

# **Correlations between biomarker values before and after recalibration (phase 1, spectrometer 3)**

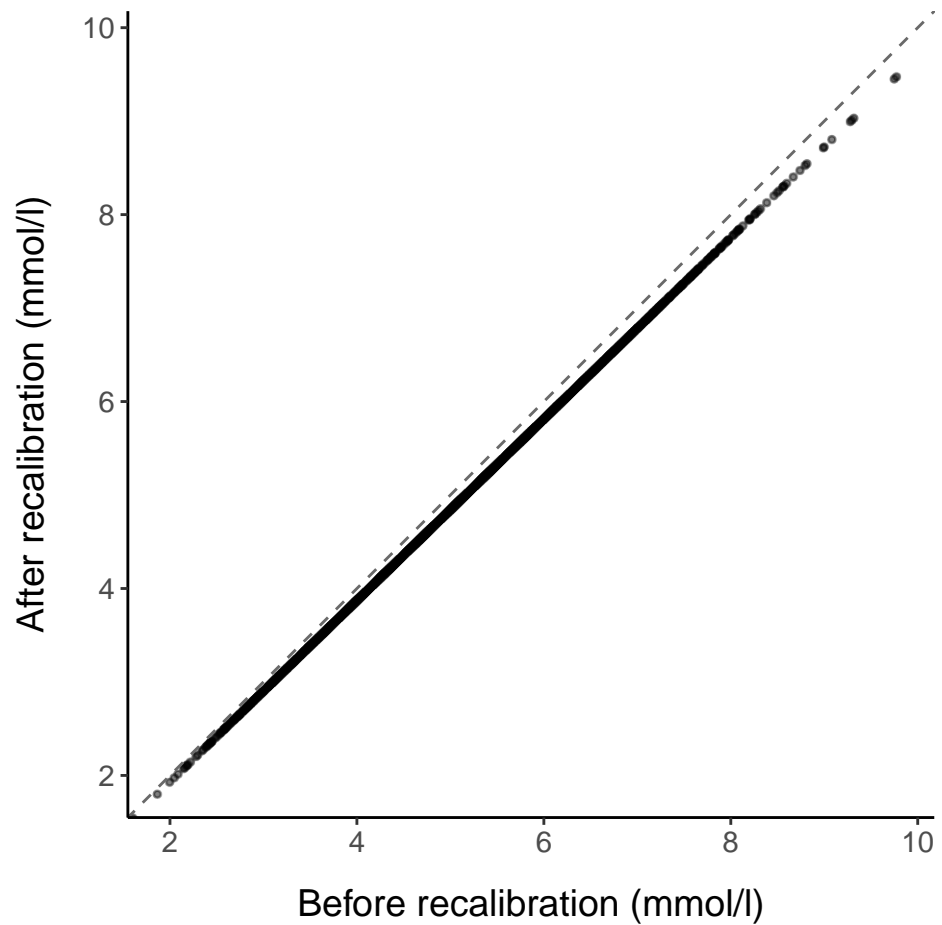
Outliers 4 × IQR from median removed

Nightingale Health Plc.

# Cholesterol

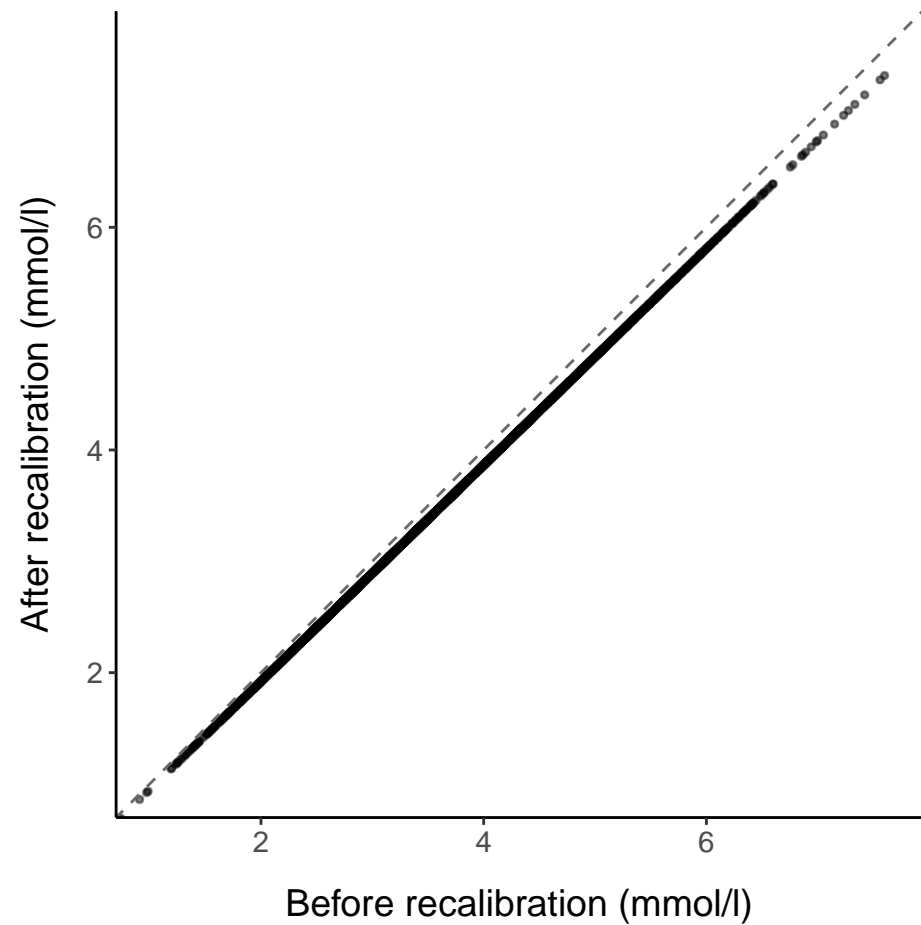
### Total\_C

R: 1  
 $y = -0.02 + 0.97x$



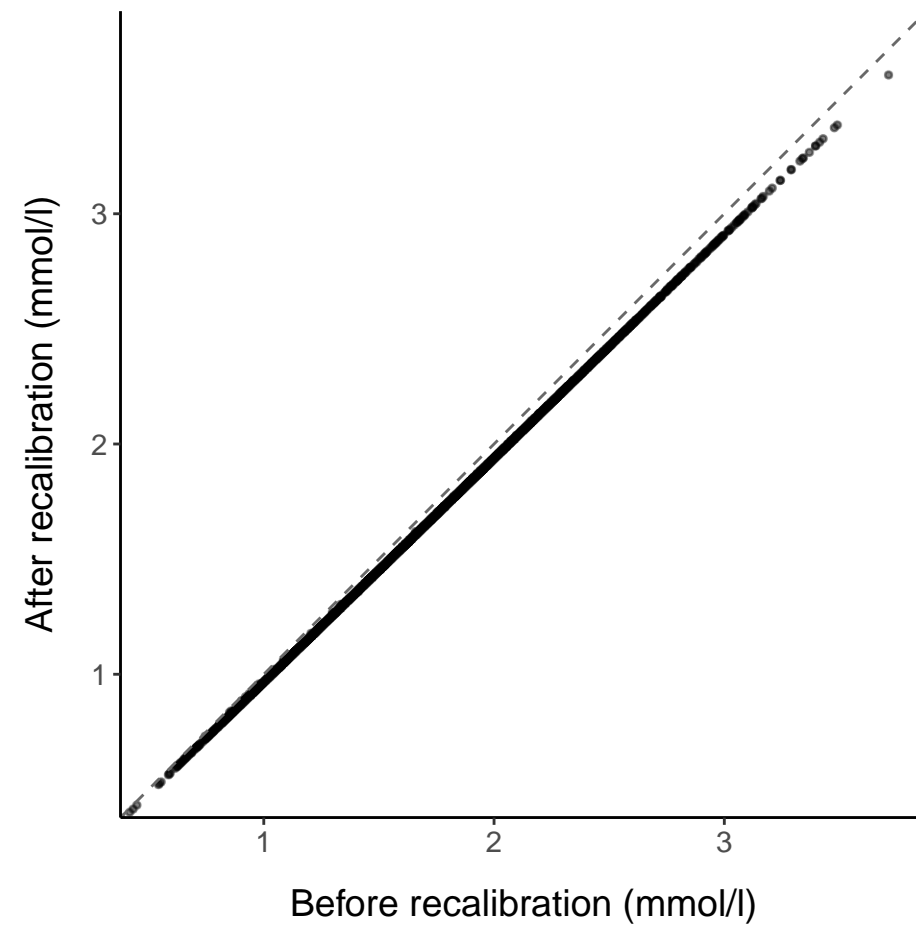
### non\_HDL\_C

R: 1  
 $y = -0.02 + 0.97x$



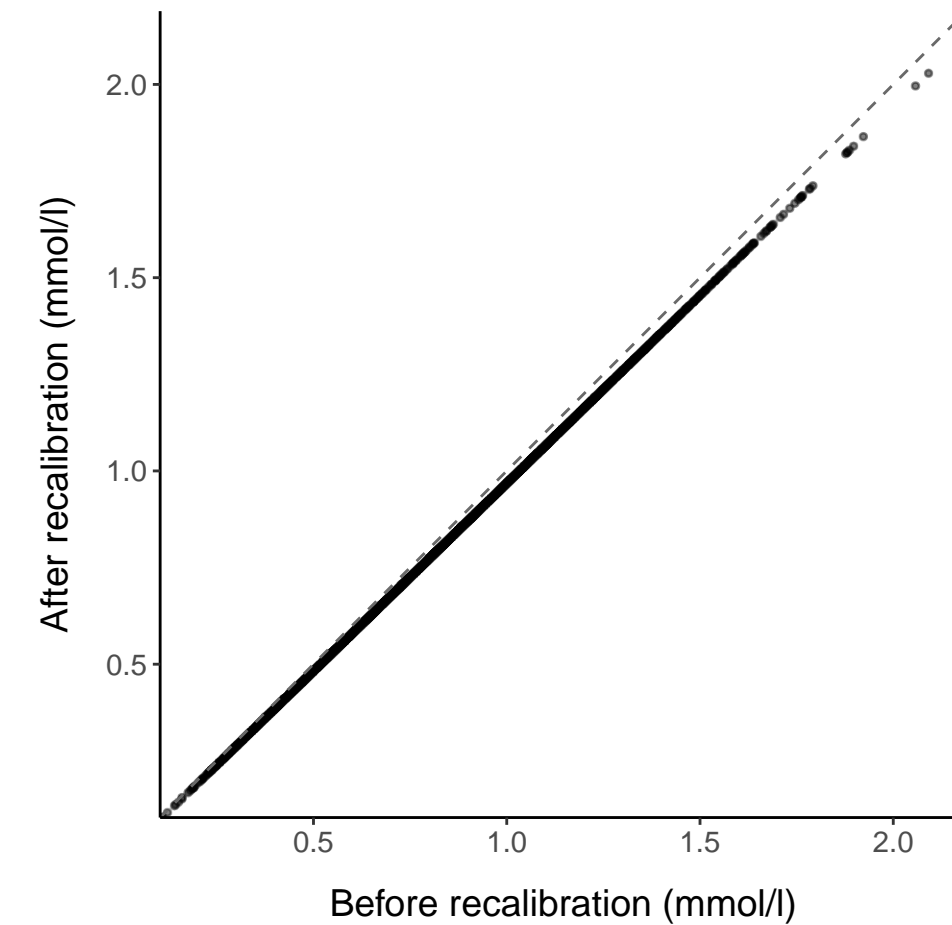
### Remnant\_C

R: 1  
 $y = -0.01 + 0.97x$



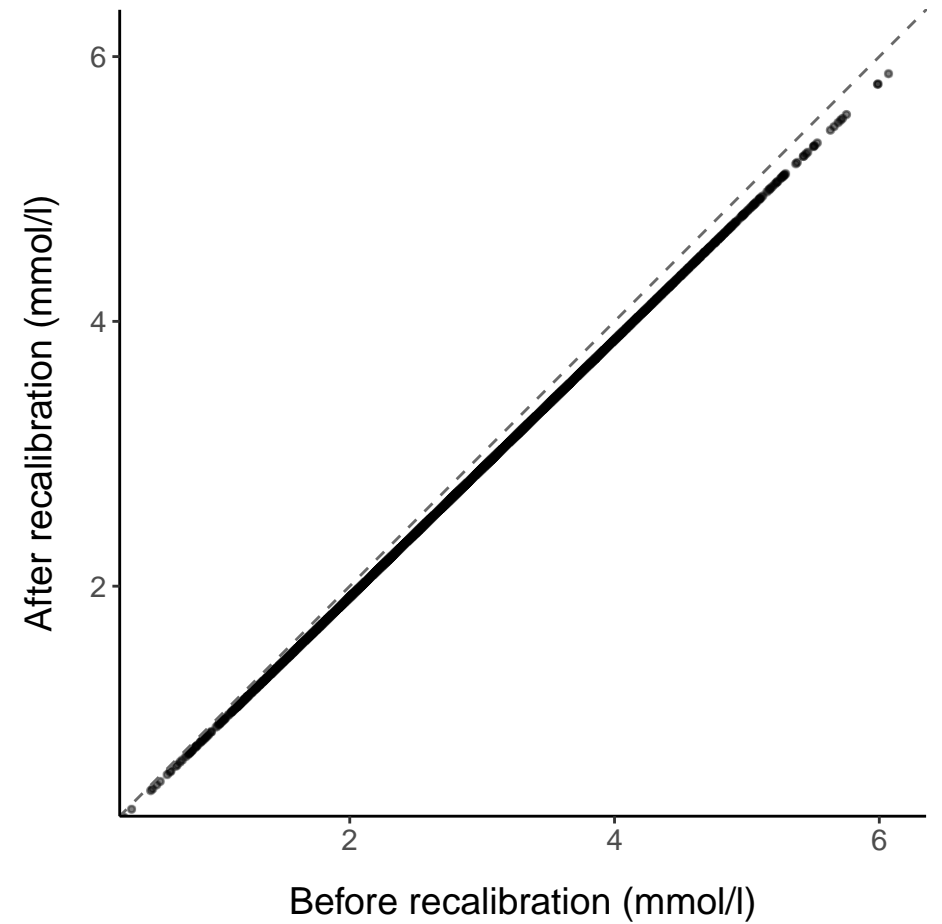
### VLDL\_C

R: 1  
 $y = -0.00 + 0.97x$



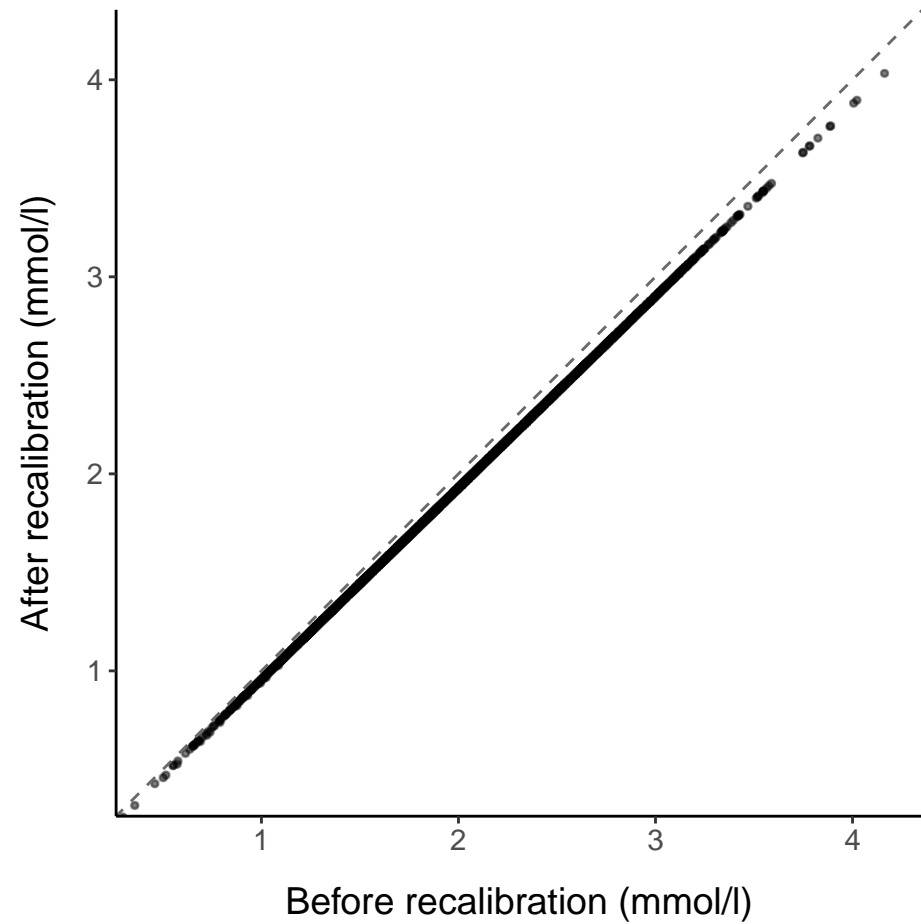
### Clinical\_LDL\_C

R: 1  
 $y = -0.03 + 0.97x$



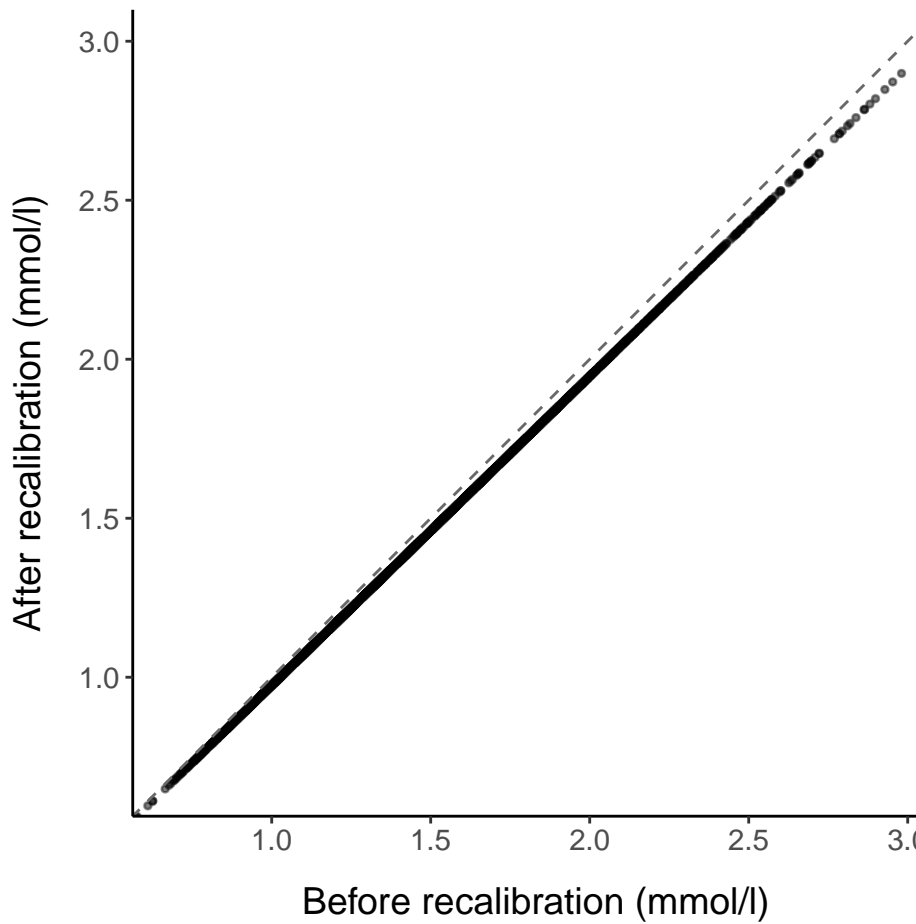
### LDL\_C

R: 1  
 $y = -0.01 + 0.97x$



### HDL\_C

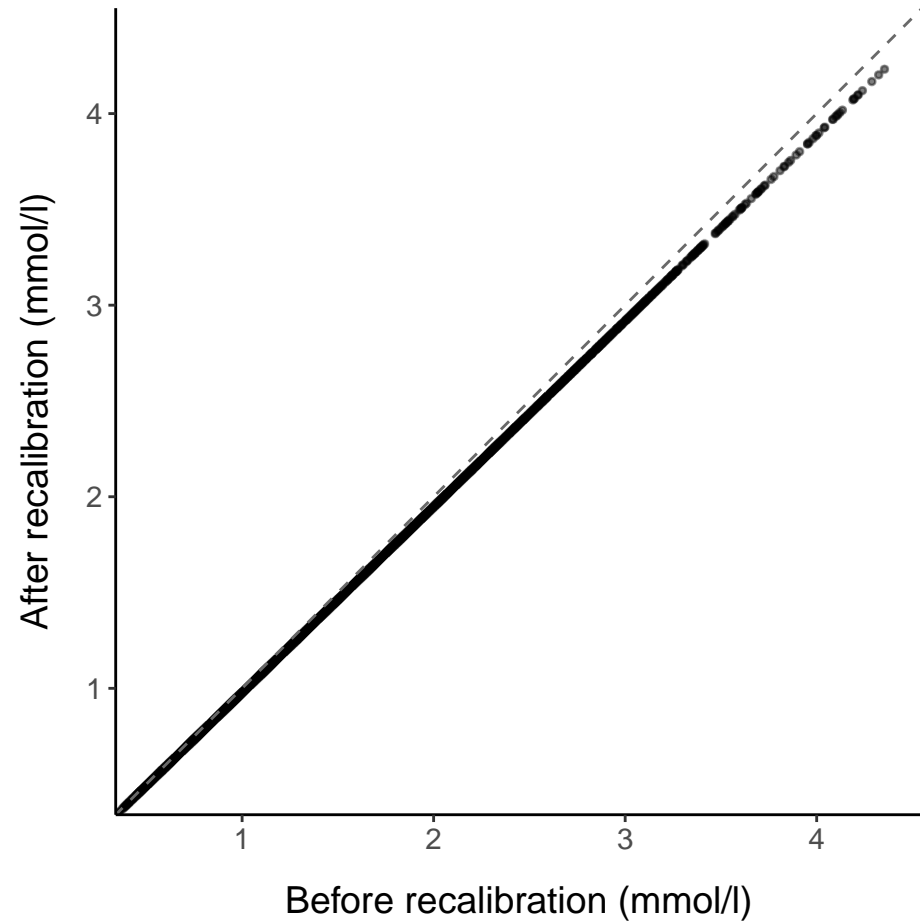
R: 1  
 $y = 0.00 + 0.97x$



# Triglycerides

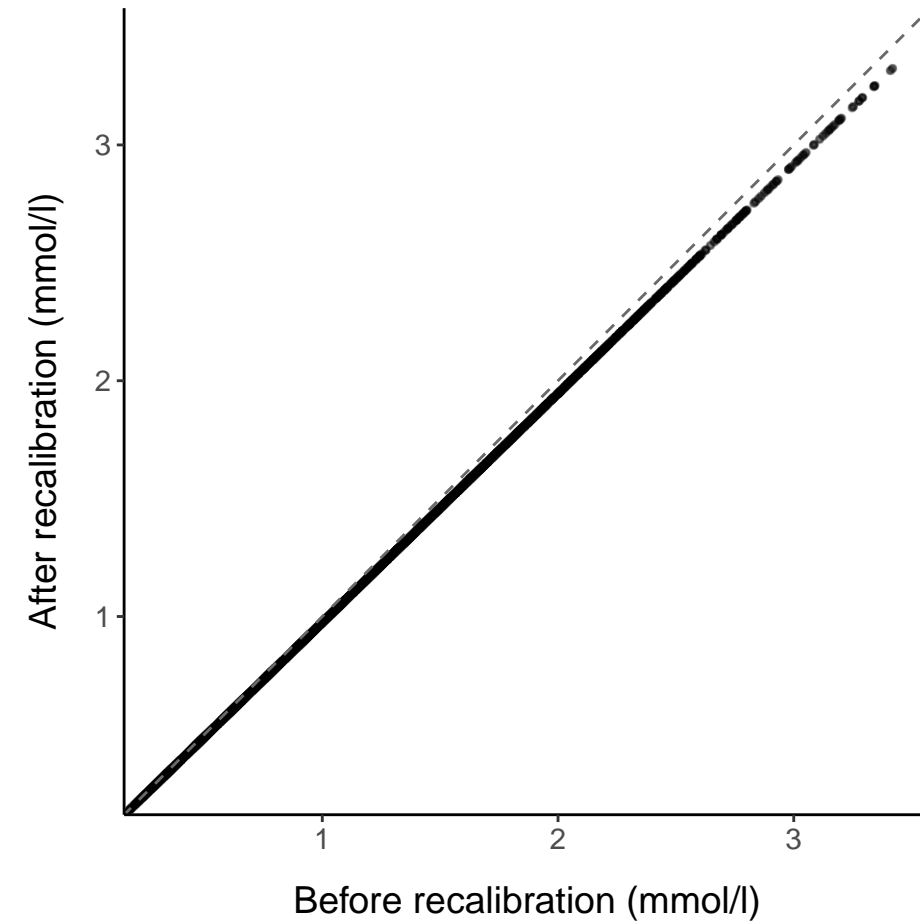
## Total\_TG

R: 1  
 $y = 0.00 + 0.97x$



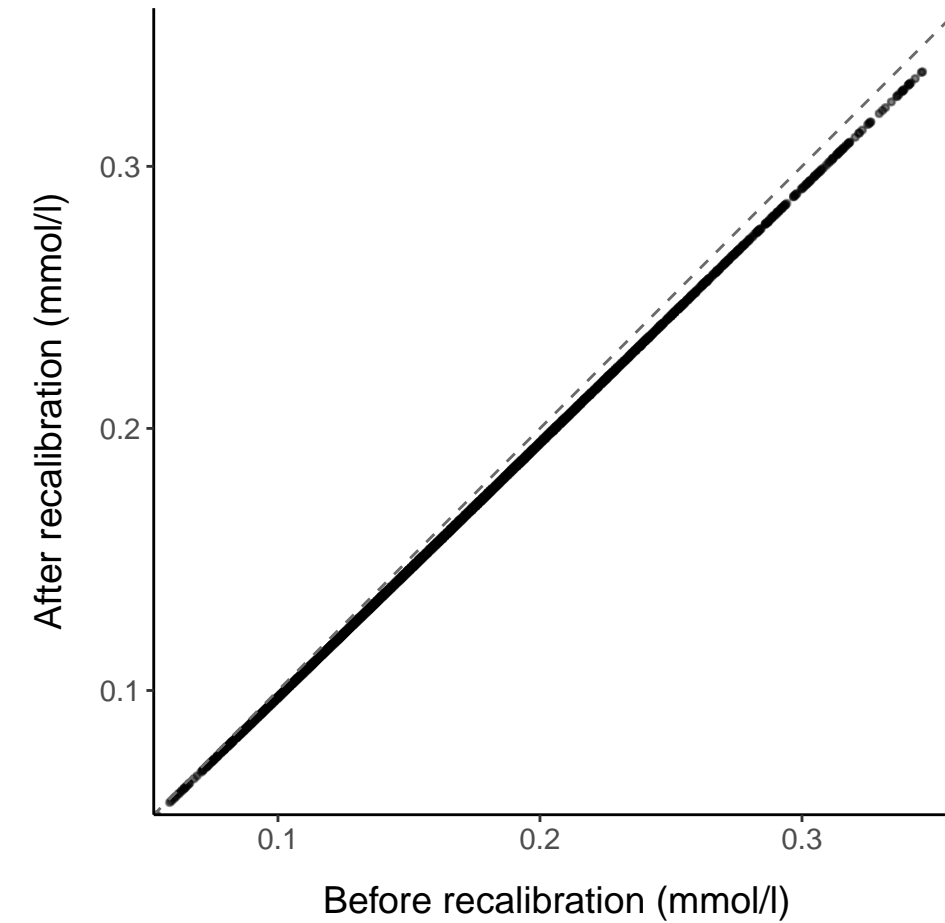
## VLDL\_TG

R: 1  
 $y = 0.00 + 0.97x$



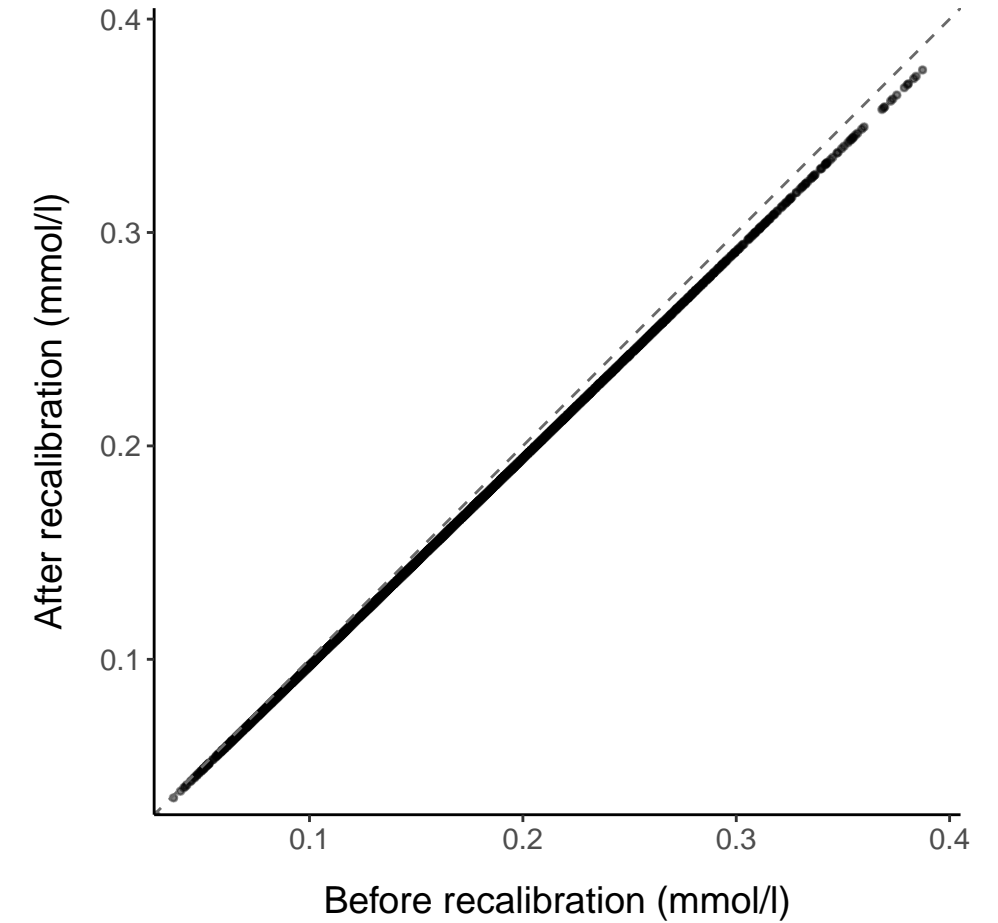
## LDL\_TG

R: 1  
 $y = -0.00 + 0.97x$



## HDL\_TG

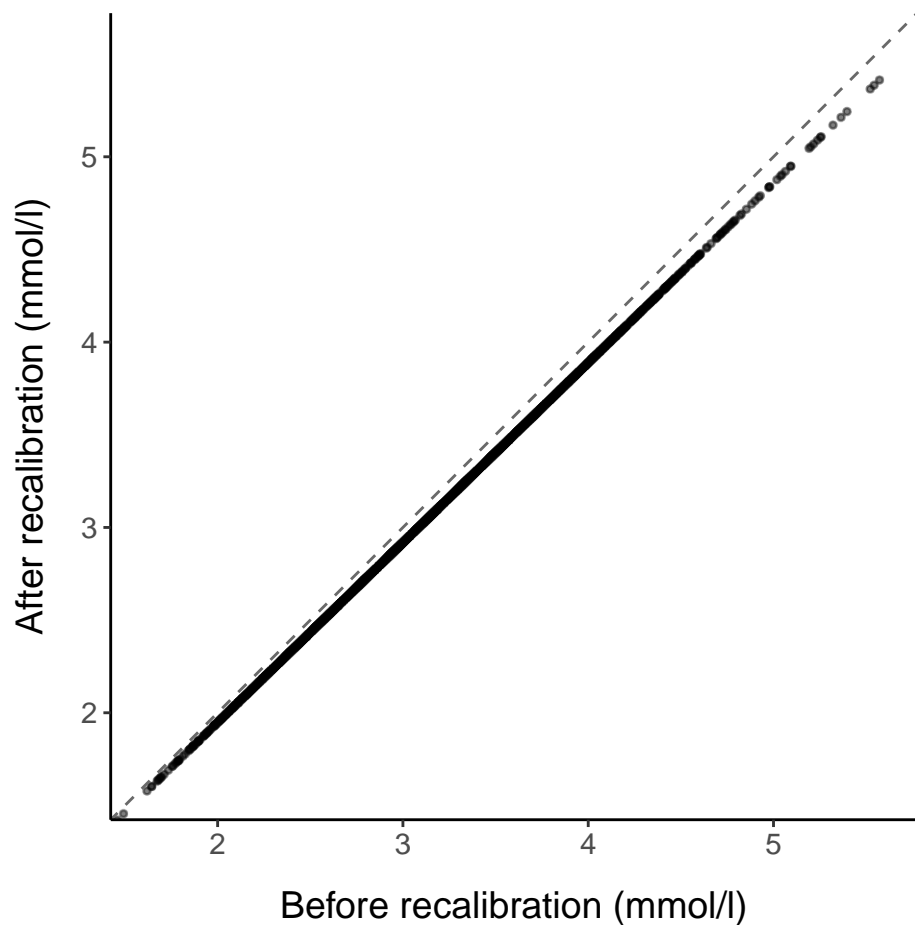
R: 1  
 $y = -0.00 + 0.97x$



# Phospholipids

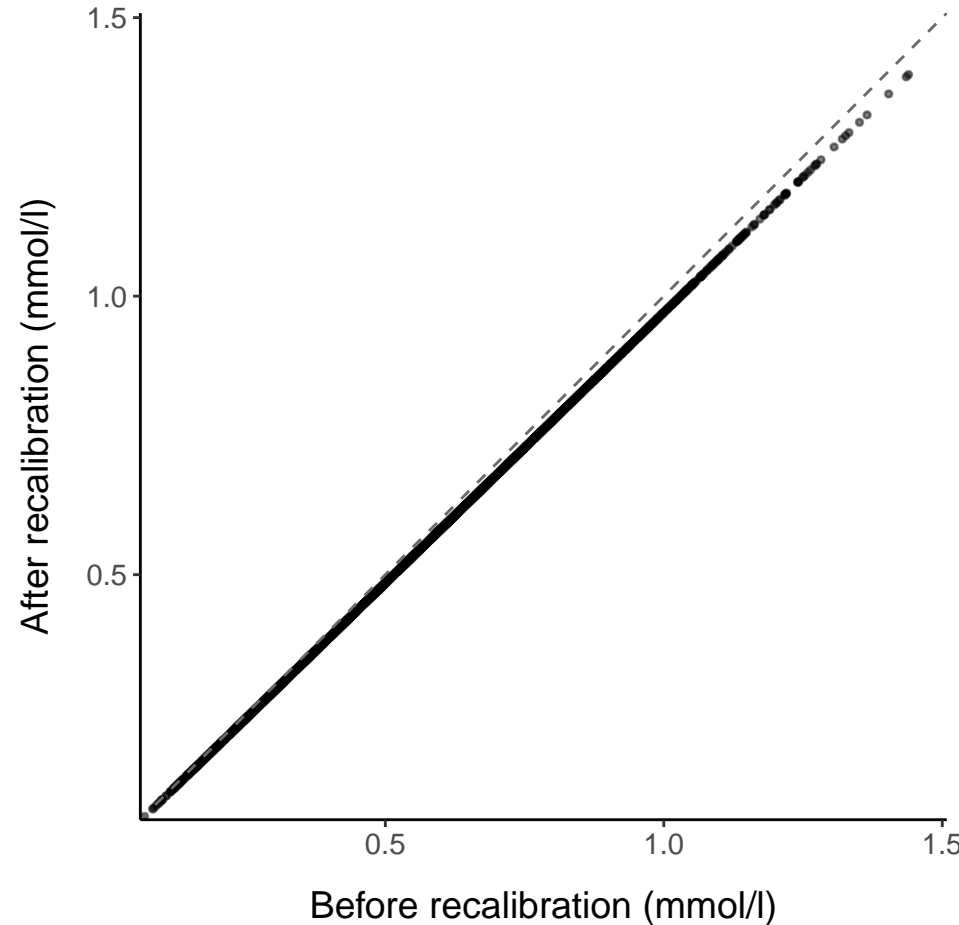
## Total\_PL

R: 1  
 $y = 0.00 + 0.97x$



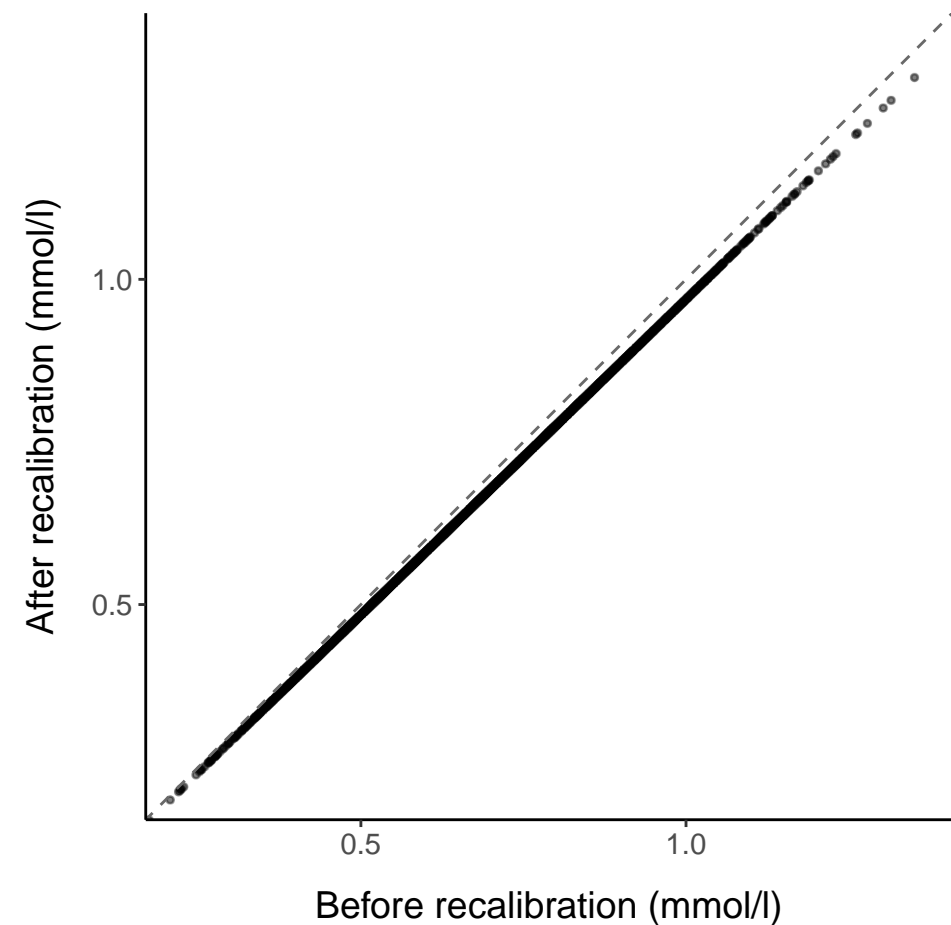
## VLDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



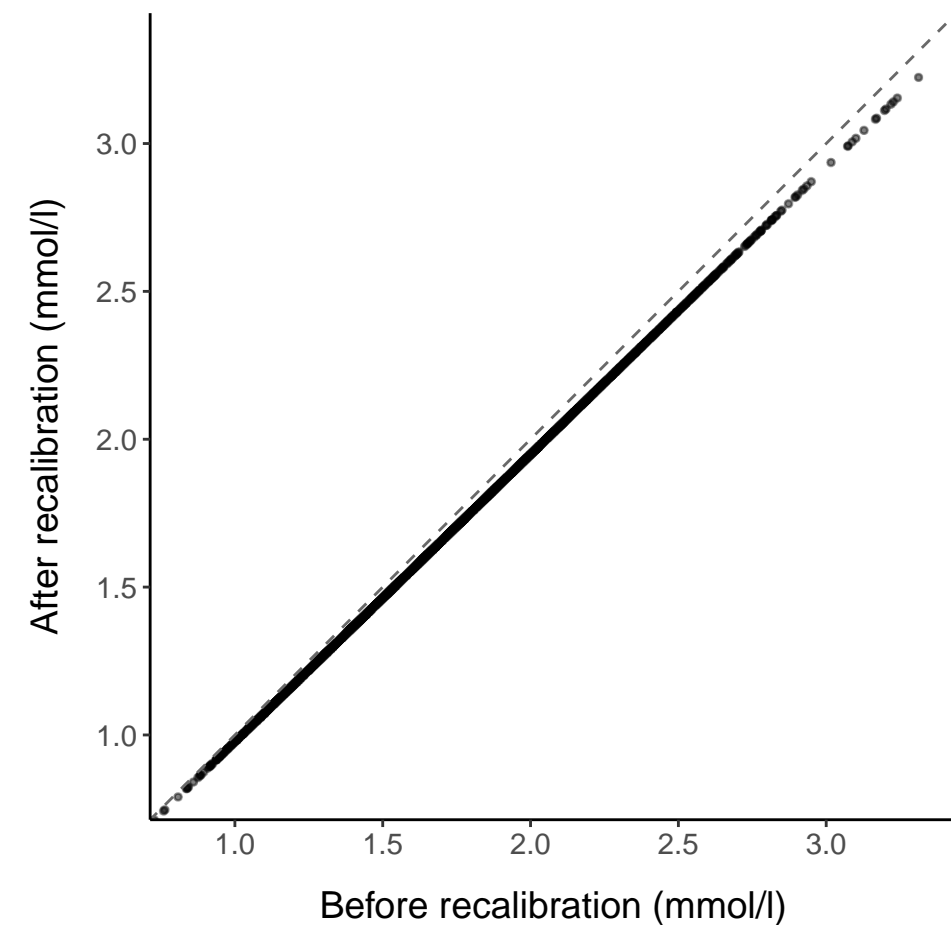
## LDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



## HDL\_PL

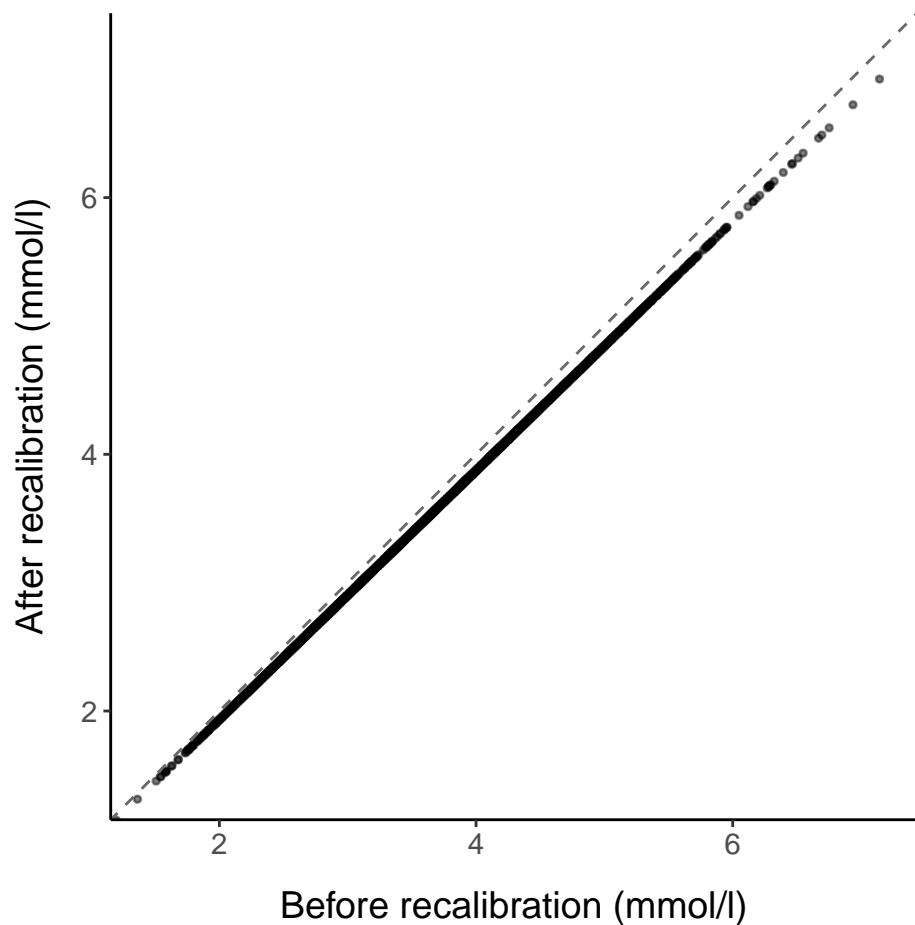
R: 1  
 $y = 0.01 + 0.97x$



# Cholesteryl esters

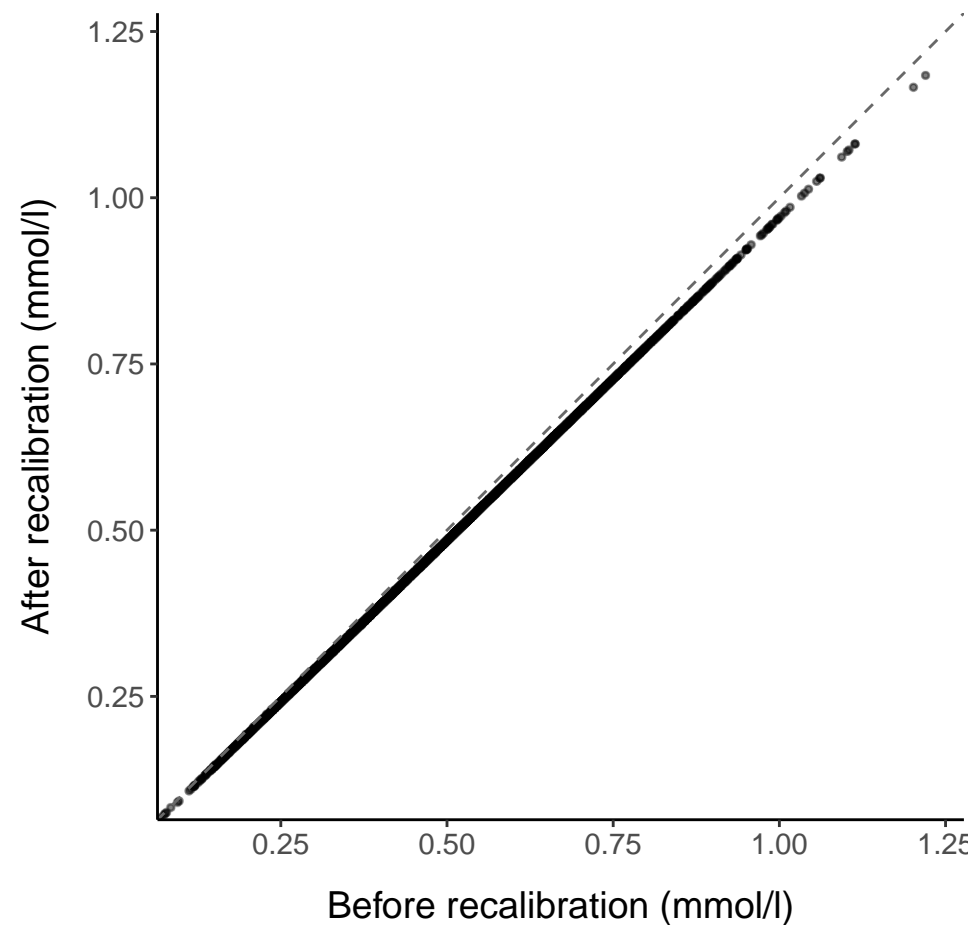
## Total\_CE

R: 1  
 $y = -0.01 + 0.97x$



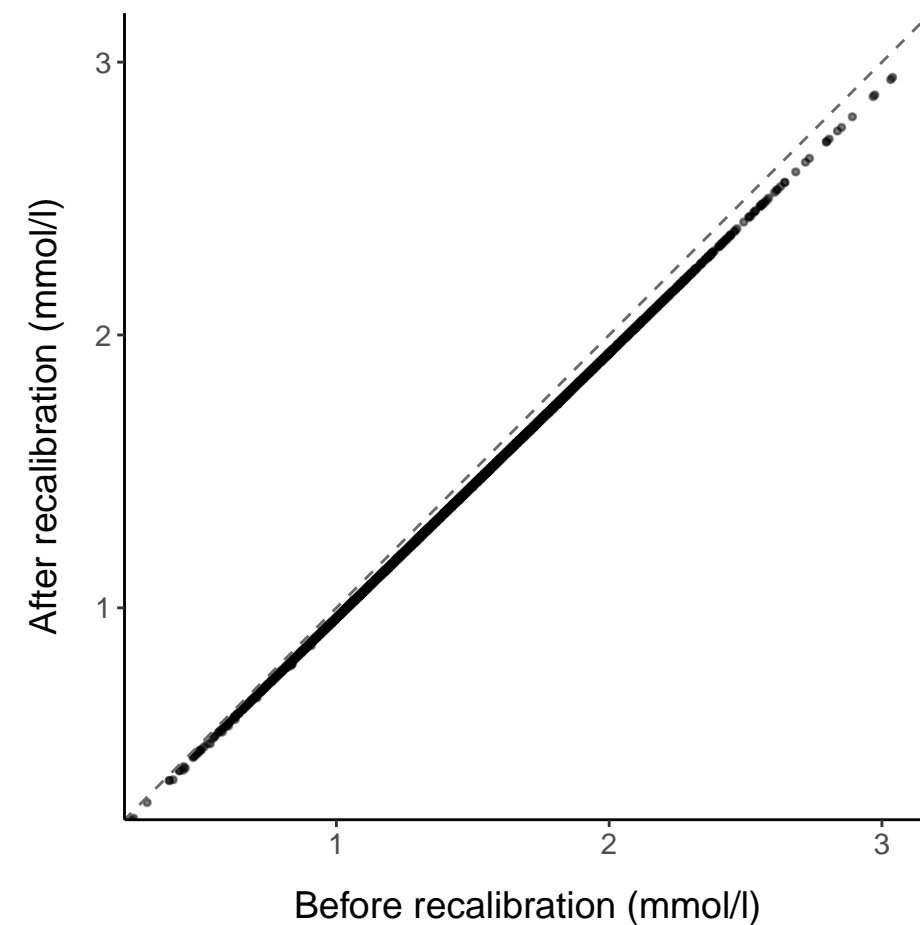
## VLDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



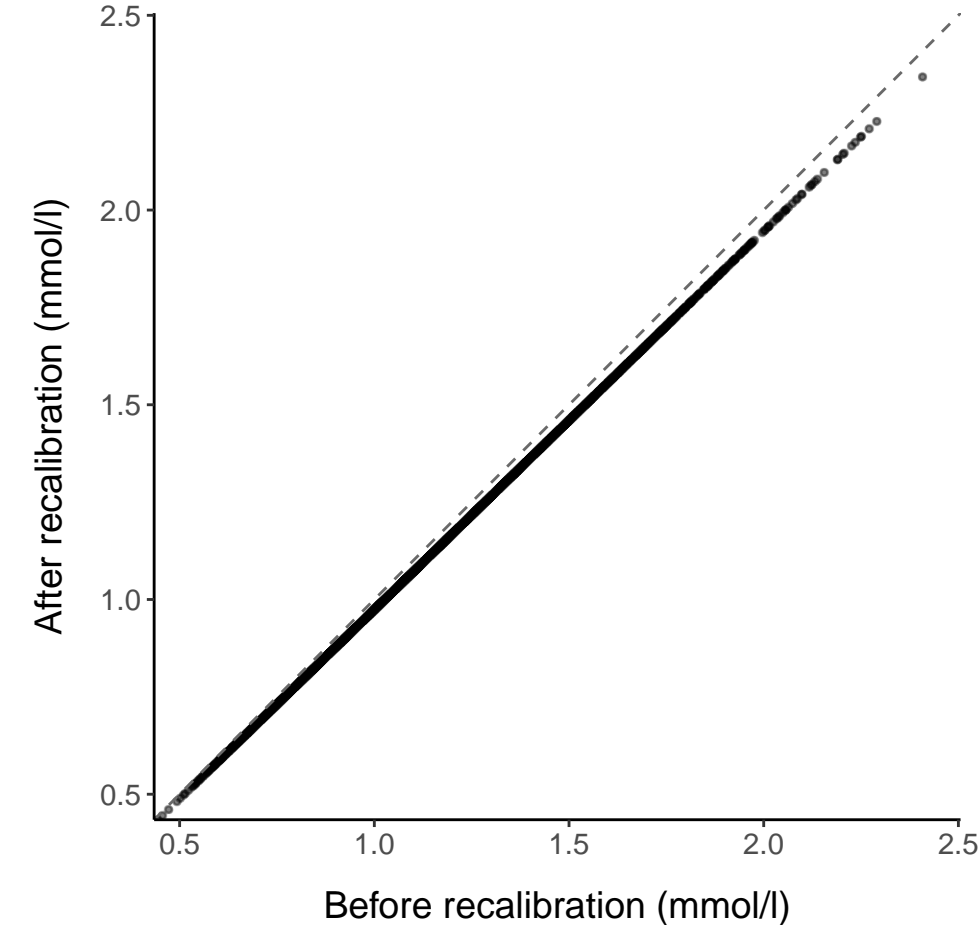
## LDL\_CE

R: 1  
 $y = -0.01 + 0.97x$



## HDL\_CE

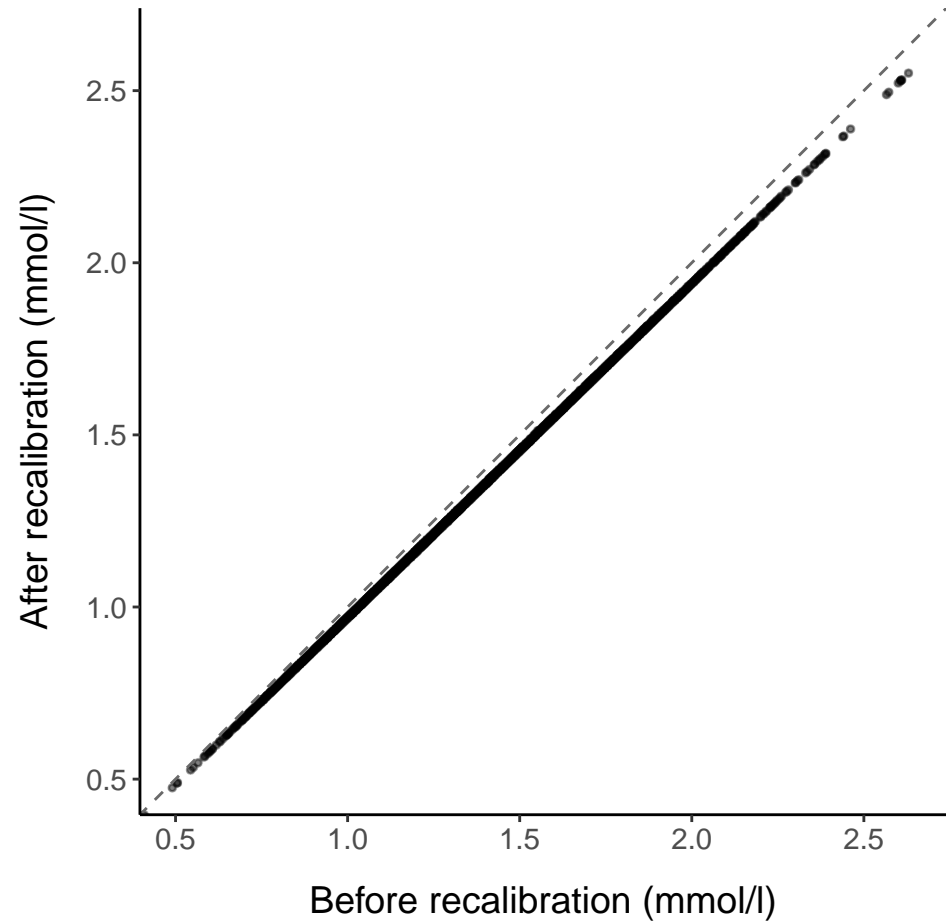
R: 1  
 $y = 0.00 + 0.97x$



# Free cholesterol

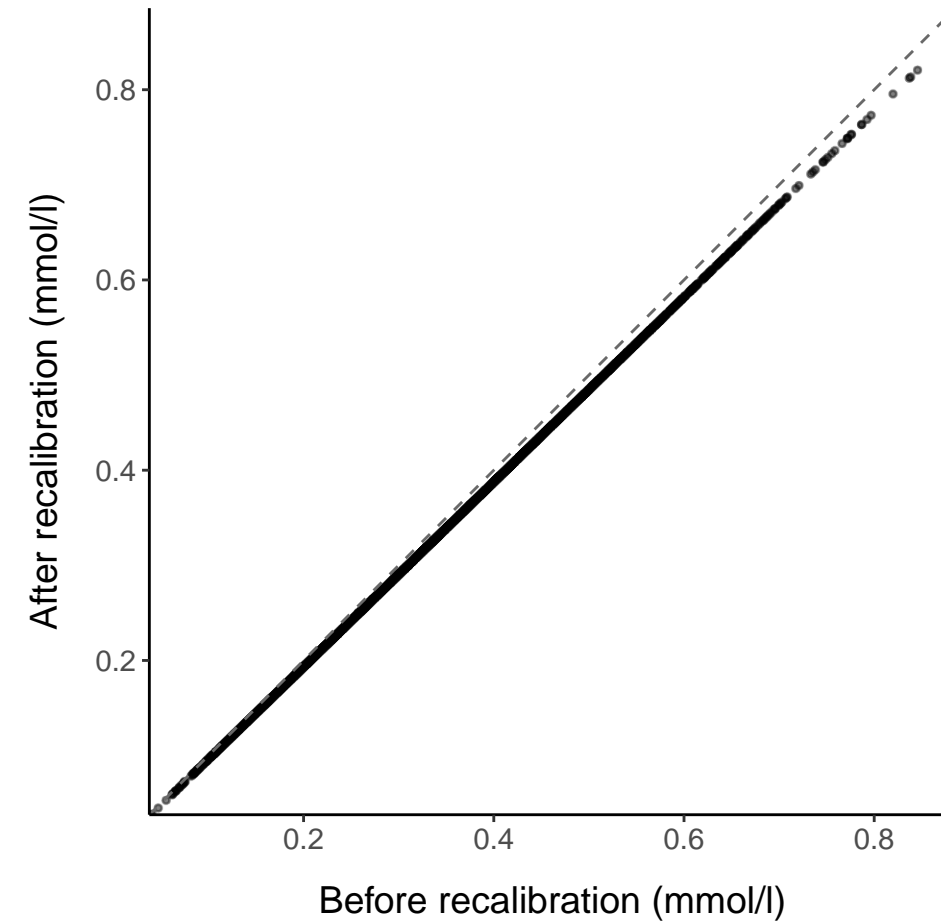
## Total\_FC

R: 1  
 $y = -0.00 + 0.97x$



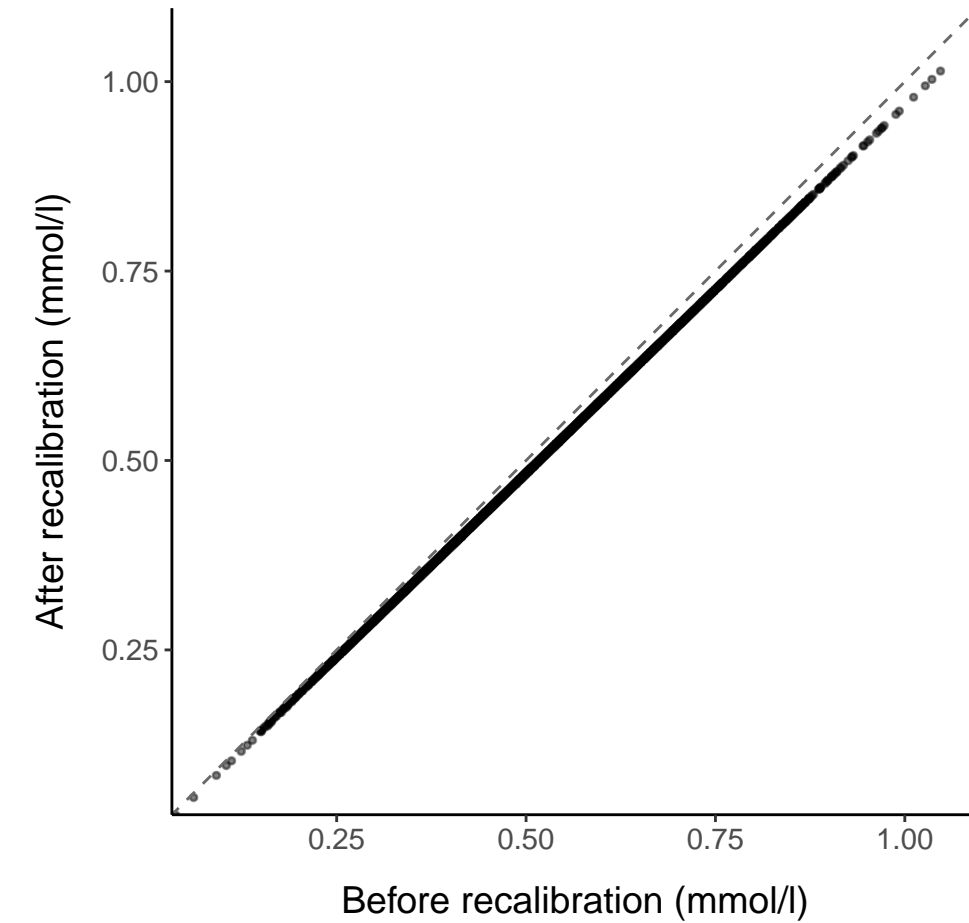
## VLDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



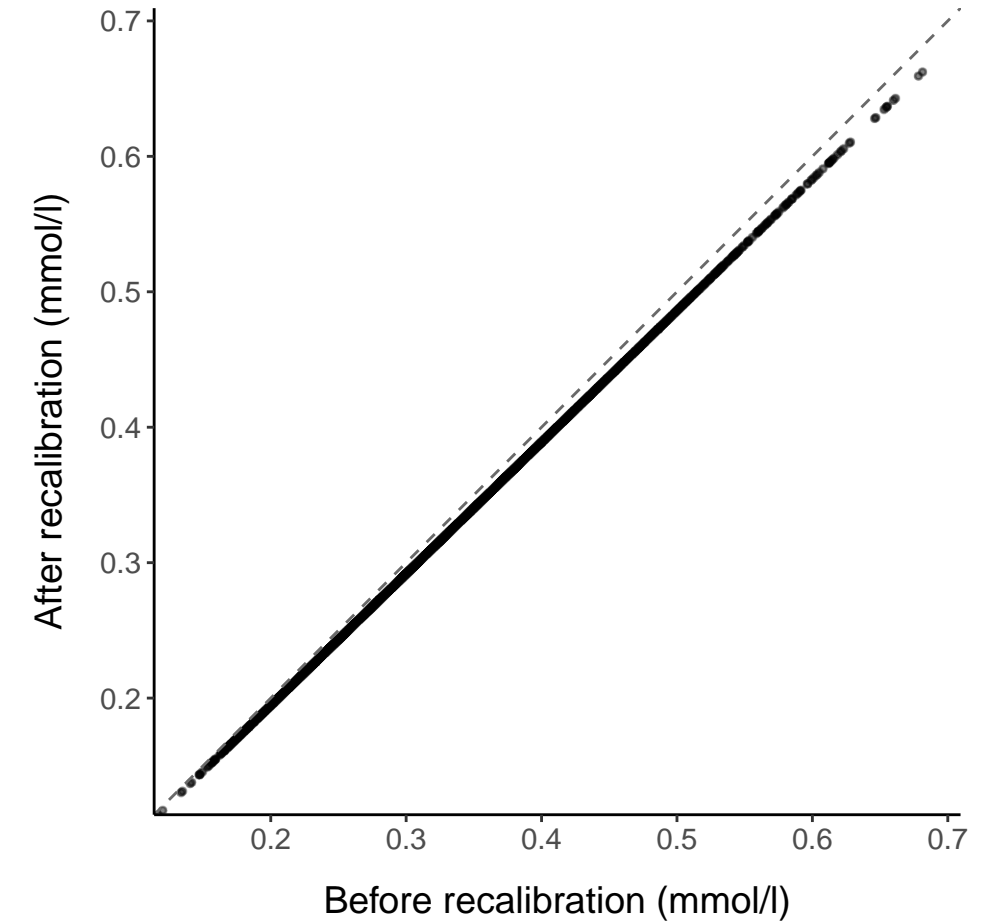
## LDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



