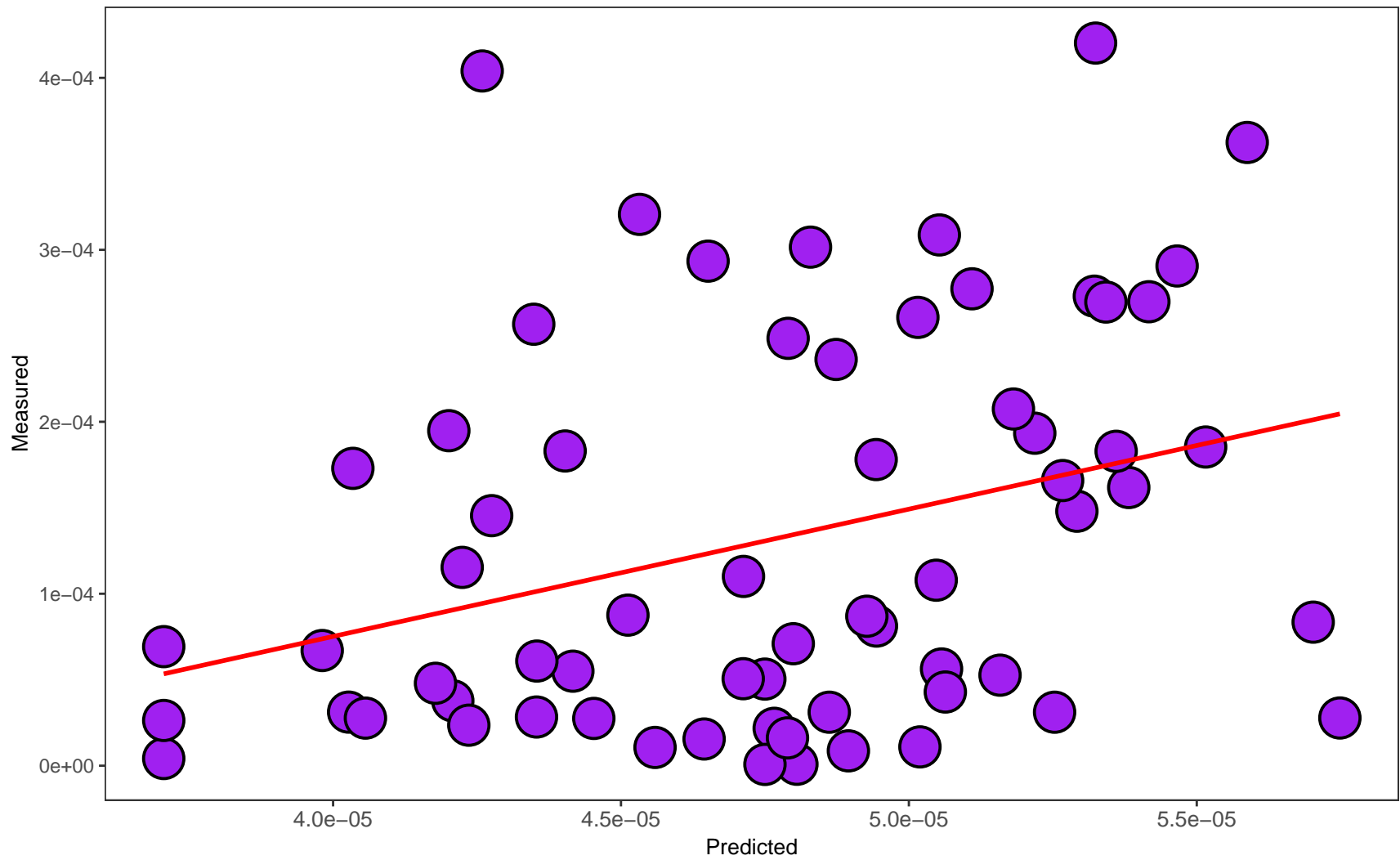
N-acetylglutamate (HILIC-neg\_Cluster\_0372): Spearman 0.35



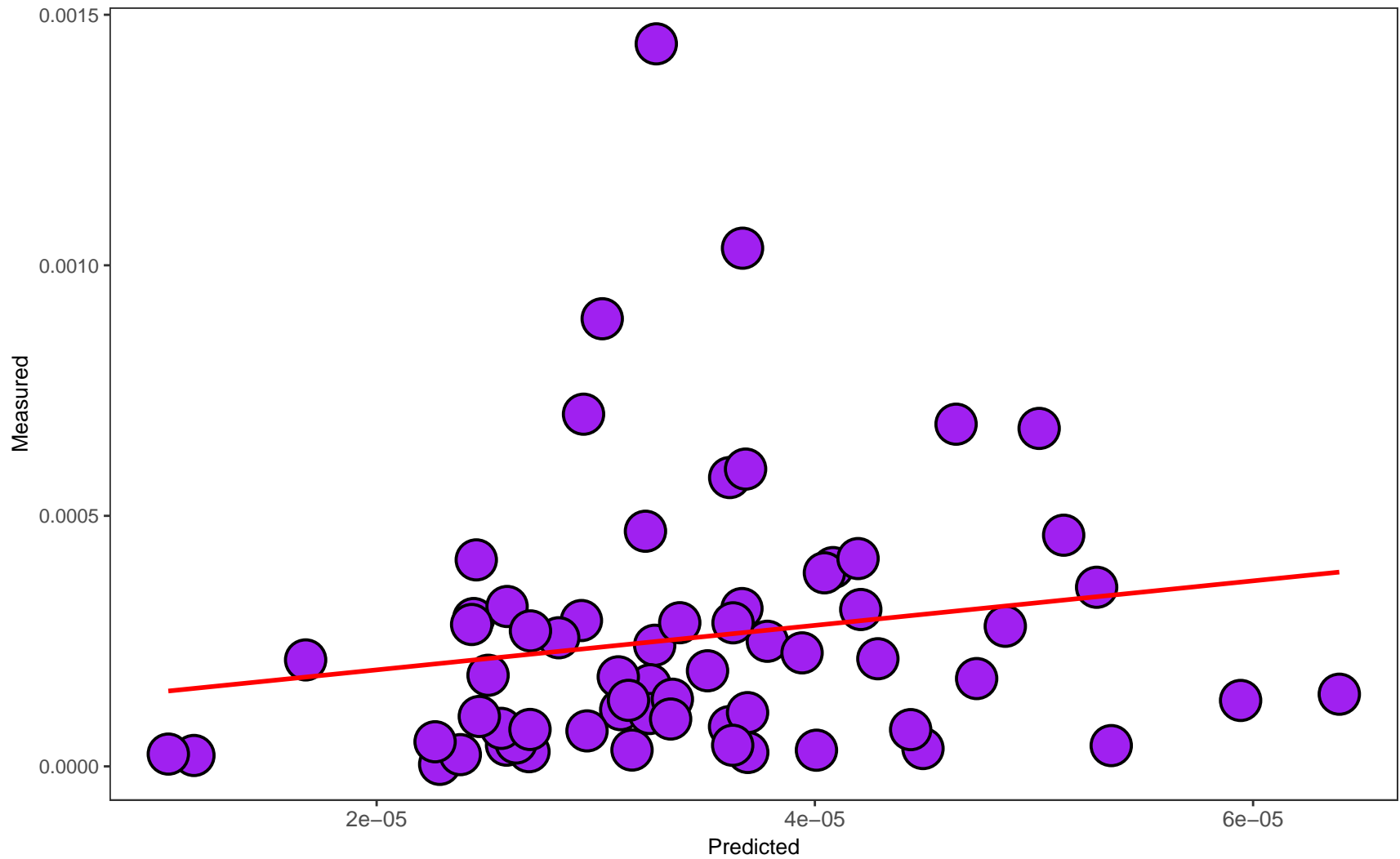
glucurote (HILIC-neg\_Cluster\_0401): Spearman 0.41



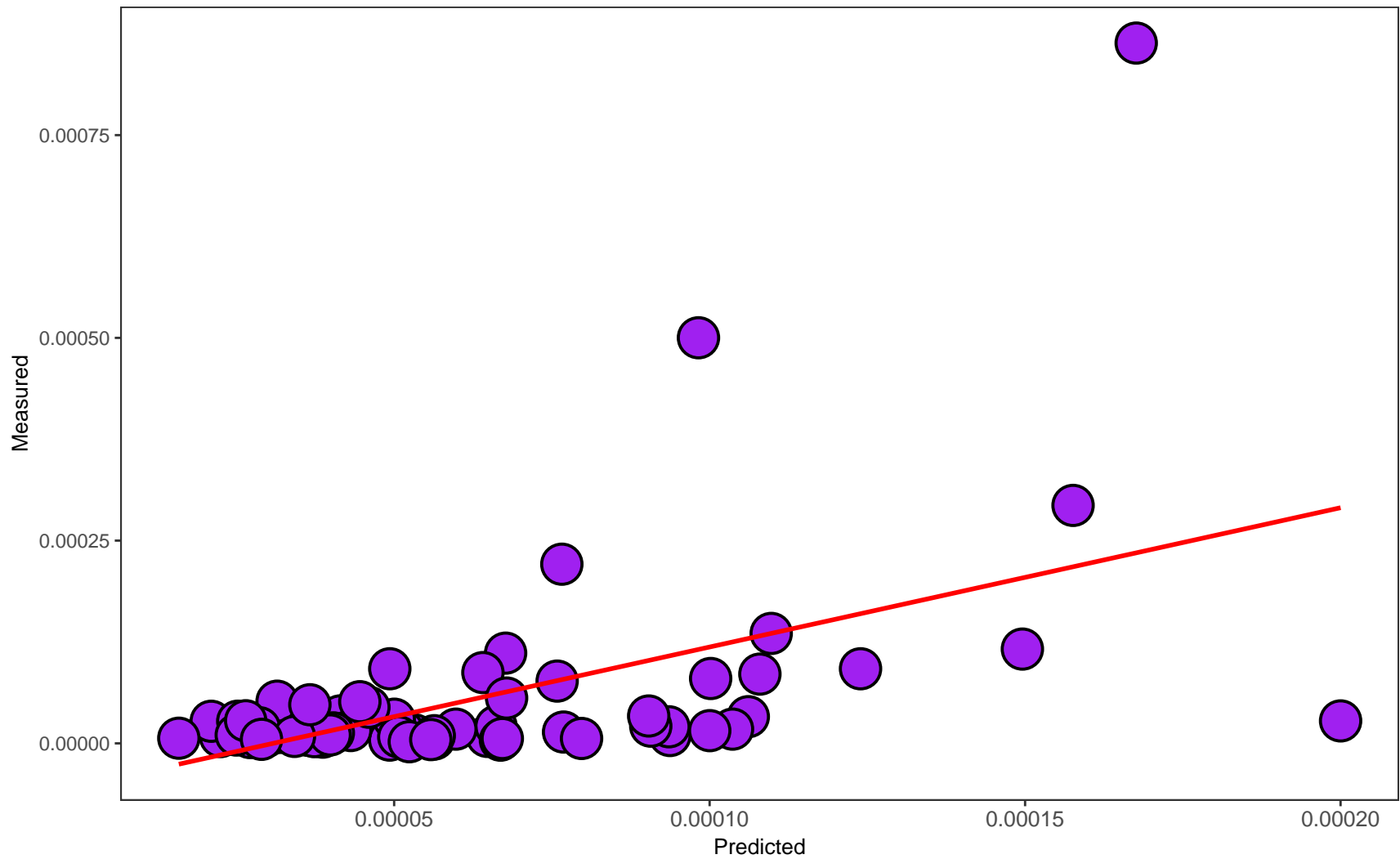
pseudouridine (HILIC-neg\_Cluster\_0707): Spearman 0.34



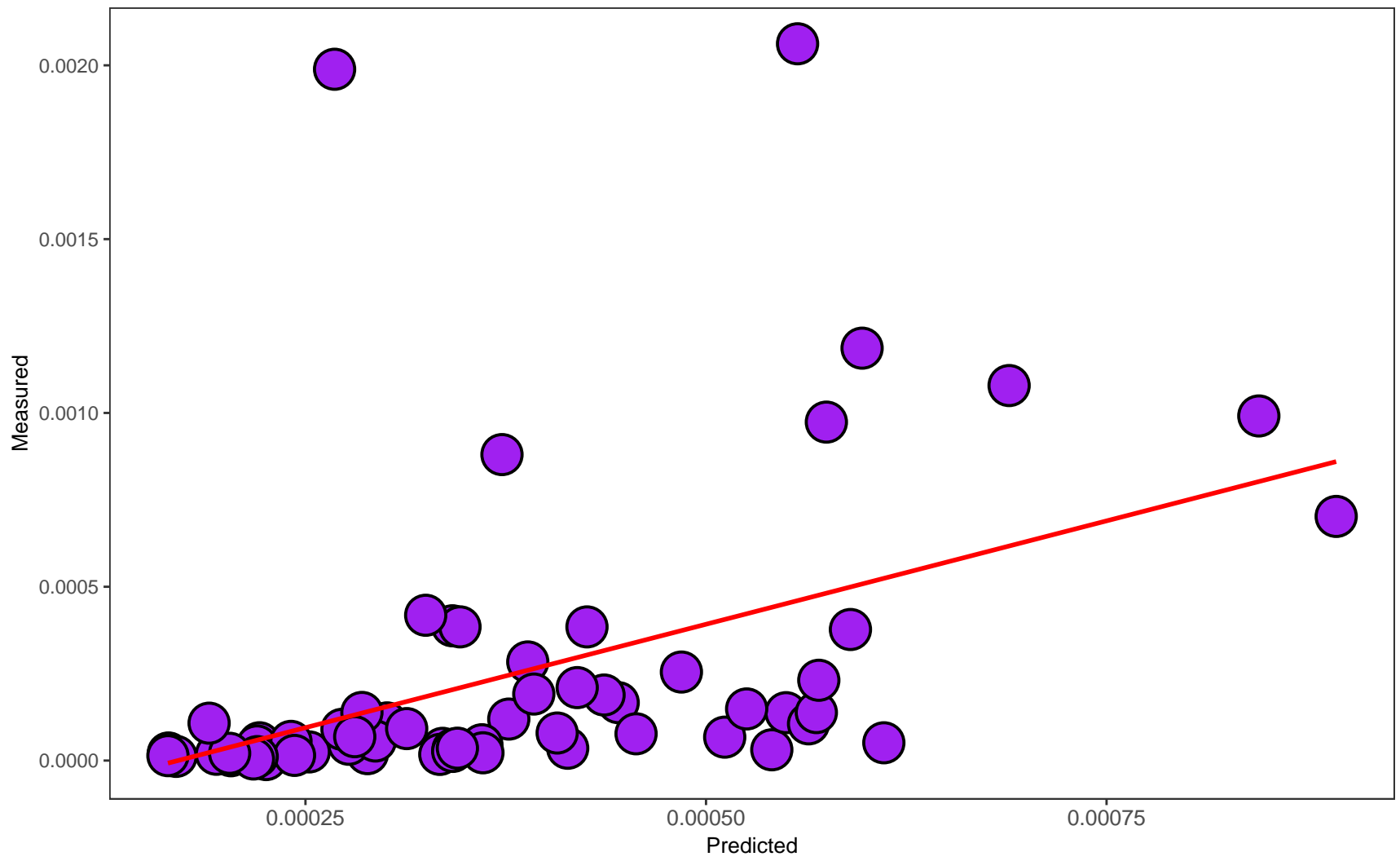
deoxyinosine (HILIC-neg\_Cluster\_0740): Spearman 0.31



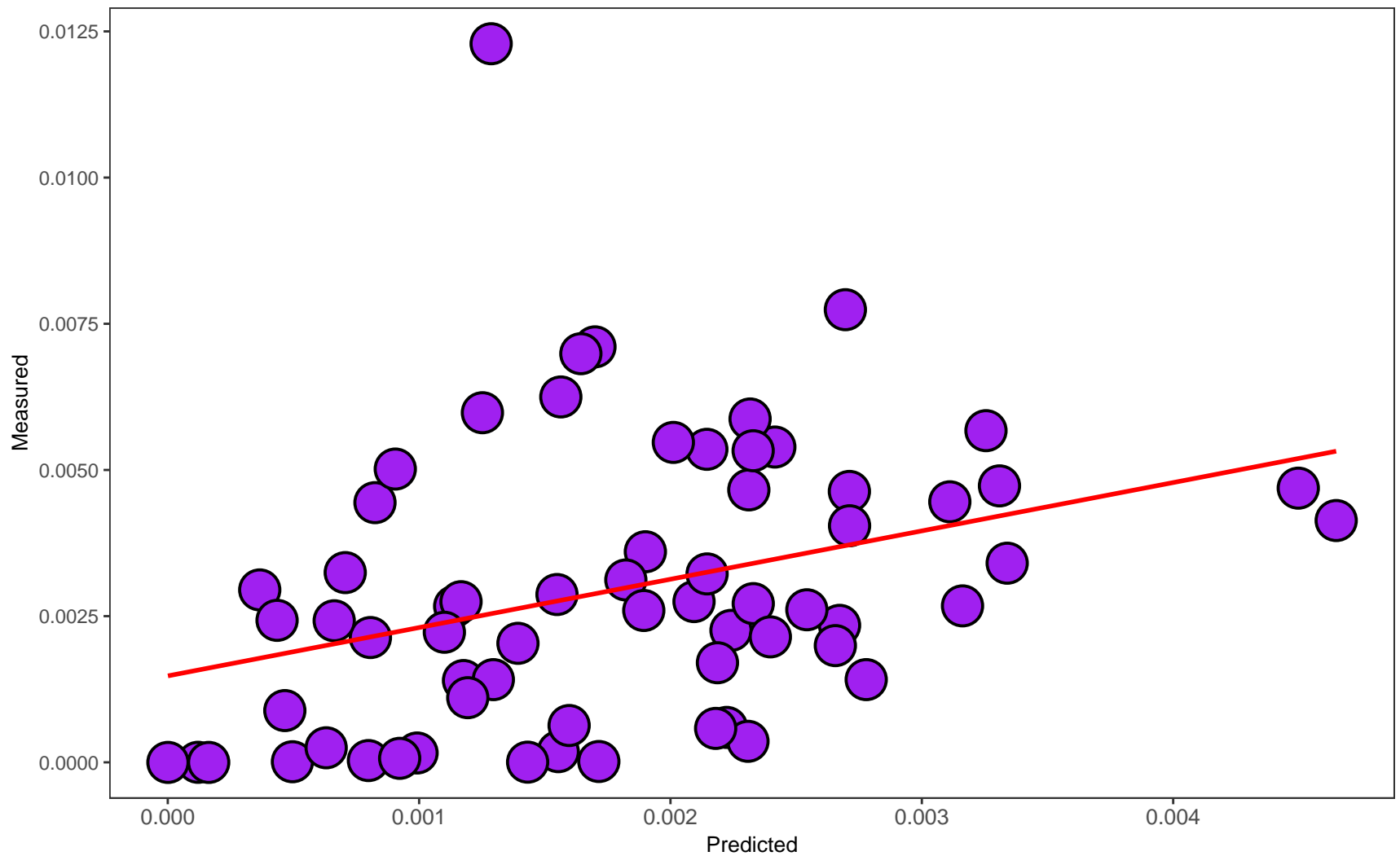
linoleoyl ethanolamide (HILIC-neg\_Cluster\_1088): Spearman 0.43



