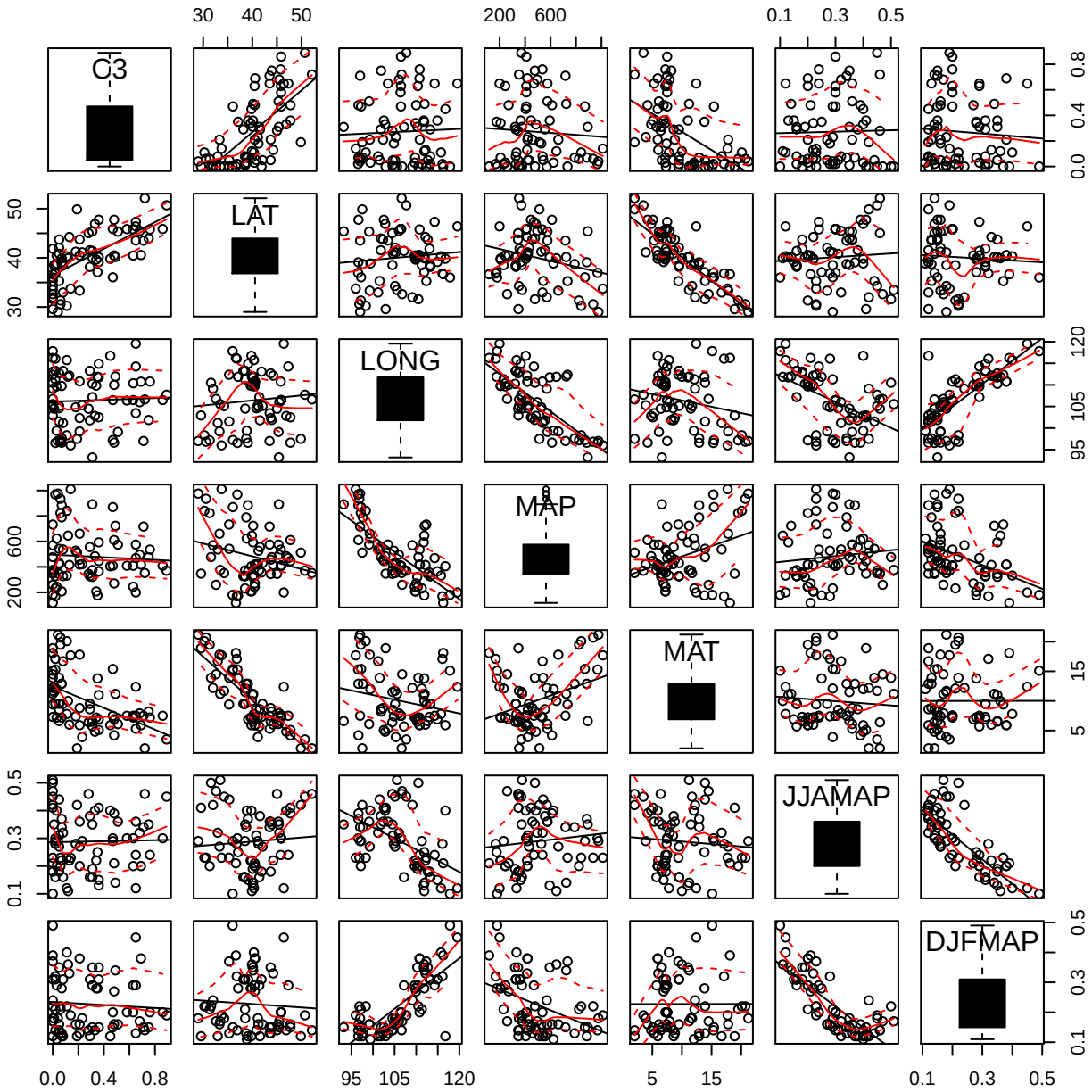