## HDL\_FC

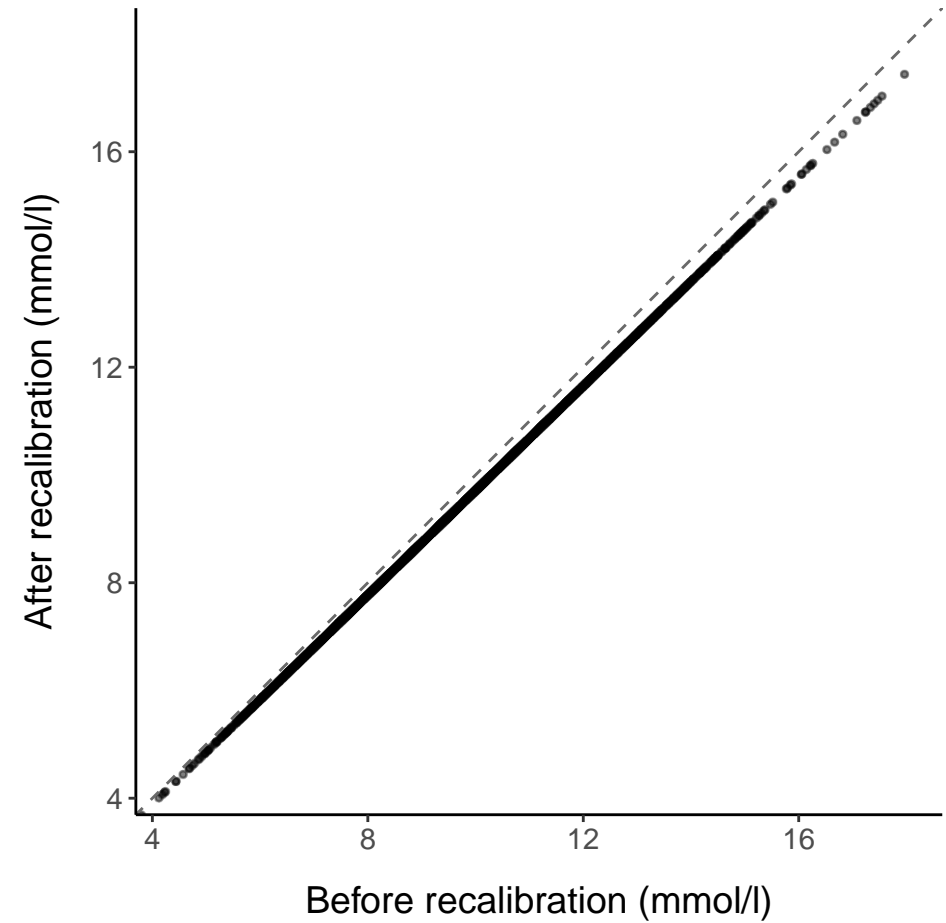
R: 1  
 $y = 0.00 + 0.97x$



# Total lipids

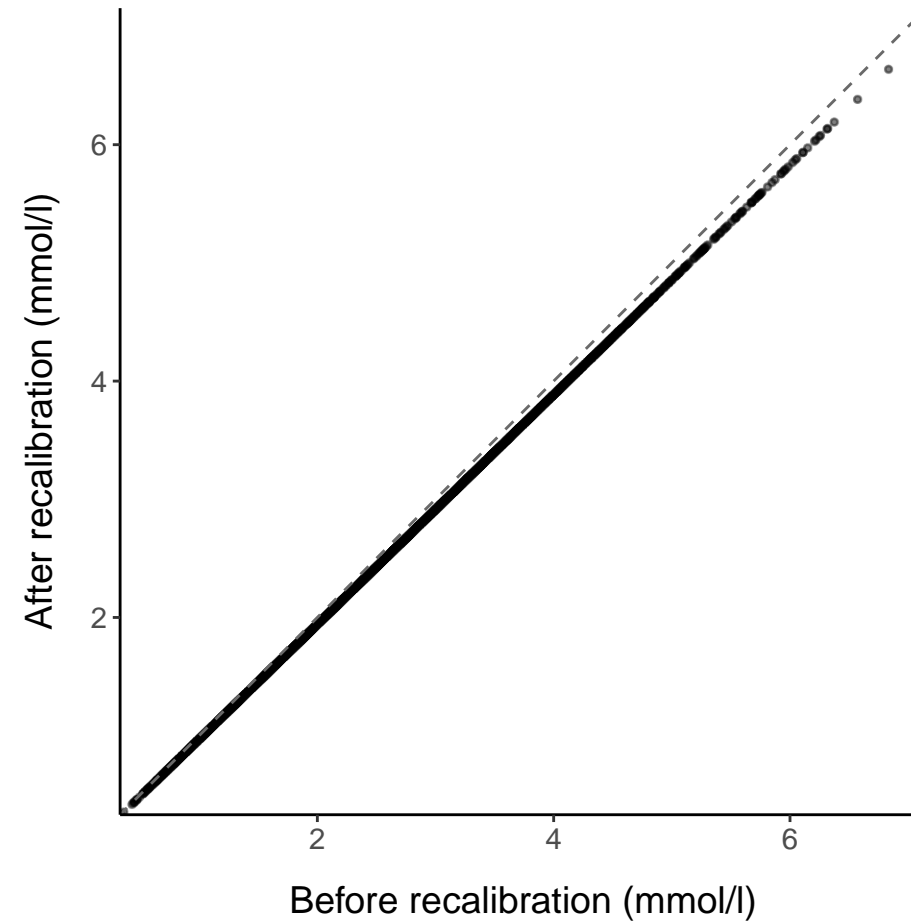
## Total\_L

R: 1  
 $y = -0.01 + 0.97x$



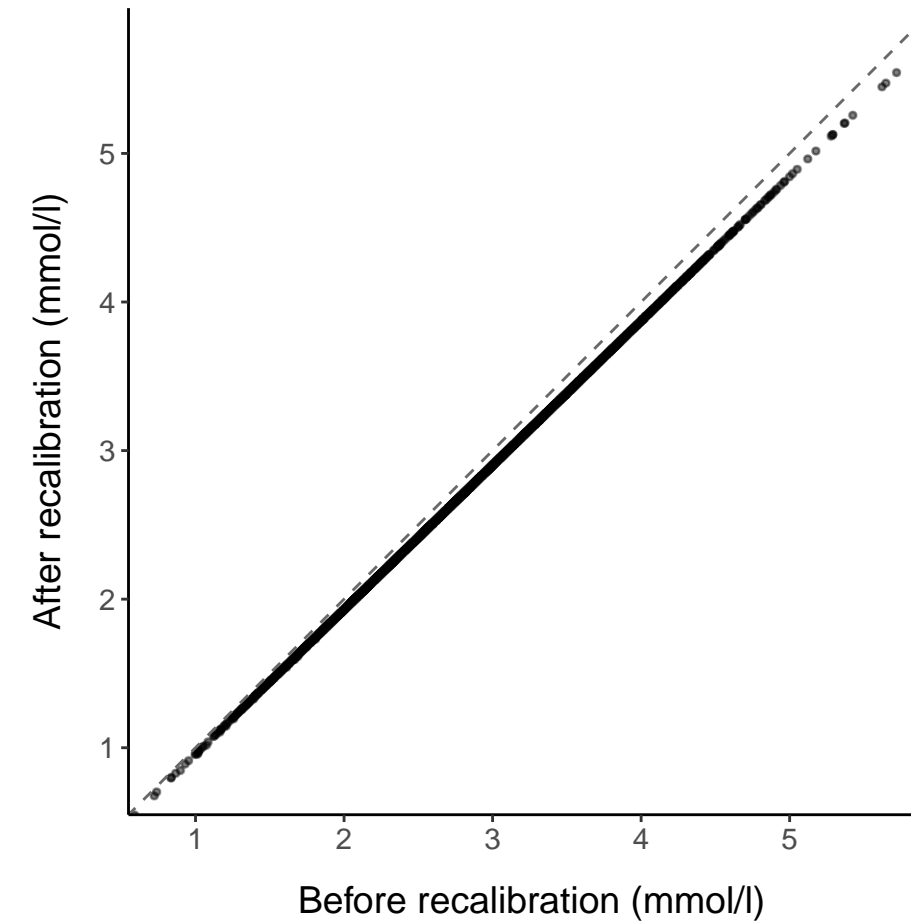
## VLDL\_L

R: 1  
 $y = -0.00 + 0.97x$



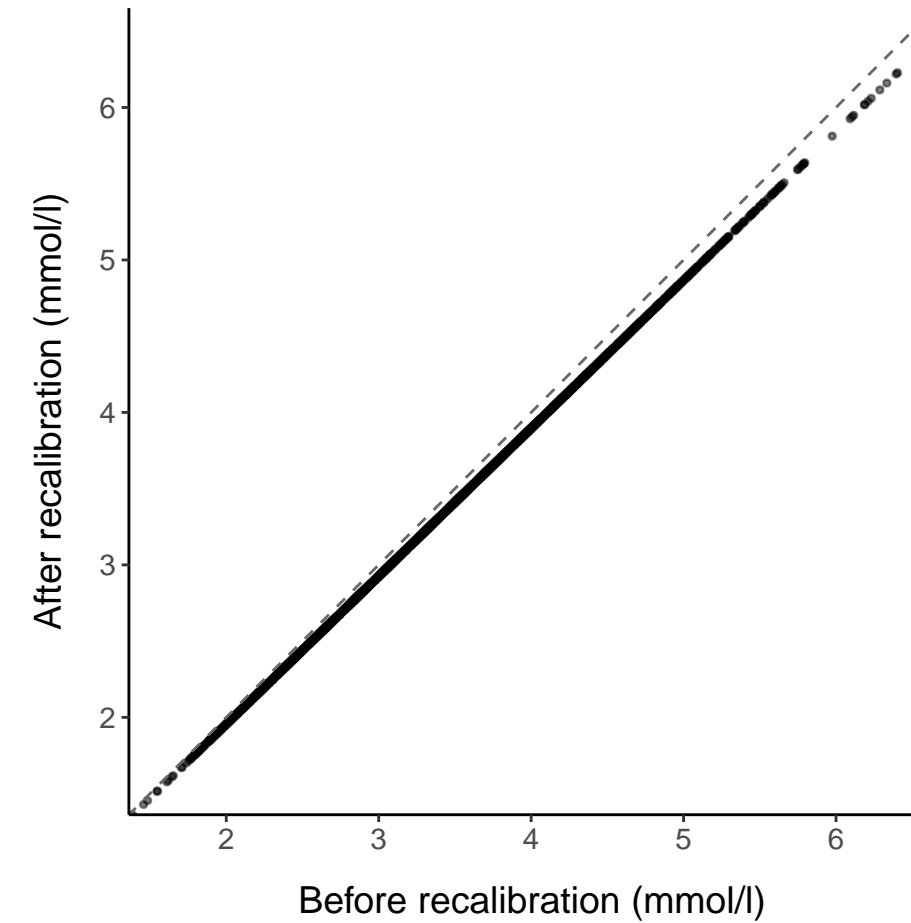
## LDL\_L

R: 1  
 $y = -0.01 + 0.97x$



## HDL\_L

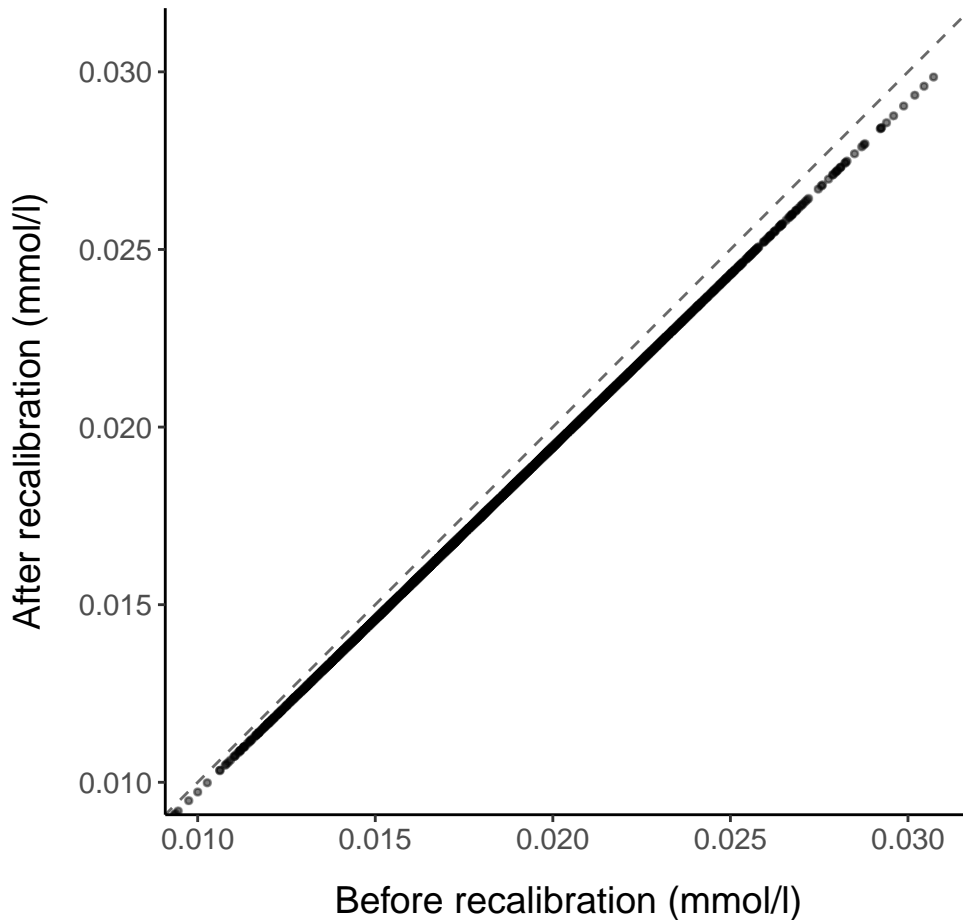
R: 1  
 $y = 0.01 + 0.97x$



# Lipoprotein particle concentrations

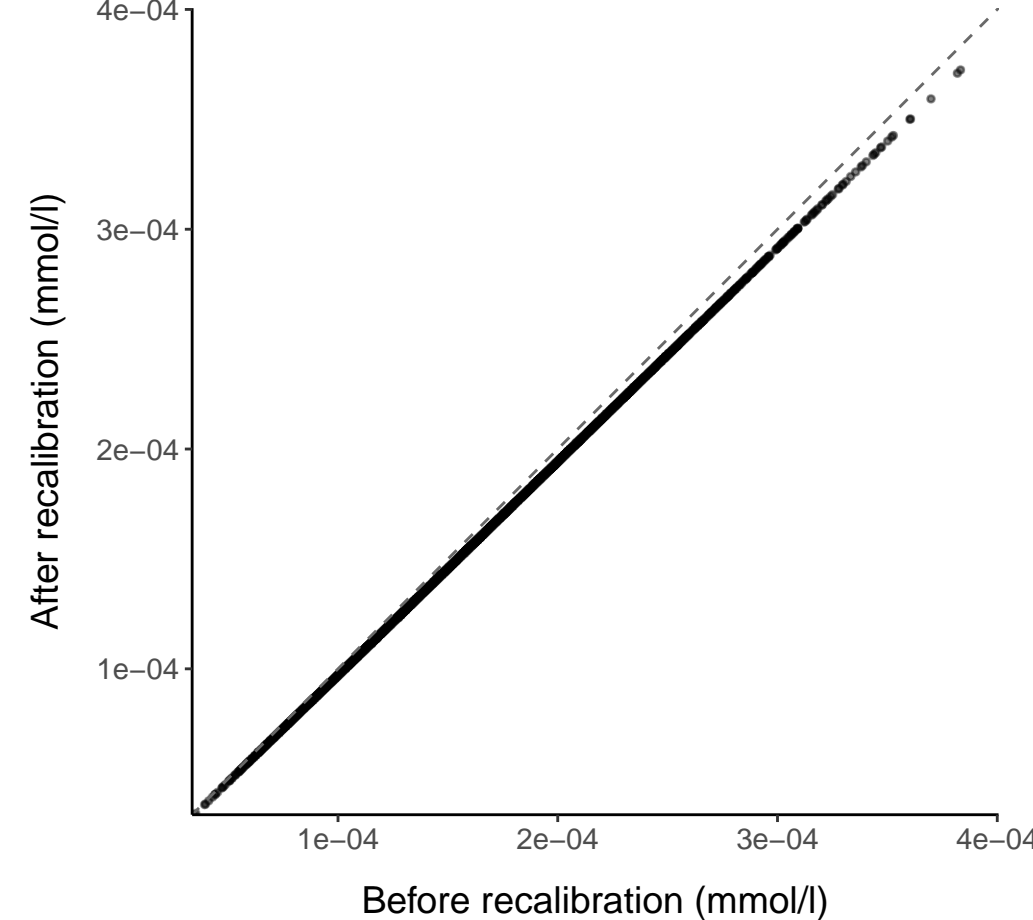
## Total\_P

R: 1  
 $y = 0.00 + 0.97x$



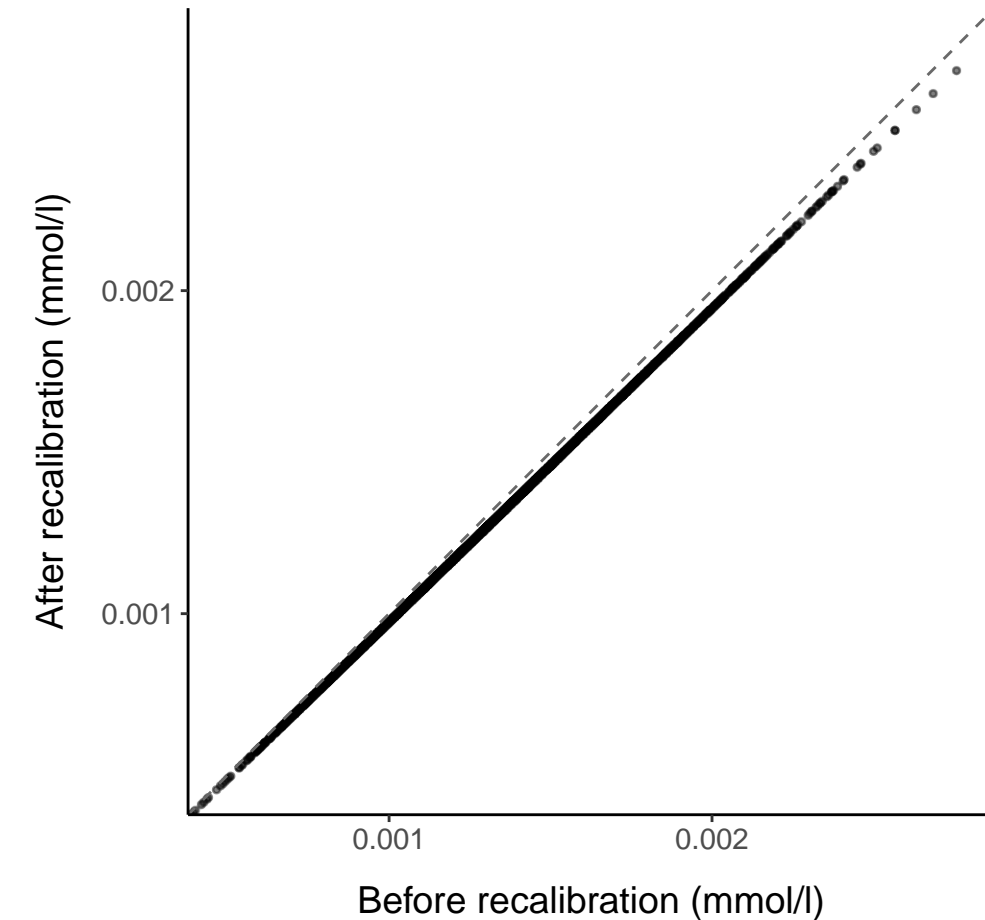
## VLDL\_P

R: 1  
 $y = -0.00 + 0.97x$



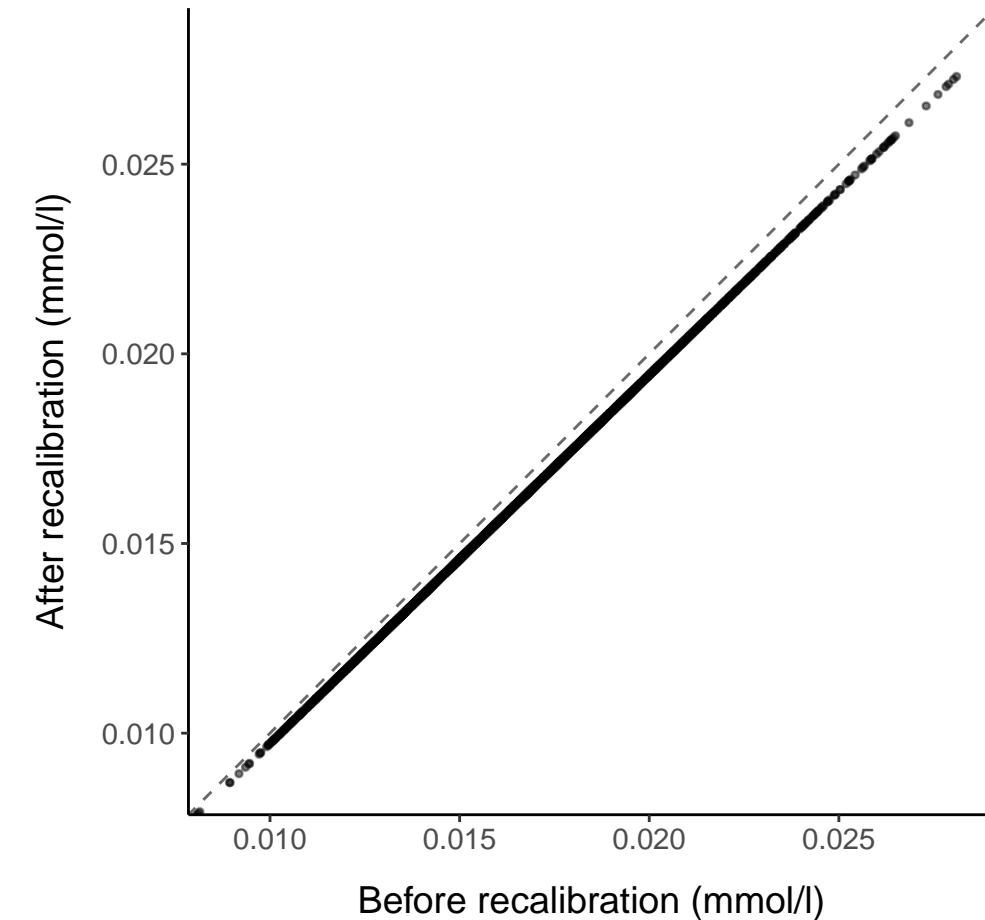
## LDL\_P

R: 1  
 $y = 0.00 + 0.97x$



## HDL\_P

R: 1  
 $y = 0.00 + 0.97x$

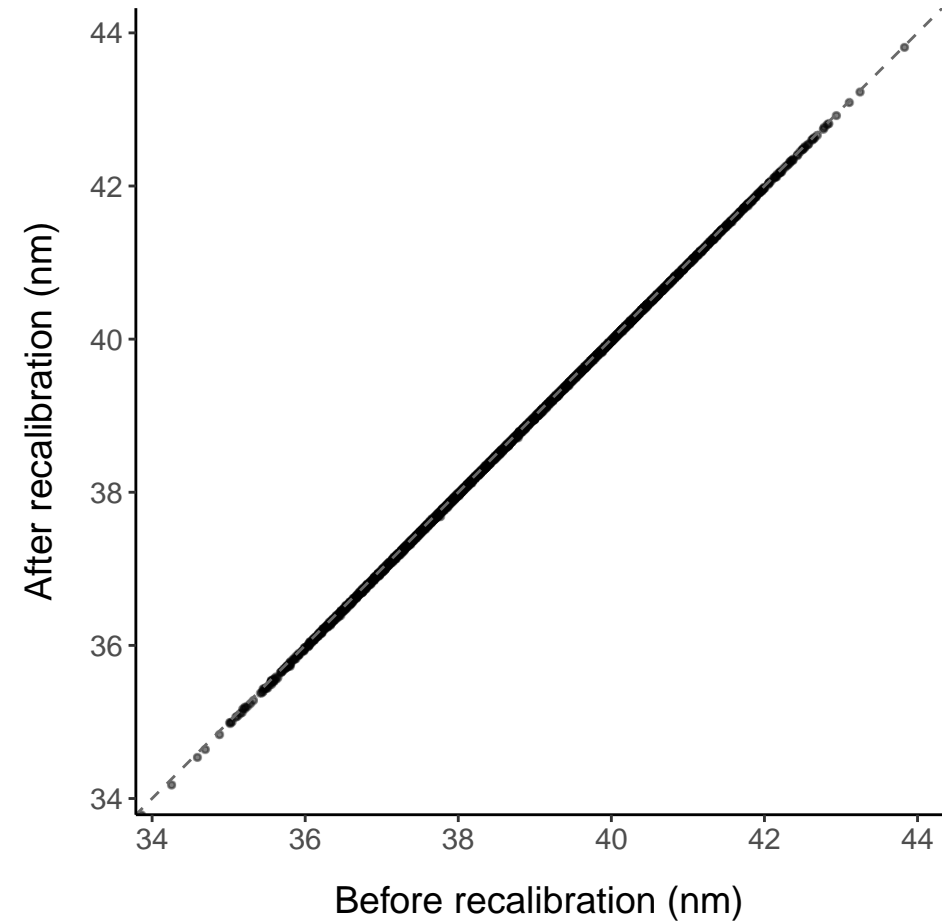




# Lipoprotein particle sizes

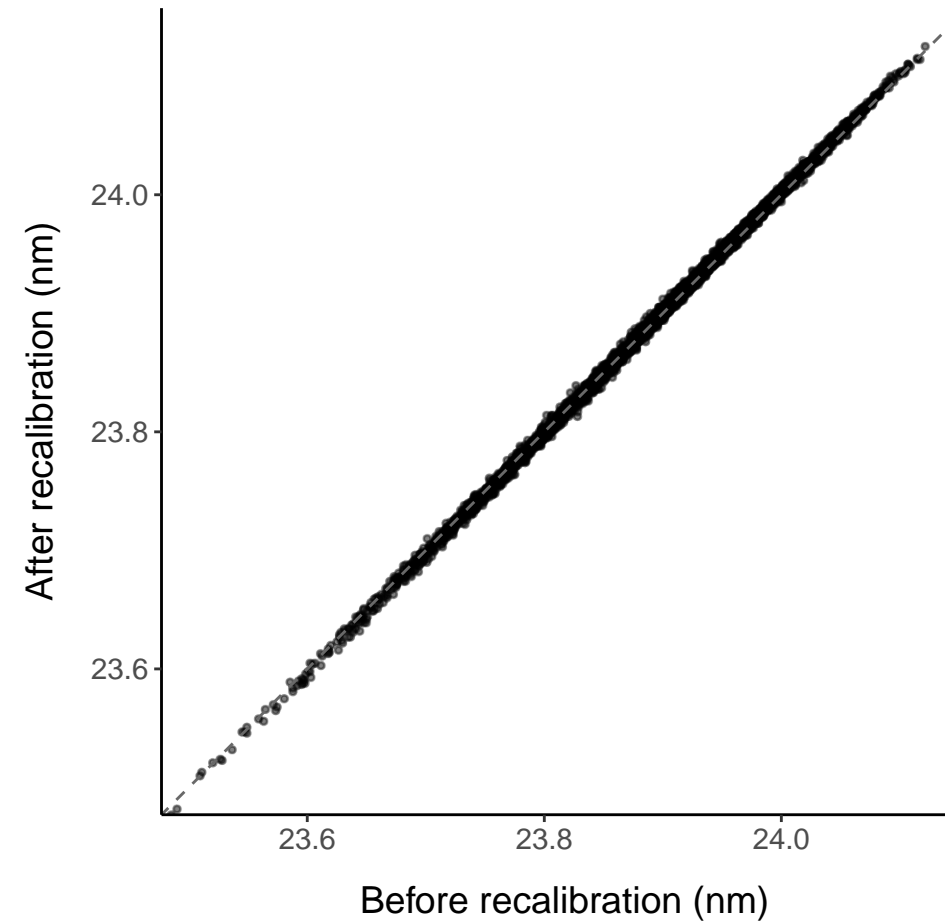
## VLDL\_size

R: 1  
 $y = -0.19 + 1.00x$



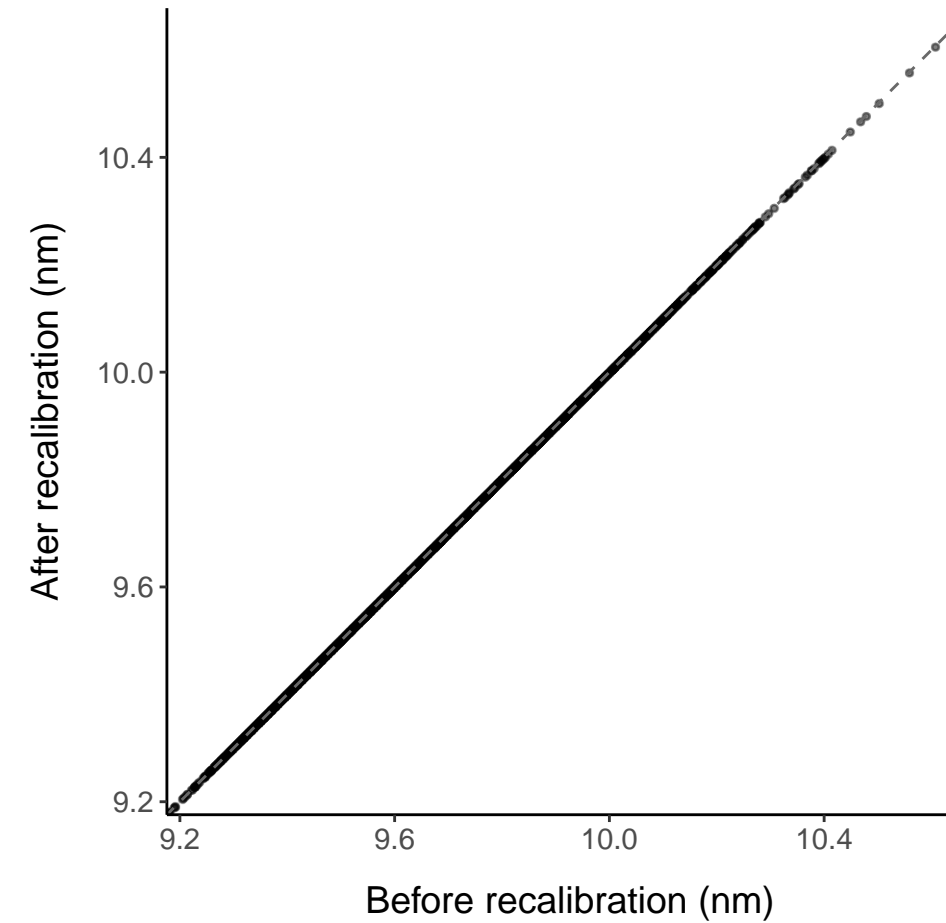
## LDL\_size

R: 1  
 $y = -0.37 + 1.02x$



## HDL\_size

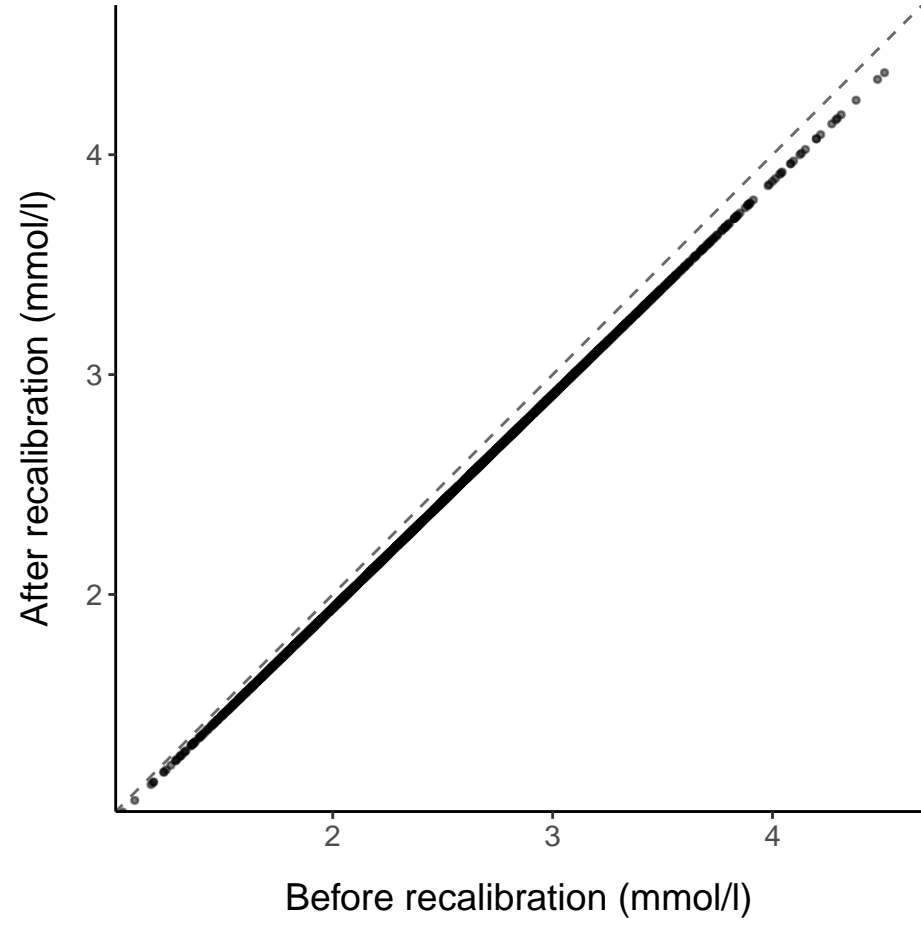
R: 1  
 $y = -0.00 + 1.00x$



# Other lipids

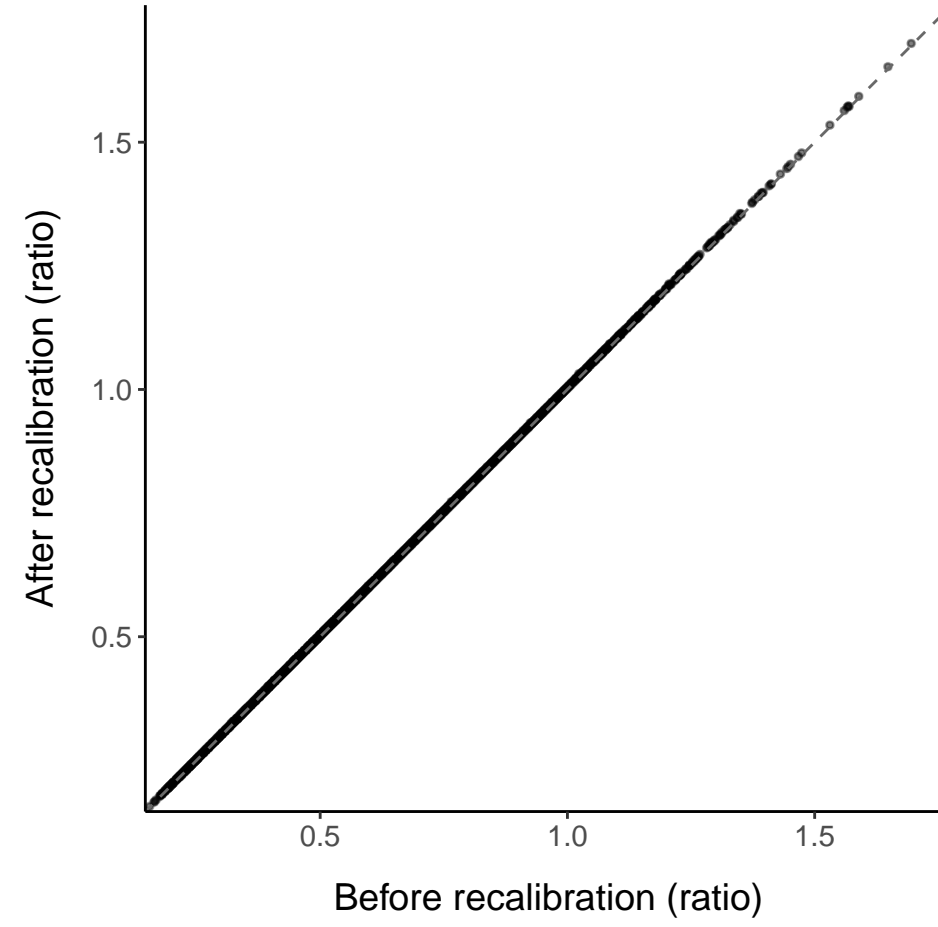
### Phosphoglyc

R: 1  
 $y = -0.01 + 0.97x$



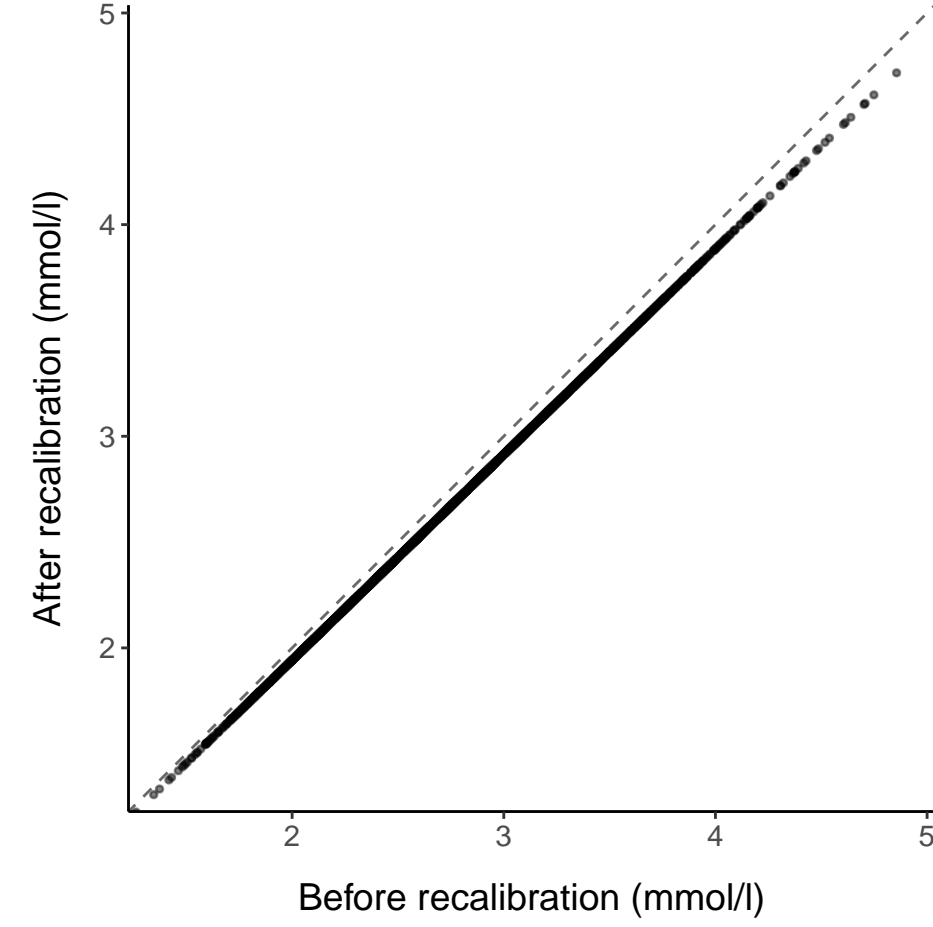
### TG\_by\_PG

R: 1  
 $y = 0.00 + 1.00x$



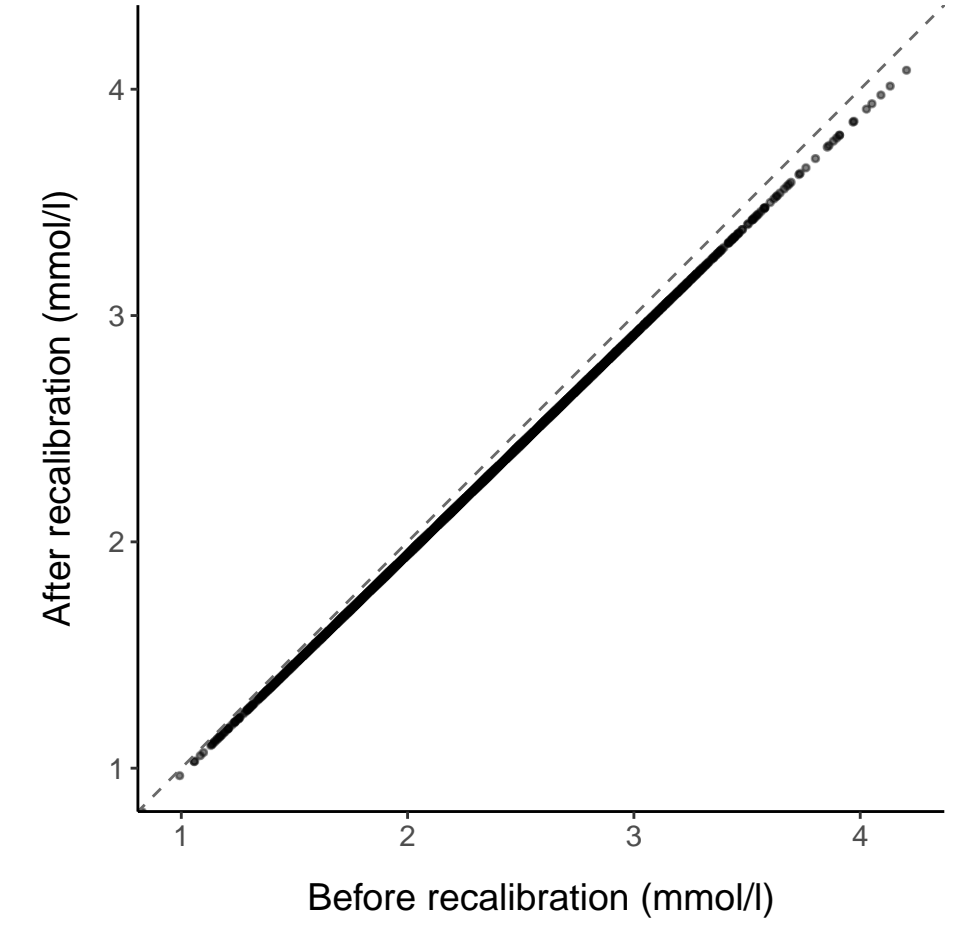
### Cholines

R: 1  
 $y = -0.00 + 0.97x$



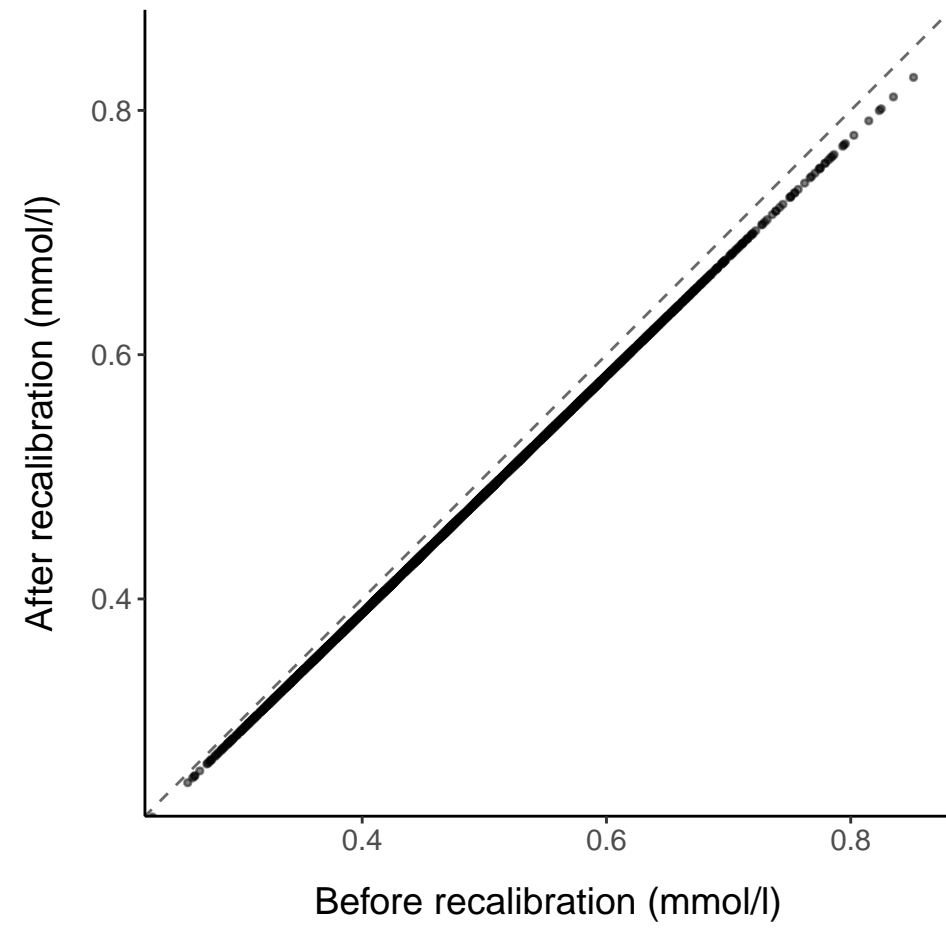
### Phosphatidylc

R: 1  
 $y = 0.00 + 0.97x$



### Sphingomyelins

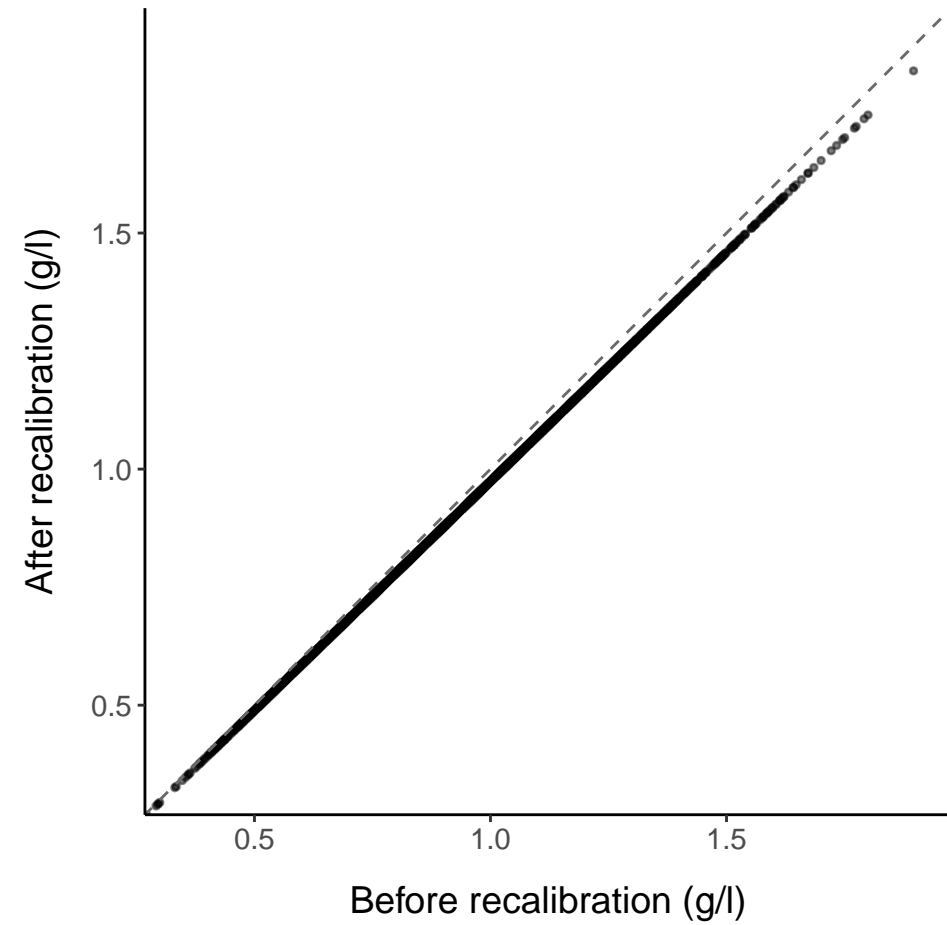
R: 1  
 $y = -0.00 + 0.97x$



# Apolipoproteins

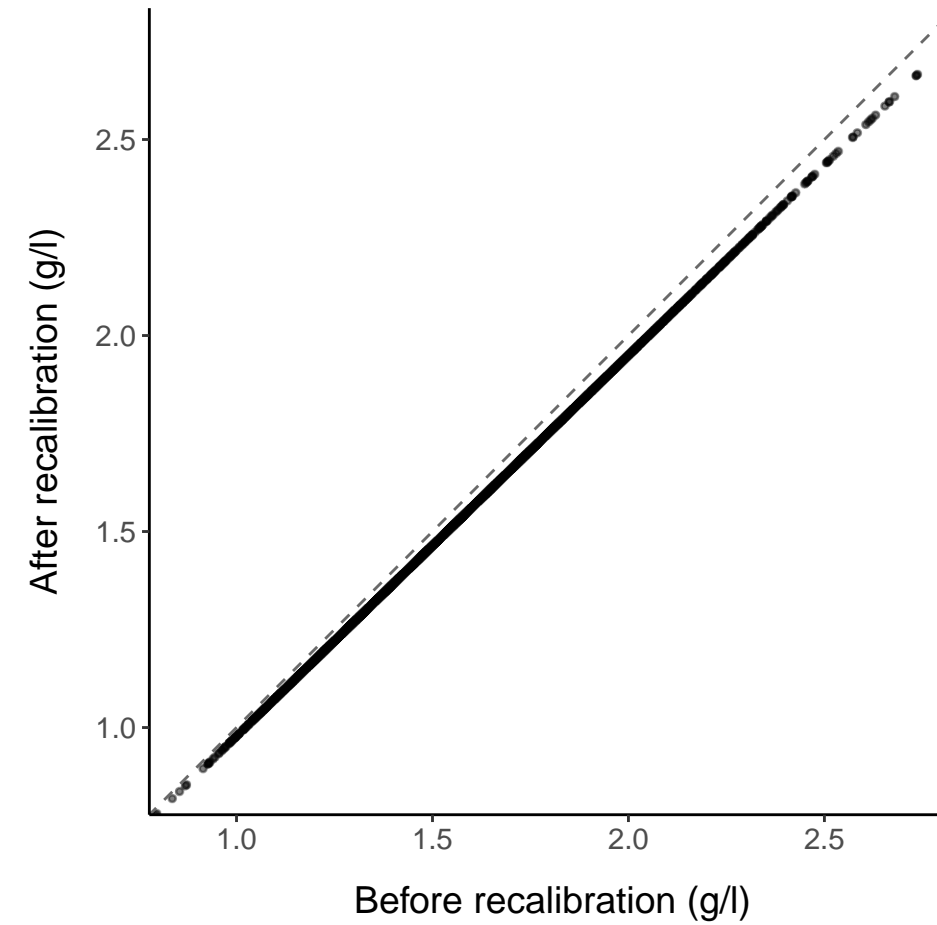
## ApoB

R: 1  
 $y = 0.00 + 0.97x$



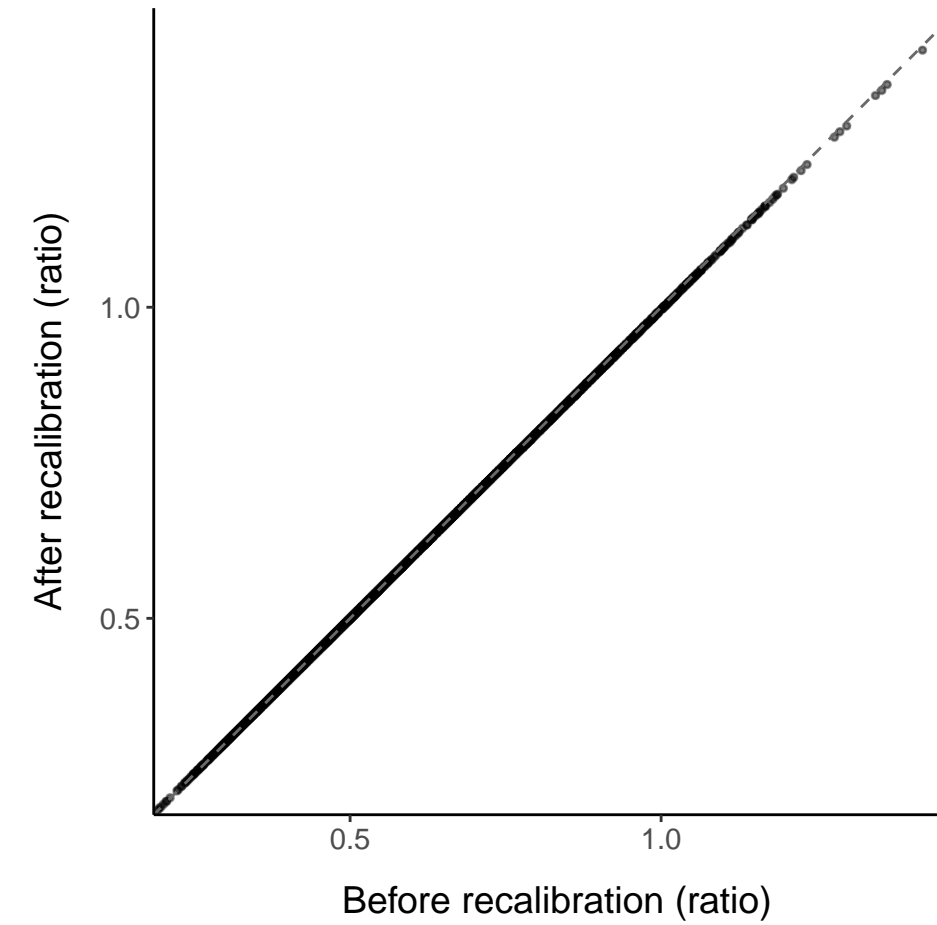
## ApoA1

R: 1  
 $y = 0.01 + 0.97x$



## ApoB\_by\_ApoA1

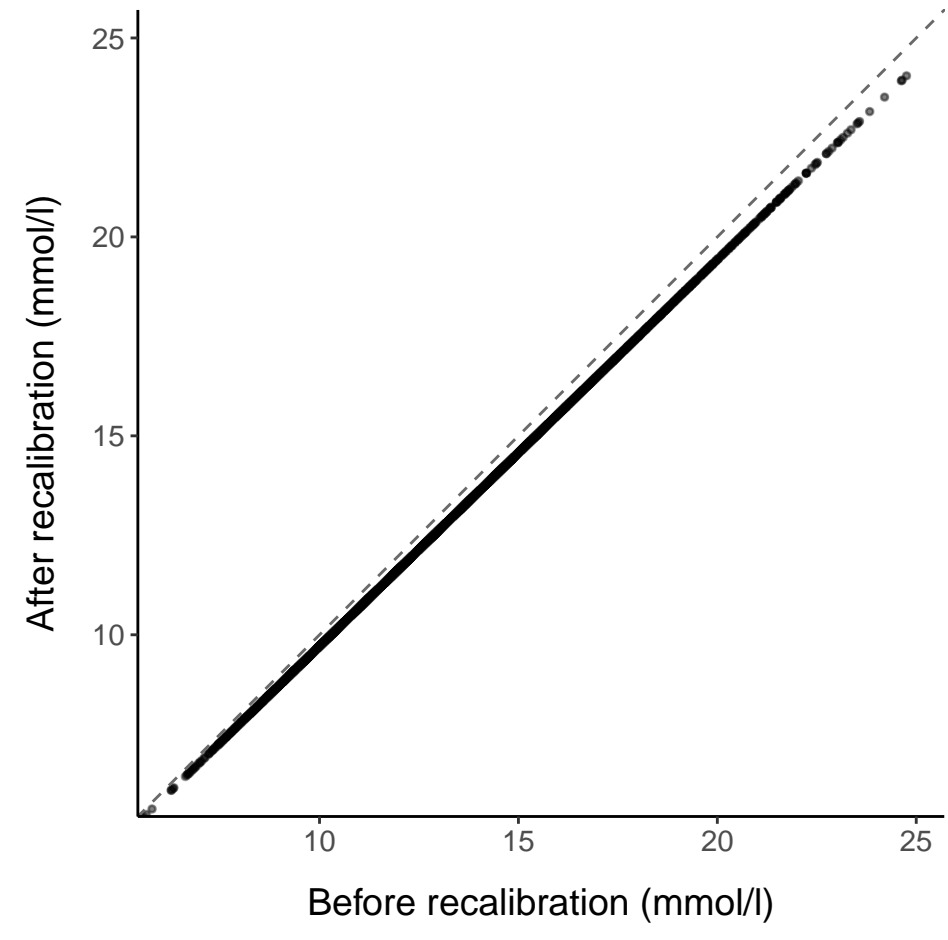
R: 1  
 $y = 0.00 + 1.00x$



# Fatty acids

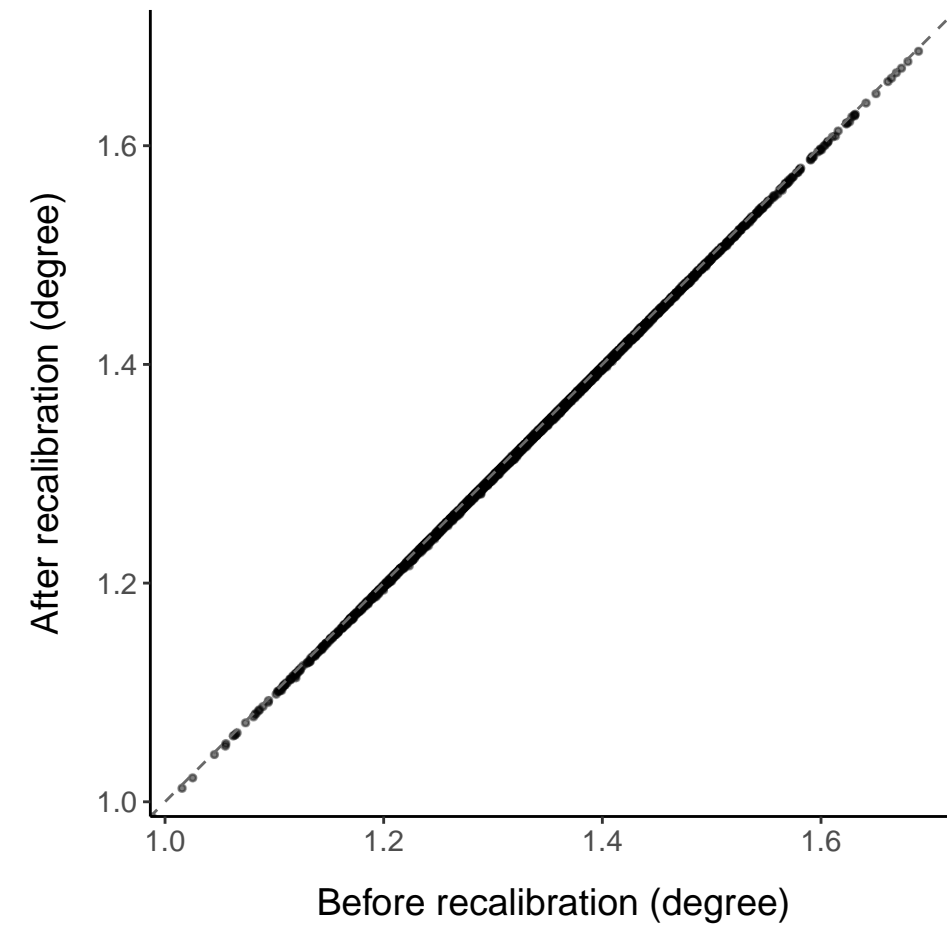
## Total\_FA

R: 1  
 $y = -0.01 + 0.97x$



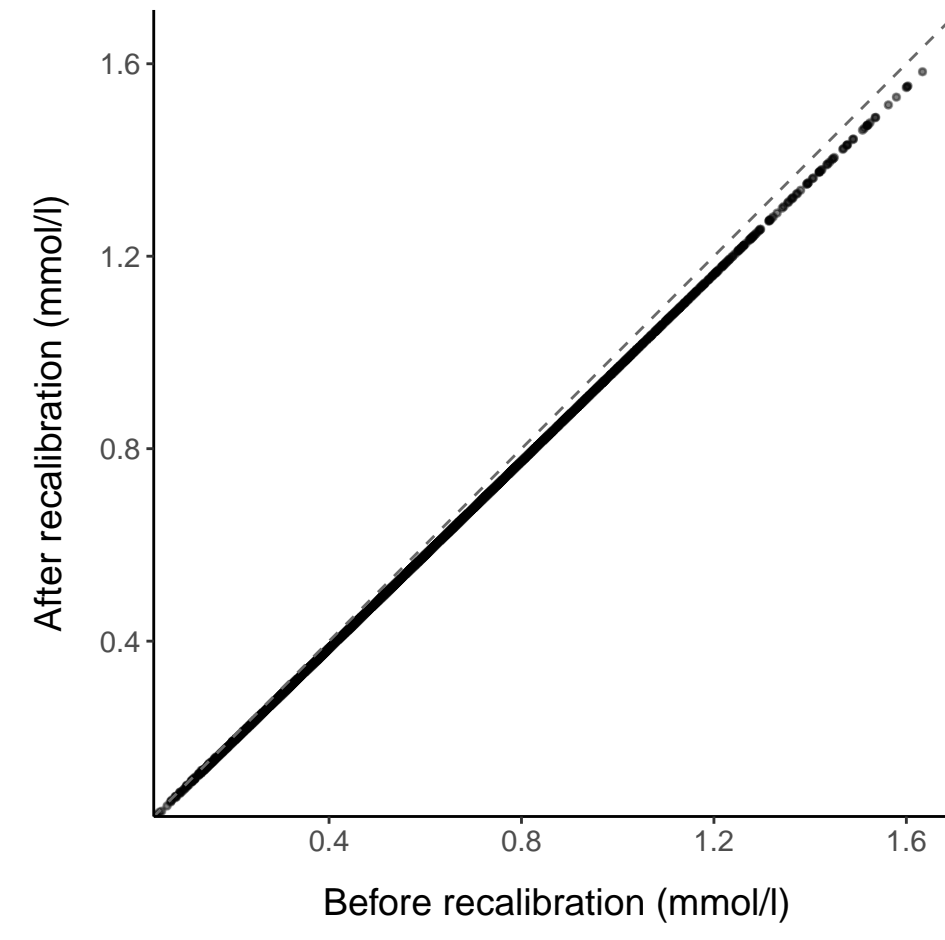
## Unsaturation

R: 1  
 $y = -0.00 + 1.00x$



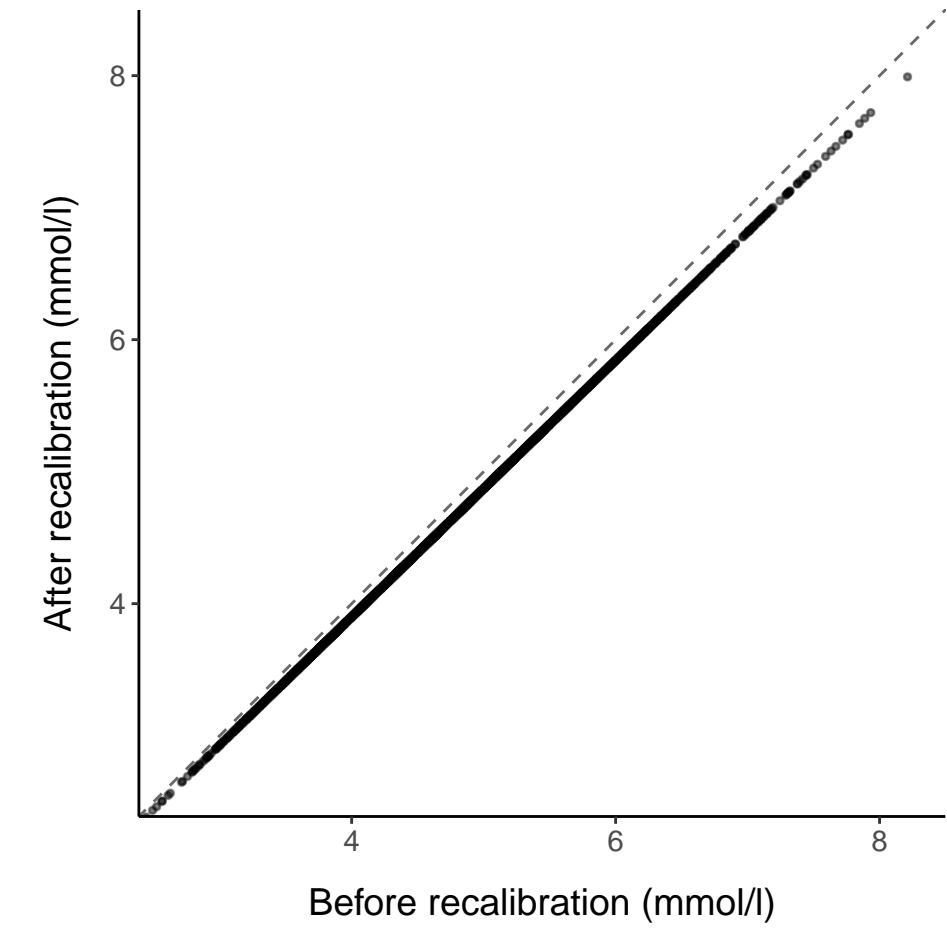
## Omega\_3

R: 1  
 $y = -0.00 + 0.97x$



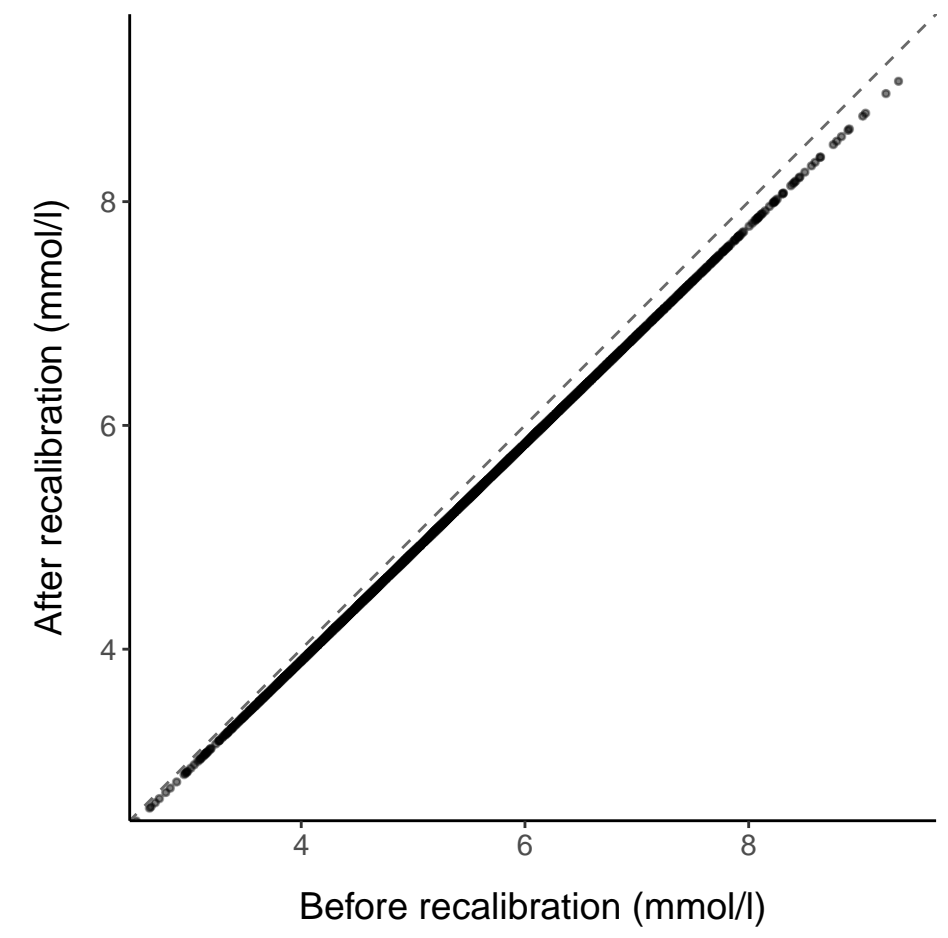
## Omega\_6

R: 1  
 $y = 0.01 + 0.97x$



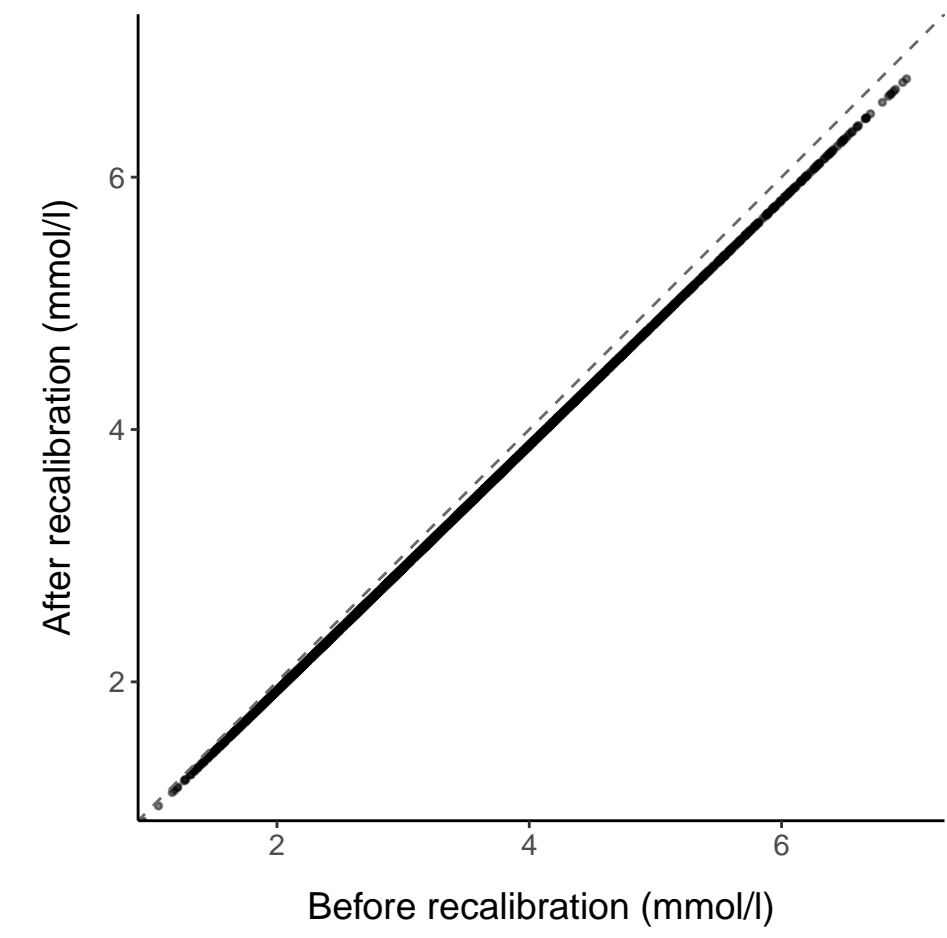
## PUFA

R: 1  
 $y = 0.01 + 0.97x$



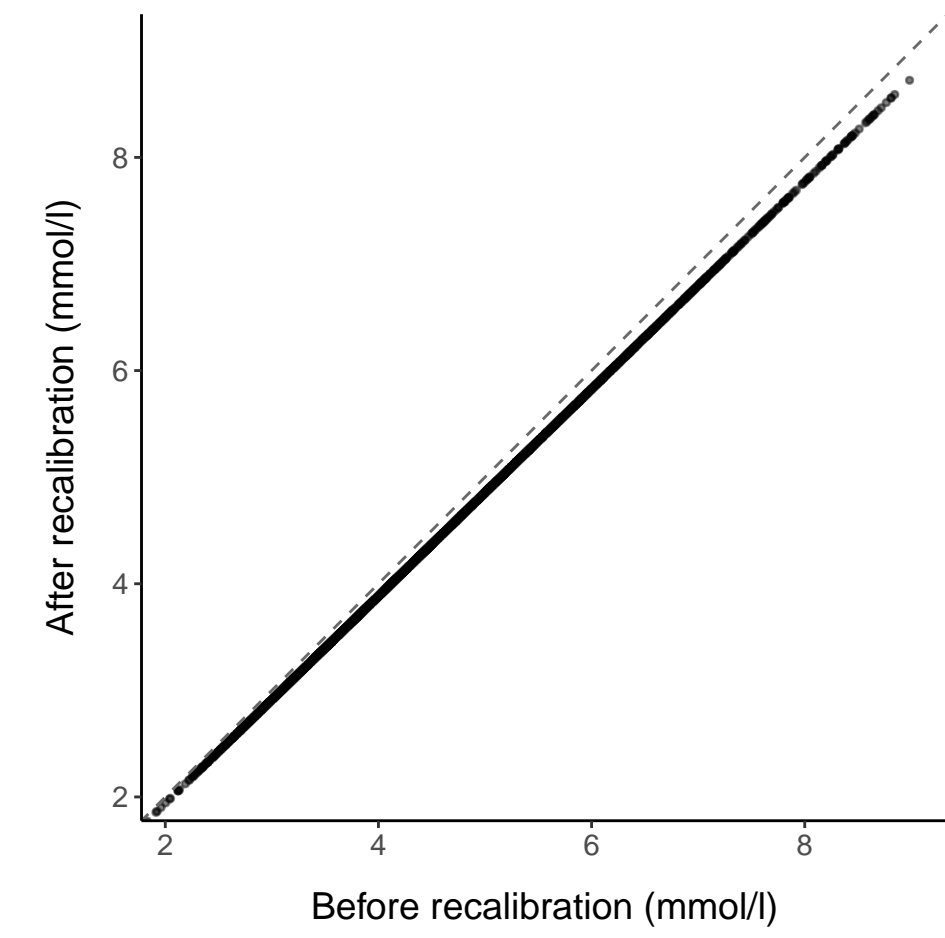
## MUFA

R: 1  
 $y = -0.01 + 0.97x$



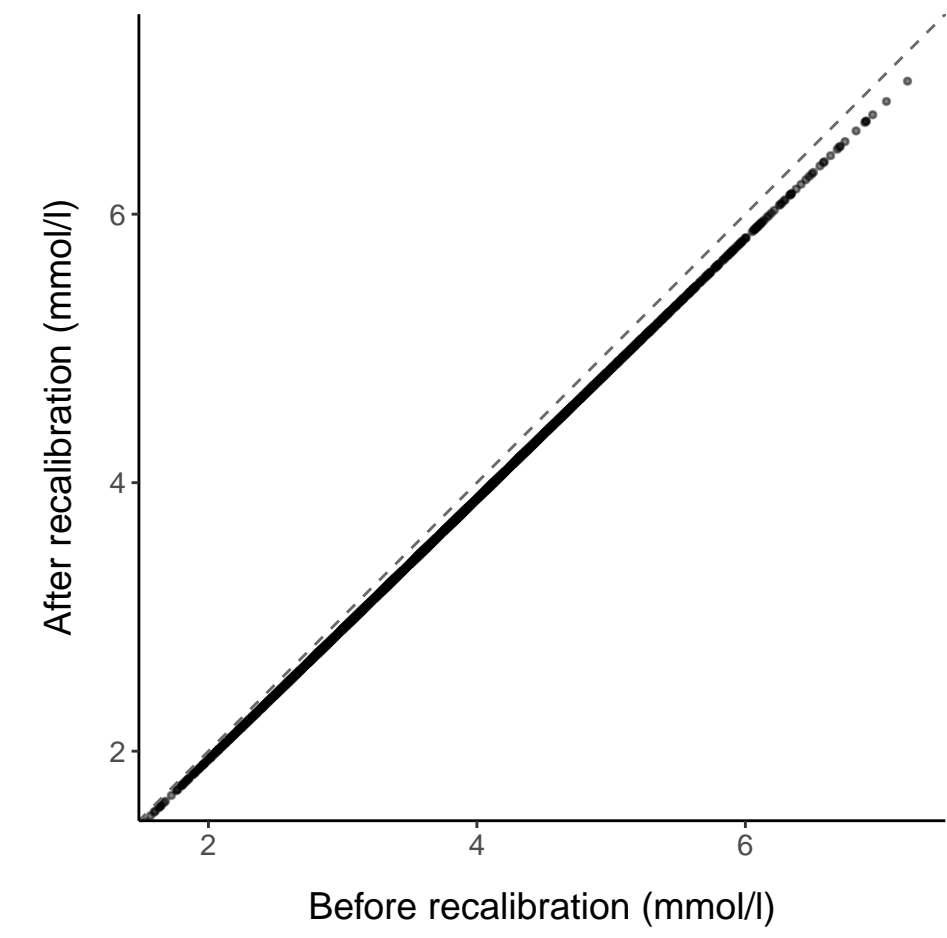
## SFA

R: 1  
 $y = -0.00 + 0.97x$



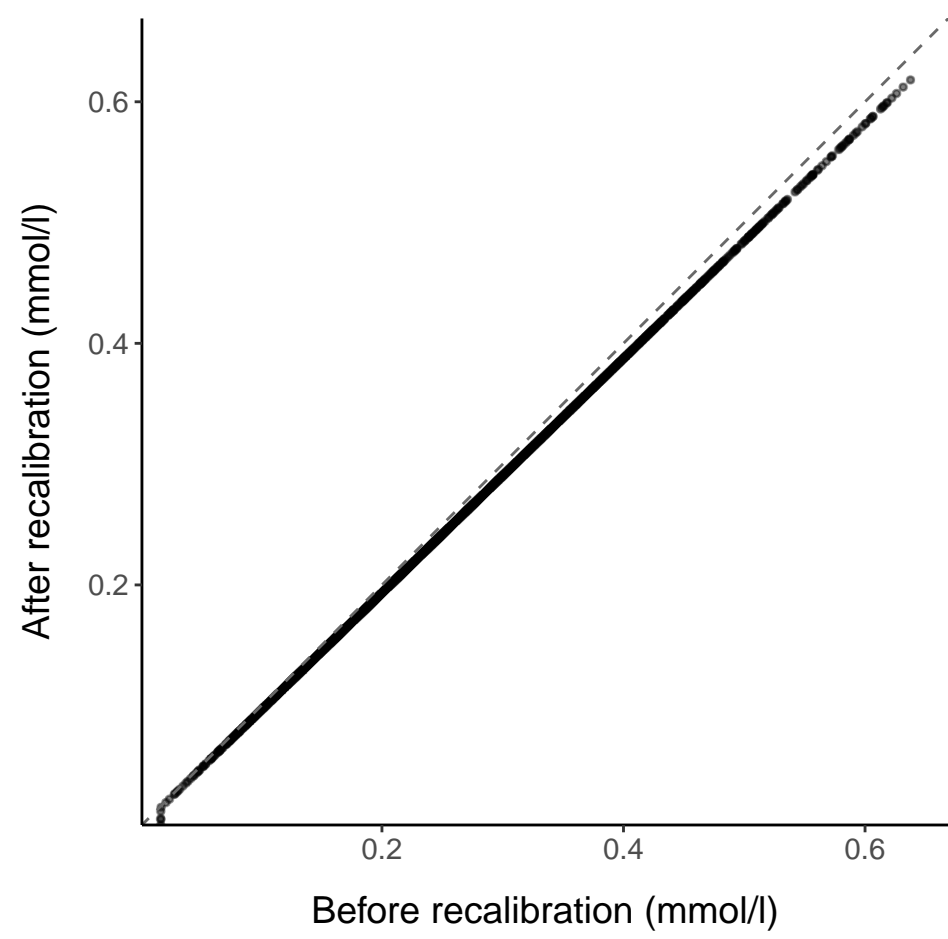
## LA

R: 1  
 $y = -0.01 + 0.97x$



## DHA

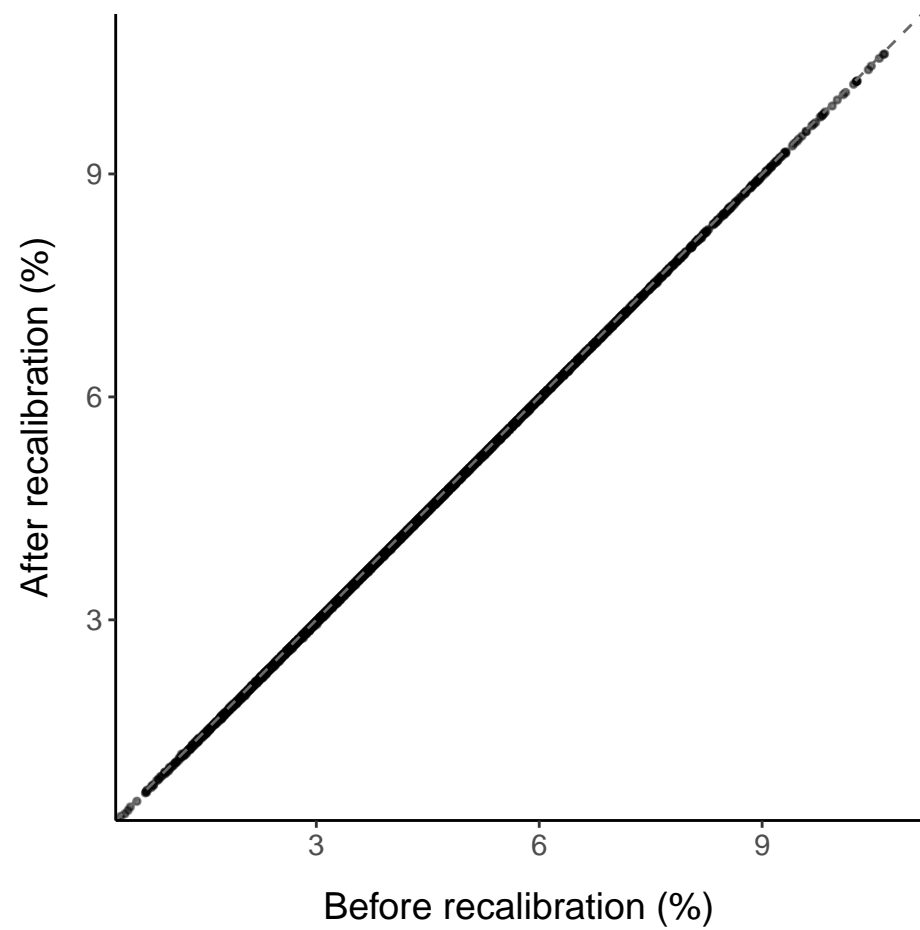
R: 1  
 $y = -0.00 + 0.97x$



# Fatty acid ratios

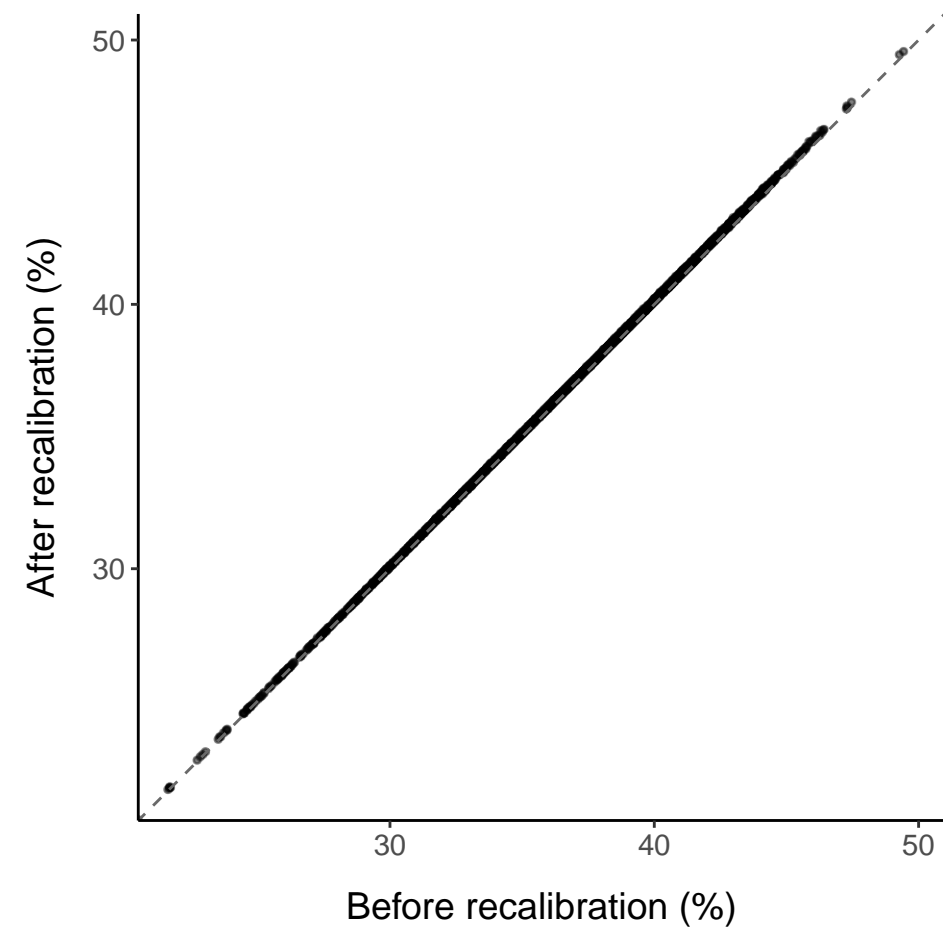
### Omega\_3\_pct

R: 1  
 $y = -0.04 + 1.00x$



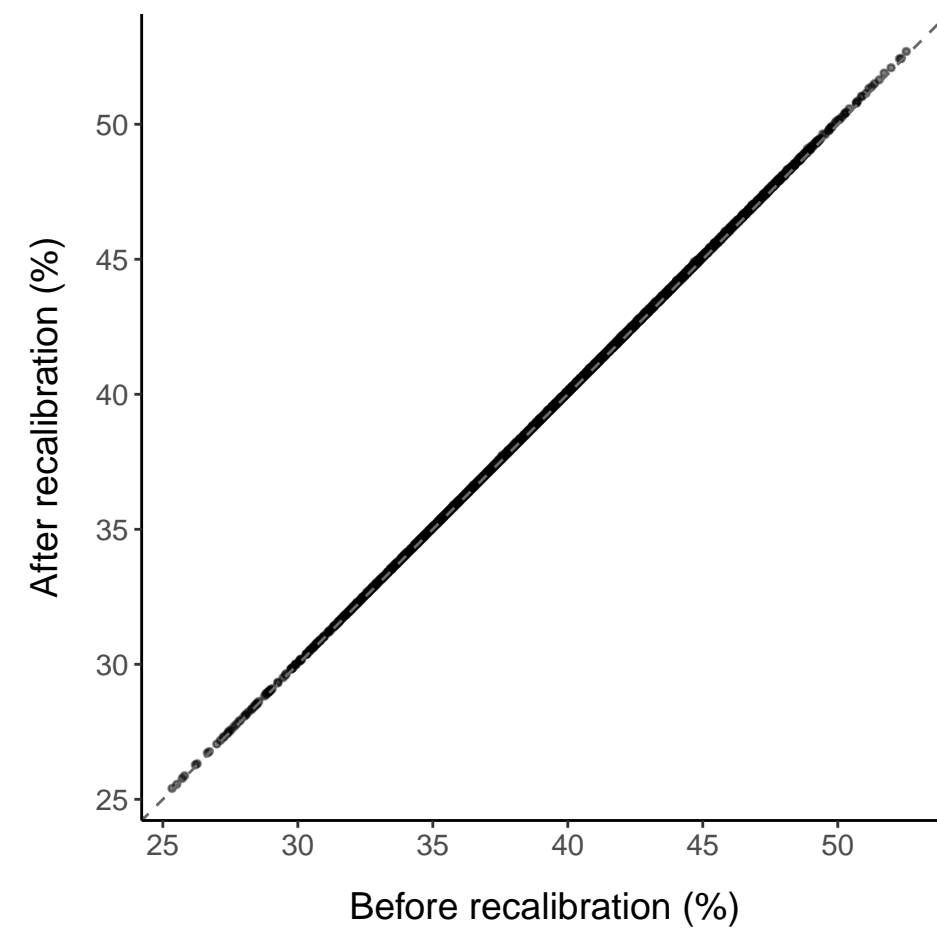
### Omega\_6\_pct

R: 1  
 $y = -0.06 + 1.00x$



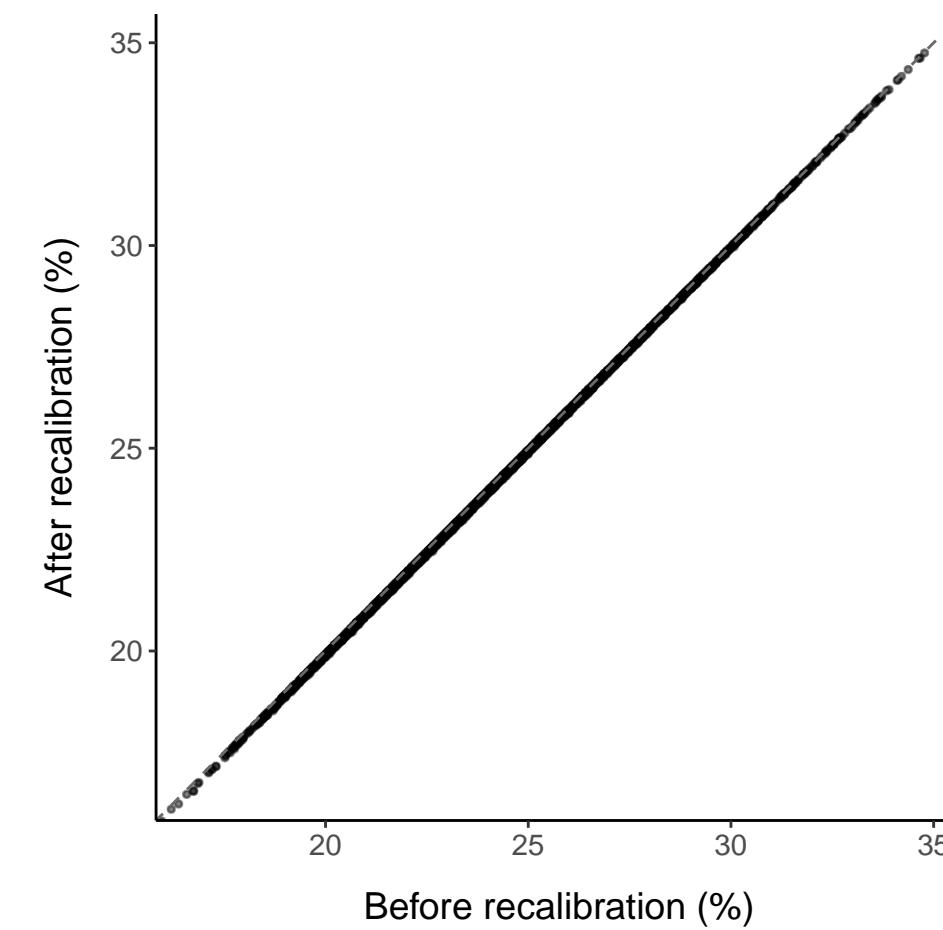
### PUFA\_pct

R: 1  
 $y = -0.05 + 1.00x$



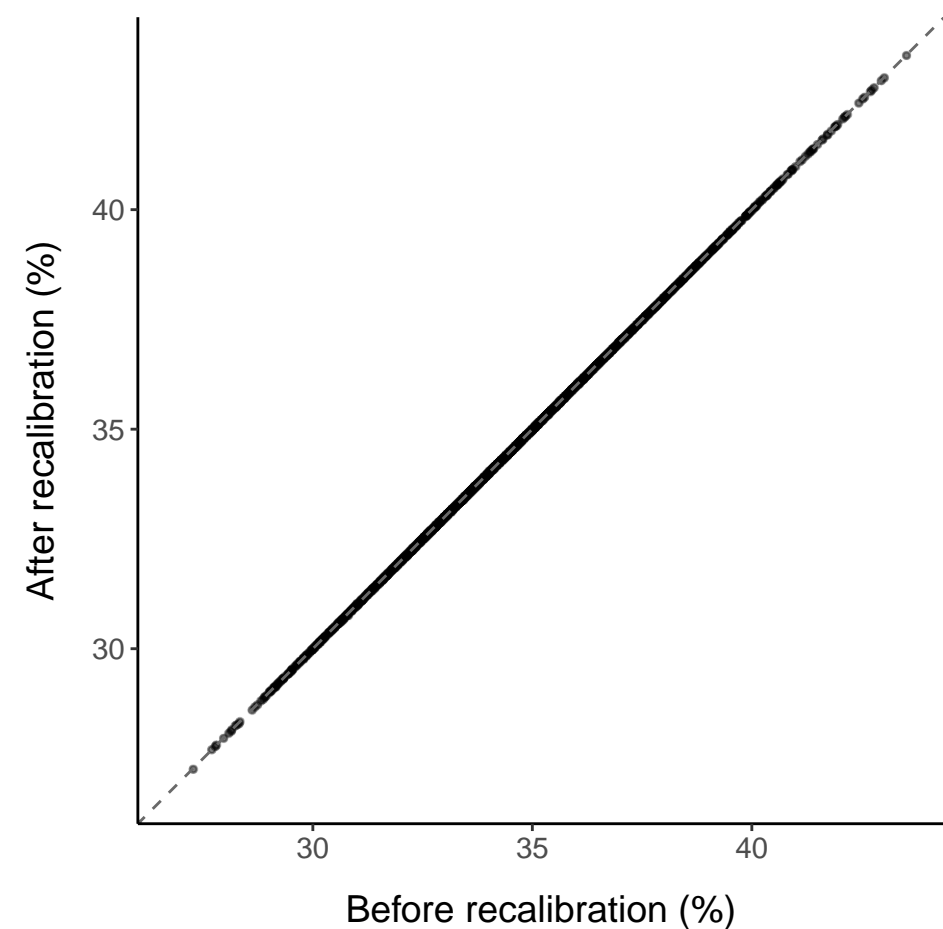
### MUFA\_pct

R: 1  
 $y = -0.19 + 1.00x$



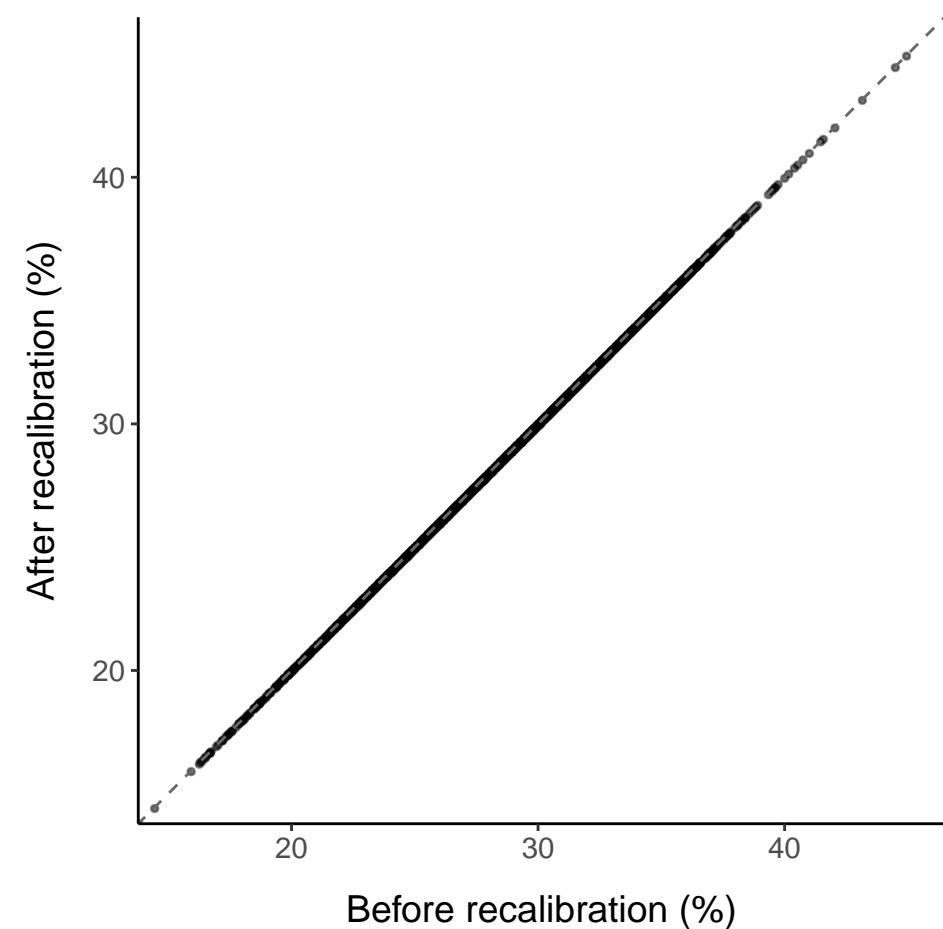
### SFA\_pct

R: 1  
 $y = -0.04 + 1.00x$



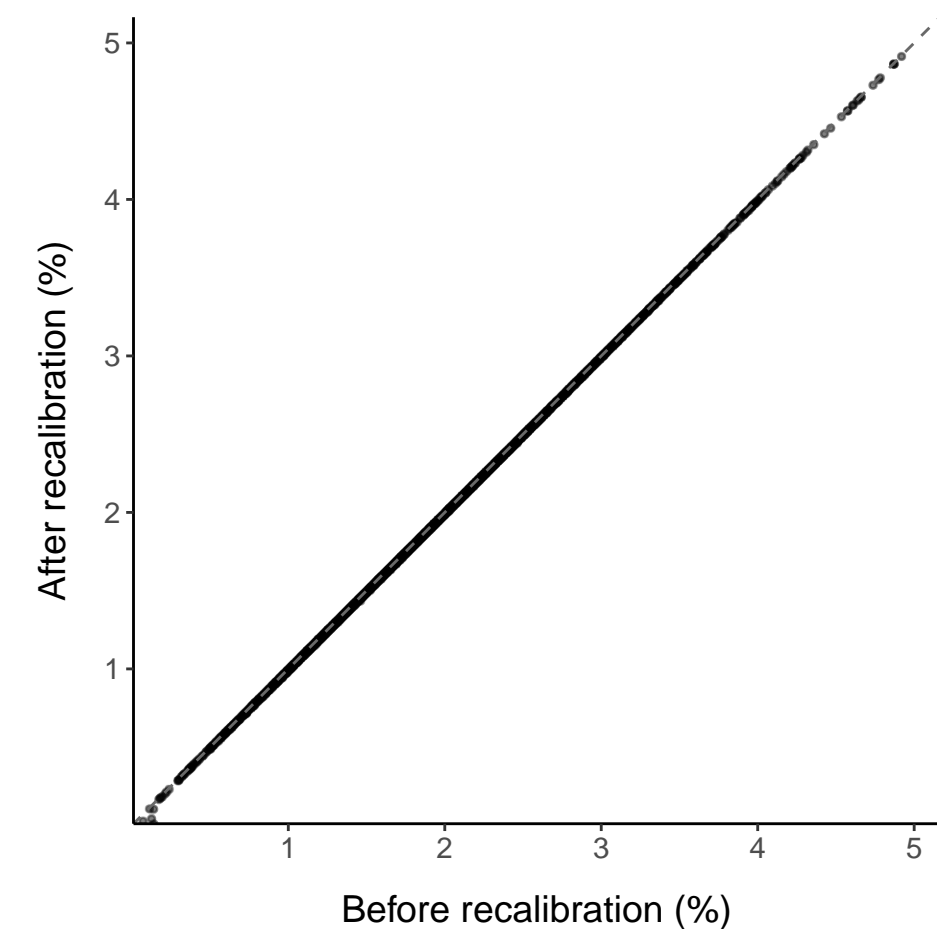
### LA\_pct

R: 1  
 $y = -0.05 + 1.00x$



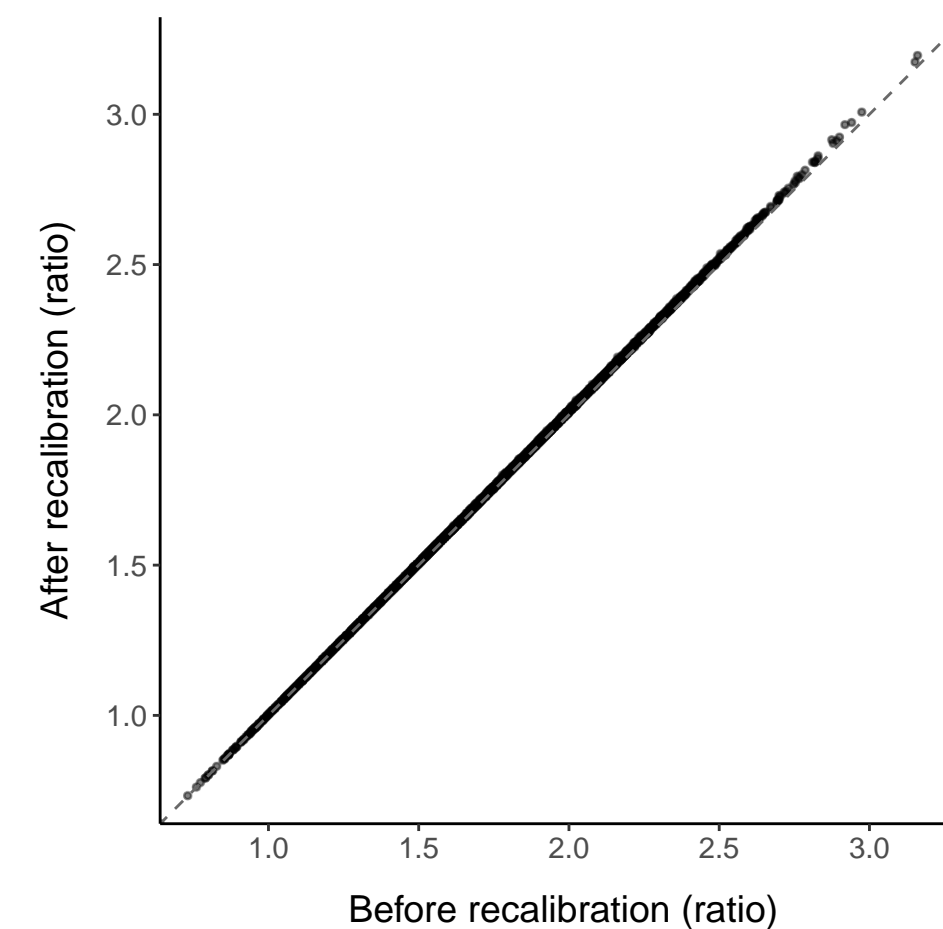
### DHA\_pct

R: 1  
 $y = -0.01 + 1.00x$



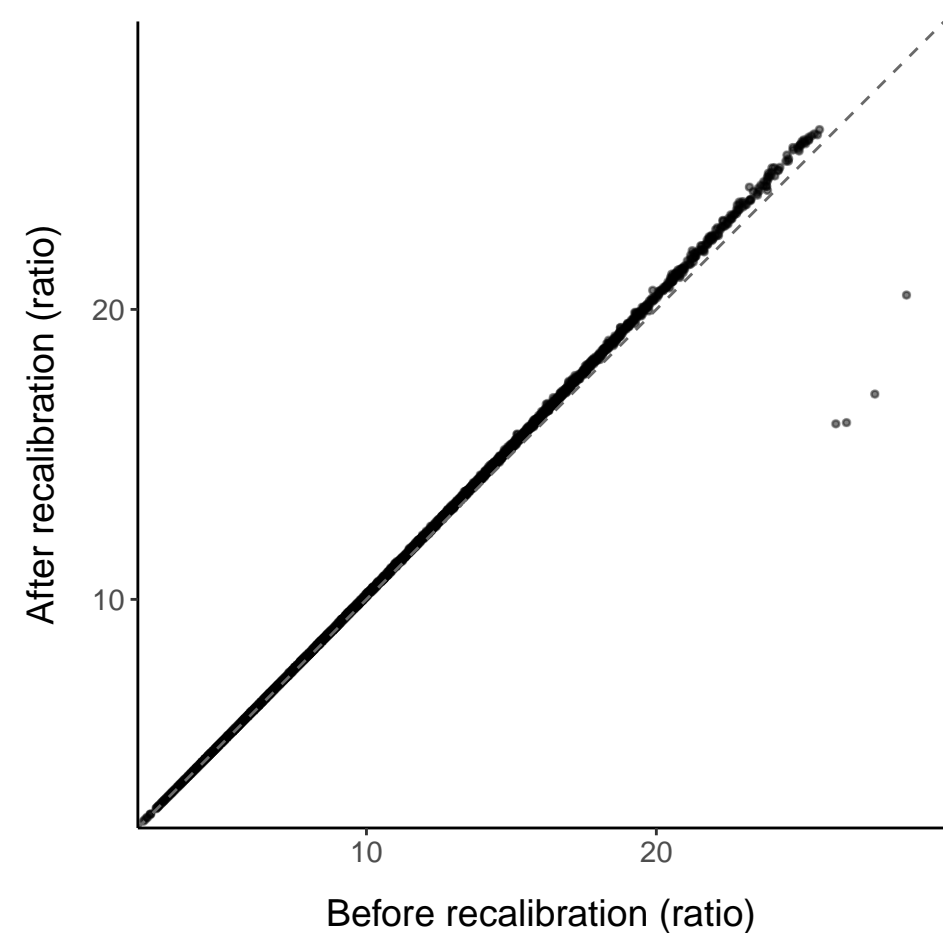
### PUFA\_by\_MUFA

R: 1  
 $y = -0.01 + 1.01x$

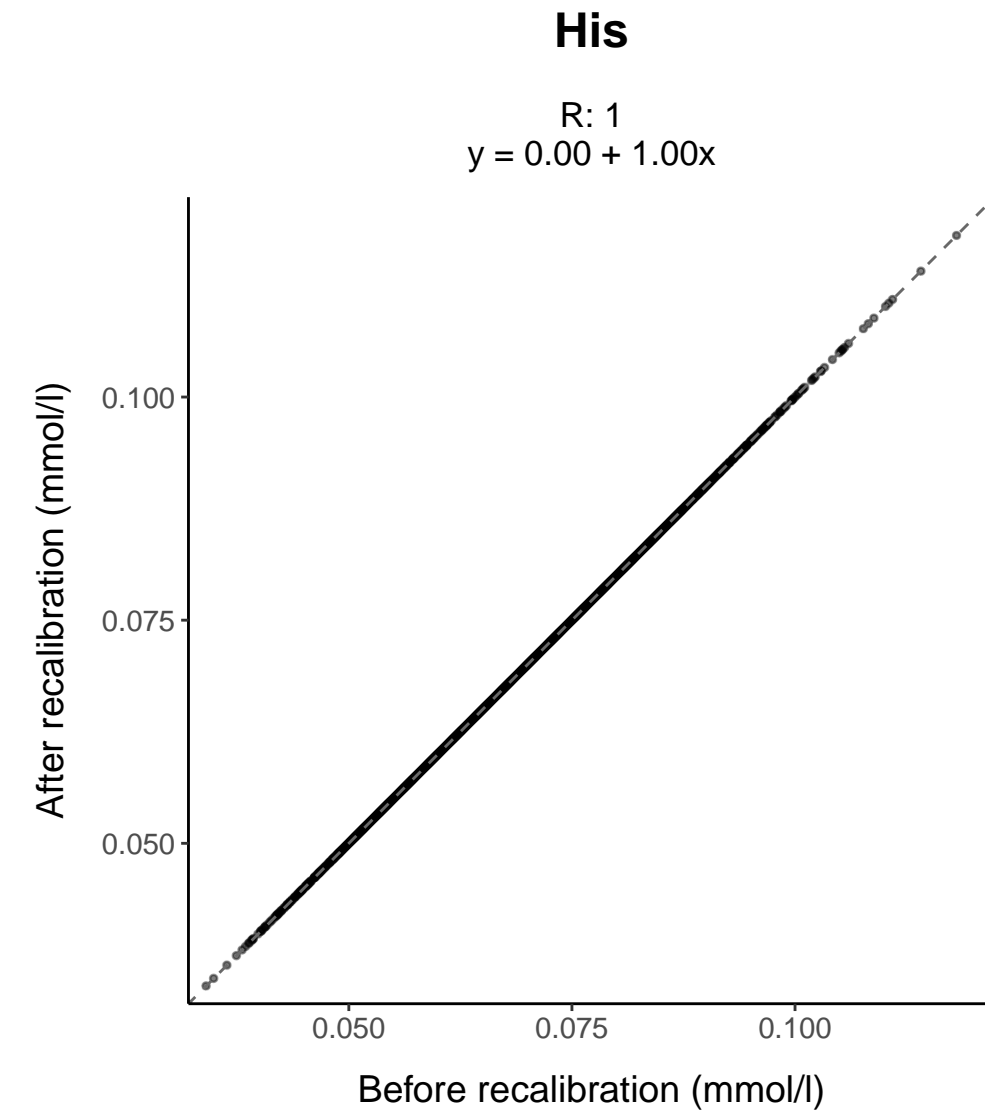
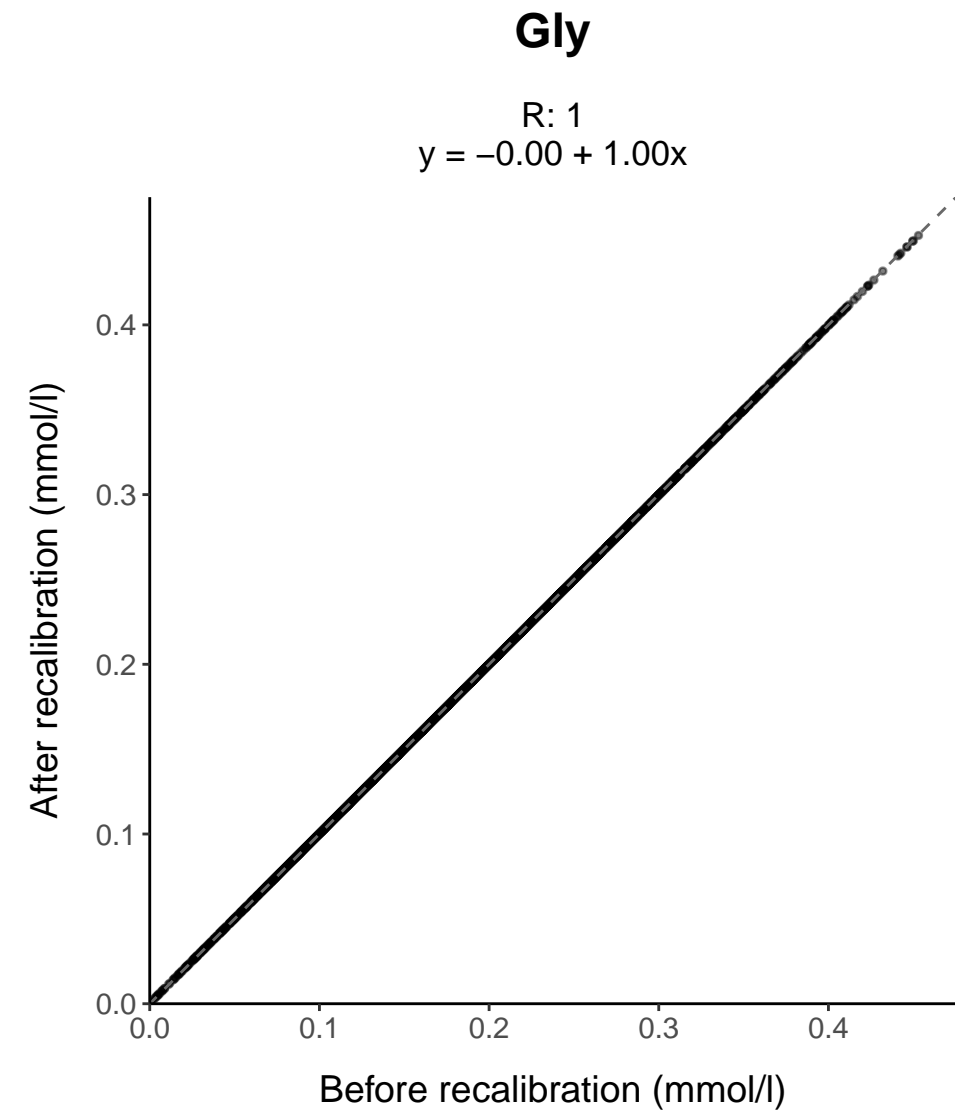
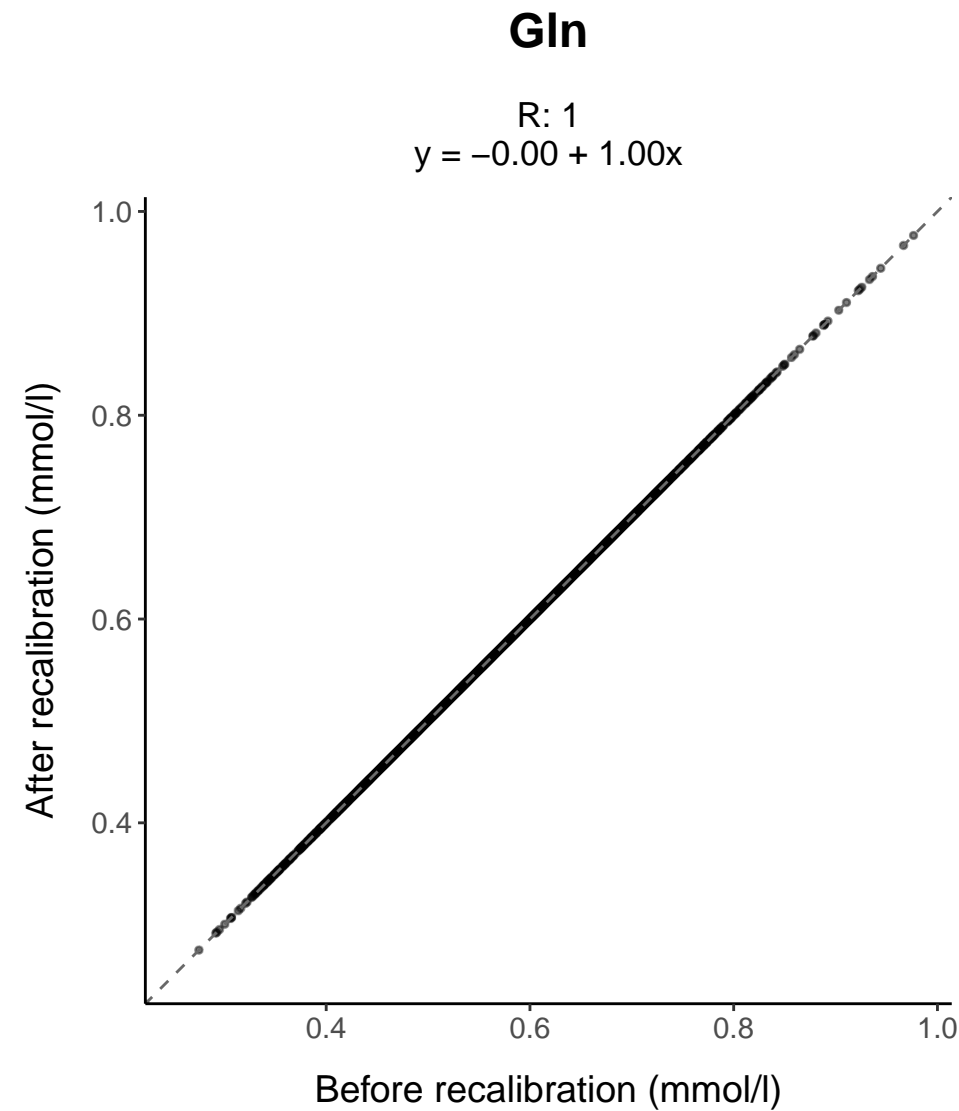
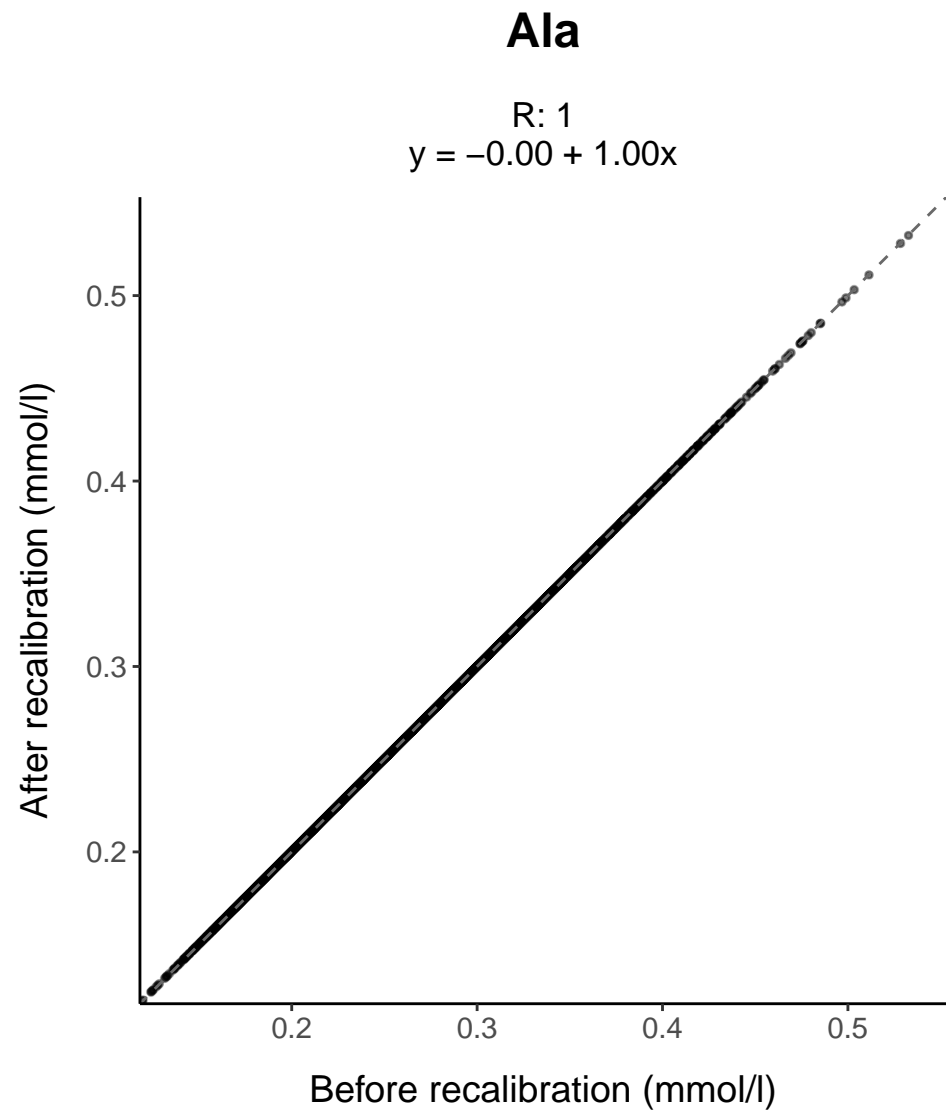