docosapentaenoate (HILIC-neg\_Cluster\_1126): Spearman 0.67

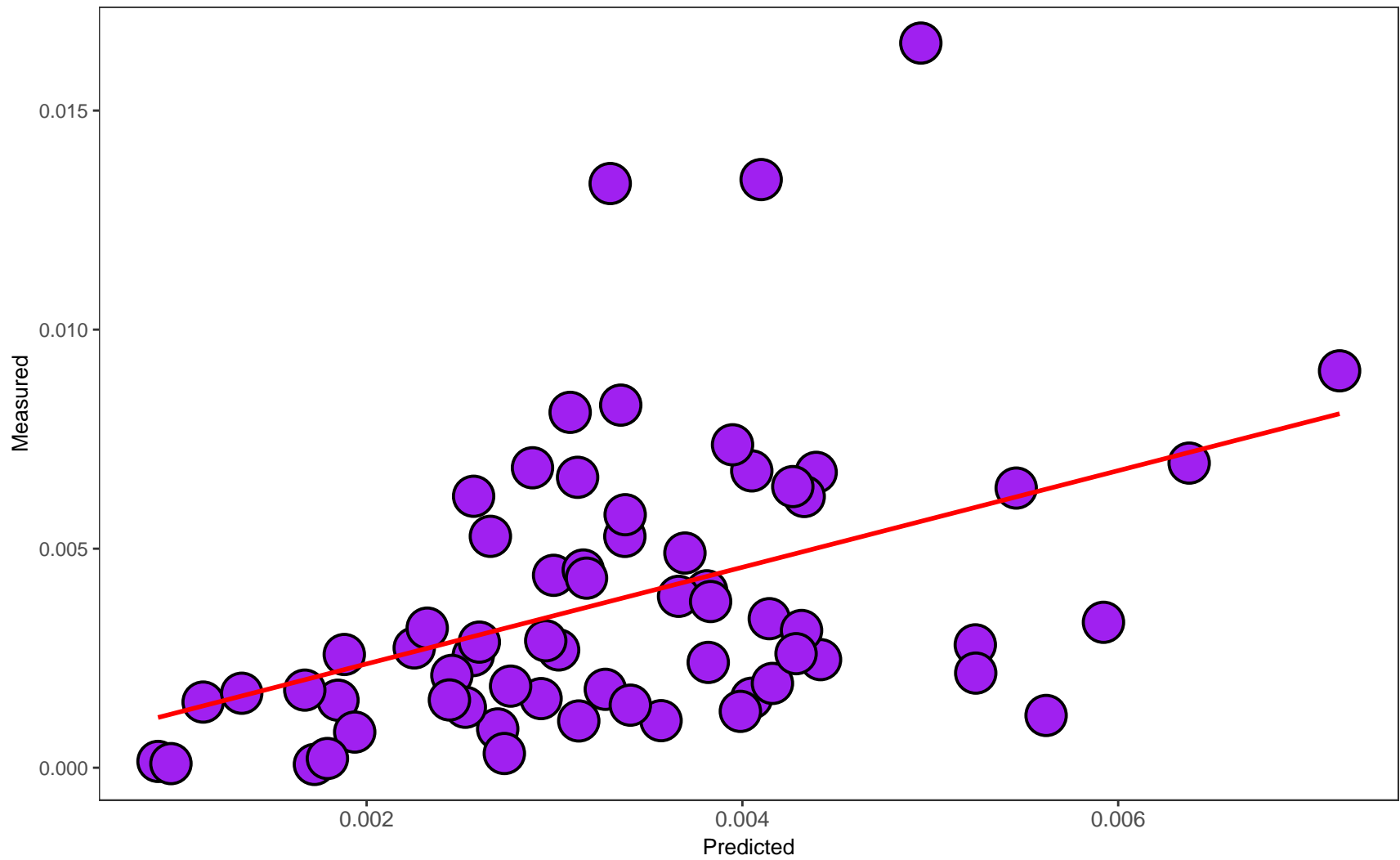


lithocholate (HILIC-neg\_Cluster\_1303): Spearman 0.43

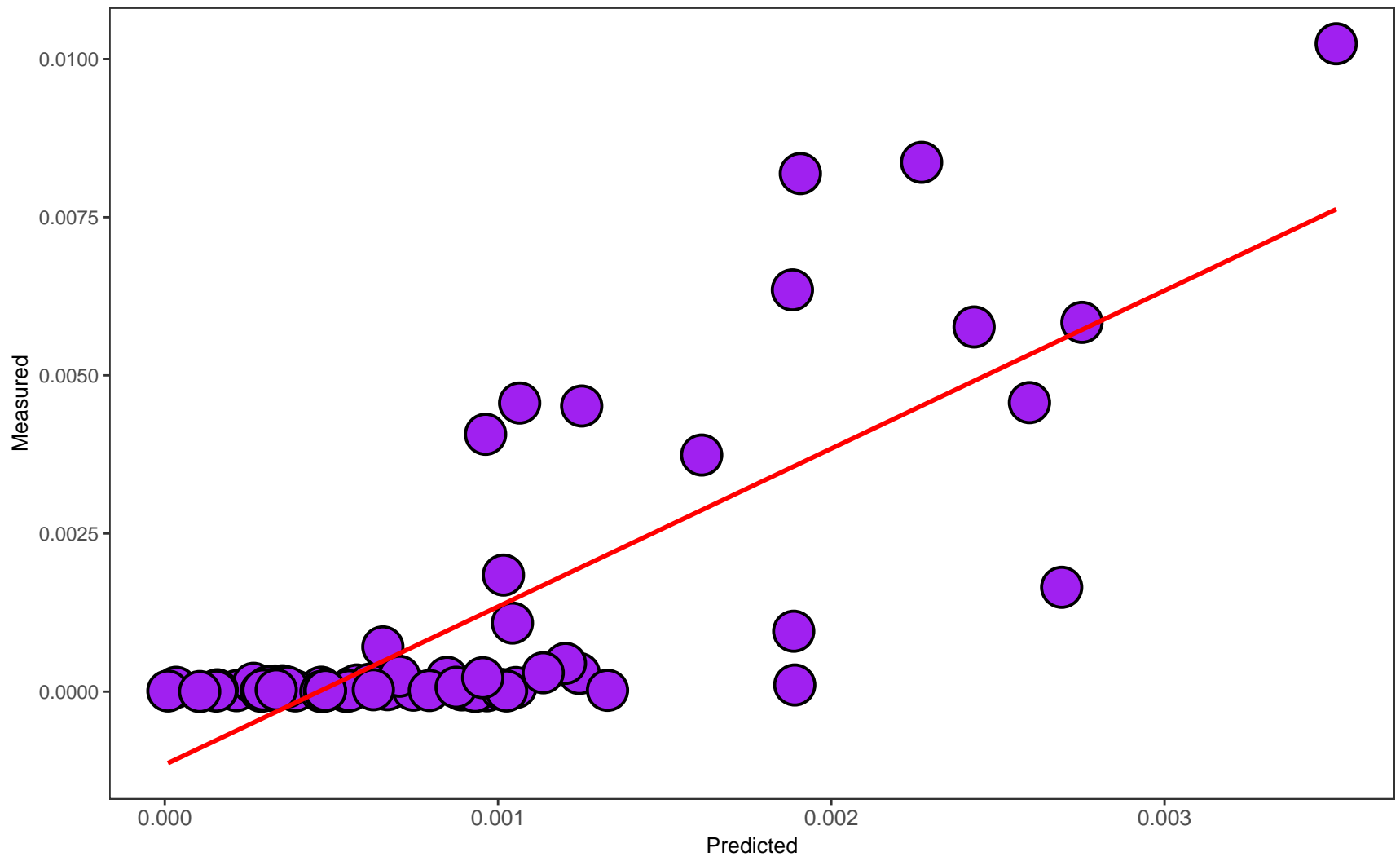




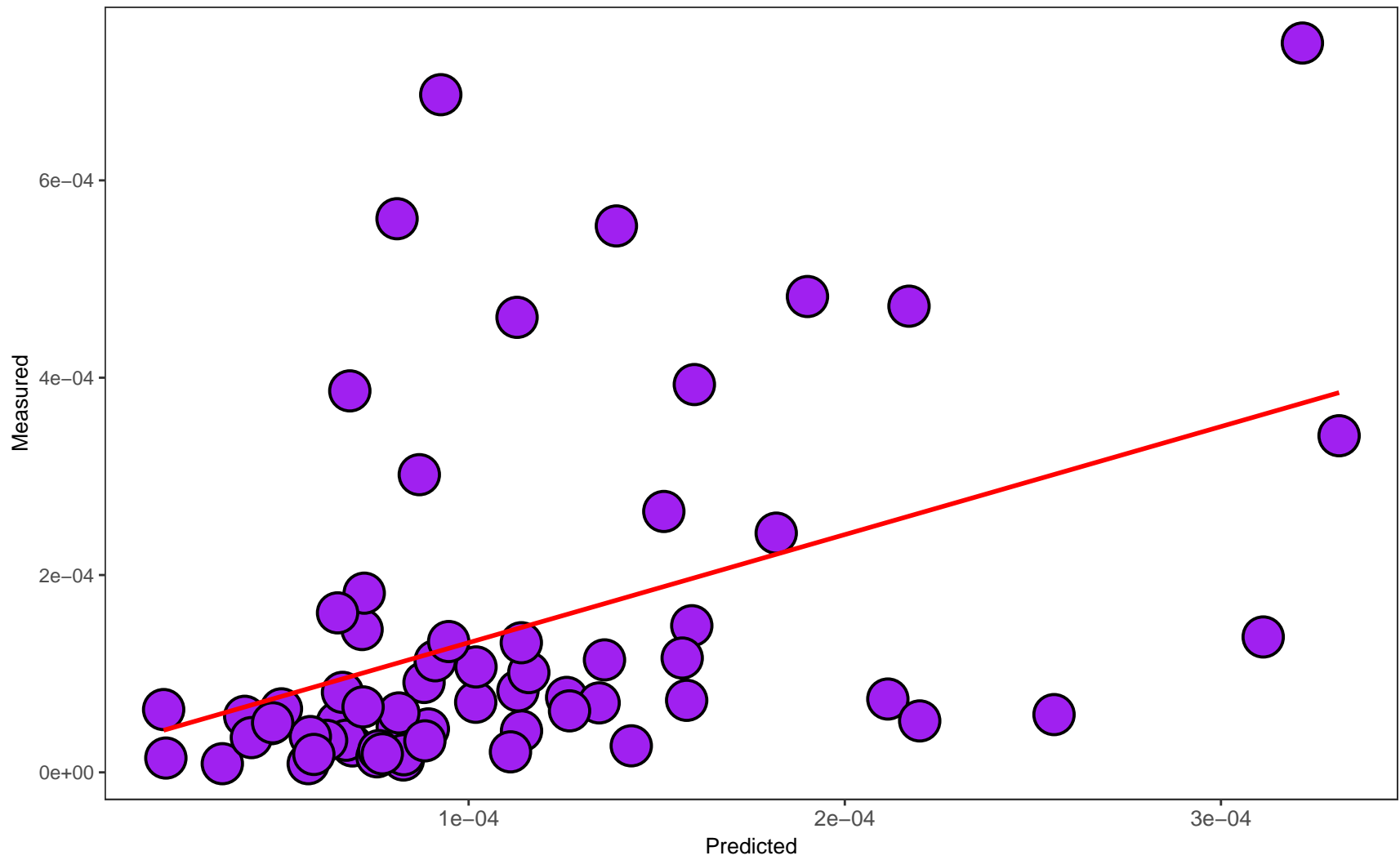
chenodeoxycholate/deoxycholate\* (HILIC-neg\_Cluster\_1360): Spearman 0.48



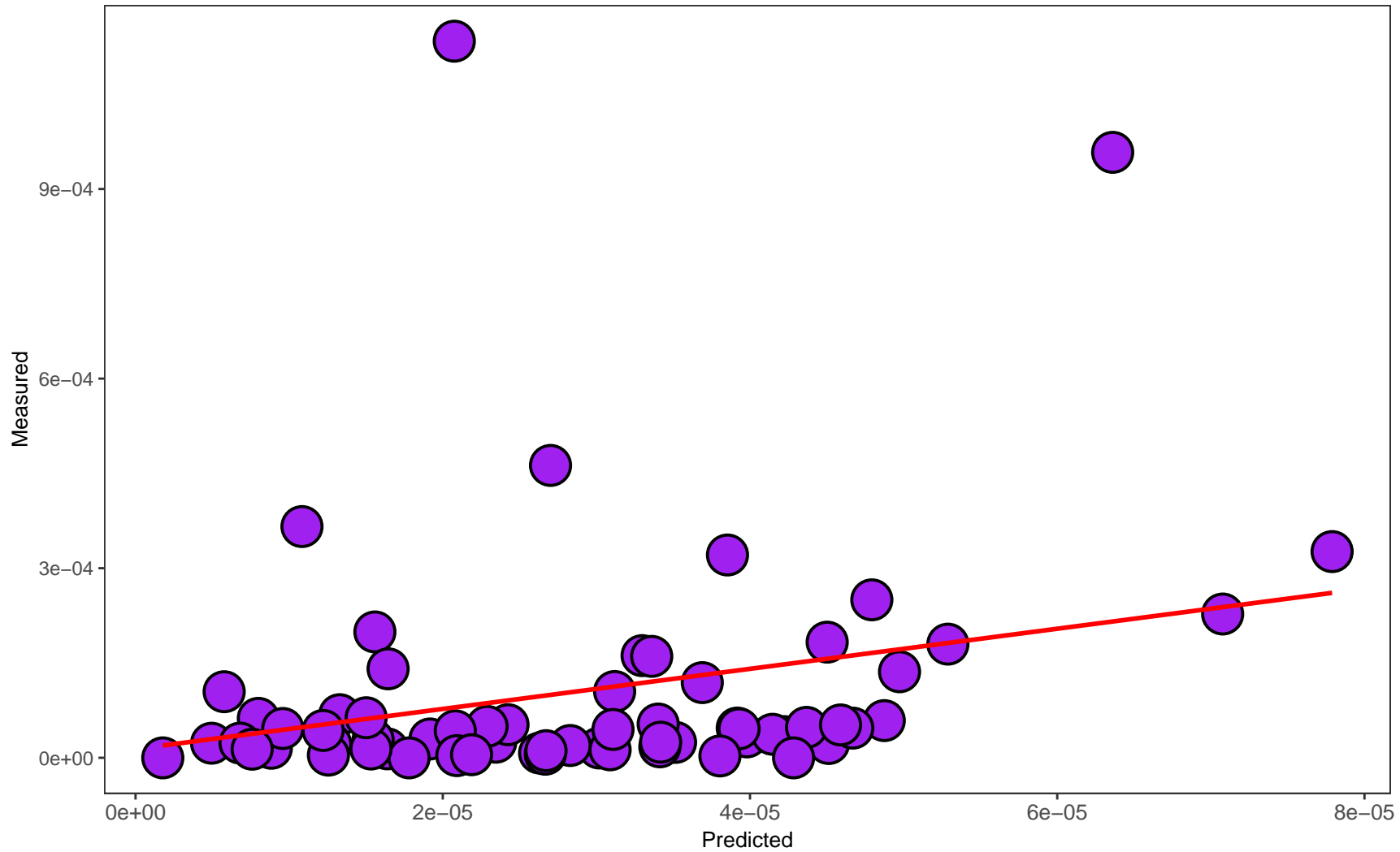
cholate (HILIC-neg\_Cluster\_1403): Spearman 0.65



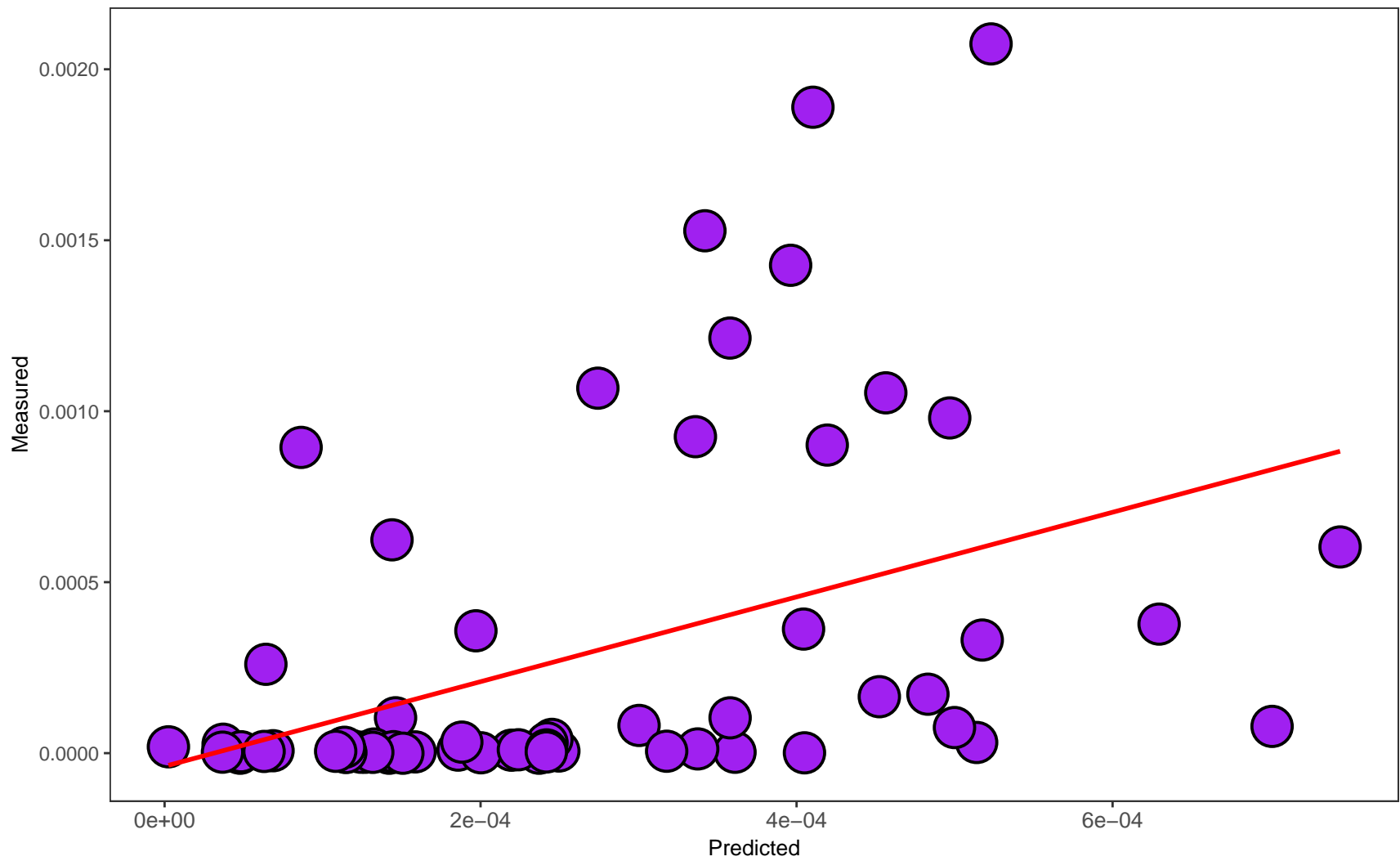
putrescine (HILIC-pos\_Cluster\_0007): Spearman 0.52