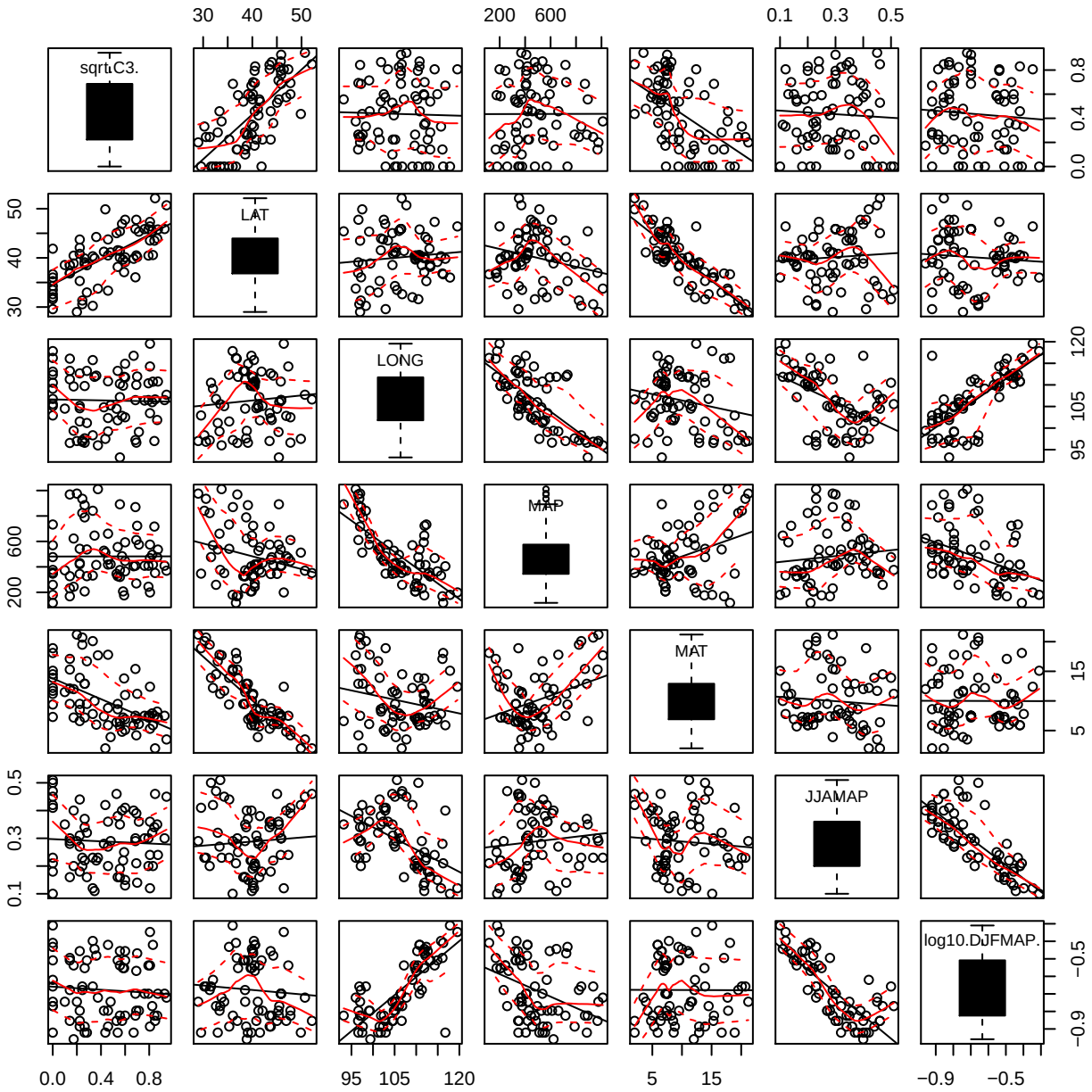