### Omega\_6\_by\_Omega\_3

R: 1  
 $y = -0.09 + 1.02x$



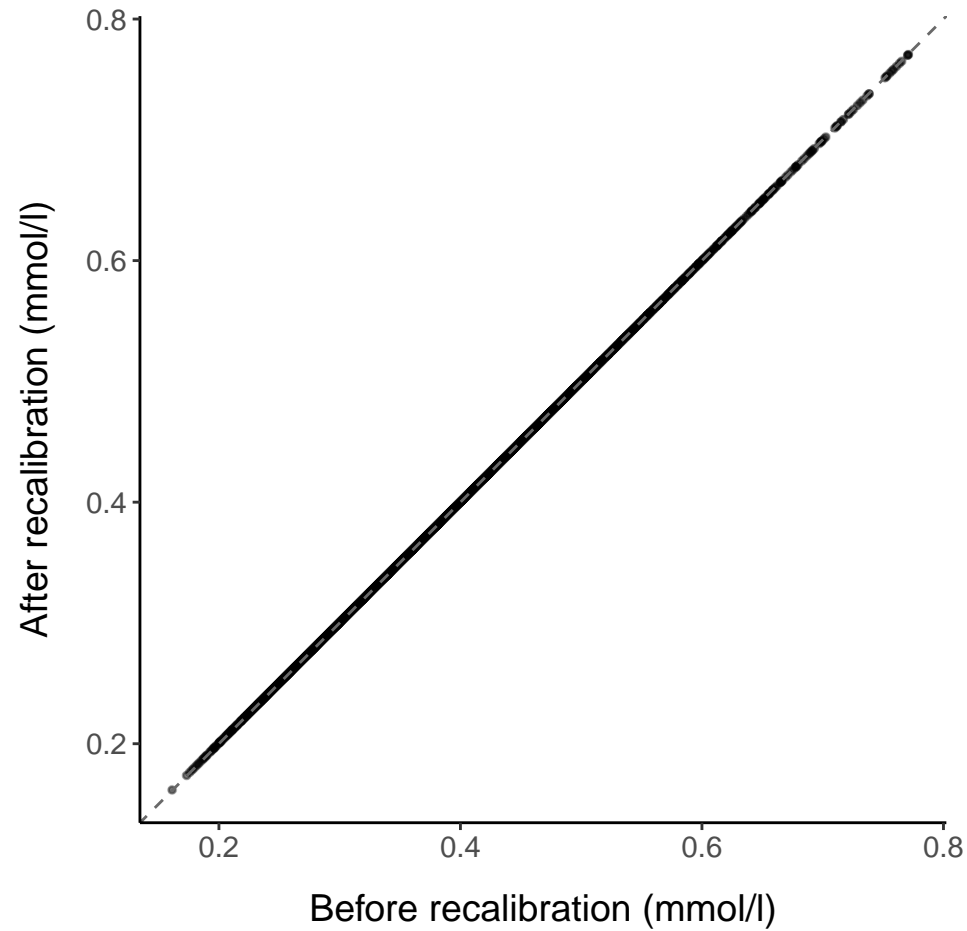
# Amino acids



# Branched-chain amino acids

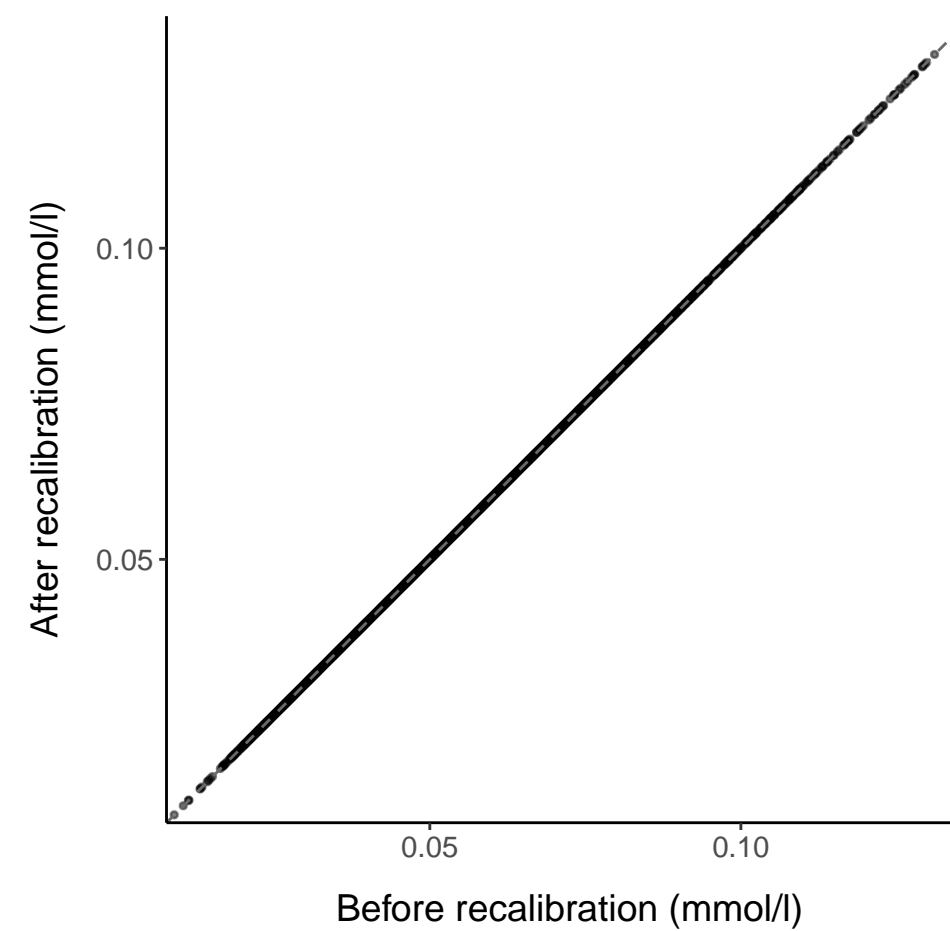
## Total\_BCAA

R: 1  
 $y = 0.00 + 1.00x$



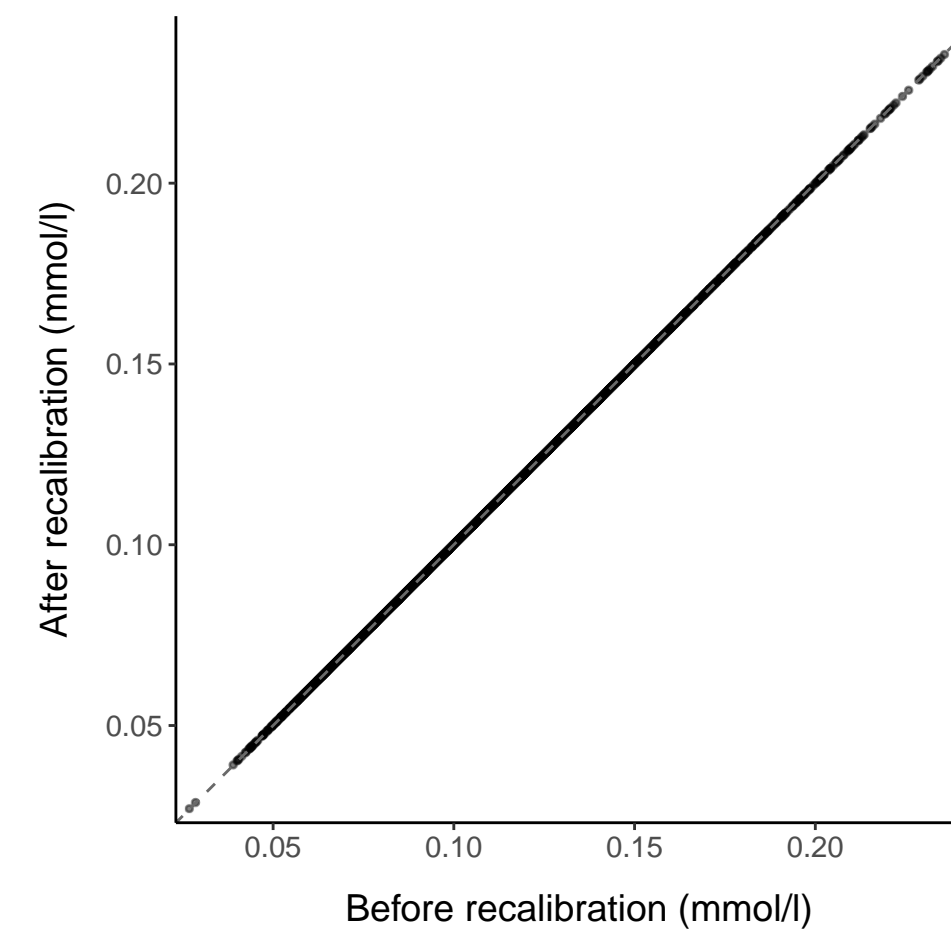
## Ile

R: 1  
 $y = 0.00 + 1.00x$



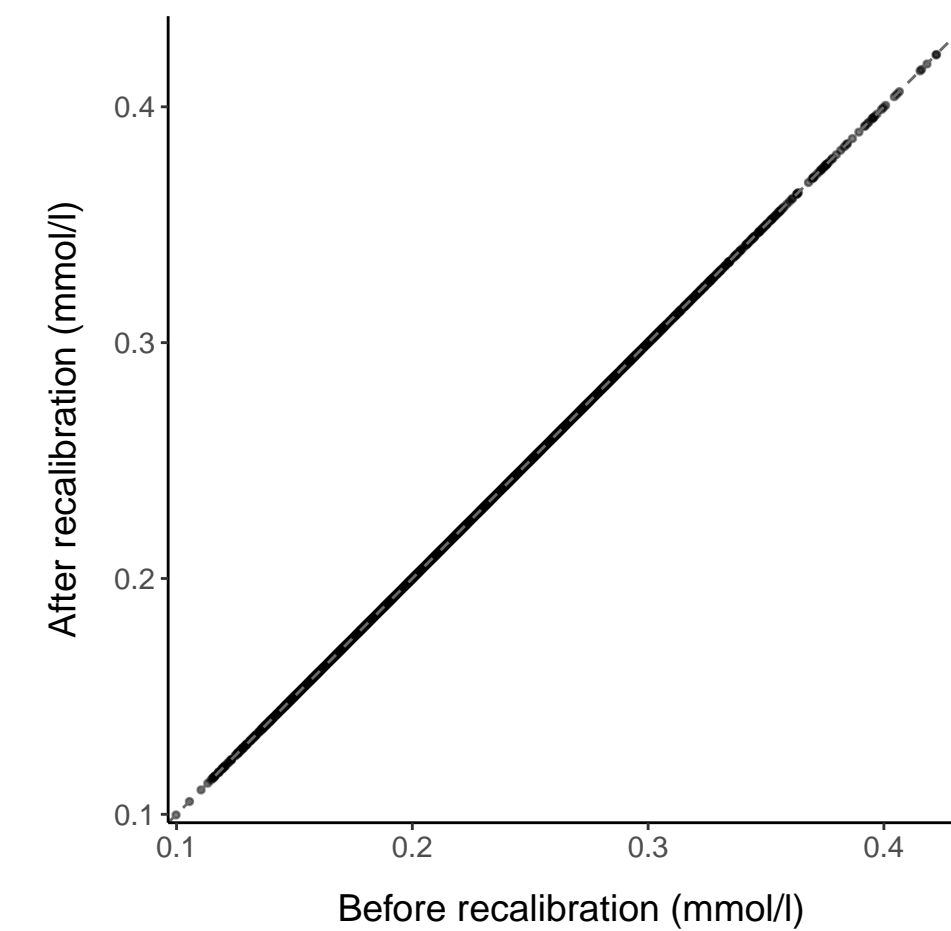
## Leu

R: 1  
 $y = 0.00 + 1.00x$



## Val

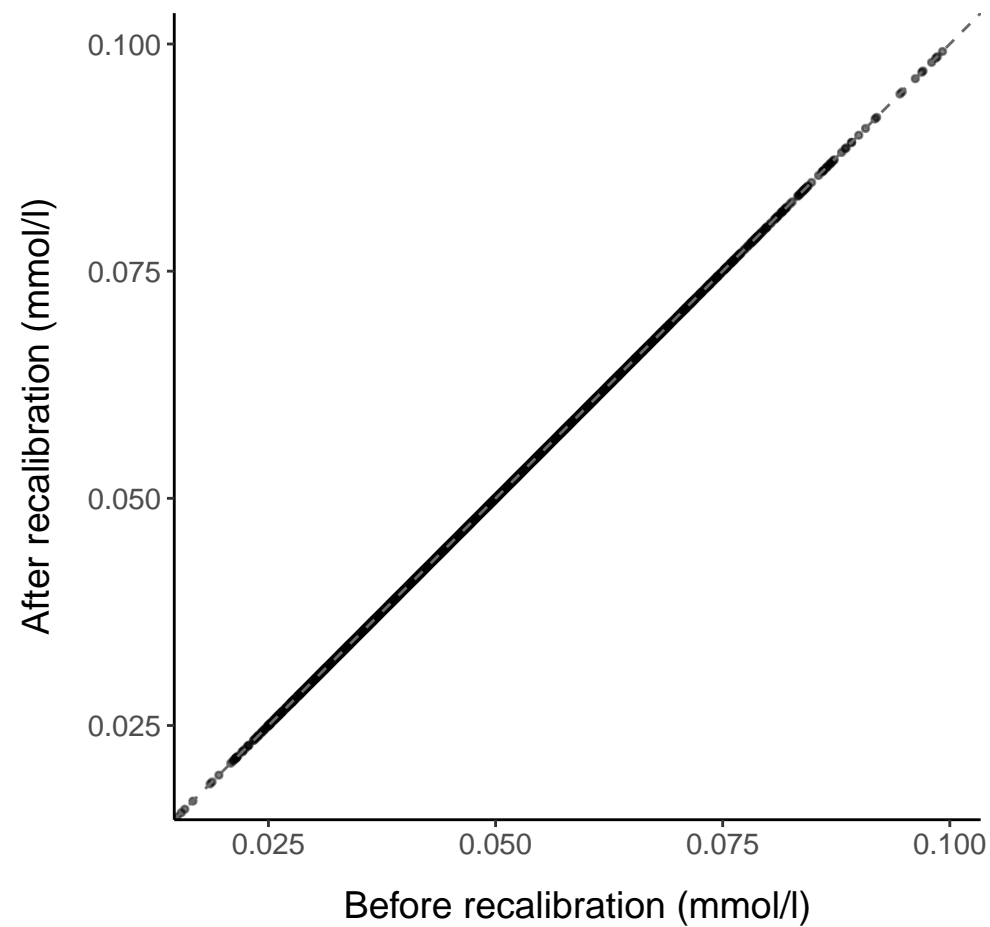
R: 1  
 $y = 0.00 + 1.00x$



# Aromatic amino acids

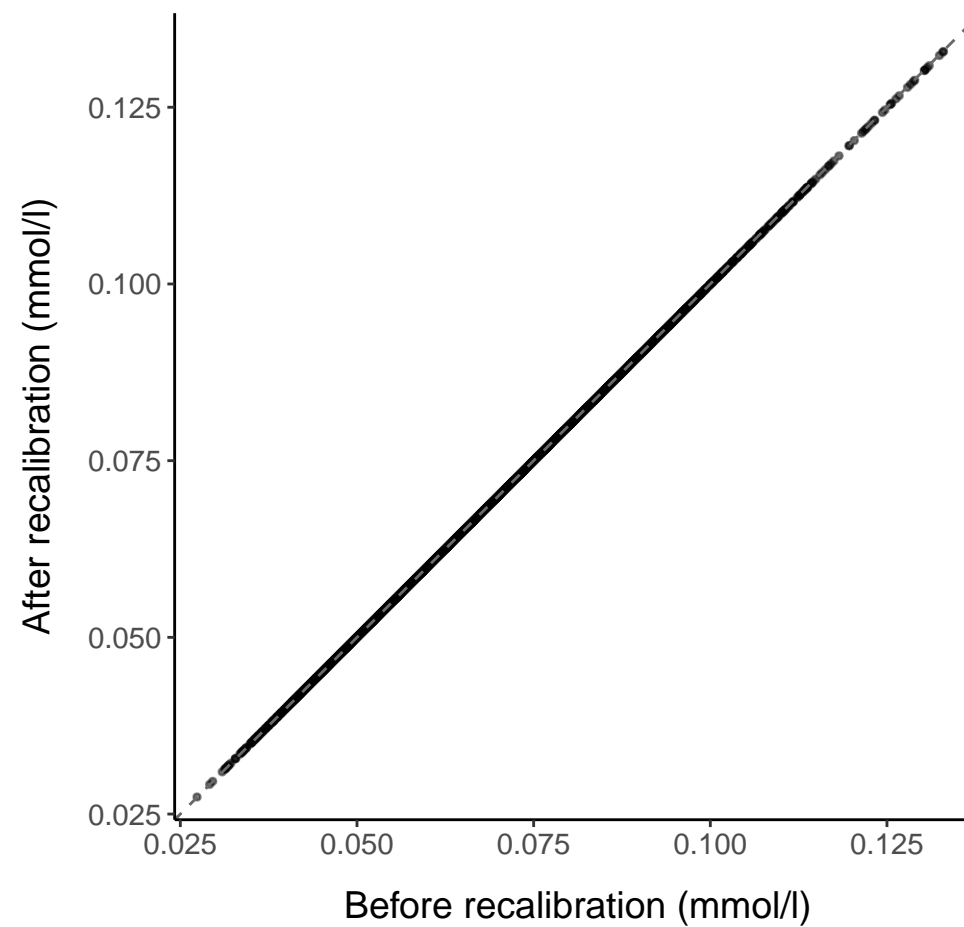
## Phe

R: 1  
 $y = 0.00 + 1.00x$



## Tyr

R: 1  
 $y = -0.00 + 1.00x$

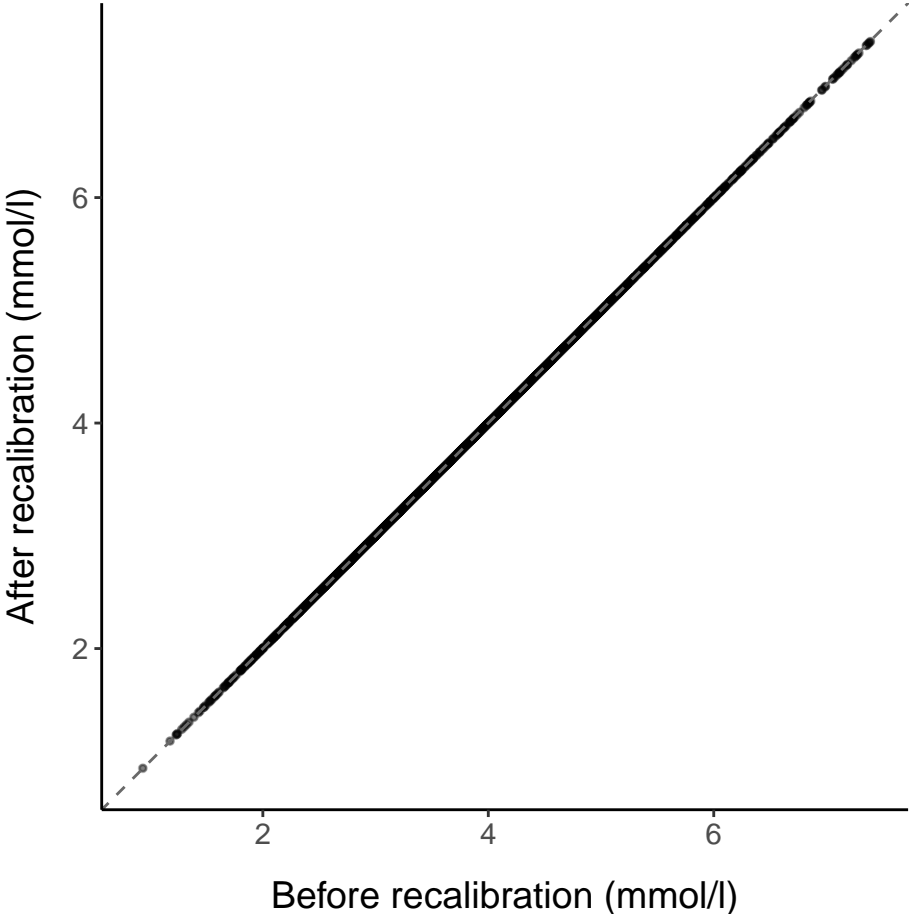




# Glycolysis related metabolites

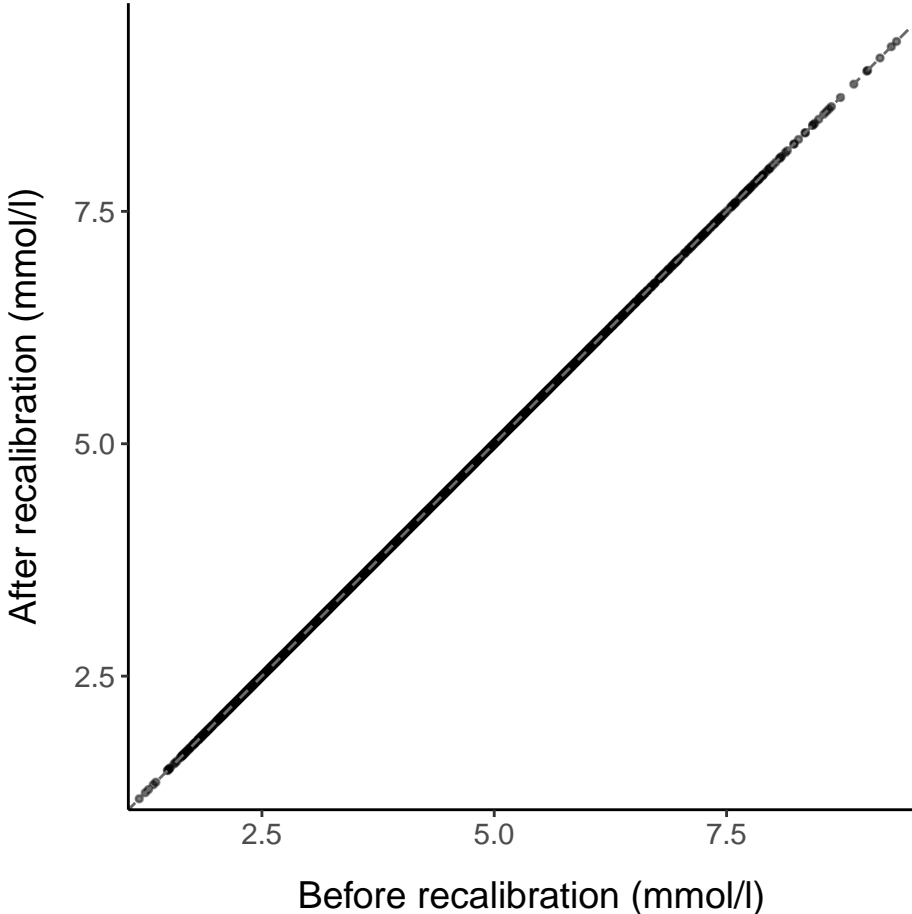
## Glucose

R: 1  
 $y = 0.00 + 1.00x$



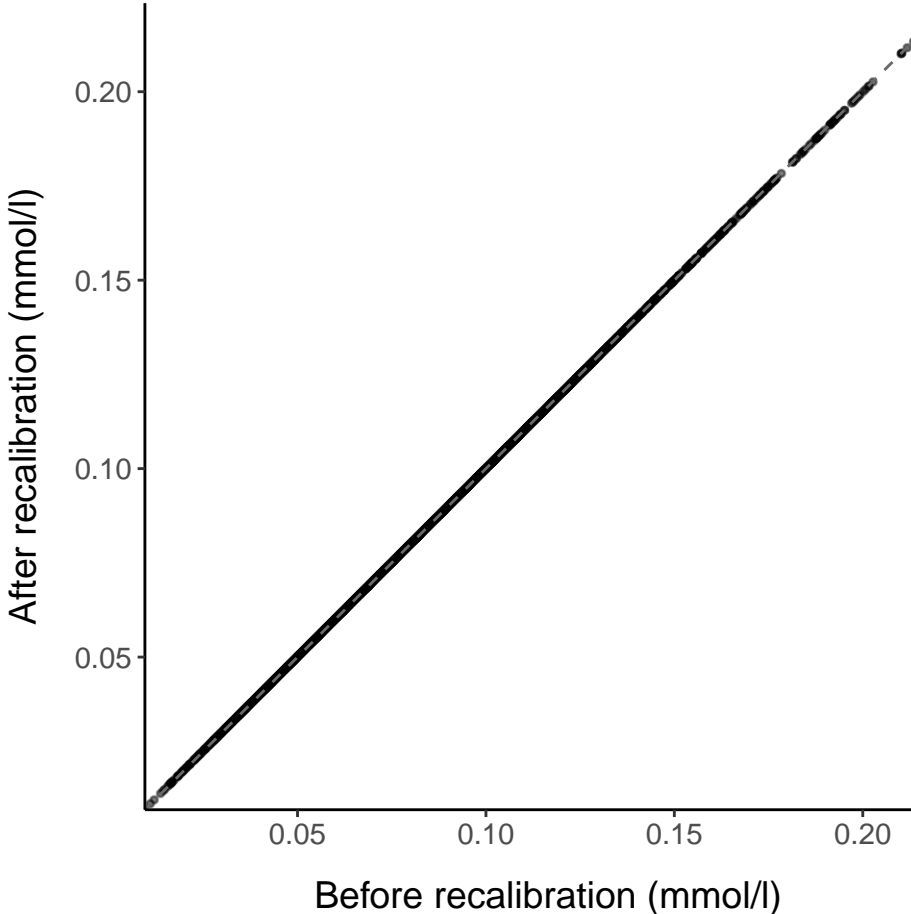
## Lactate

R: 1  
 $y = 0.00 + 1.00x$



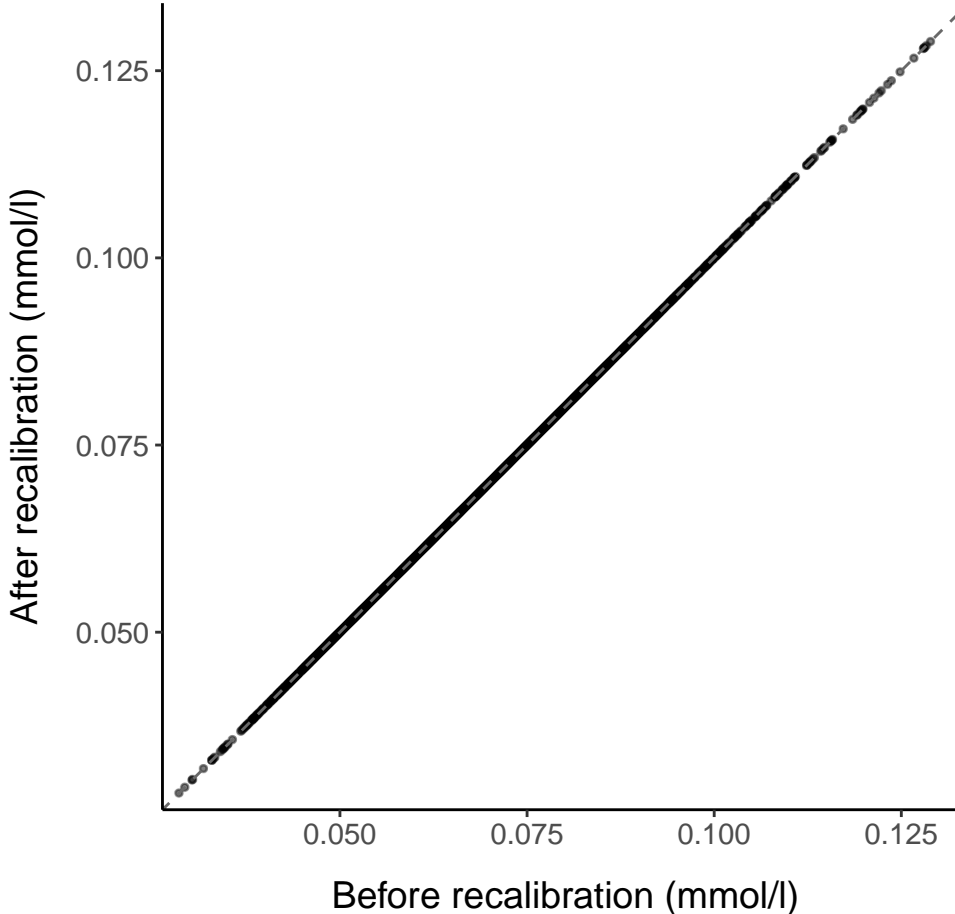
## Pyruvate

R: 1  
 $y = 0.00 + 1.00x$



## Citrate

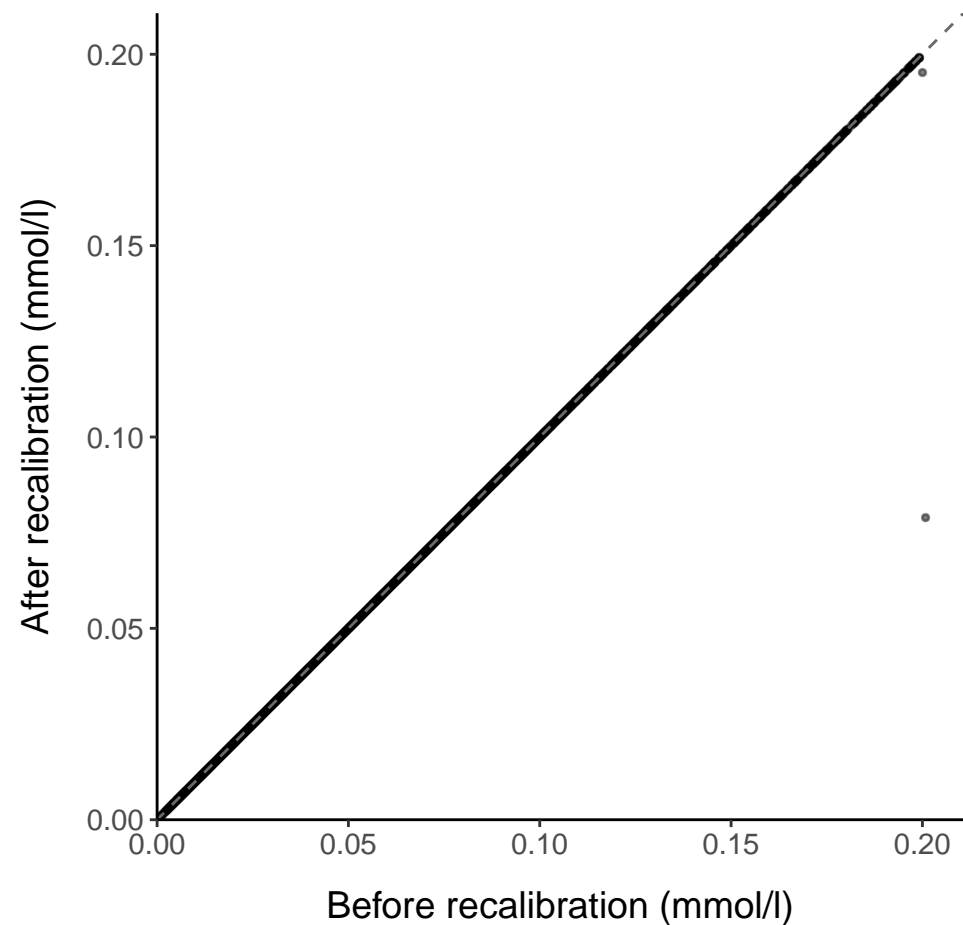
R: 1  
 $y = -0.00 + 1.00x$



# Ketone bodies

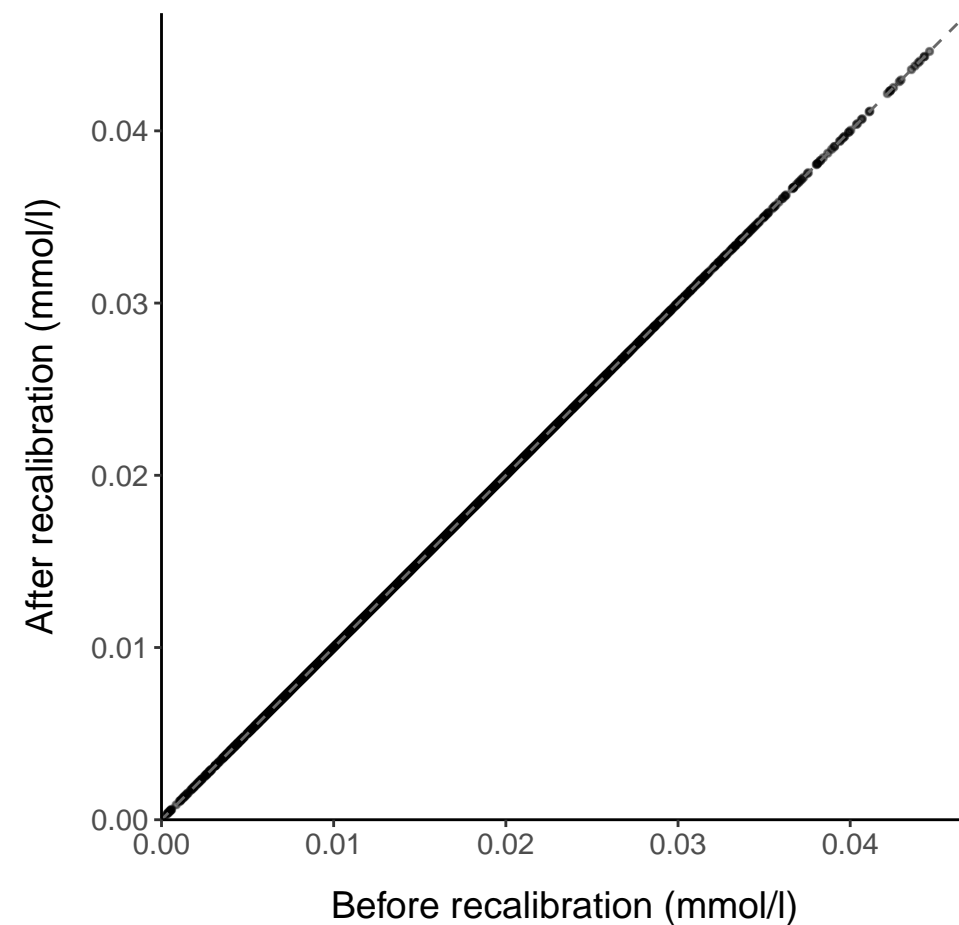
## bOHbutyrate

R: 1  
 $y = 0.00 + 1.00x$



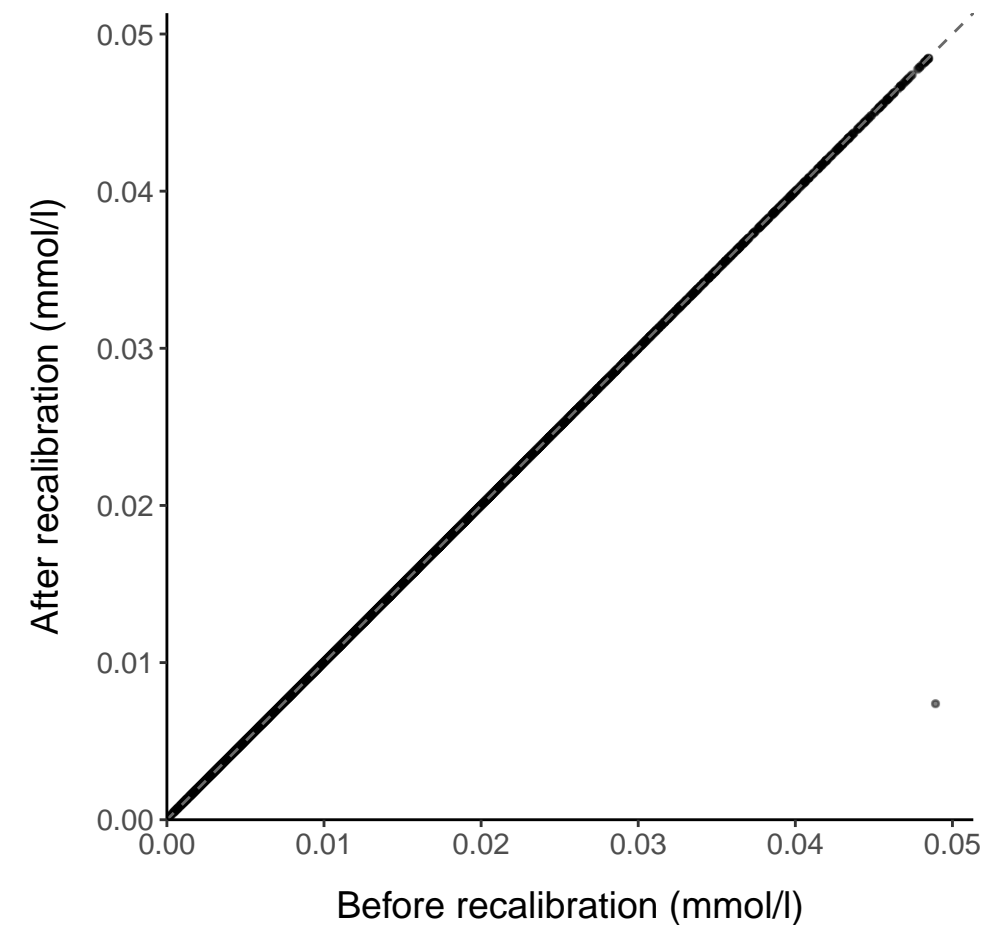
## Acetate

R: 1  
 $y = -0.00 + 1.00x$



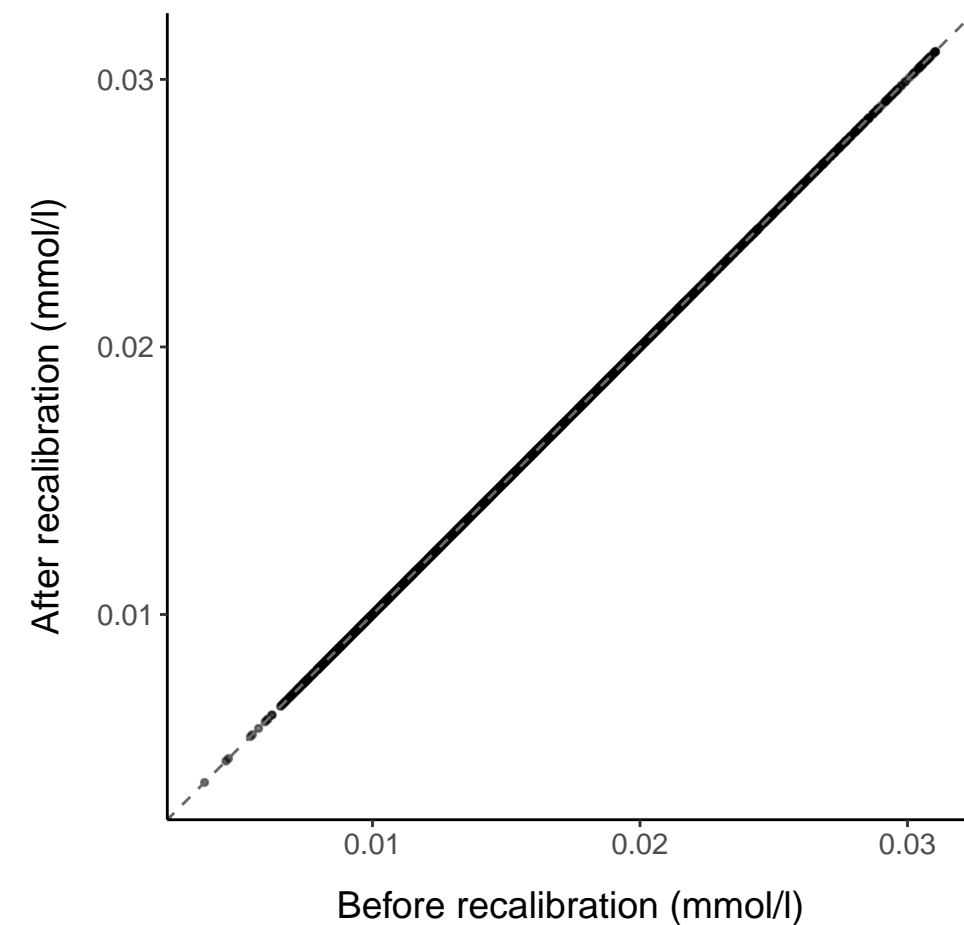
## Acetoacetate

R: 1  
 $y = 0.00 + 1.00x$



## Acetone

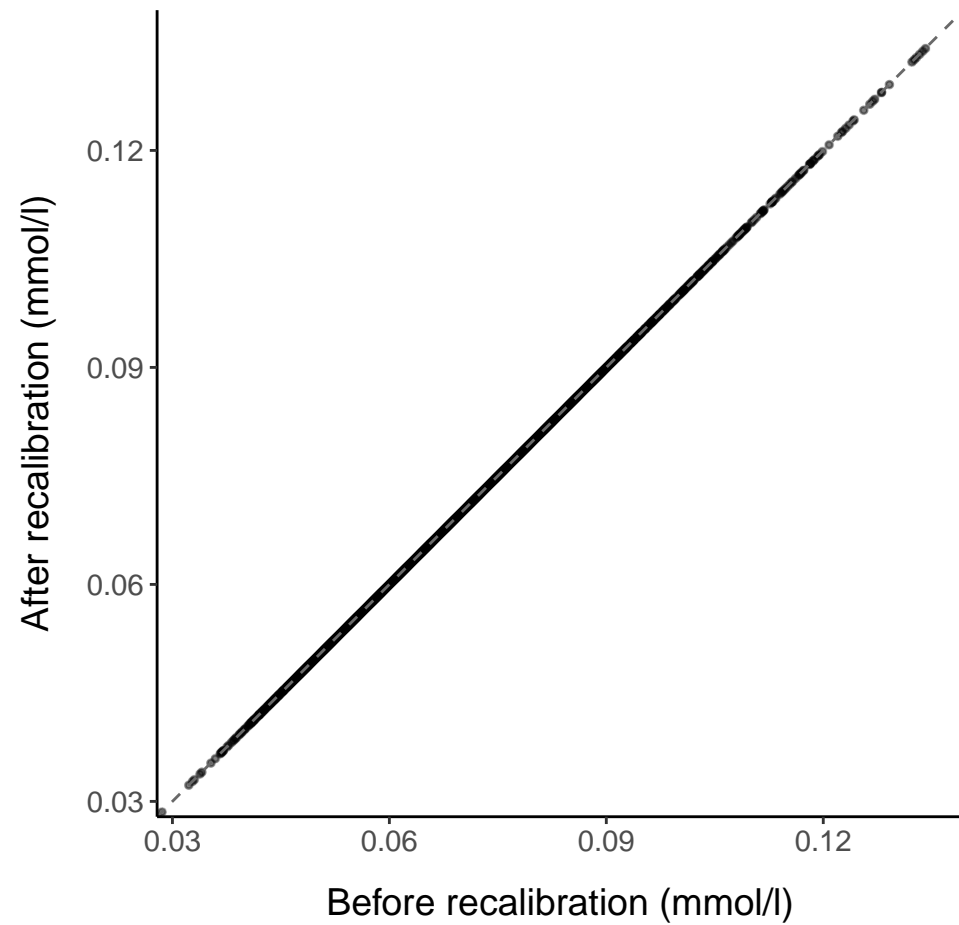
R: 1  
 $y = 0.00 + 1.00x$



# Fluid balance

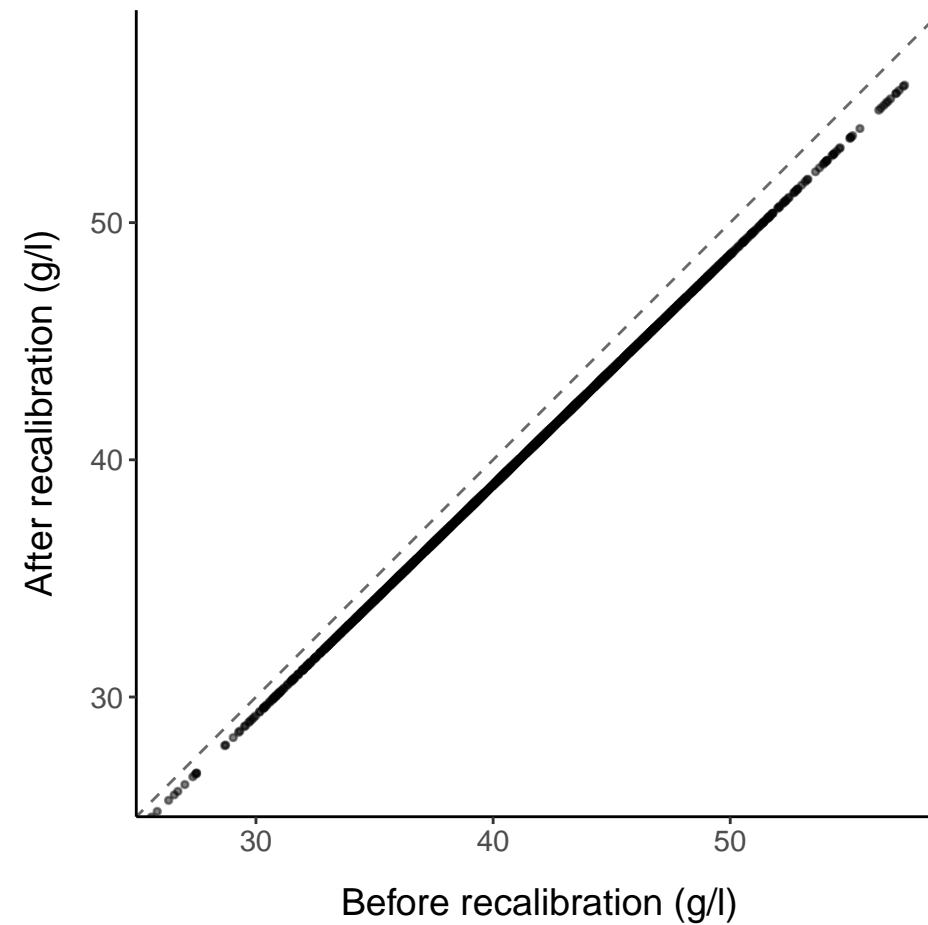
## Creatinine

R: 1  
 $y = -0.00 + 1.00x$



## Albumin

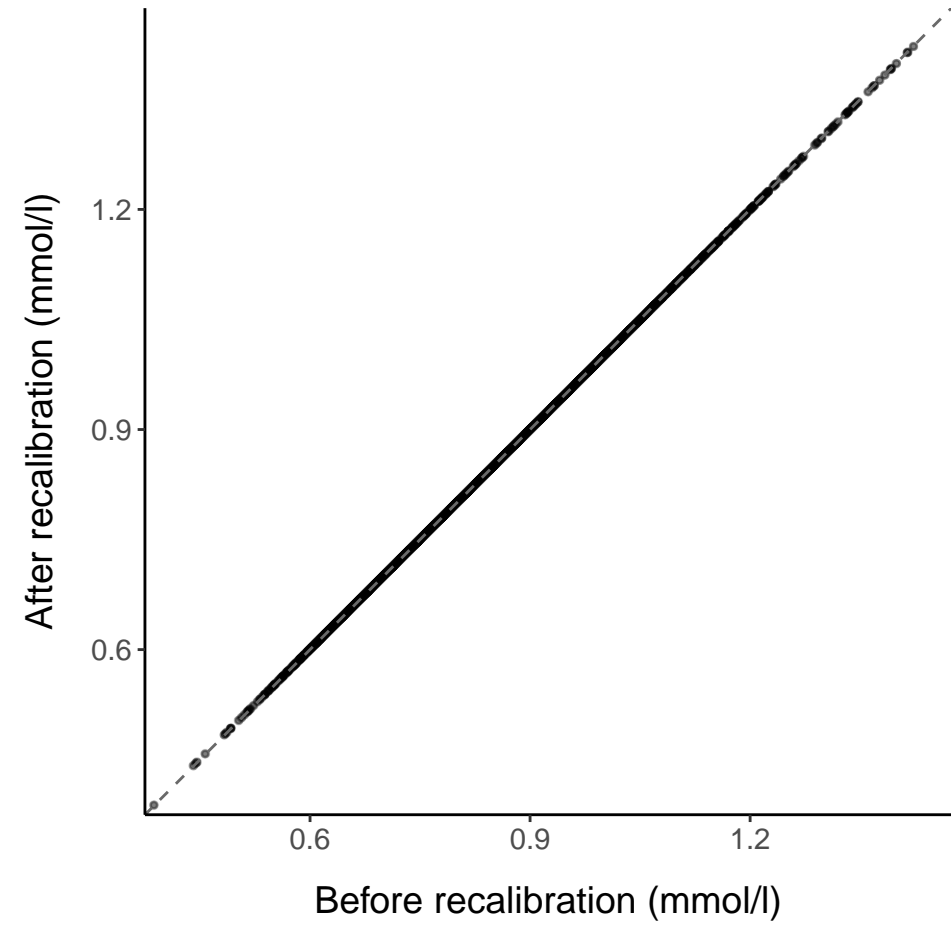
R: 1  
 $y = 0.07 + 0.97x$



# Inflammation

## GlycA

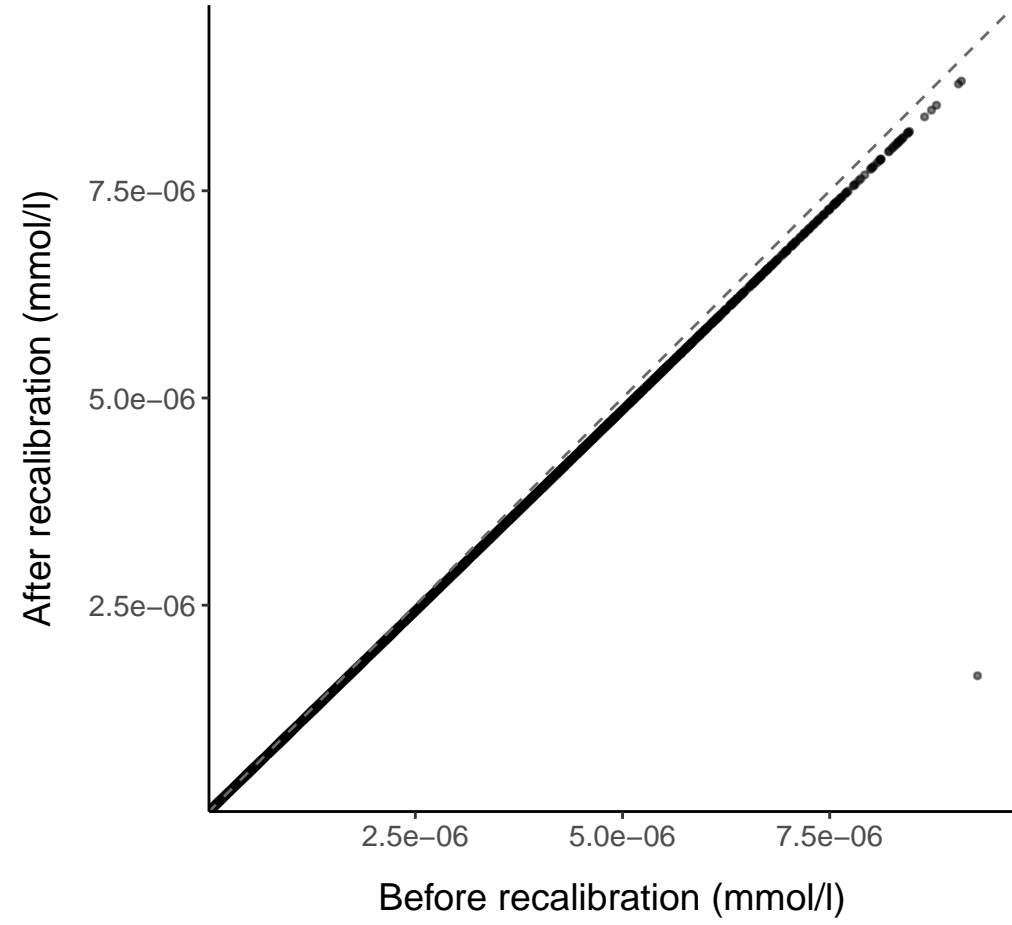
R: 1  
 $y = 0.00 + 1.00x$



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

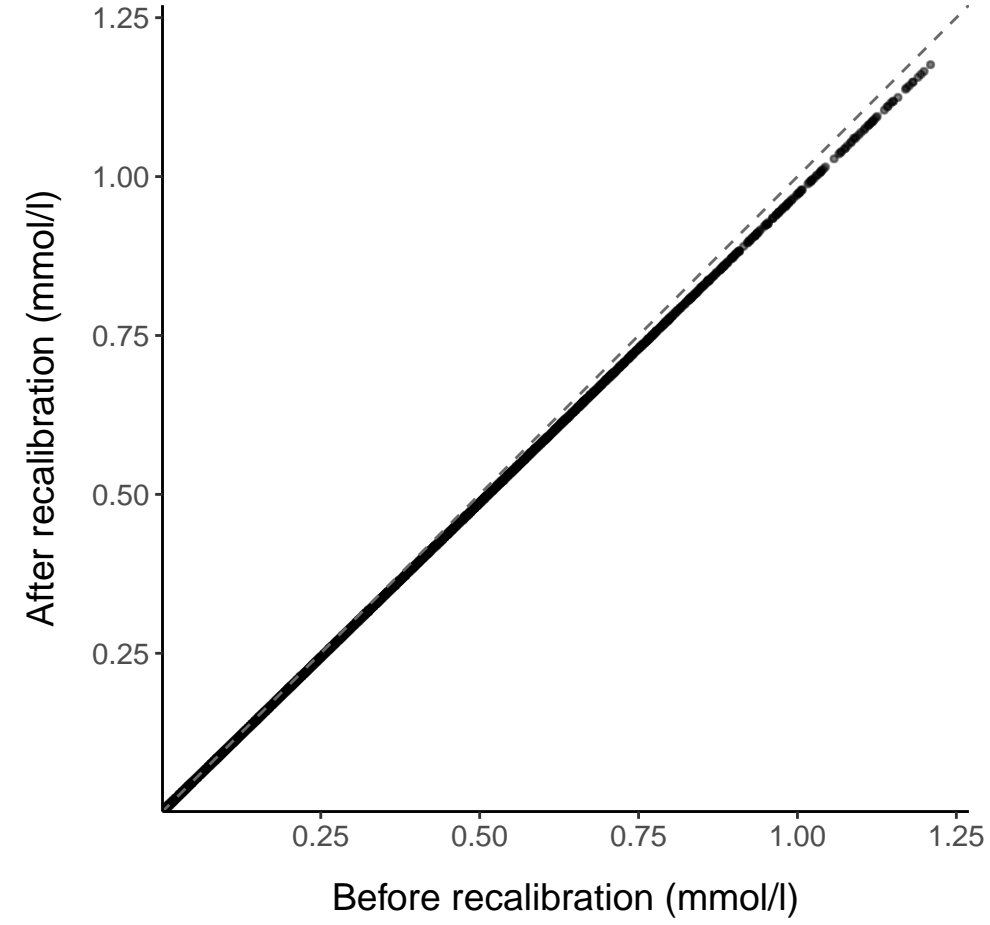
### XXL\_VLDL\_P

R: 1  
 $y = 0.00 + 0.97x$



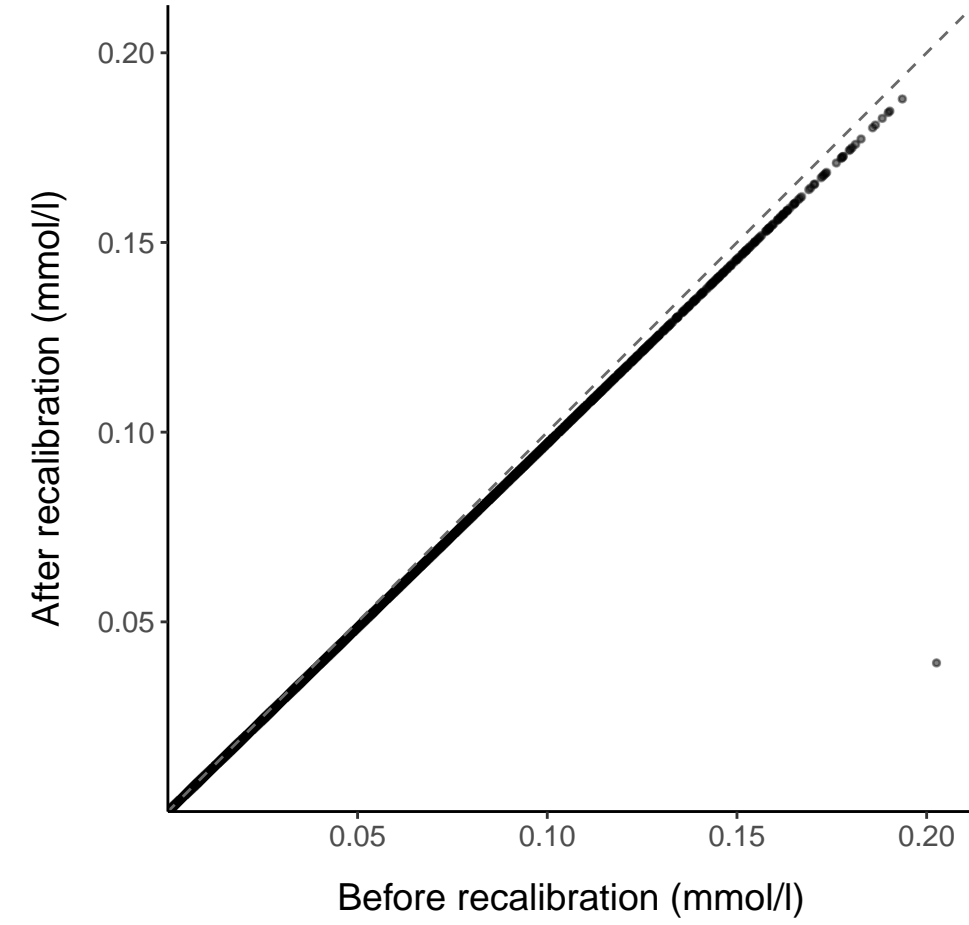
### XXL\_VLDL\_L

R: 1  
 $y = 0.00 + 0.97x$



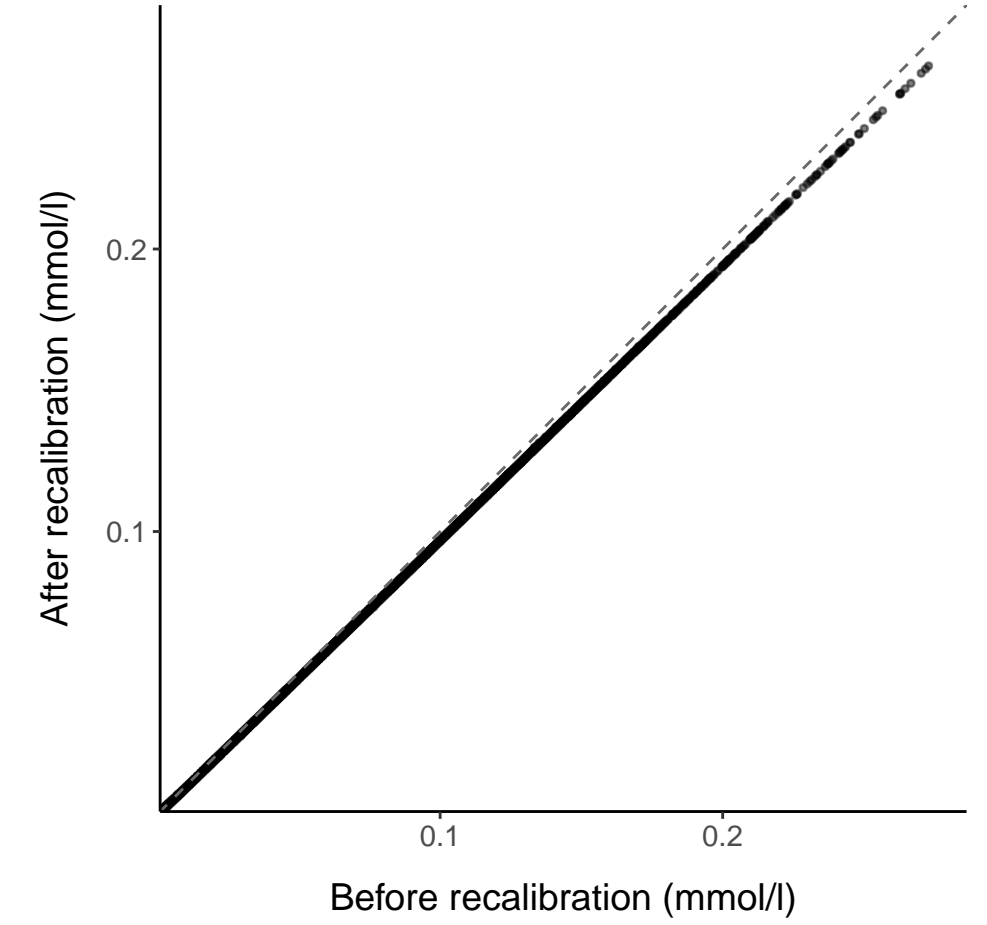
### XXL\_VLDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



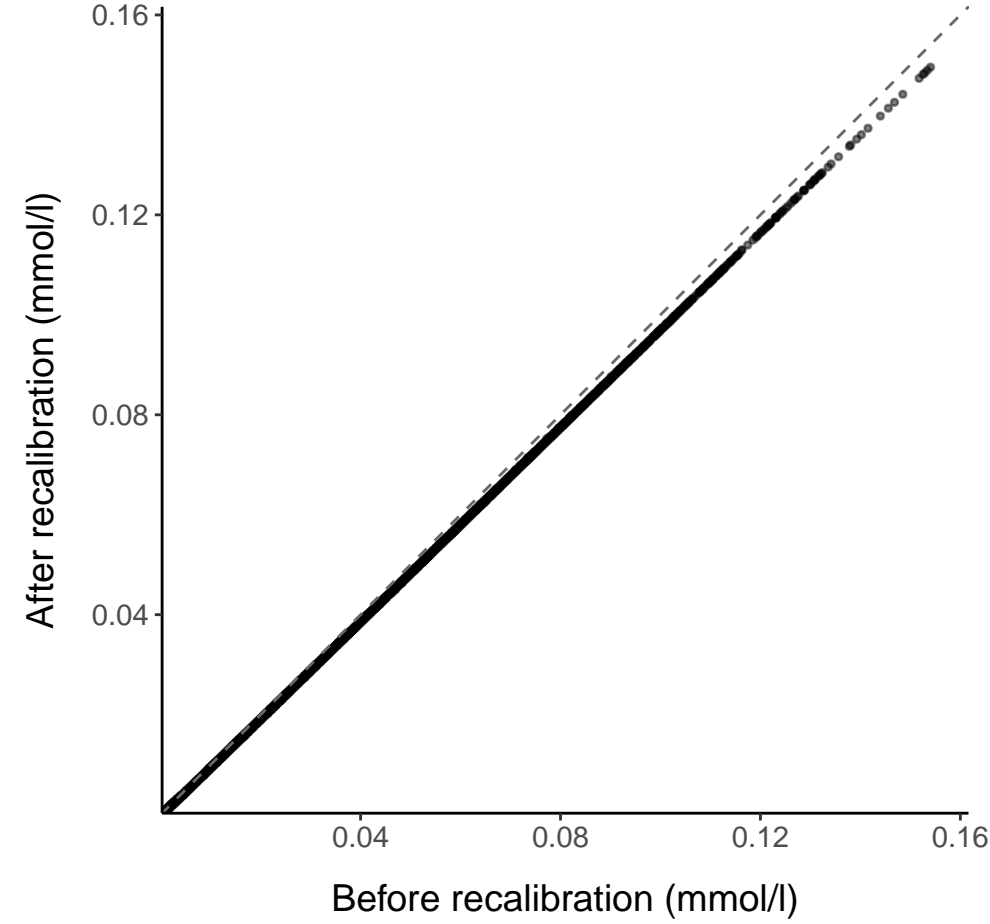
### XXL\_VLDL\_C

R: 1  
 $y = -0.00 + 0.97x$



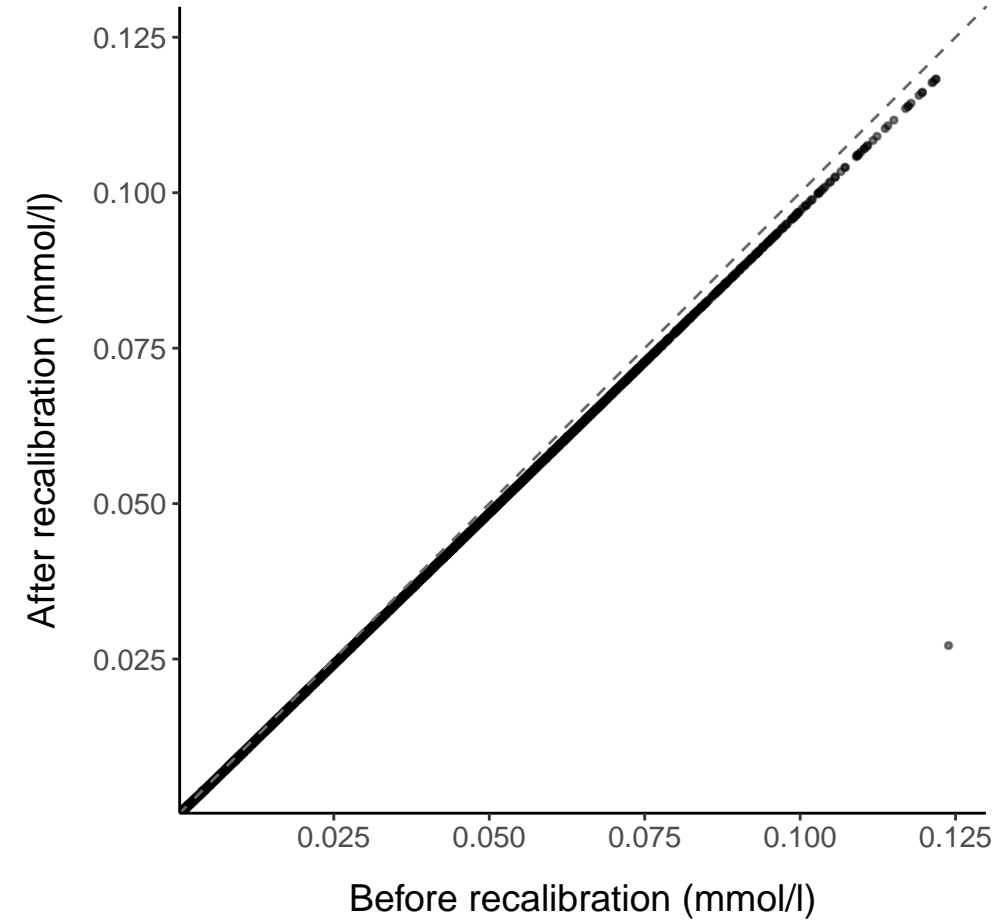
### XXL\_VLDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



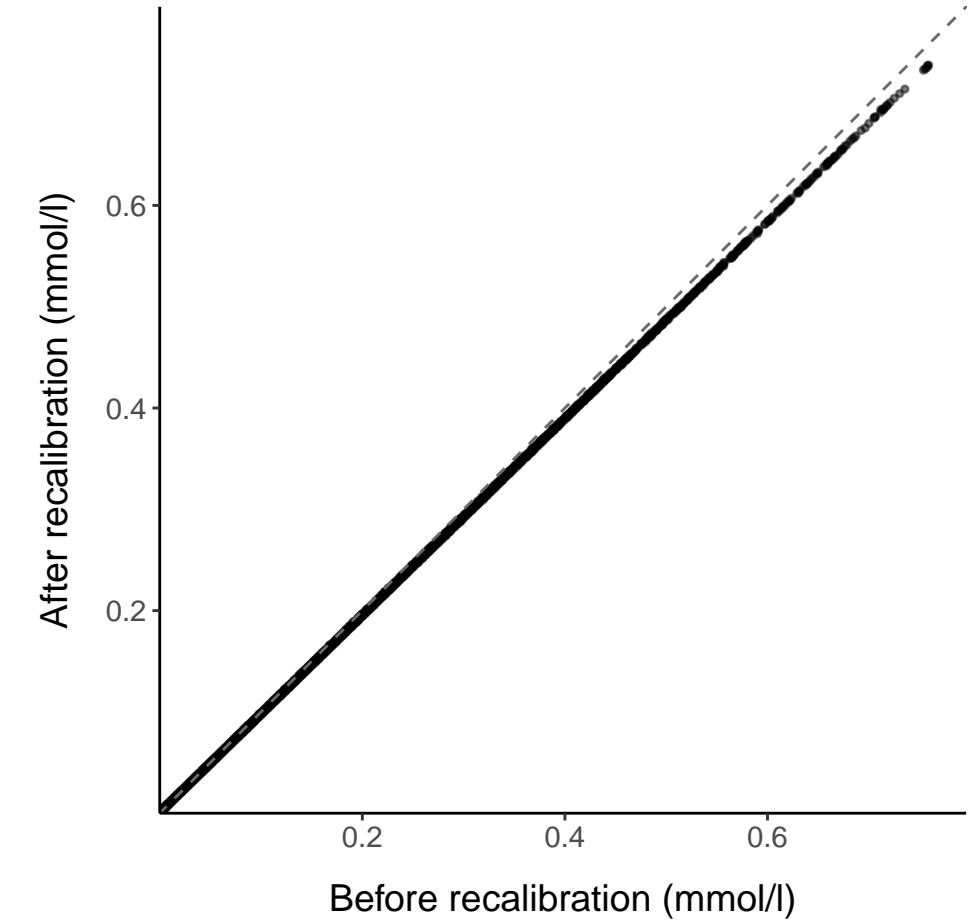
### XXL\_VLDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



### XXL\_VLDL\_TG

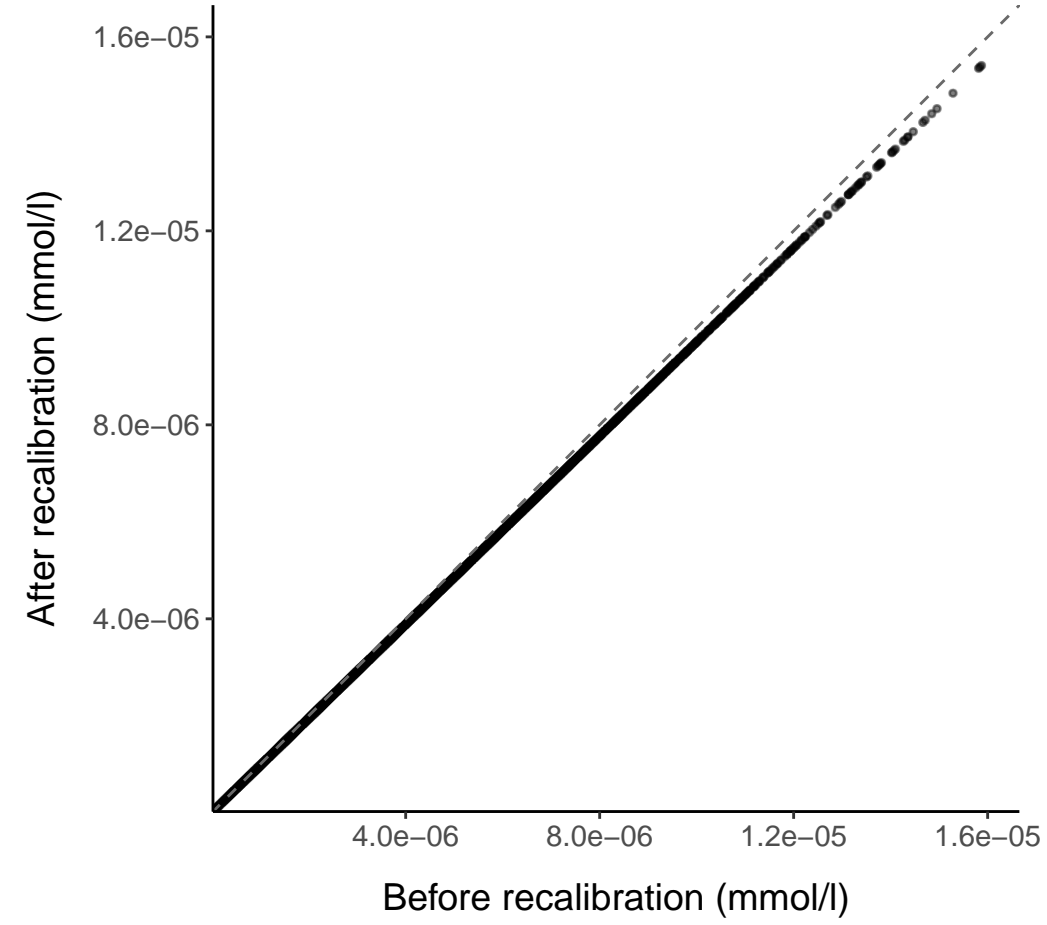
R: 1  
 $y = 0.00 + 0.97x$



# Very large VLDL (average diameter 64 nm)

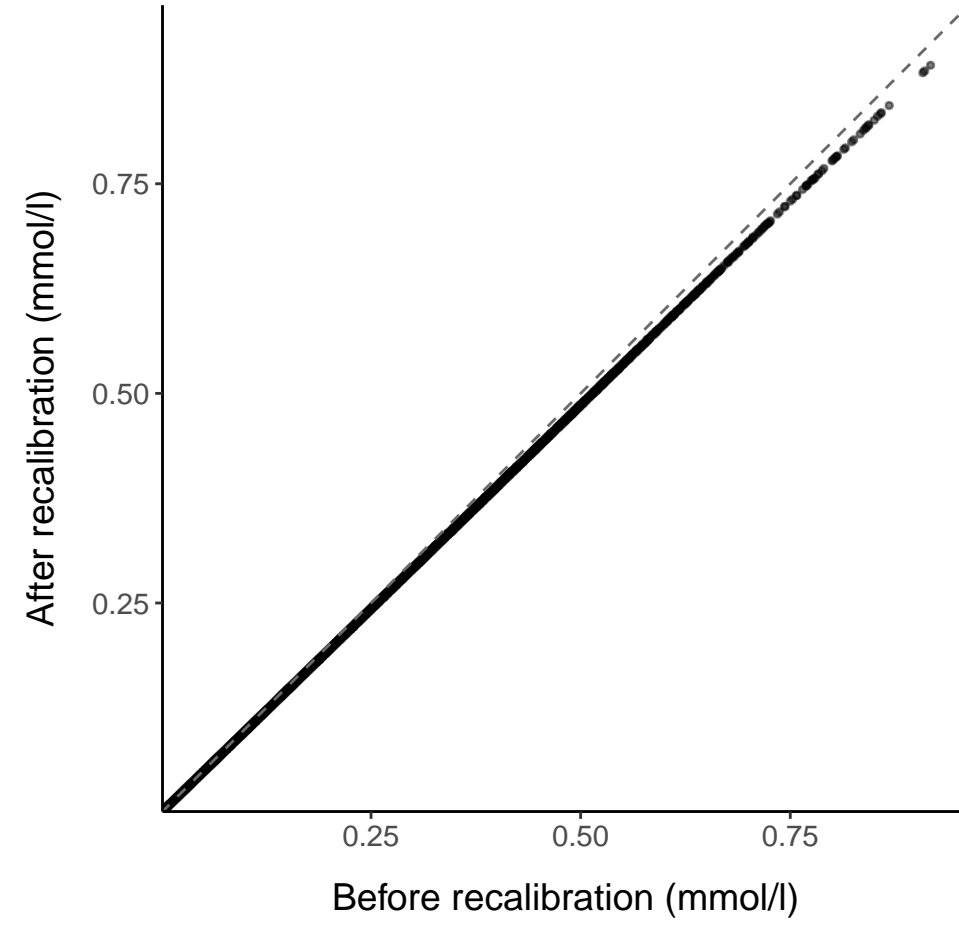
### XL\_VLDL\_P

R: 1  
 $y = -0.00 + 0.97x$



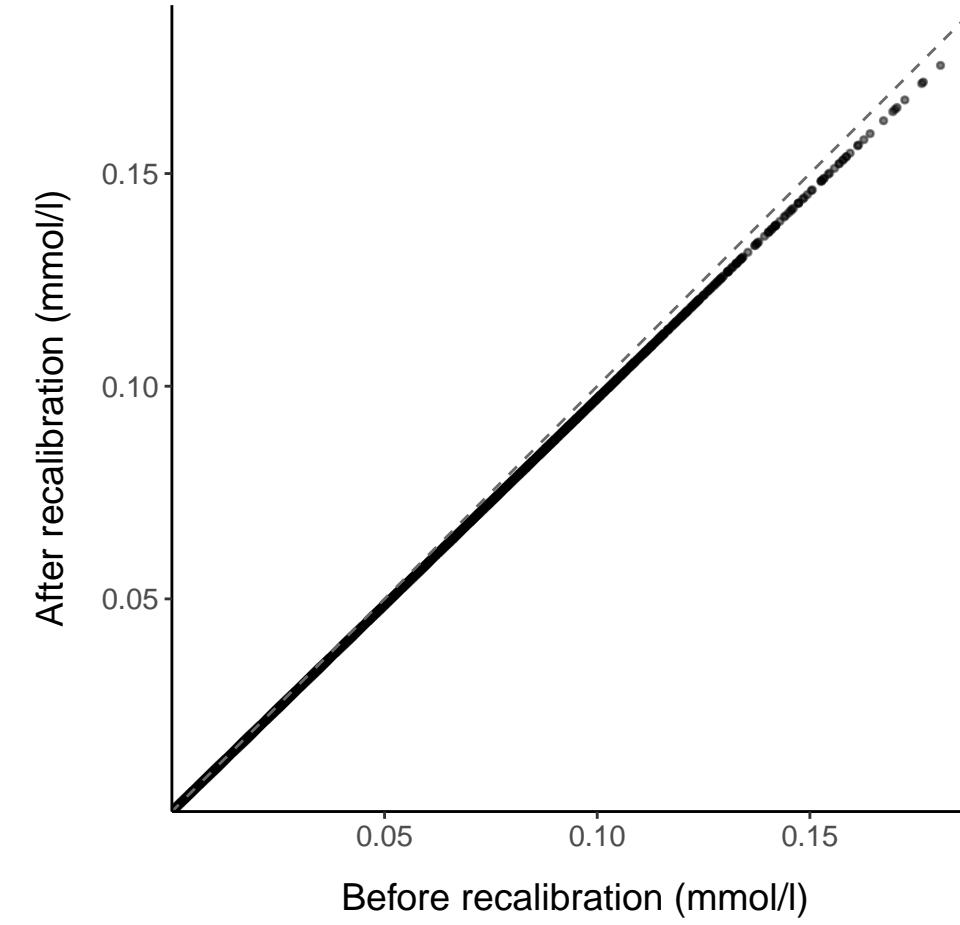
### XL\_VLDL\_L

R: 1  
 $y = 0.00 + 0.97x$



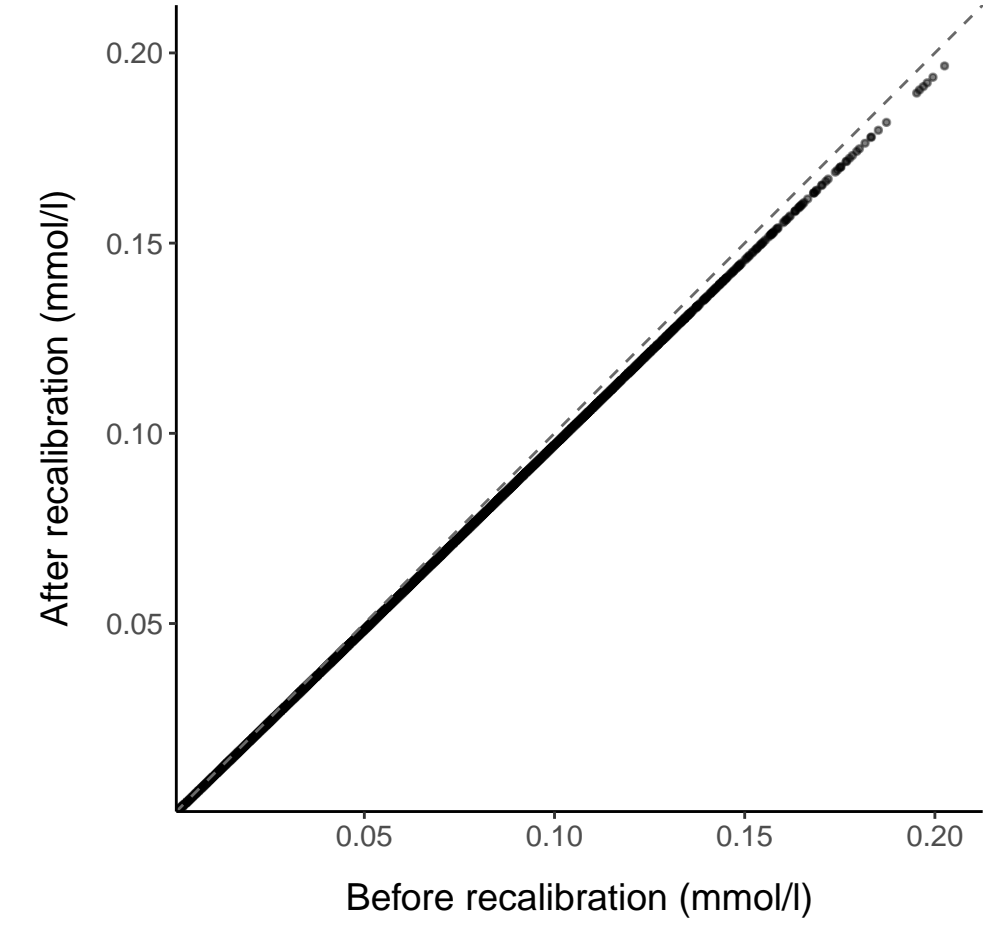
### XL\_VLDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



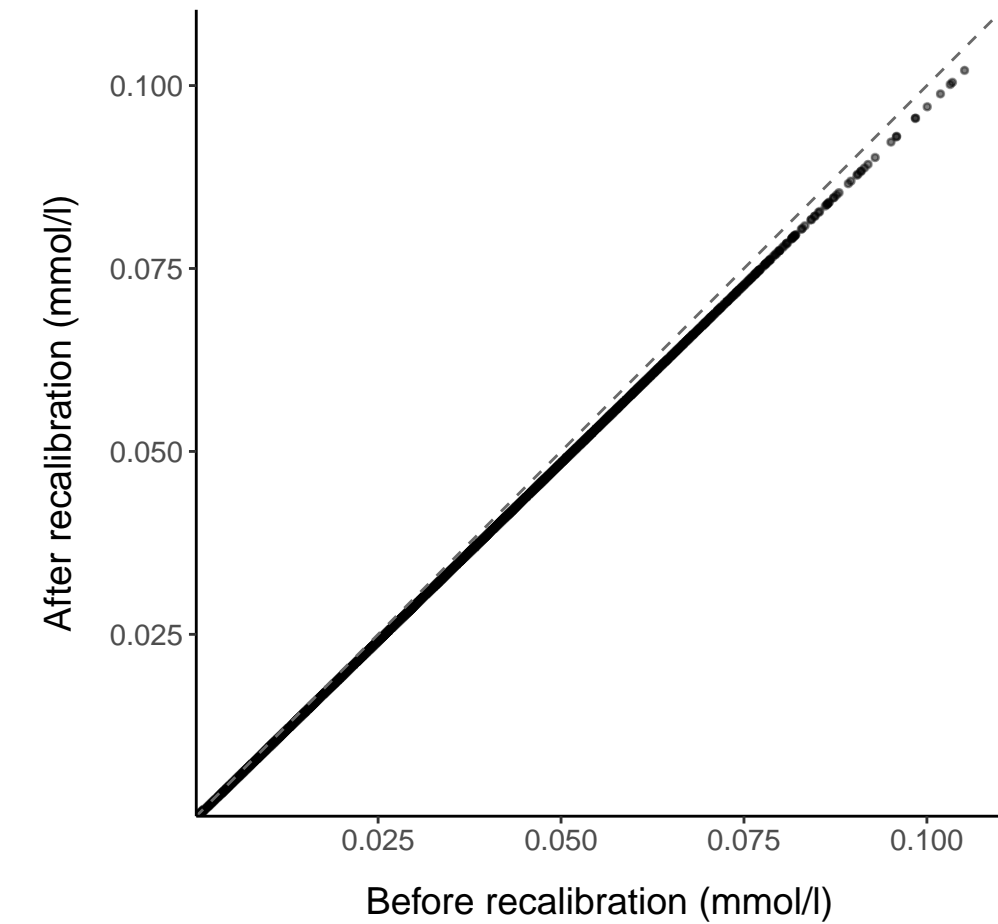
### XL\_VLDL\_C

R: 1  
 $y = -0.00 + 0.97x$



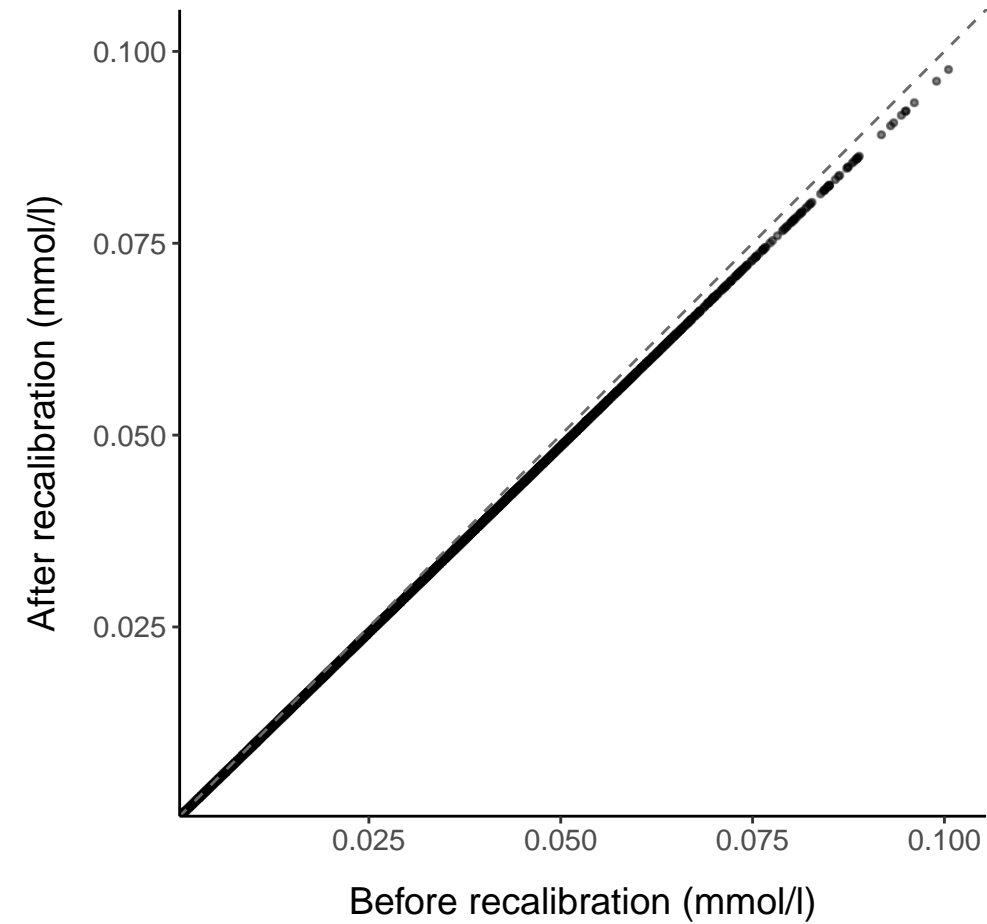
### XL\_VLDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