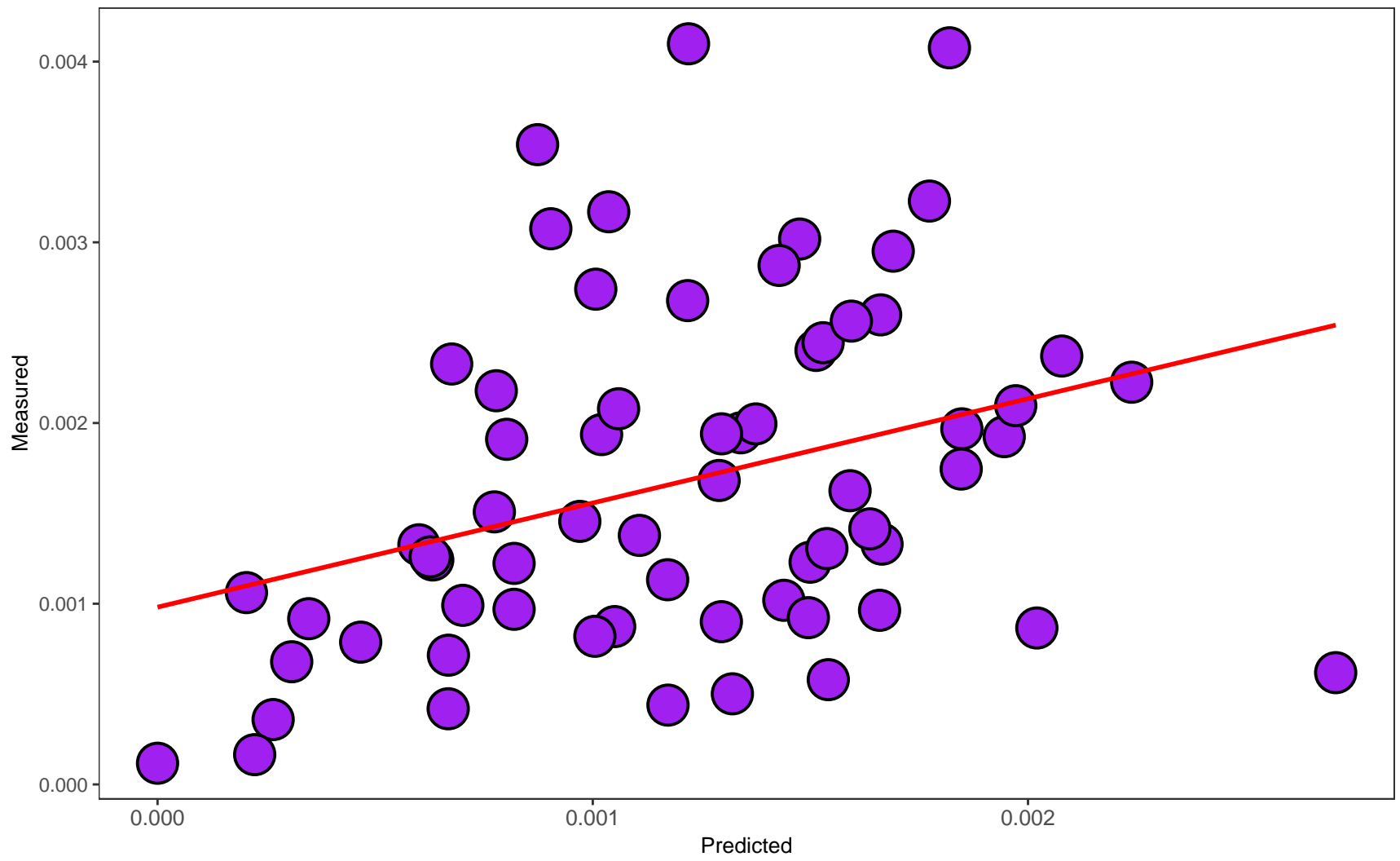
cytosine (HILIC-pos\_Cluster\_0032): Spearman 0.32



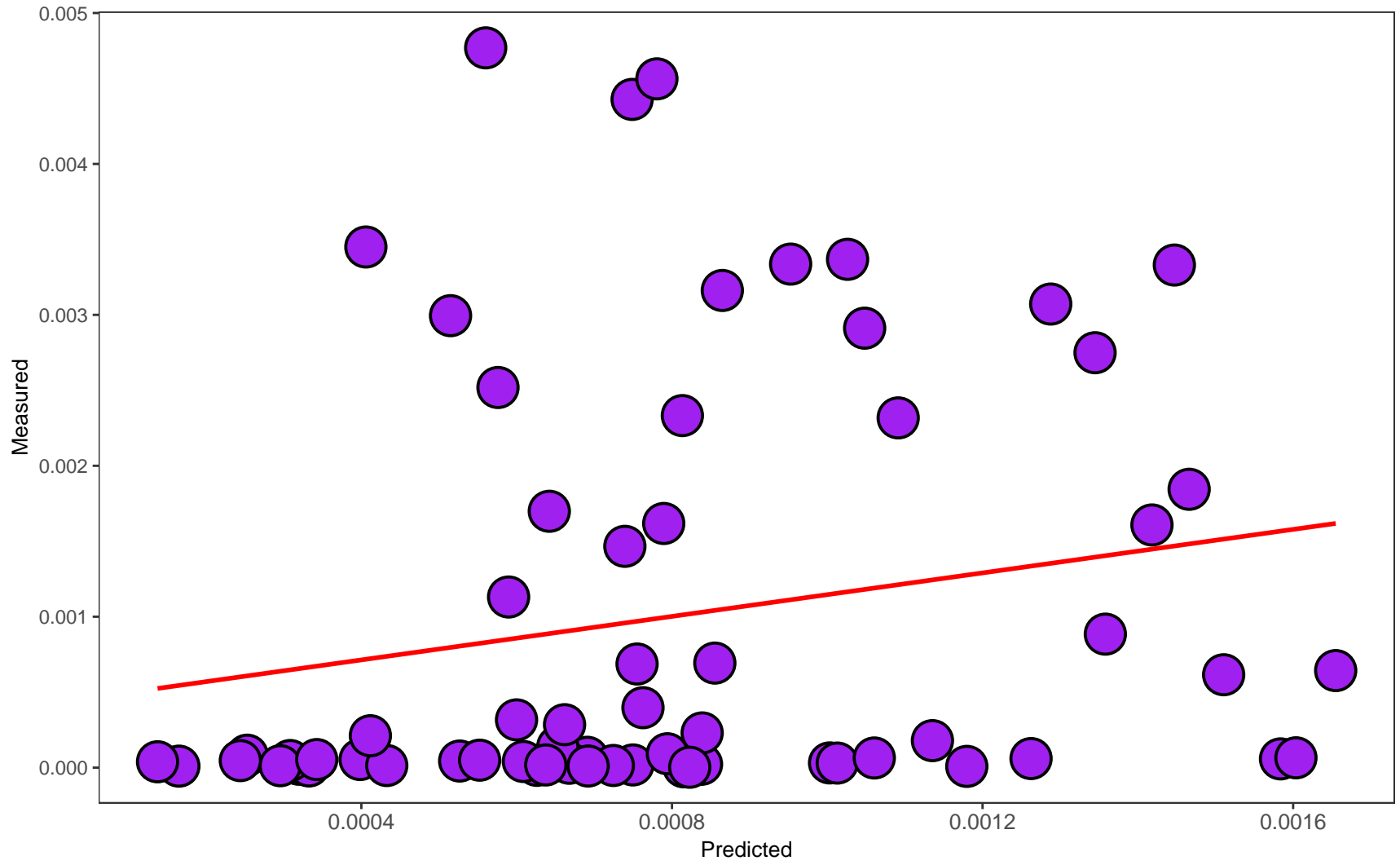
N-acetylputrescine (HILIC-pos\_Cluster\_0038): Spearman 0.53



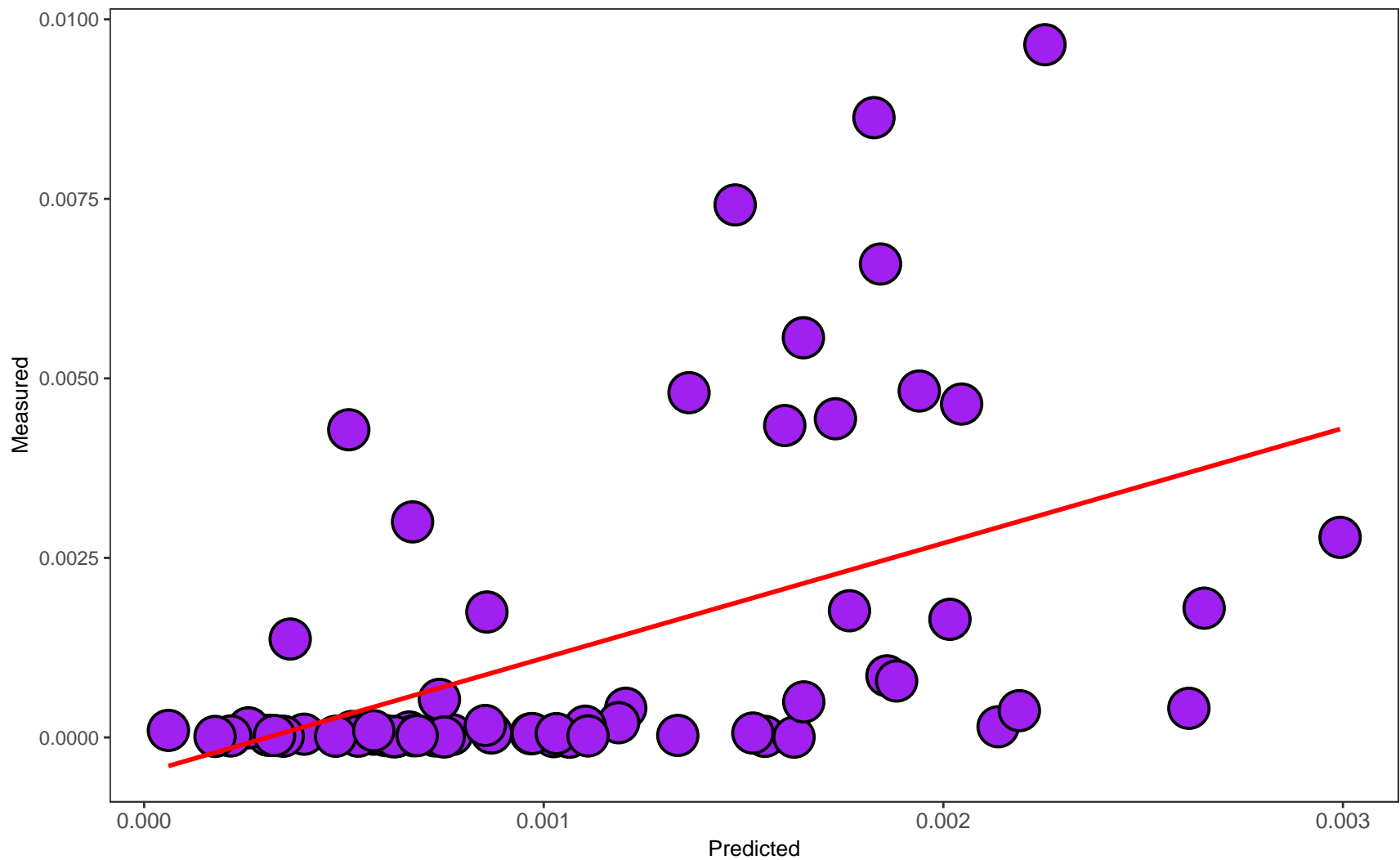
nicotinic acid (HILIC-pos\_Cluster\_0062): Spearman 0.37