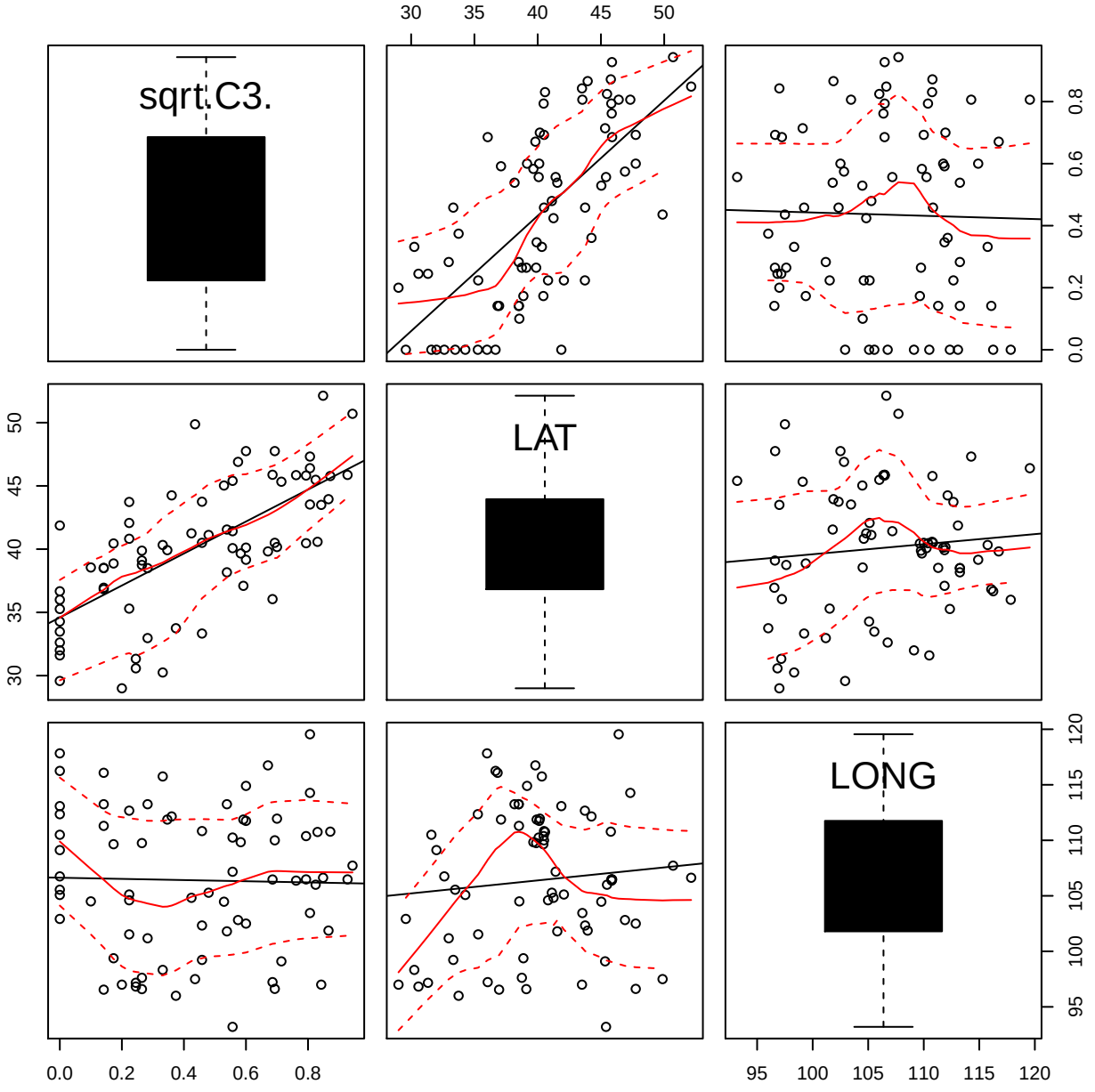
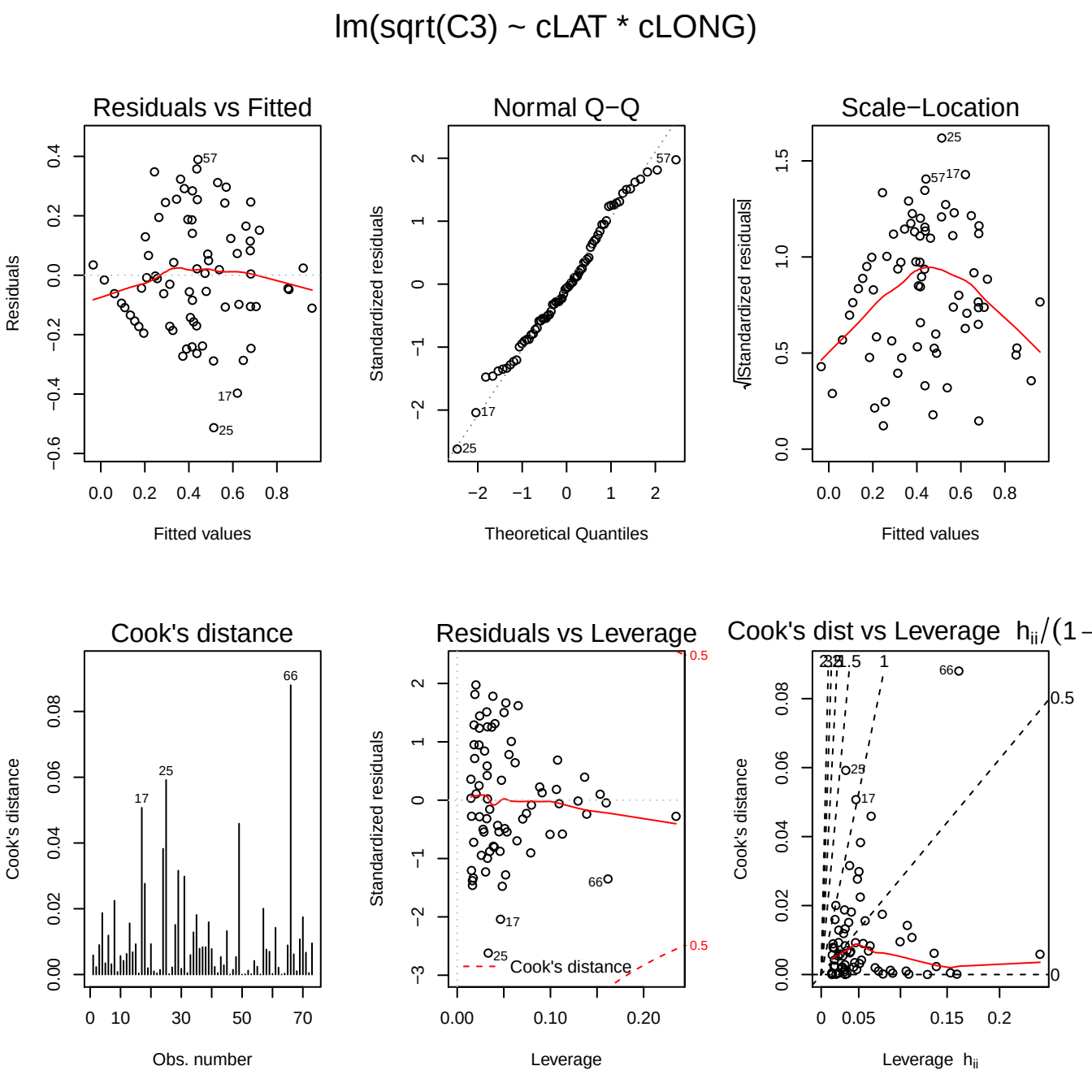