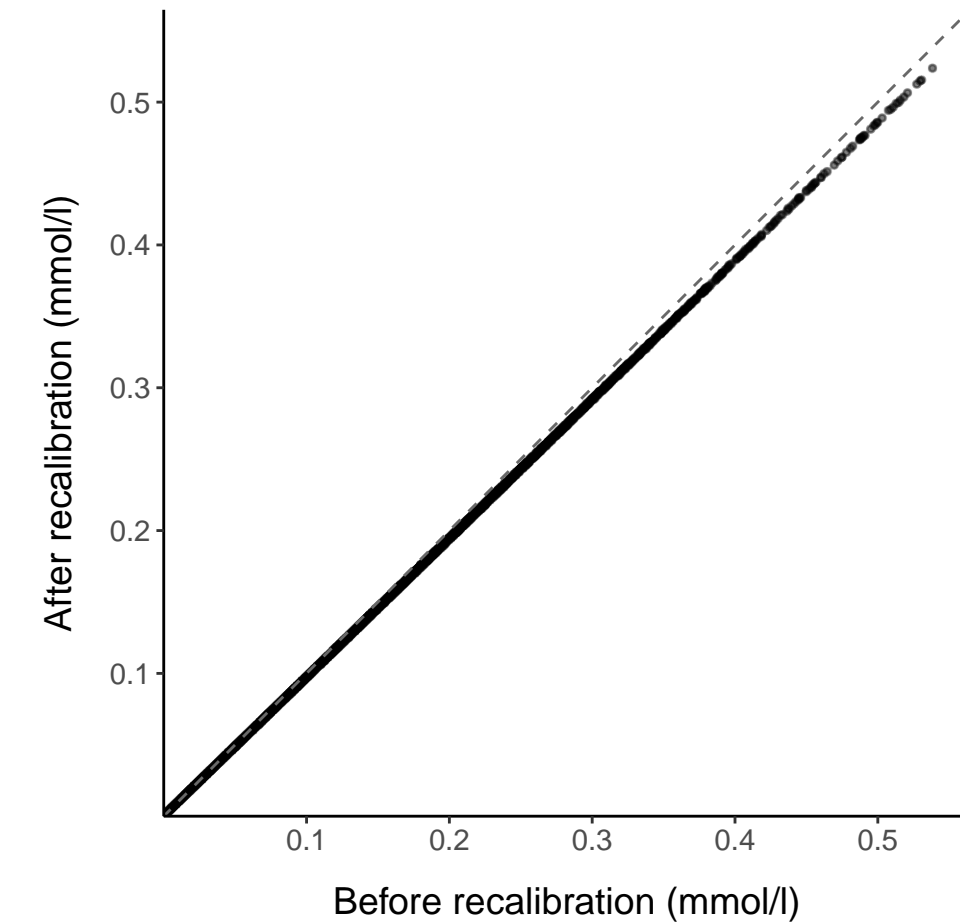
### XL\_VLDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



### XL\_VLDL\_TG

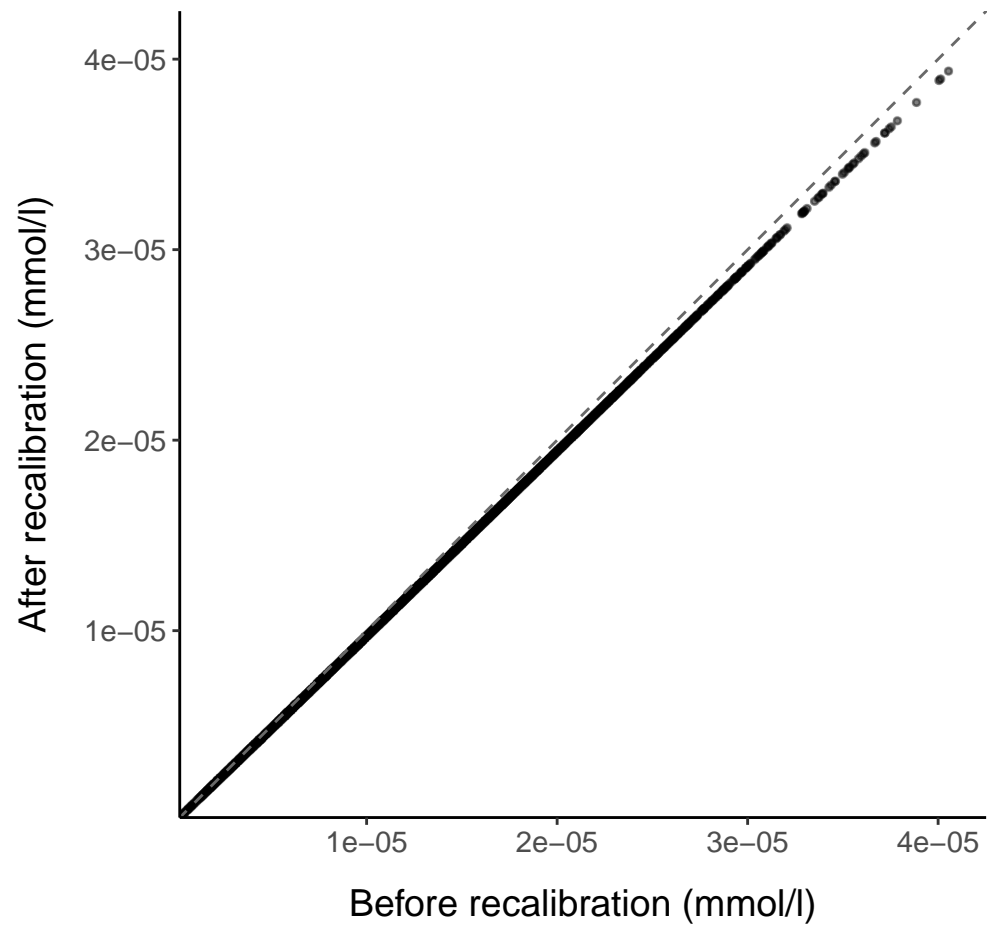
R: 1  
 $y = 0.00 + 0.97x$



# Large VLDL (average diameter 53.6 nm)

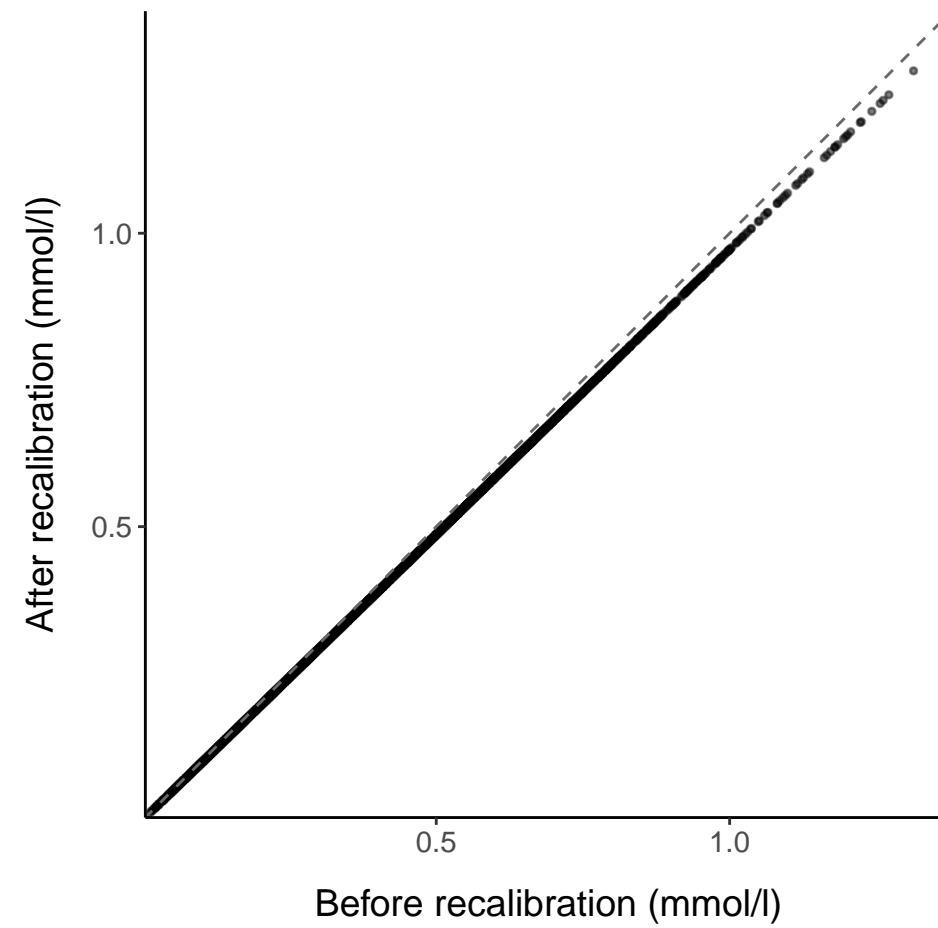
## L\_VLDL\_P

R: 1  
 $y = -0.00 + 0.97x$



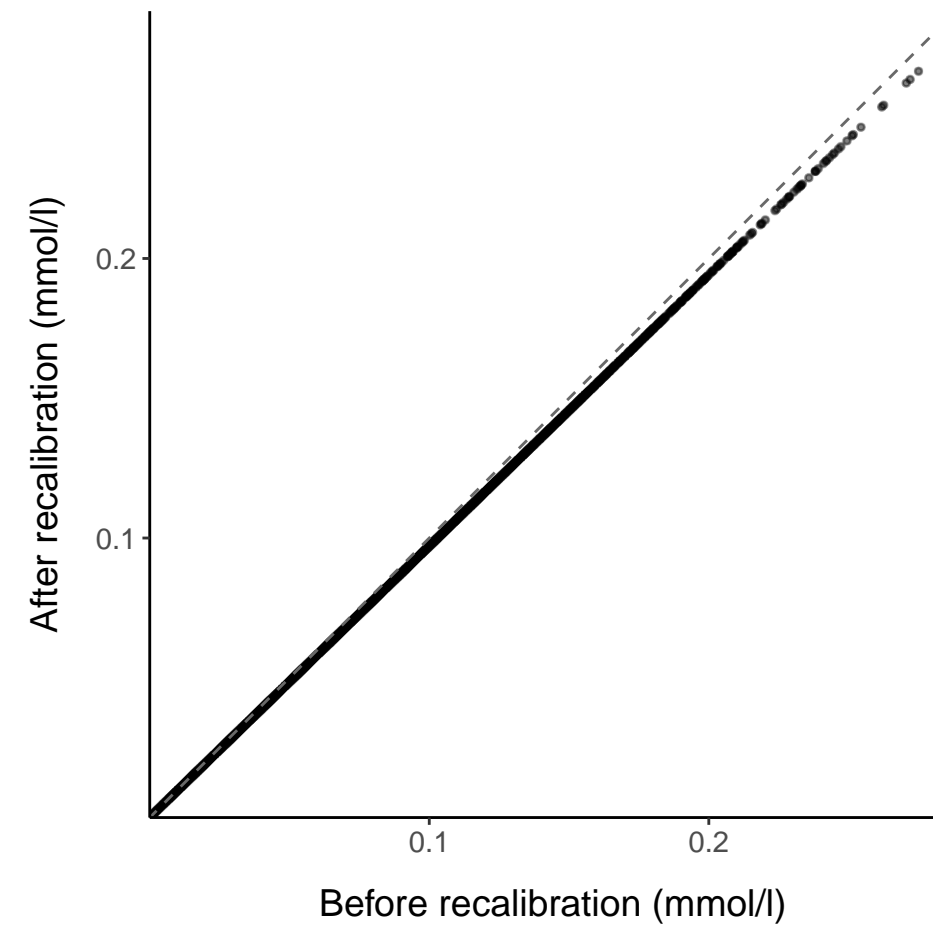
## L\_VLDL\_L

R: 1  
 $y = 0.00 + 0.97x$



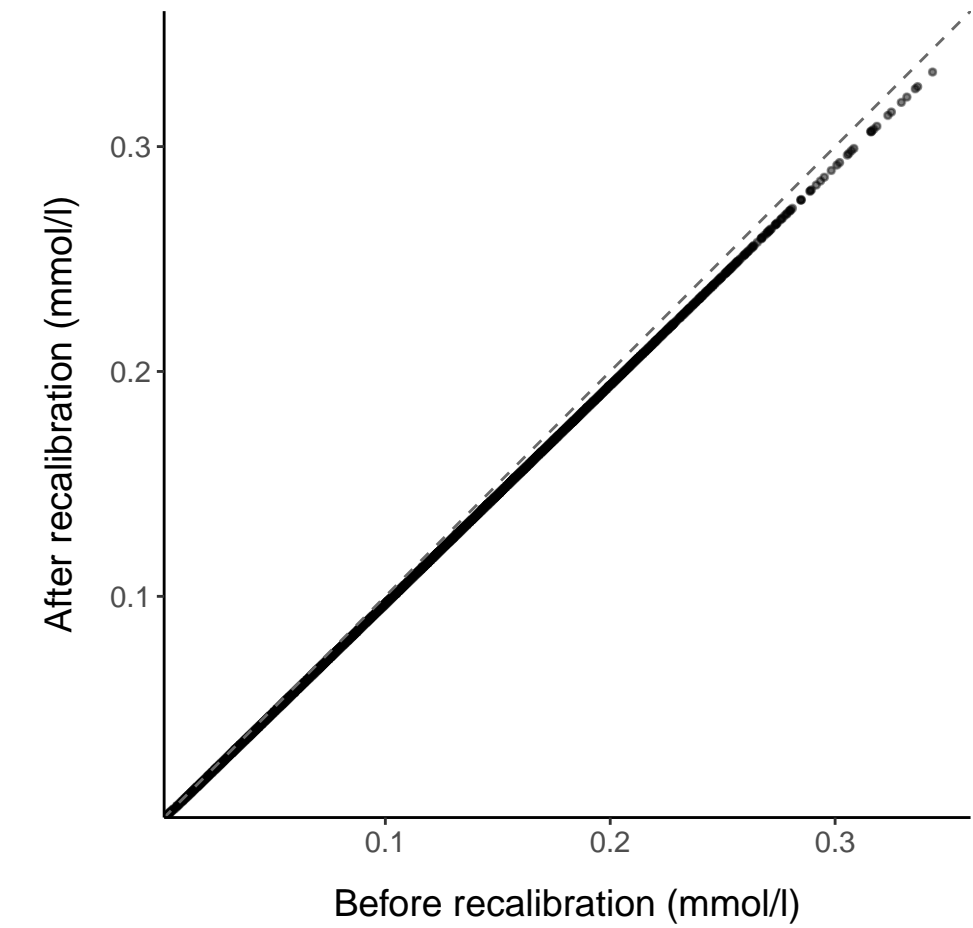
## L\_VLDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



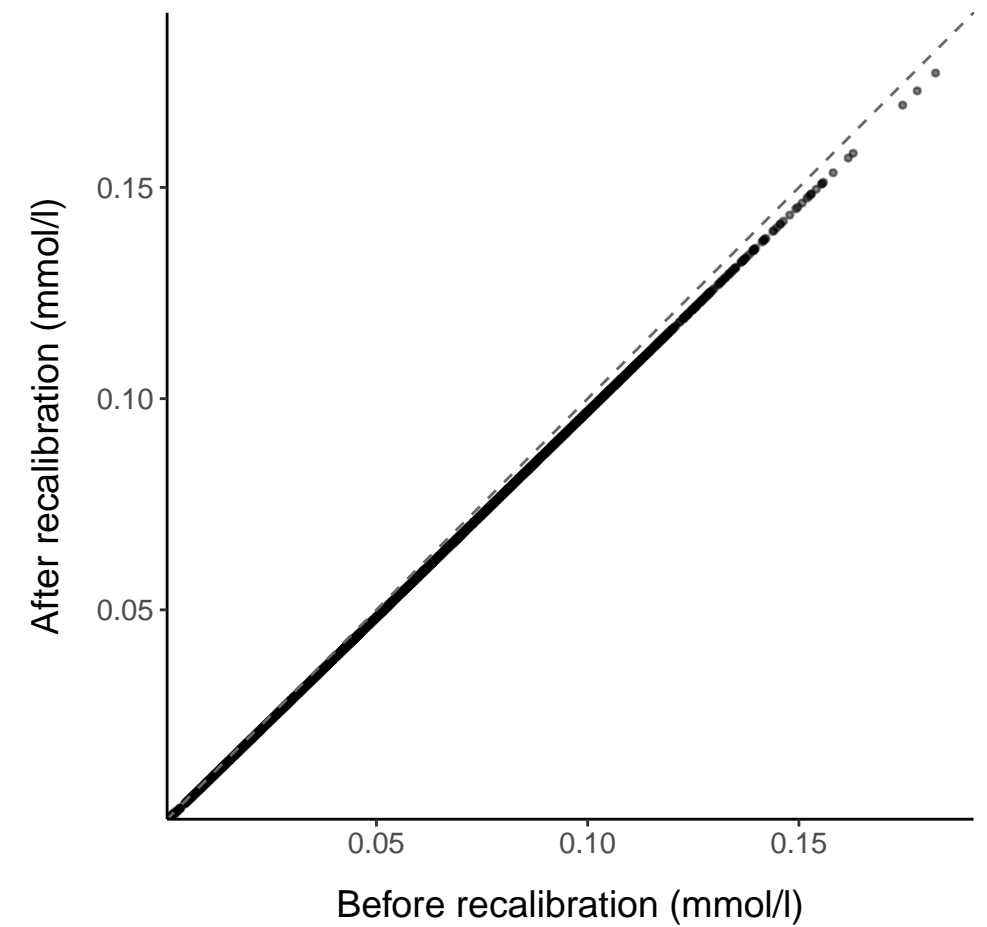
## L\_VLDL\_C

R: 1  
 $y = -0.00 + 0.97x$



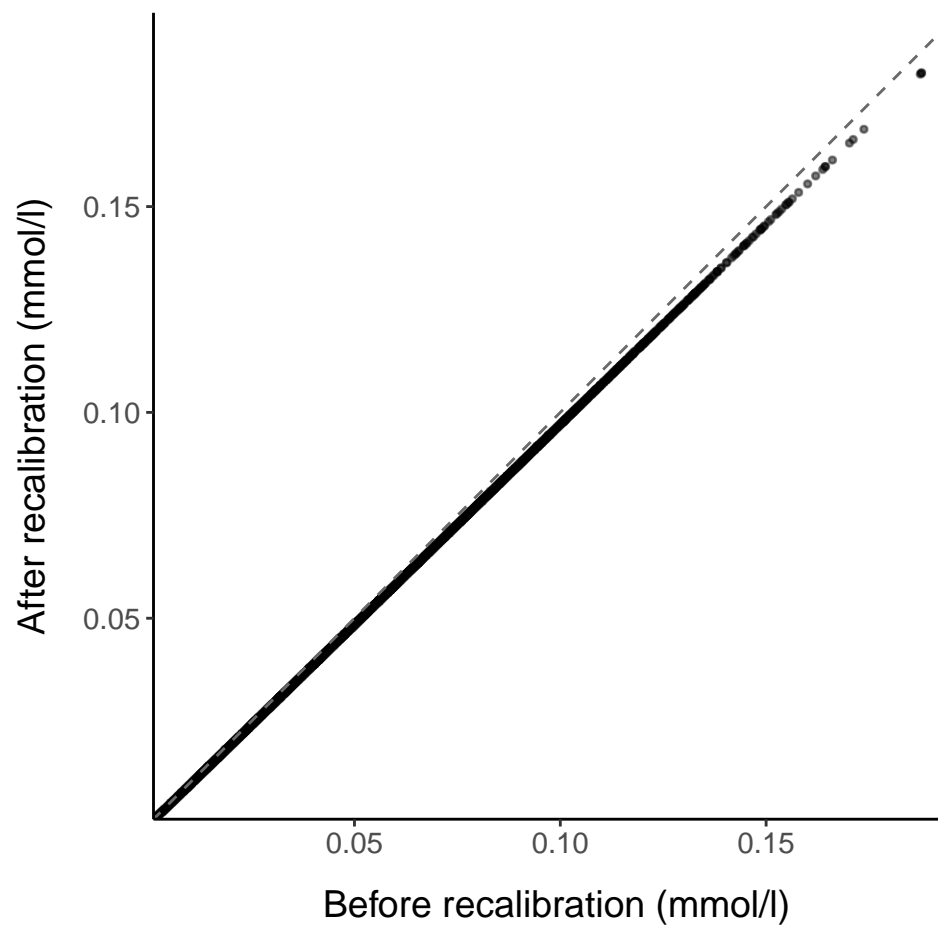
## L\_VLDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



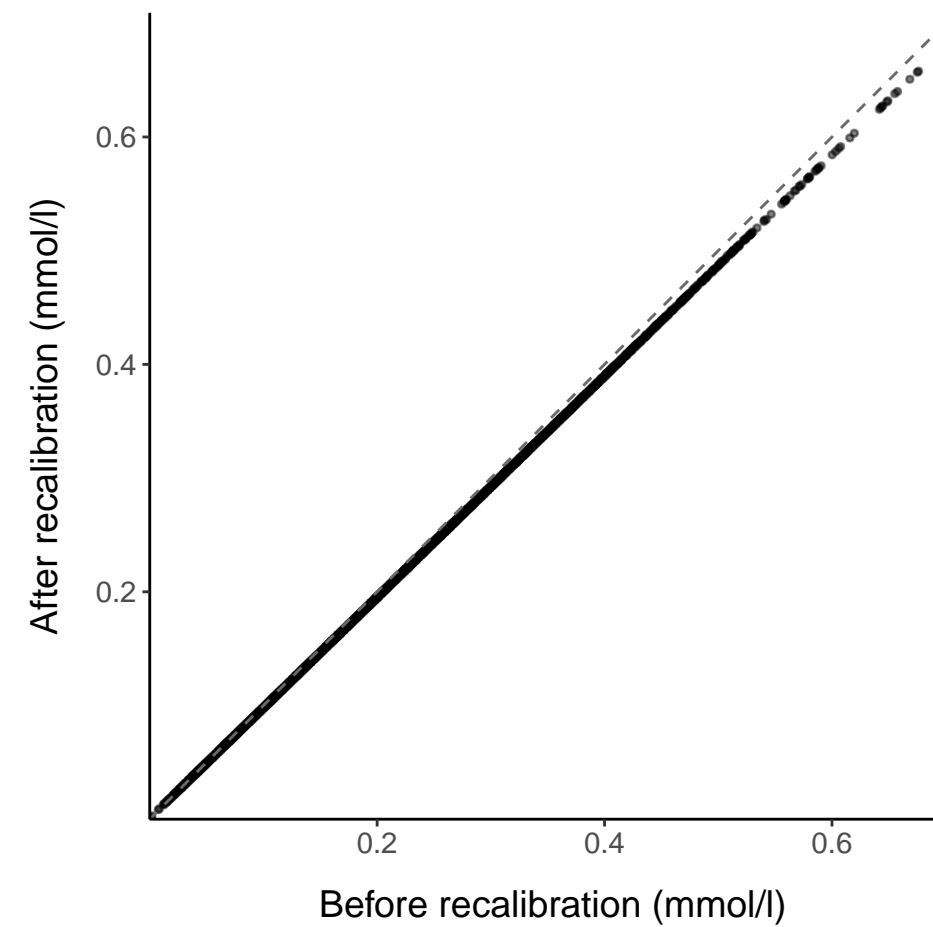
## L\_VLDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



## L\_VLDL\_TG

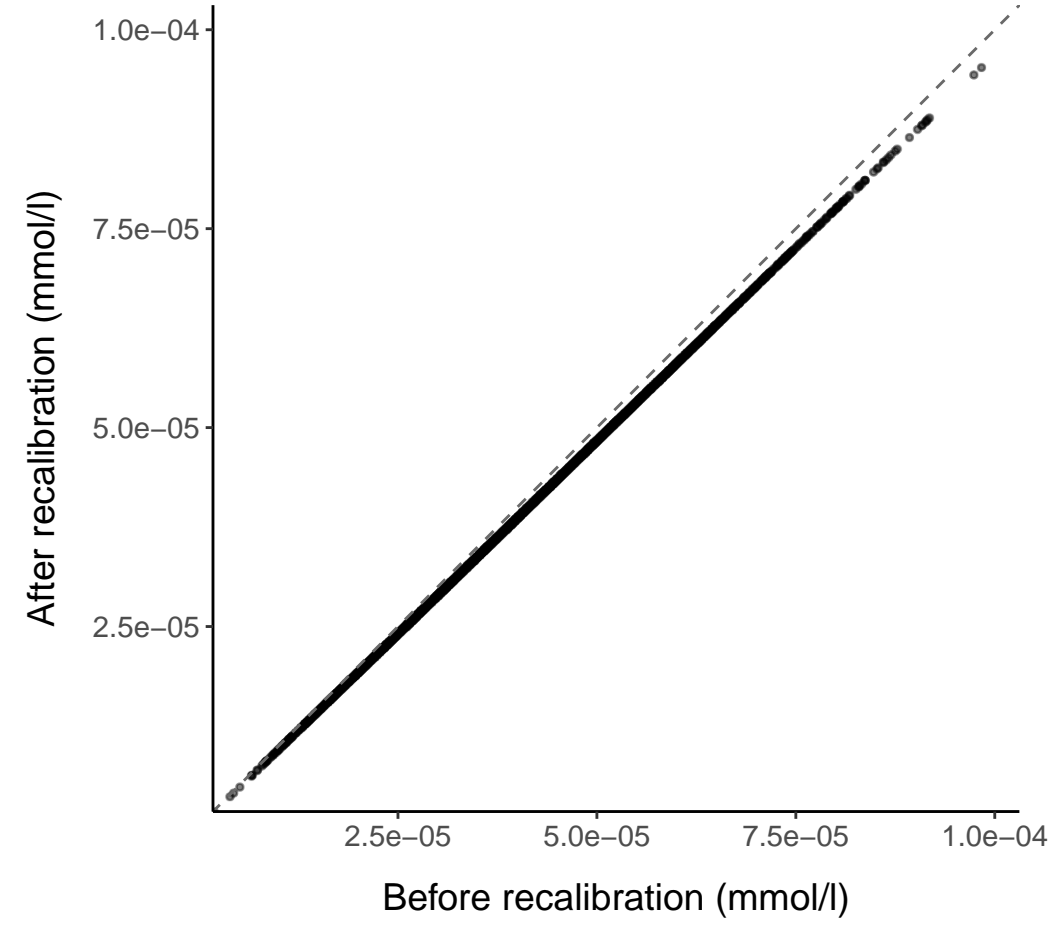
R: 1  
 $y = 0.00 + 0.97x$



# Medium VLDL (average diameter 44.5 nm)

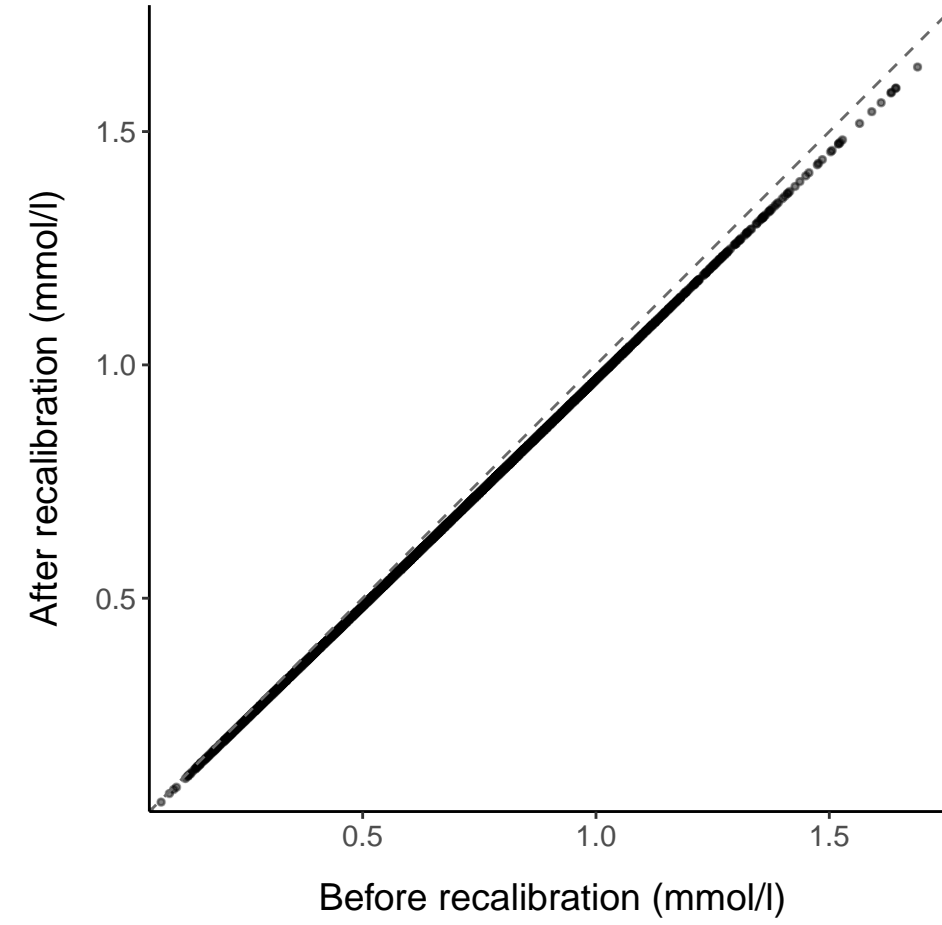
### M\_VLDL\_P

R: 1  
 $y = -0.00 + 0.97x$



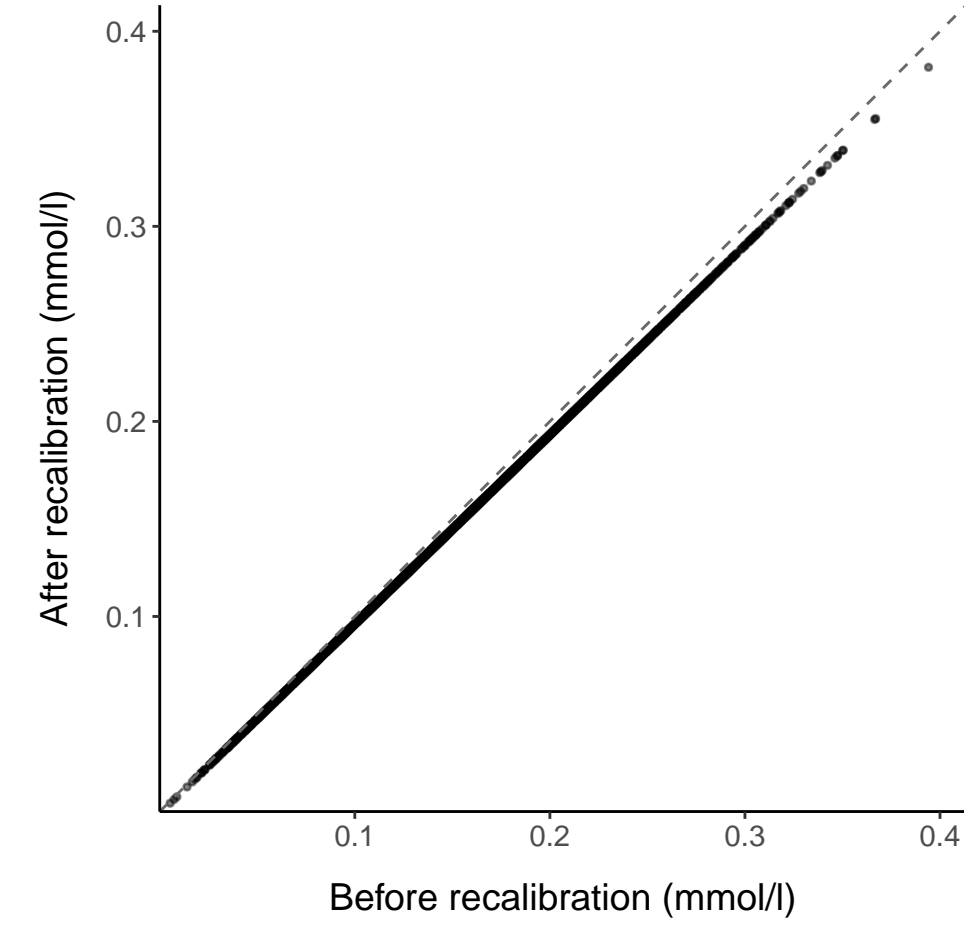
### M\_VLDL\_L

R: 1  
 $y = -0.00 + 0.97x$



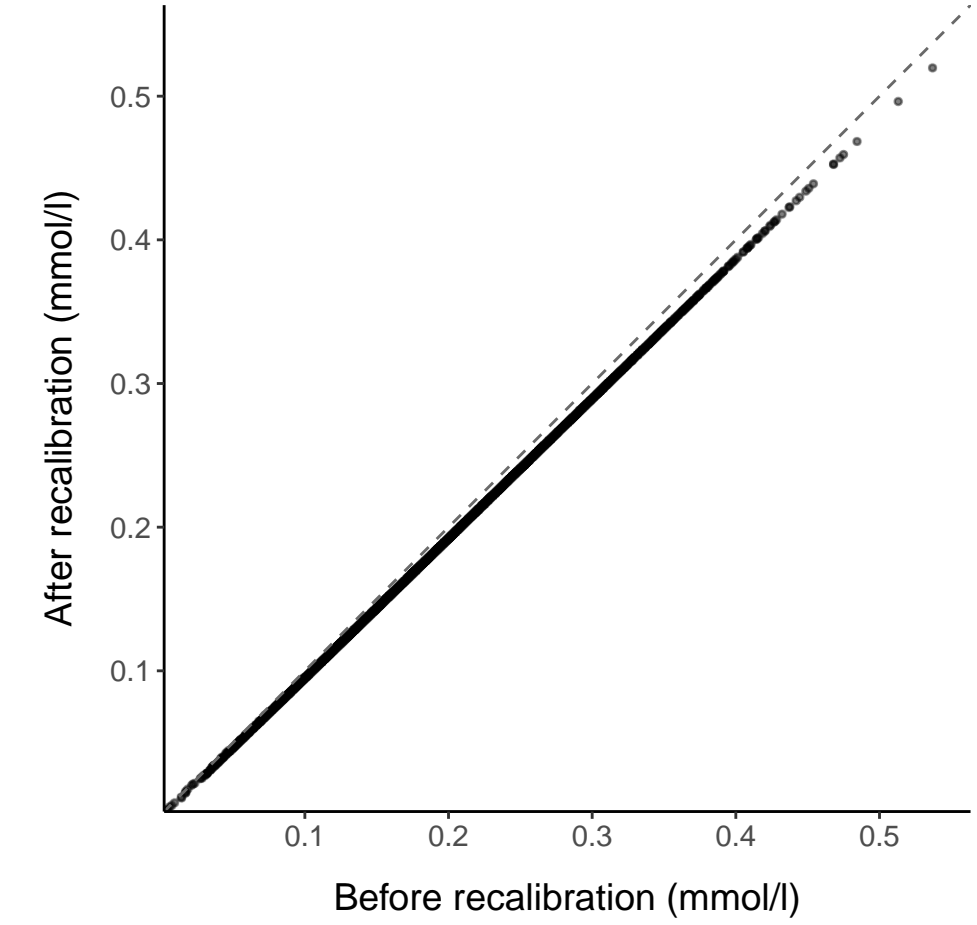
### M\_VLDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



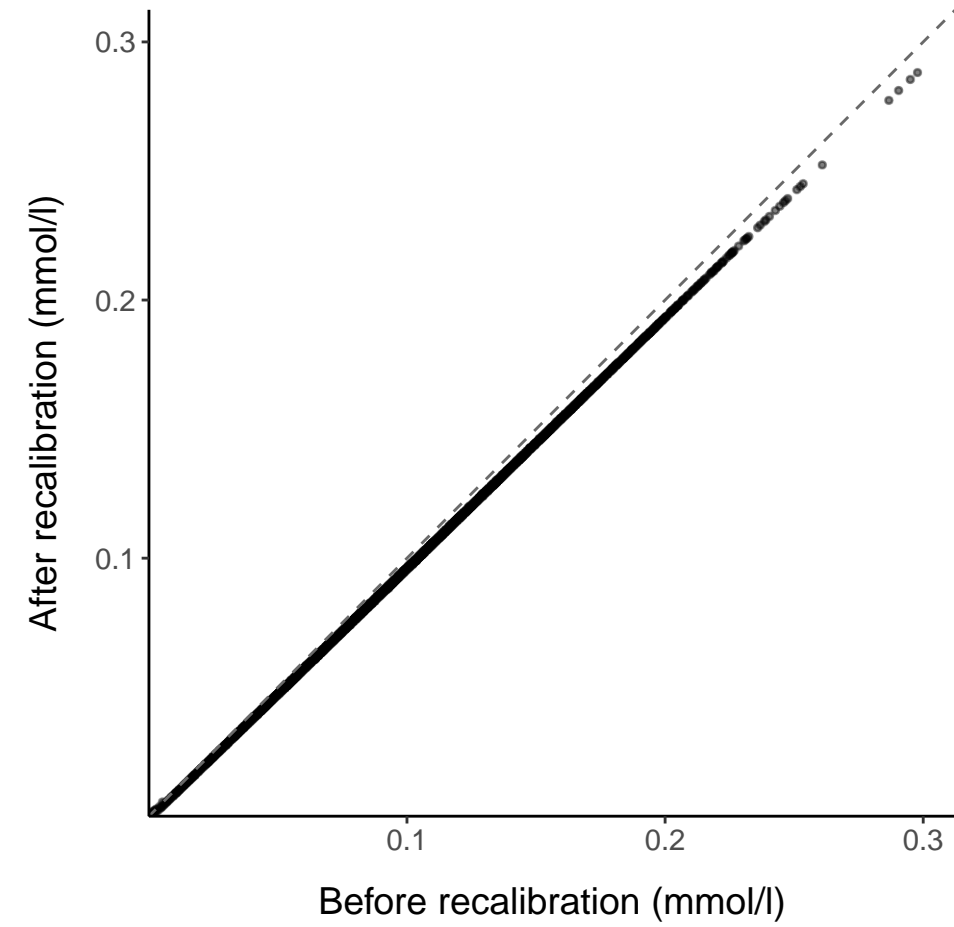
### M\_VLDL\_C

R: 1  
 $y = -0.00 + 0.97x$



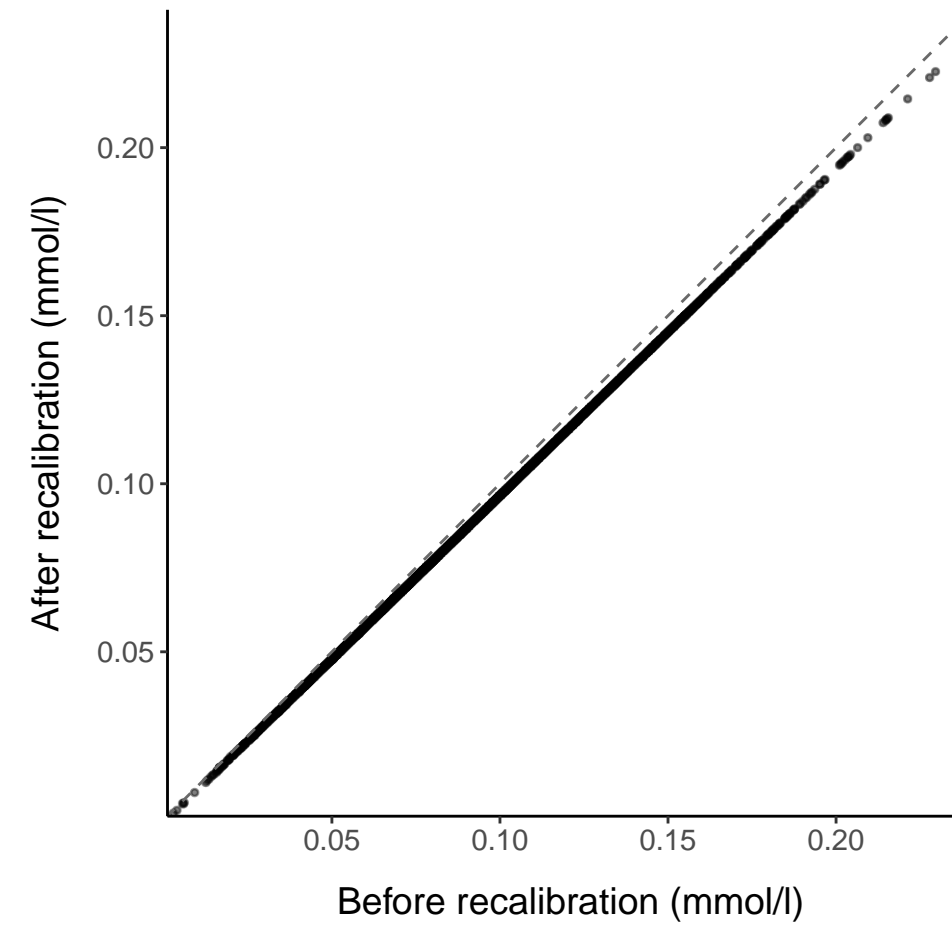
### M\_VLDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



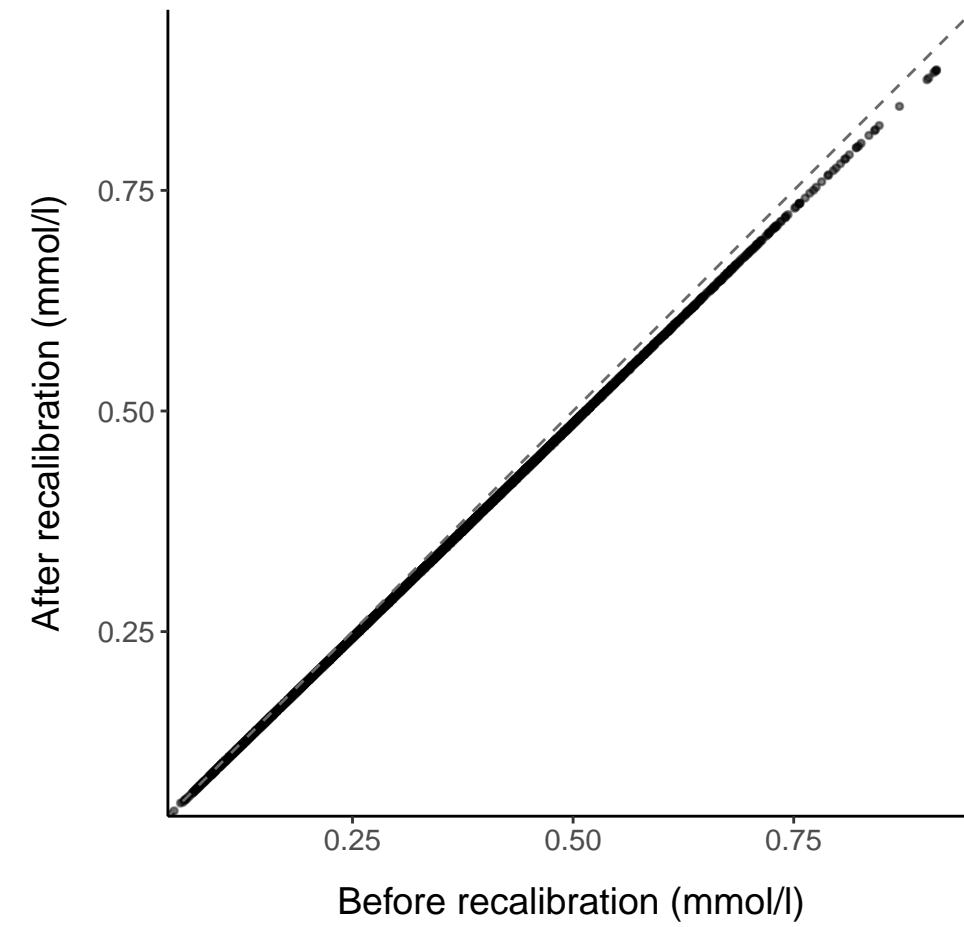
### M\_VLDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



### M\_VLDL\_TG

R: 1  
 $y = 0.00 + 0.97x$

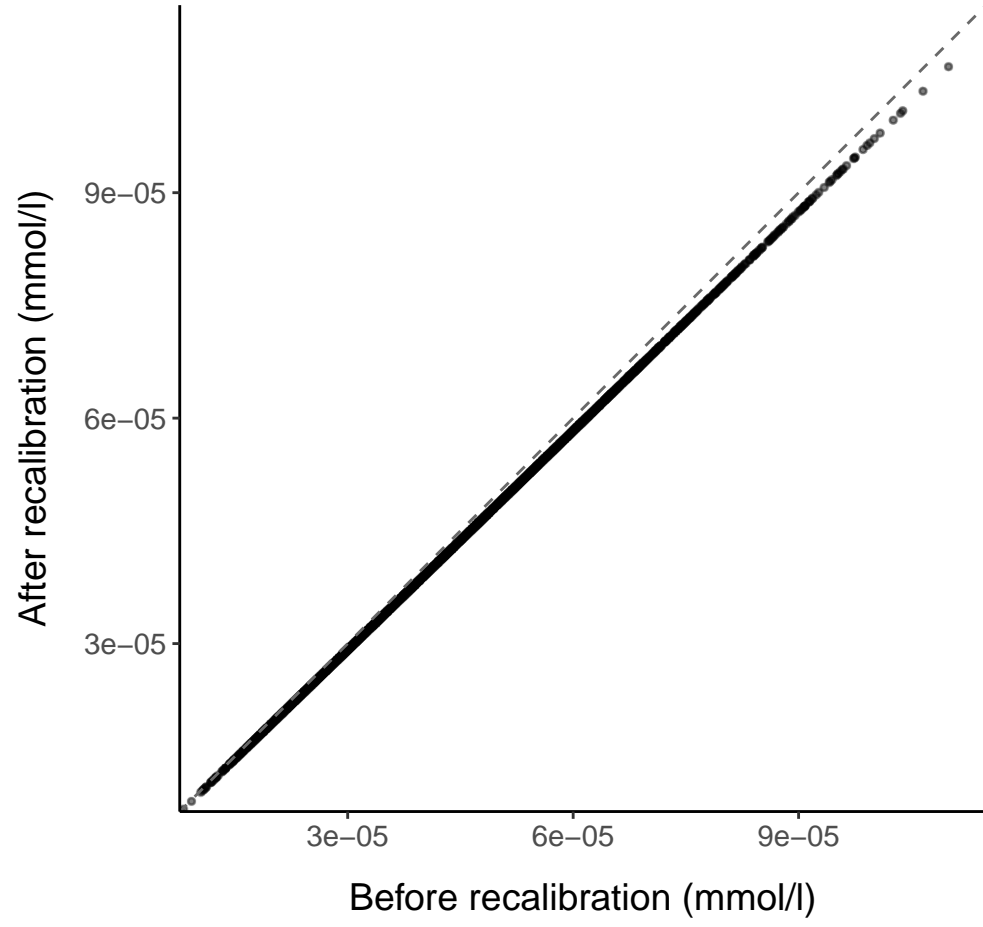




# Small VLDL (average diameter 36.8 nm)

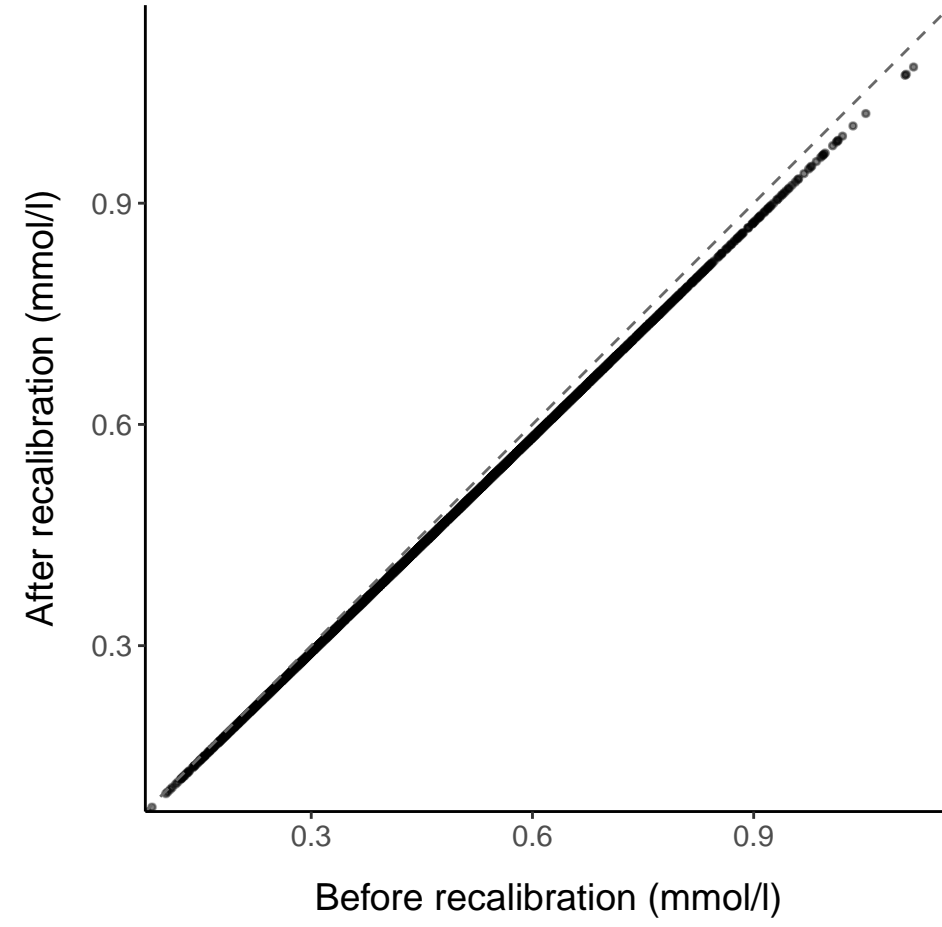
## S\_VLDL\_P

R: 1  
 $y = 0.00 + 0.97x$



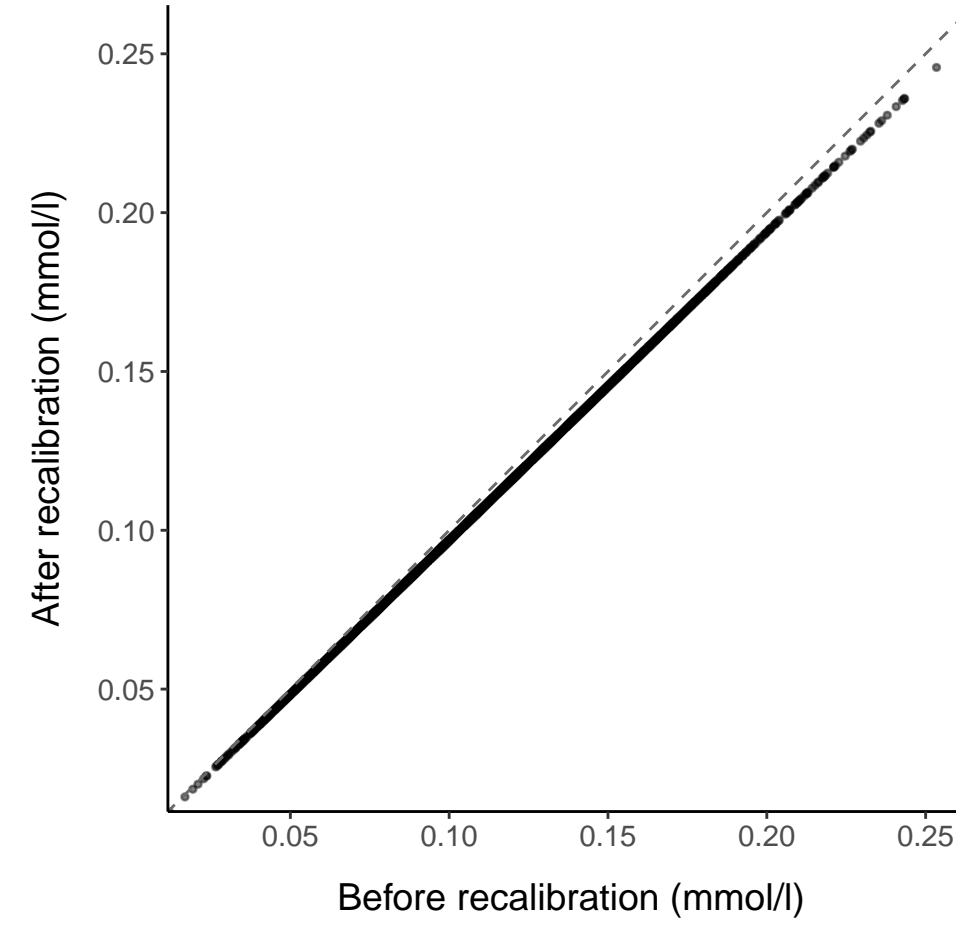
## S\_VLDL\_L

R: 1  
 $y = -0.00 + 0.97x$



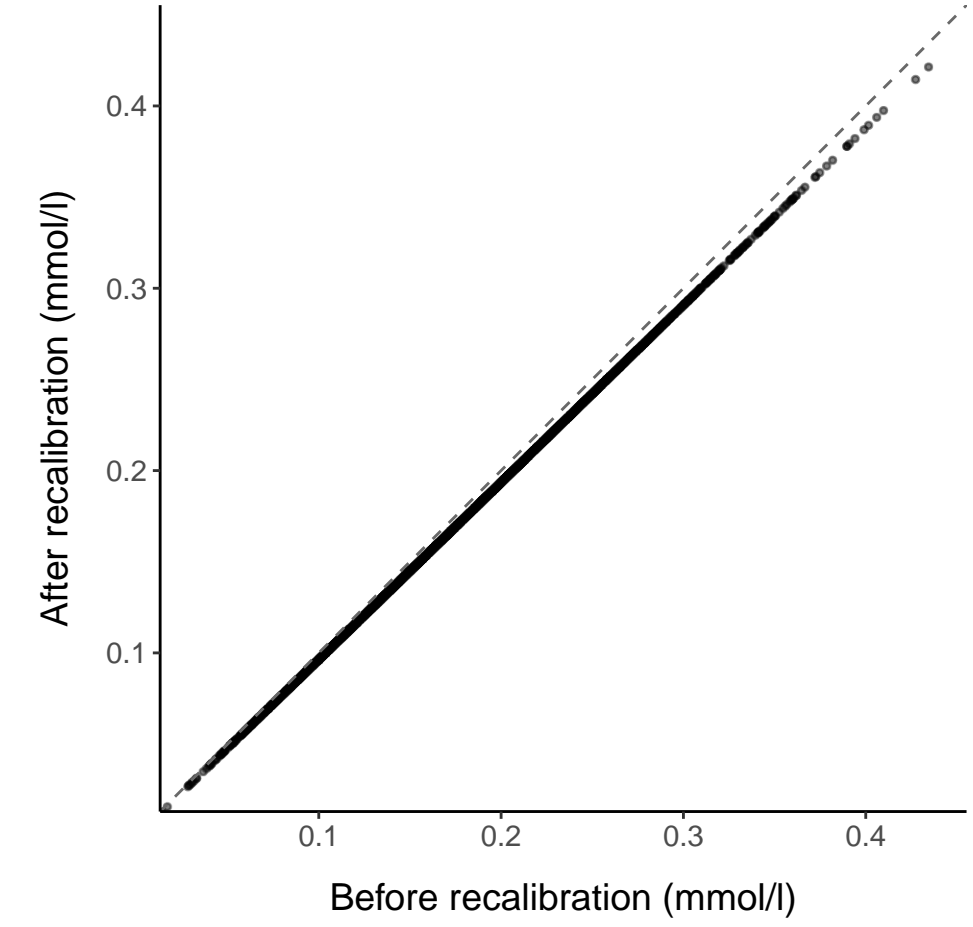
## S\_VLDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



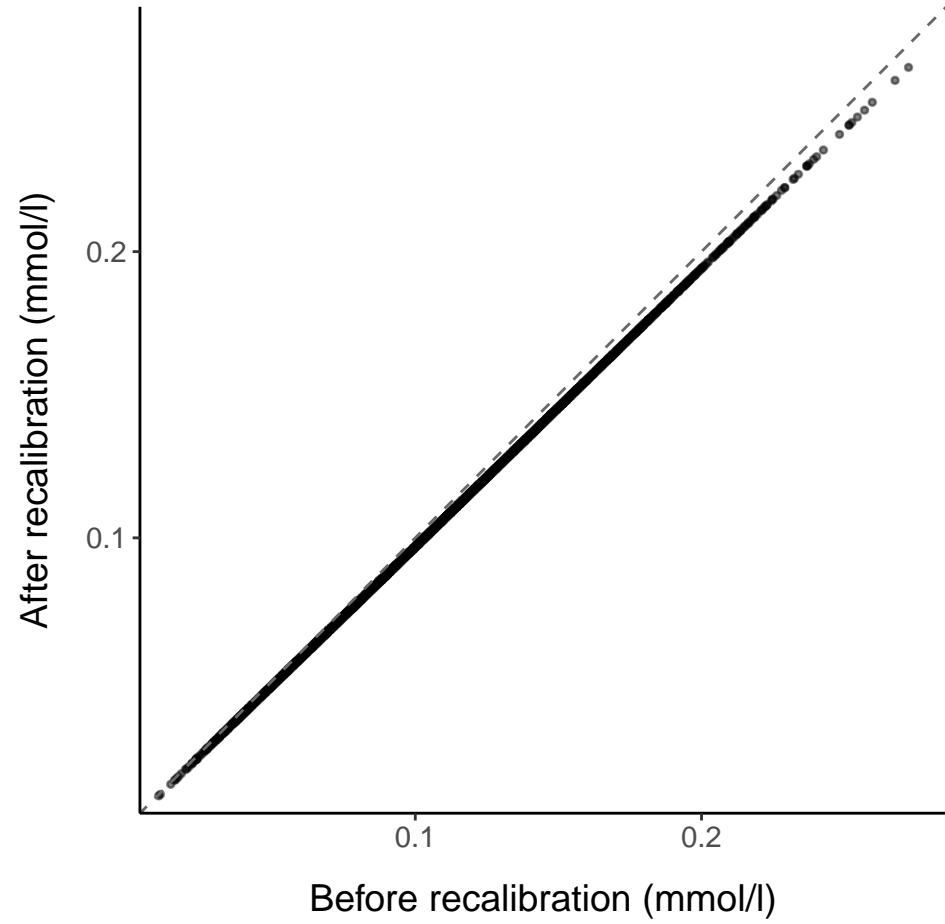
## S\_VLDL\_C

R: 1  
 $y = -0.00 + 0.97x$



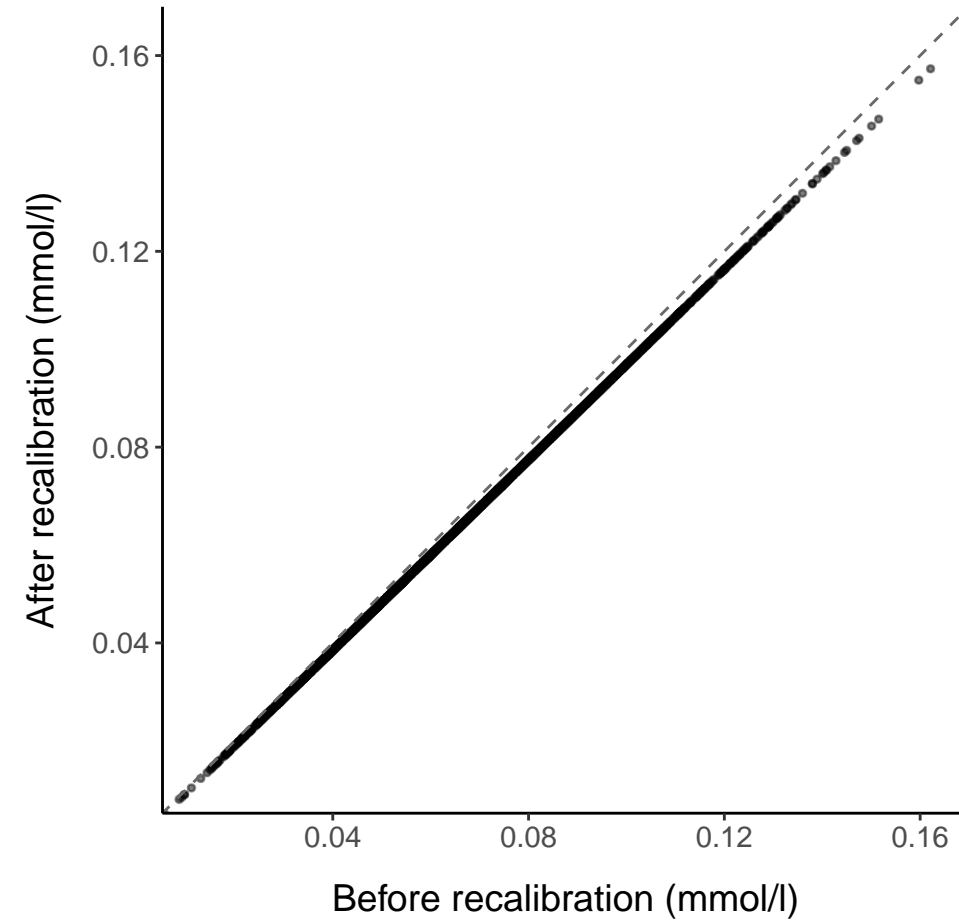
## S\_VLDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



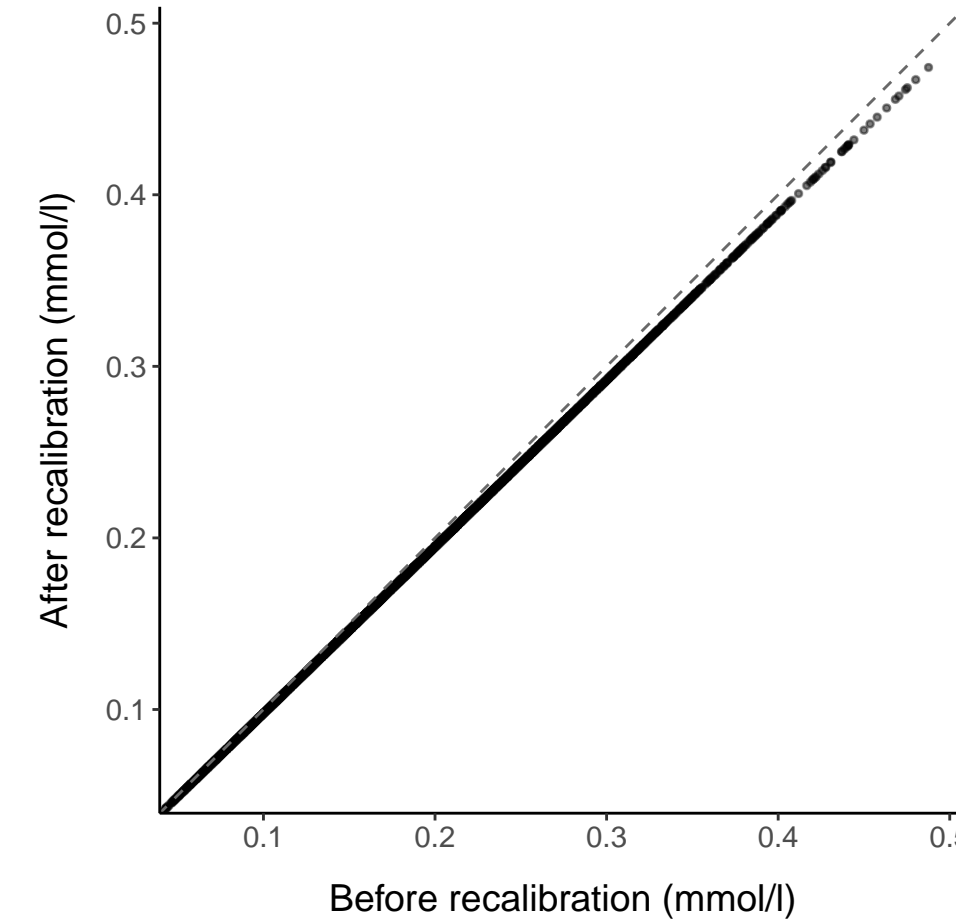
## S\_VLDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



## S\_VLDL\_TG

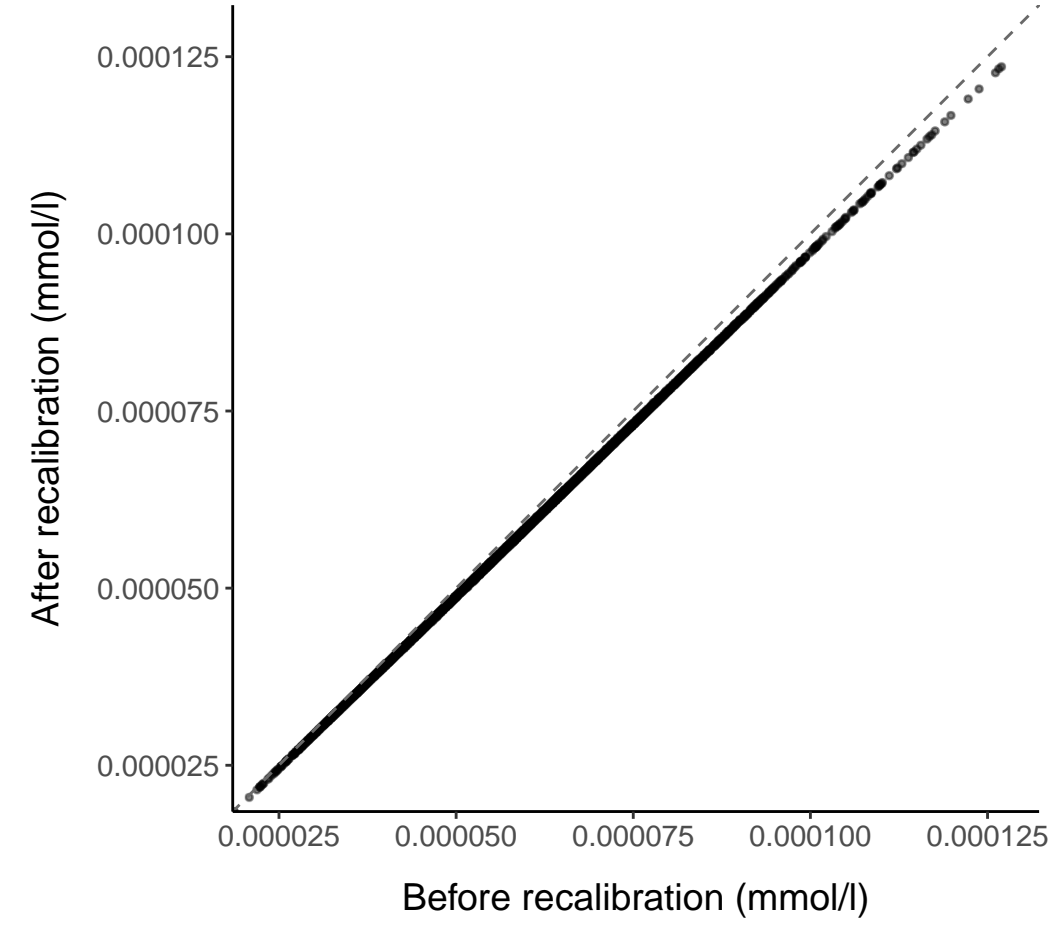
R: 1  
 $y = 0.00 + 0.97x$



# Very small VLDL (average diameter 31.3 nm)

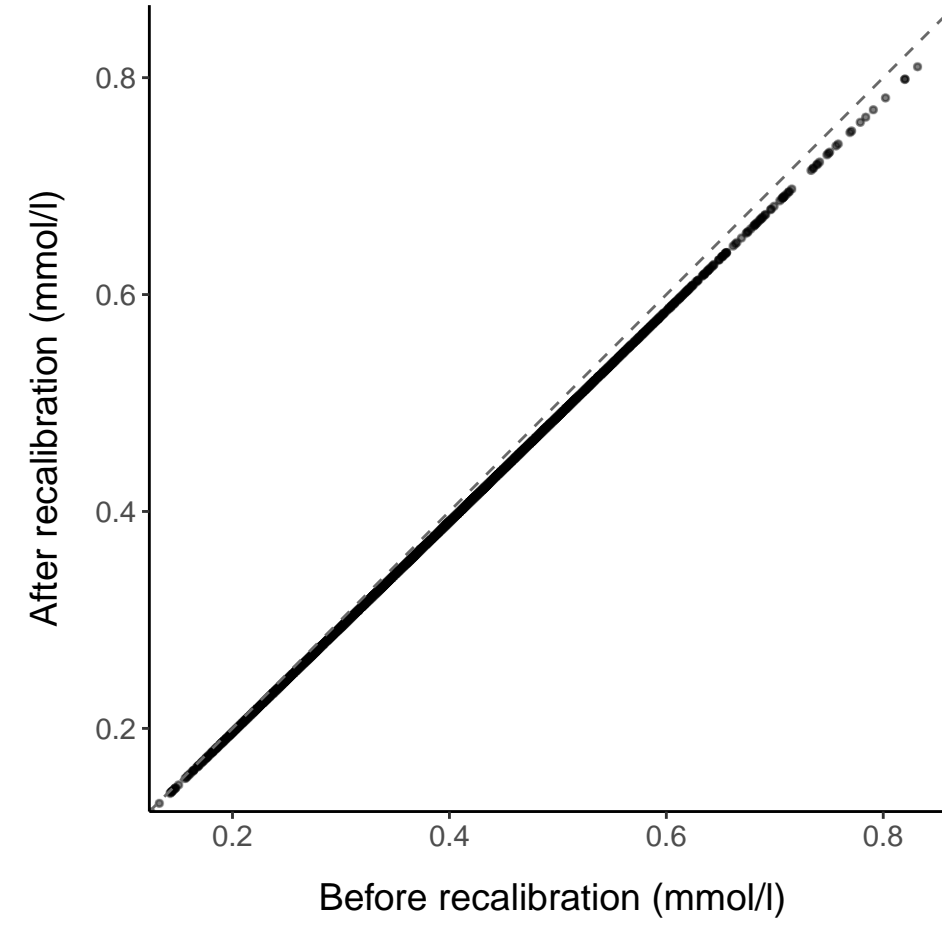
### XS\_VLDL\_P

R: 1  
 $y = 0.00 + 0.97x$



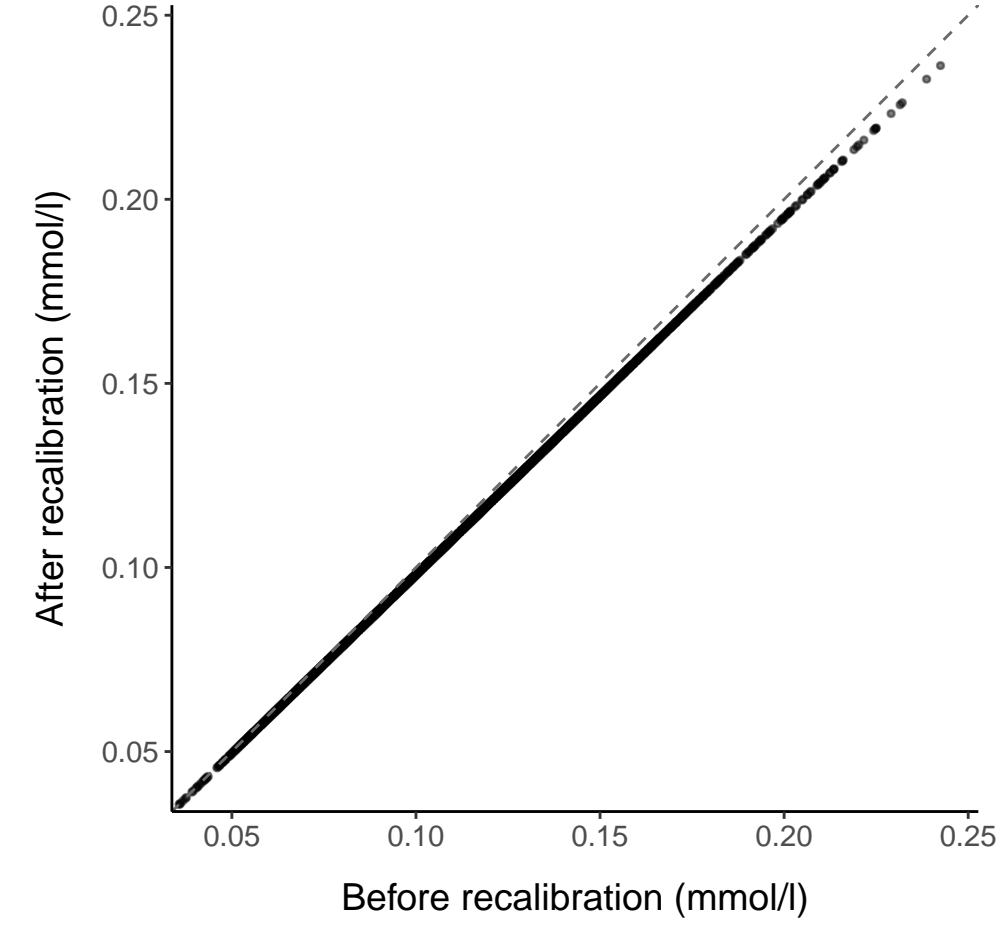
### XS\_VLDL\_L

R: 1  
 $y = 0.00 + 0.97x$



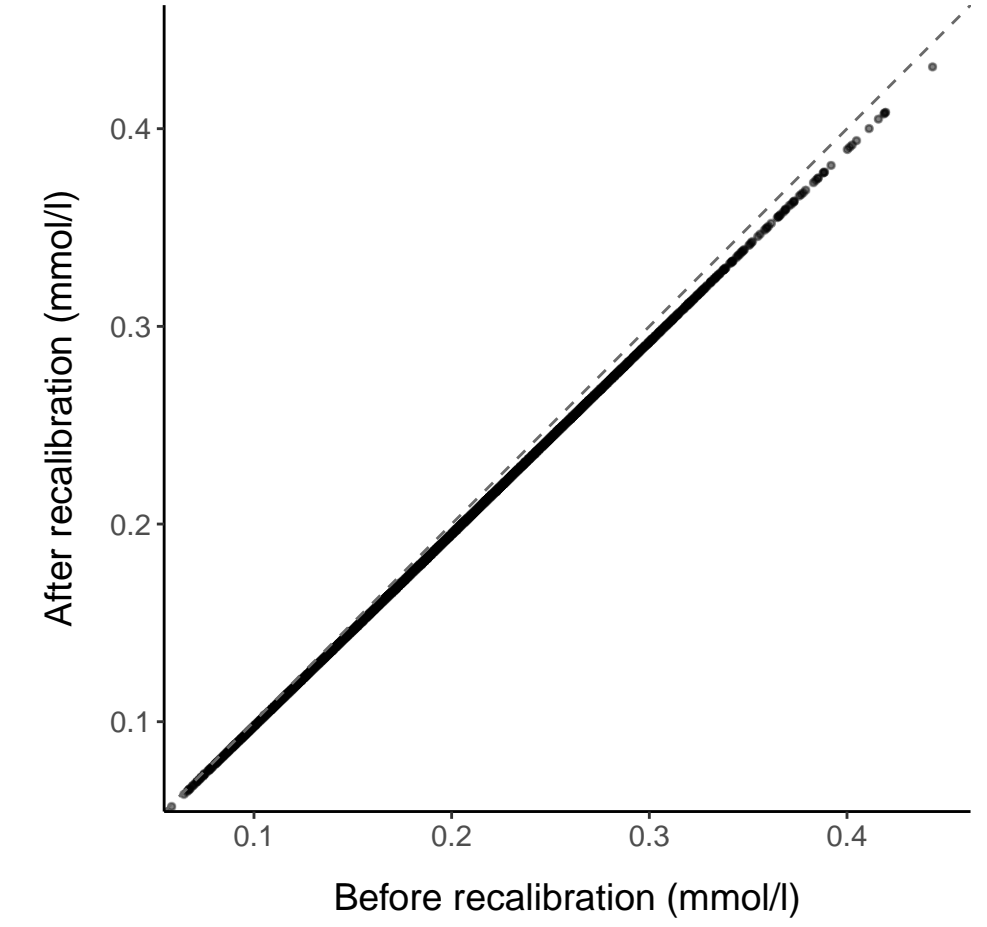
### XS\_VLDL\_PL

R: 1  
 $y = 0.00 + 0.97x$



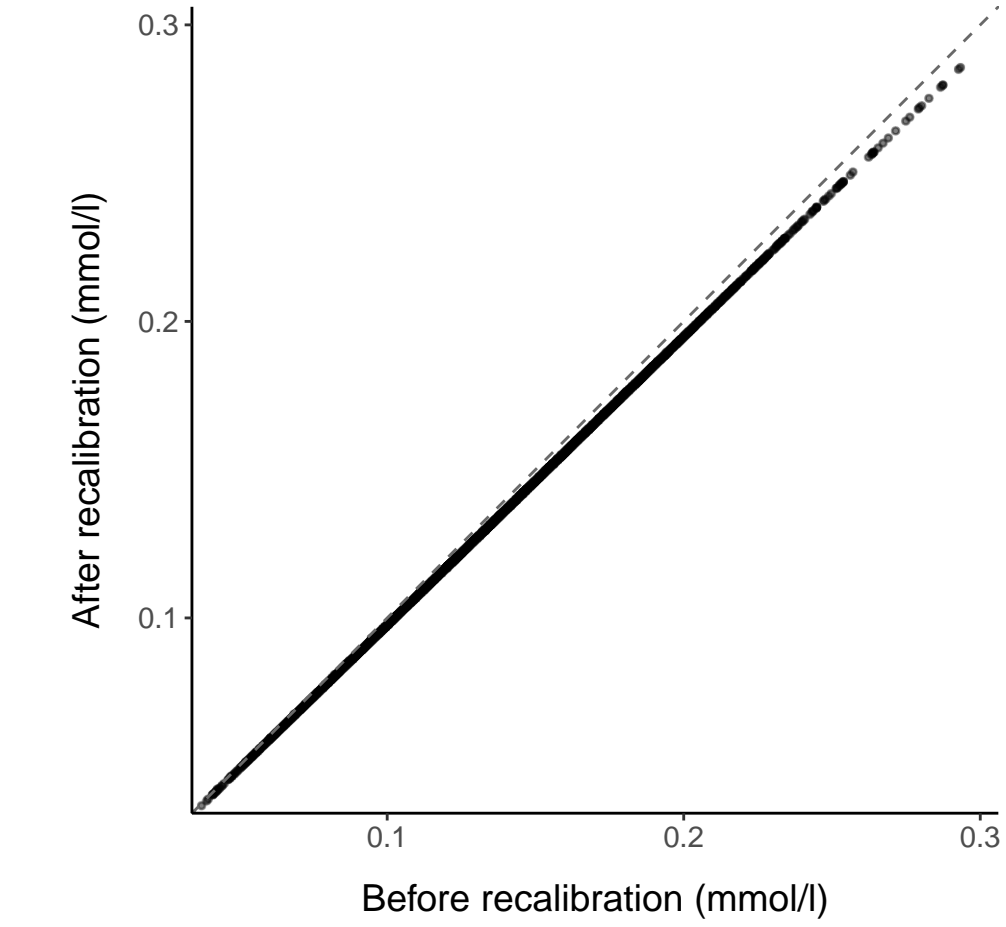
### XS\_VLDL\_C

R: 1  
 $y = 0.00 + 0.97x$



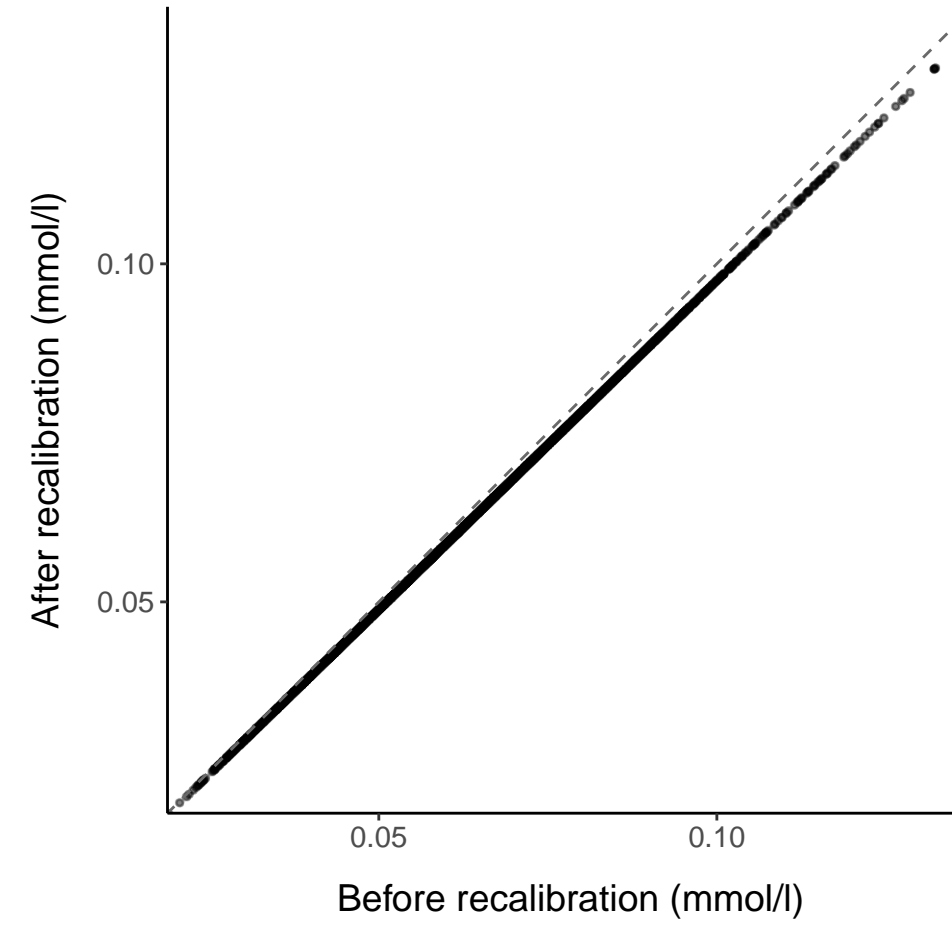
### XS\_VLDL\_CE

R: 1  
 $y = 0.00 + 0.97x$



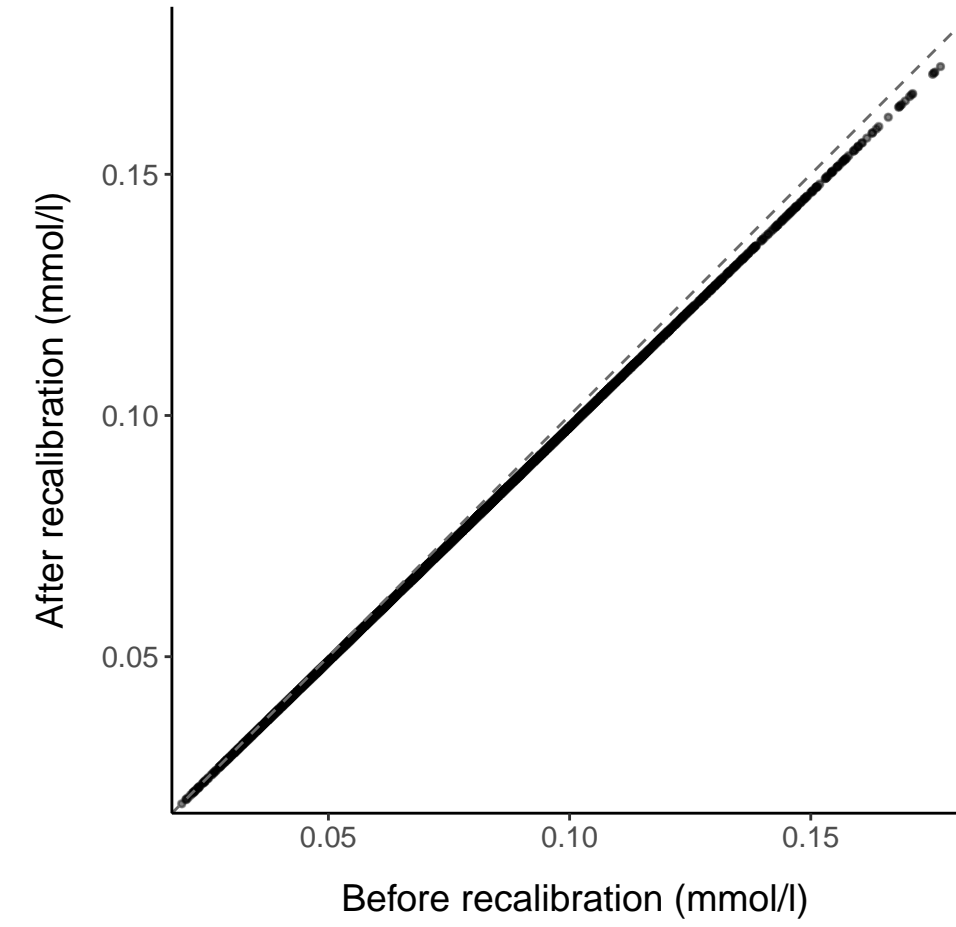
### XS\_VLDL\_FC

R: 1  
 $y = 0.00 + 0.97x$



### XS\_VLDL\_TG

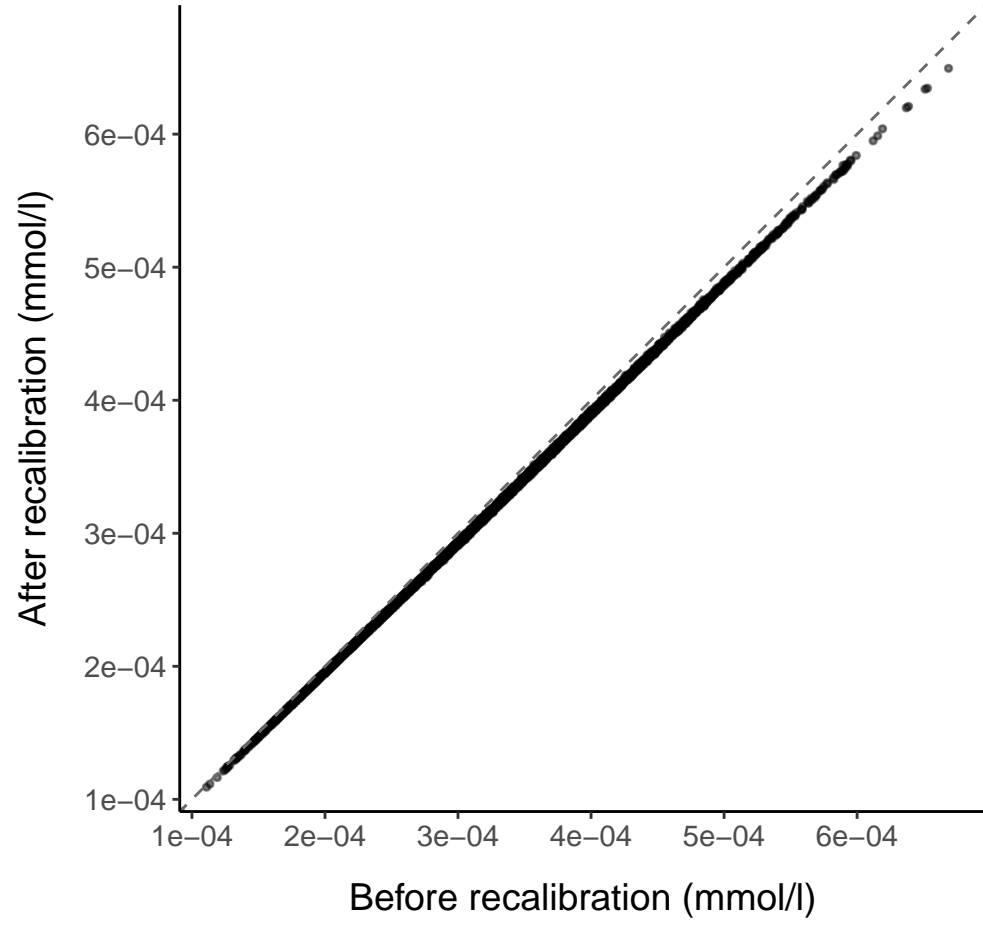
R: 1  
 $y = 0.00 + 0.97x$



# IDL (average diameter 28.6 nm)

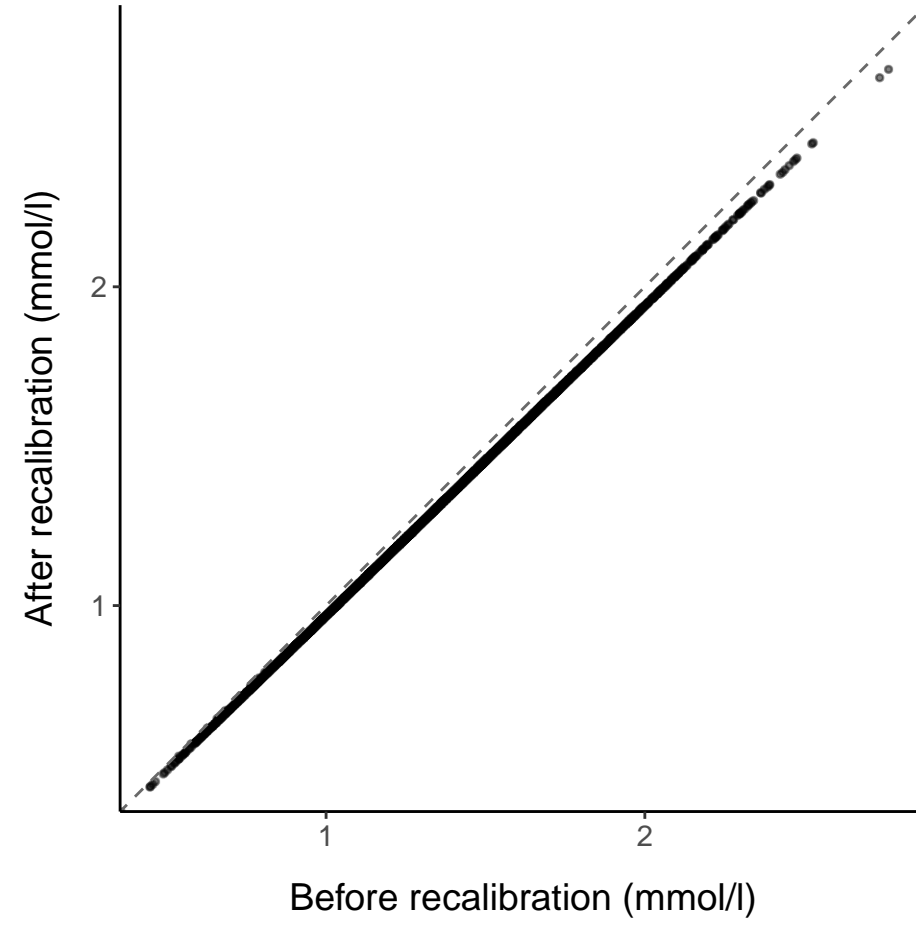
### IDL\_P

R: 1  
 $y = 0.00 + 0.97x$



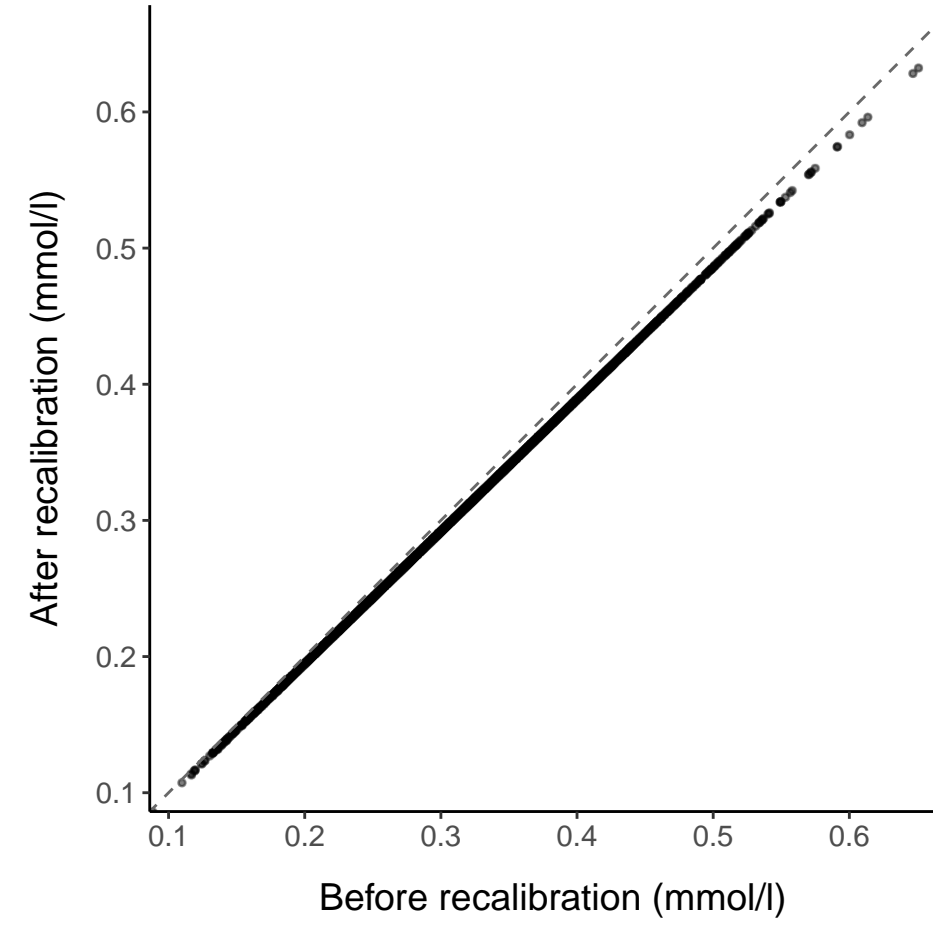
### IDL\_L

R: 1  
 $y = -0.00 + 0.97x$



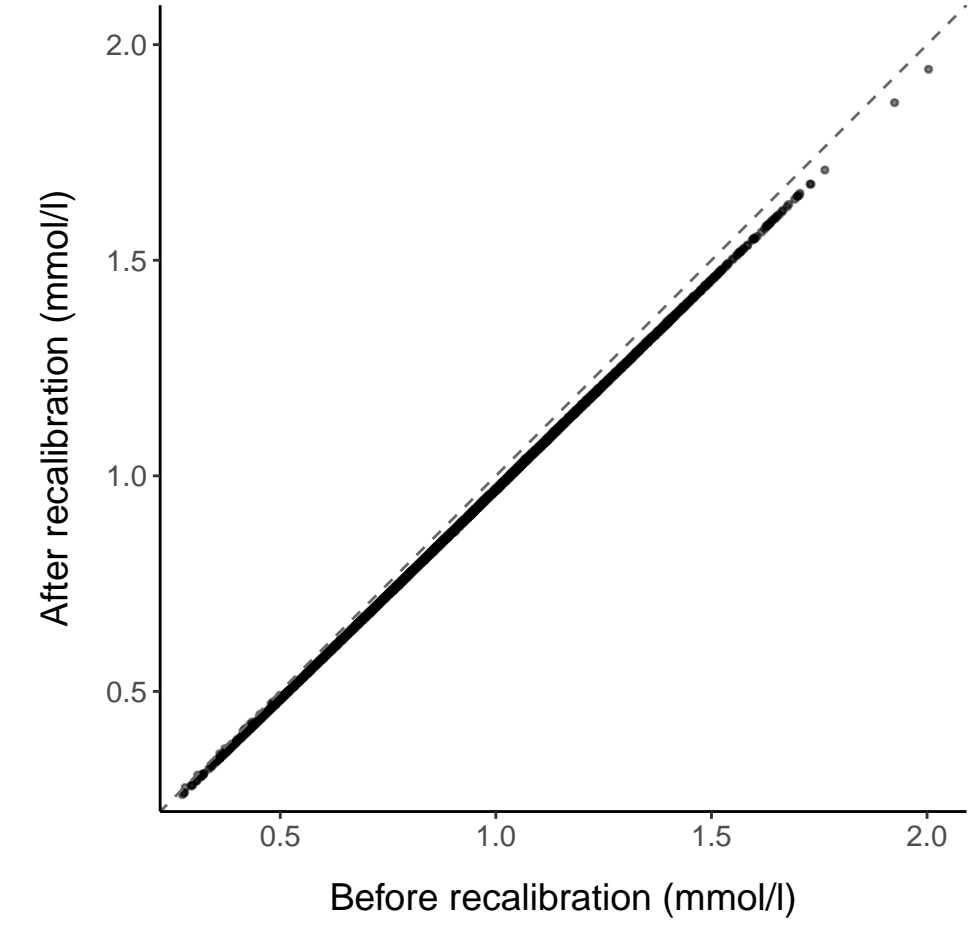
### IDL\_PL

R: 1  
 $y = 0.00 + 0.97x$



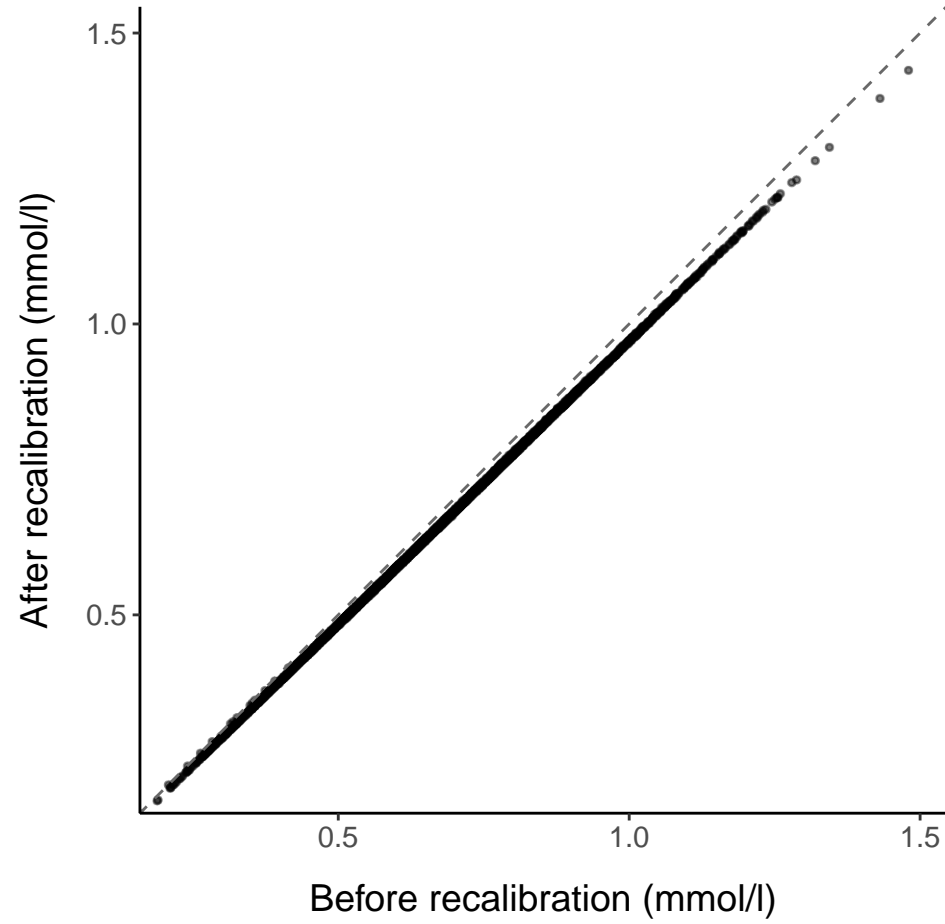
### IDL\_C

R: 1  
 $y = -0.00 + 0.97x$



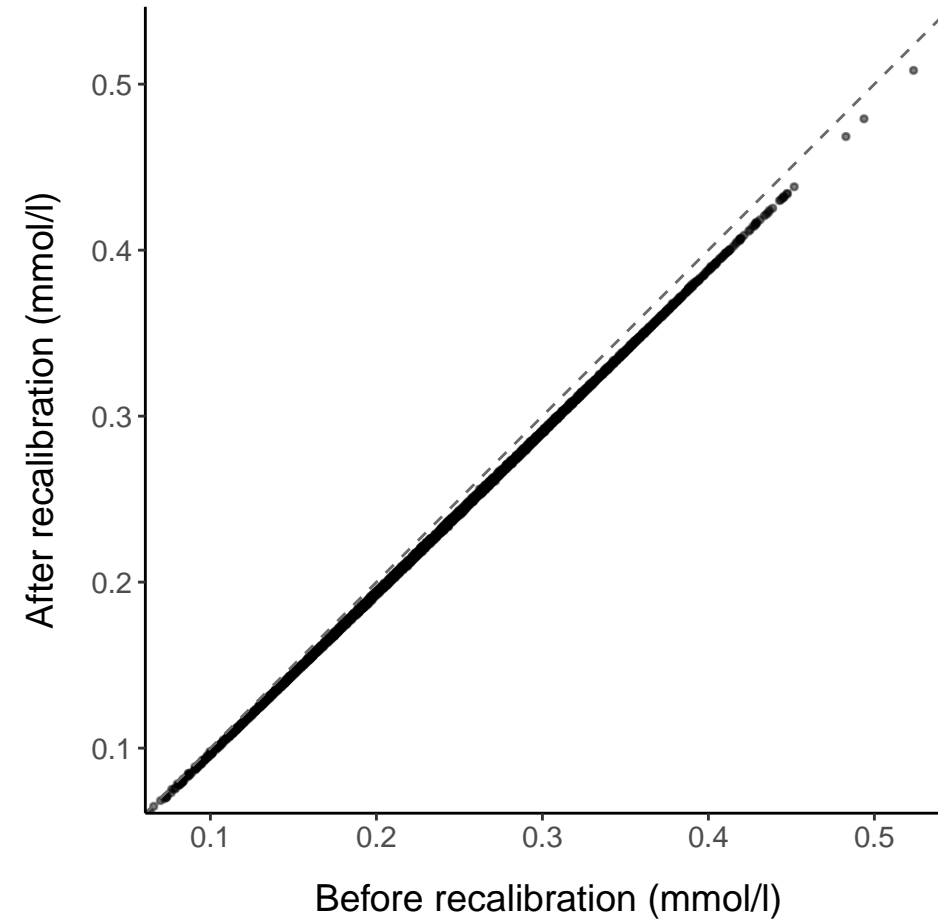
### IDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