taurine (HILIC-pos\_Cluster\_0066): Spearman 0.31

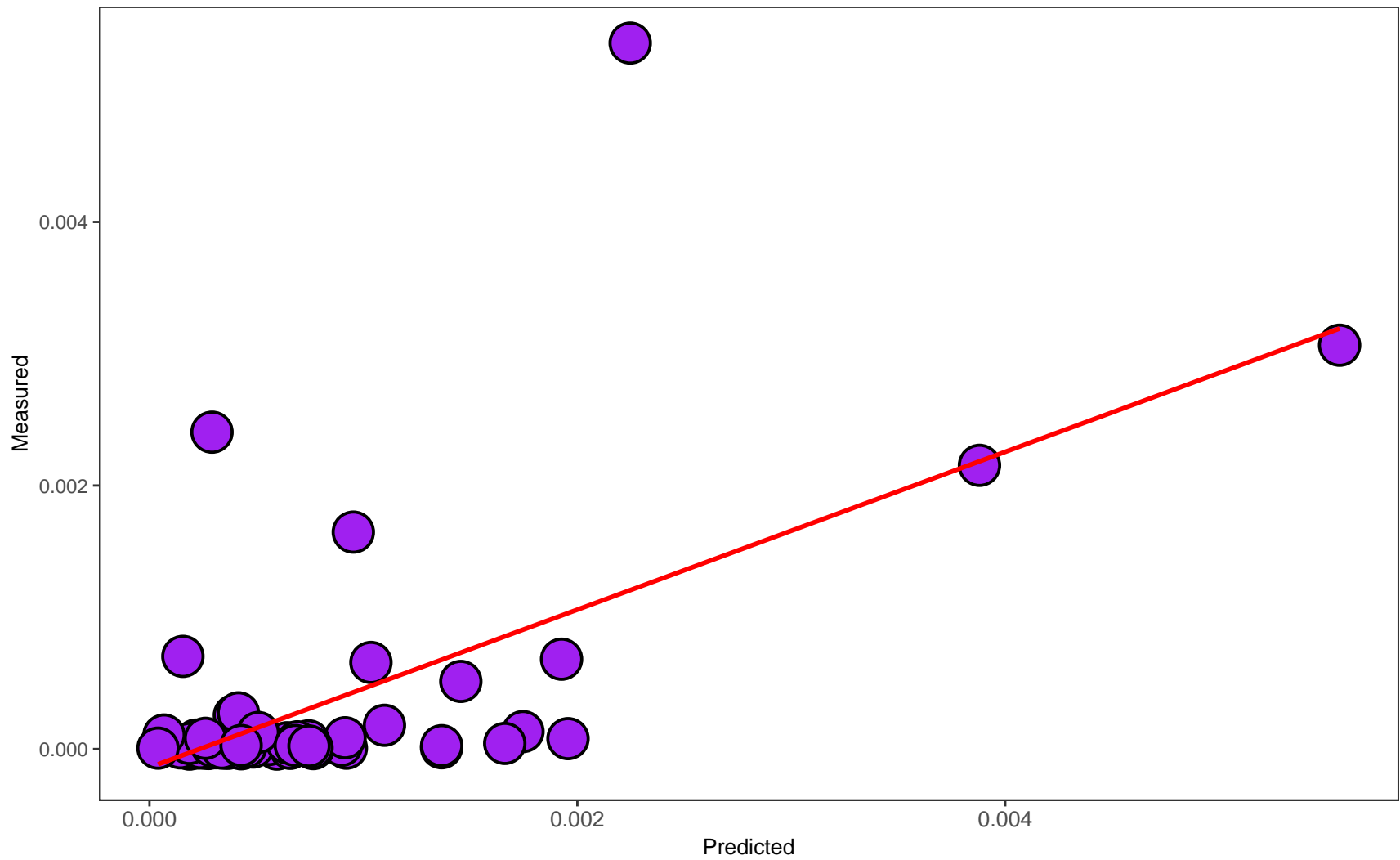


N-acetylputrescine (HILIC-pos\_Cluster\_0086): Spearman 0.54

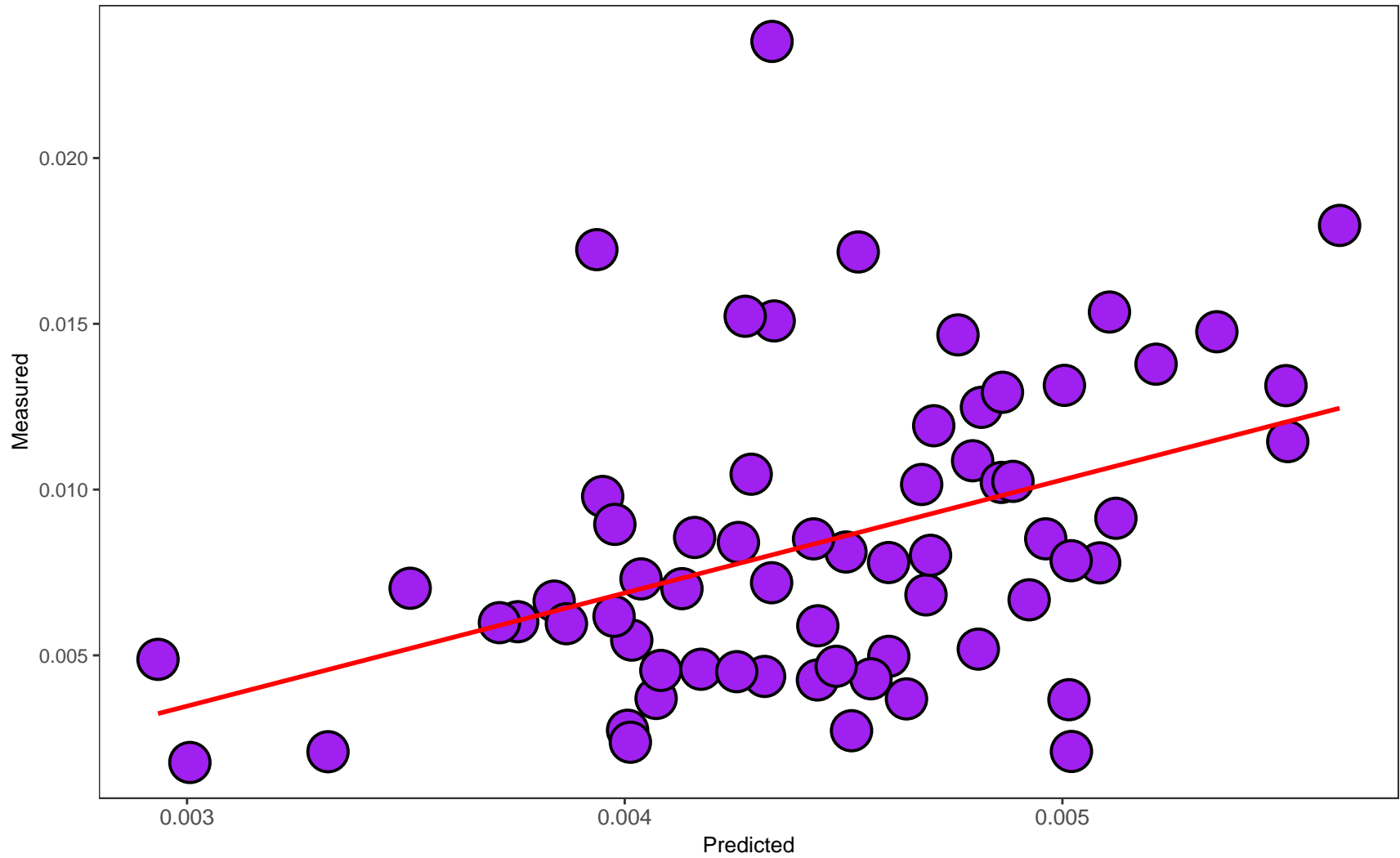




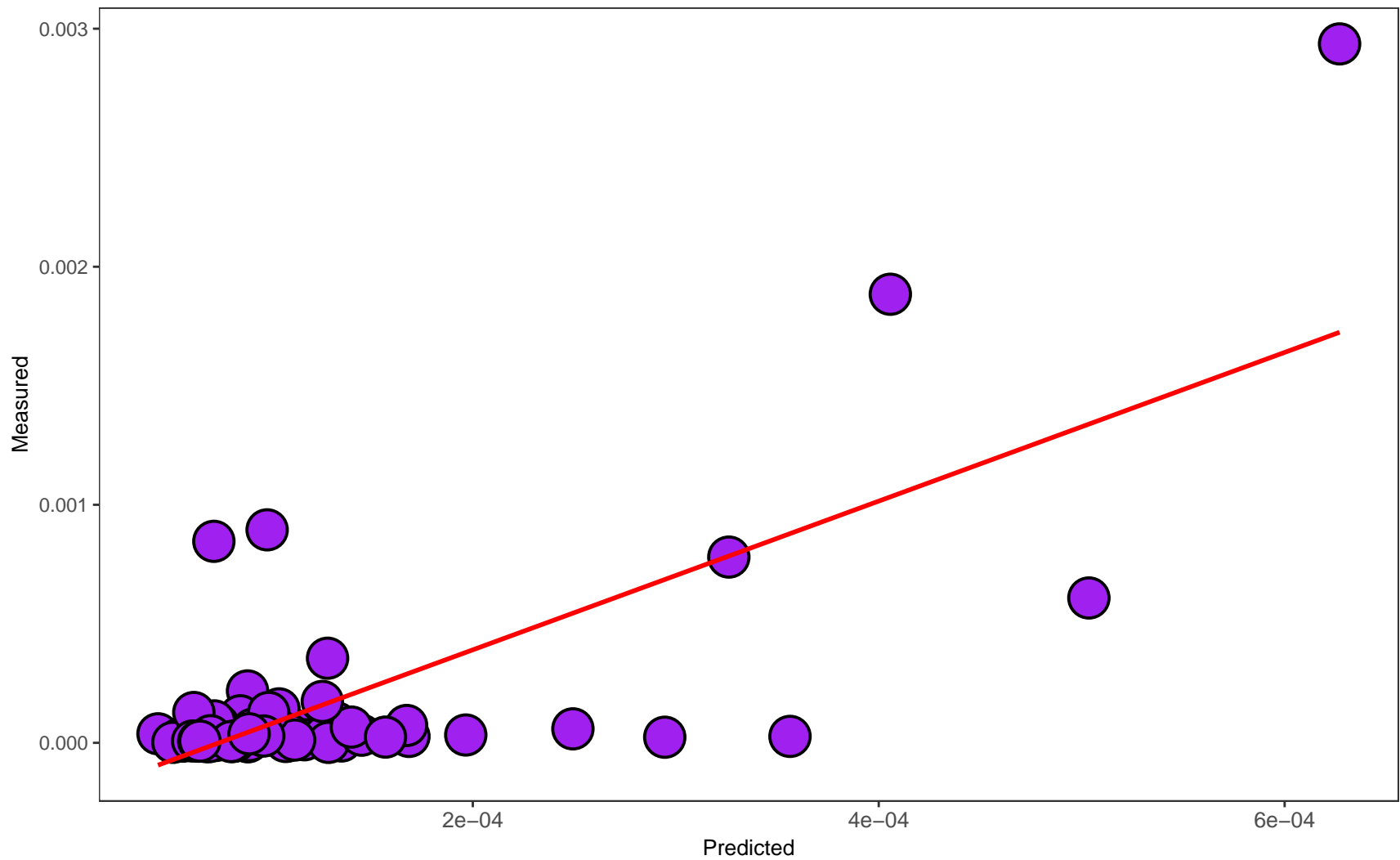
creatine (HILIC-pos\_Cluster\_0090): Spearman 0.36



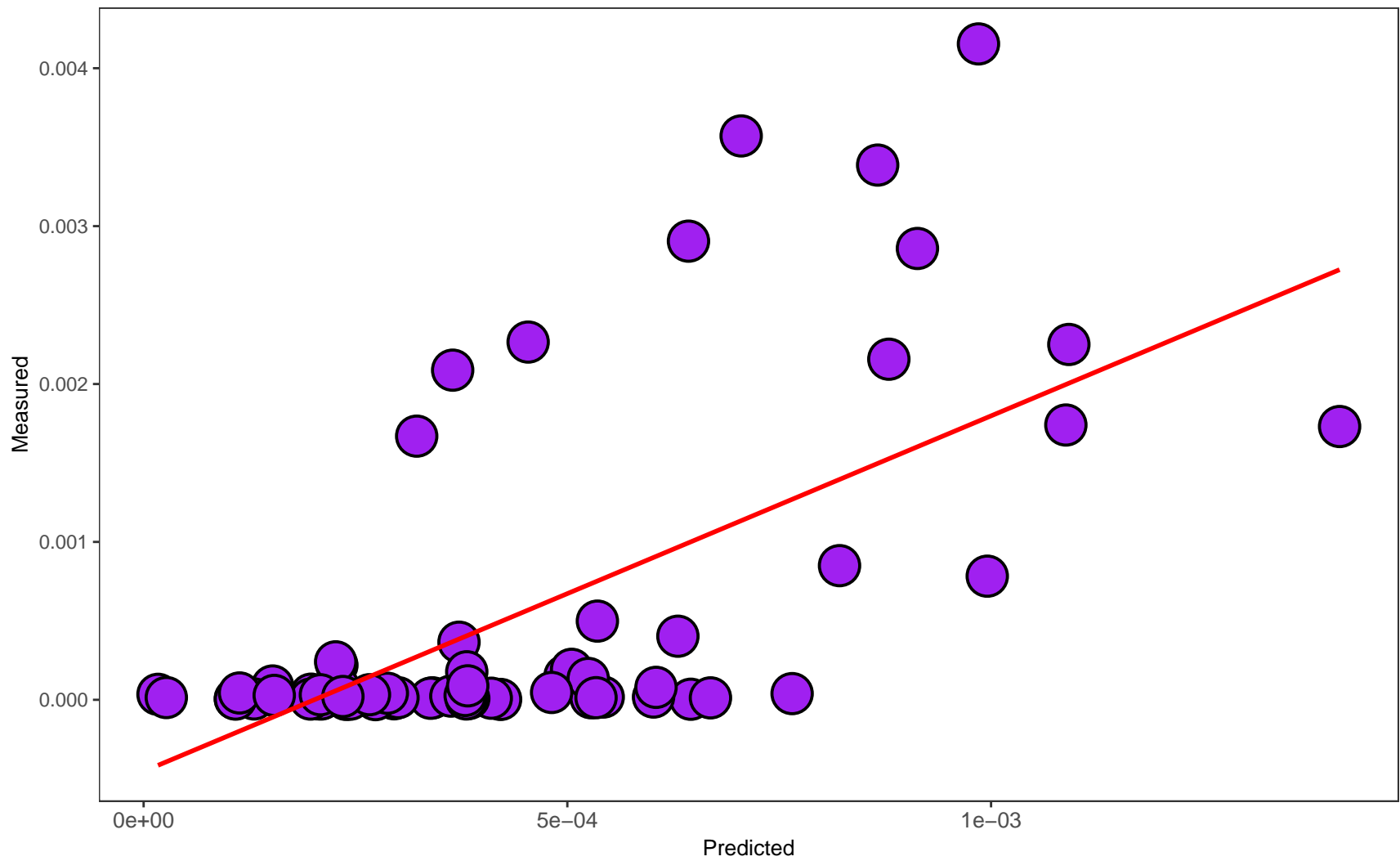
hypoxanthine (HILIC-pos\_Cluster\_0108): Spearman 0.42



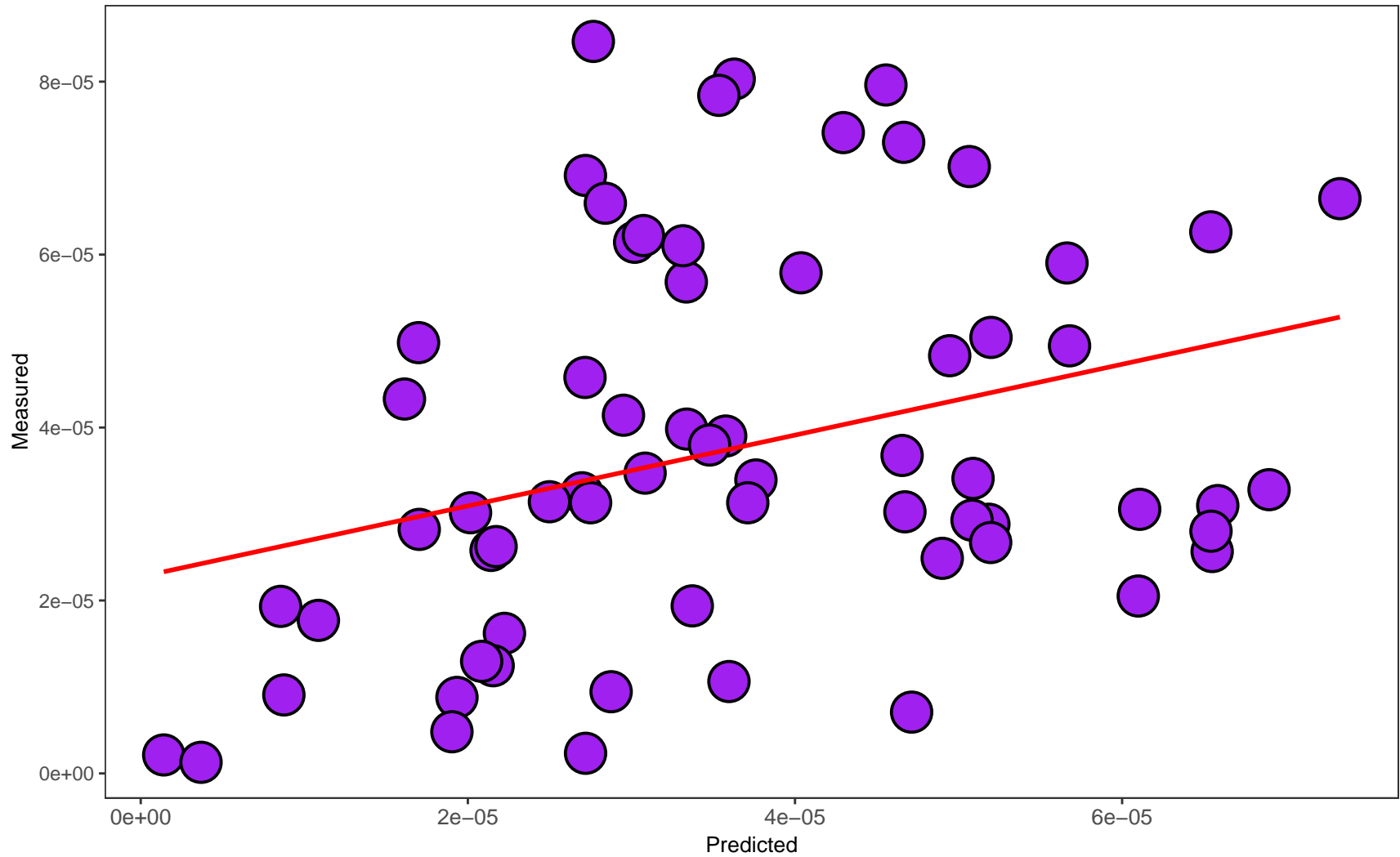
2-hydroxyphenethylamine (HILIC-pos\_Cluster\_0114): Spearman 0.39



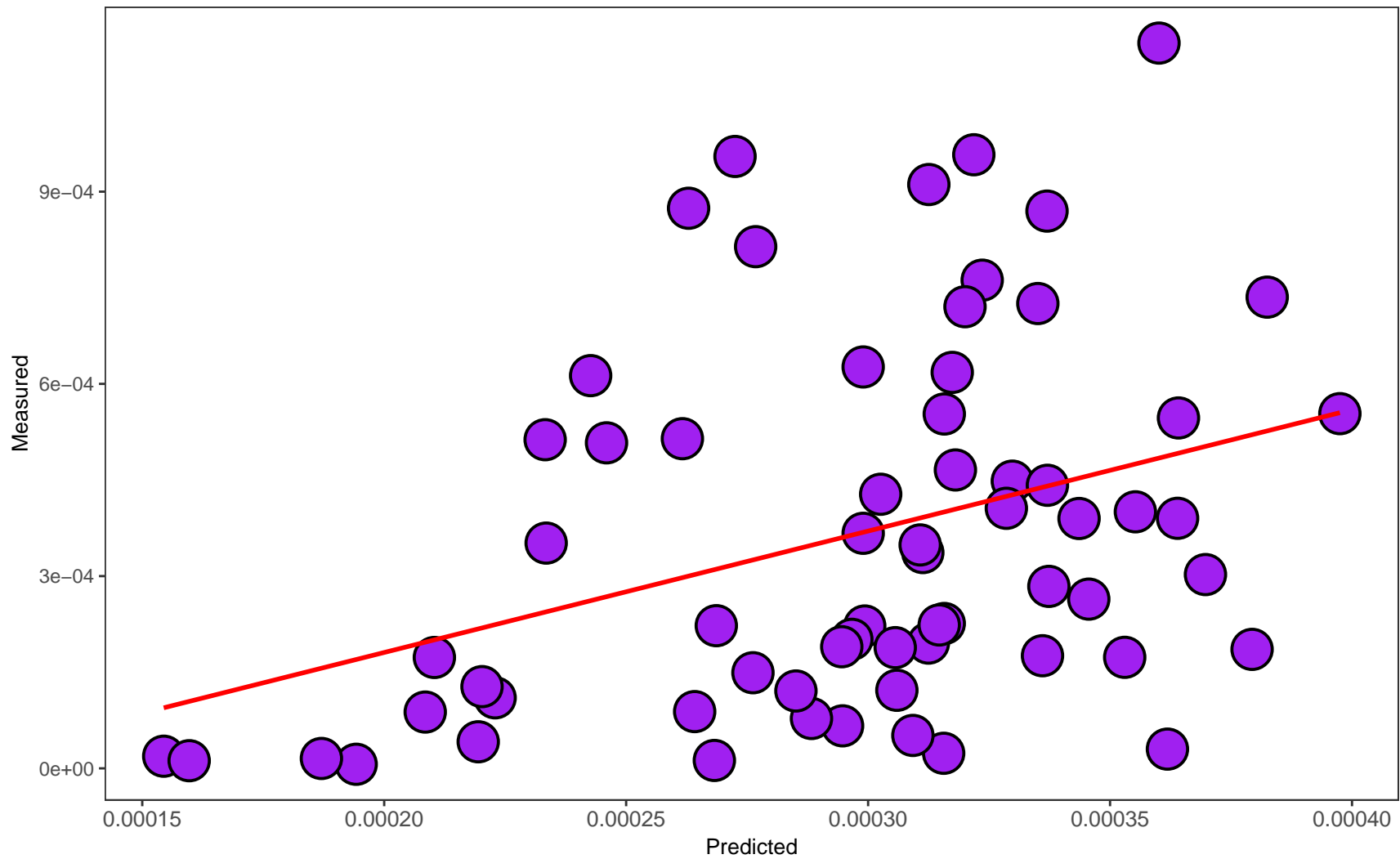
imidazole propionate (HILIC-pos\_Cluster\_0121): Spearman 0.53



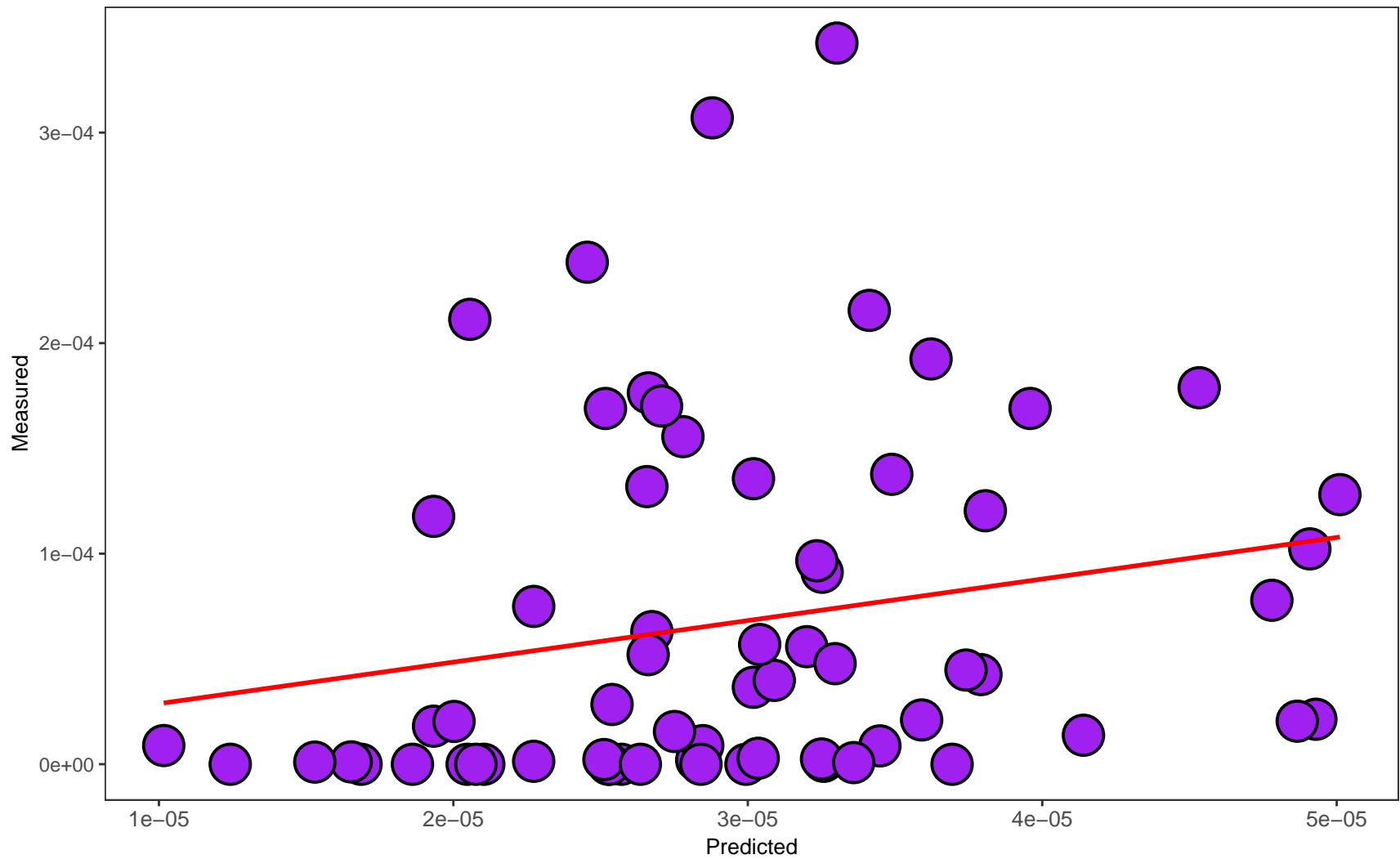
pyridoxamine (HILIC-pos\_Cluster\_0184): Spearman 0.33



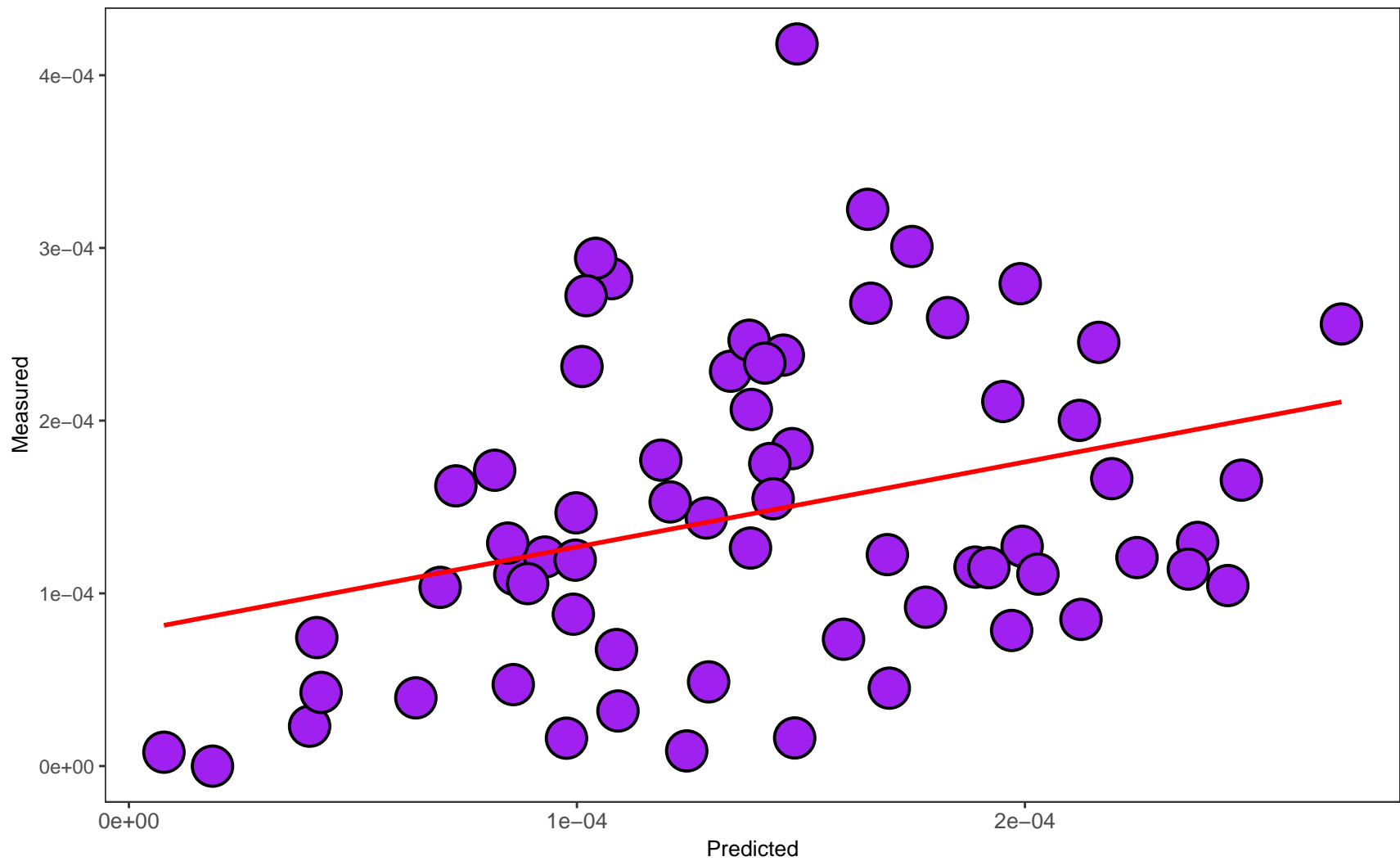
7-methylguanine (HILIC-pos\_Cluster\_0246): Spearman 0.41



3-methylxanthine (HILIC-pos\_Cluster\_0254): Spearman 0.36

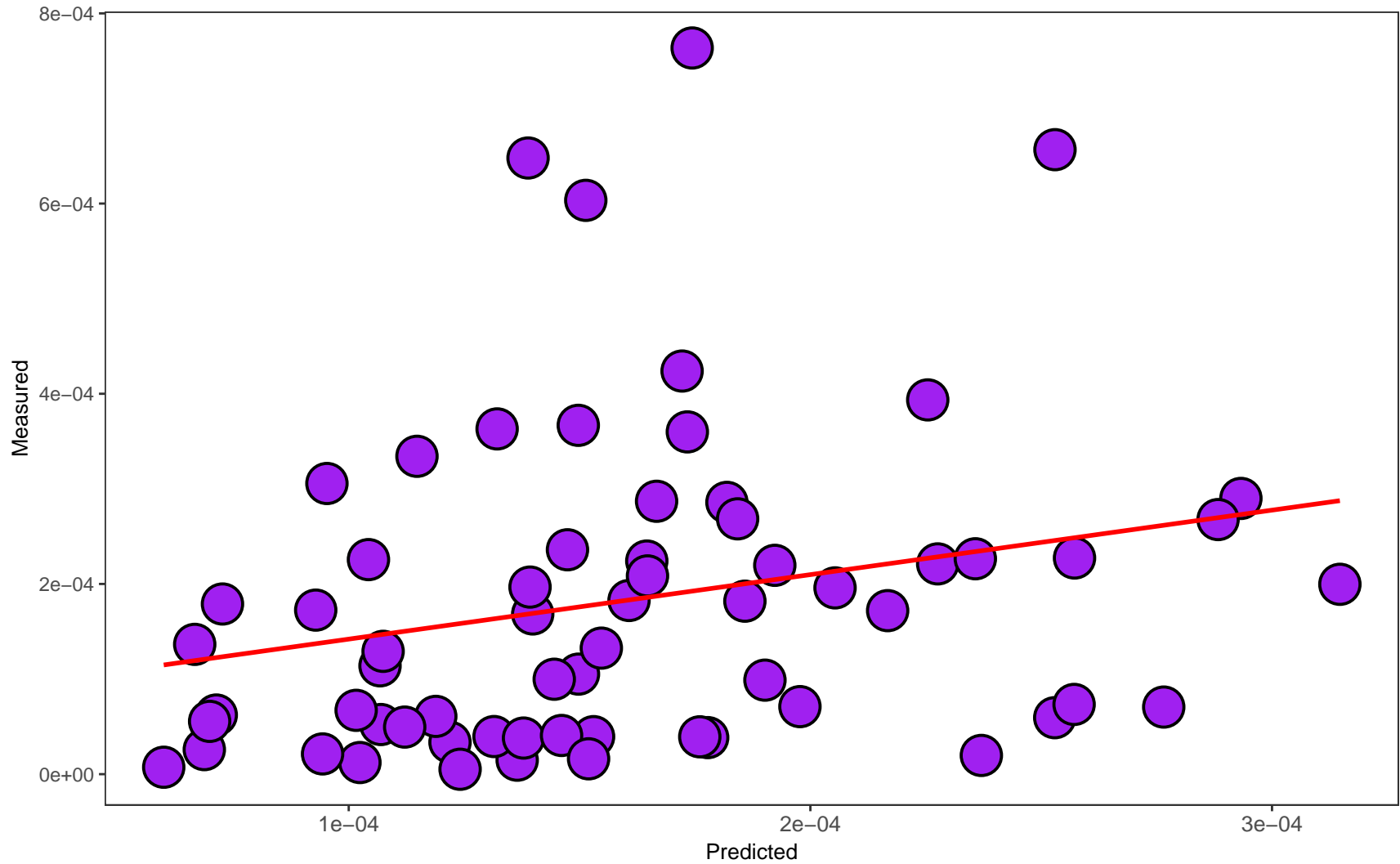


pyridoxamine (HILIC-pos\_Cluster\_0268): Spearman 0.33

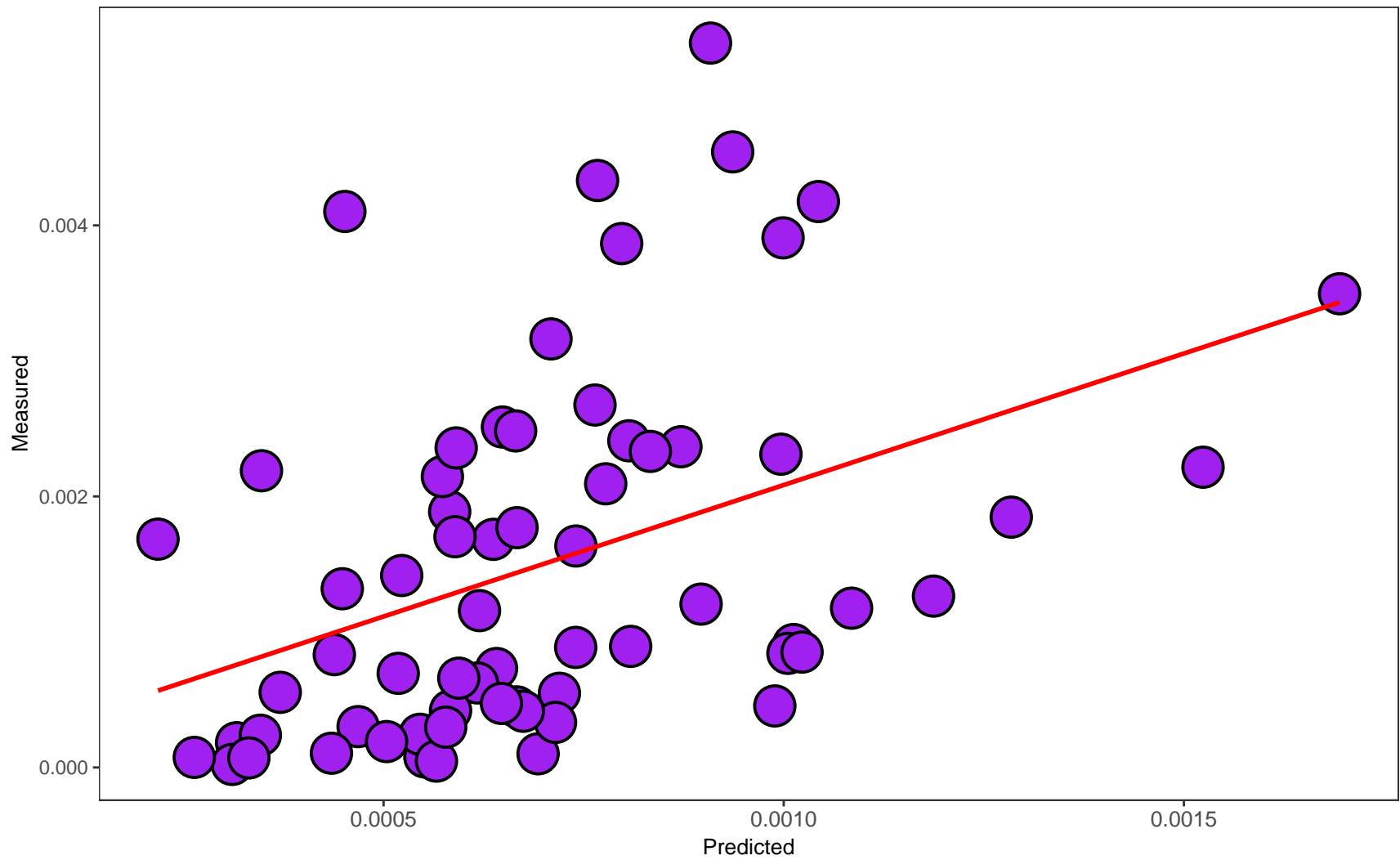




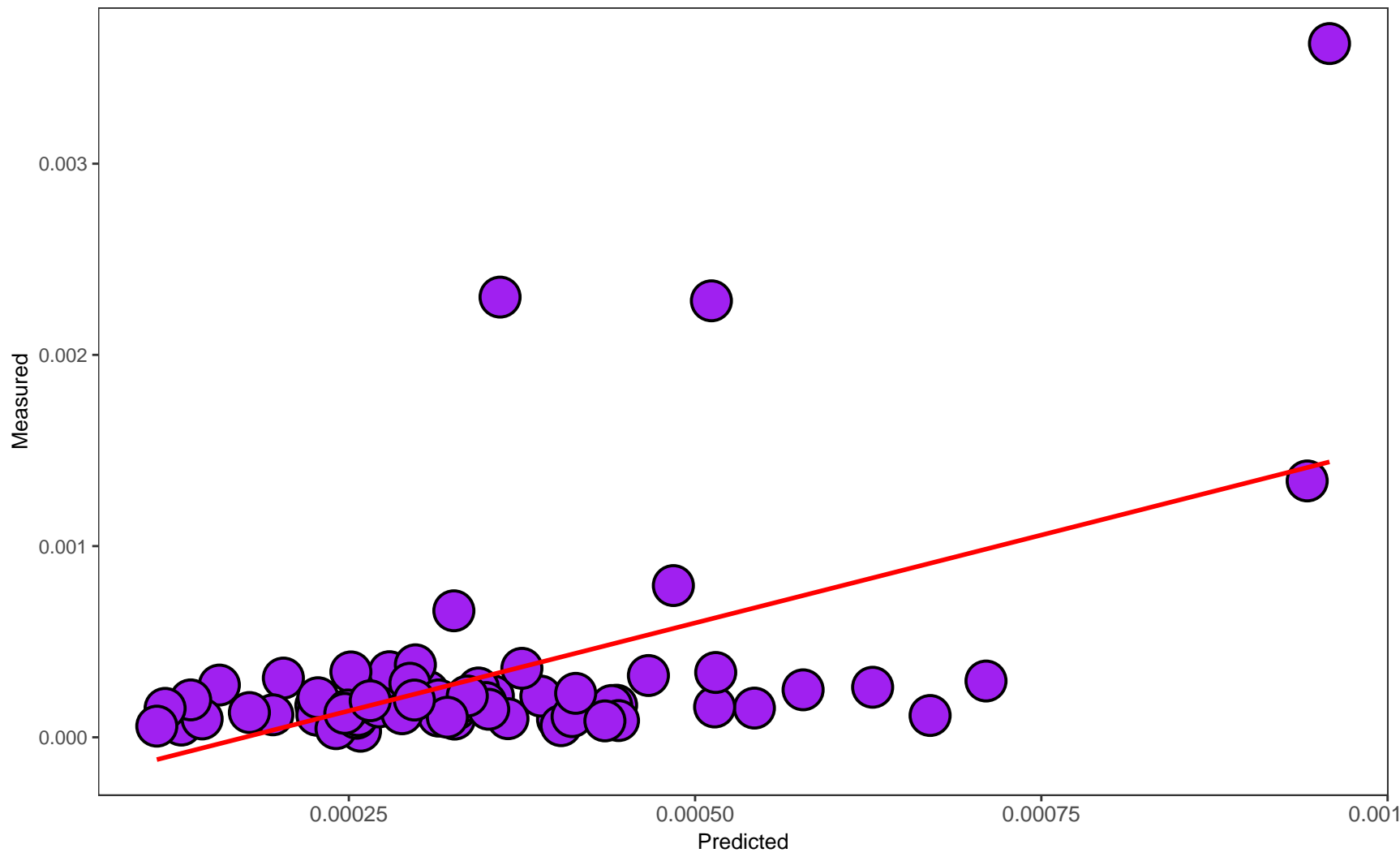
dimethyllysine (HILIC-pos\_Cluster\_0298): Spearman 0.35