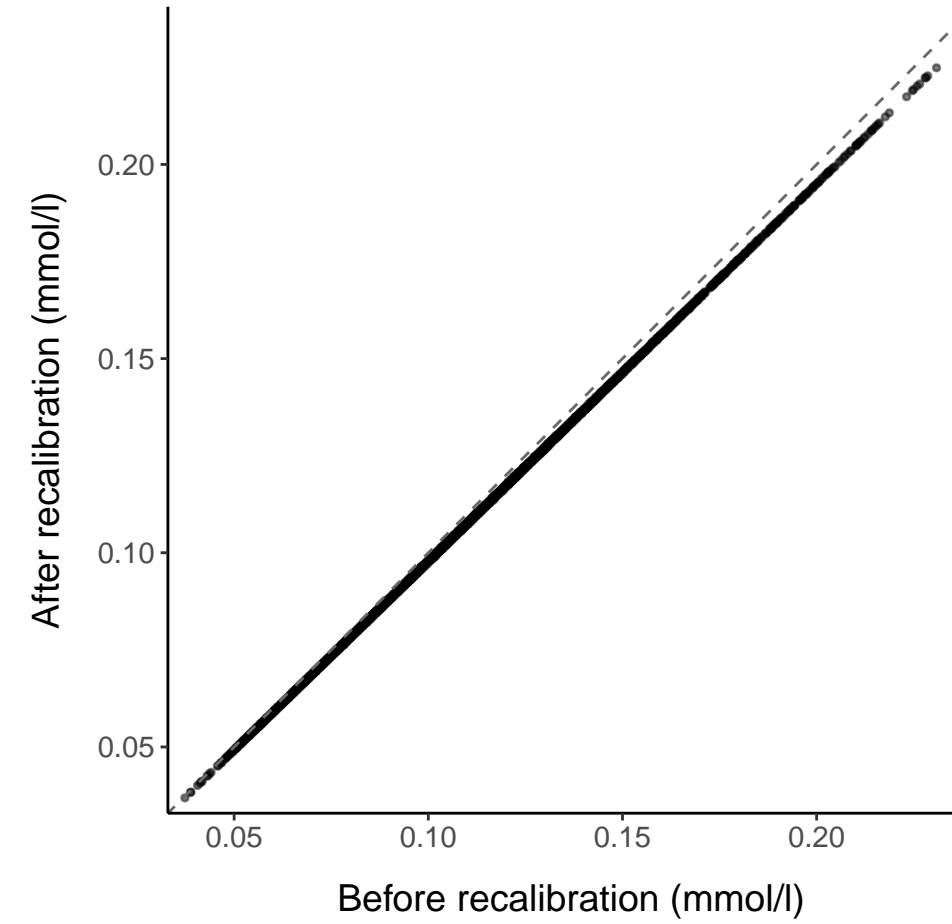
### IDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



### IDL\_TG

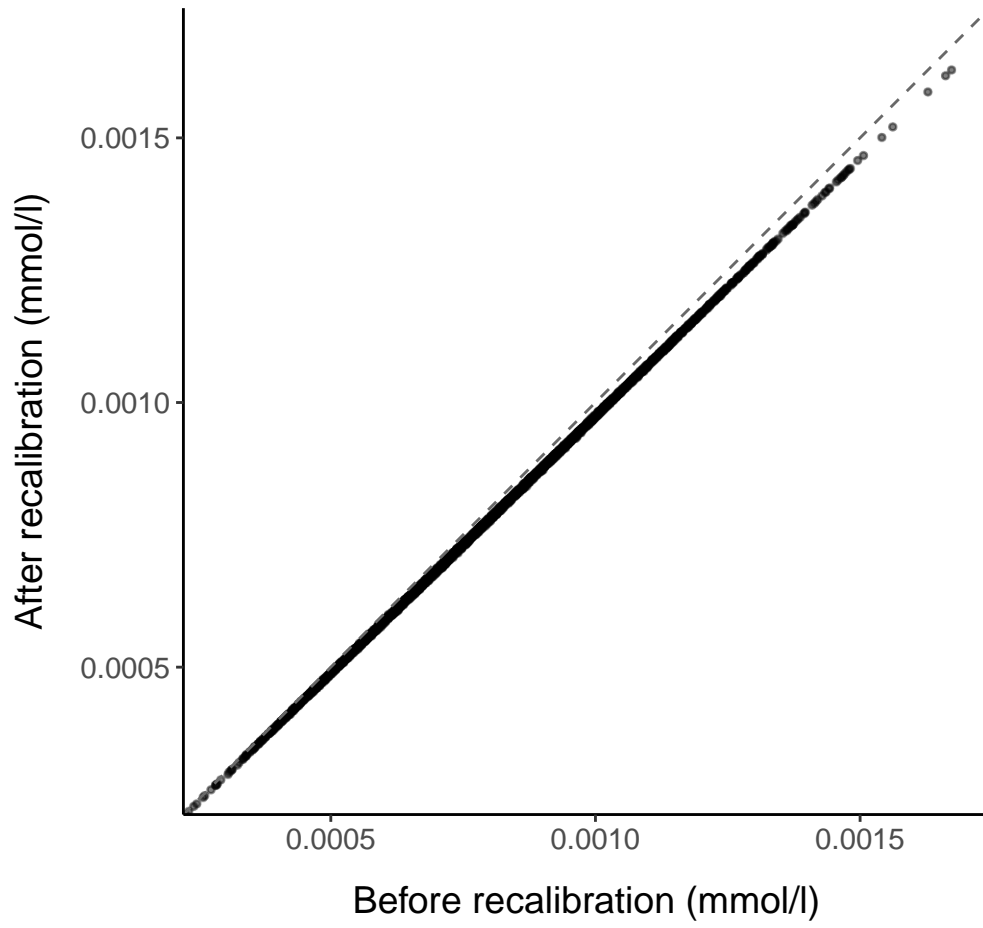
R: 1  
 $y = 0.00 + 0.97x$



# Large LDL (average diameter 25.5 nm)

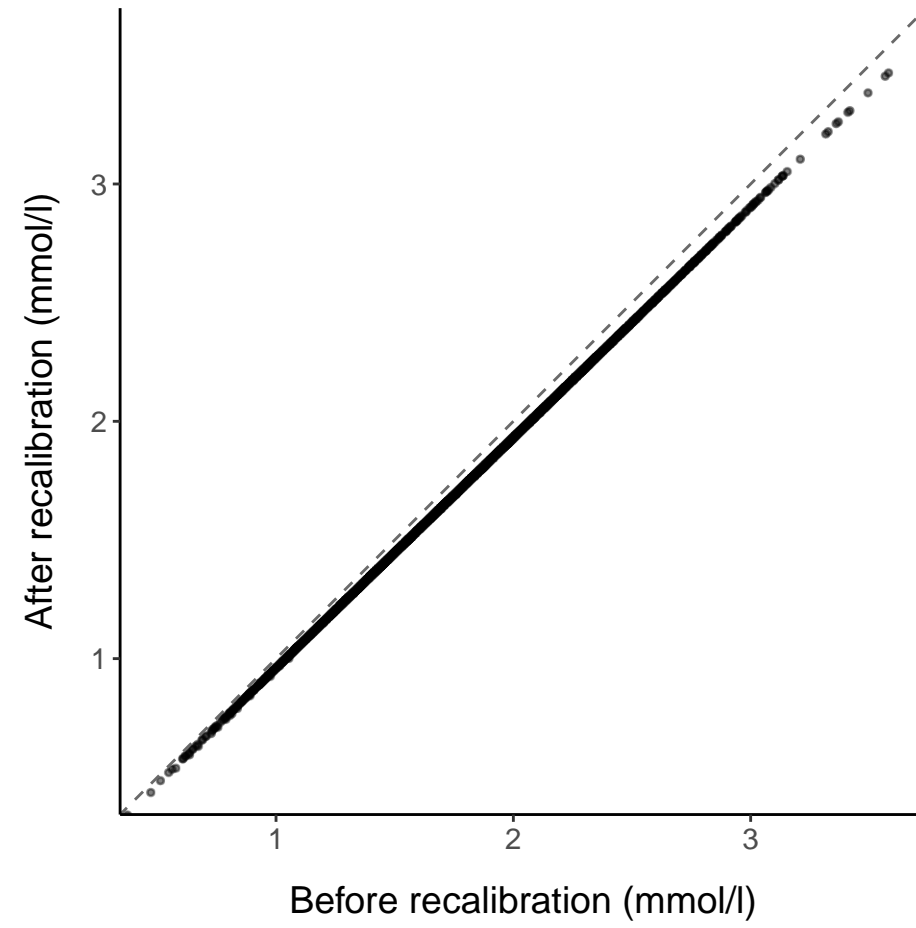
## L\_LDL\_P

R: 1  
 $y = 0.00 + 0.97x$



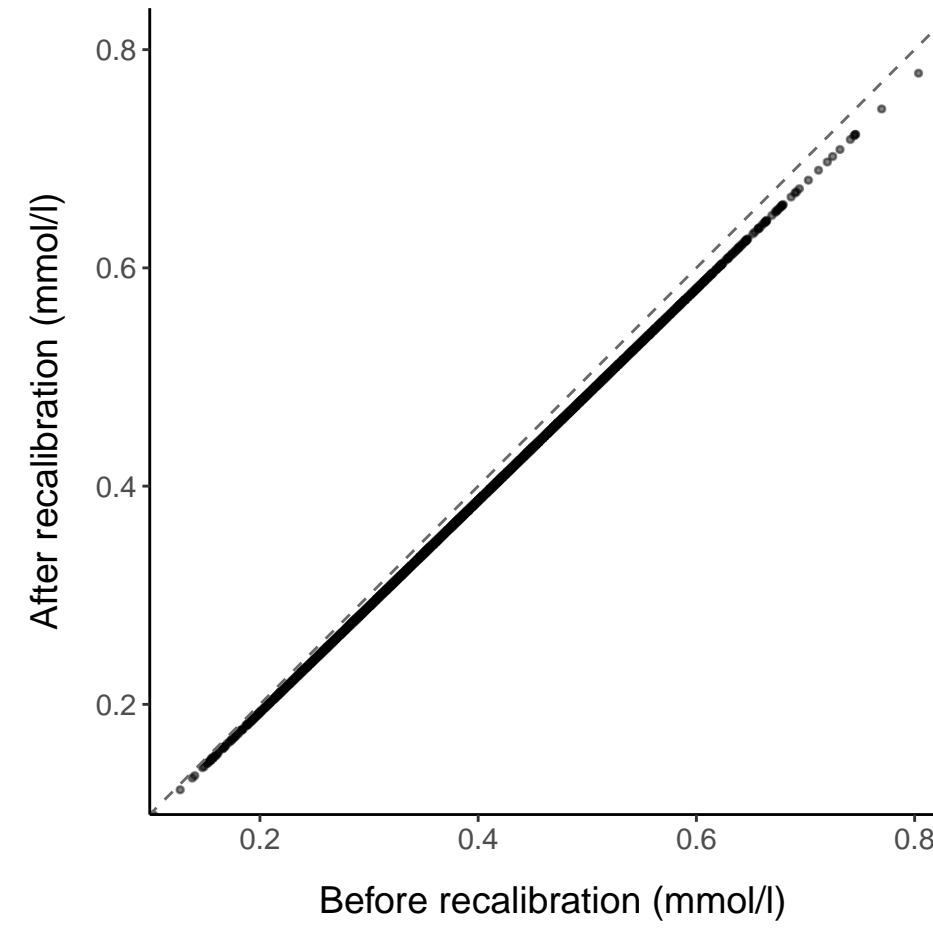
## L\_LDL\_L

R: 1  
 $y = -0.01 + 0.97x$



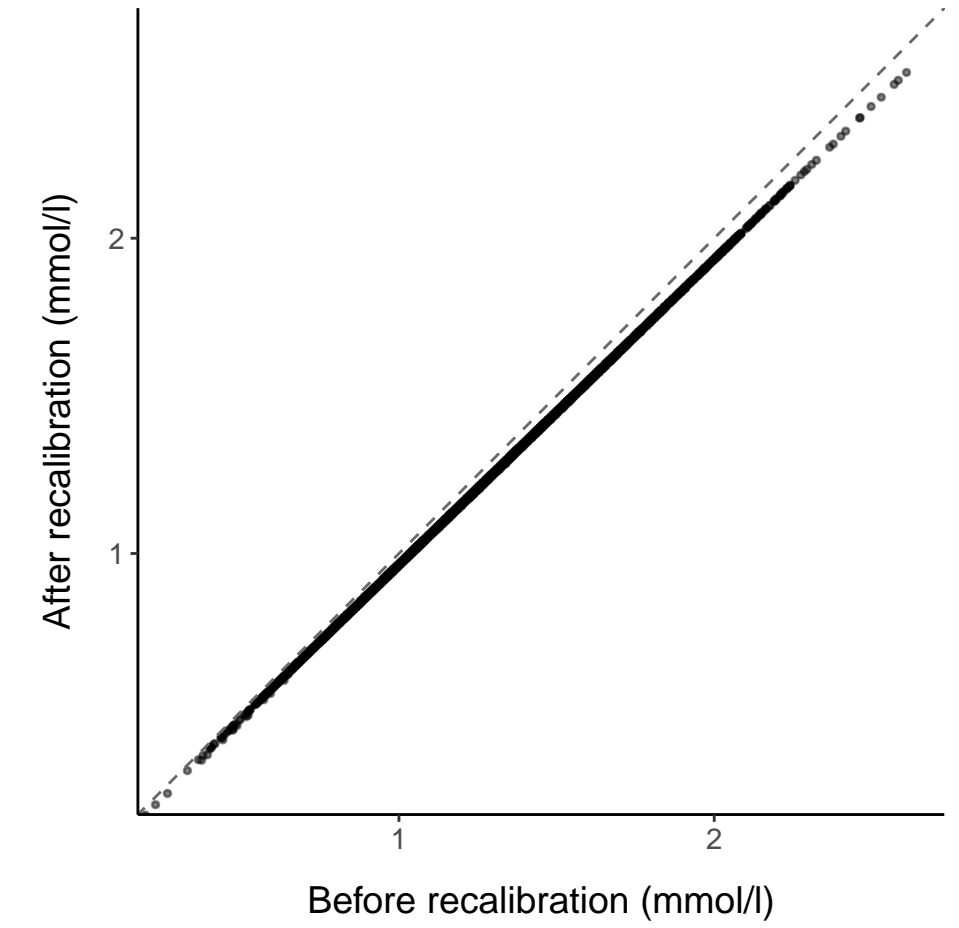
## L\_LDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



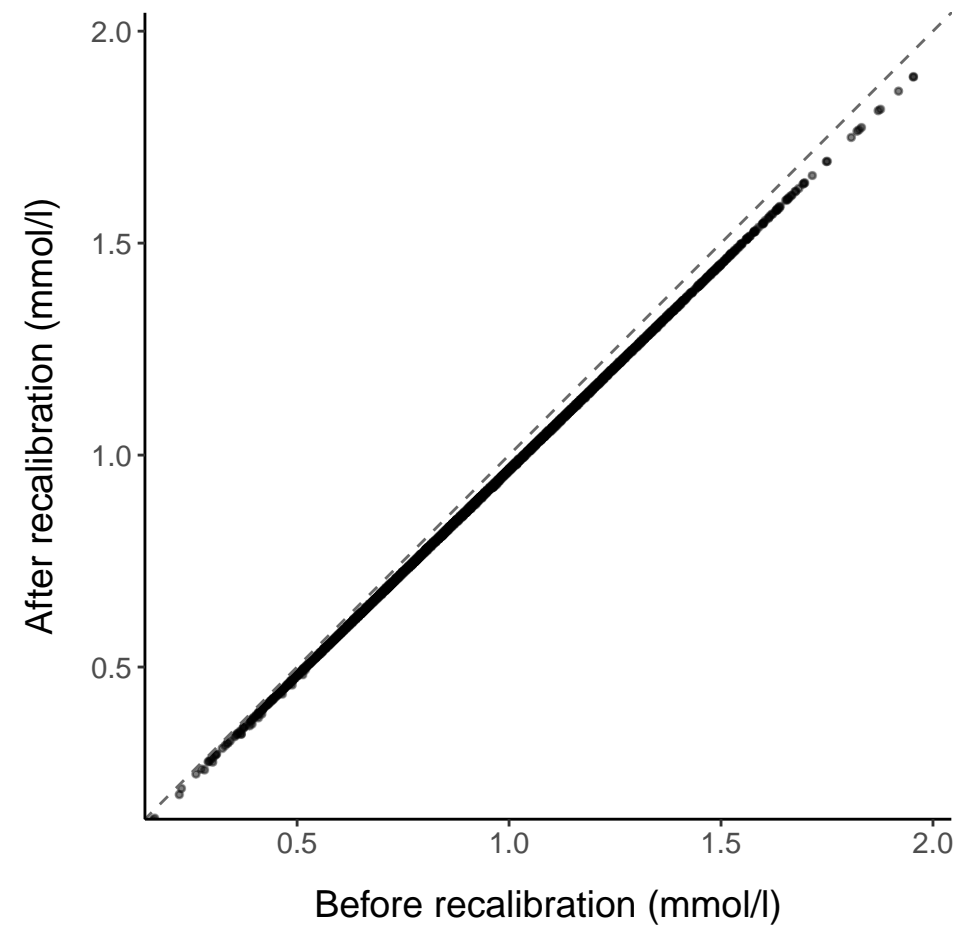
## L\_LDL\_C

R: 1  
 $y = -0.01 + 0.97x$



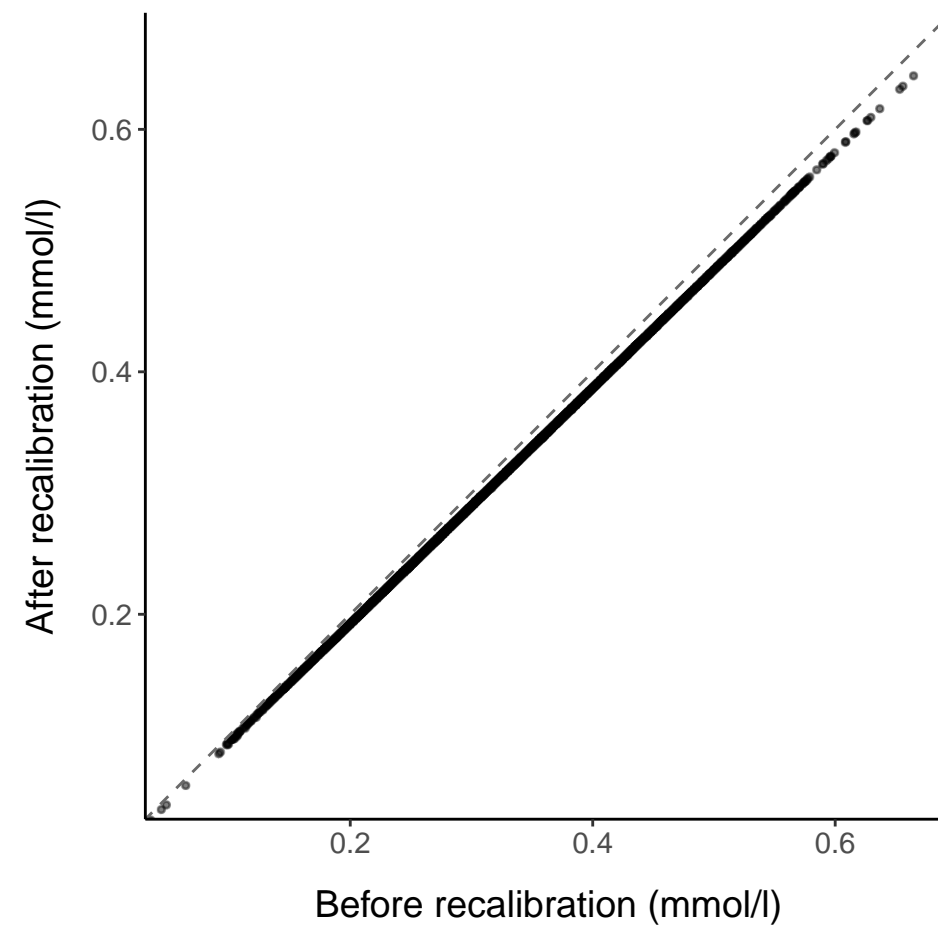
## L\_LDL\_CE

R: 1  
 $y = -0.01 + 0.97x$



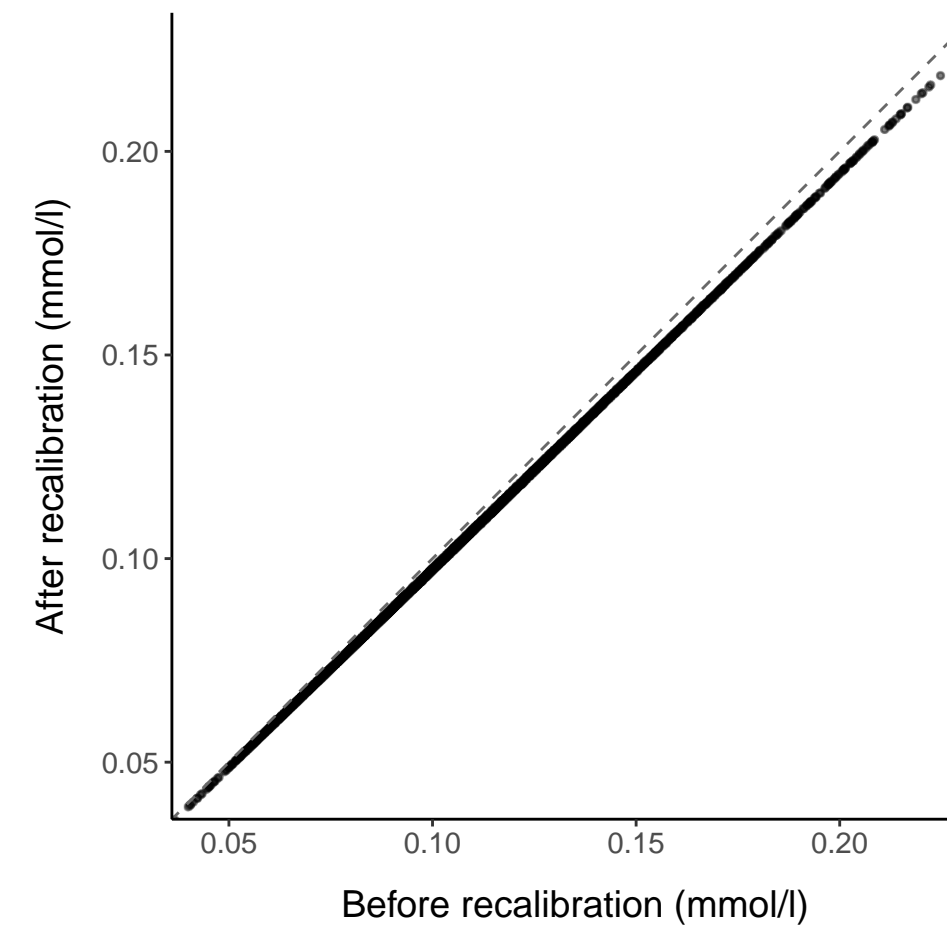
## L\_LDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



## L\_LDL\_TG

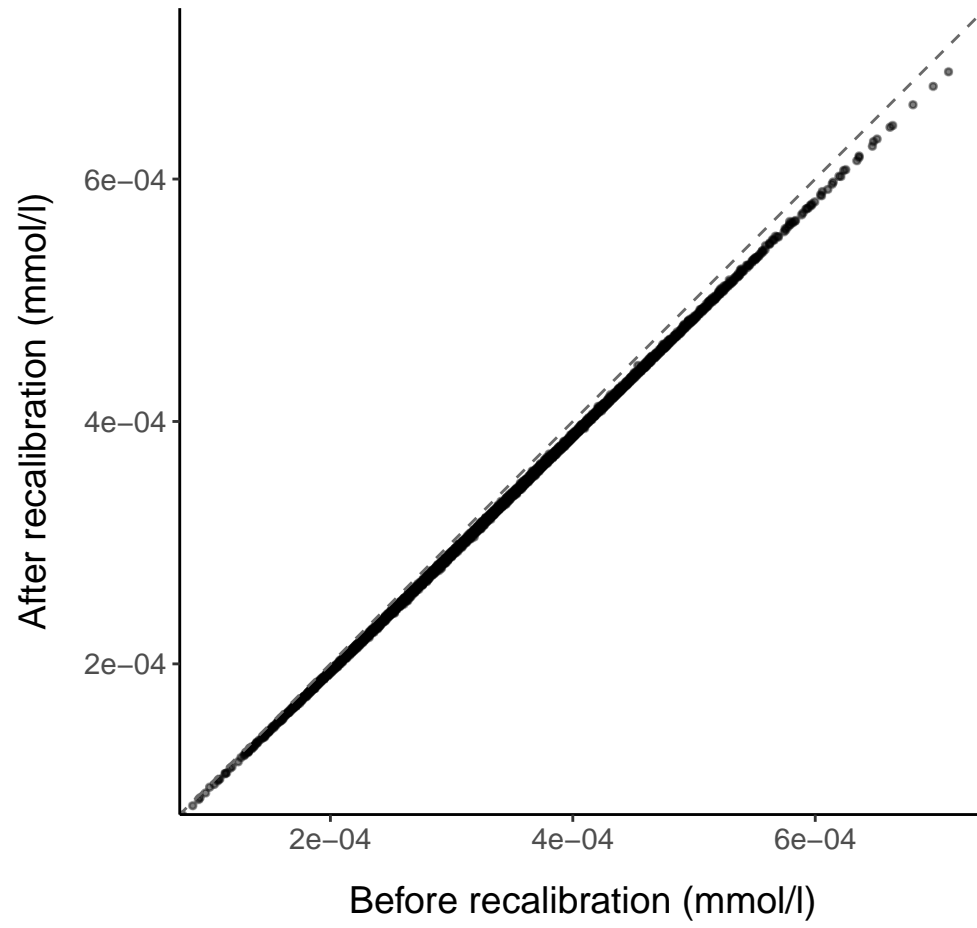
R: 1  
 $y = -0.00 + 0.97x$



# Medium LDL (average diameter 23 nm)

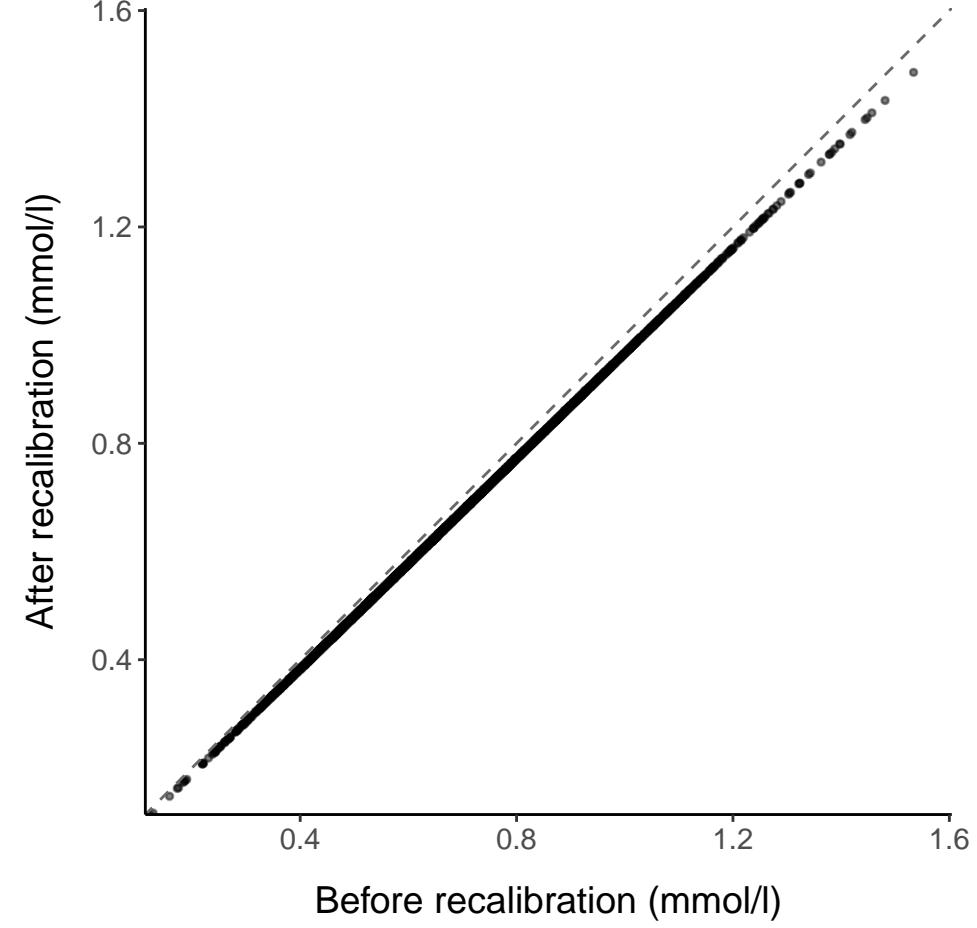
## M\_LDL\_P

R: 1  
 $y = -0.00 + 0.97x$



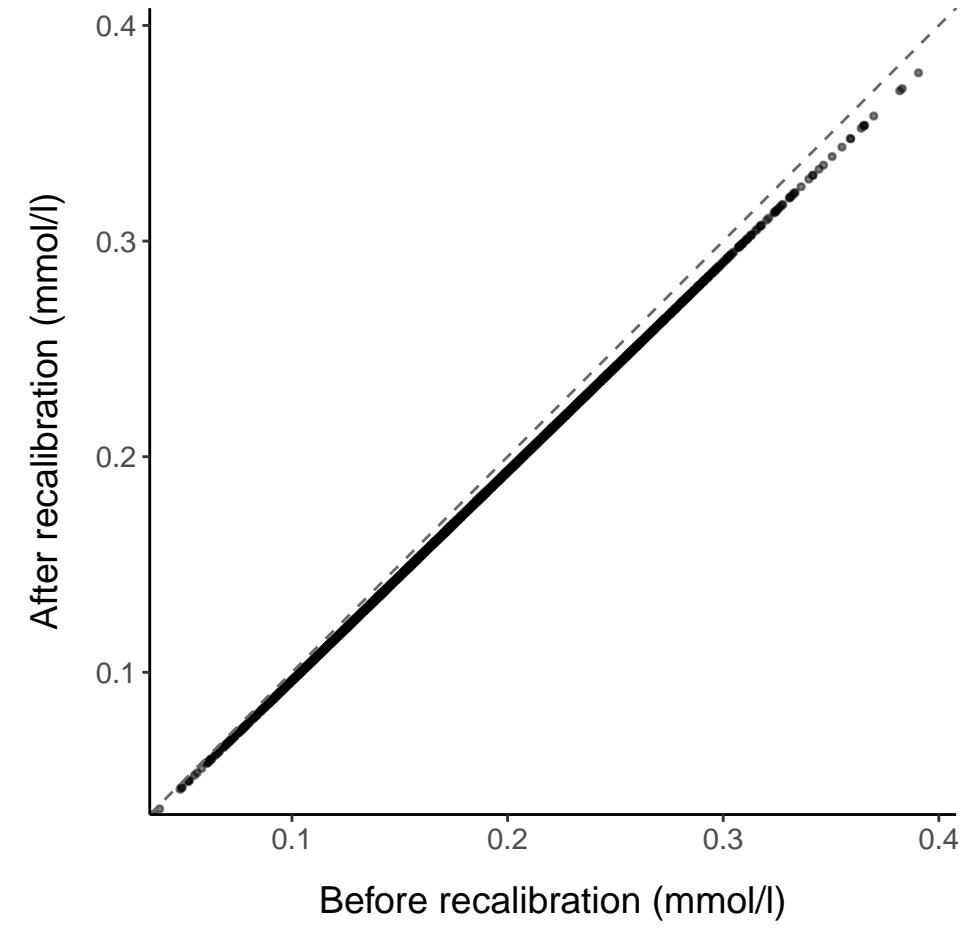
## M\_LDL\_L

R: 1  
 $y = -0.01 + 0.97x$



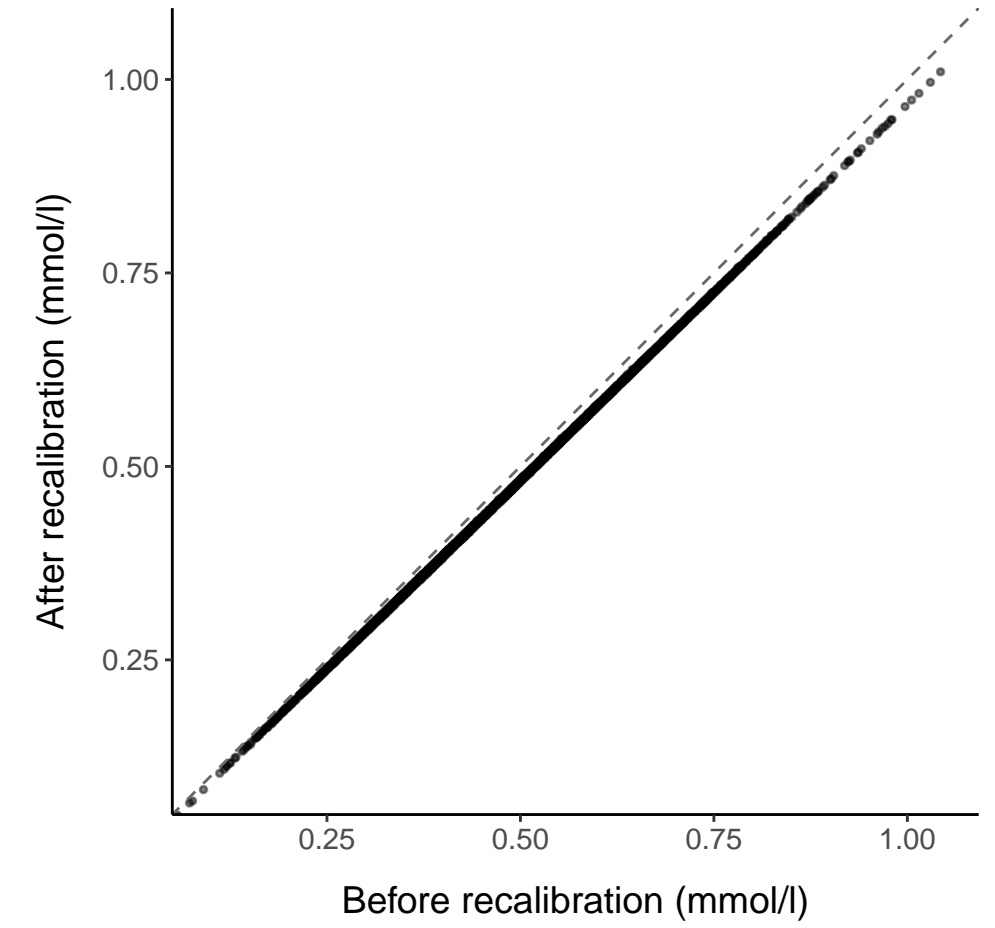
## M\_LDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



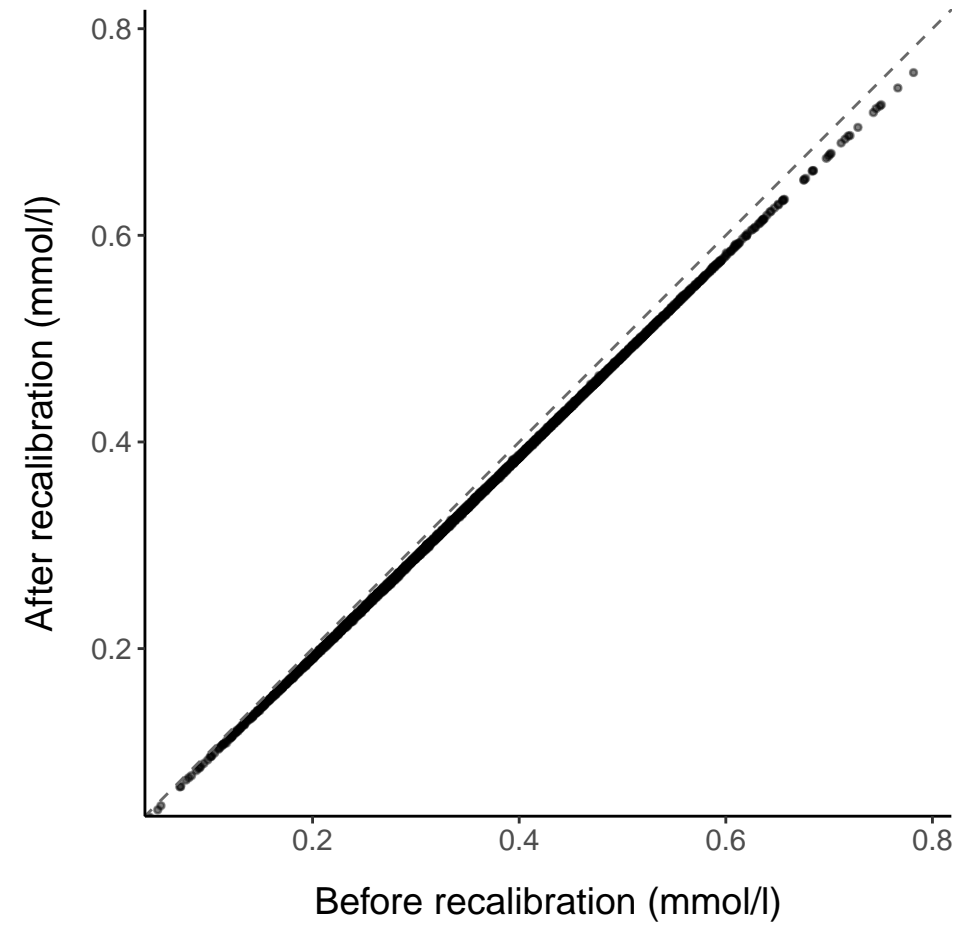
## M\_LDL\_C

R: 1  
 $y = -0.00 + 0.97x$



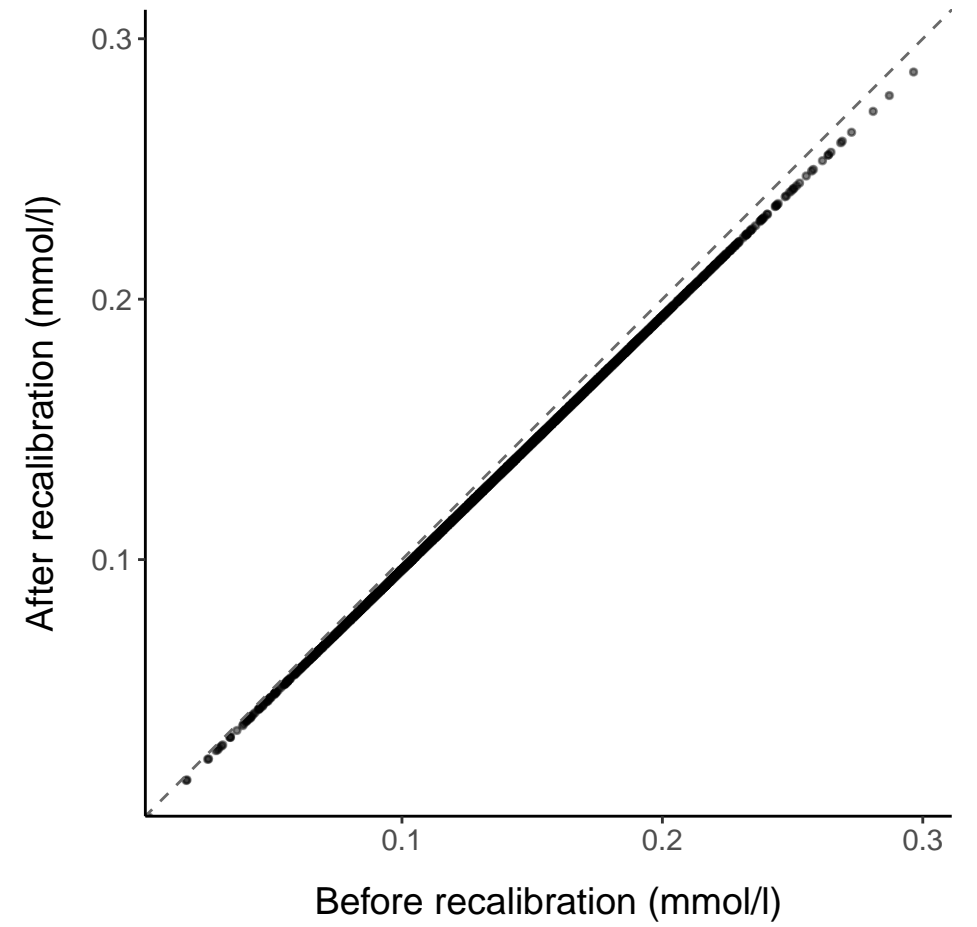
## M\_LDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



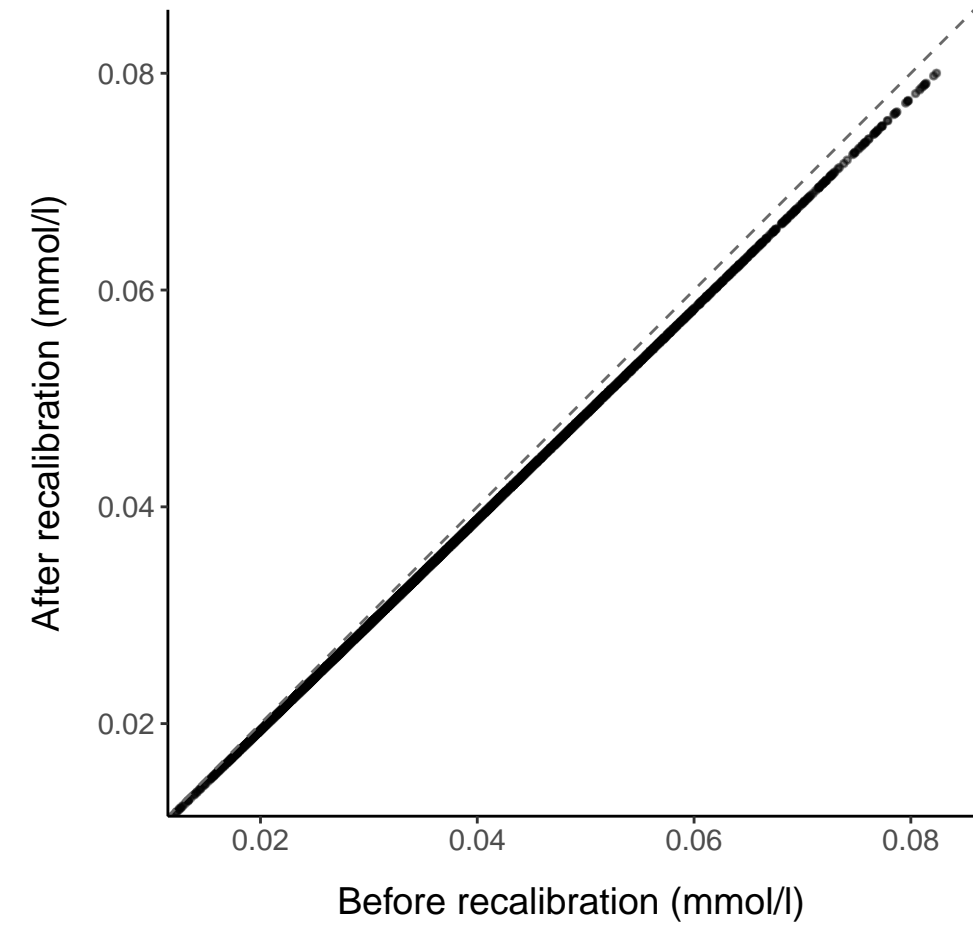
## M\_LDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



## M\_LDL\_TG

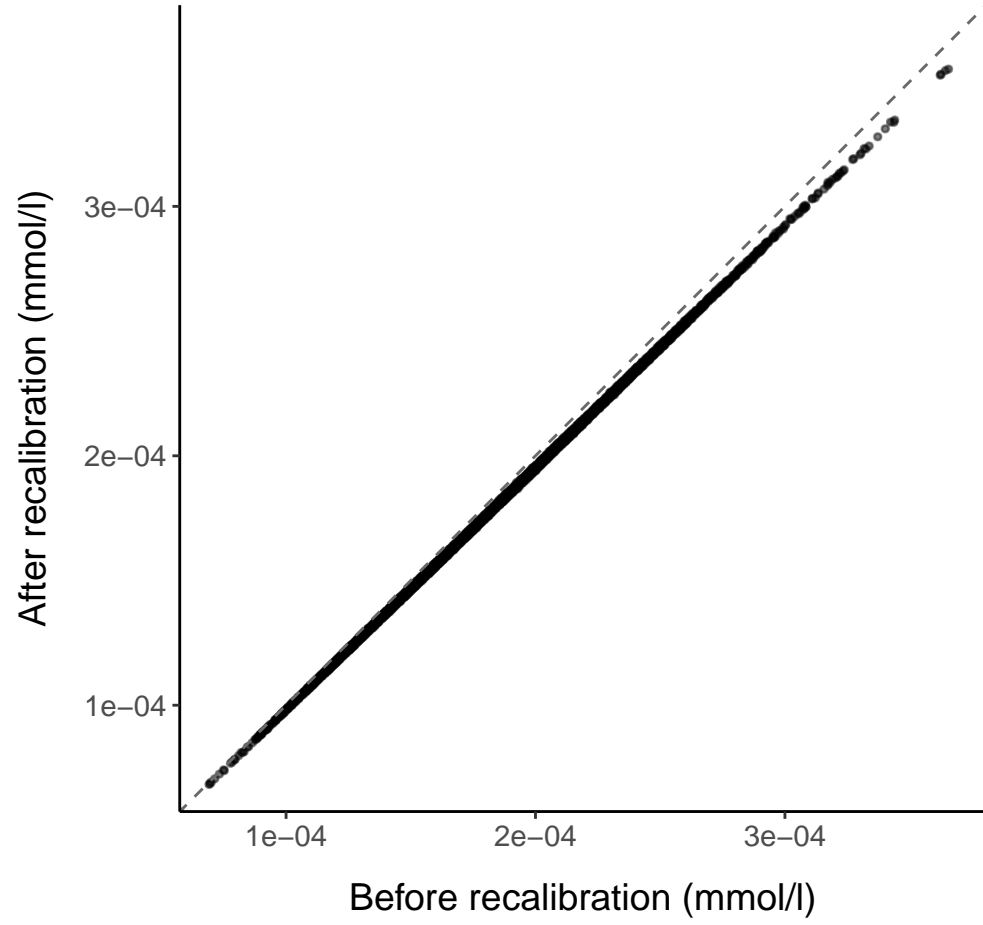
R: 1  
 $y = -0.00 + 0.97x$



# Small LDL (average diameter 18.7 nm)

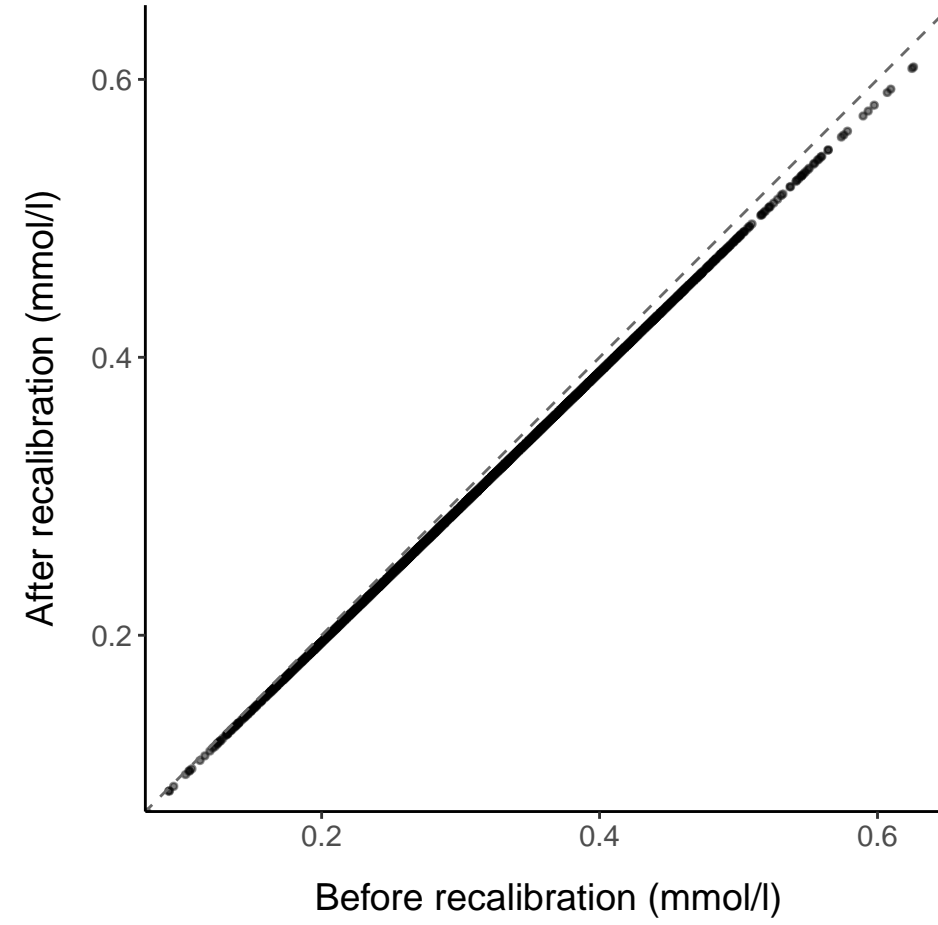
## S\_LDL\_P

R: 1  
 $y = 0.00 + 0.97x$



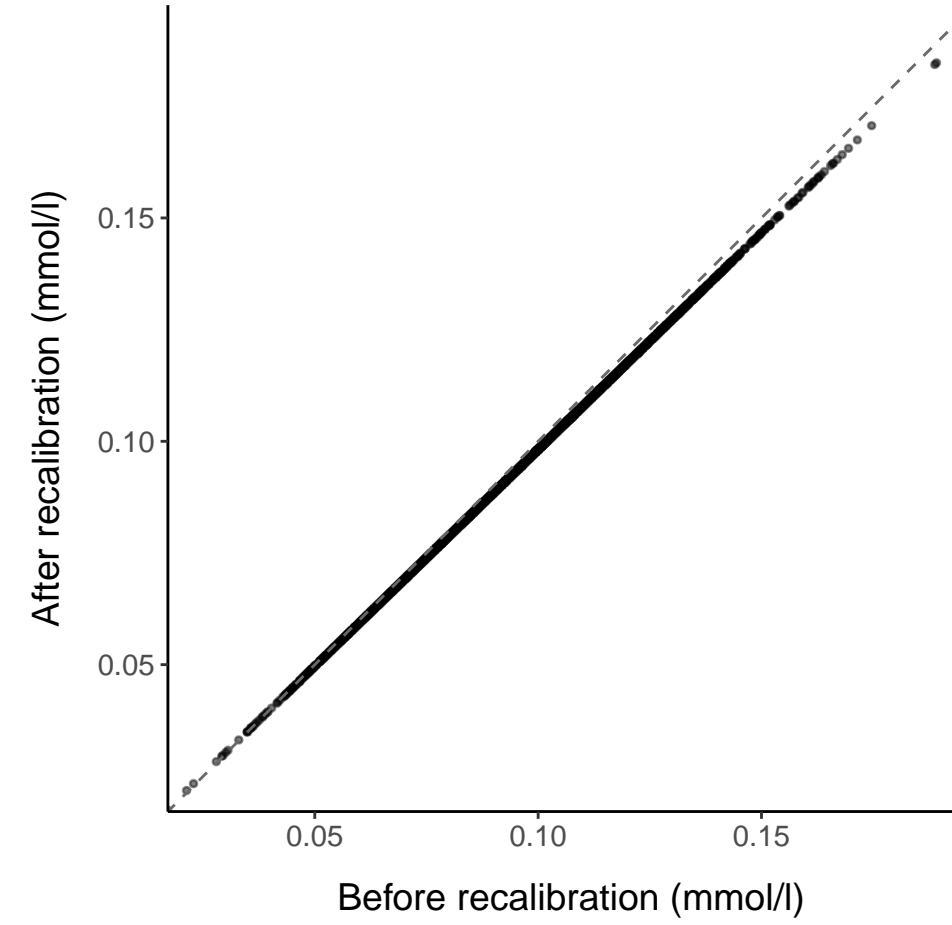
## S\_LDL\_L

R: 1  
 $y = 0.00 + 0.97x$



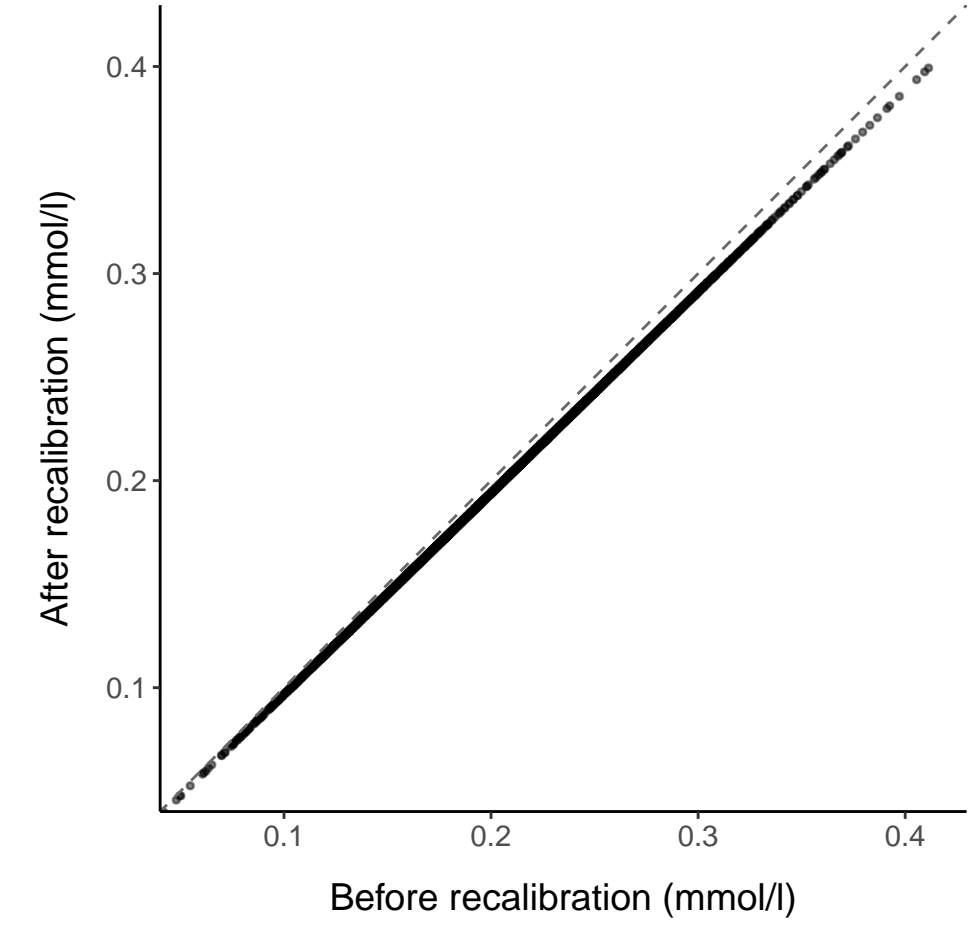
## S\_LDL\_PL

R: 1  
 $y = 0.00 + 0.97x$



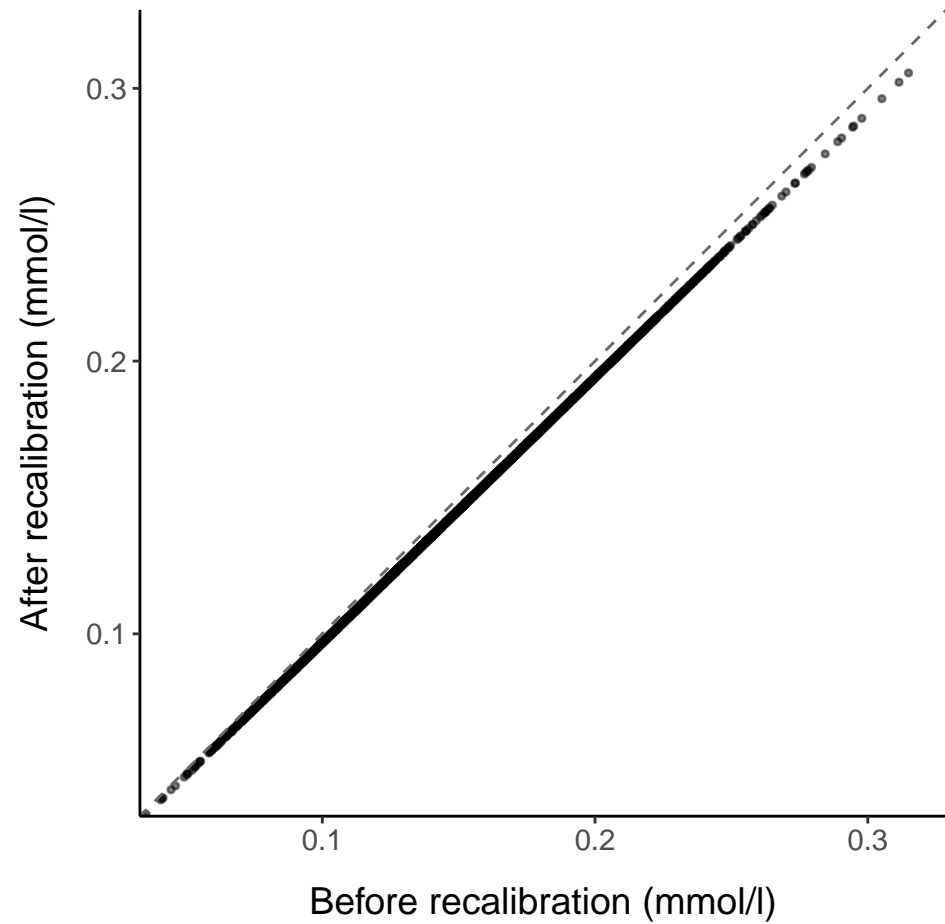
## S\_LDL\_C

R: 1  
 $y = -0.00 + 0.97x$



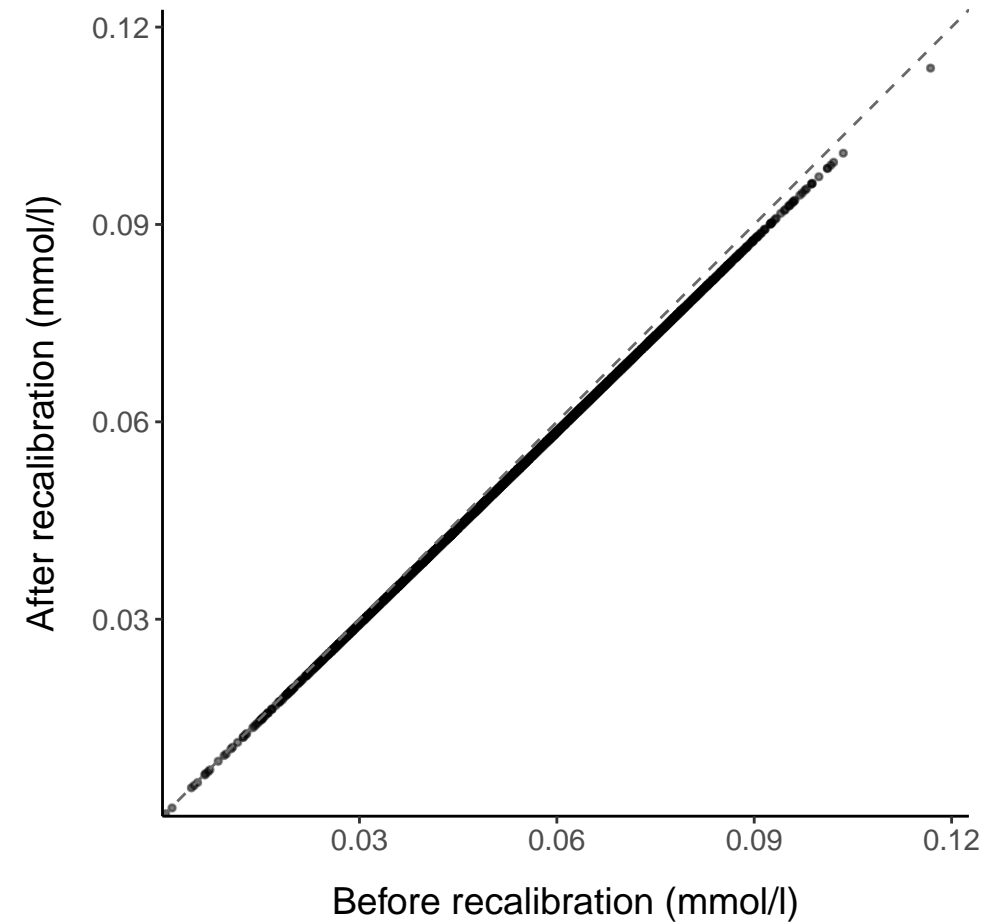
## S\_LDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