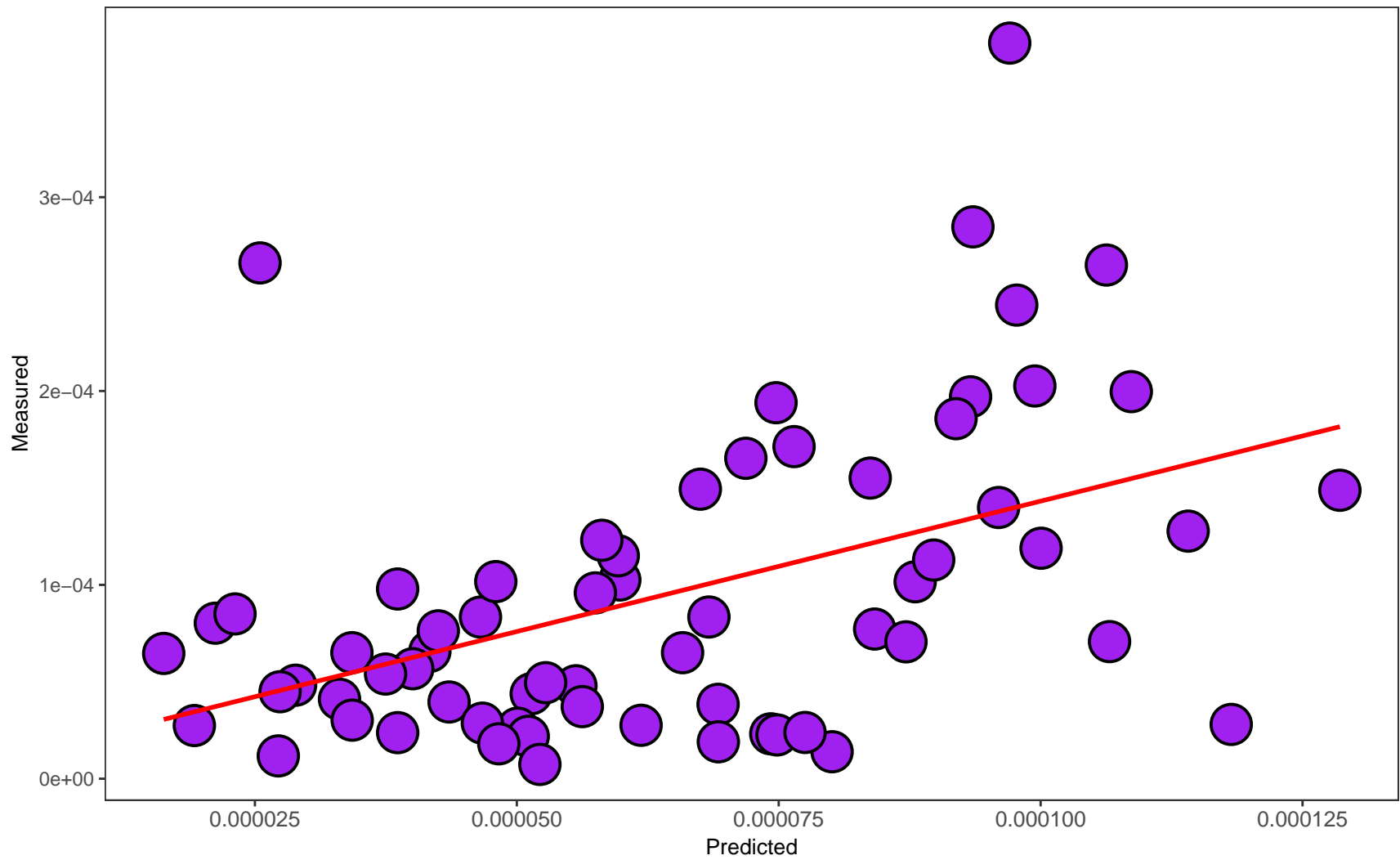
N-acetylspermidine (HILIC-pos\_Cluster\_0374): Spearman 0.51



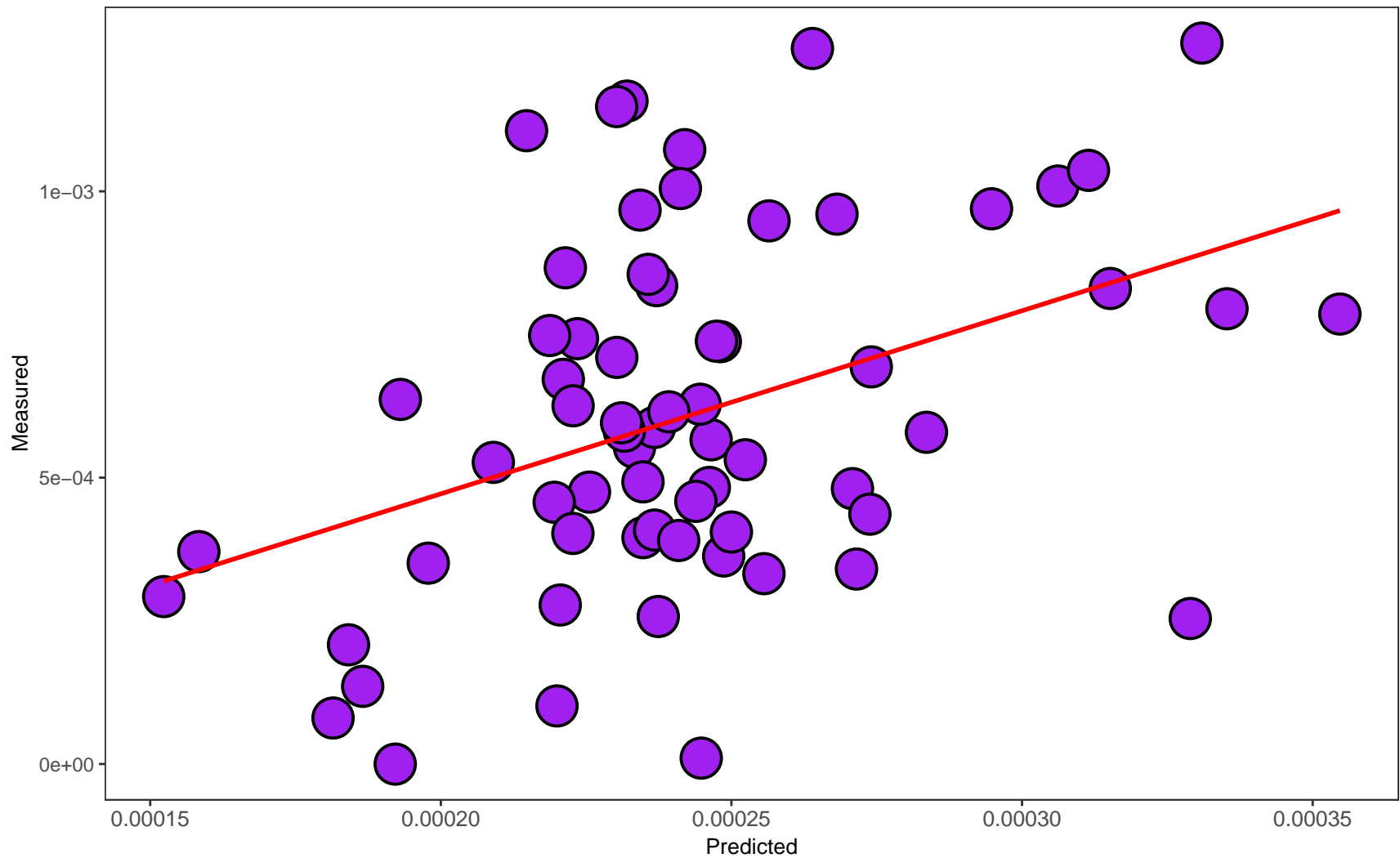
trimethyllysine (HILIC-pos\_Cluster\_0379): Spearman 0.32



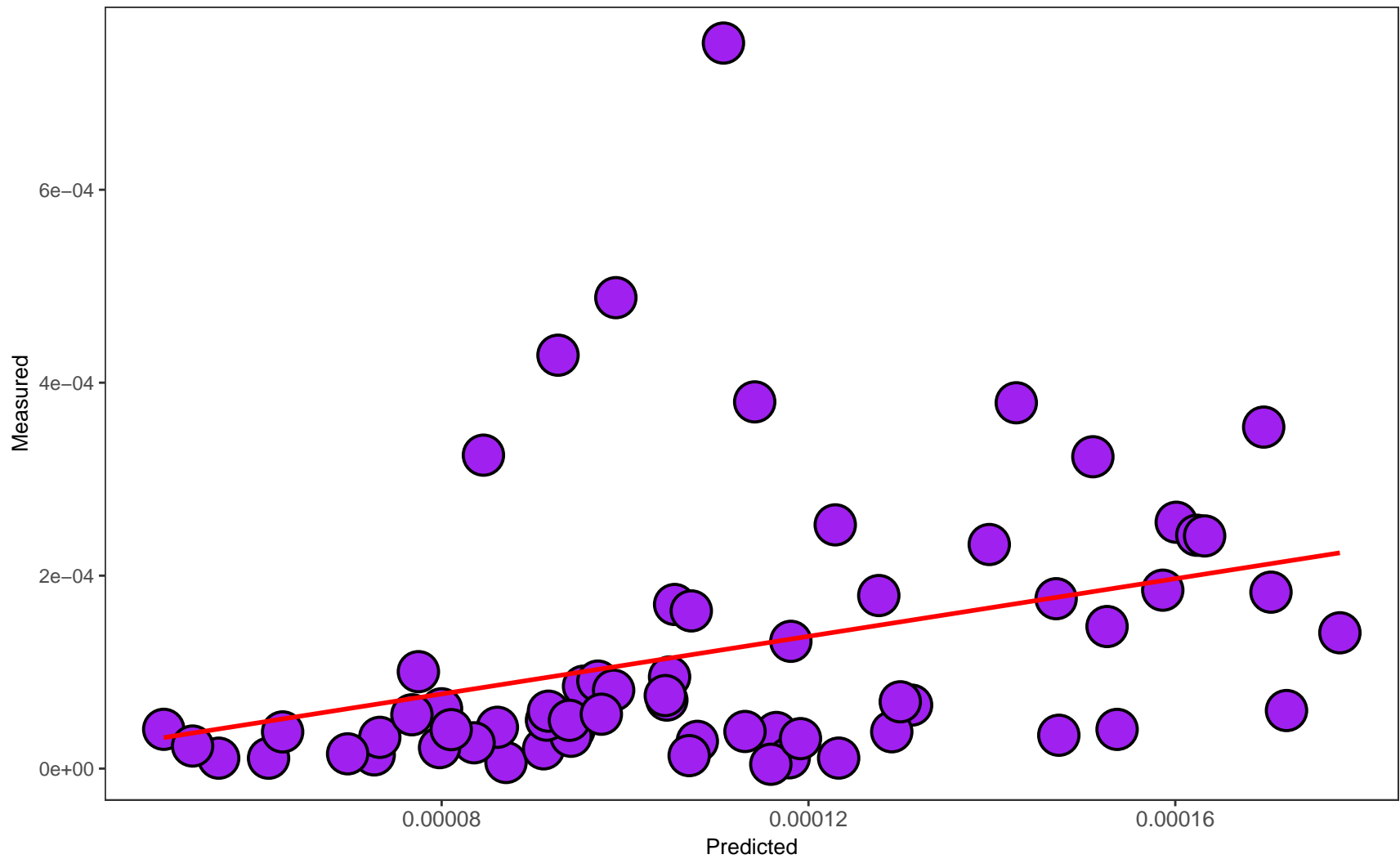
N-acetylglutamic acid (HILIC-pos\_Cluster\_0384): Spearman 0.45



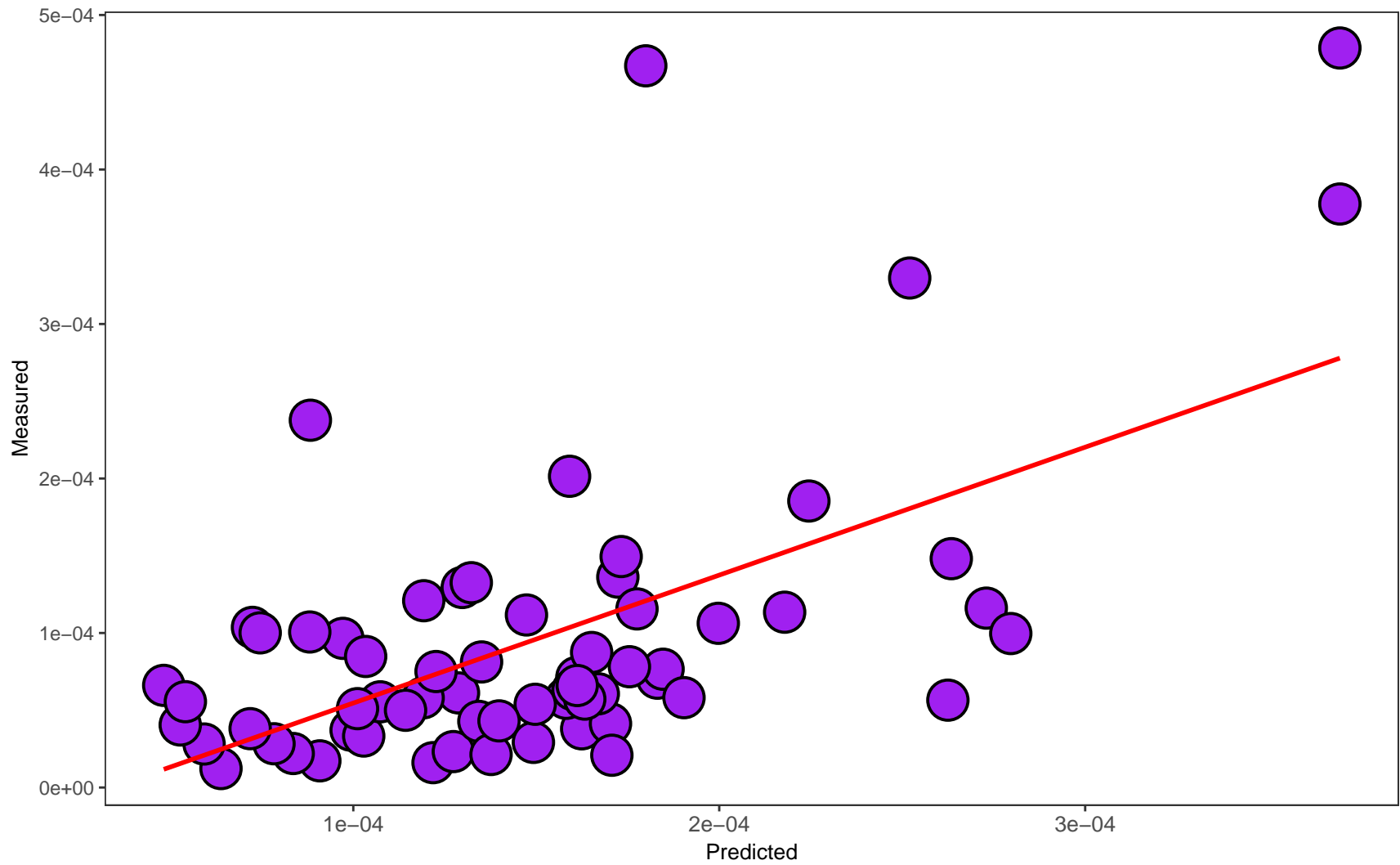
N-acetylhistidine (HILIC-pos\_Cluster\_0419): Spearman 0.33



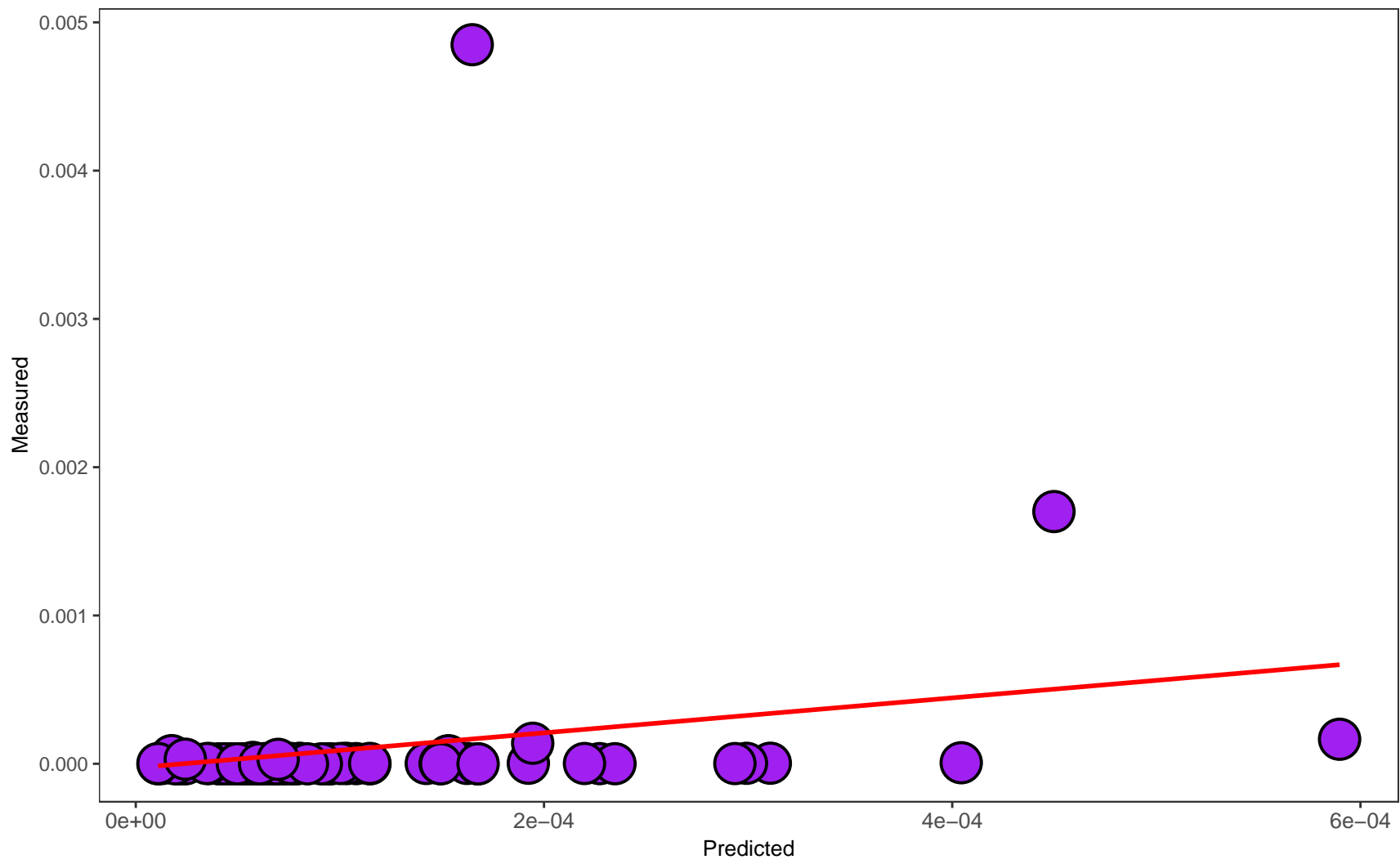
ADMA/SDMA\* (HILIC-pos\_Cluster\_0446): Spearman 0.48