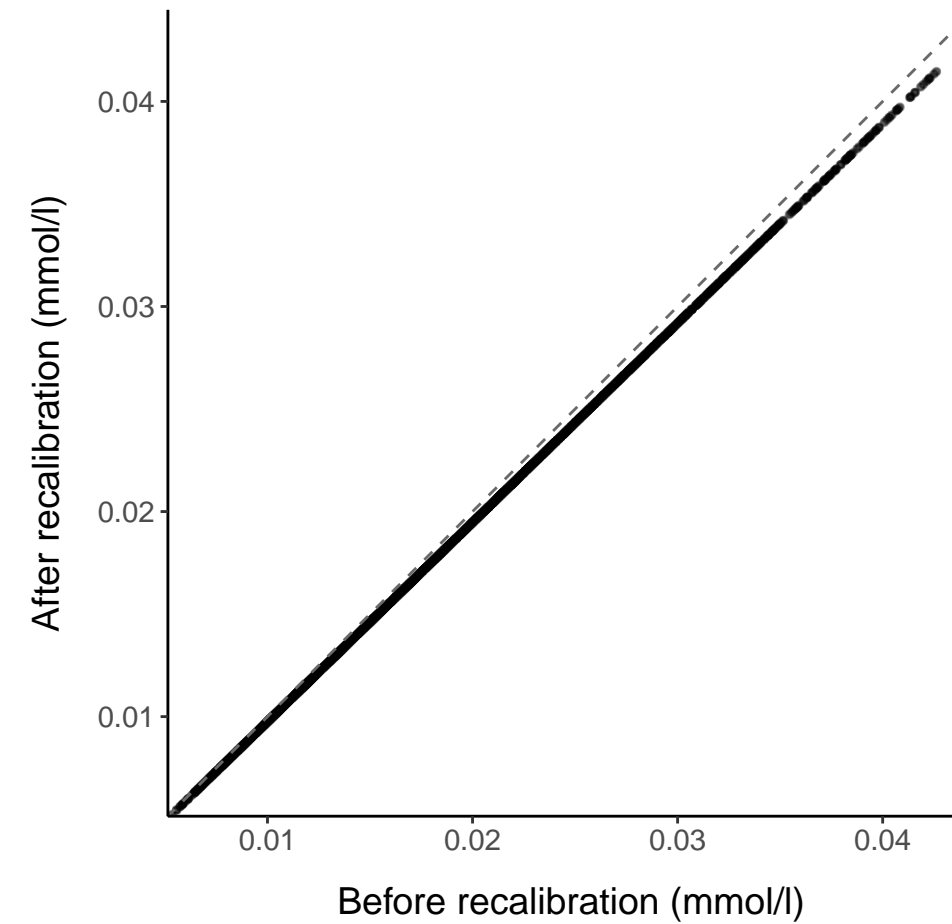
## S\_LDL\_FC

R: 1  
 $y = 0.00 + 0.97x$



## S\_LDL\_TG

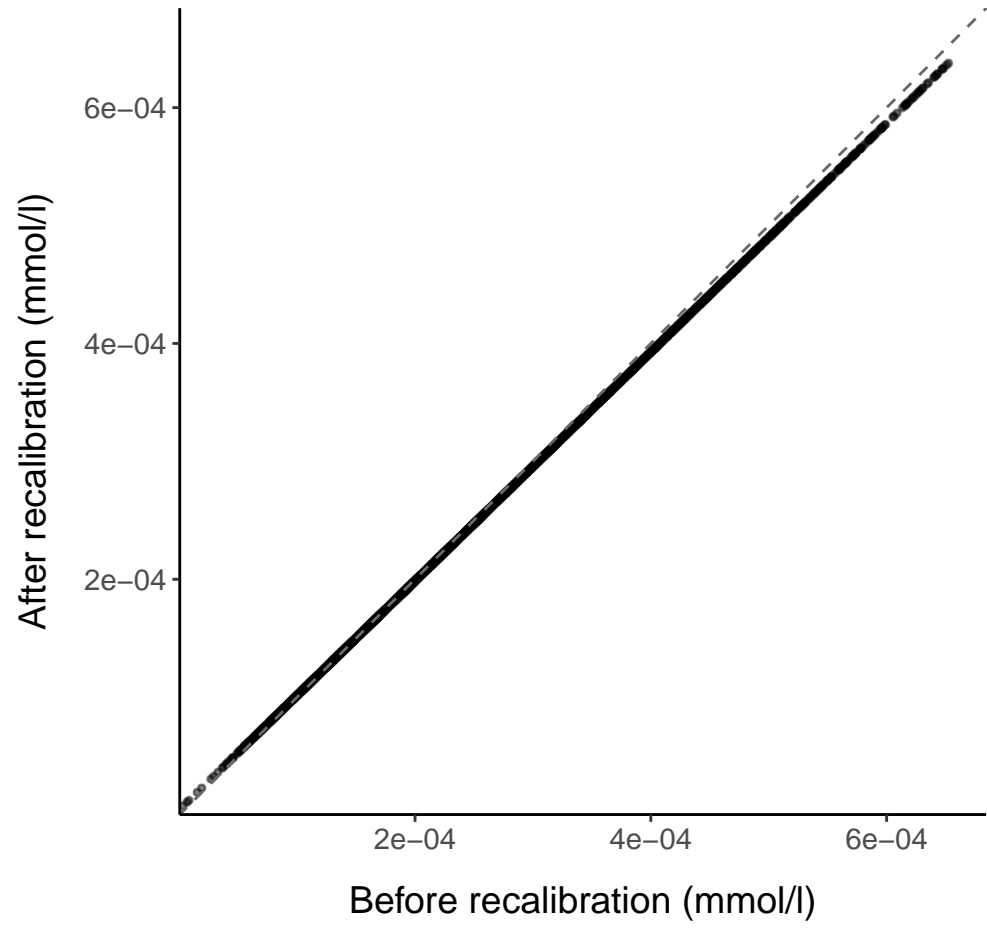
R: 1  
 $y = 0.00 + 0.97x$



# Very large HDL (average diameter 14.3 nm)

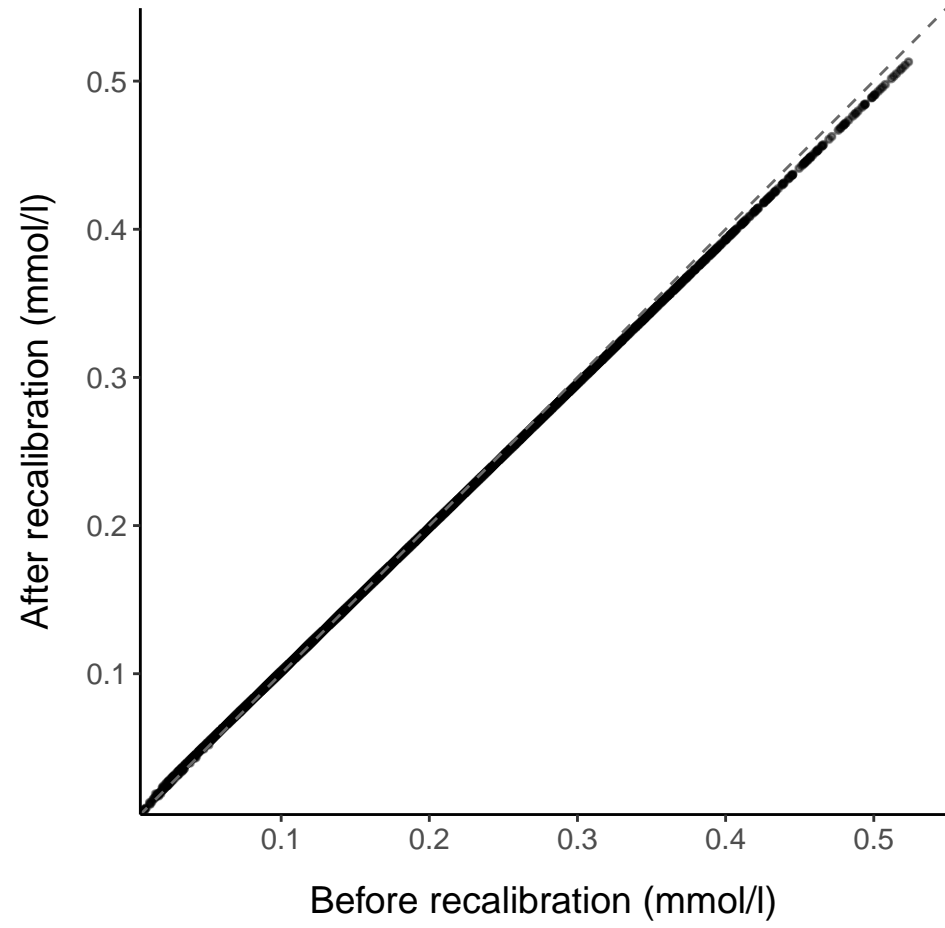
### XL\_HDL\_P

R: 1  
 $y = 0.00 + 0.97x$



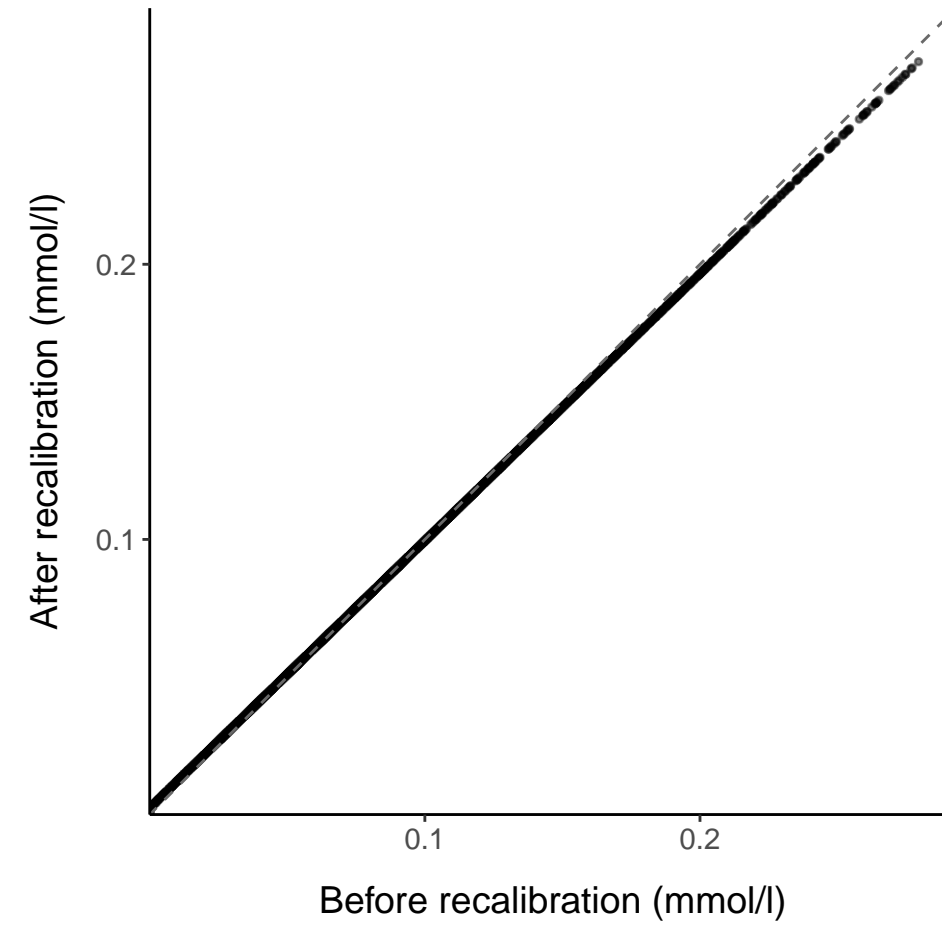
### XL\_HDL\_L

R: 1  
 $y = 0.00 + 0.97x$



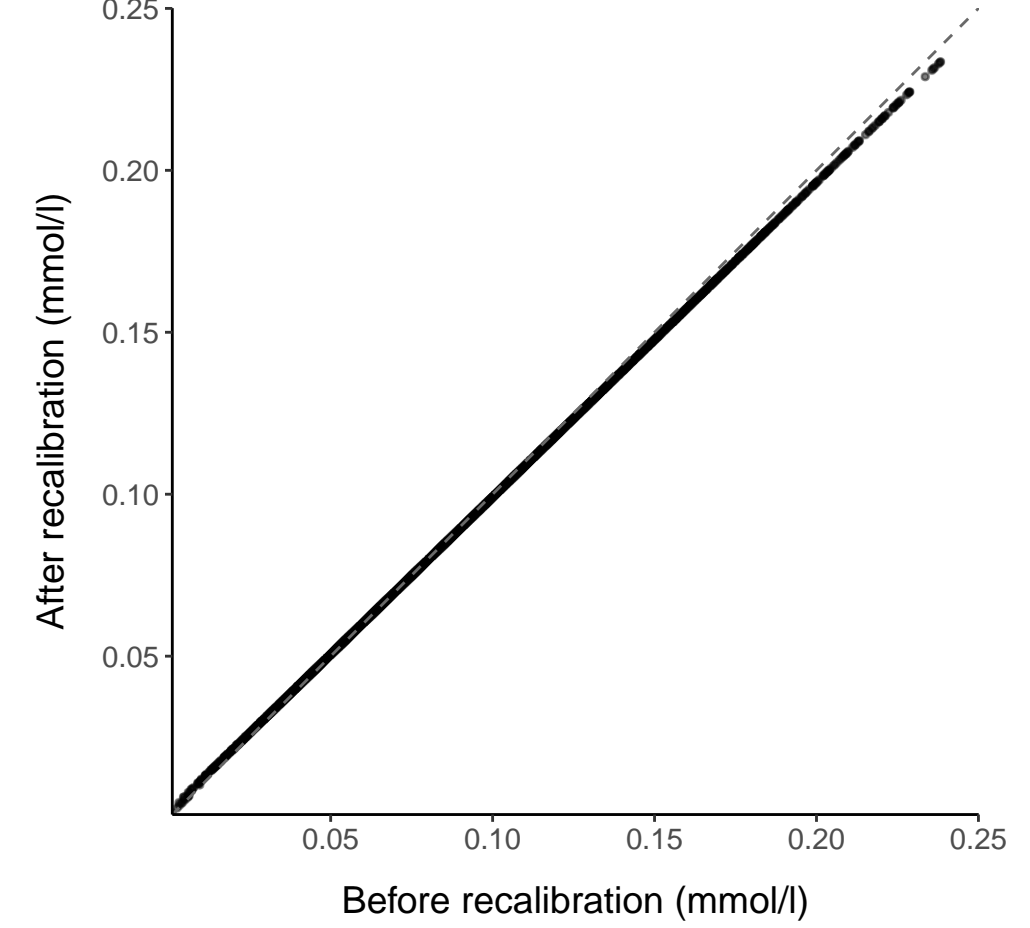
### XL\_HDL\_PL

R: 1  
 $y = 0.00 + 0.97x$



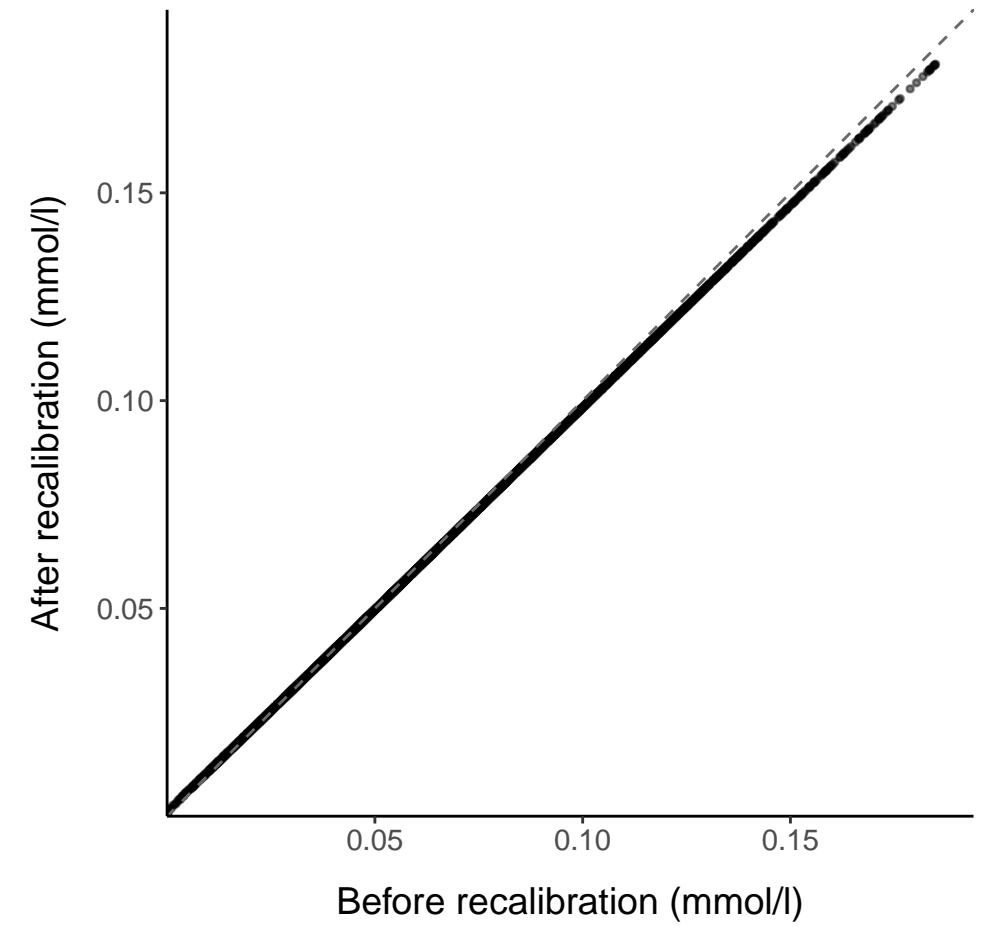
### XL\_HDL\_C

R: 1  
 $y = 0.00 + 0.97x$



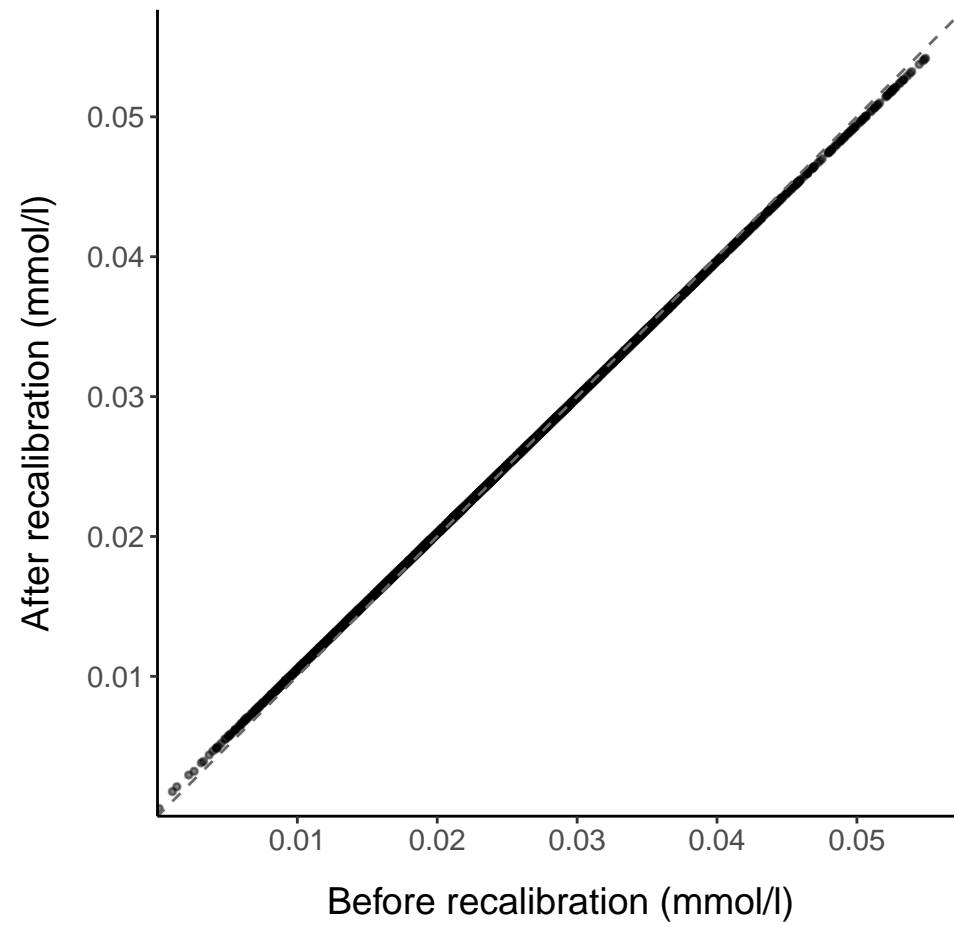
### XL\_HDL\_CE

R: 1  
 $y = 0.00 + 0.97x$



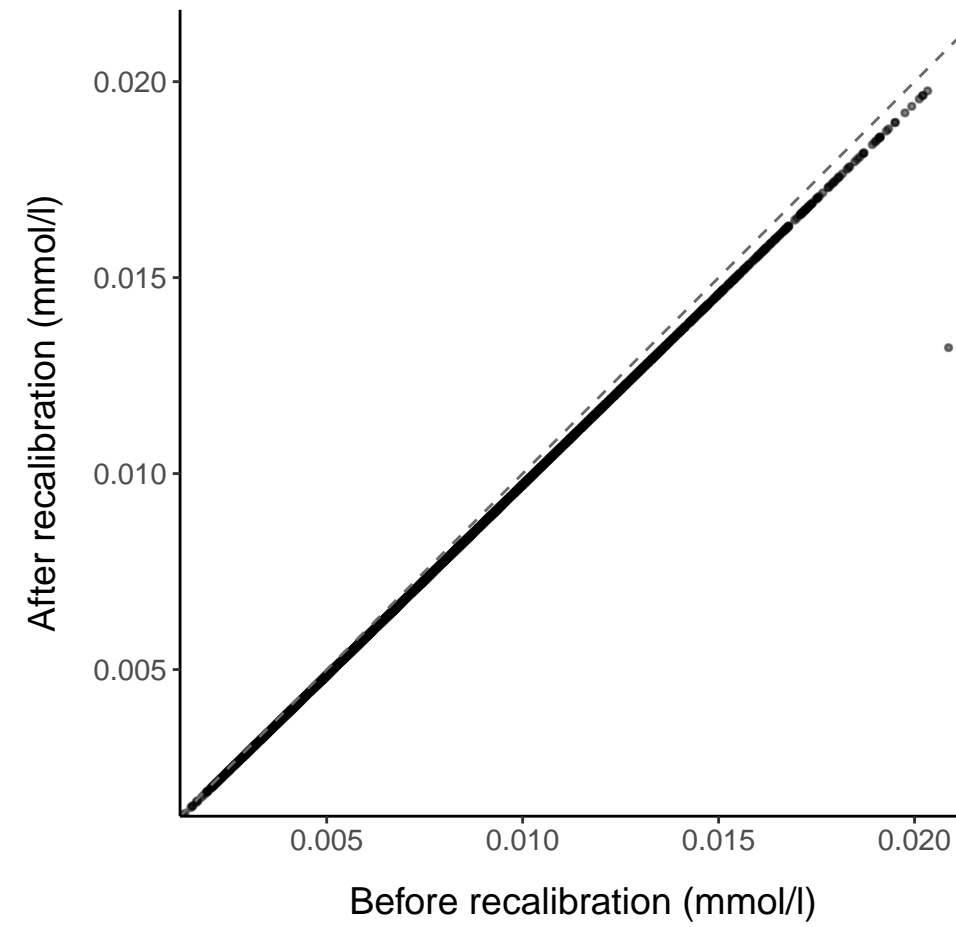
### XL\_HDL\_FC

R: 1  
 $y = 0.00 + 0.97x$



### XL\_HDL\_TG

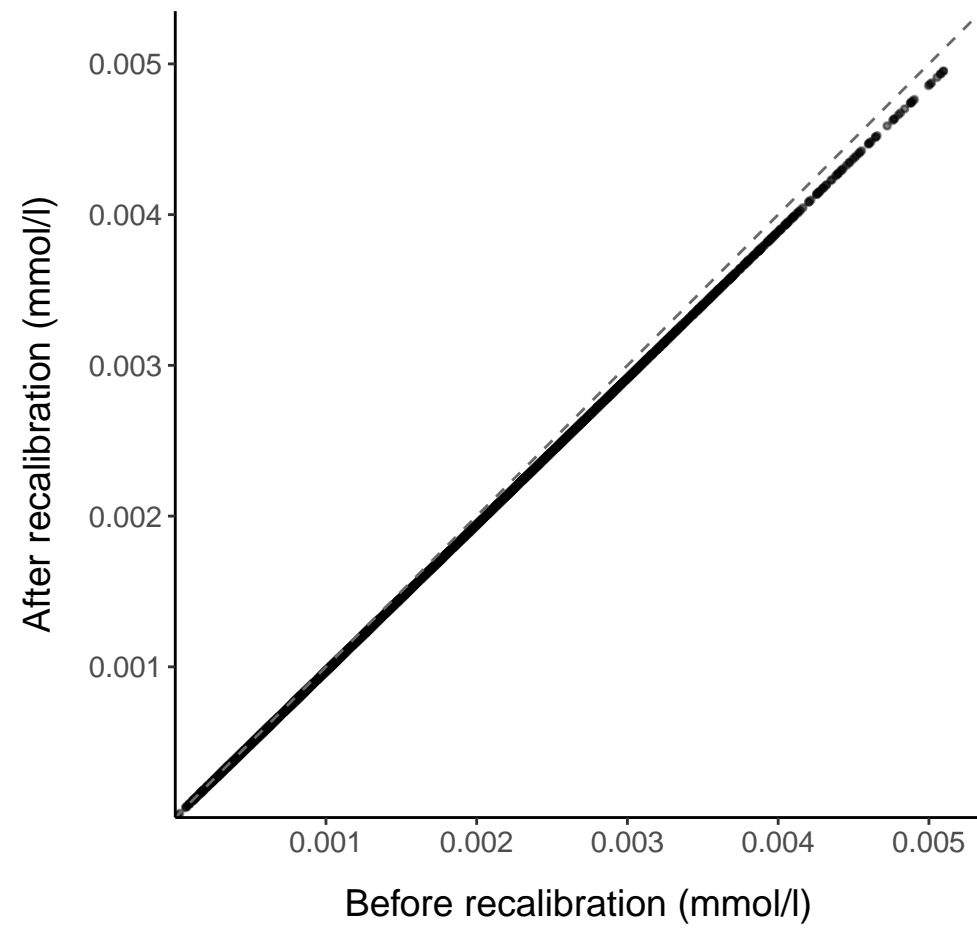
R: 1  
 $y = 0.00 + 0.97x$



# Large HDL (average diameter 12.1 nm)

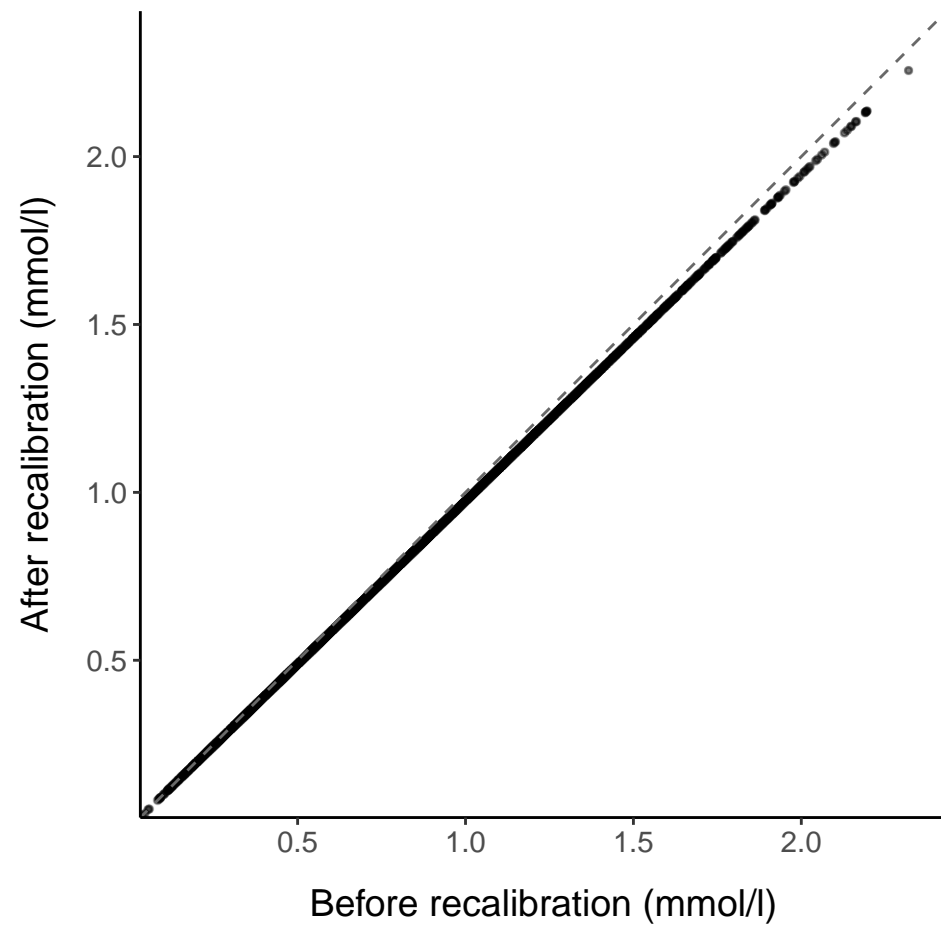
## L\_HDL\_P

R: 1  
 $y = 0.00 + 0.97x$



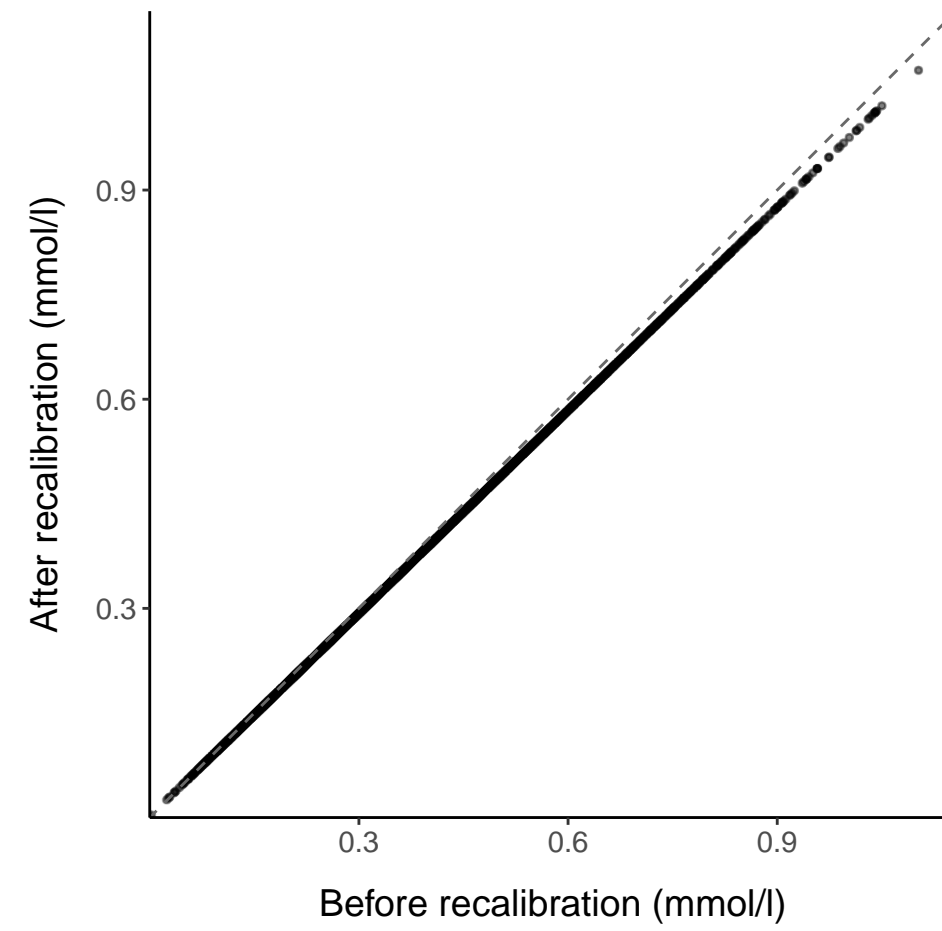
## L\_HDL\_L

R: 1  
 $y = 0.00 + 0.97x$



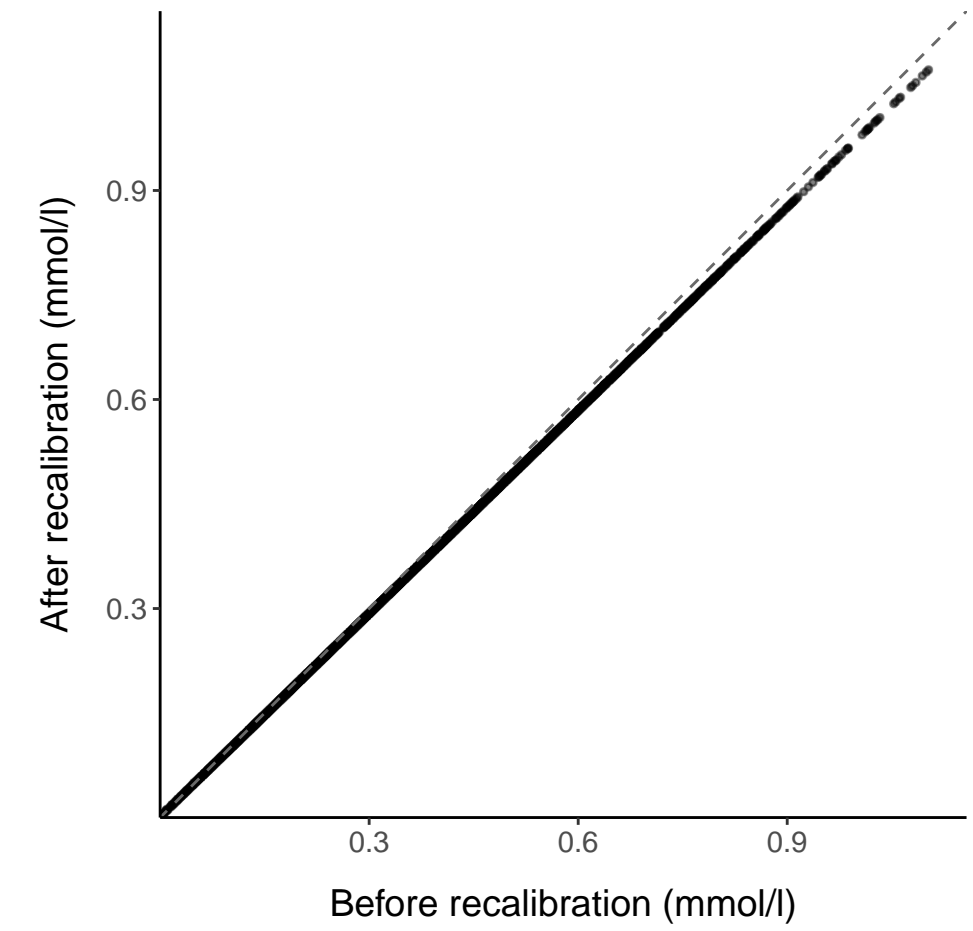
## L\_HDL\_PL

R: 1  
 $y = 0.00 + 0.97x$



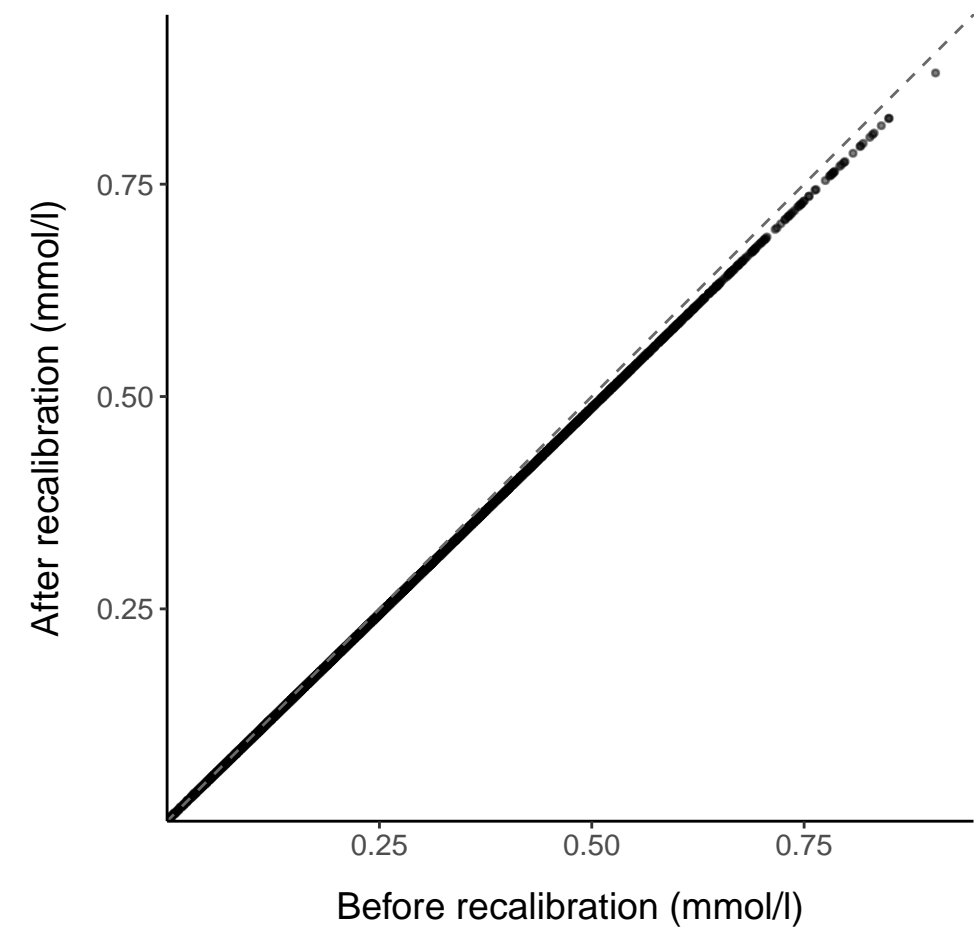
## L\_HDL\_C

R: 1  
 $y = 0.00 + 0.97x$



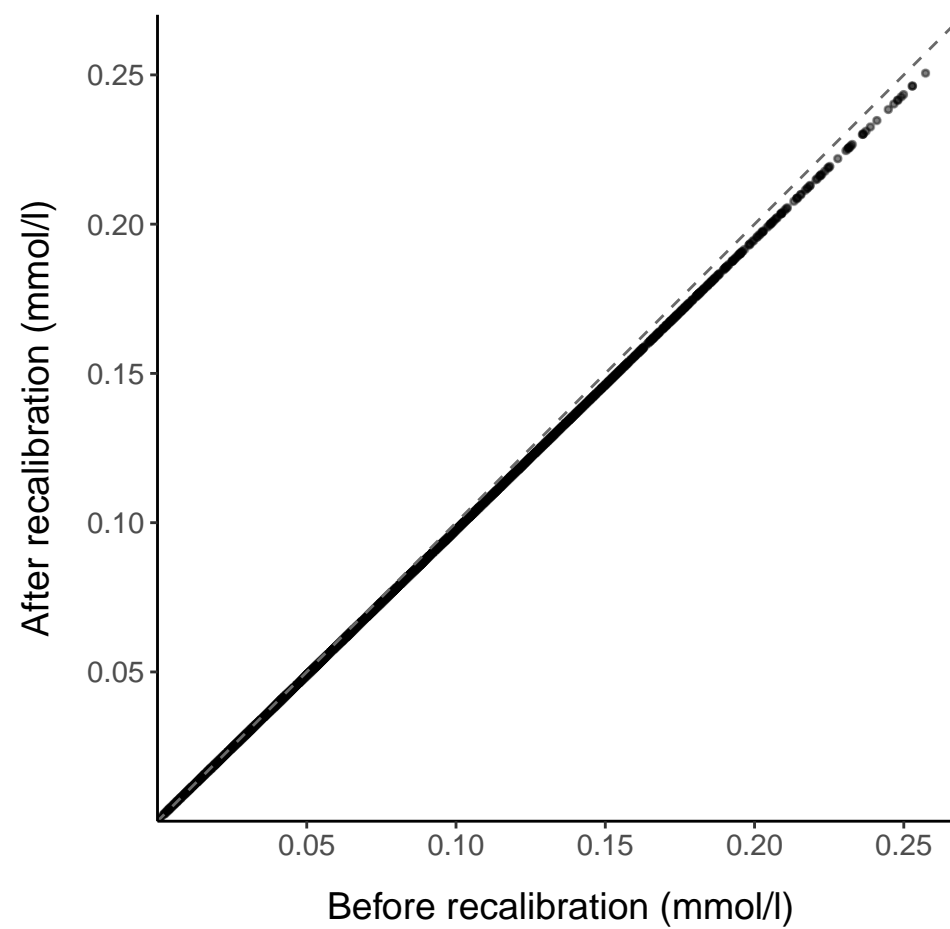
## L\_HDL\_CE

R: 1  
 $y = 0.00 + 0.97x$



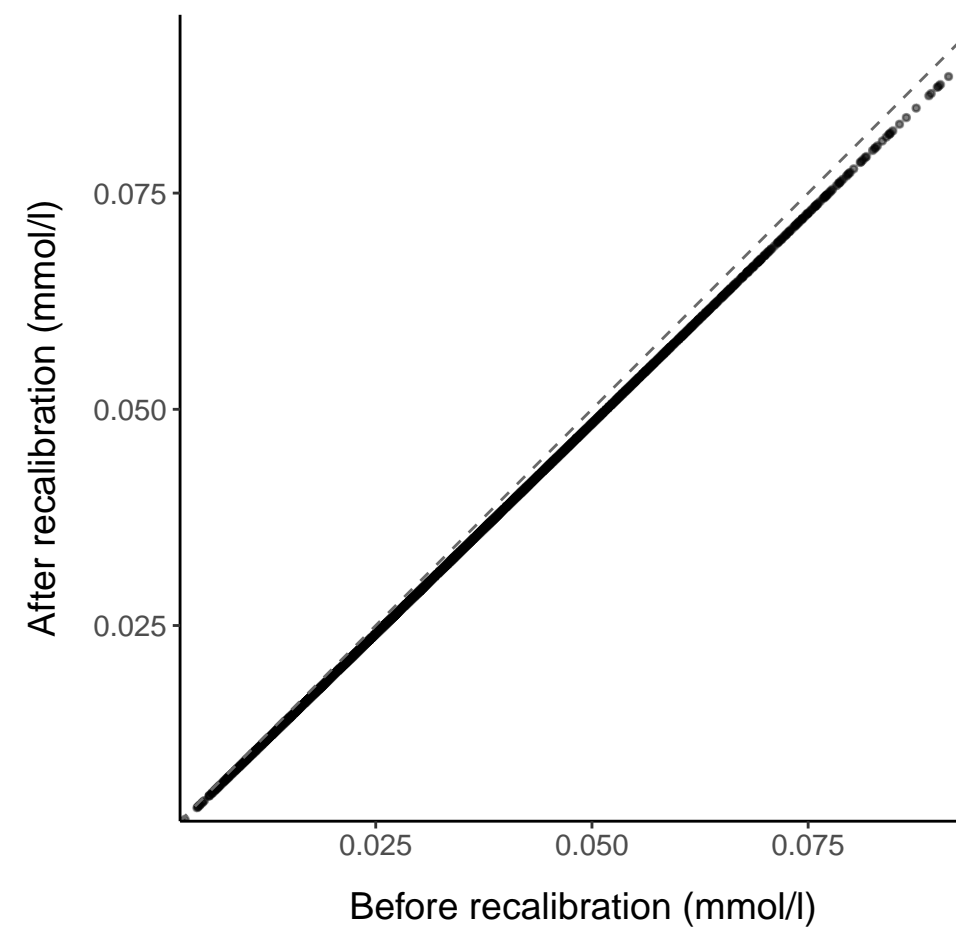
## L\_HDL\_FC

R: 1  
 $y = 0.00 + 0.97x$



## L\_HDL\_TG

R: 1  
 $y = -0.00 + 0.97x$

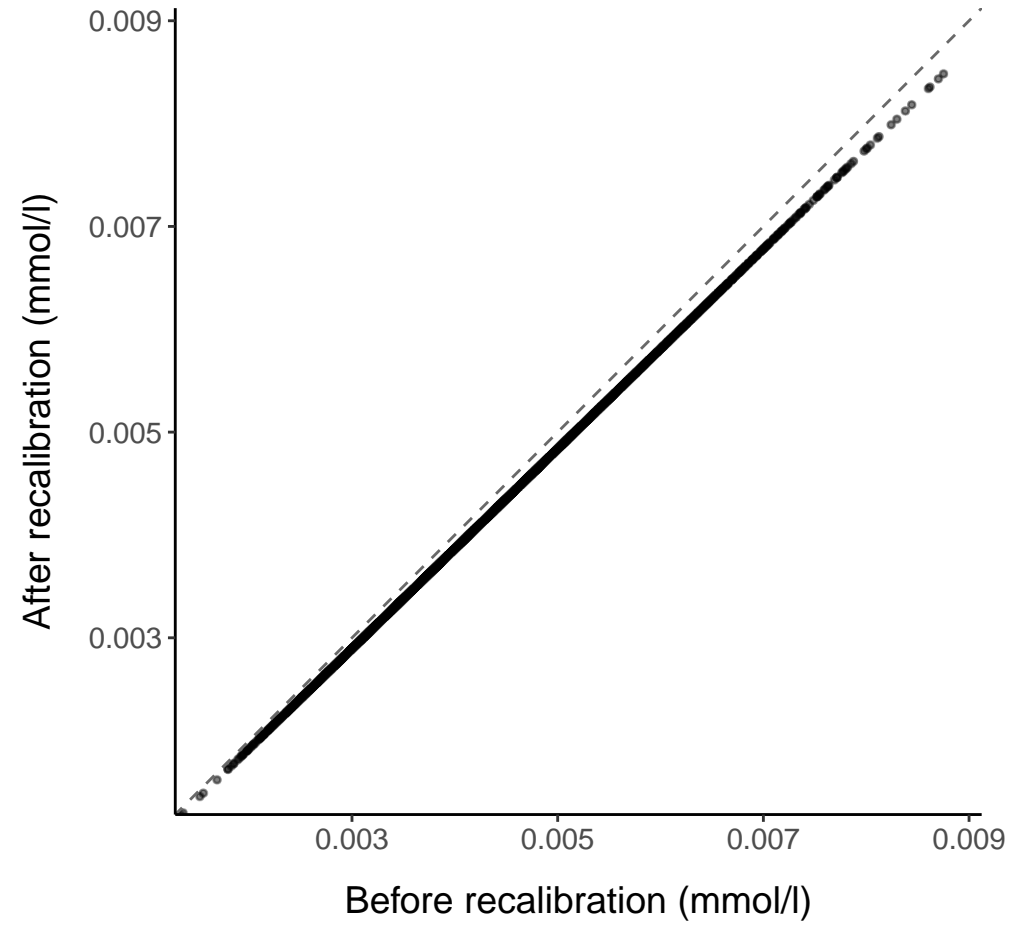




# Medium HDL (average diameter 10.9 nm)

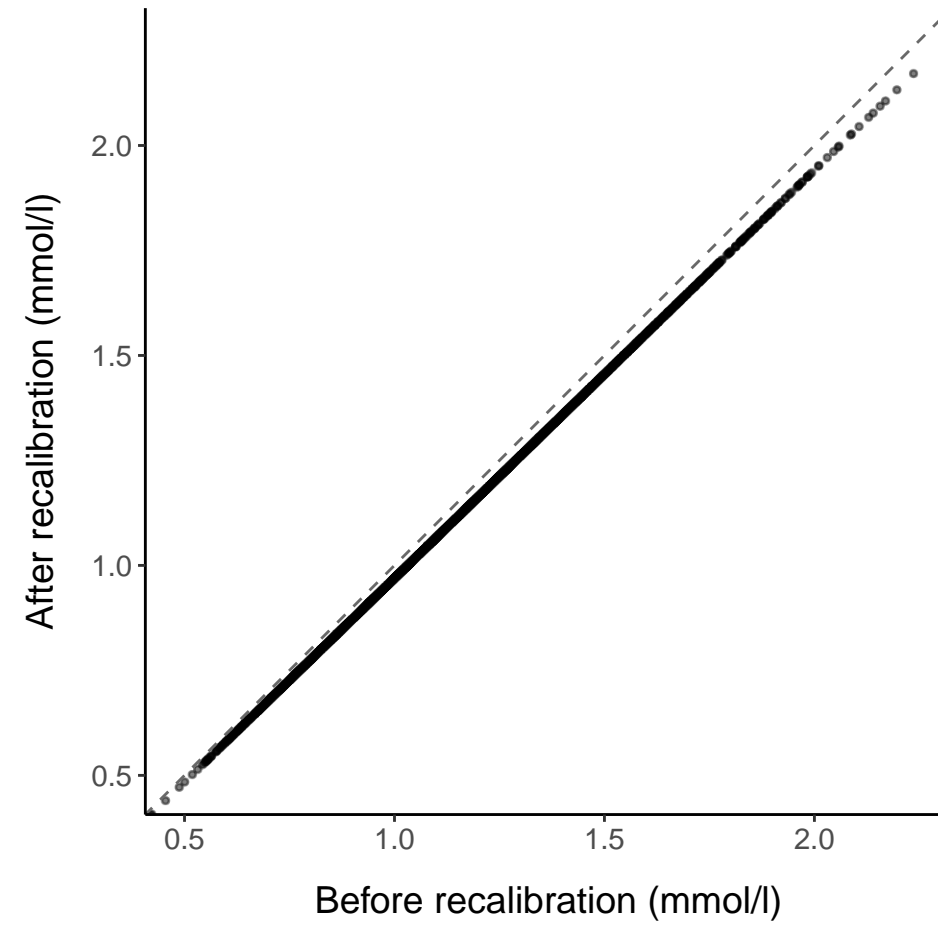
## M\_HDL\_P

R: 1  
 $y = -0.00 + 0.97x$



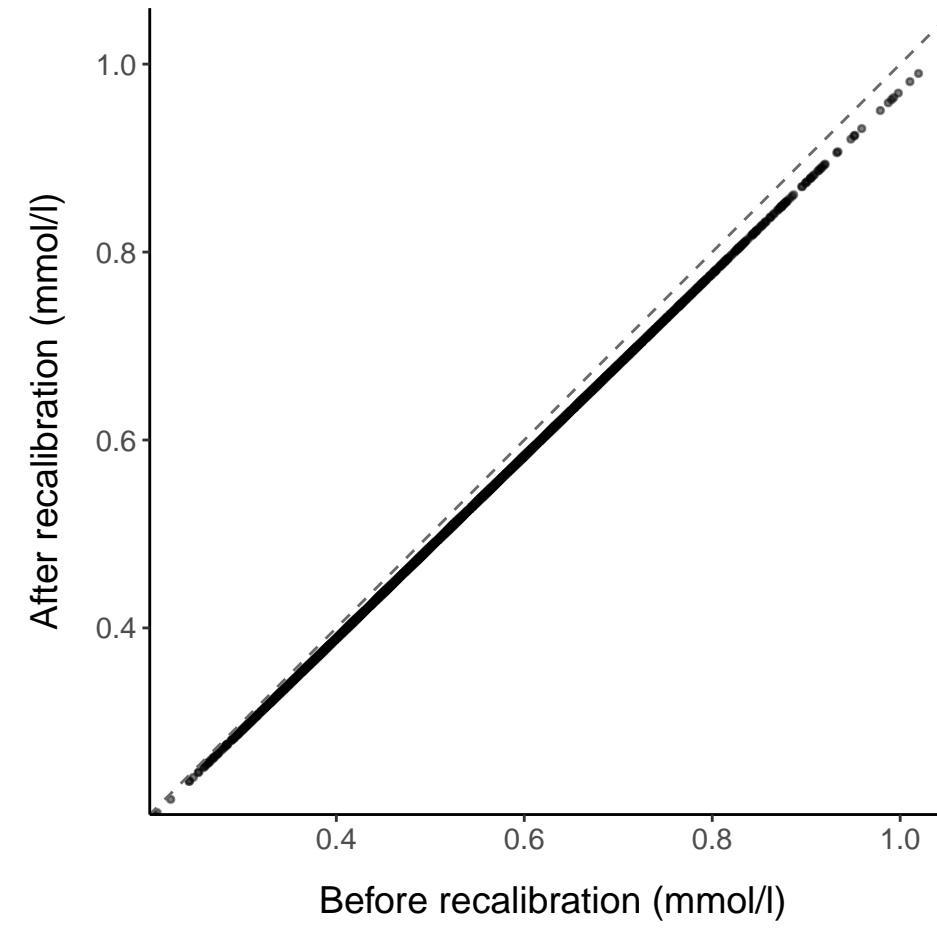
## M\_HDL\_L

R: 1  
 $y = -0.00 + 0.97x$



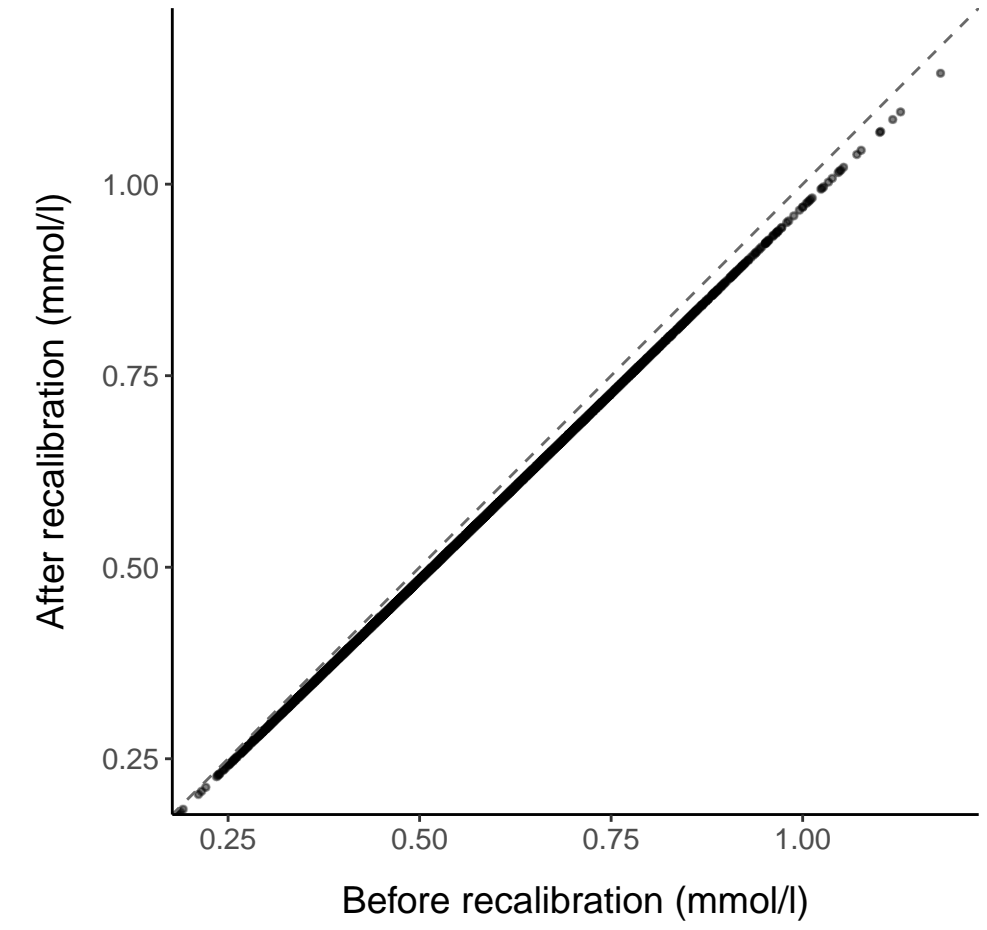
## M\_HDL\_PL

R: 1  
 $y = -0.00 + 0.97x$



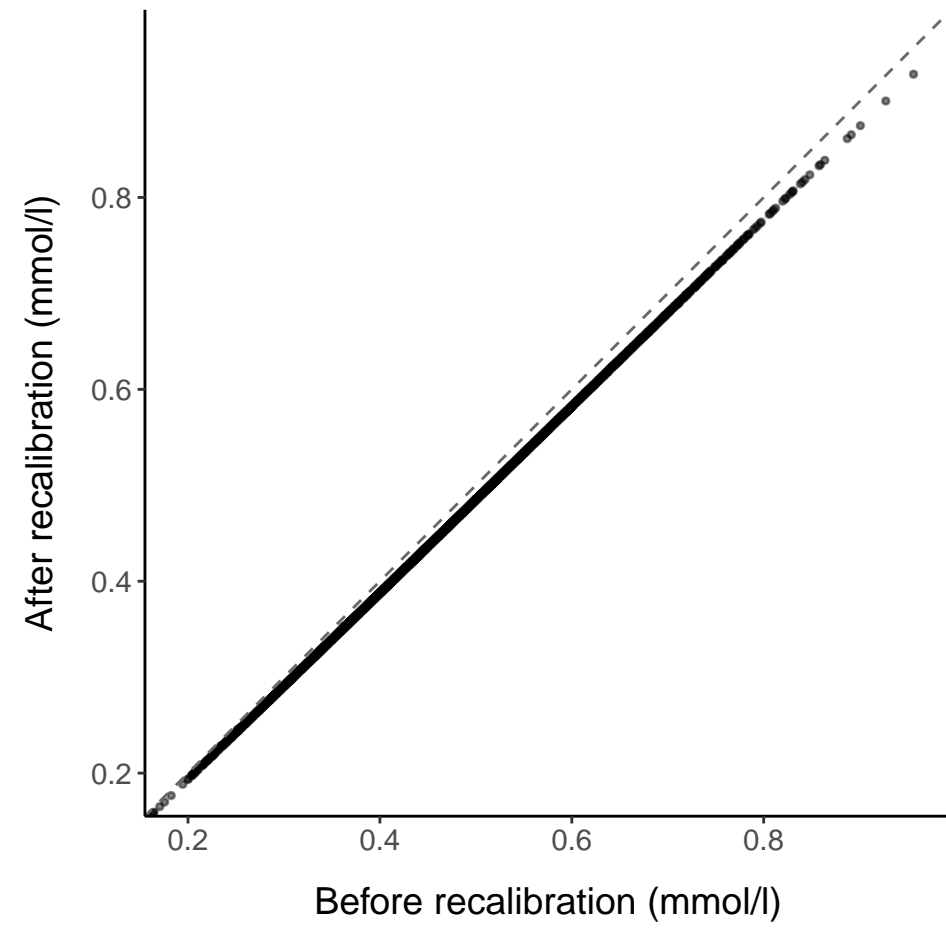
## M\_HDL\_C

R: 1  
 $y = -0.00 + 0.97x$



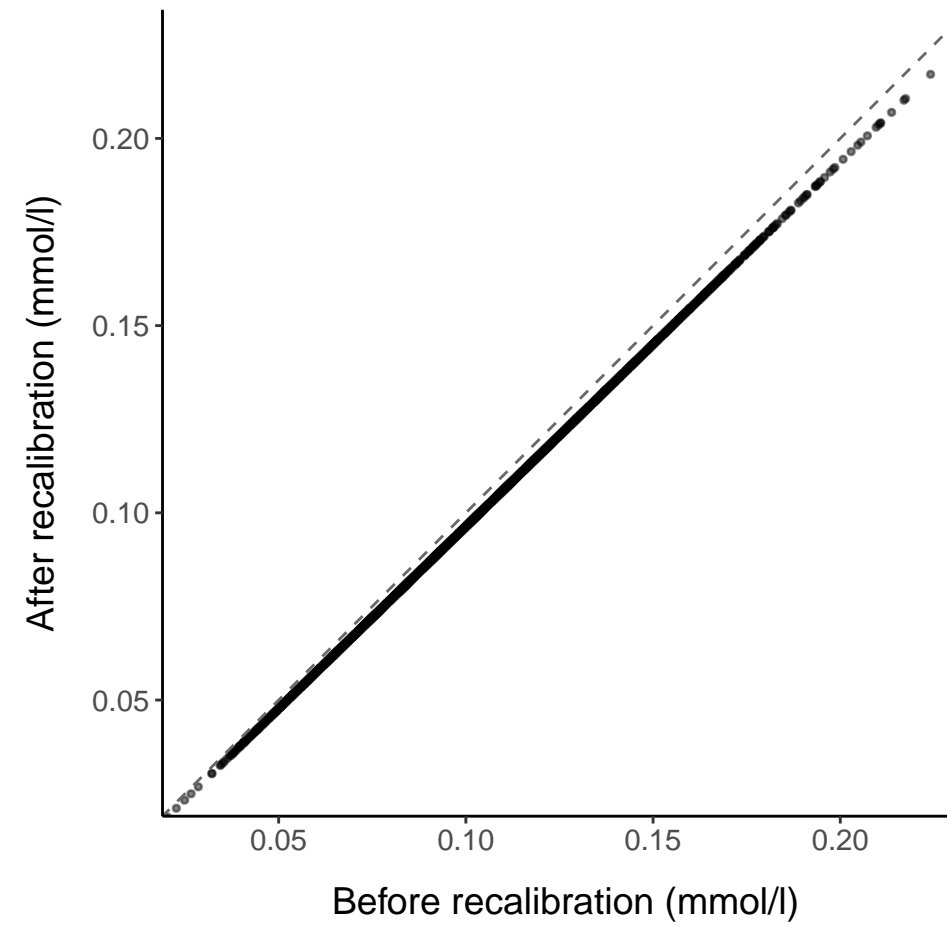
## M\_HDL\_CE

R: 1  
 $y = -0.00 + 0.97x$



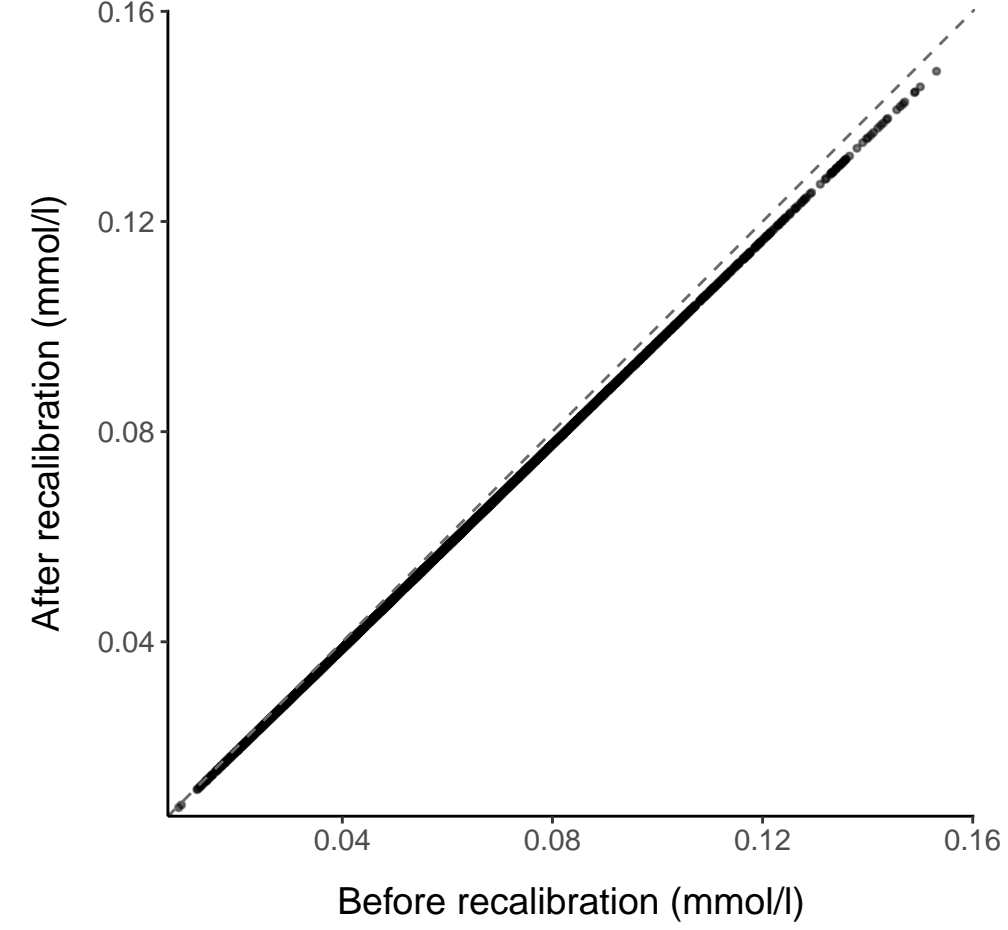
## M\_HDL\_FC

R: 1  
 $y = -0.00 + 0.97x$



## M\_HDL\_TG

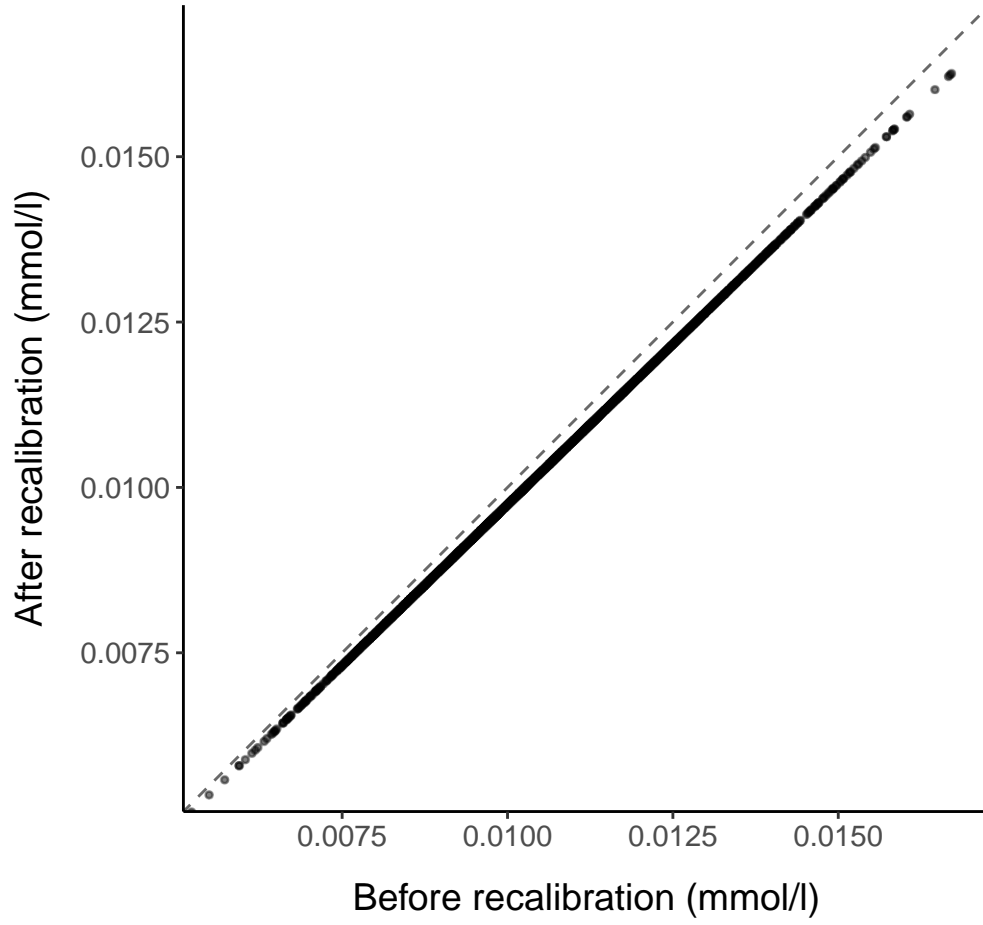
R: 1  
 $y = -0.00 + 0.97x$



# Small HDL (average diameter 8.7 nm)

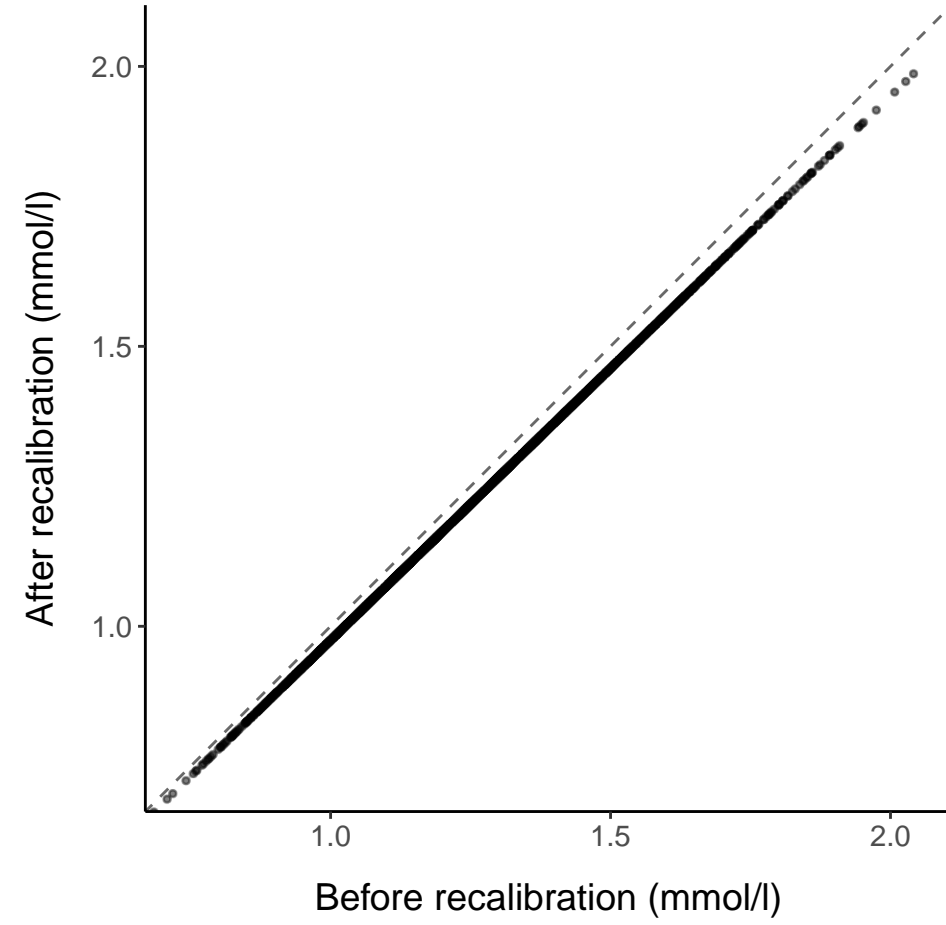
### S\_HDL\_P

R: 1  
 $y = 0.00 + 0.97x$



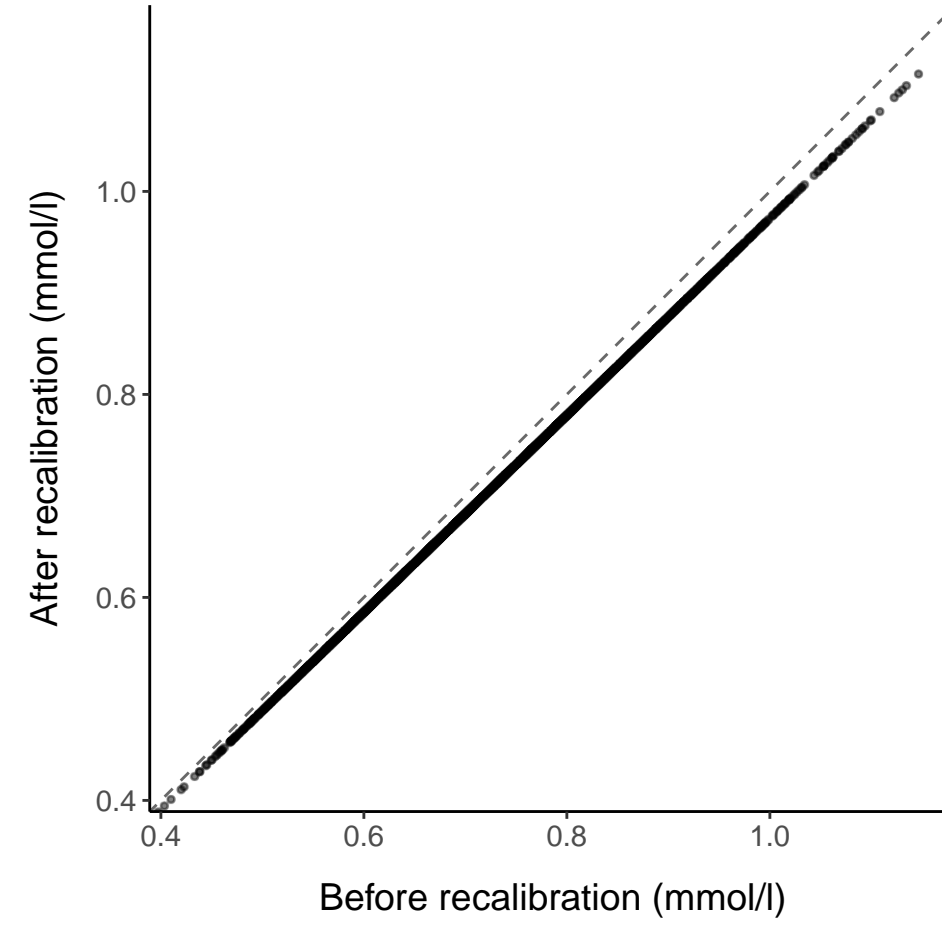
### S\_HDL\_L

R: 1  
 $y = 0.00 + 0.97x$



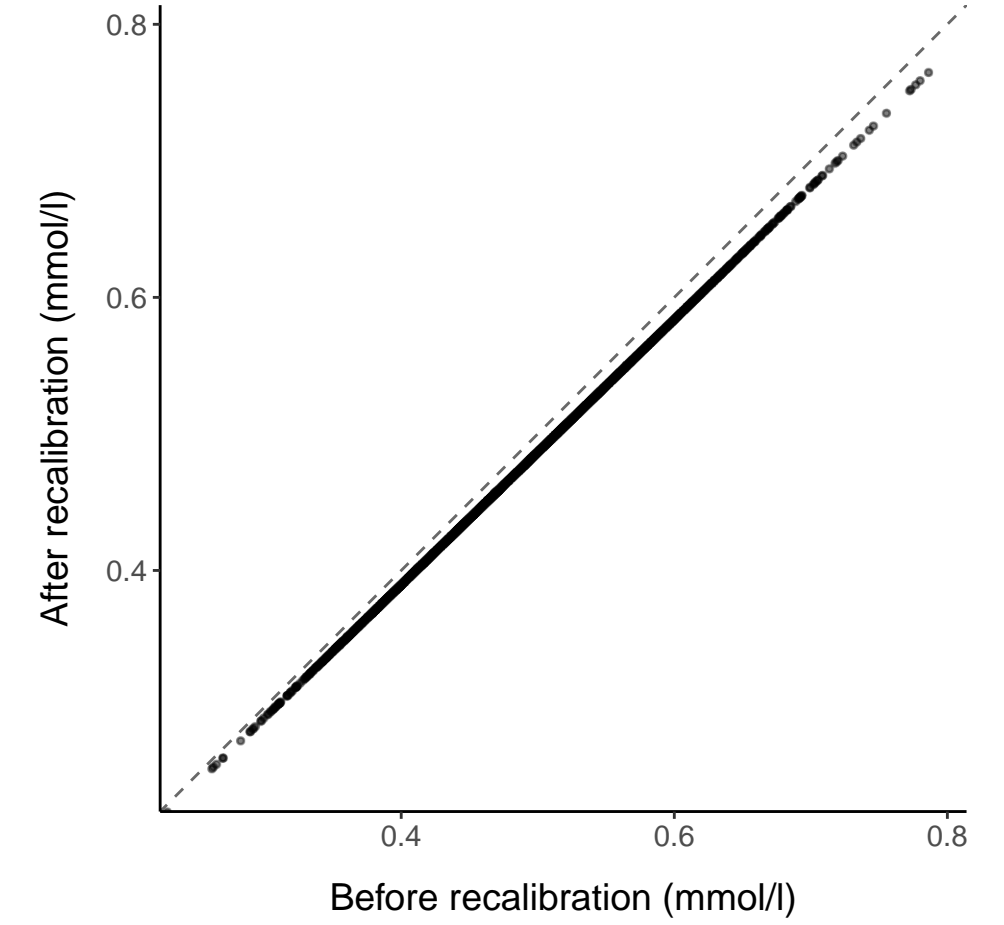
### S\_HDL\_PL

R: 1  
 $y = 0.00 + 0.97x$



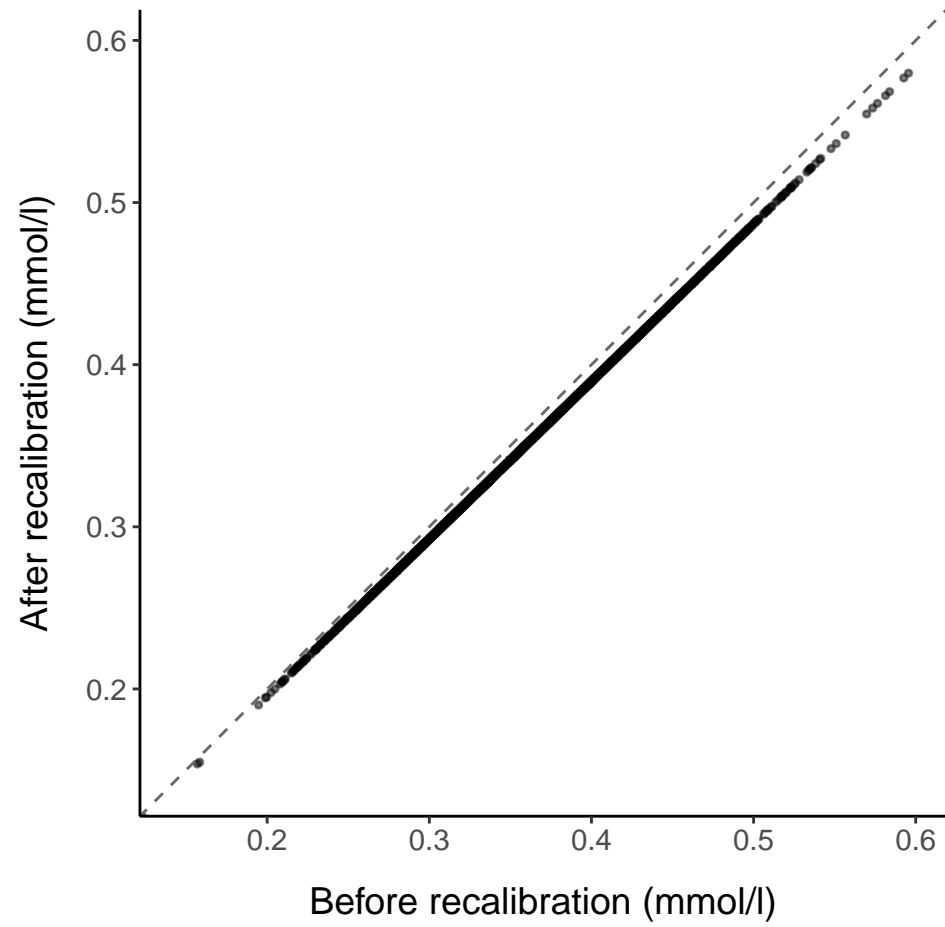
### S\_HDL\_C

R: 1  
 $y = 0.00 + 0.97x$



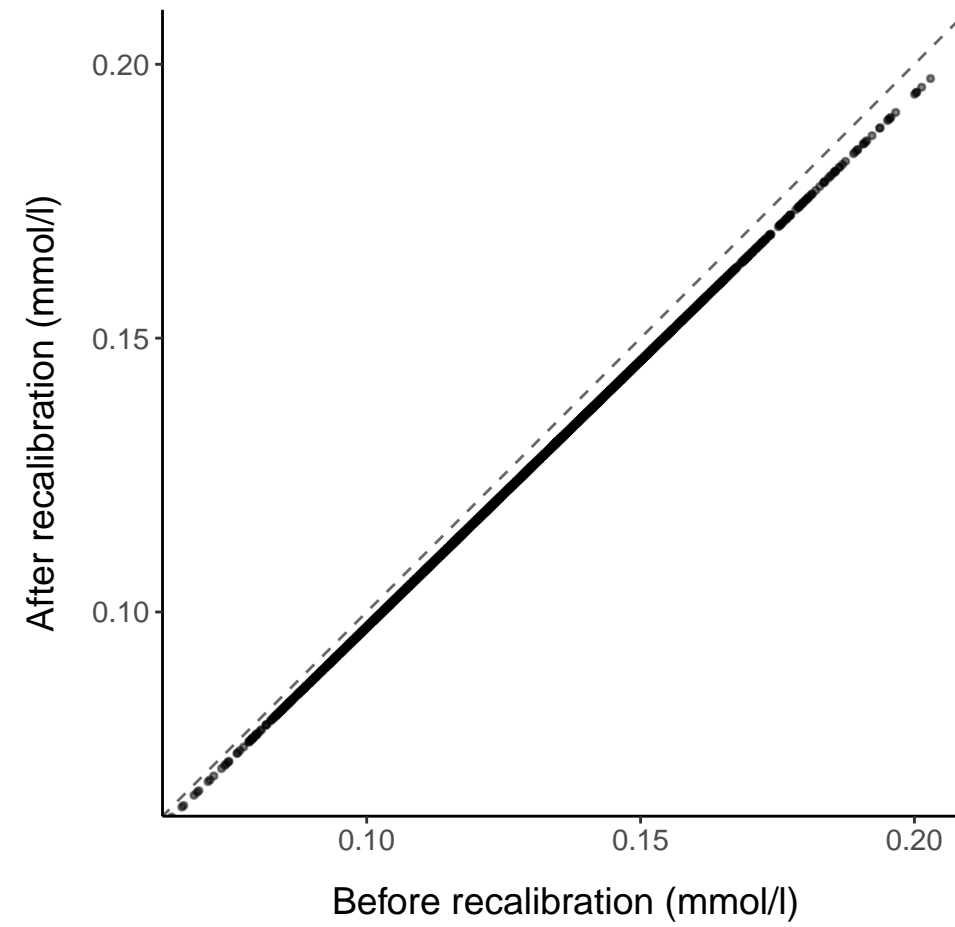
### S\_HDL\_CE

R: 1  
 $y = 0.00 + 0.97x$



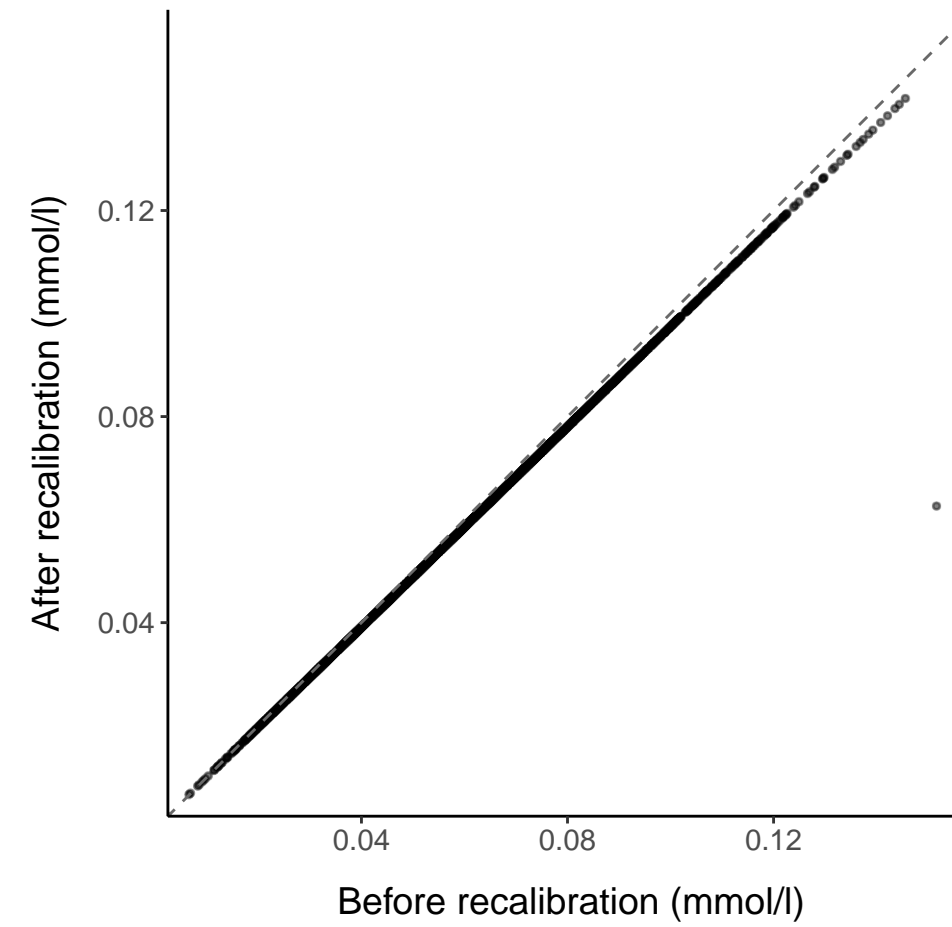
### S\_HDL\_FC

R: 1  
 $y = 0.00 + 0.97x$



### S\_HDL\_TG

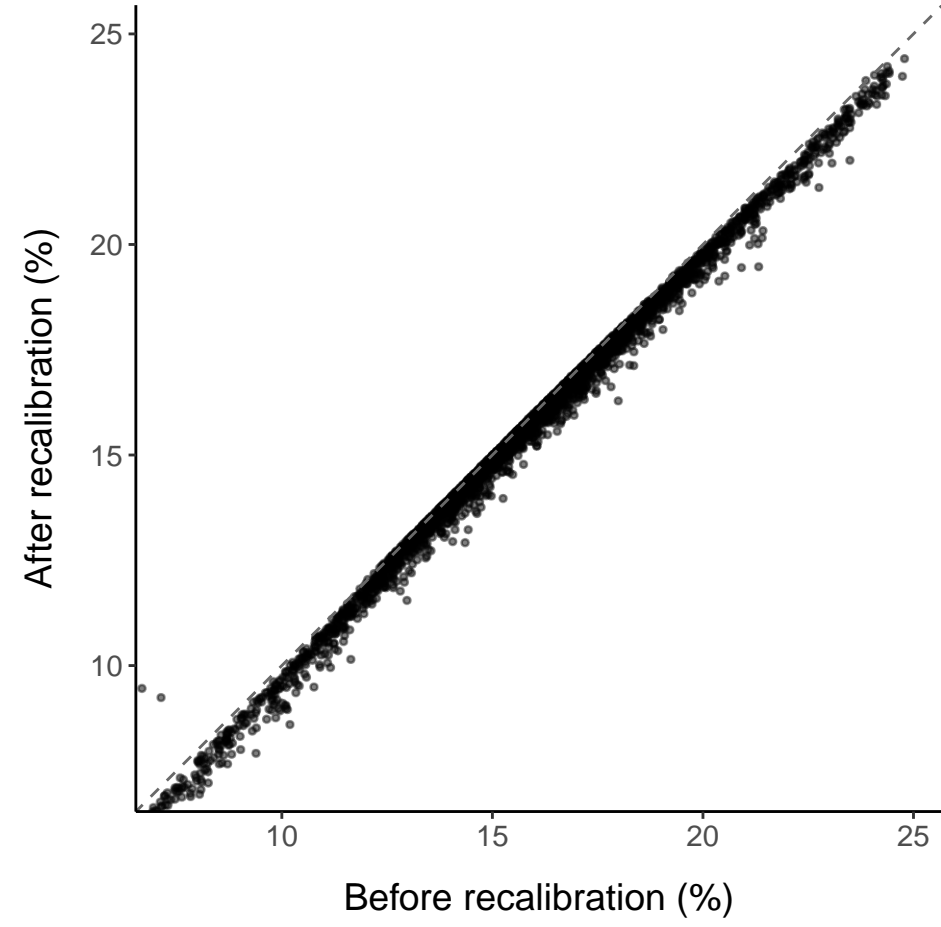
R: 1  
 $y = 0.00 + 0.97x$



# Chylomicrons and extremely large VLDL ratios

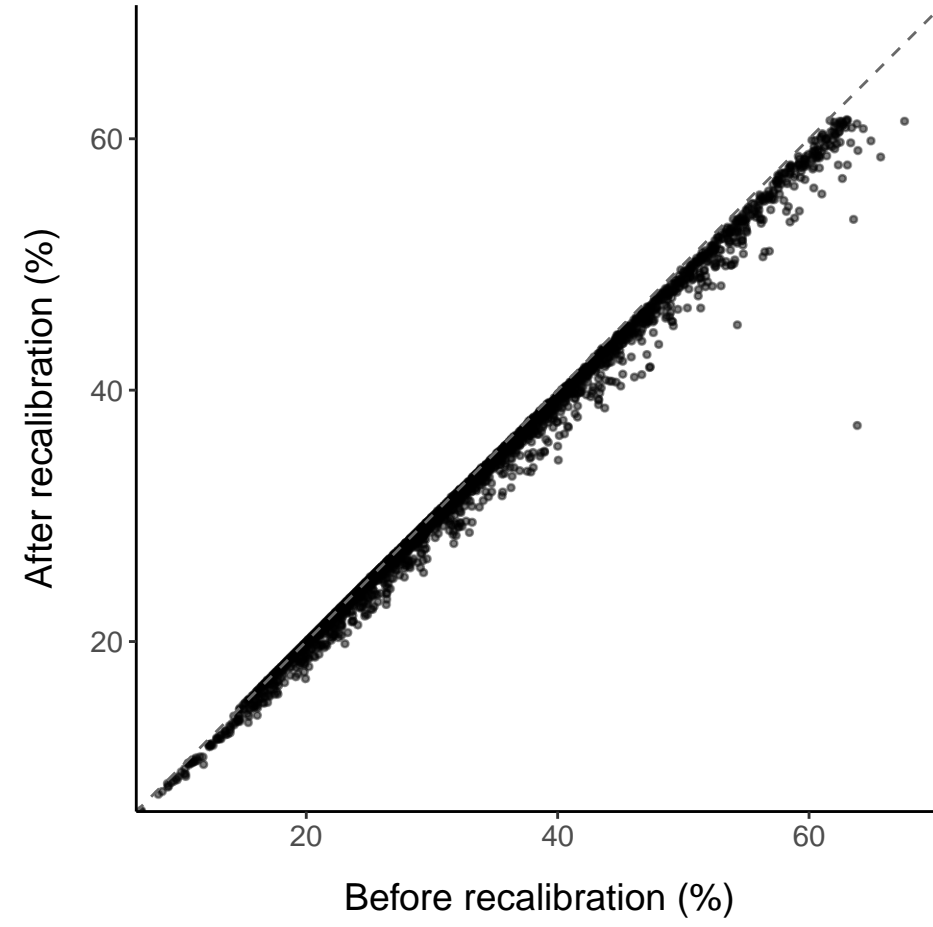
### XXL\_VLDL\_PL\_pct

R: 1  
 $y = -0.07 + 0.99x$



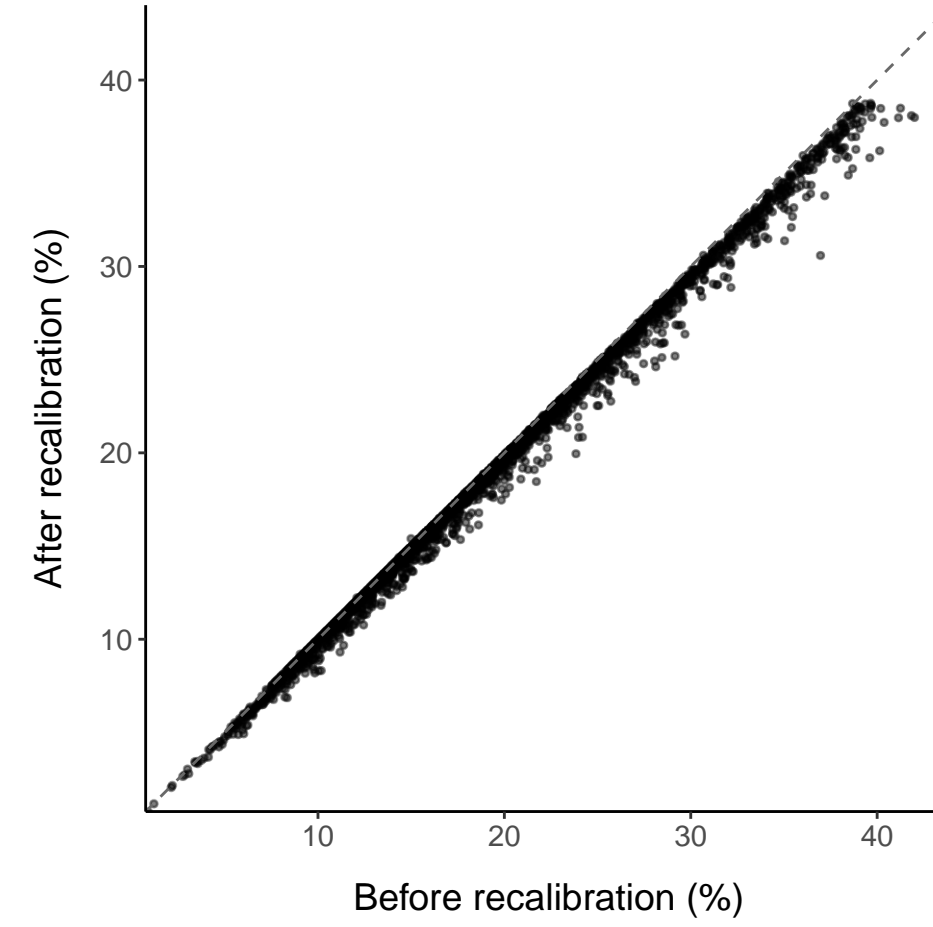
### XXL\_VLDL\_C\_pct

R: 1  
 $y = 0.78 + 0.96x$



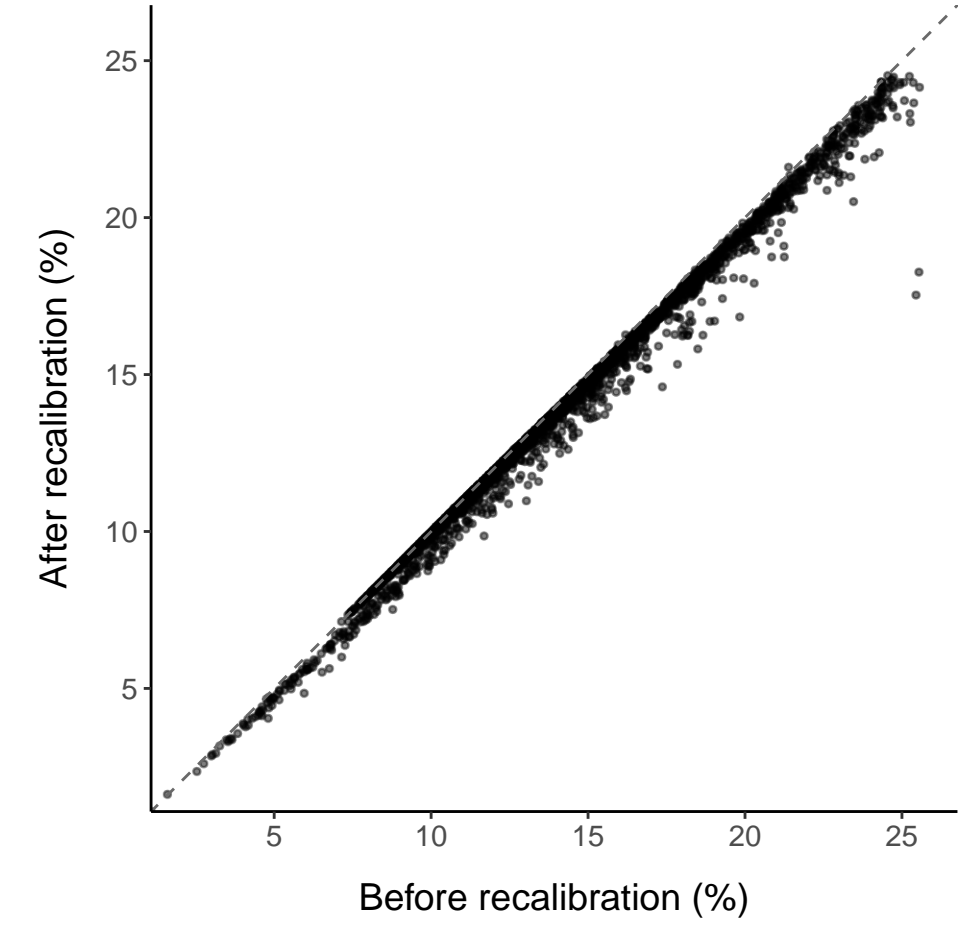
### XXL\_VLDL\_CE\_pct

R: 1  
 $y = 0.30 + 0.97x$



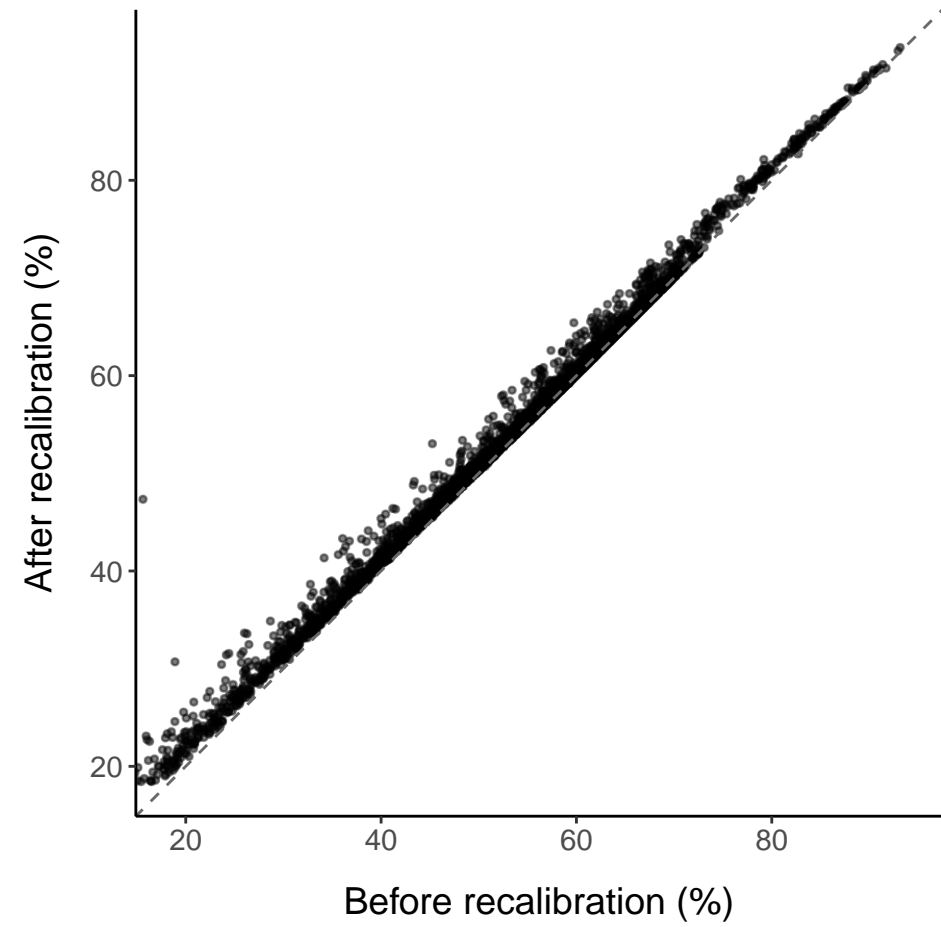
### XXL\_VLDL\_FC\_pct

R: 1  
 $y = 0.36 + 0.96x$



### XXL\_VLDL\_TG\_pct

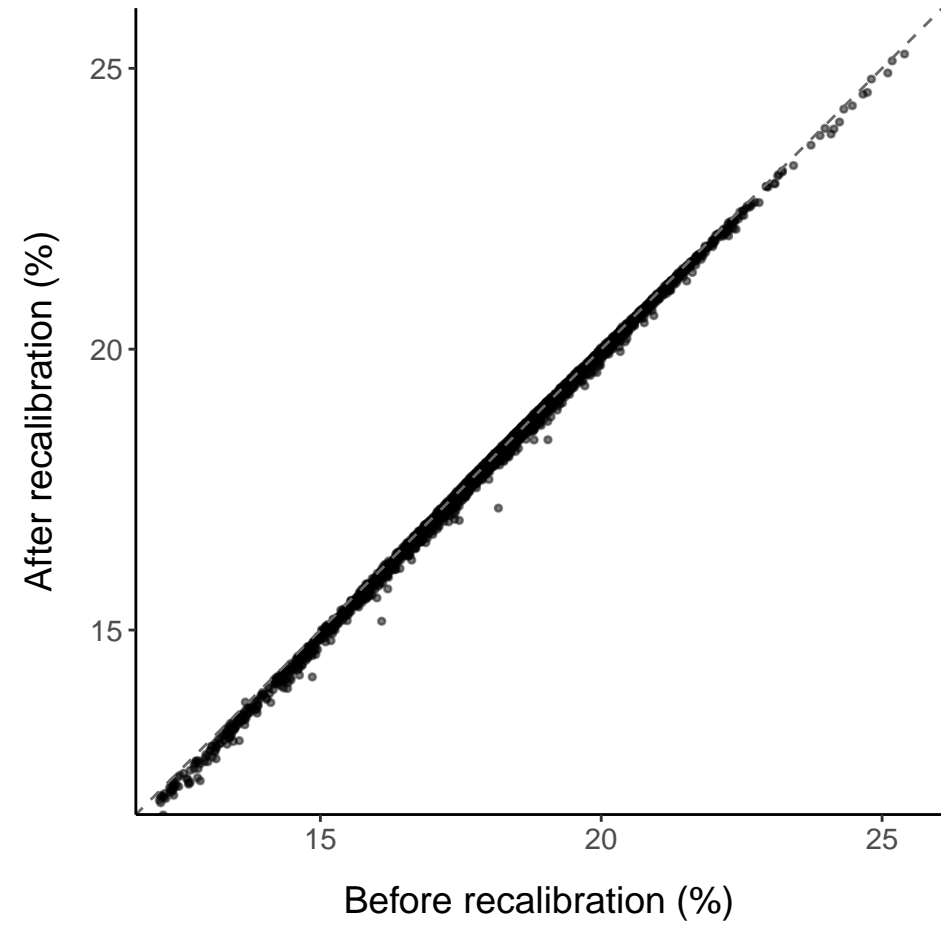
R: 1  
 $y = 2.64 + 0.96x$



# Very large VLDL ratios

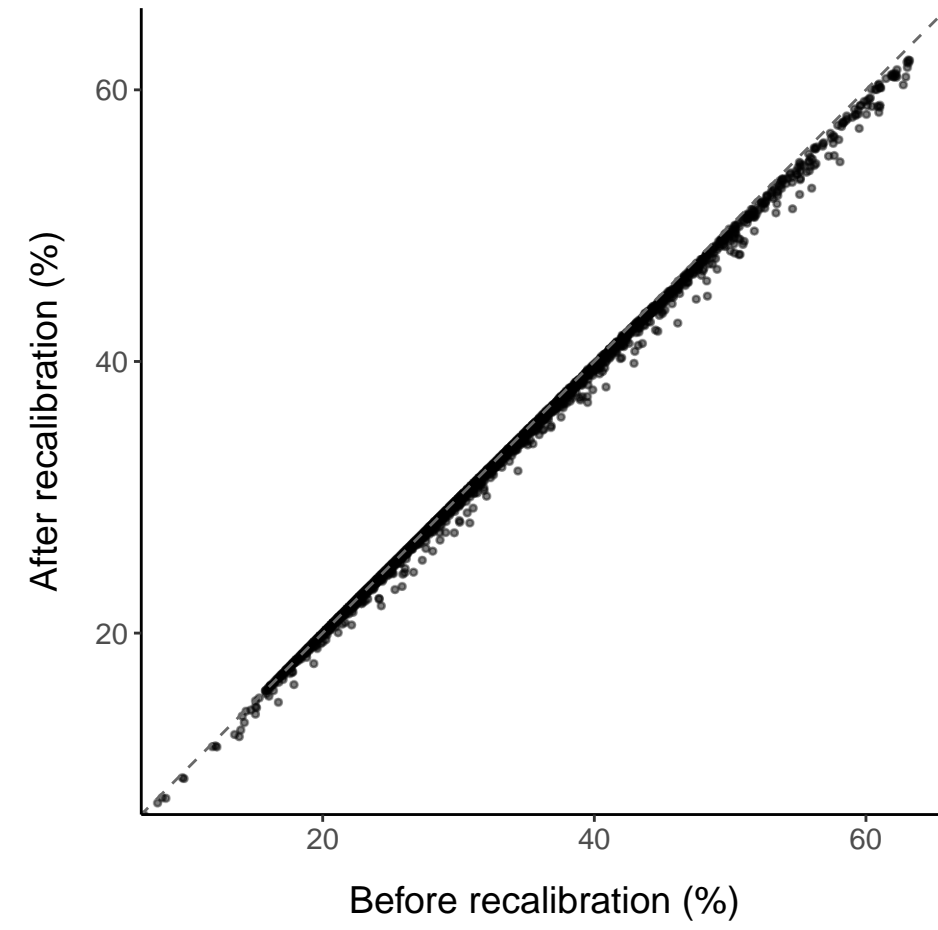
### XL\_VLDL\_PL\_pct

R: 1  
 $y = -0.31 + 1.01x$



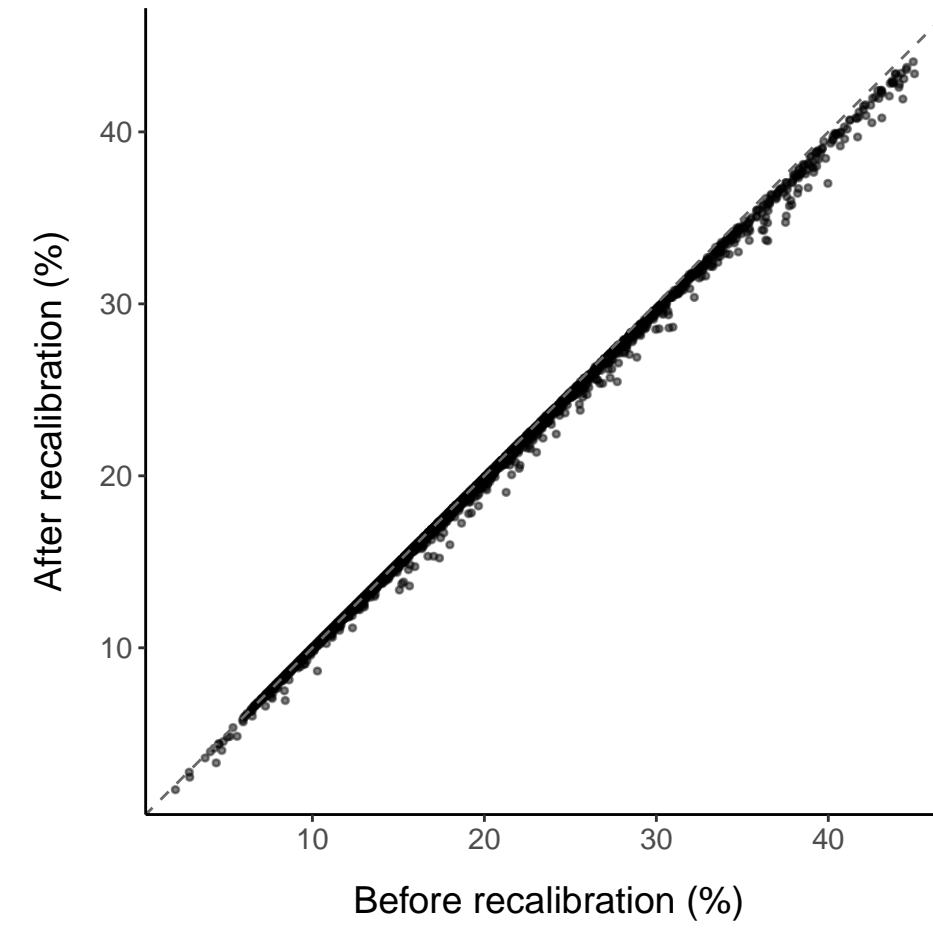
### XL\_VLDL\_C\_pct

R: 1  
 $y = 0.44 + 0.98x$



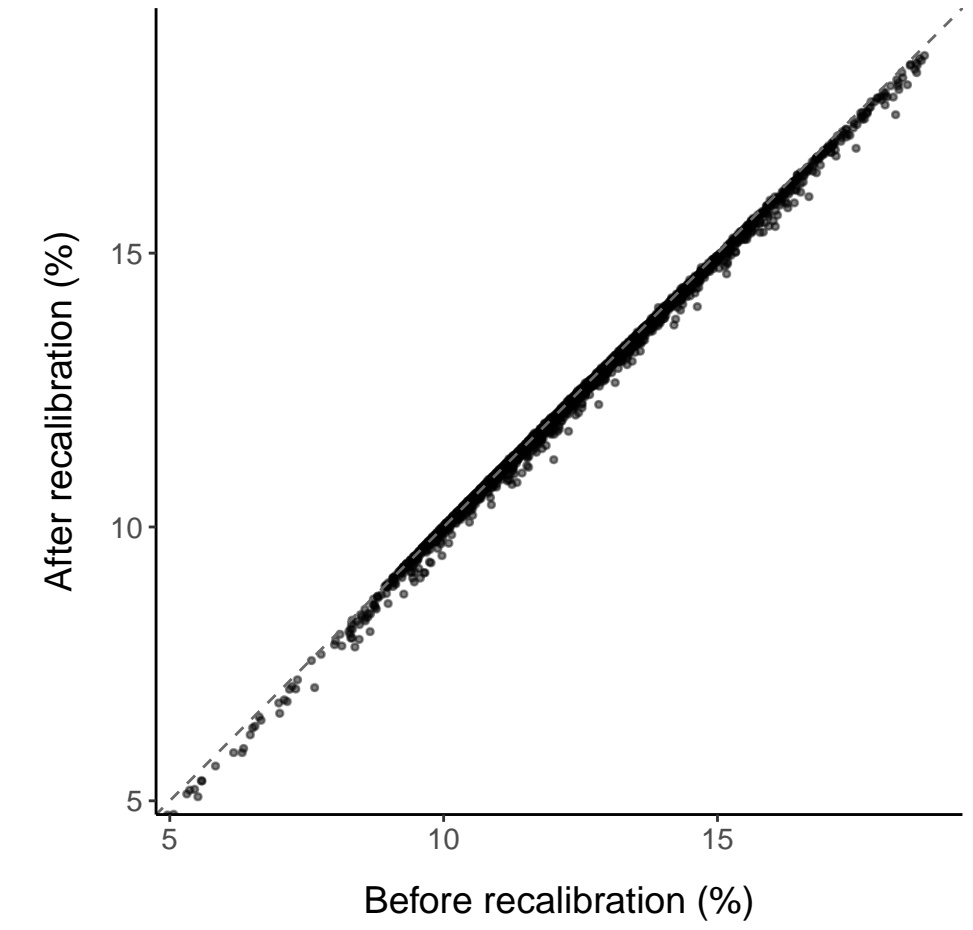
### XL\_VLDL\_CE\_pct

R: 1  
 $y = 0.21 + 0.98x$



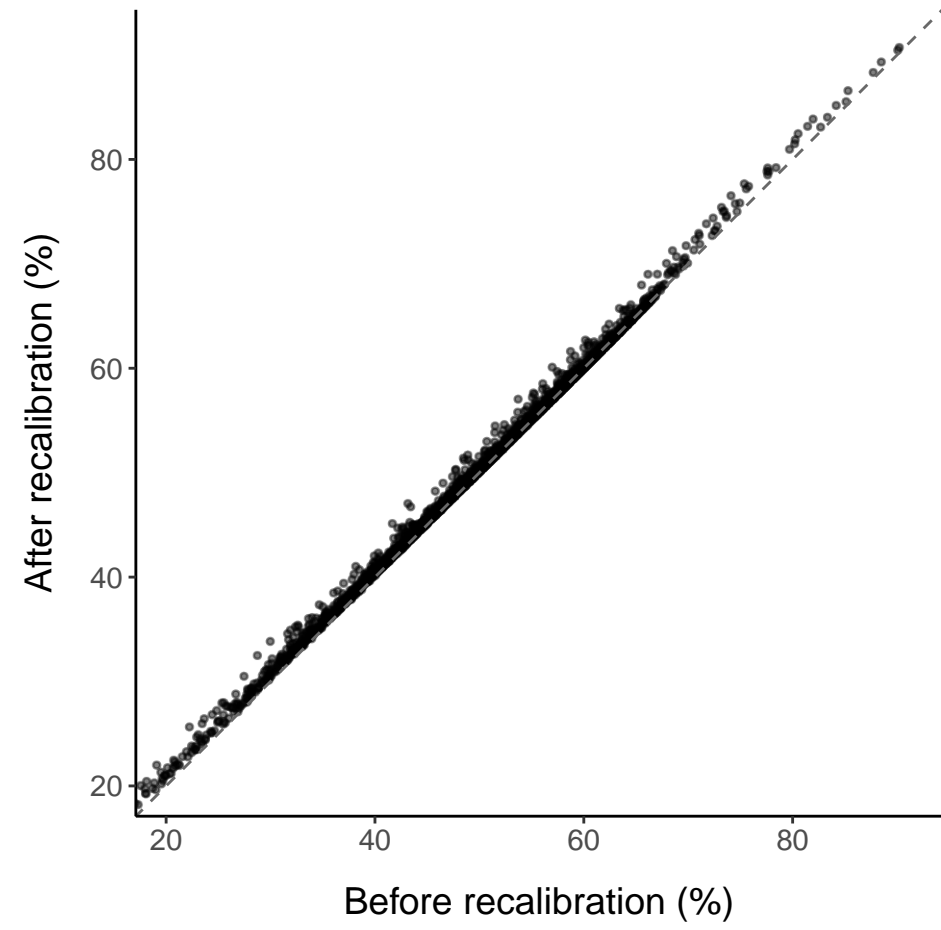
### XL\_VLDL\_FC\_pct

R: 1  
 $y = 0.12 + 0.99x$



### XL\_VLDL\_TG\_pct

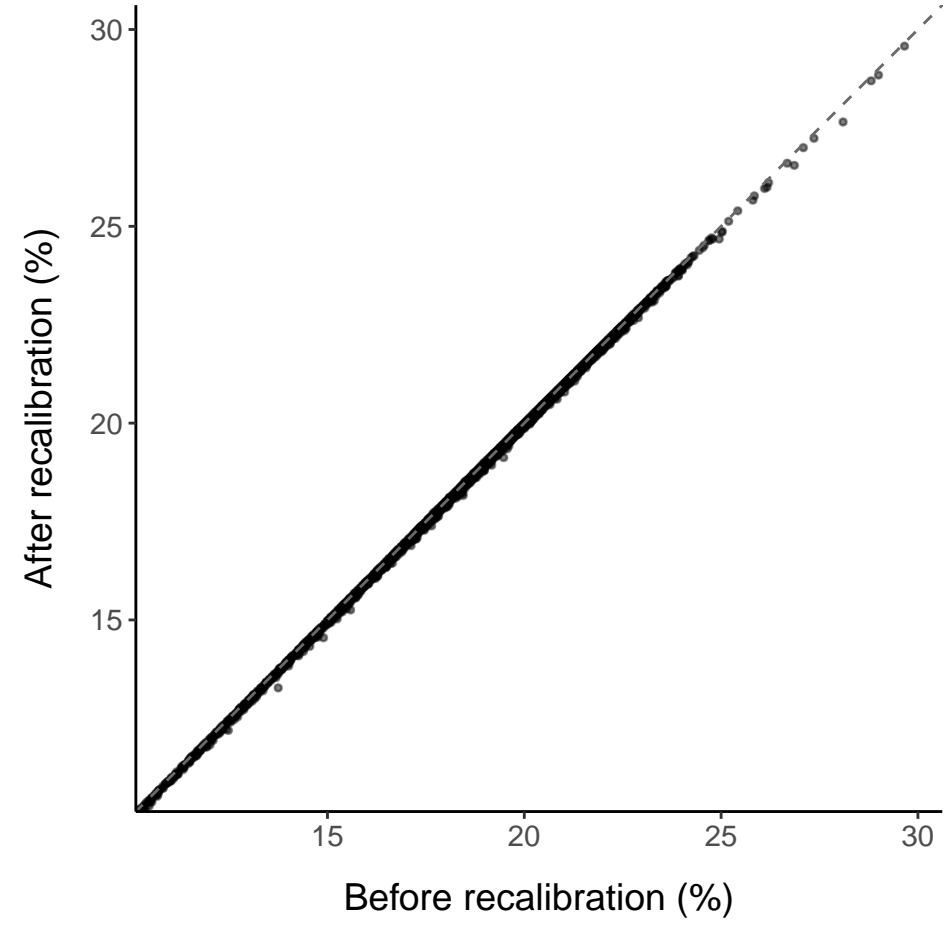
R: 1  
 $y = 1.26 + 0.98x$



# Large VLDL ratios

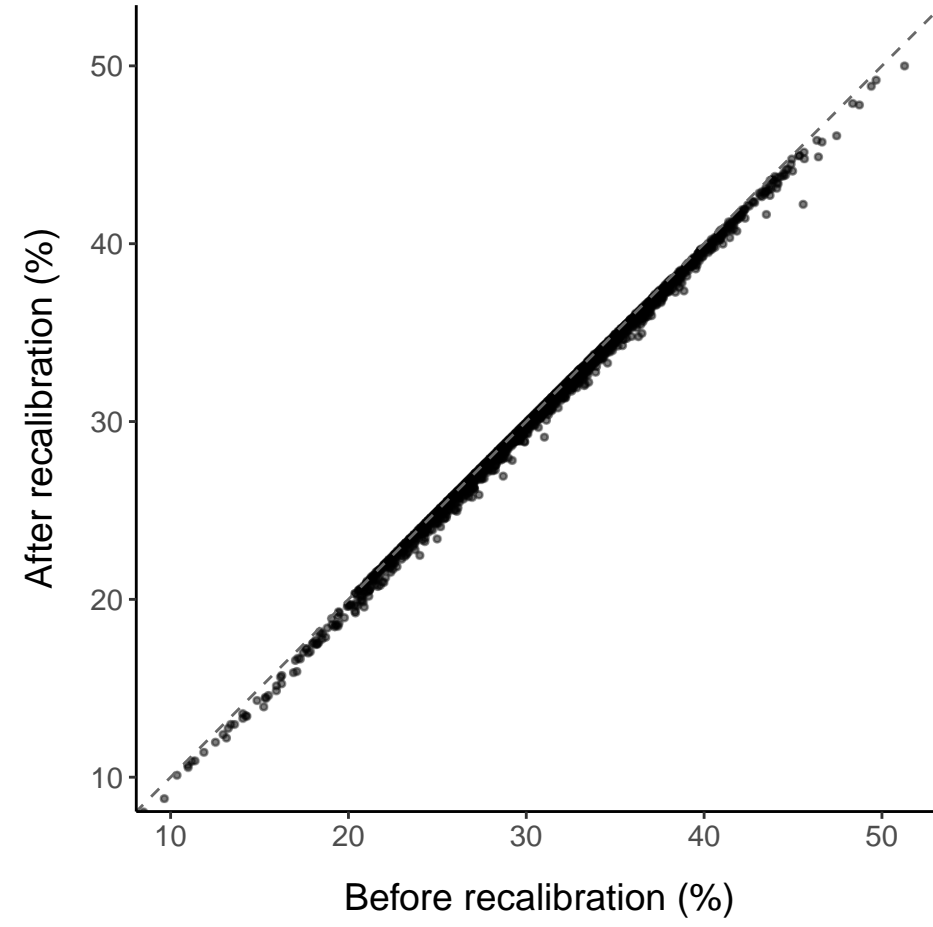
### L\_VLDL\_PL\_pct

R: 1  
 $y = -0.11 + 1.00x$



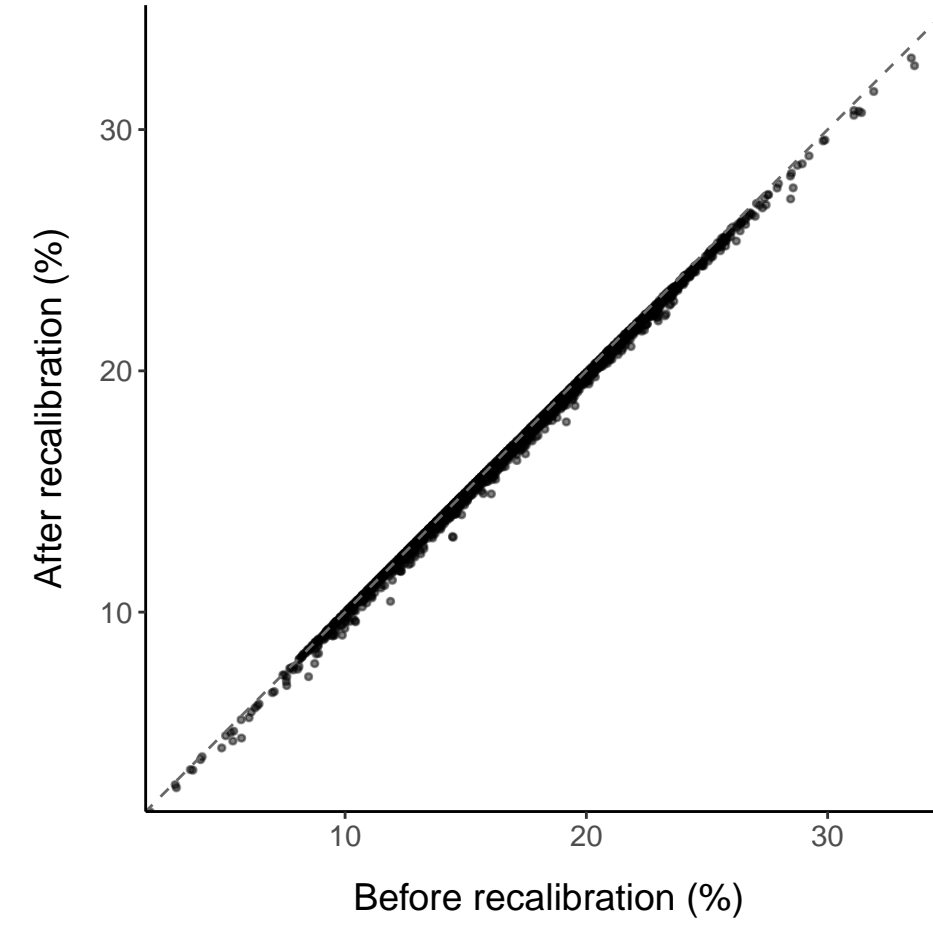
### L\_VLDL\_C\_pct

R: 1  
 $y = 0.16 + 0.99x$



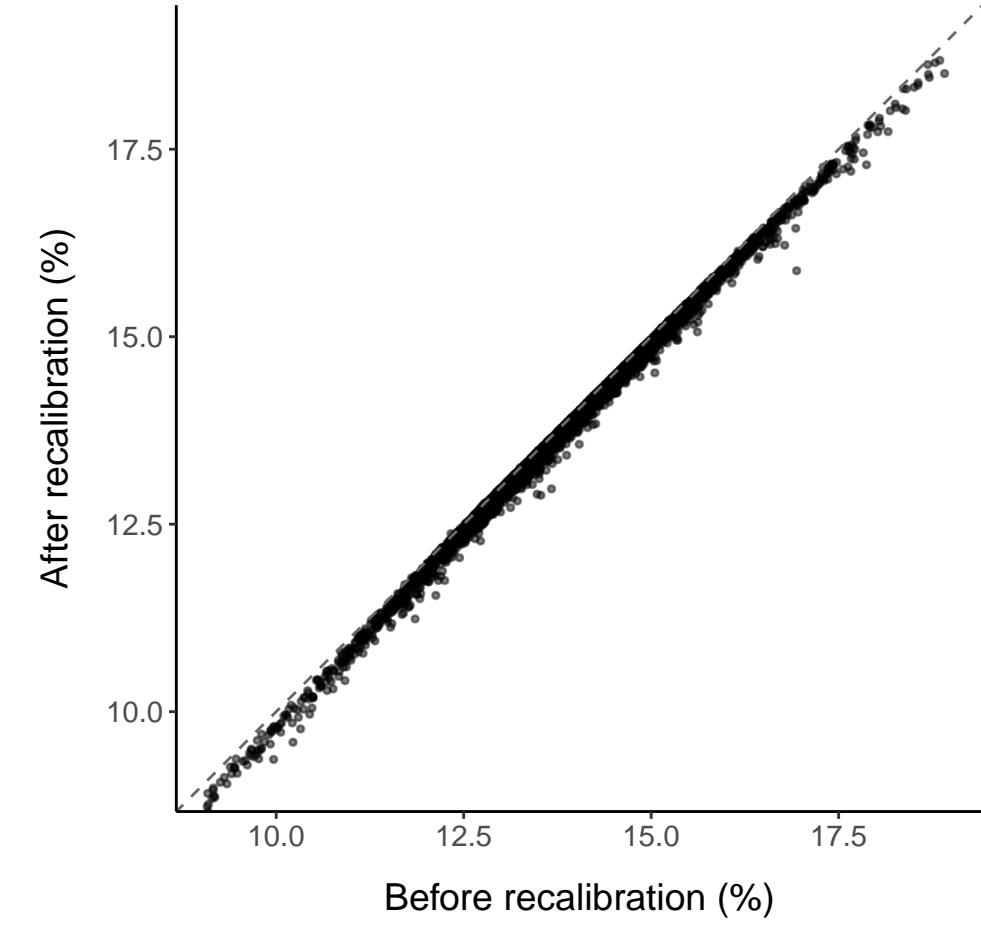
### L\_VLDL\_CE\_pct

R: 1  
 $y = 0.08 + 0.99x$



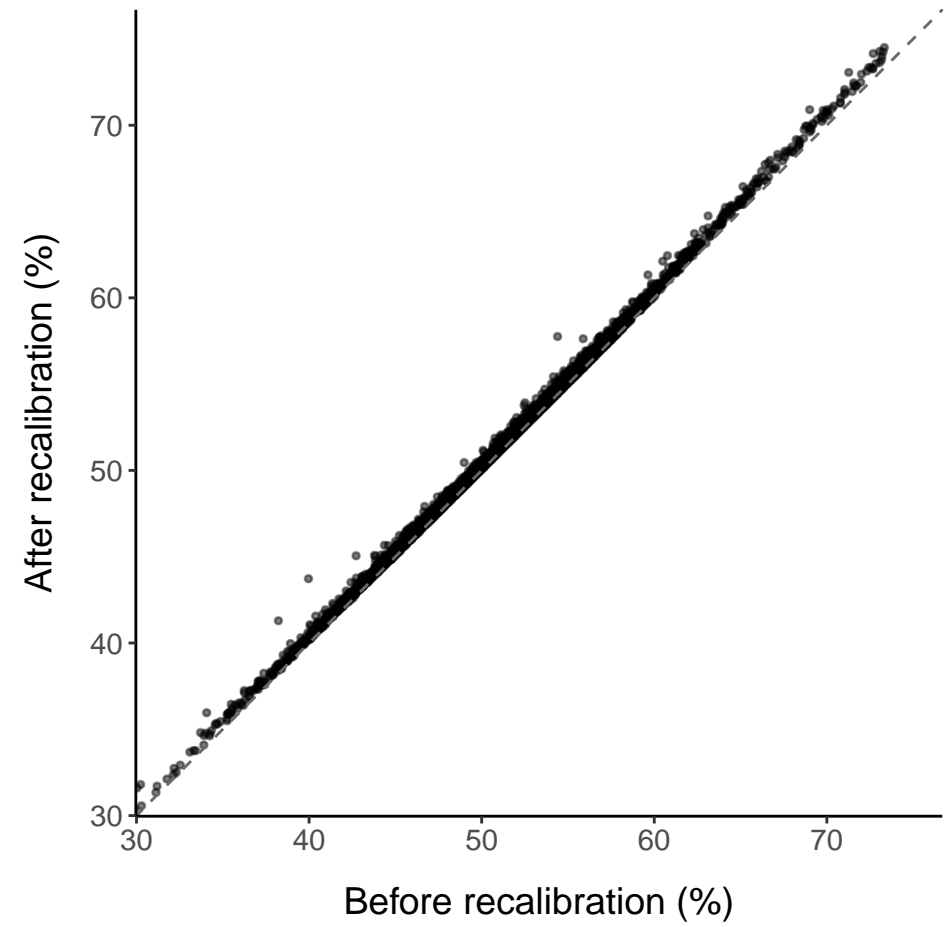
### L\_VLDL\_FC\_pct

R: 1  
 $y = -0.13 + 1.00x$



### L\_VLDL\_TG\_pct

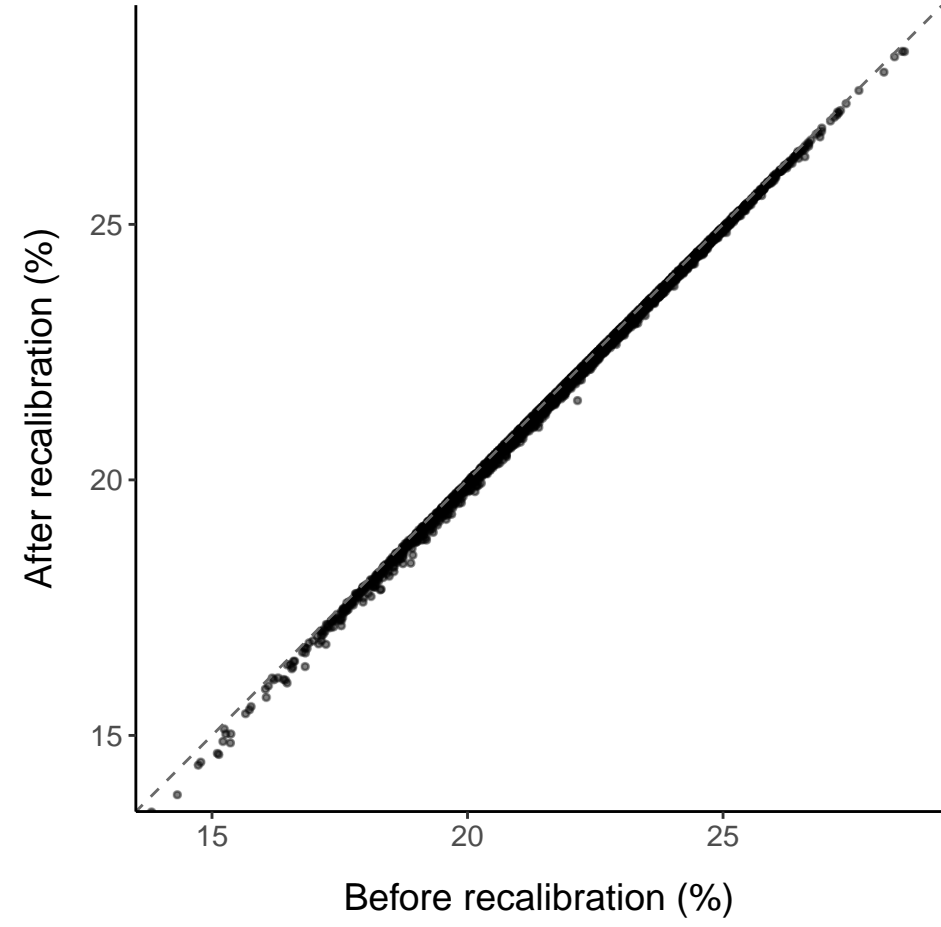
R: 1  
 $y = 0.17 + 1.00x$



# Medium VLDL ratios

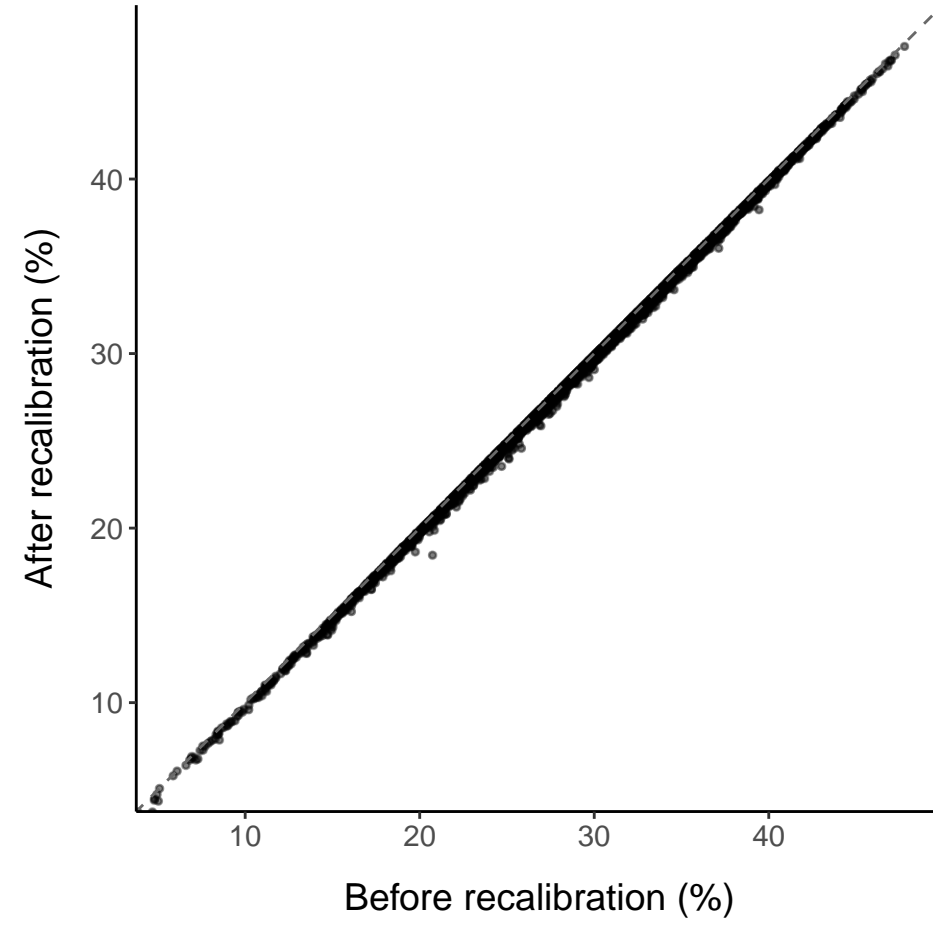
### M\_VLDL\_PL\_pct

R: 1  
 $y = -0.23 + 1.01x$



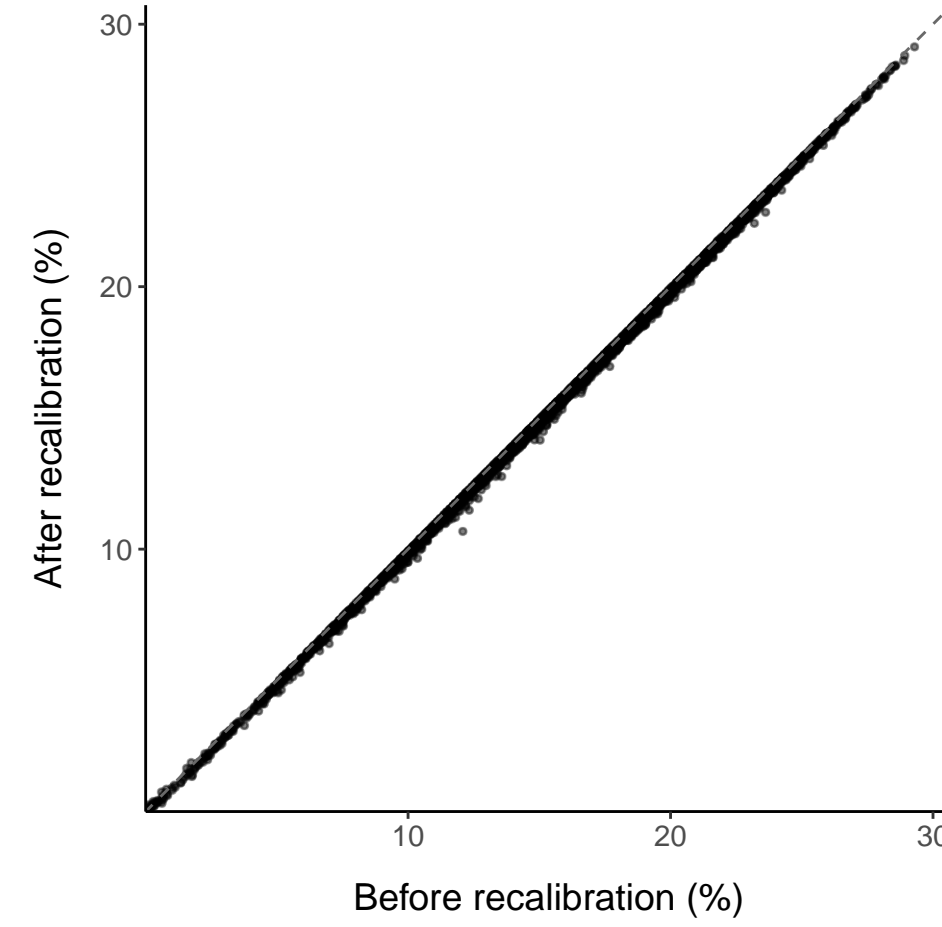
### M\_VLDL\_C\_pct

R: 1  
 $y = -0.26 + 1.00x$



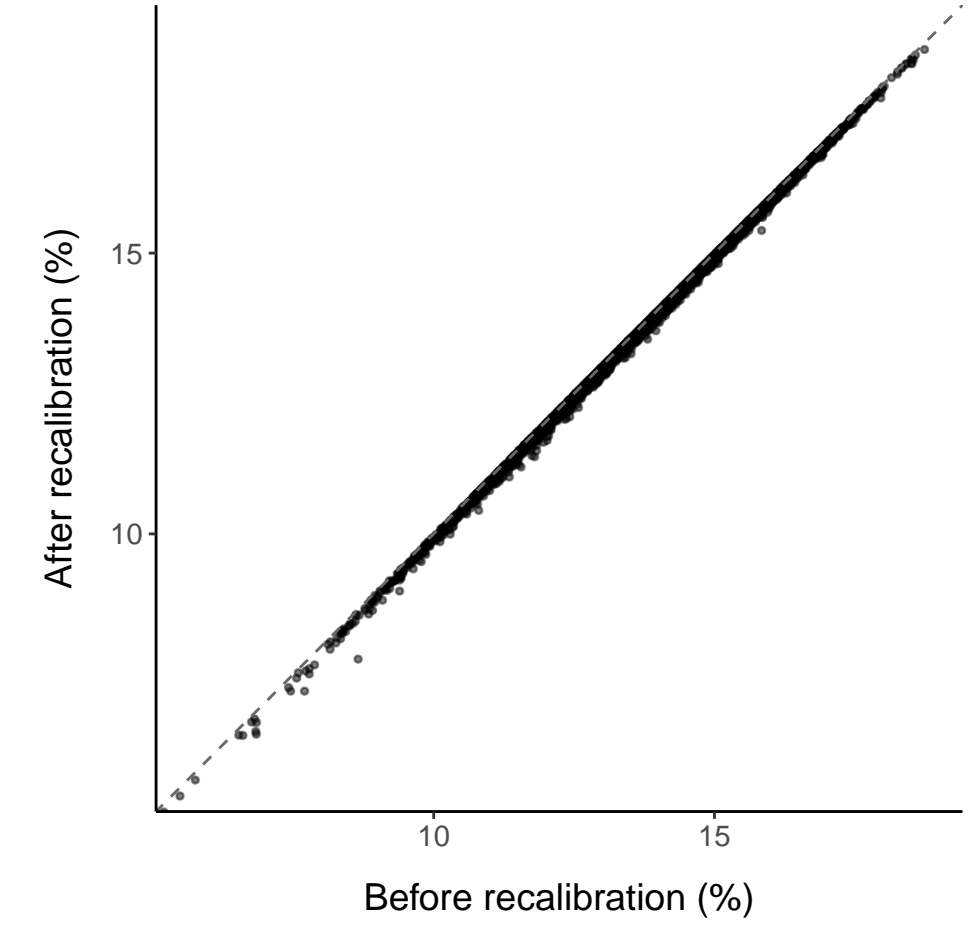
### M\_VLDL\_CE\_pct

R: 1  
 $y = -0.16 + 1.00x$



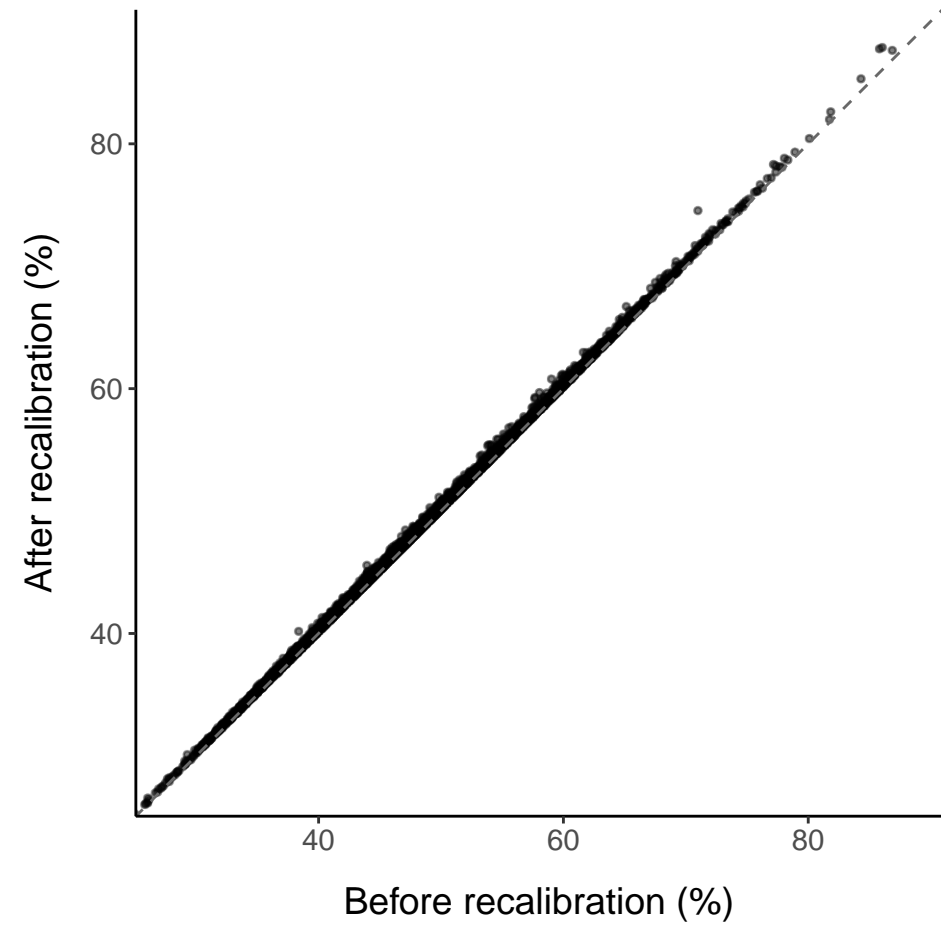
### M\_VLDL\_FC\_pct

R: 1  
 $y = -0.14 + 1.00x$



### M\_VLDL\_TG\_pct

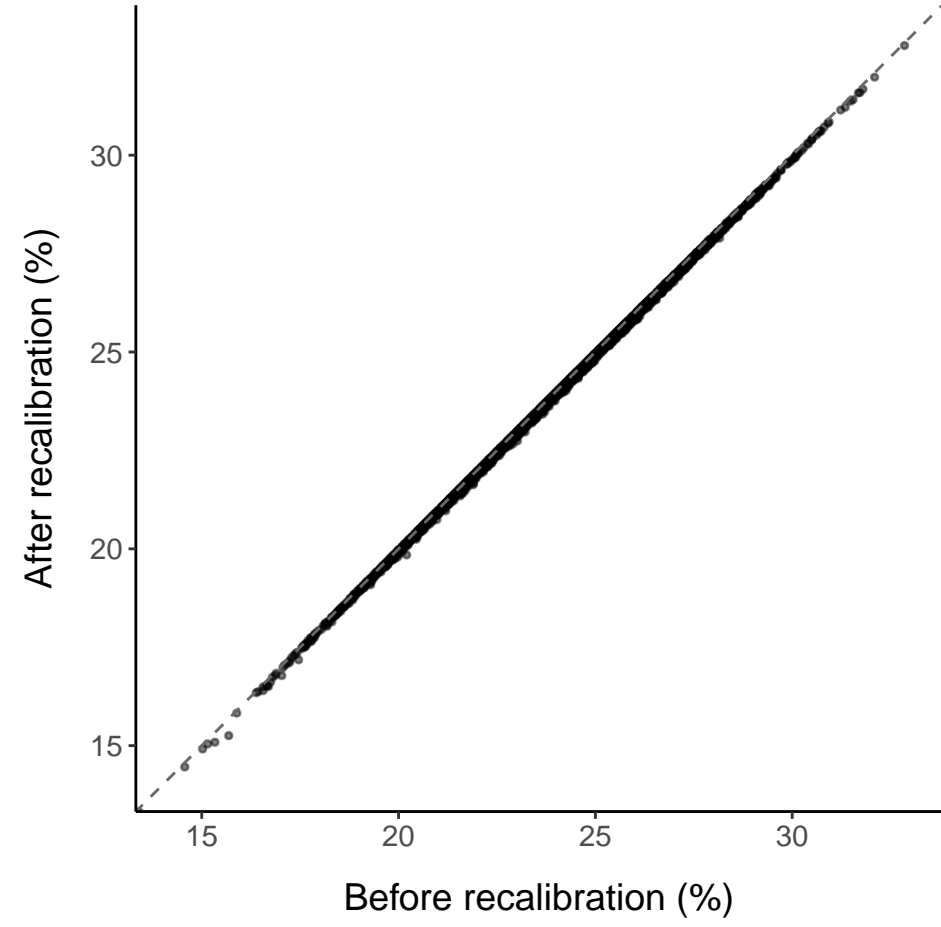
R: 1  
 $y = 0.20 + 1.00x$



# Small VLDL ratios

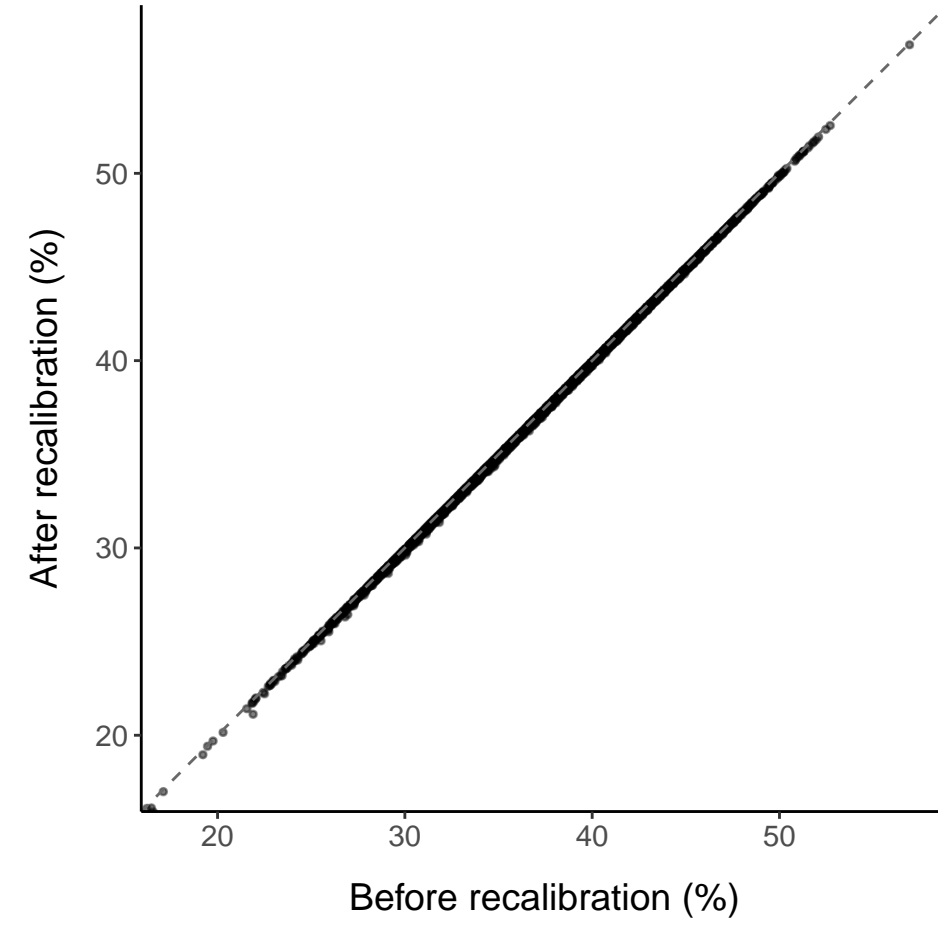
### S\_VLDL\_PL\_pct

R: 1  
 $y = -0.01 + 1.00x$



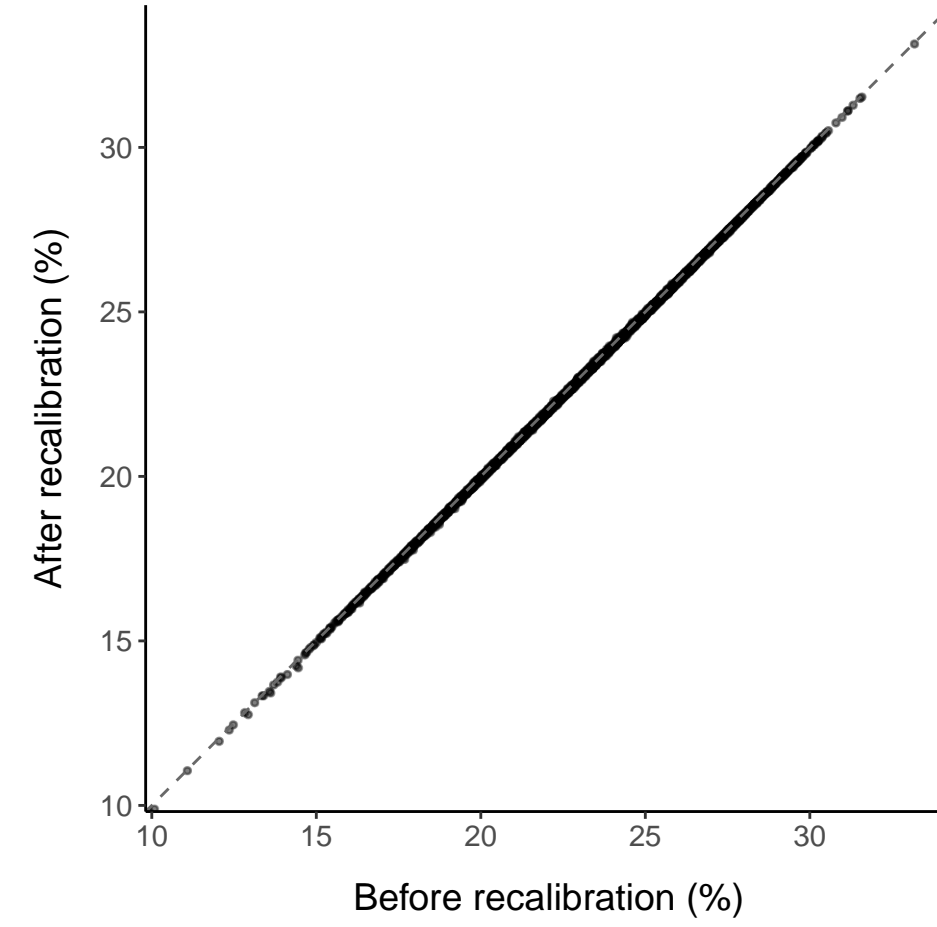
### S\_VLDL\_C\_pct

R: 1  
 $y = -0.15 + 1.00x$



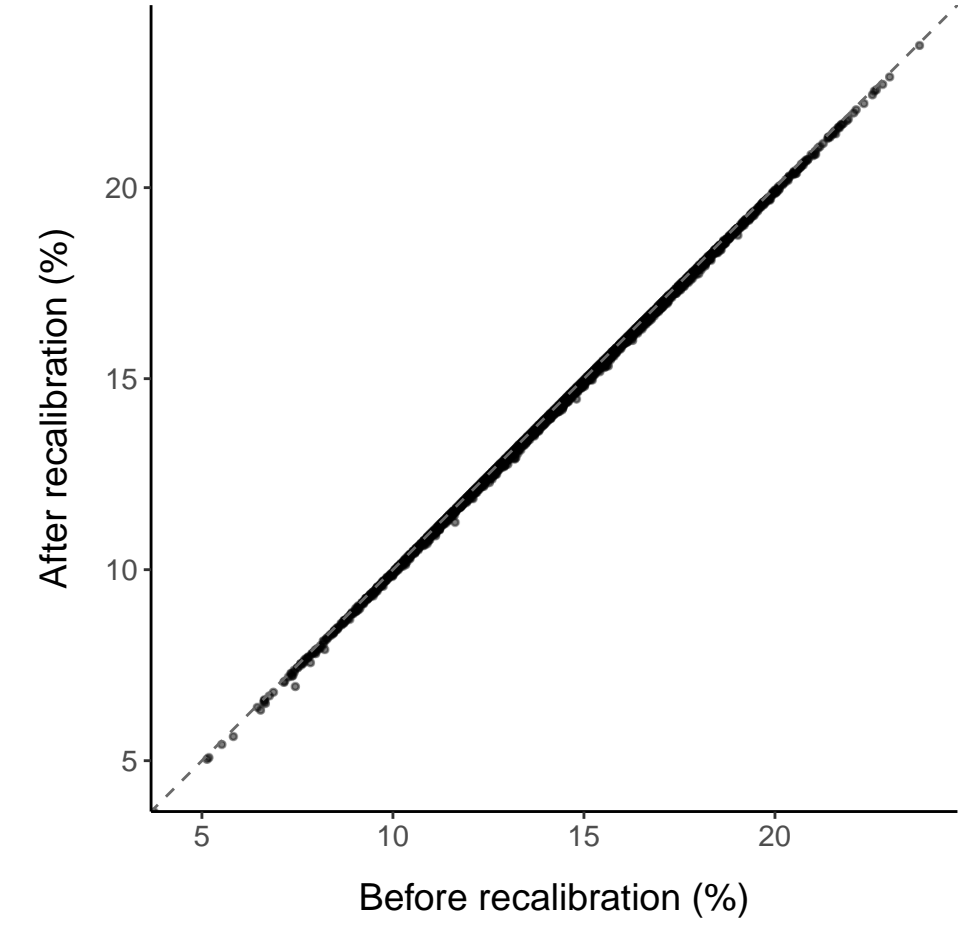
### S\_VLDL\_CE\_pct

R: 1  
 $y = -0.08 + 1.00x$



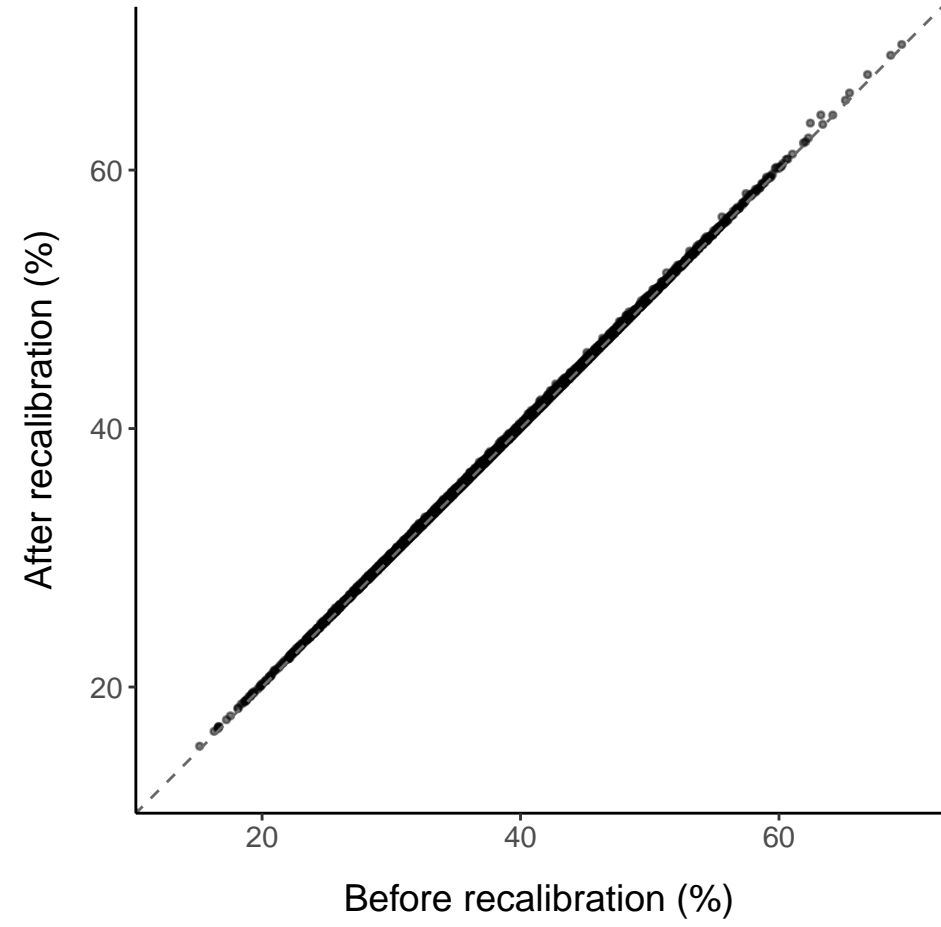
### S\_VLDL\_FC\_pct

R: 1  
 $y = -0.05 + 1.00x$



### S\_VLDL\_TG\_pct

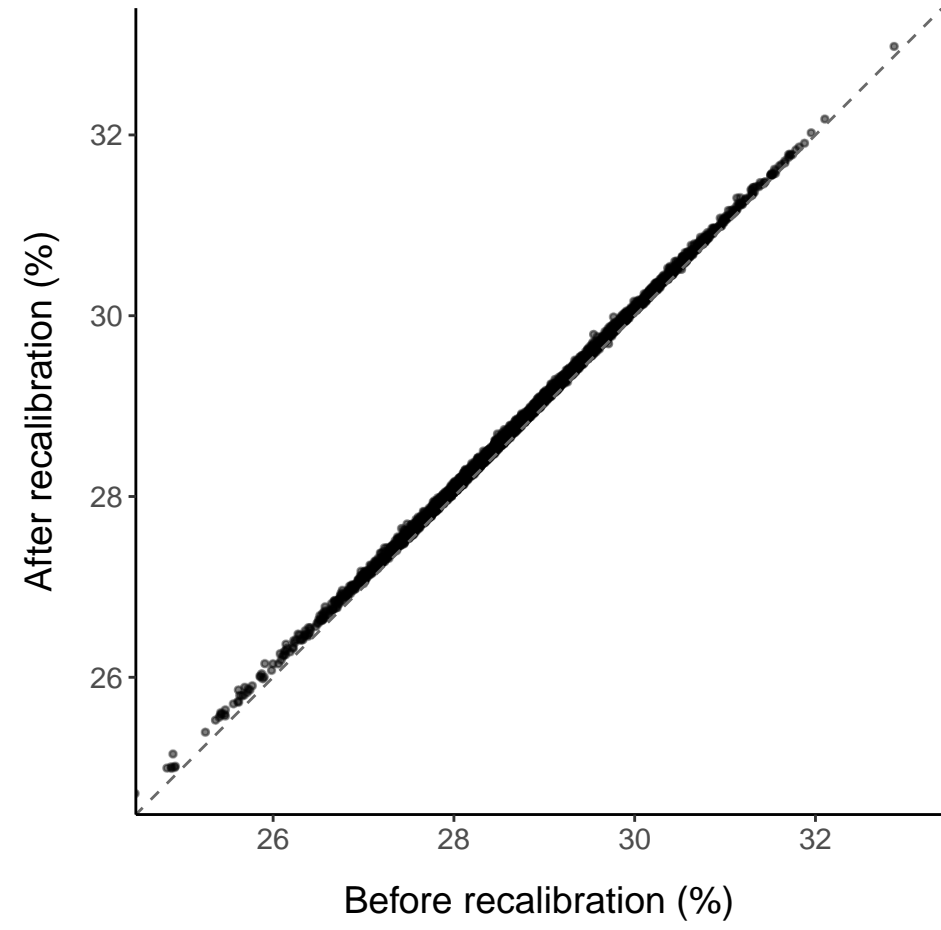
R: 1  
 $y = 0.18 + 1.00x$



# Very small VLDL ratios

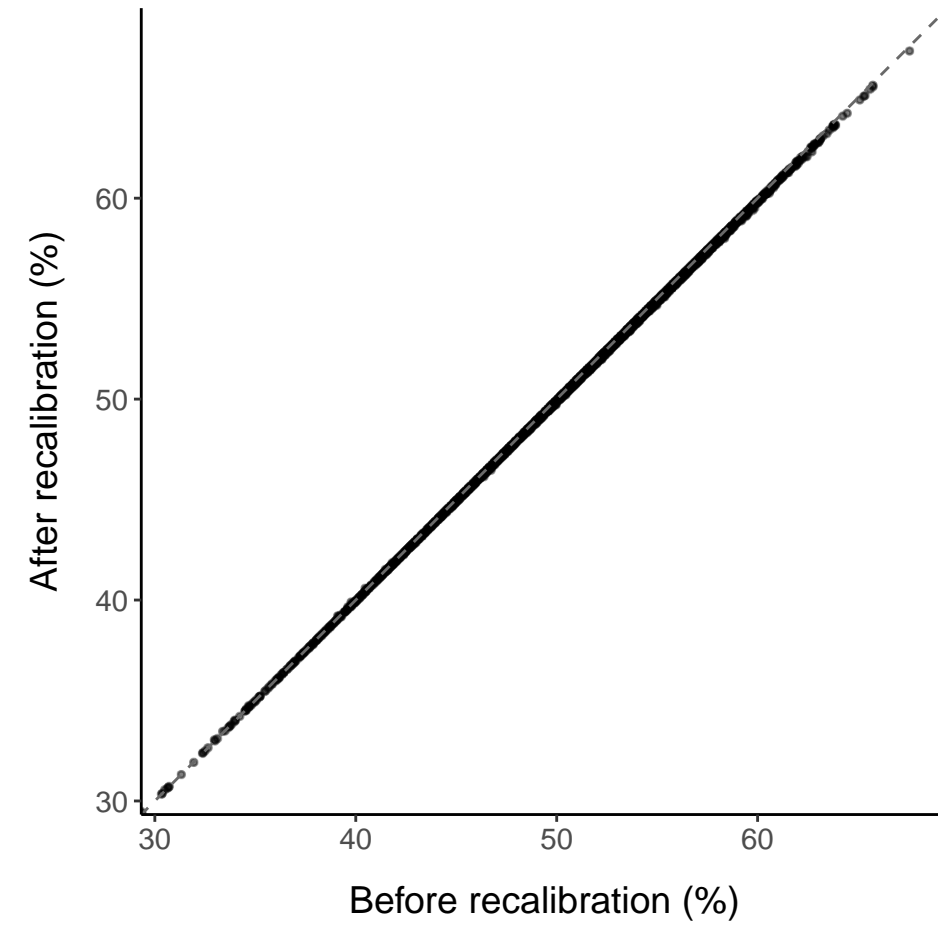
### XS\_VLDL\_PL\_pct

R: 1  
 $y = 0.22 + 1.00x$



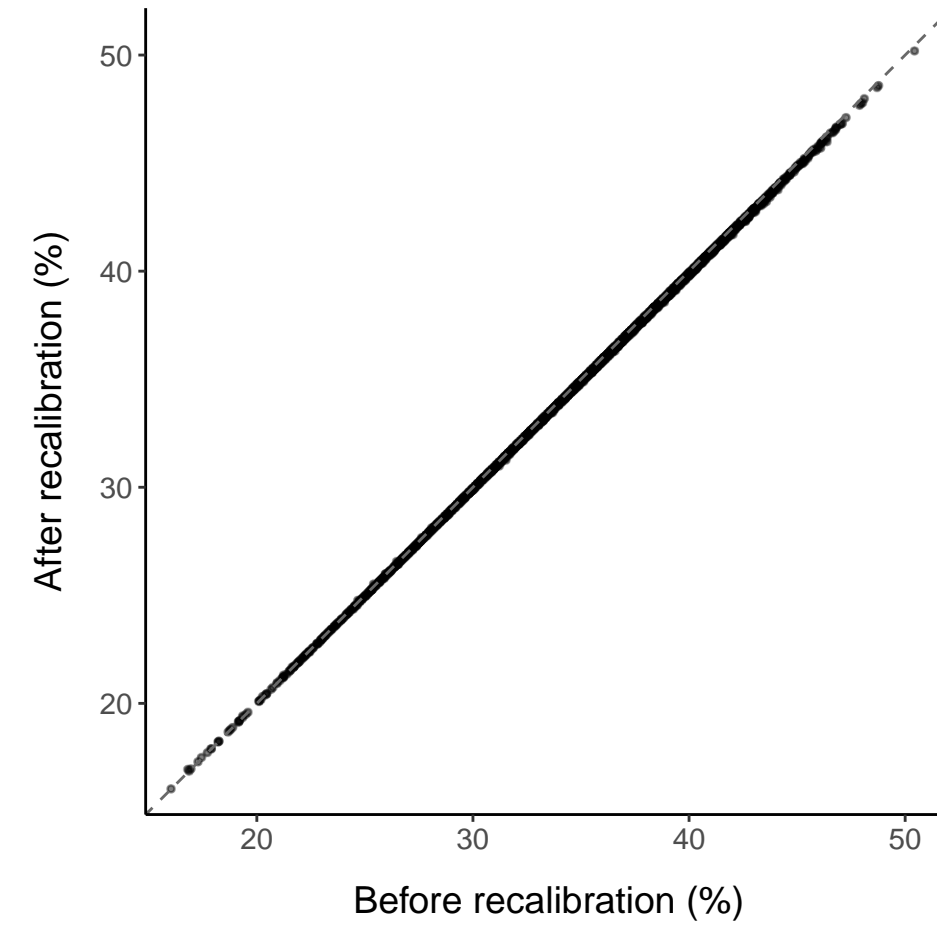
### XS\_VLDL\_C\_pct

R: 1  
 $y = 0.16 + 1.00x$



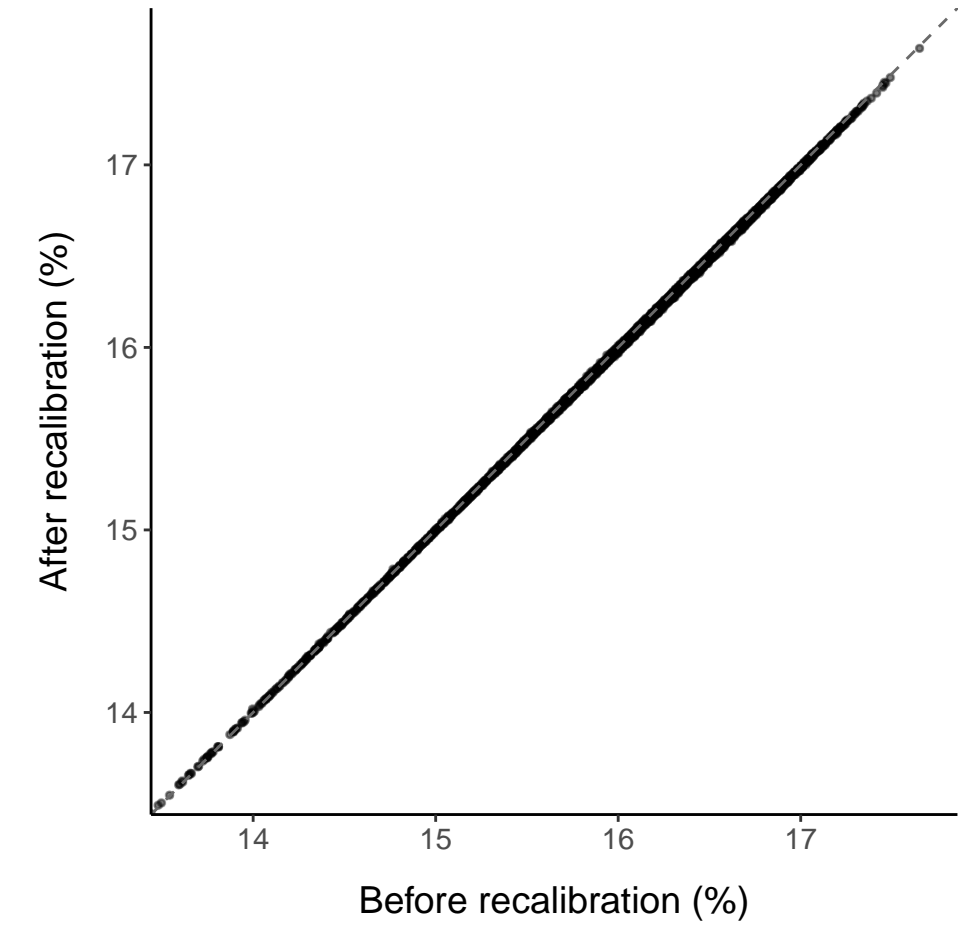
### XS\_VLDL\_CE\_pct

R: 1  
 $y = 0.08 + 1.00x$



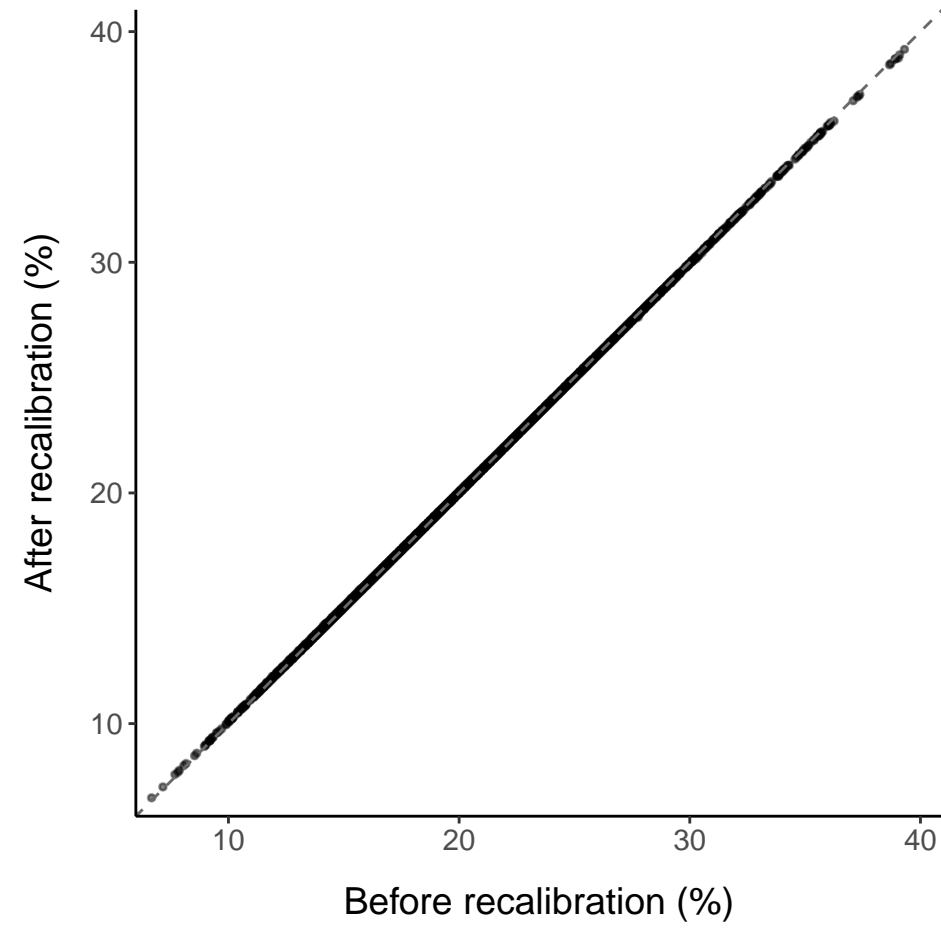
### XS\_VLDL\_FC\_pct

R: 1  
 $y = 0.07 + 1.00x$



### XS\_VLDL\_TG\_pct

R: 1  
 $y = 0.13 + 0.99x$

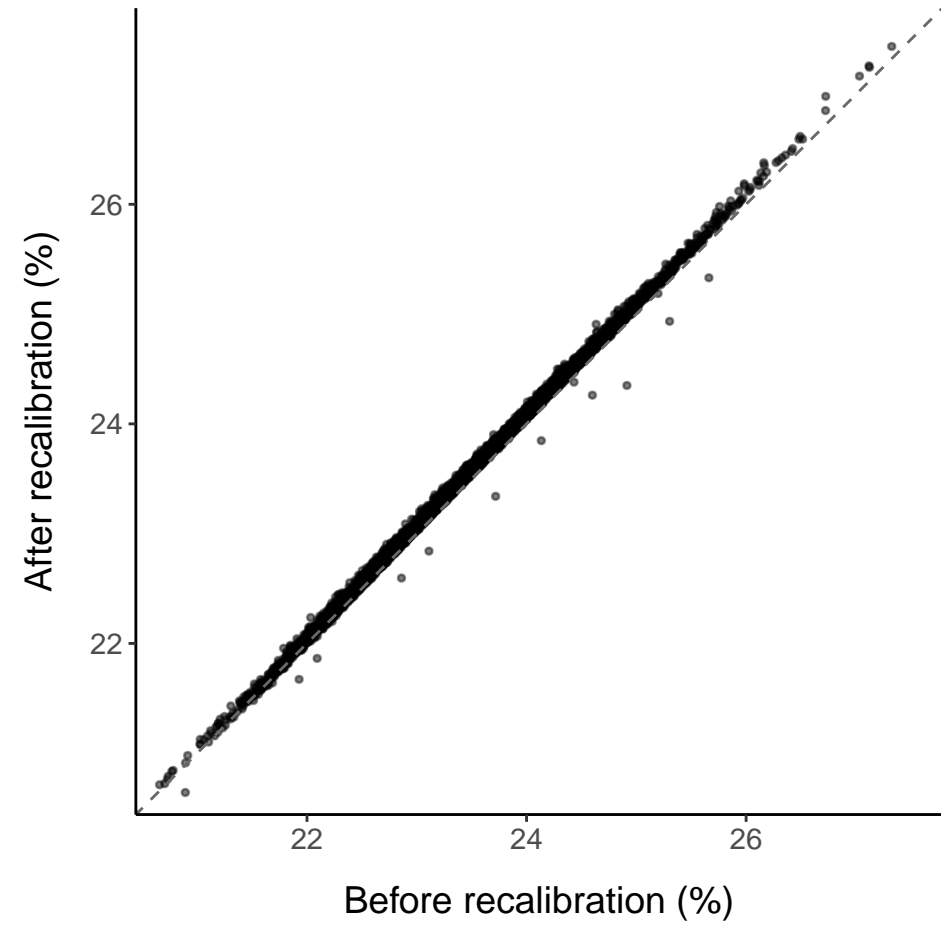




# IDL ratios

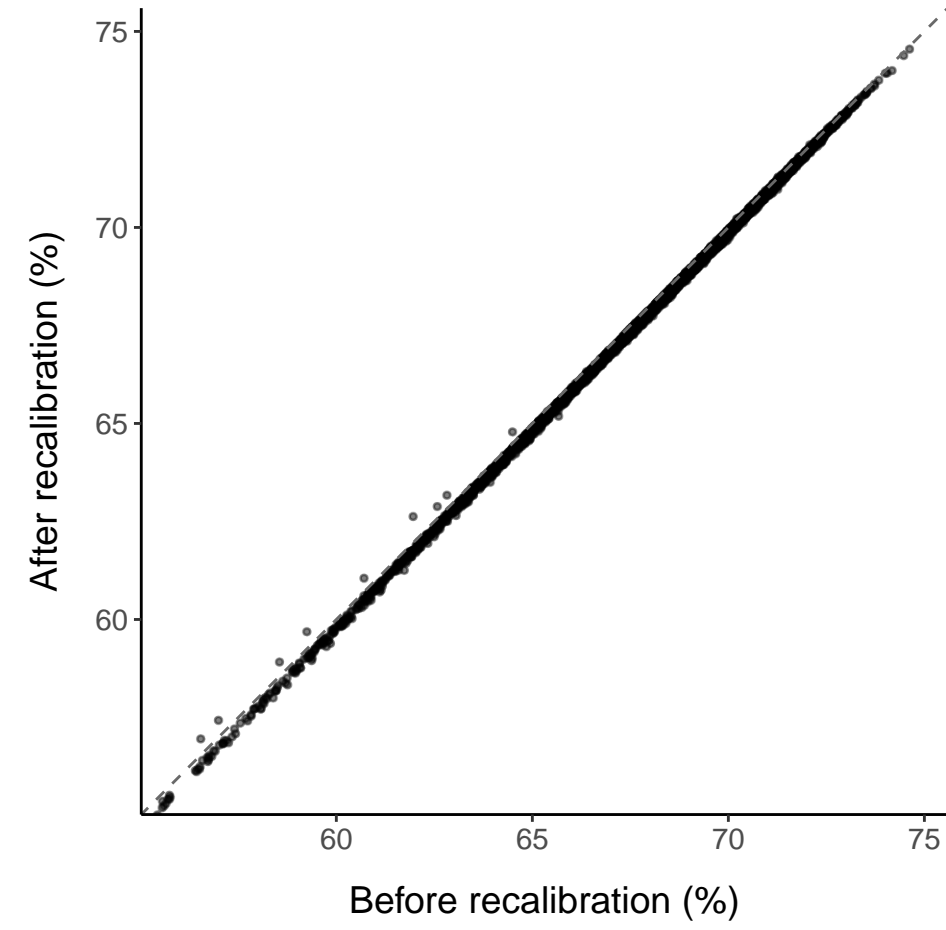
### IDL\_PL\_pct

R: 1  
 $y = -0.33 + 1.02x$



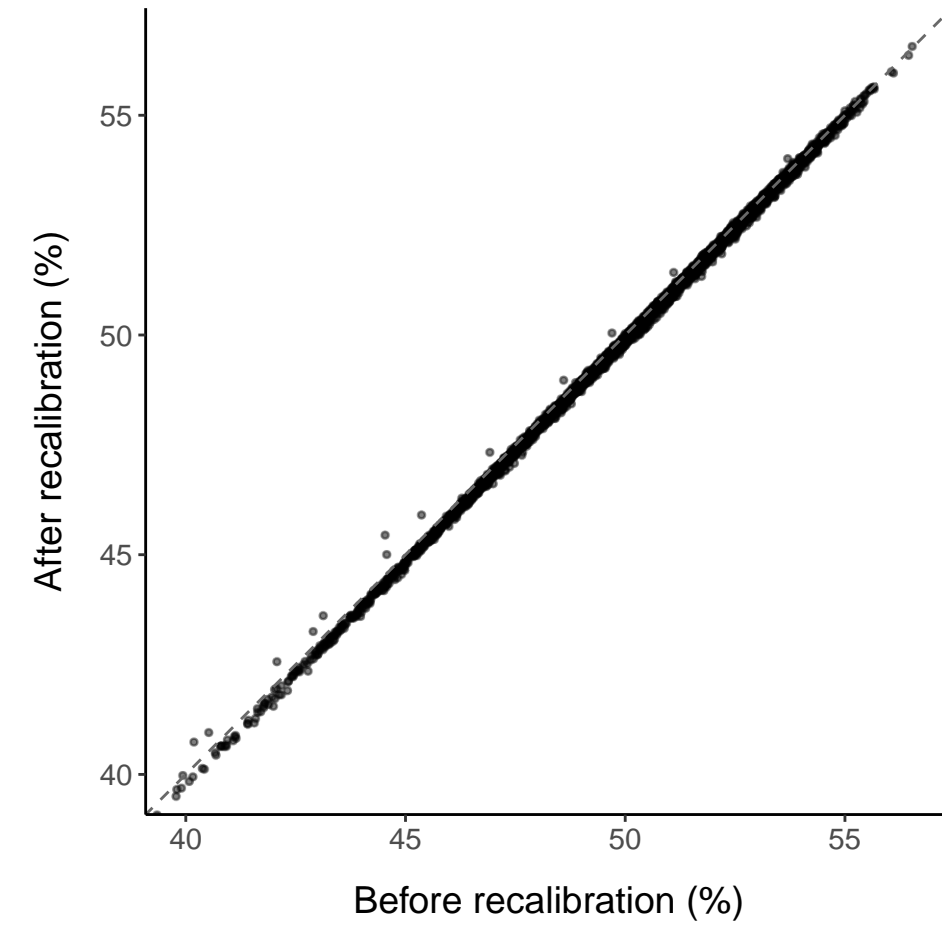
### IDL\_C\_pct

R: 1  
 $y = -0.93 + 1.01x$



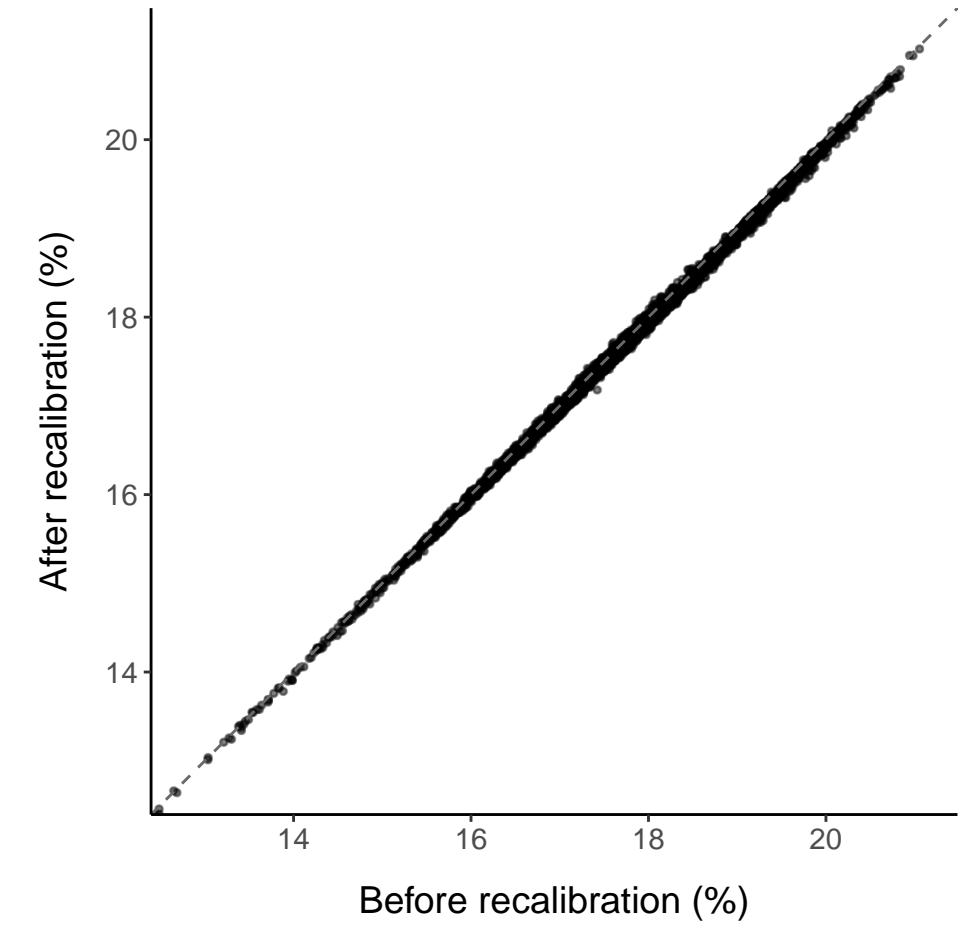
### IDL\_CE\_pct

R: 1  
 $y = -0.82 + 1.01x$



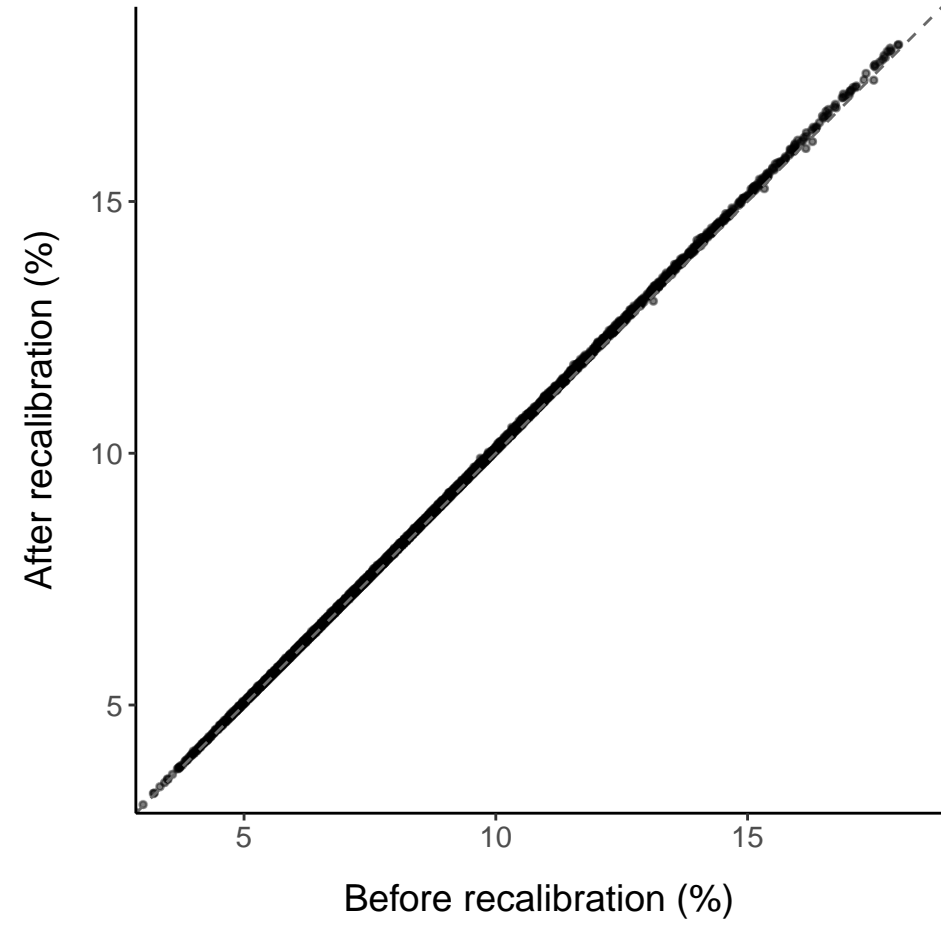
### IDL\_FC\_pct

R: 1  
 $y = 0.12 + 0.99x$



### IDL\_TG\_pct

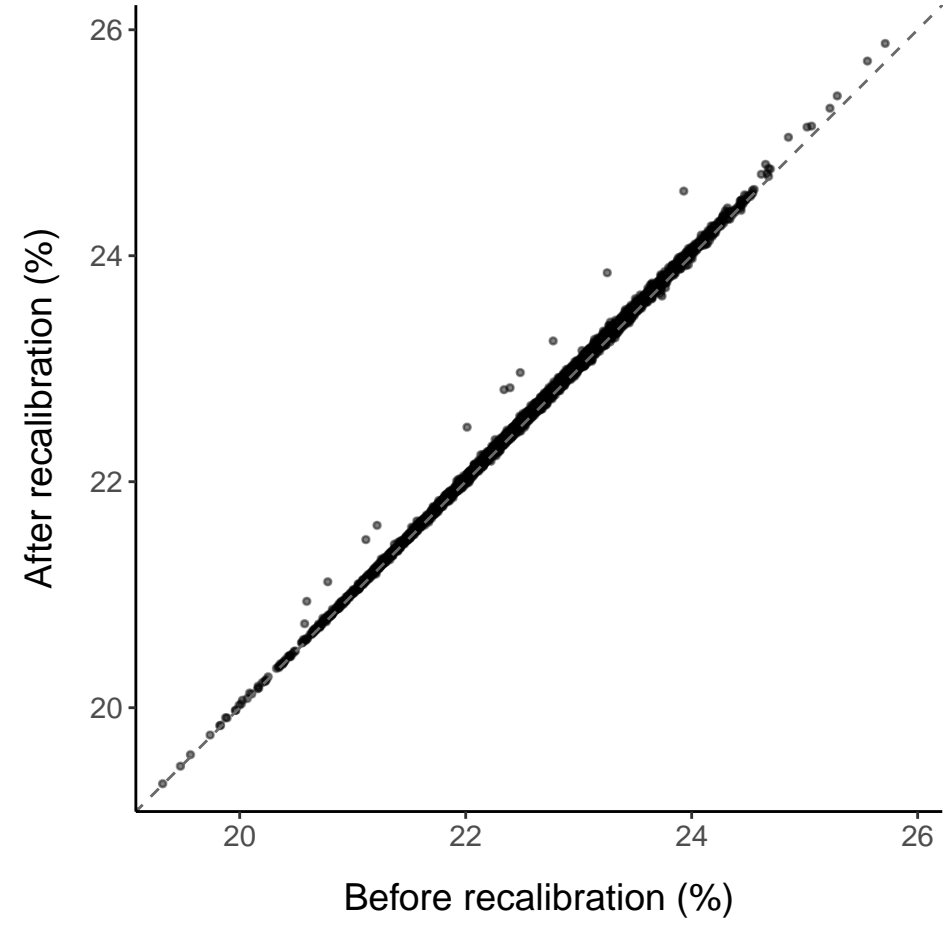
R: 1  
 $y = 0.00 + 1.01x$



# Large LDL ratios

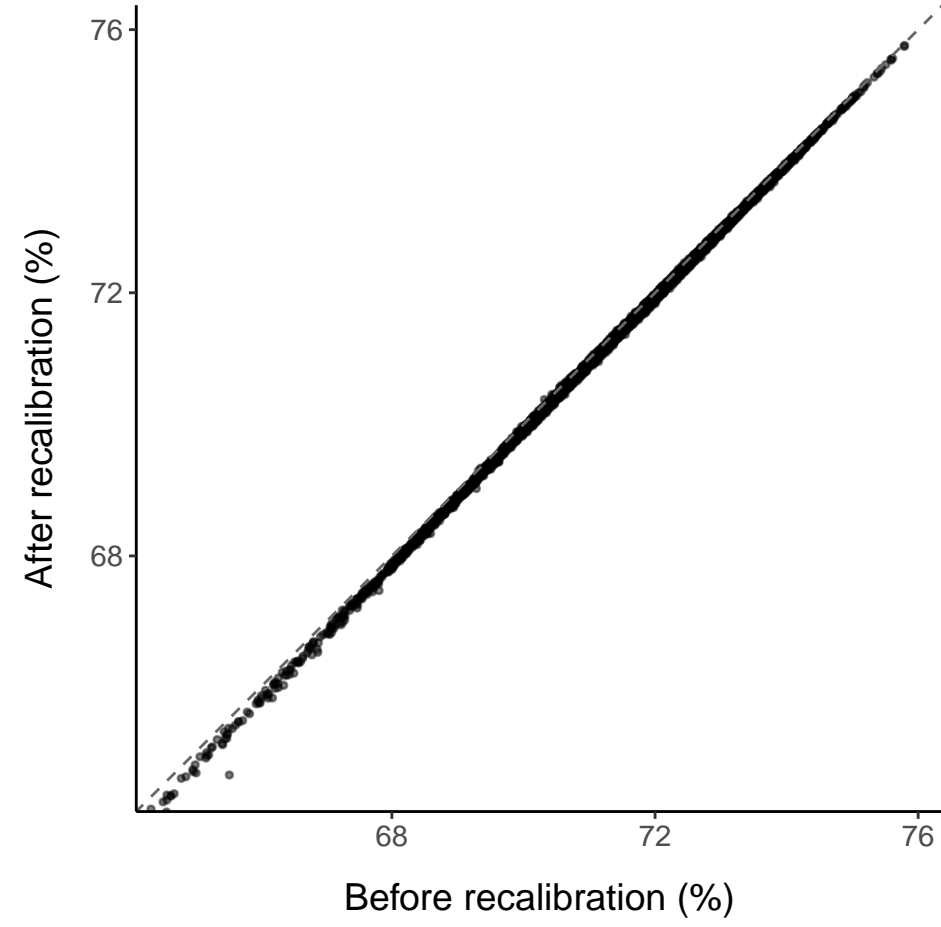
### L\_LDL\_PL\_pct

R: 1  
 $y = -0.19 + 1.01x$