ADMA (HILIC-pos\_Cluster\_0447): Spearman 0.47

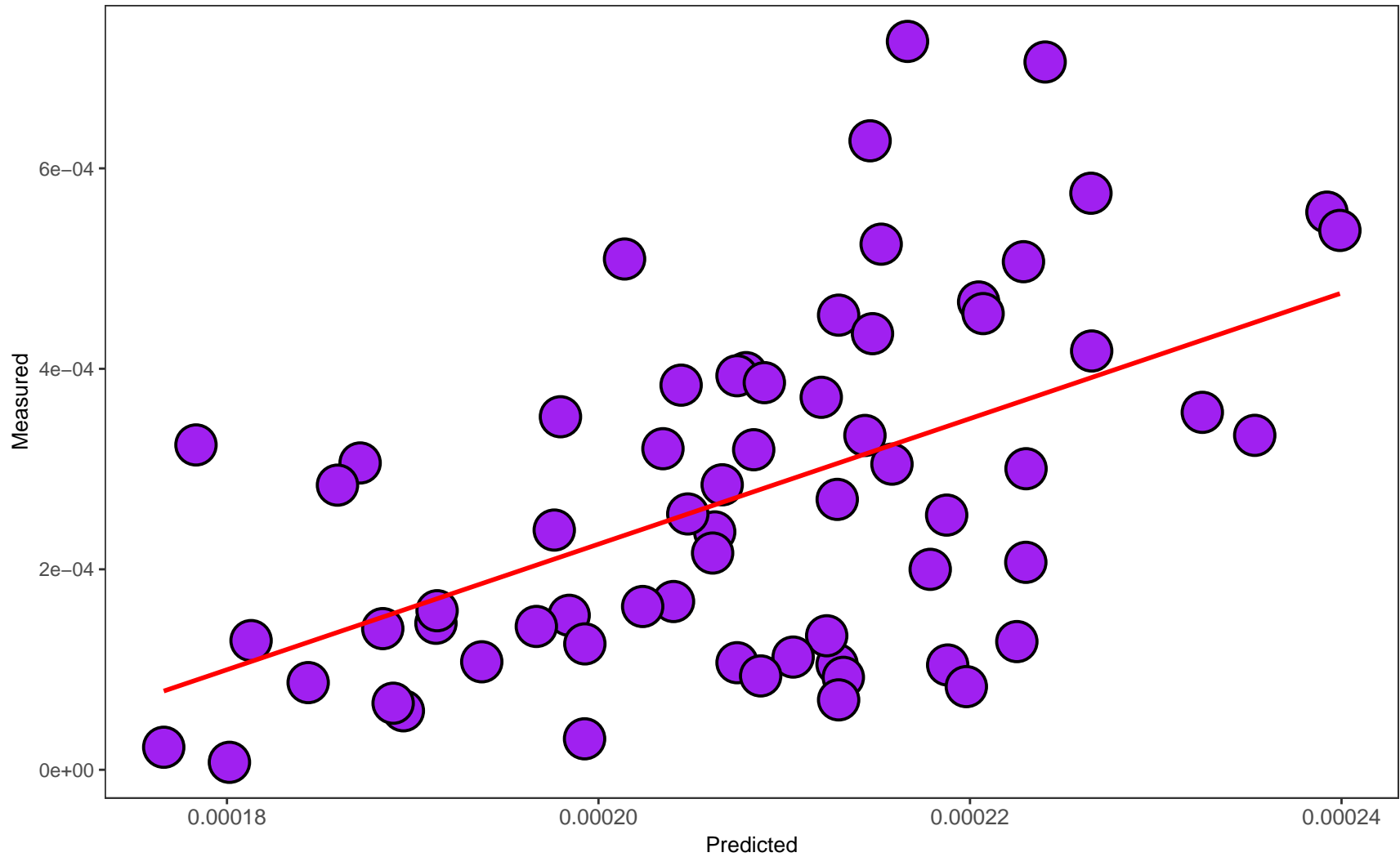


C2 carnitine (HILIC-pos\_Cluster\_0453): Spearman 0.39

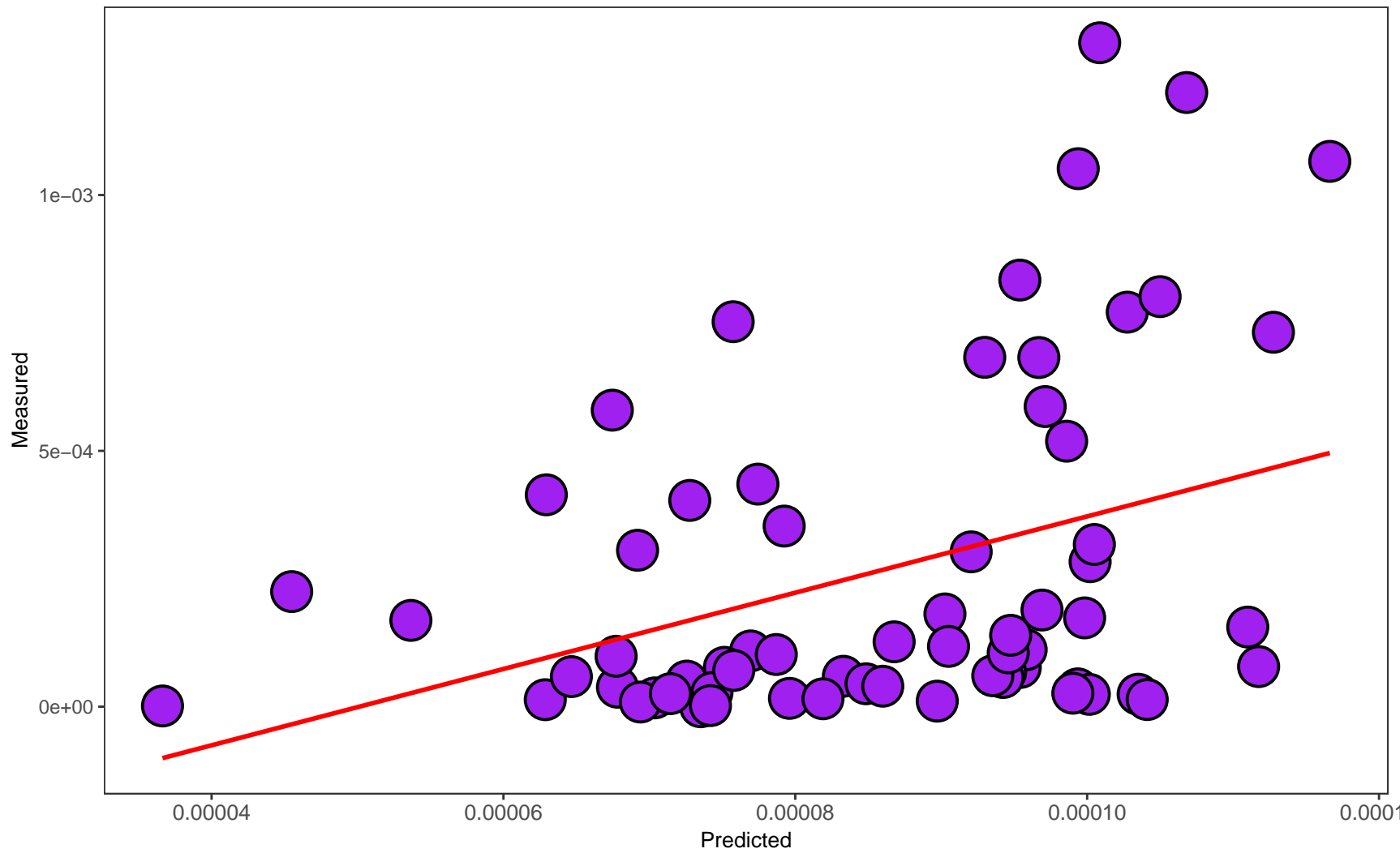




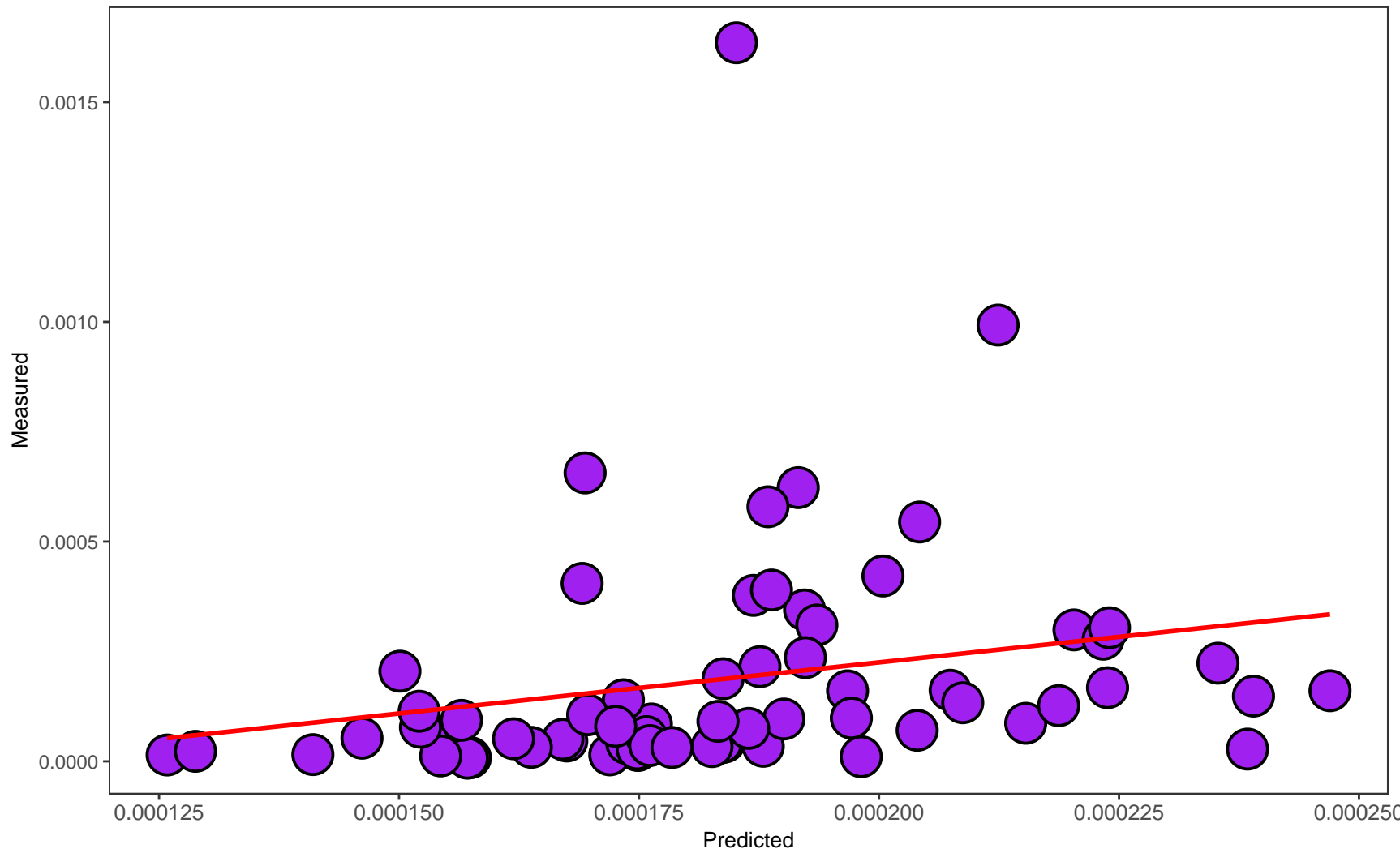
pantothenate (HILIC-pos\_Cluster\_0540): Spearman 0.5



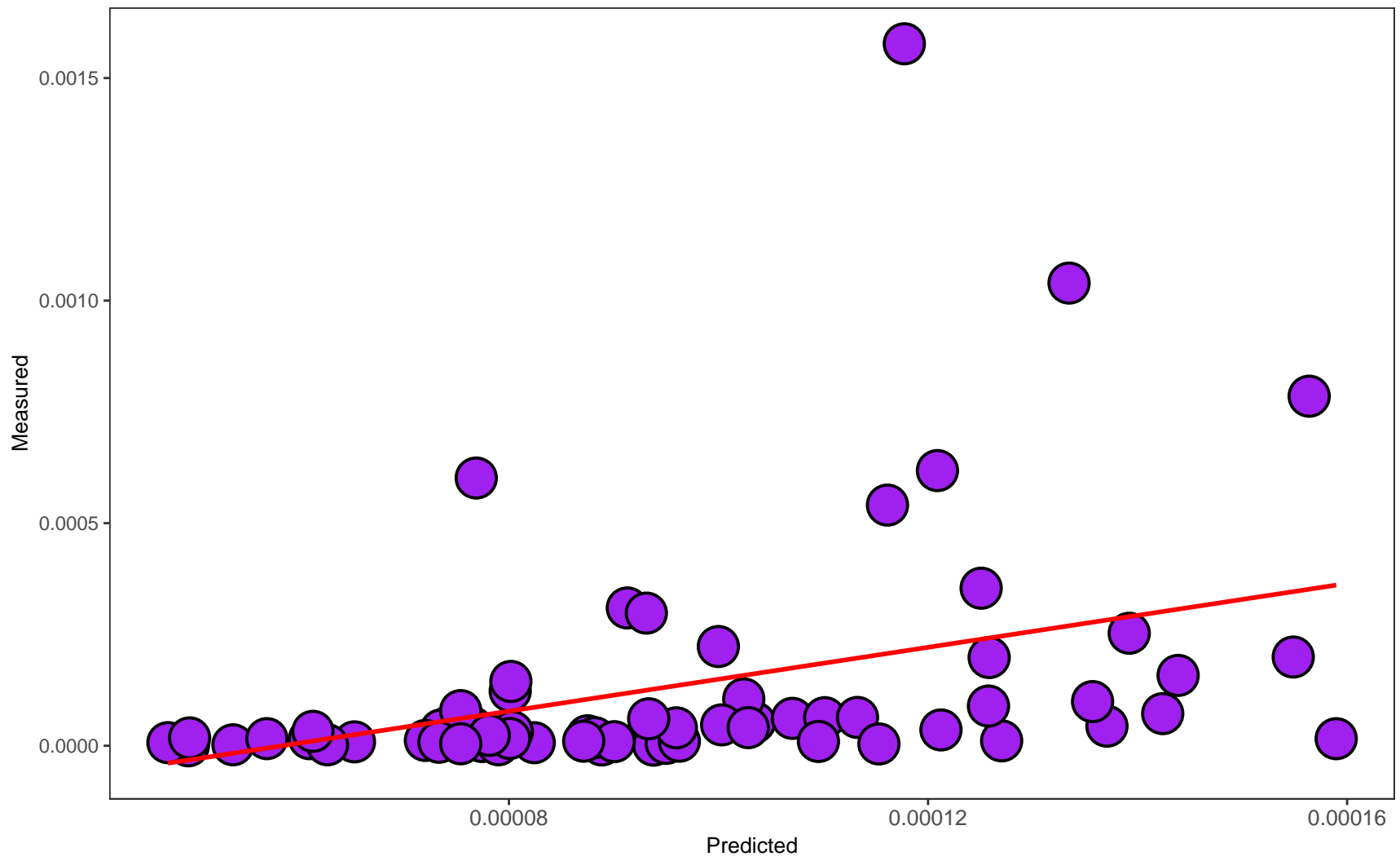
inosine (HILIC-pos\_Cluster\_0822): Spearman 0.36



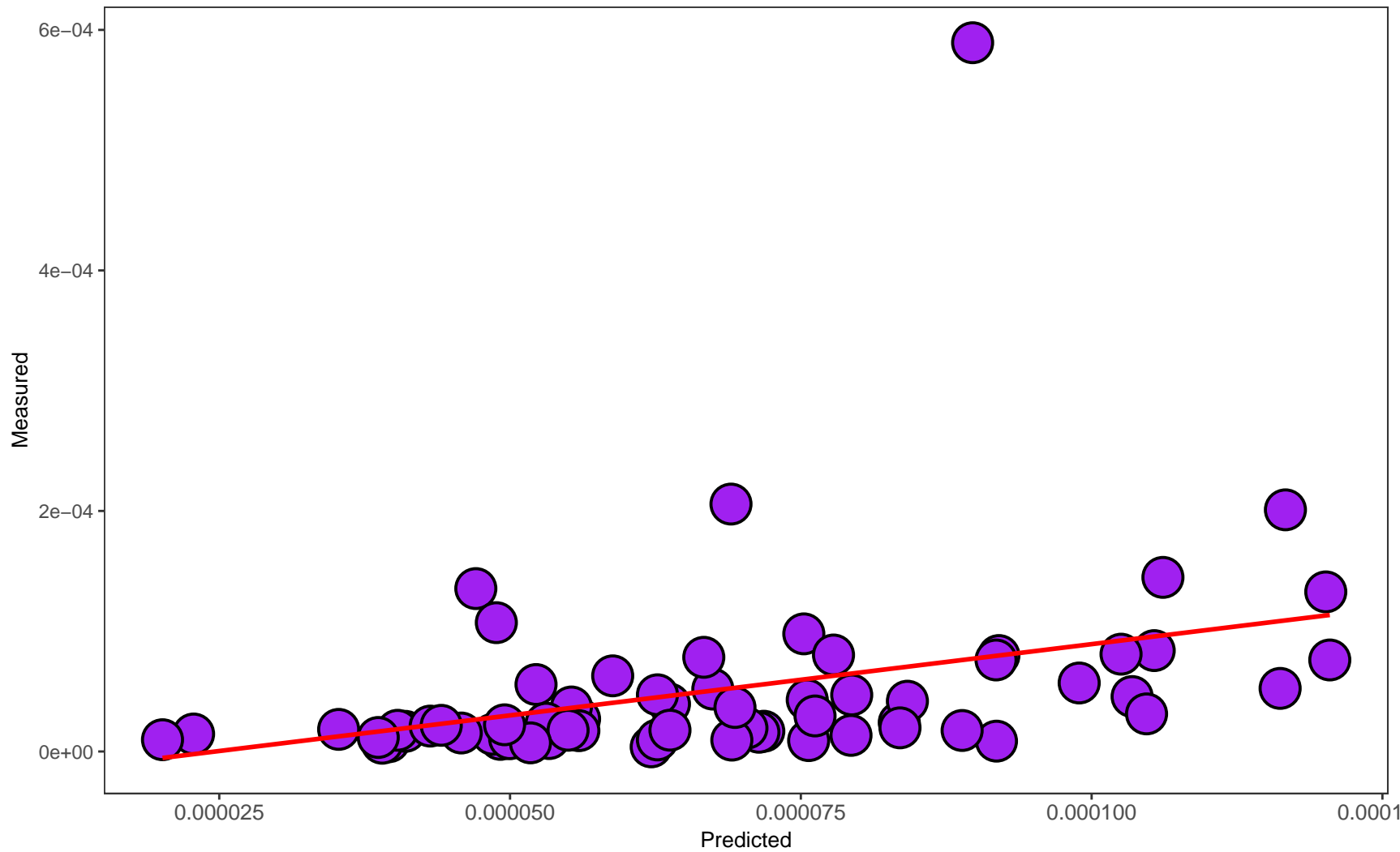
threosphingosine (HILIC-pos\_Cluster\_0906): Spearman 0.49



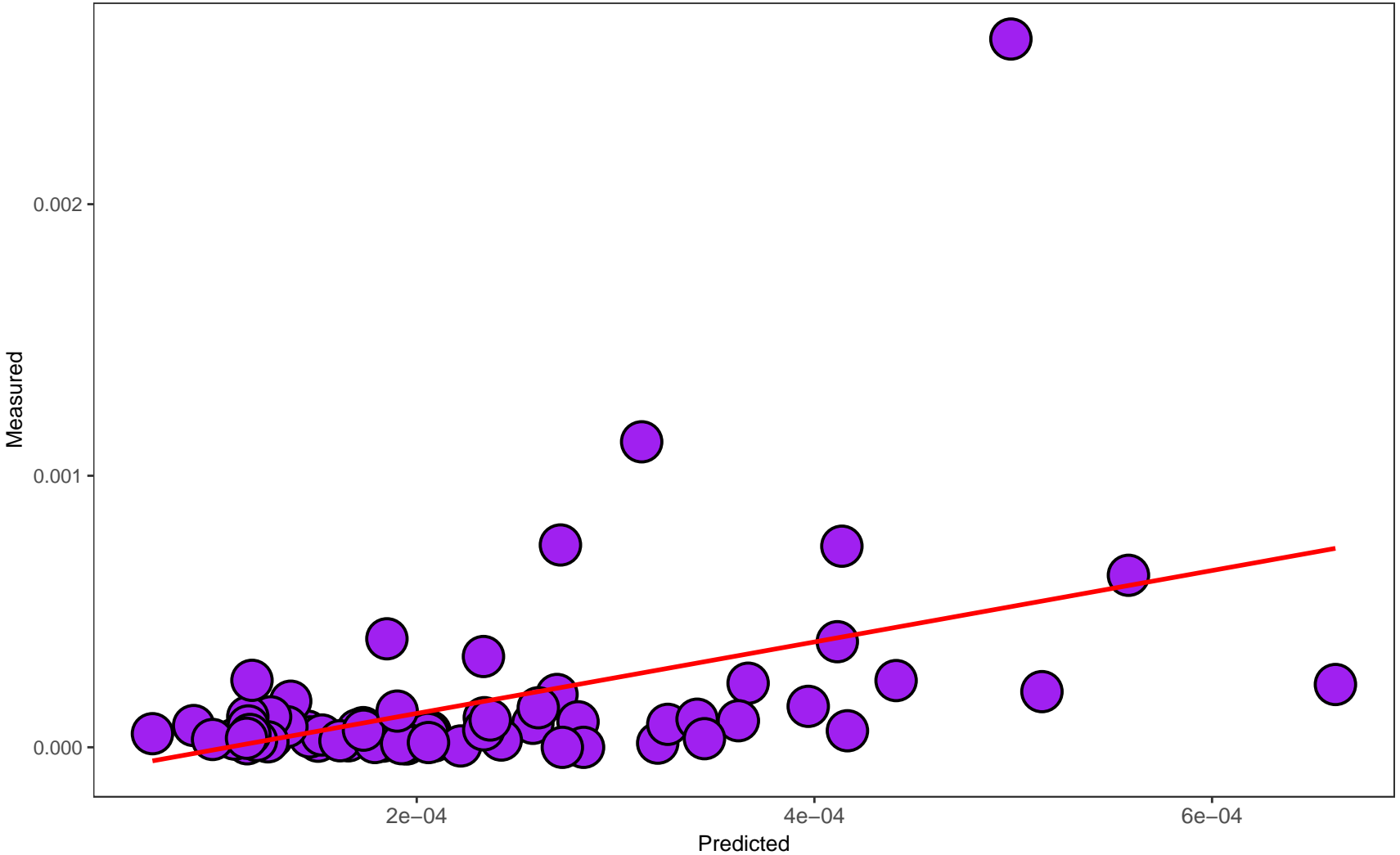
diacetylspermine (HILIC-pos\_Cluster\_0936): Spearman 0.54



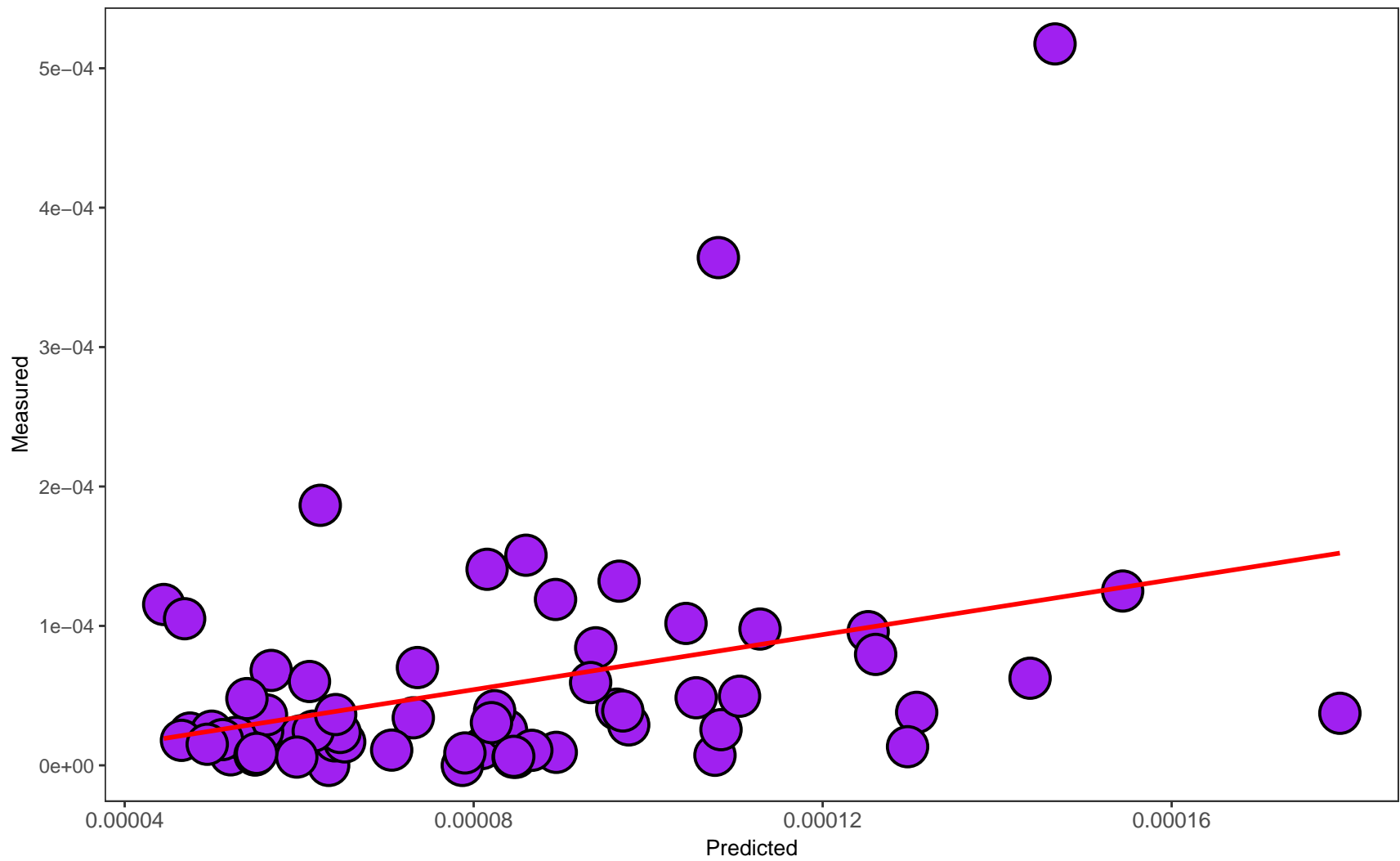
phytosphingosine (HILIC-pos\_Cluster\_1113): Spearman 0.52



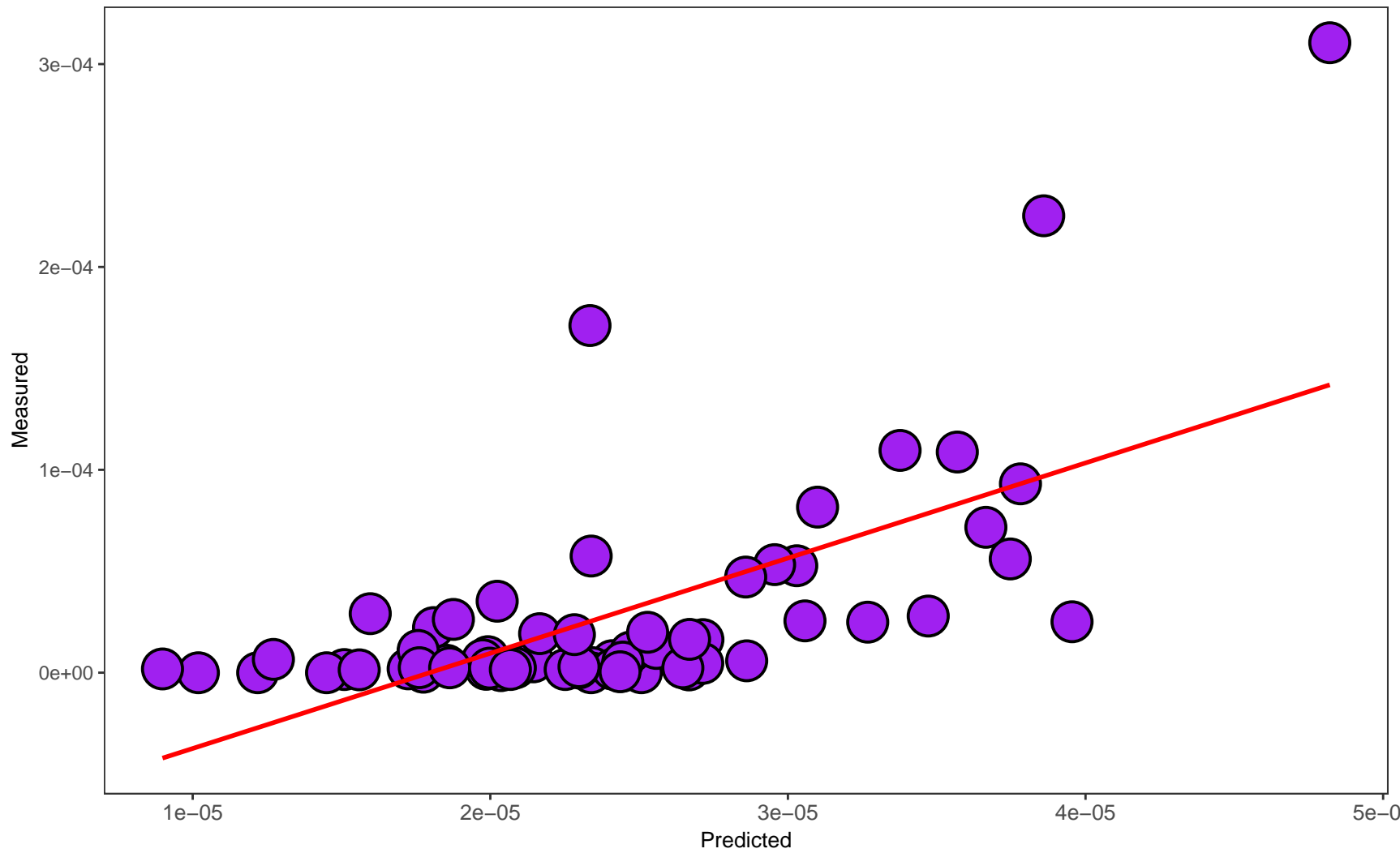
linoleoyl ethanolamide (HILIC-pos\_Cluster\_1148): Spearman 0.4



linoleoyl ethanolamide (HILIC-pos\_Cluster\_1160): Spearman 0.34

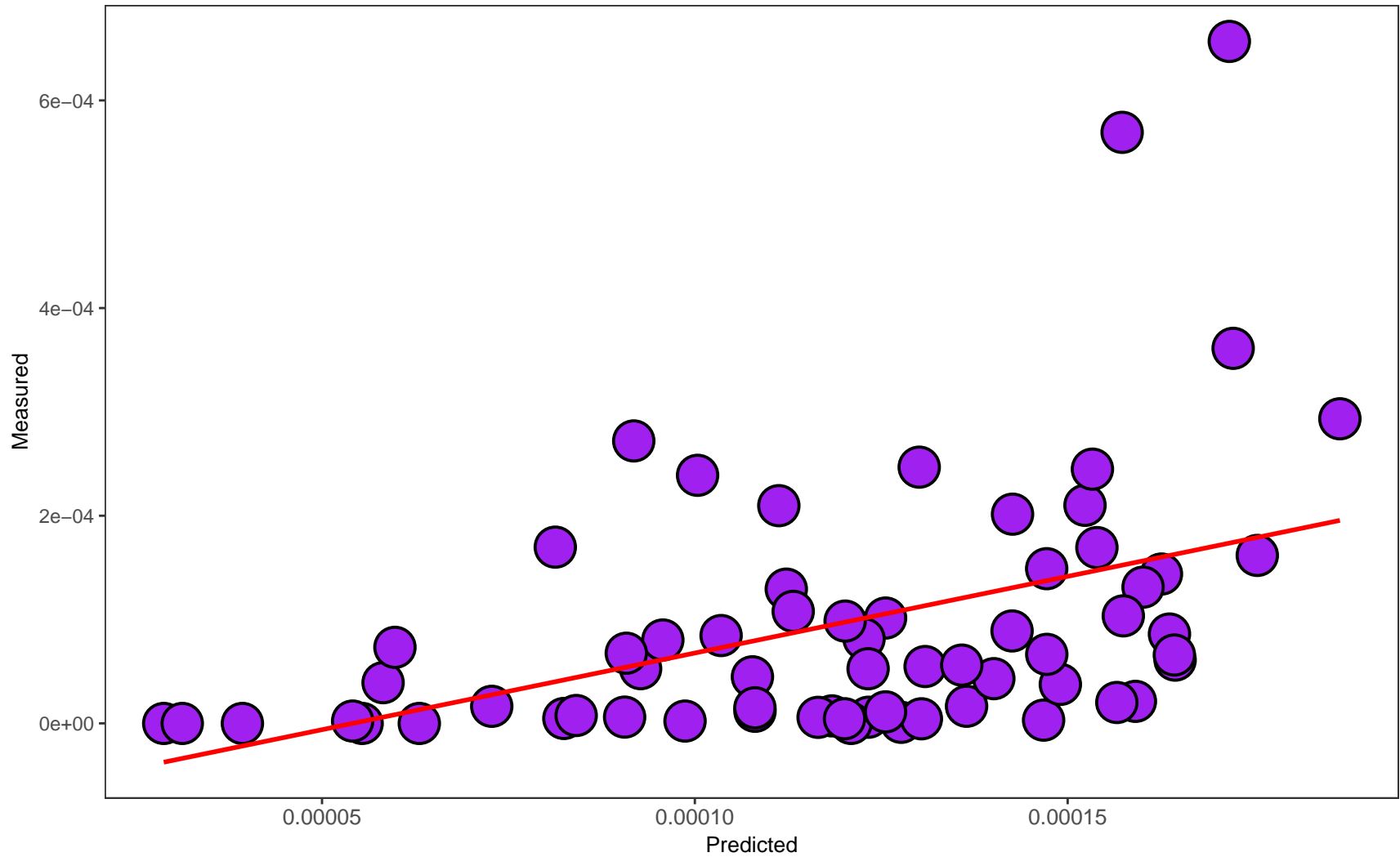


C16 carnitine (HILIC-pos\_Cluster\_1486): Spearman 0.59

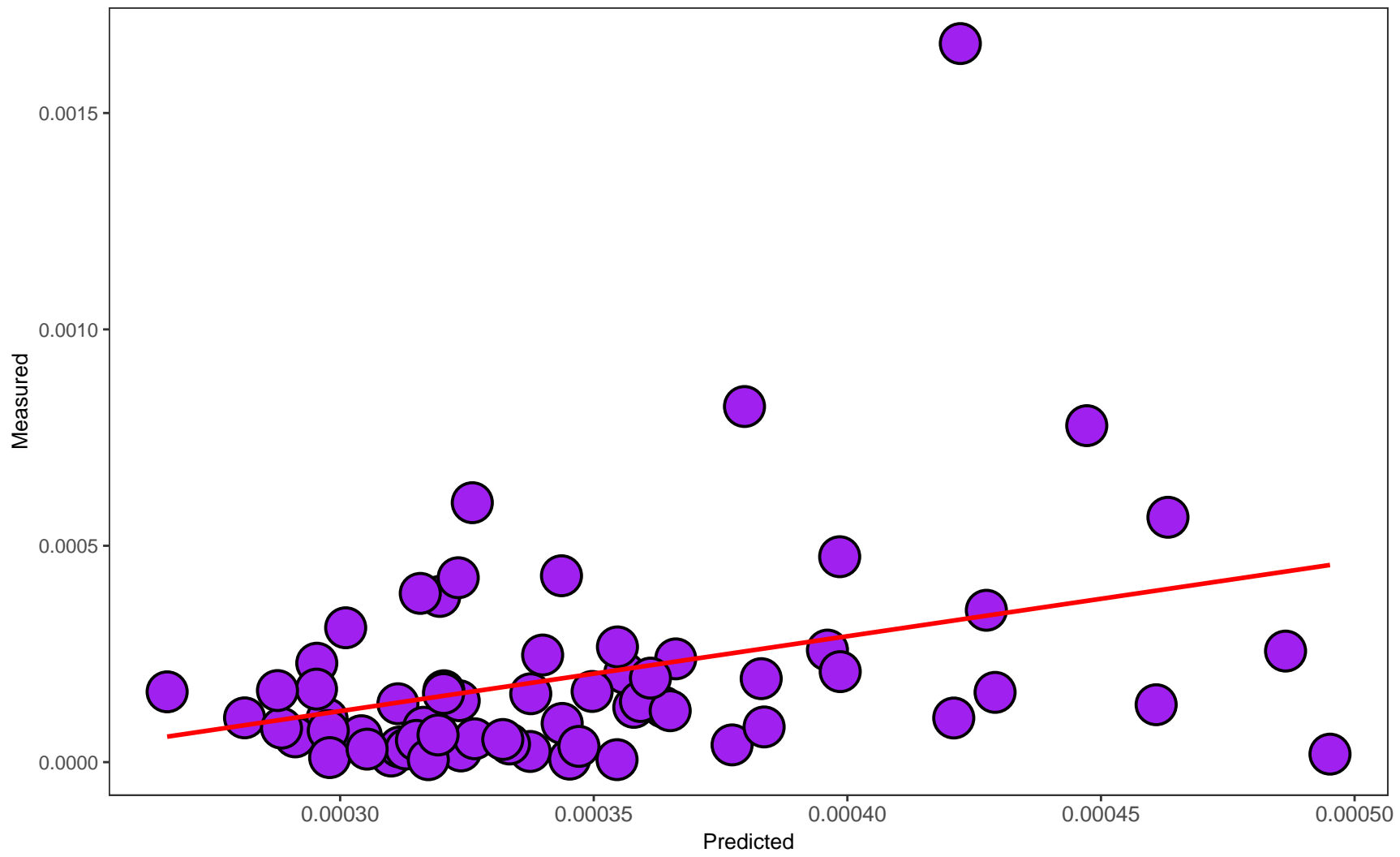




C20:4 carnitine (HILIC-pos\_Cluster\_1673): Spearman 0.51



bilirubin (HILIC-pos\_Cluster\_2052): Spearman 0.31



urobilin\* (HILIC-pos\_Cluster\_2093): Spearman 0.77