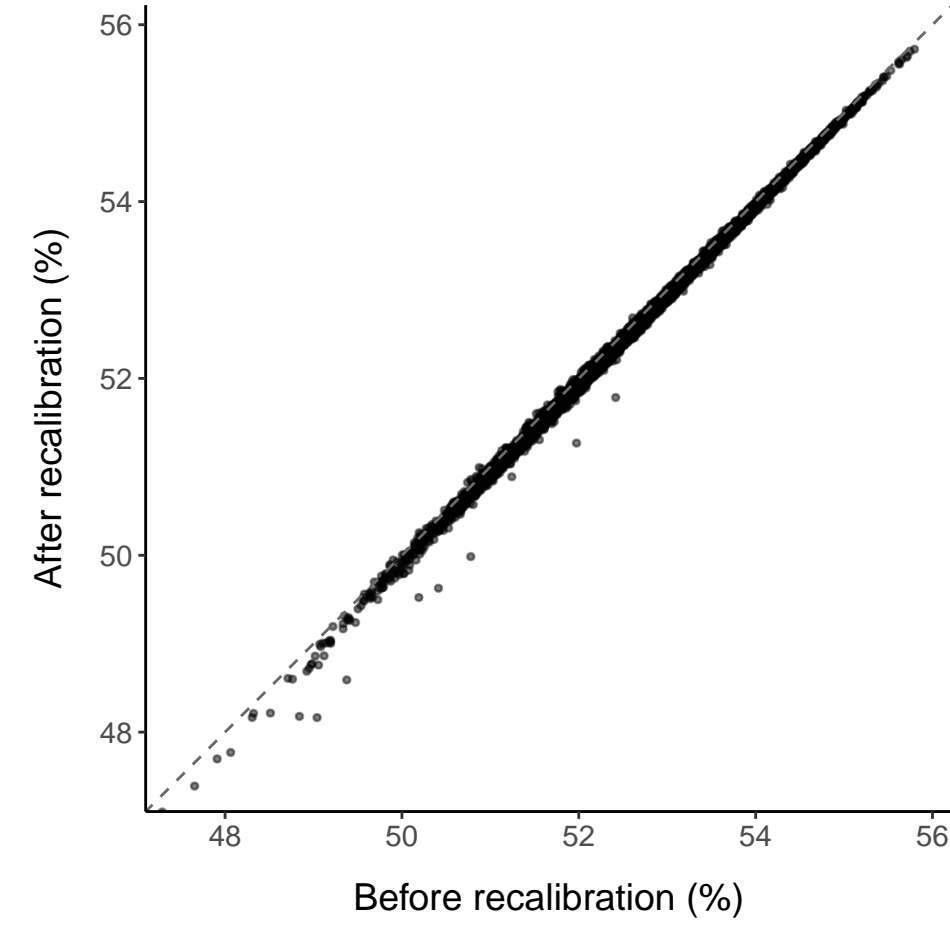
### L\_LDL\_C\_pct

R: 1  
 $y = -1.07 + 1.01x$



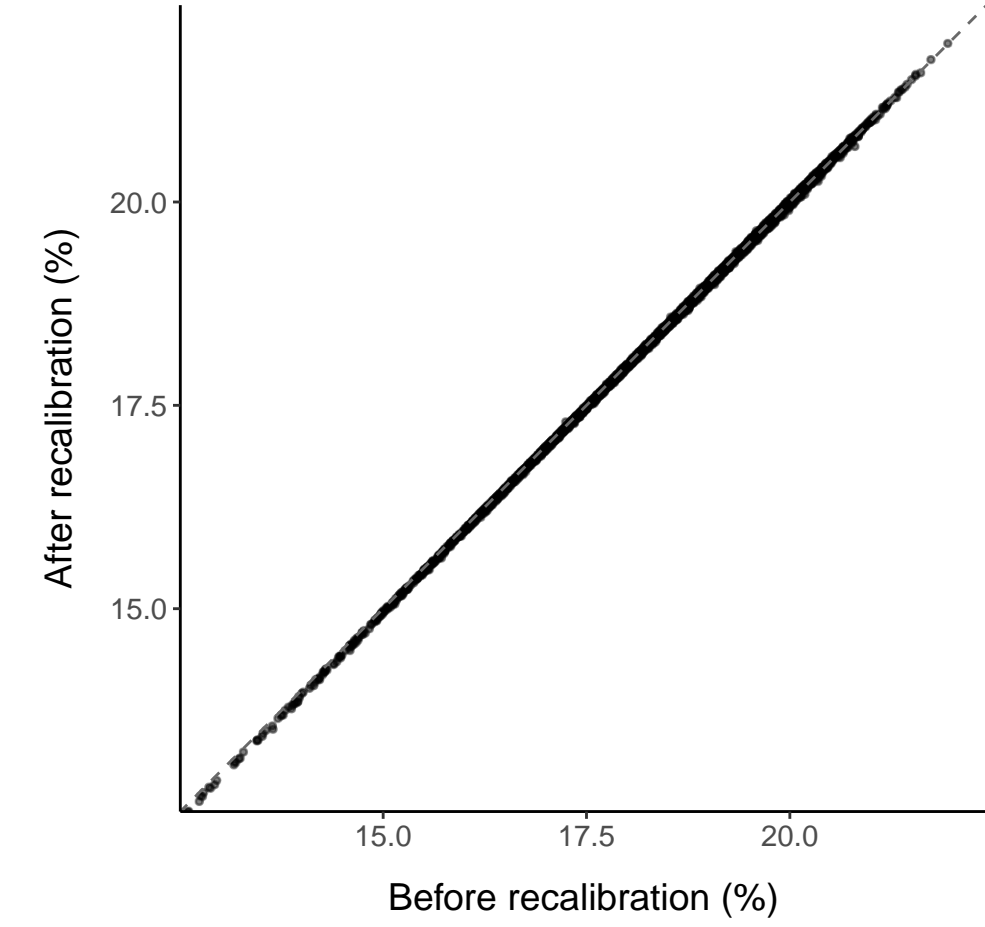
### L\_LDL\_CE\_pct

R: 1  
 $y = -0.64 + 1.01x$



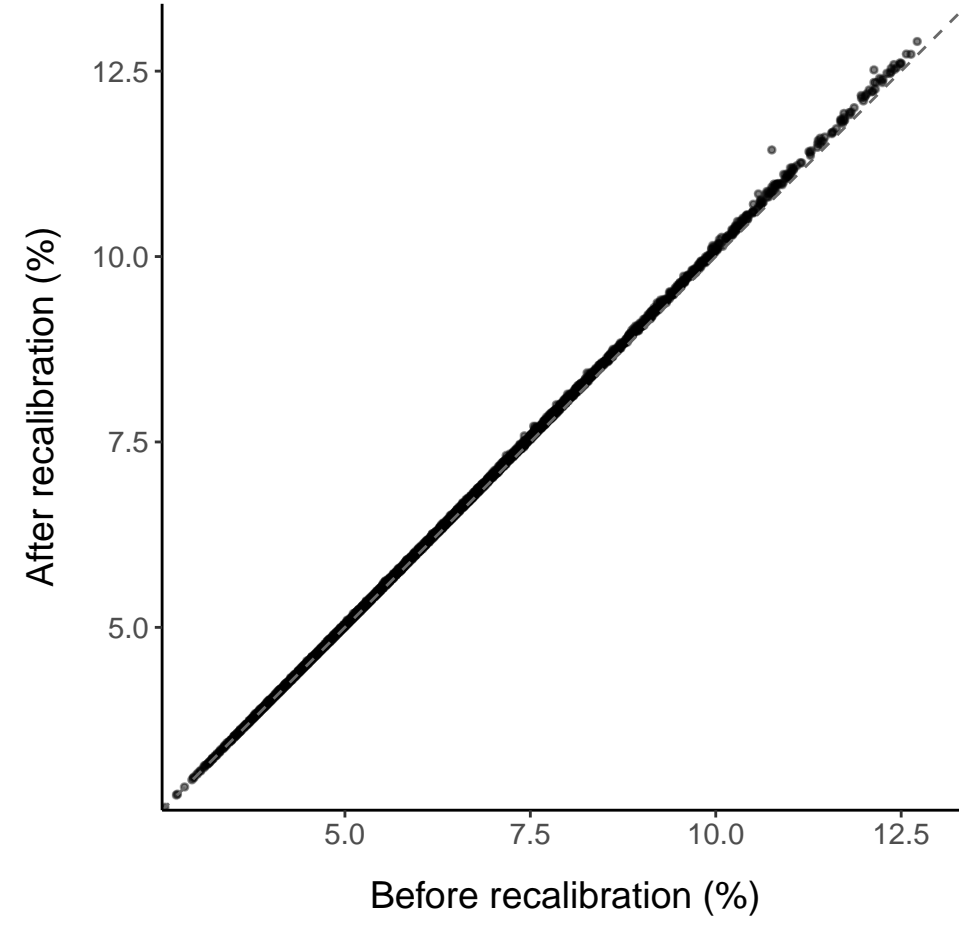
### L\_LDL\_FC\_pct

R: 1  
 $y = -0.17 + 1.01x$



### L\_LDL\_TG\_pct

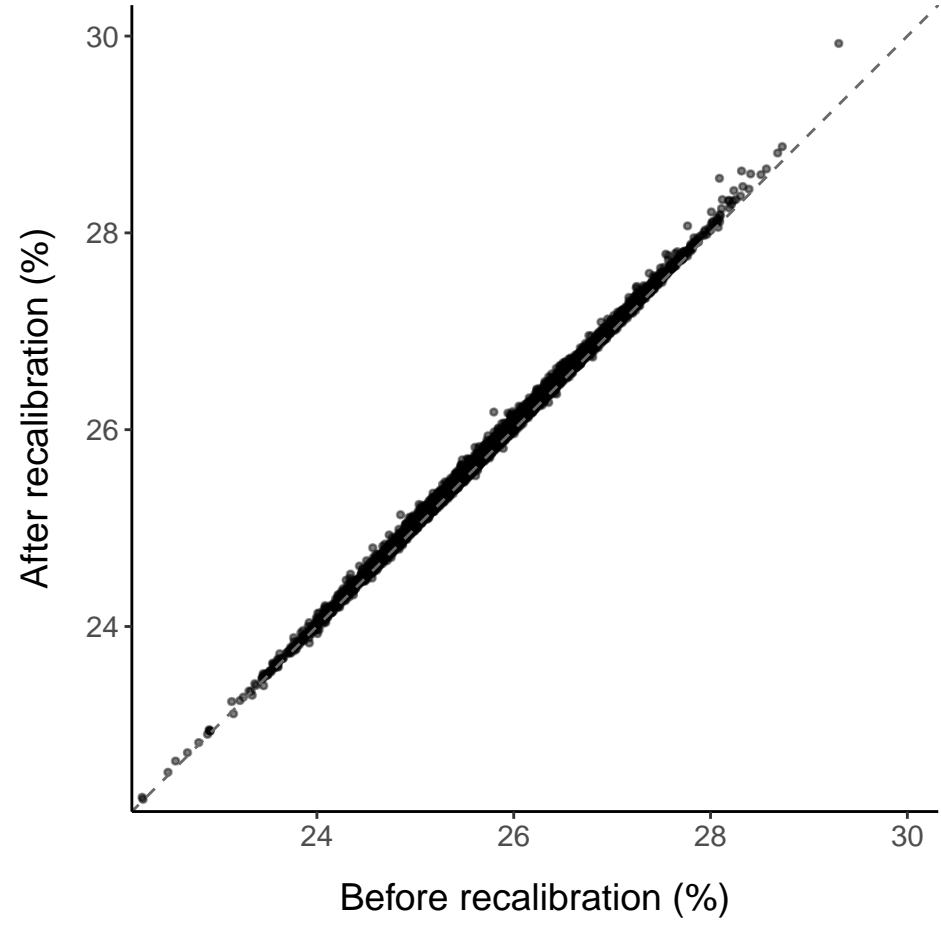
R: 1  
 $y = -0.03 + 1.01x$



# Medium LDL ratios

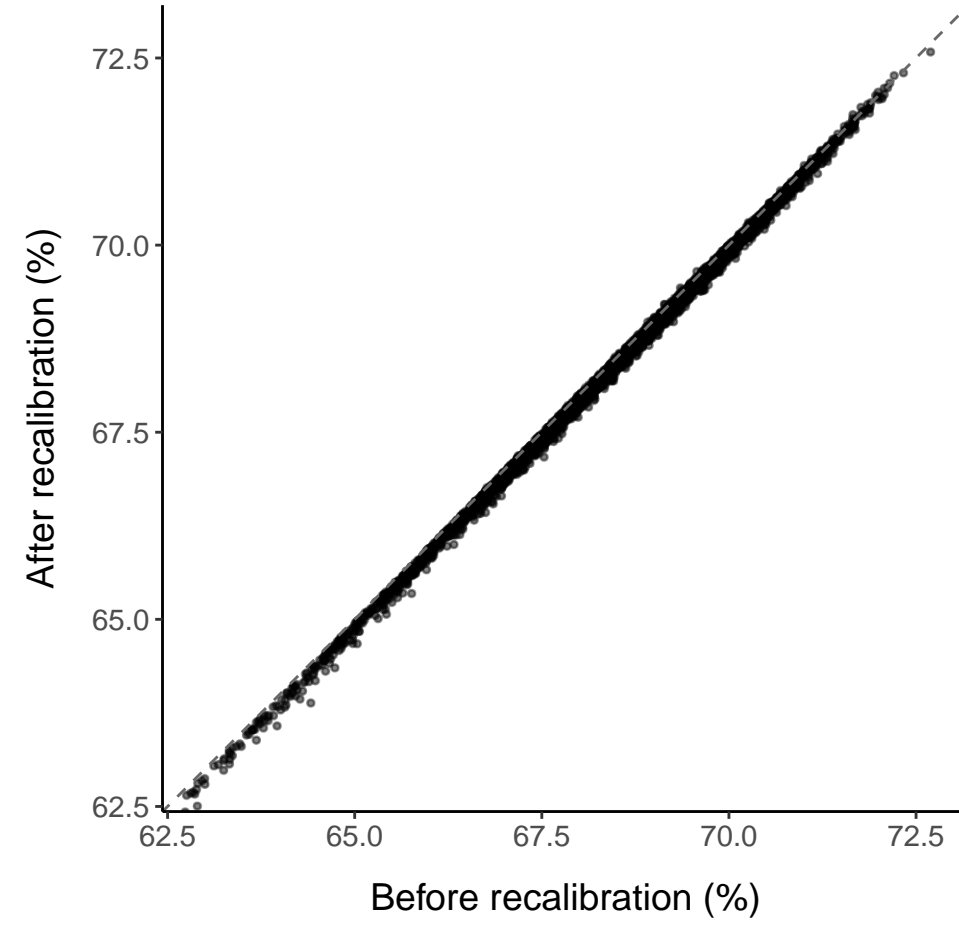
### M\_LDL\_PL\_pct

R: 1  
 $y = -0.14 + 1.01x$



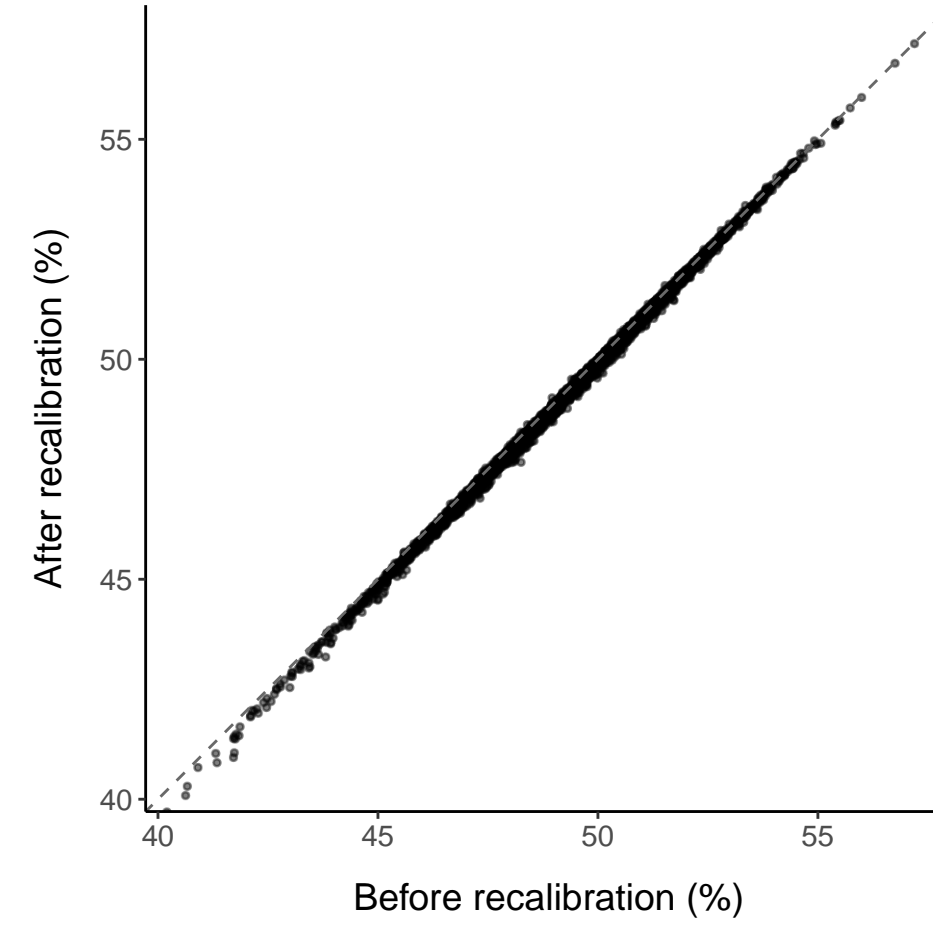
### M\_LDL\_C\_pct

R: 1  
 $y = -0.99 + 1.01x$



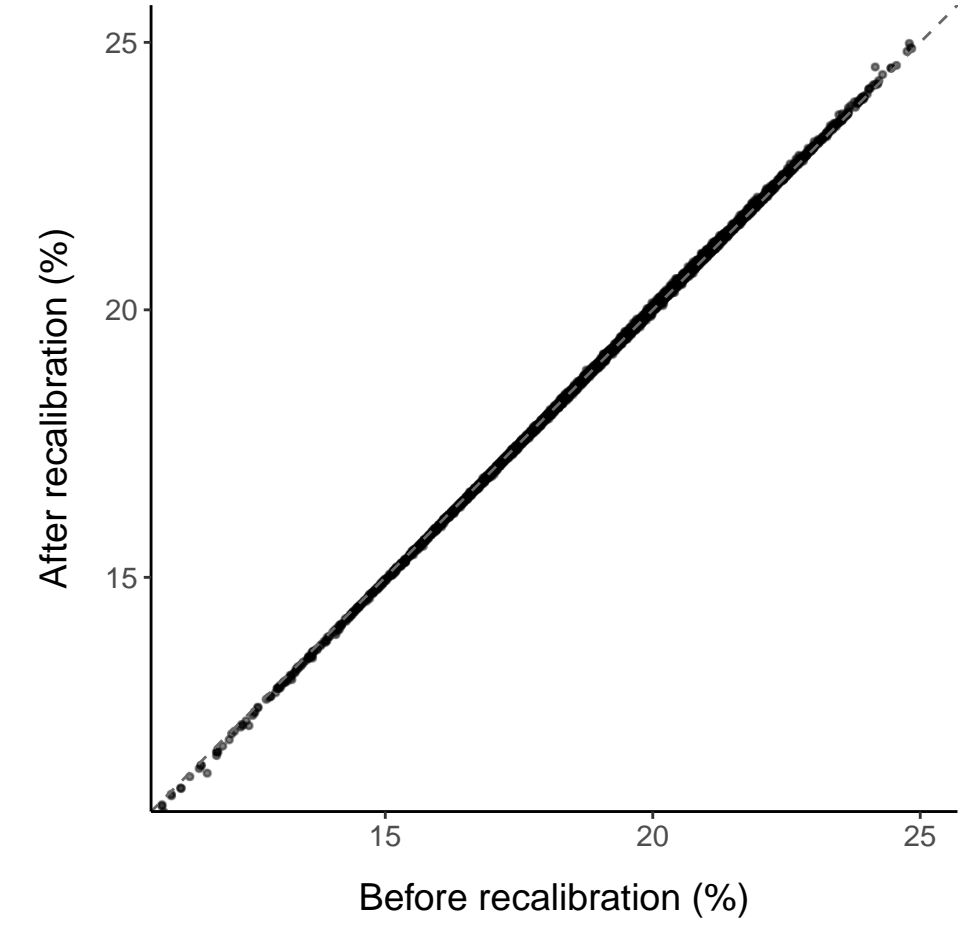
### M\_LDL\_CE\_pct

R: 1  
 $y = -0.92 + 1.02x$



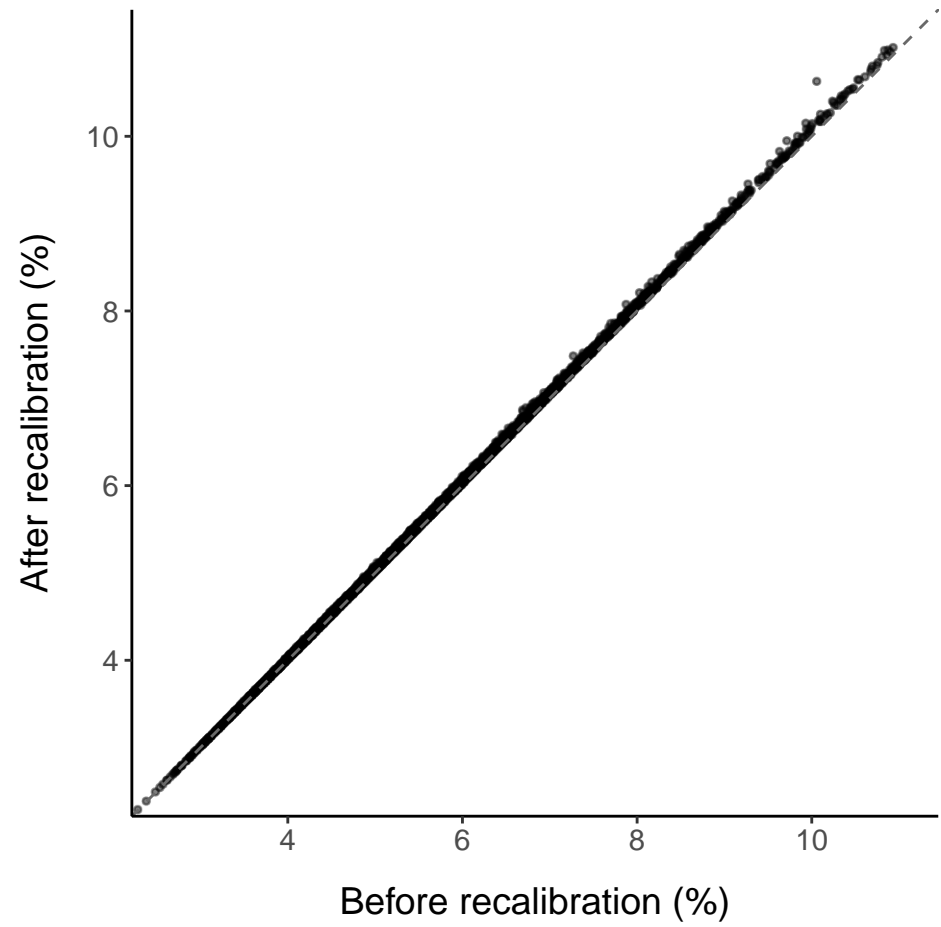
### M\_LDL\_FC\_pct

R: 1  
 $y = -0.23 + 1.01x$



### M\_LDL\_TG\_pct

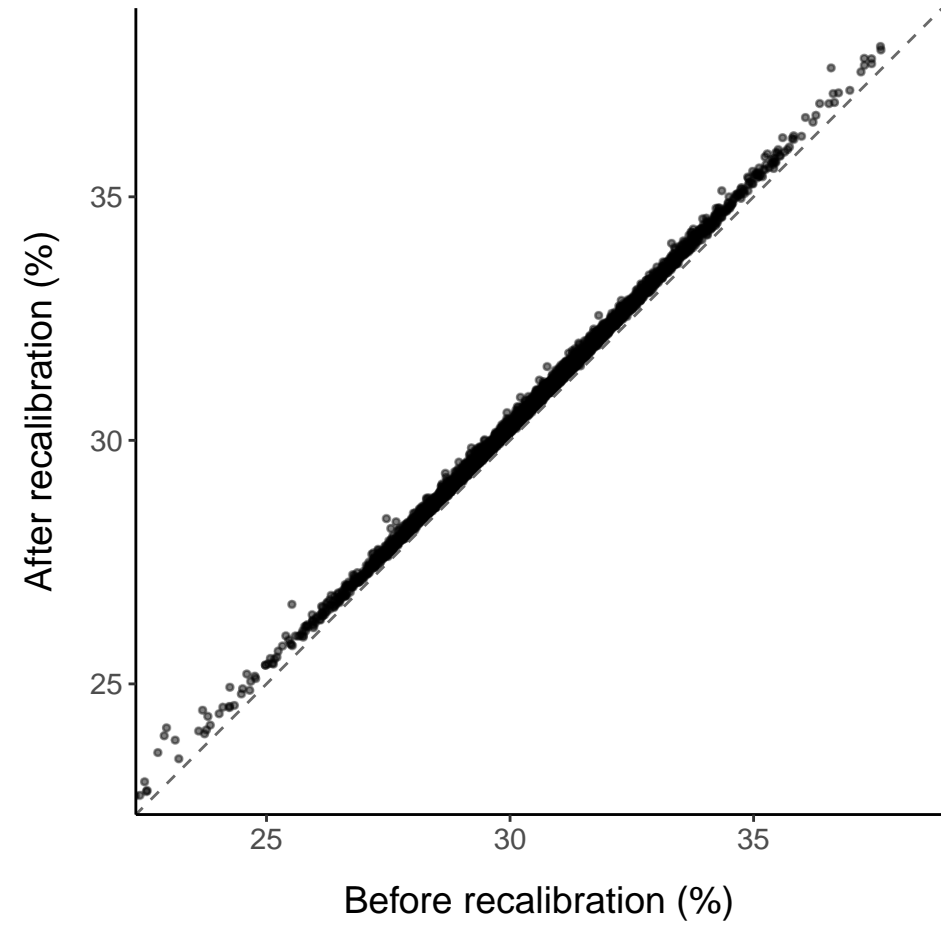
R: 1  
 $y = -0.03 + 1.01x$



# Small LDL ratios

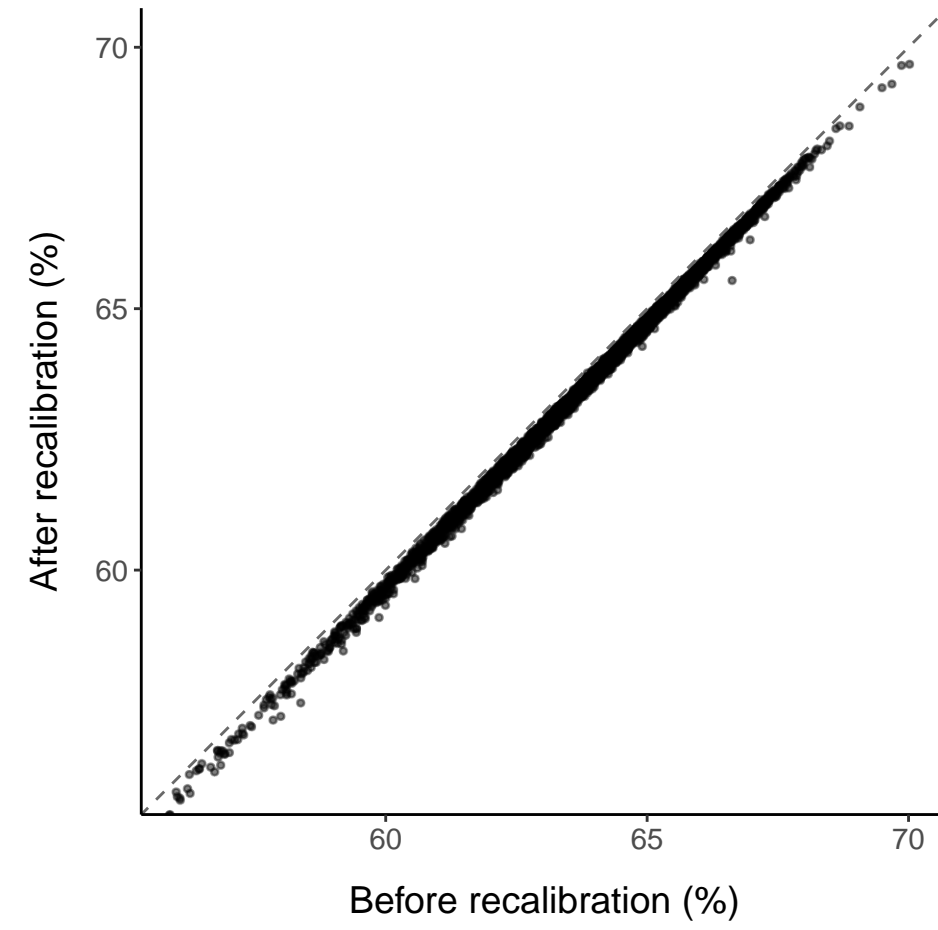
### S\_LDL\_PL\_pct

R: 1  
 $y = -0.04 + 1.01x$



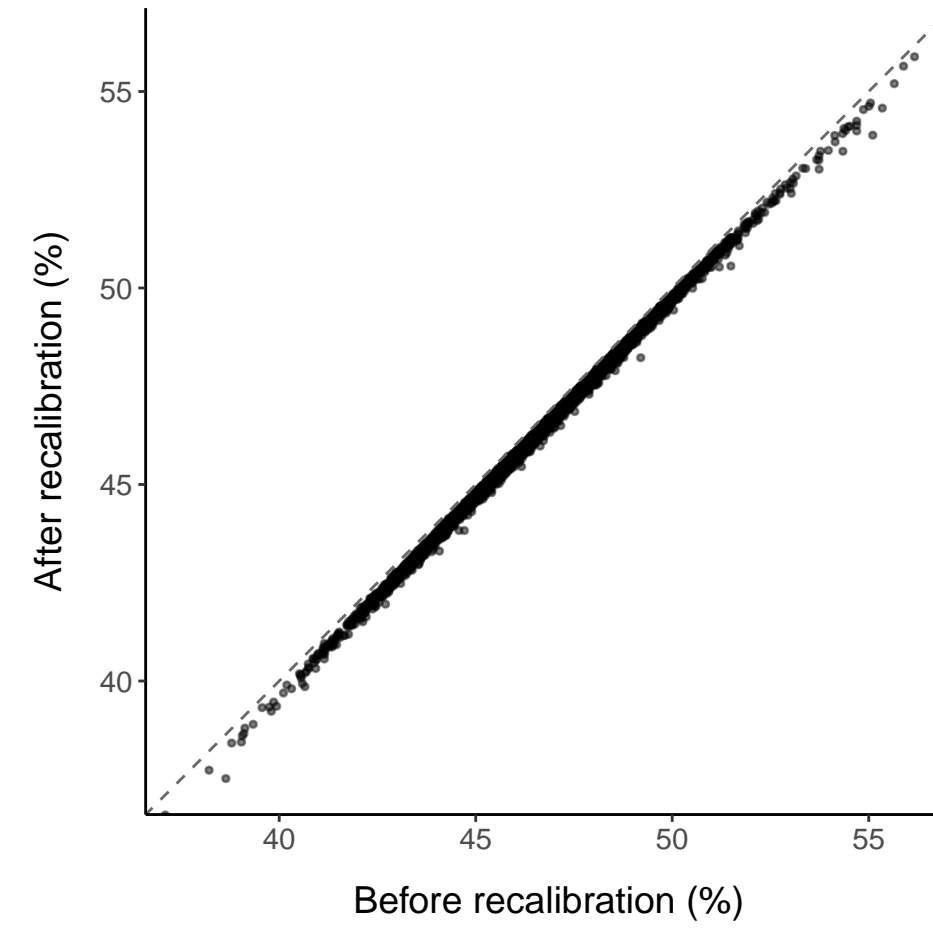
### S\_LDL\_C\_pct

R: 1  
 $y = -1.29 + 1.02x$



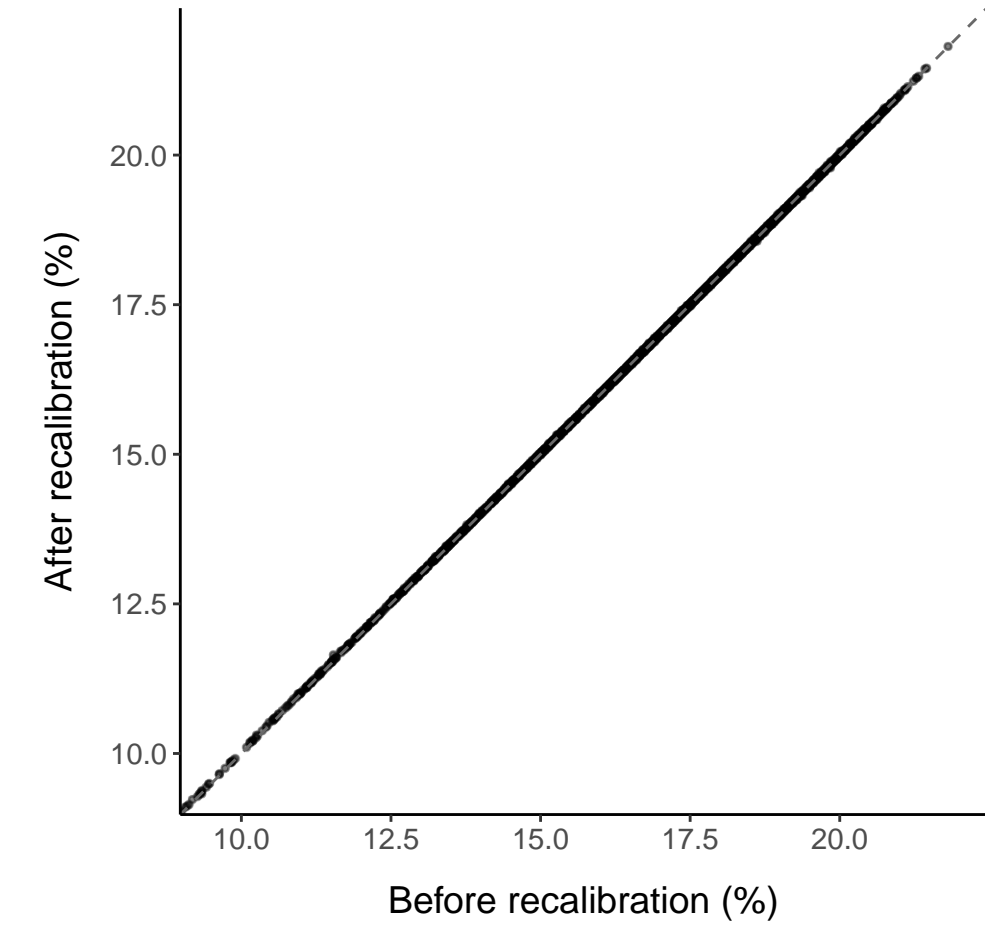
### S\_LDL\_CE\_pct

R: 1  
 $y = -0.78 + 1.01x$



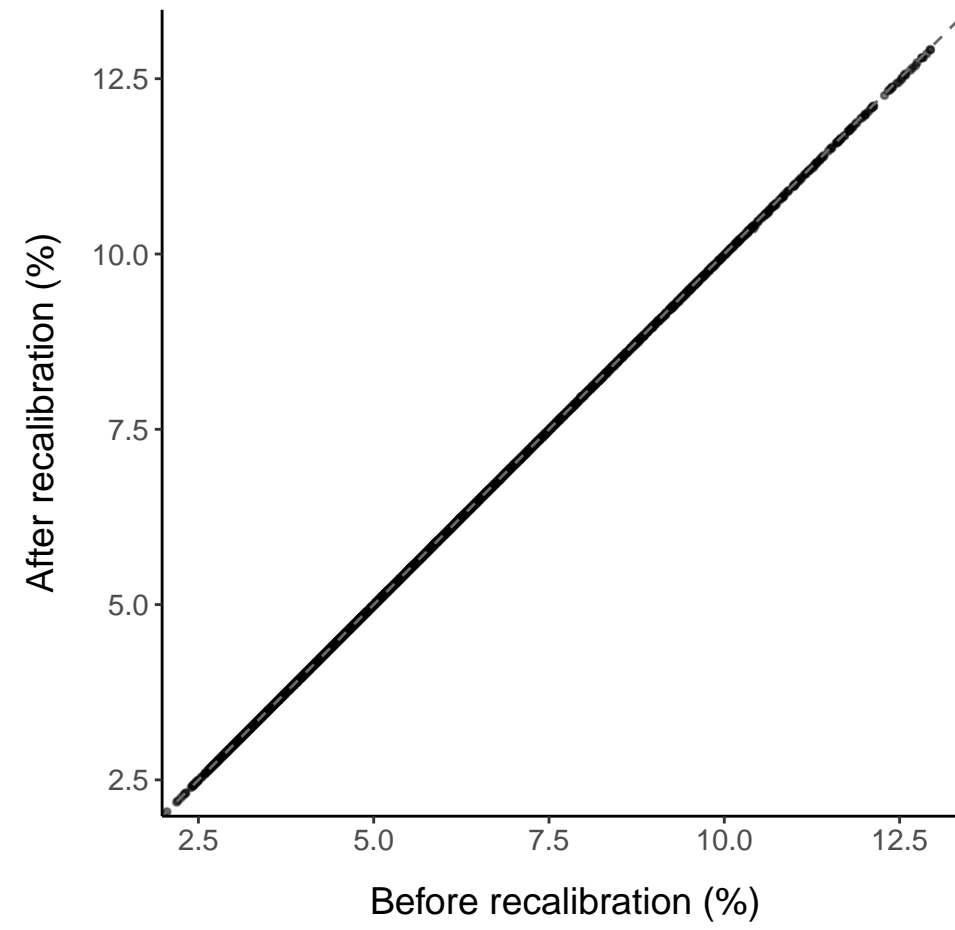
### S\_LDL\_FC\_pct

R: 1  
 $y = 0.04 + 1.00x$



### S\_LDL\_TG\_pct

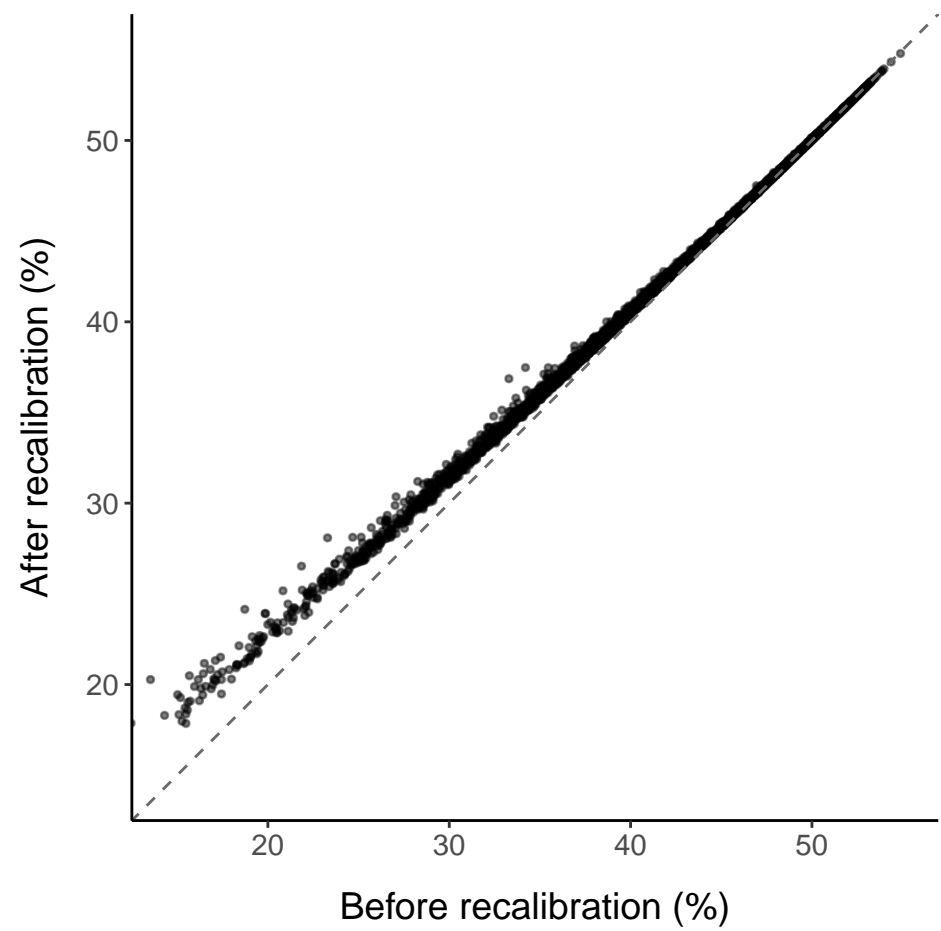
R: 1  
 $y = 0.01 + 1.00x$



# Very large HDL ratios

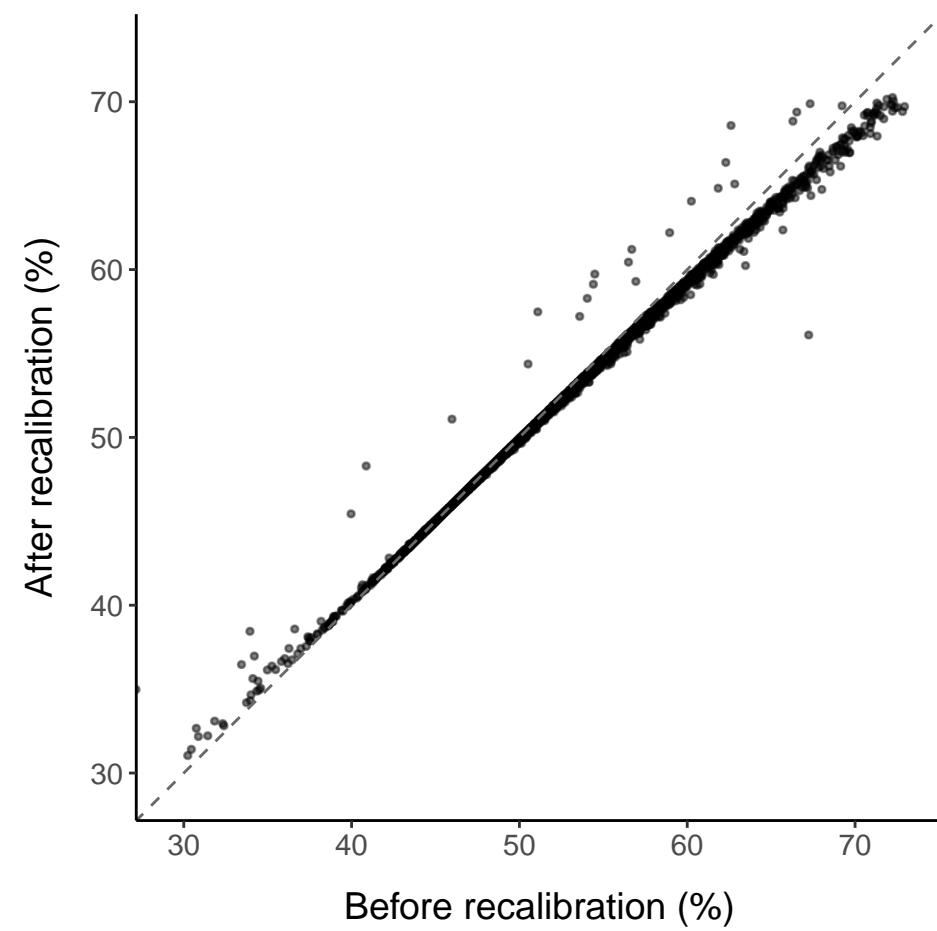
### XL\_HDL\_PL\_pct

R: 1  
 $y = 3.60 + 0.93x$



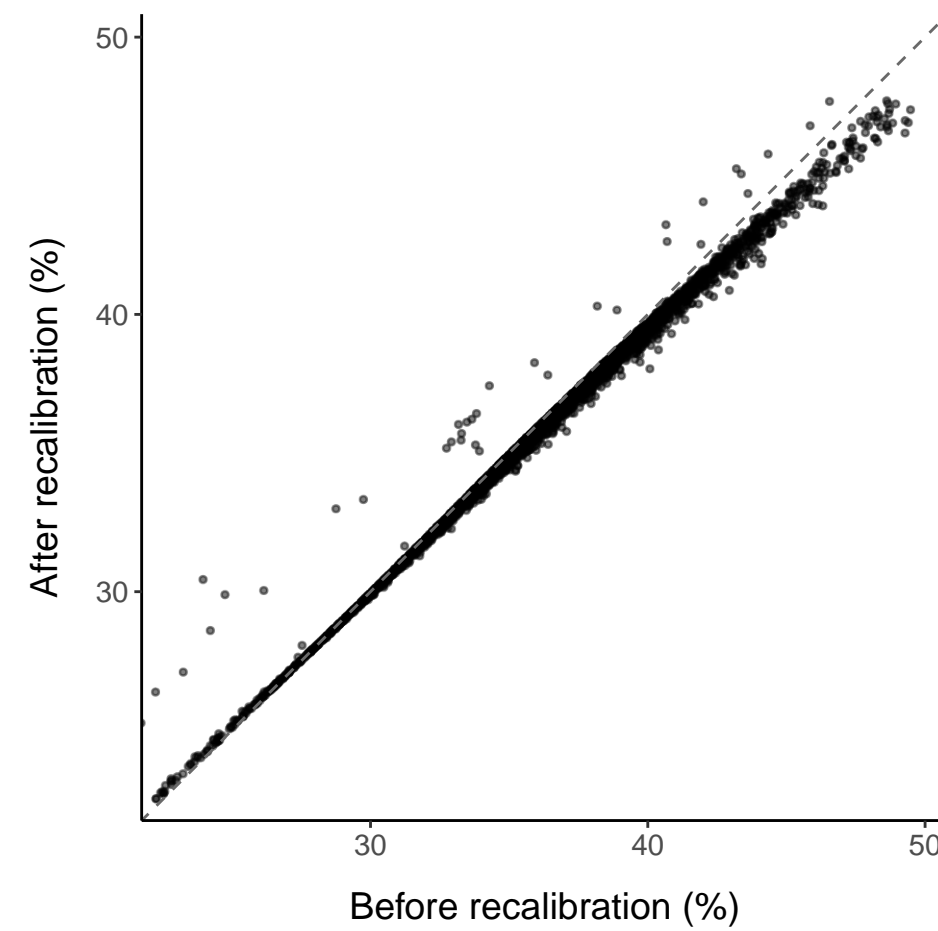
### XL\_HDL\_C\_pct

R: 1  
 $y = 2.88 + 0.94x$



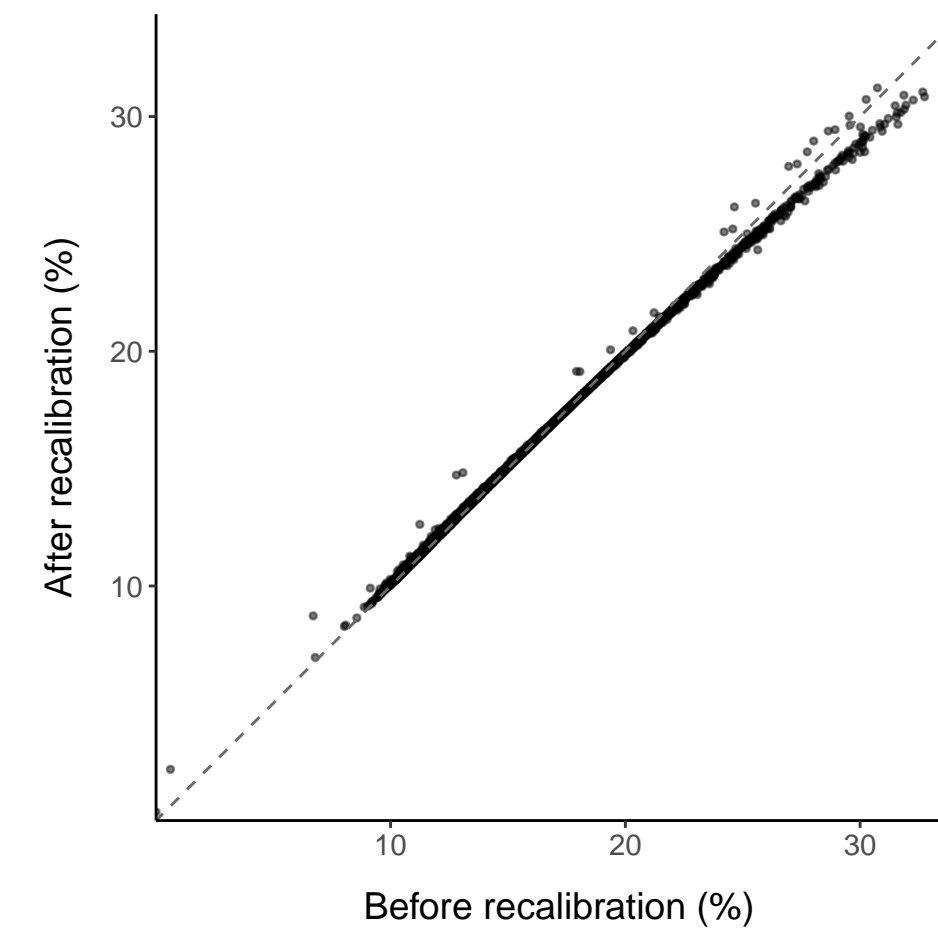
### XL\_HDL\_CE\_pct

R: 1  
 $y = 1.81 + 0.94x$



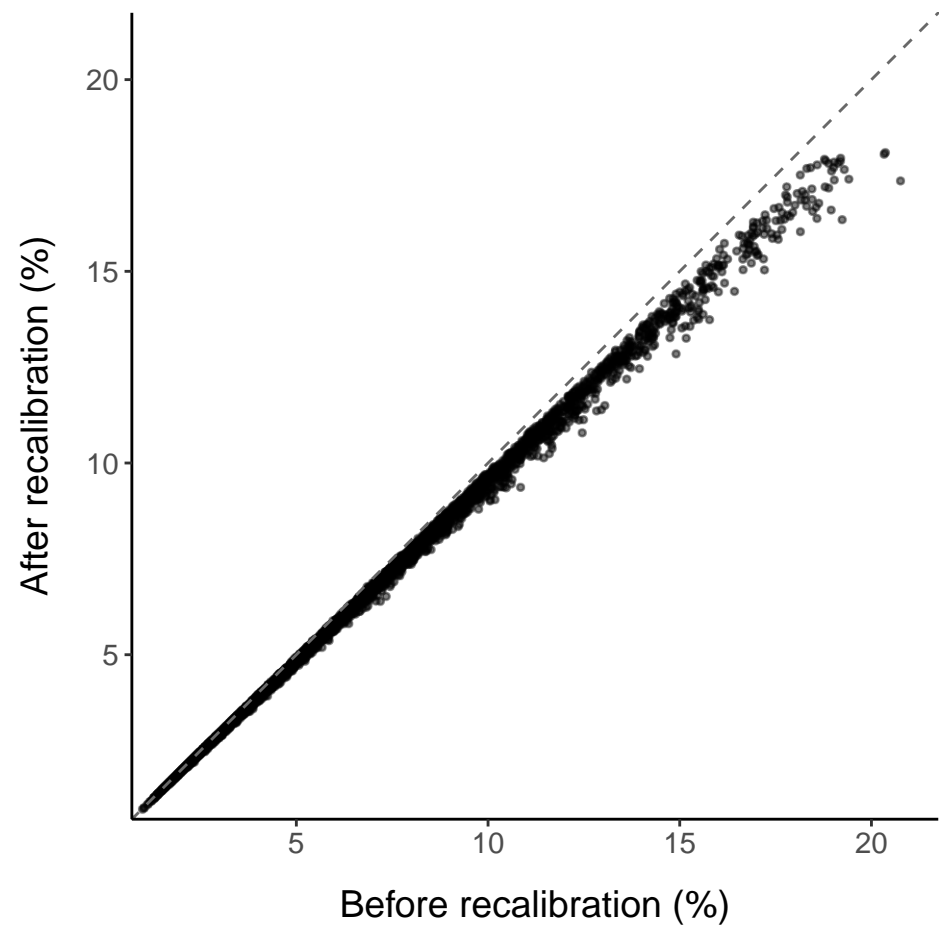
### XL\_HDL\_FC\_pct

R: 1  
 $y = 0.63 + 0.96x$



### XL\_HDL\_TG\_pct

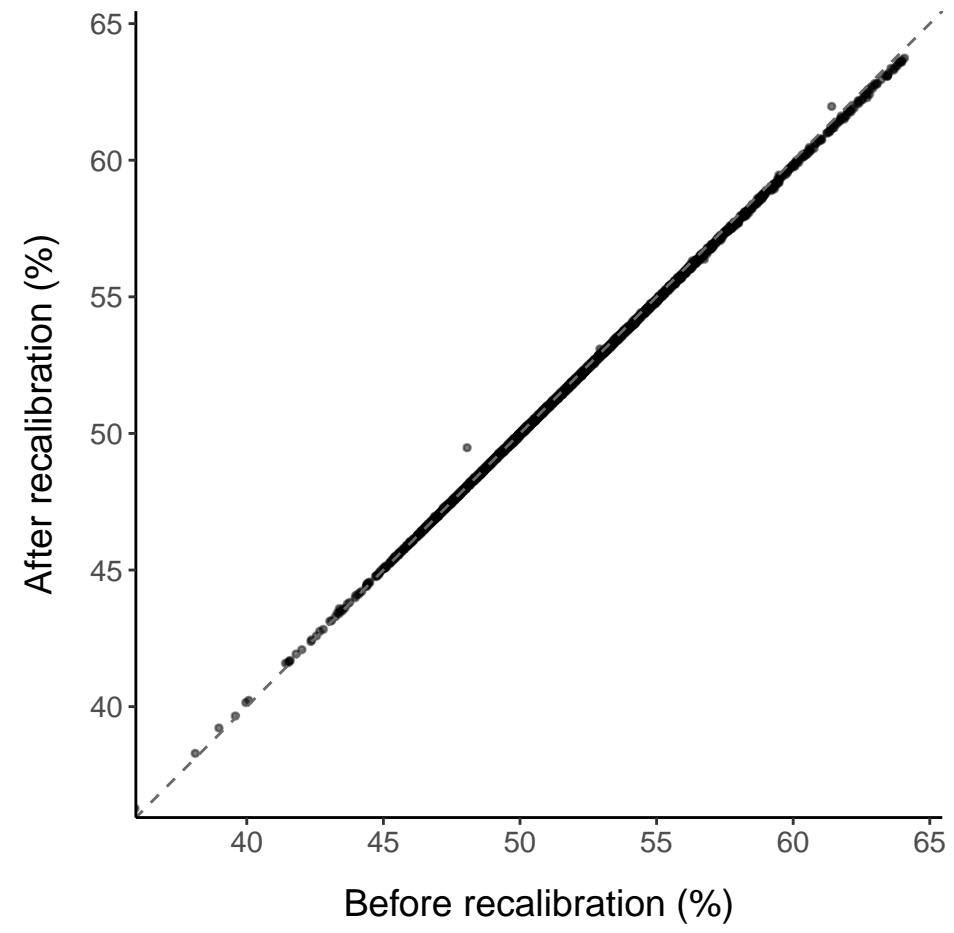
R: 1  
 $y = 0.15 + 0.93x$



# Large HDL ratios

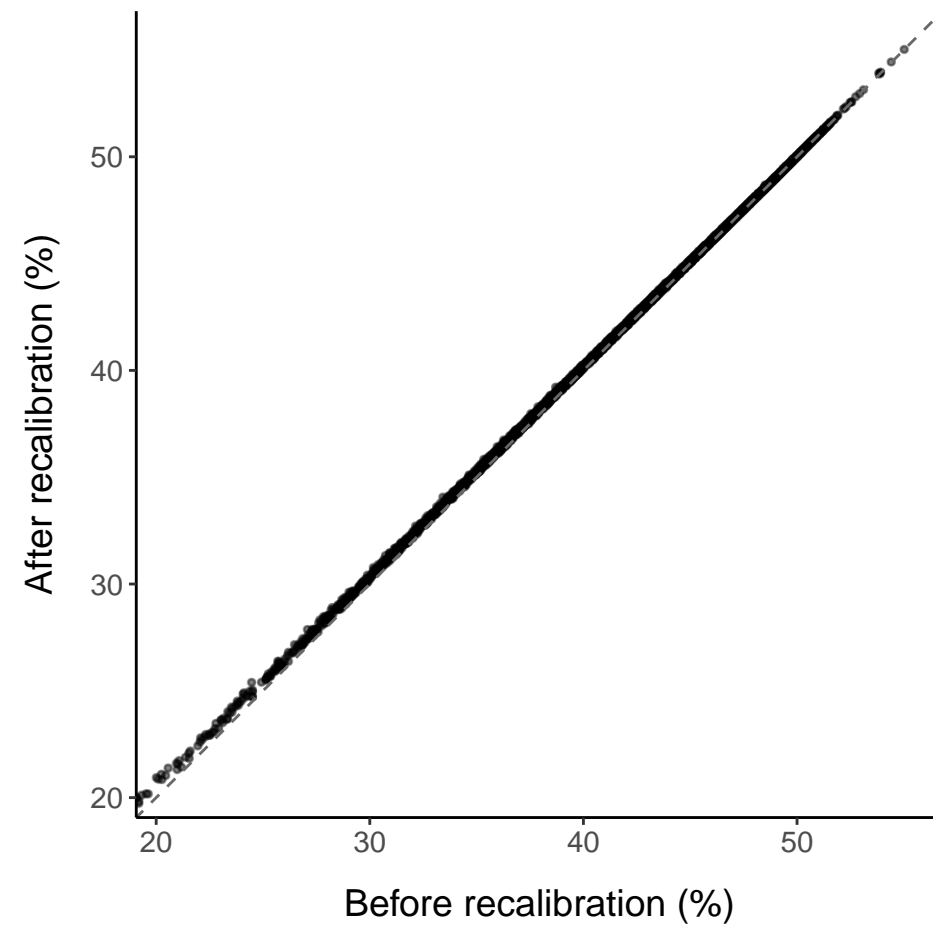
### L\_HDL\_PL\_pct

R: 1  
 $y = 0.76 + 0.98x$



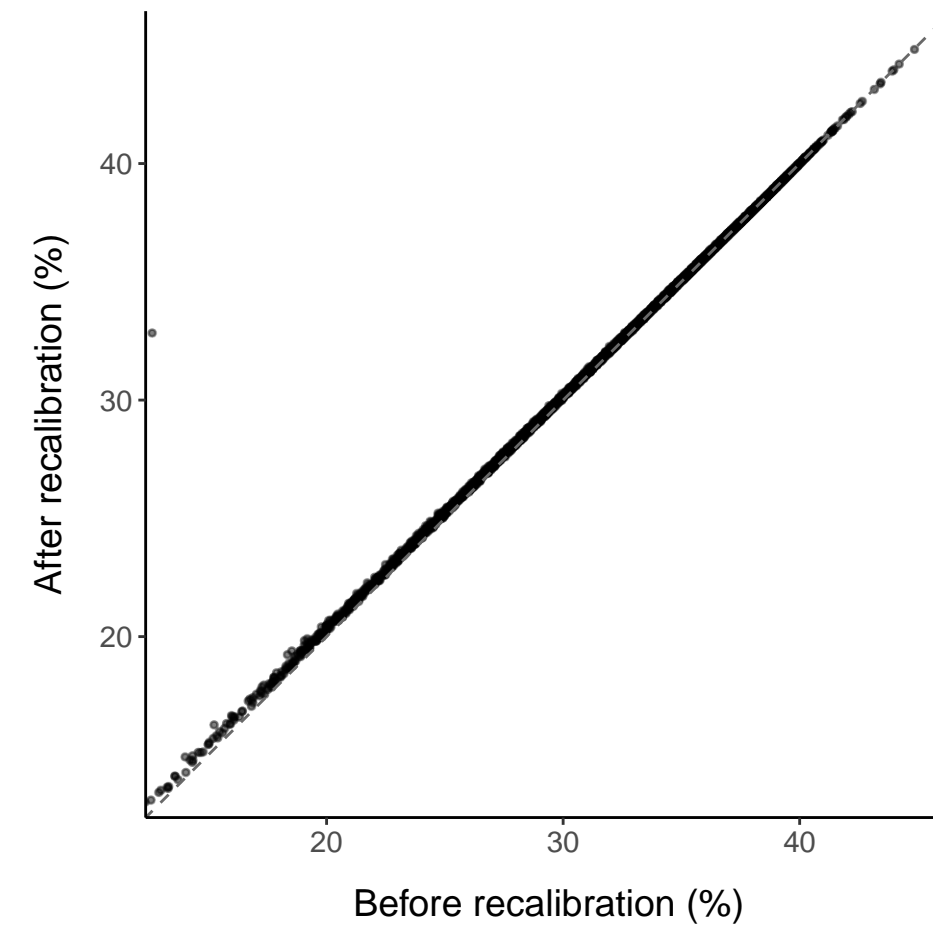
### L\_HDL\_C\_pct

R: 1  
 $y = 0.87 + 0.98x$



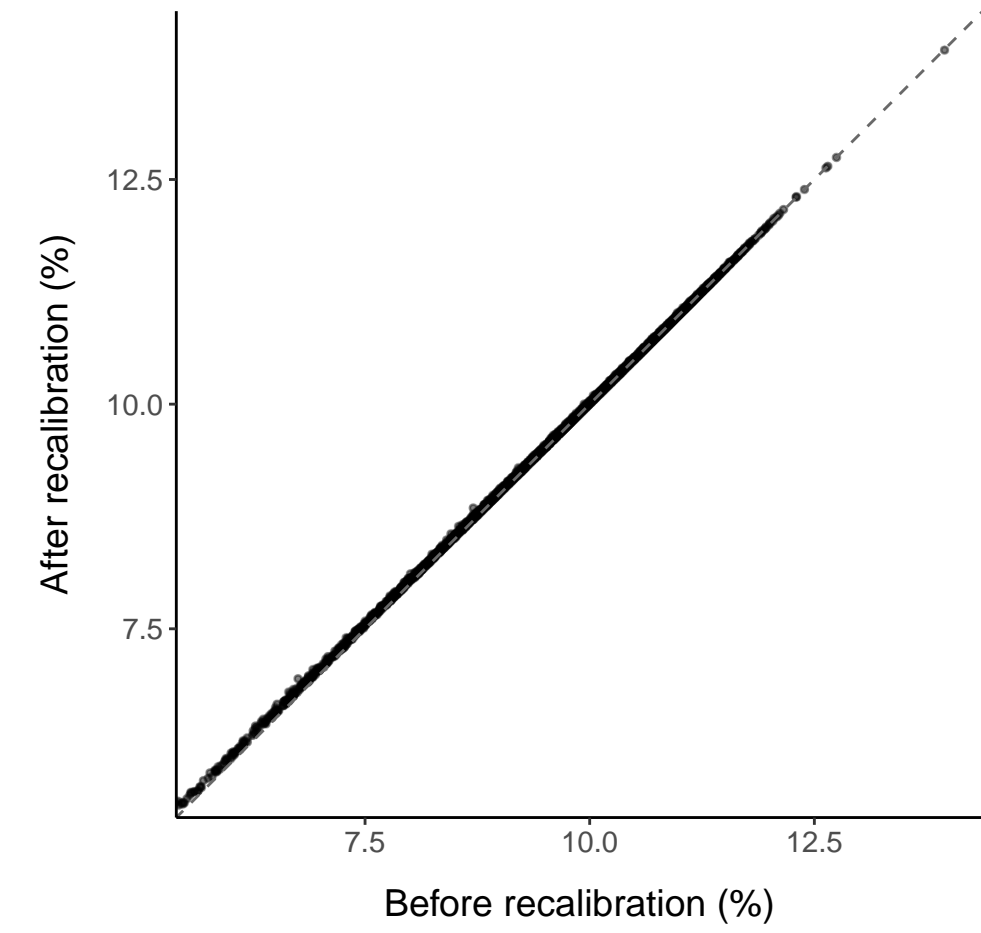
### L\_HDL\_CE\_pct

R: 1  
 $y = 0.75 + 0.98x$



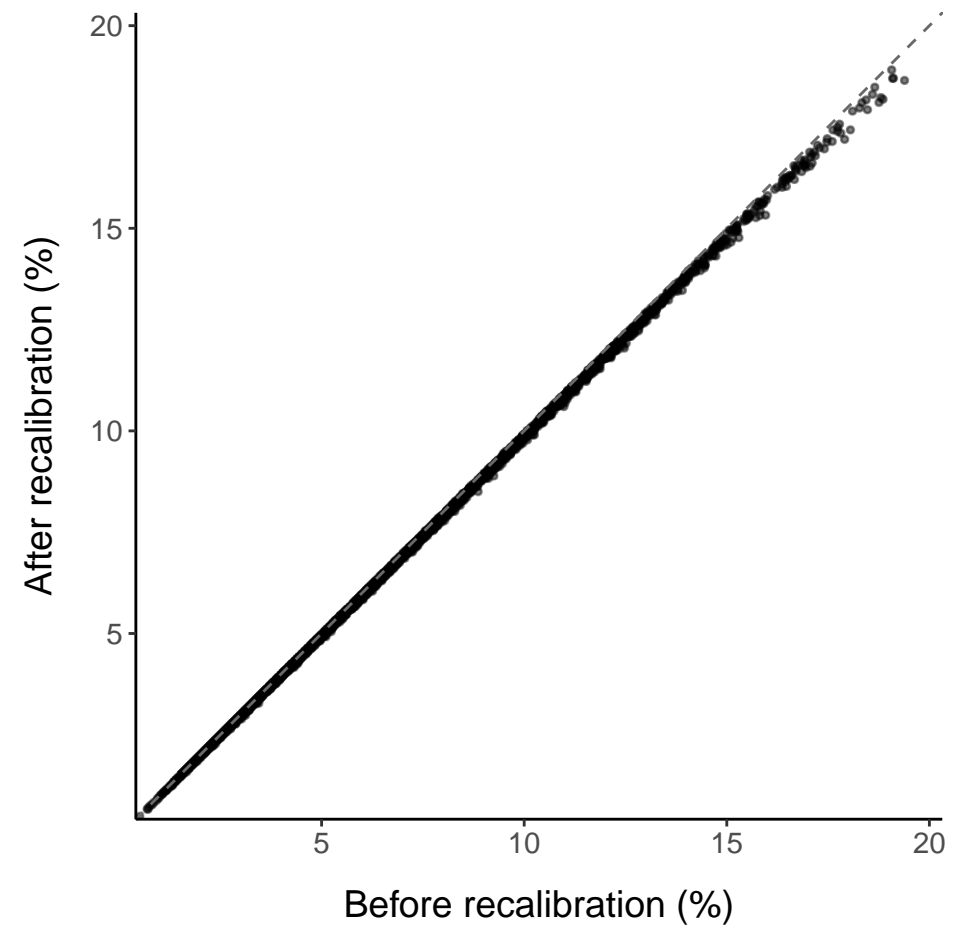
### L\_HDL\_FC\_pct

R: 1  
 $y = 0.15 + 0.99x$



### L\_HDL\_TG\_pct

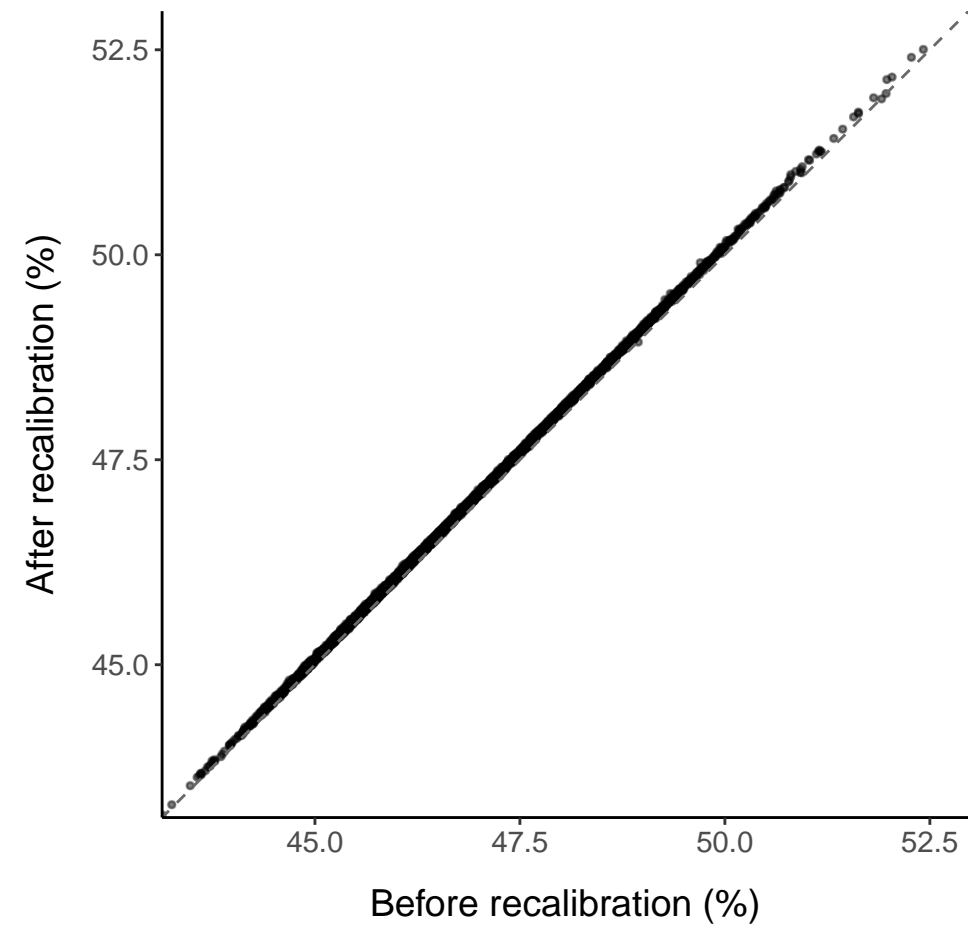
R: 1  
 $y = 0.02 + 0.98x$



# Medium HDL ratios

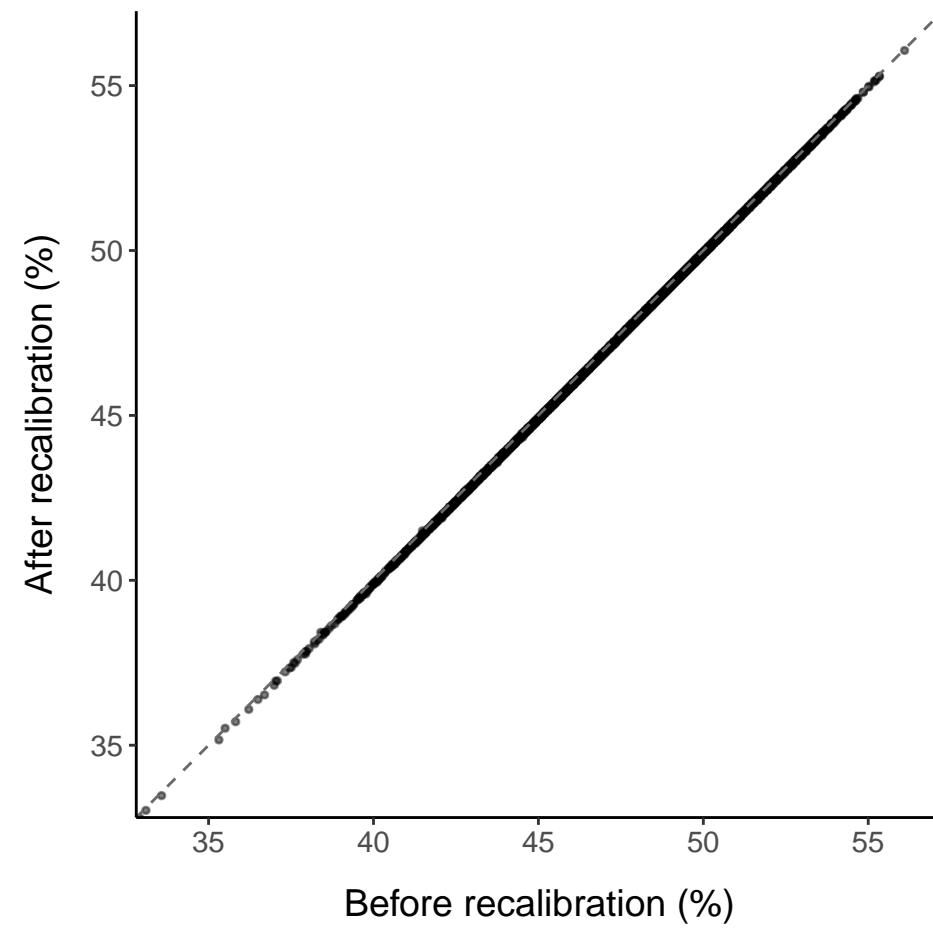
### M\_HDL\_PL\_pct

R: 1  
 $y = -0.40 + 1.01x$



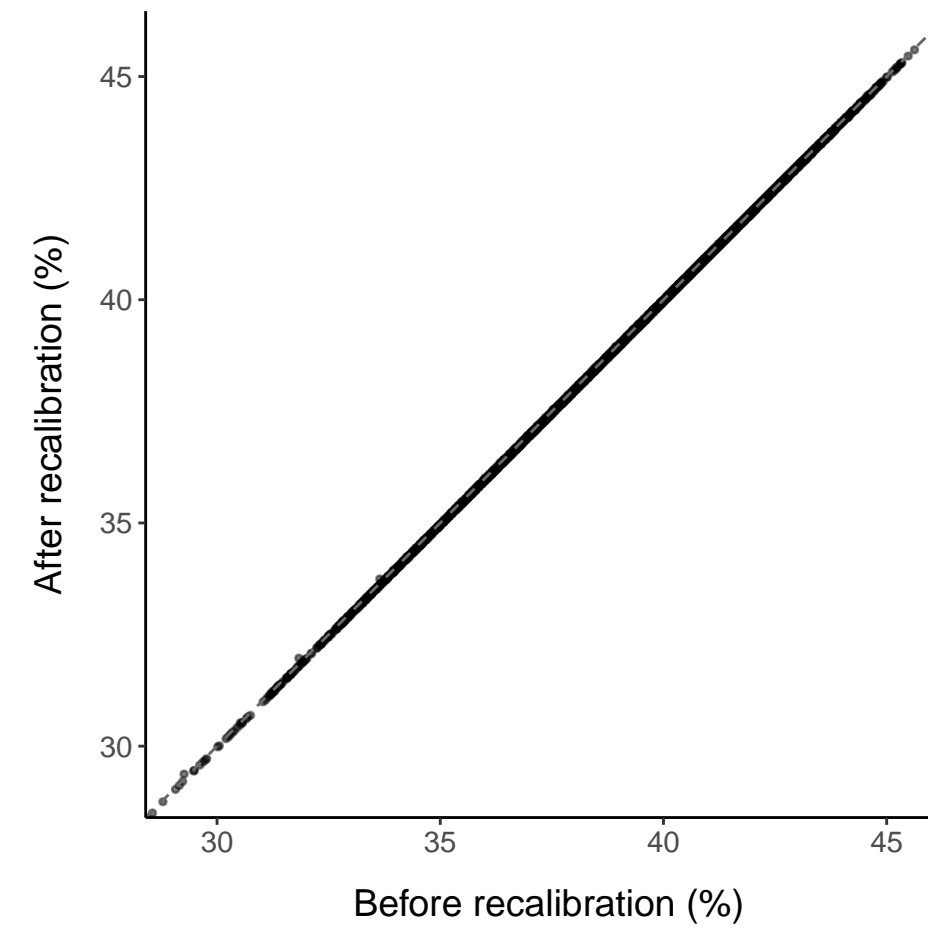
### M\_HDL\_C\_pct

R: 1  
 $y = -0.34 + 1.01x$



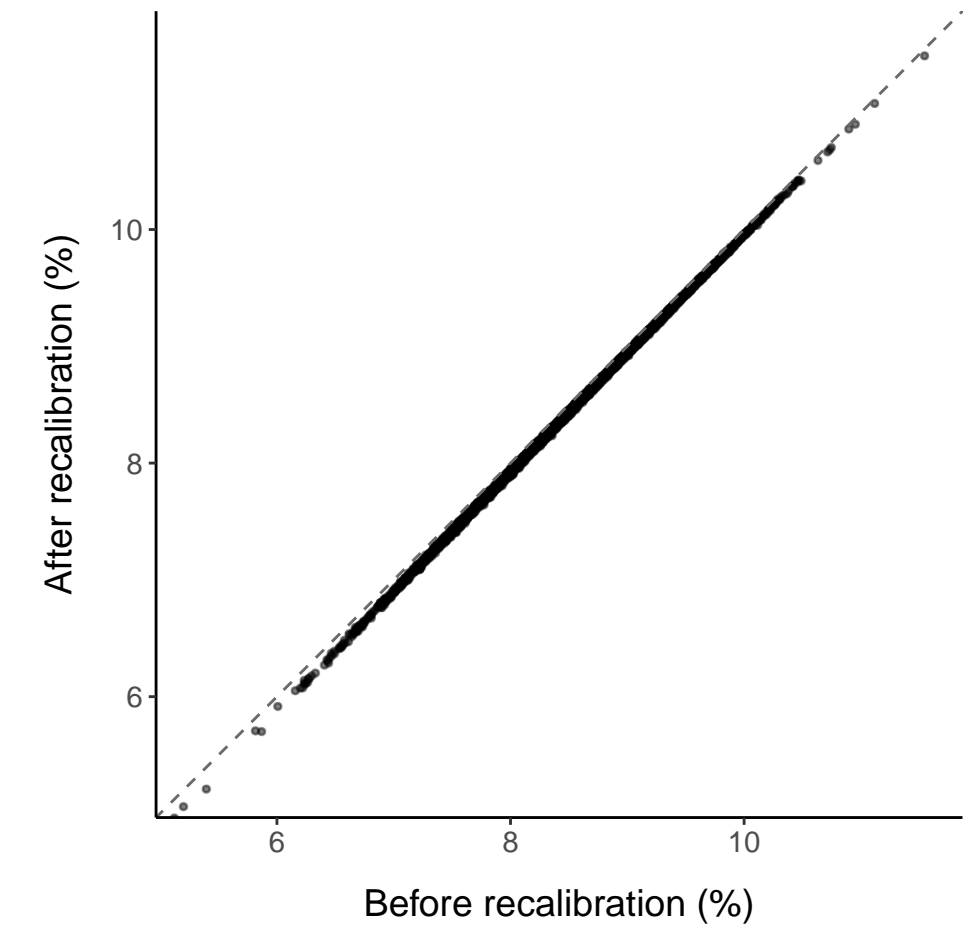
### M\_HDL\_CE\_pct

R: 1  
 $y = -0.17 + 1.00x$



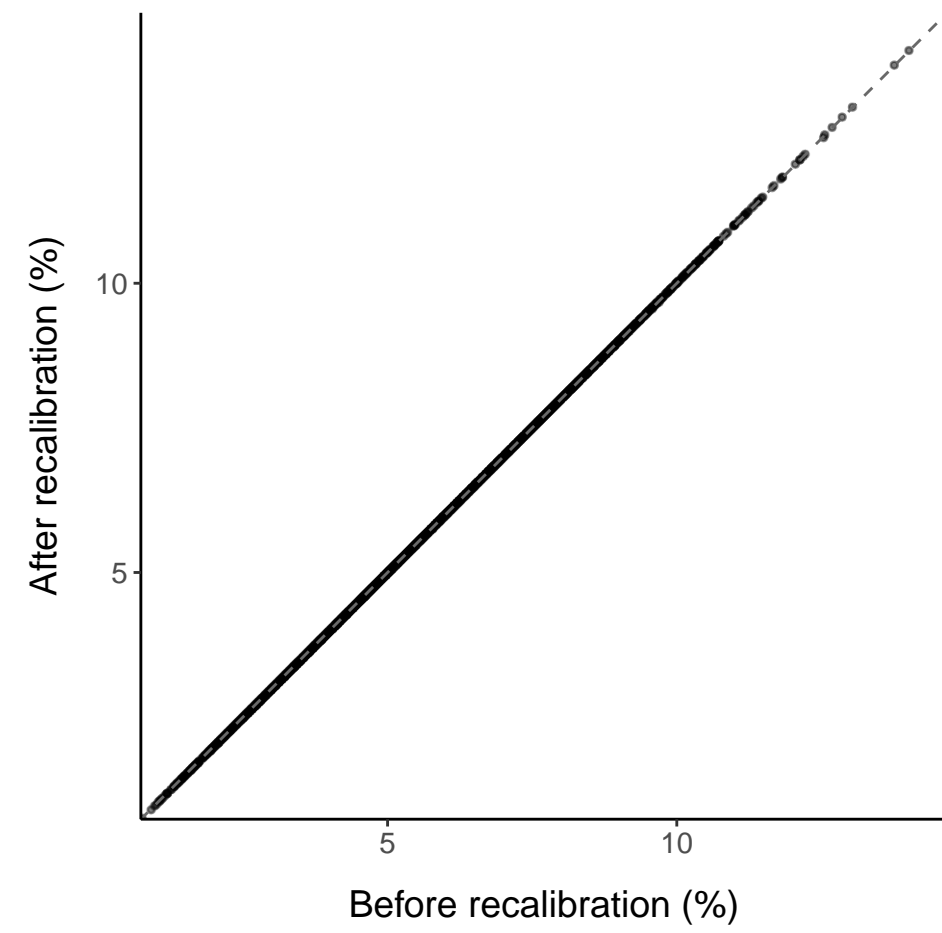
### M\_HDL\_FC\_pct

R: 1  
 $y = -0.22 + 1.02x$



### M\_HDL\_TG\_pct

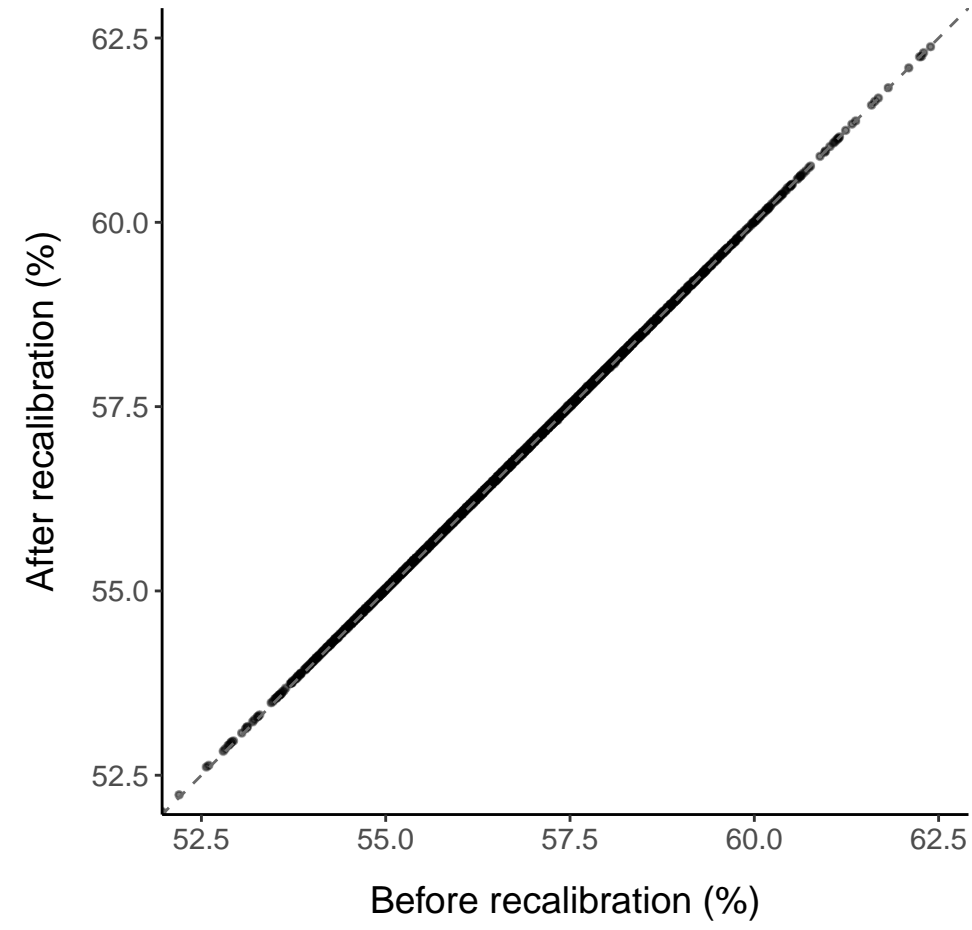
R: 1  
 $y = -0.02 + 1.00x$



# Small HDL ratios

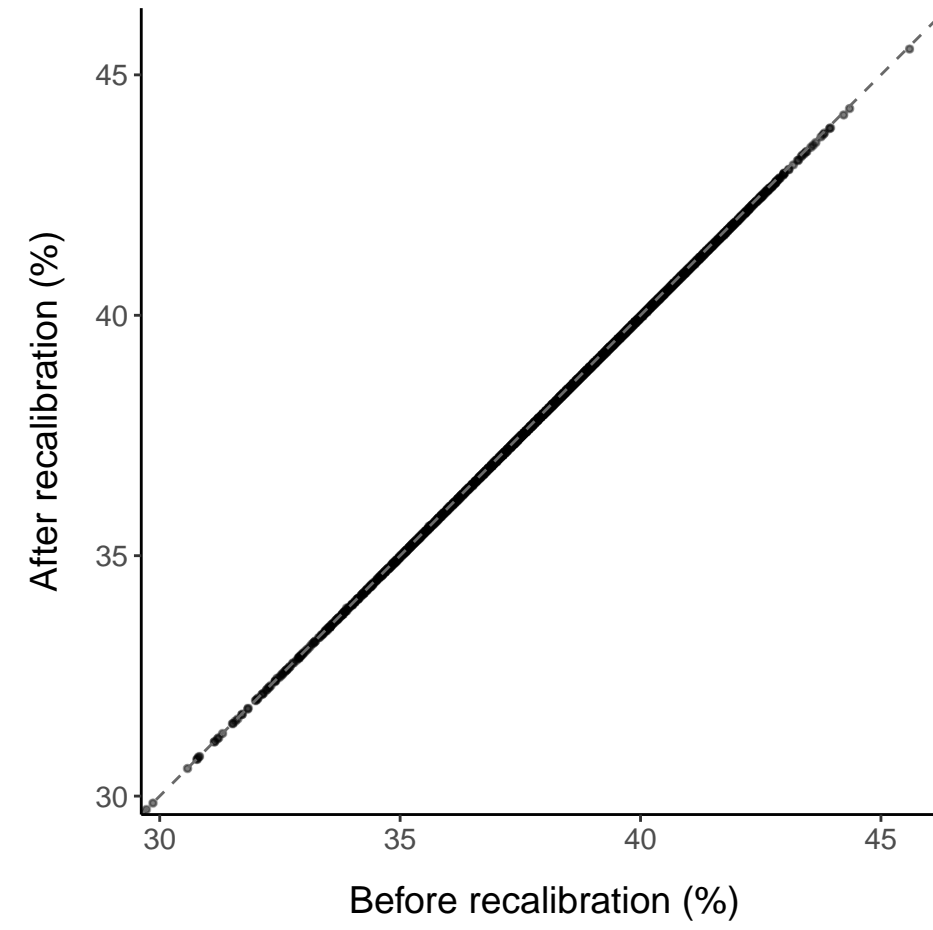
### S\_HDL\_PL\_pct

R: 1  
 $y = 0.22 + 1.00x$



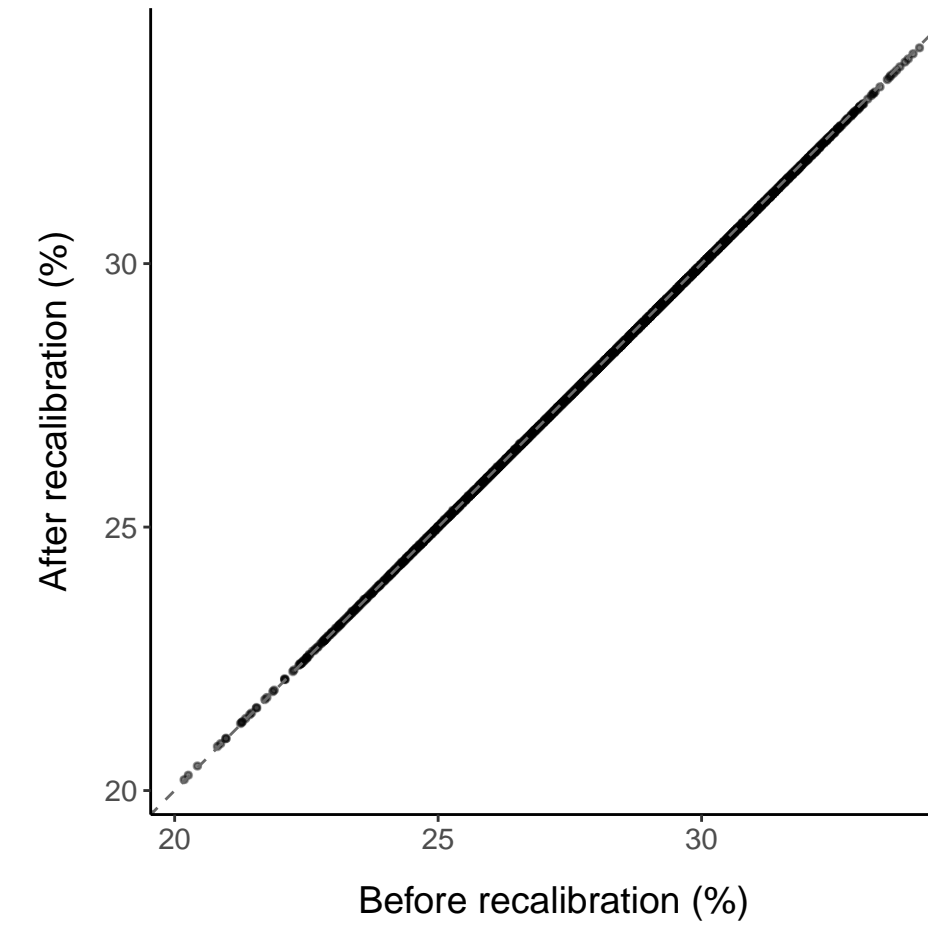
### S\_HDL\_C\_pct

R: 1  
 $y = 0.07 + 1.00x$



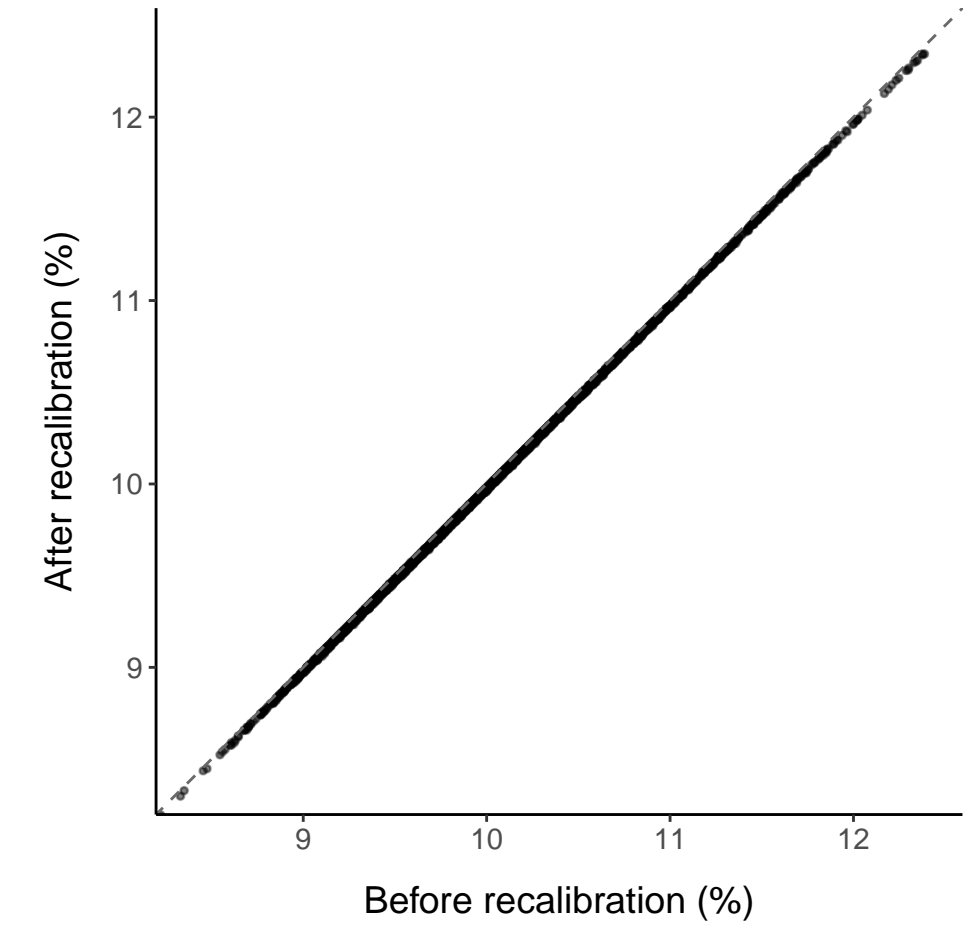
### S\_HDL\_CE\_pct

R: 1  
 $y = 0.07 + 1.00x$



### S\_HDL\_FC\_pct

R: 1  
 $y = 0.01 + 1.00x$



### S\_HDL\_TG\_pct

R: 1  
 $y = 0.02 + 1.00x$