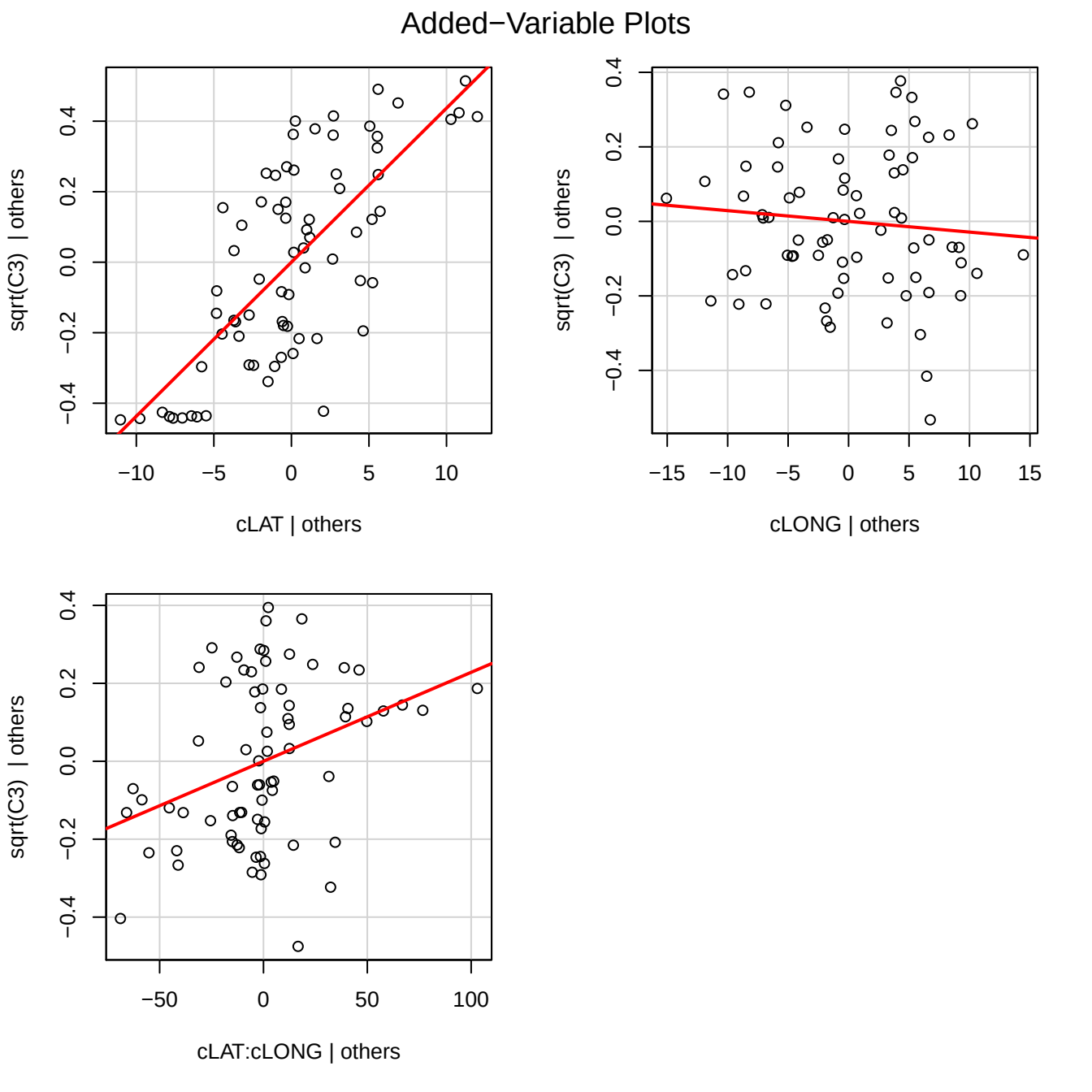
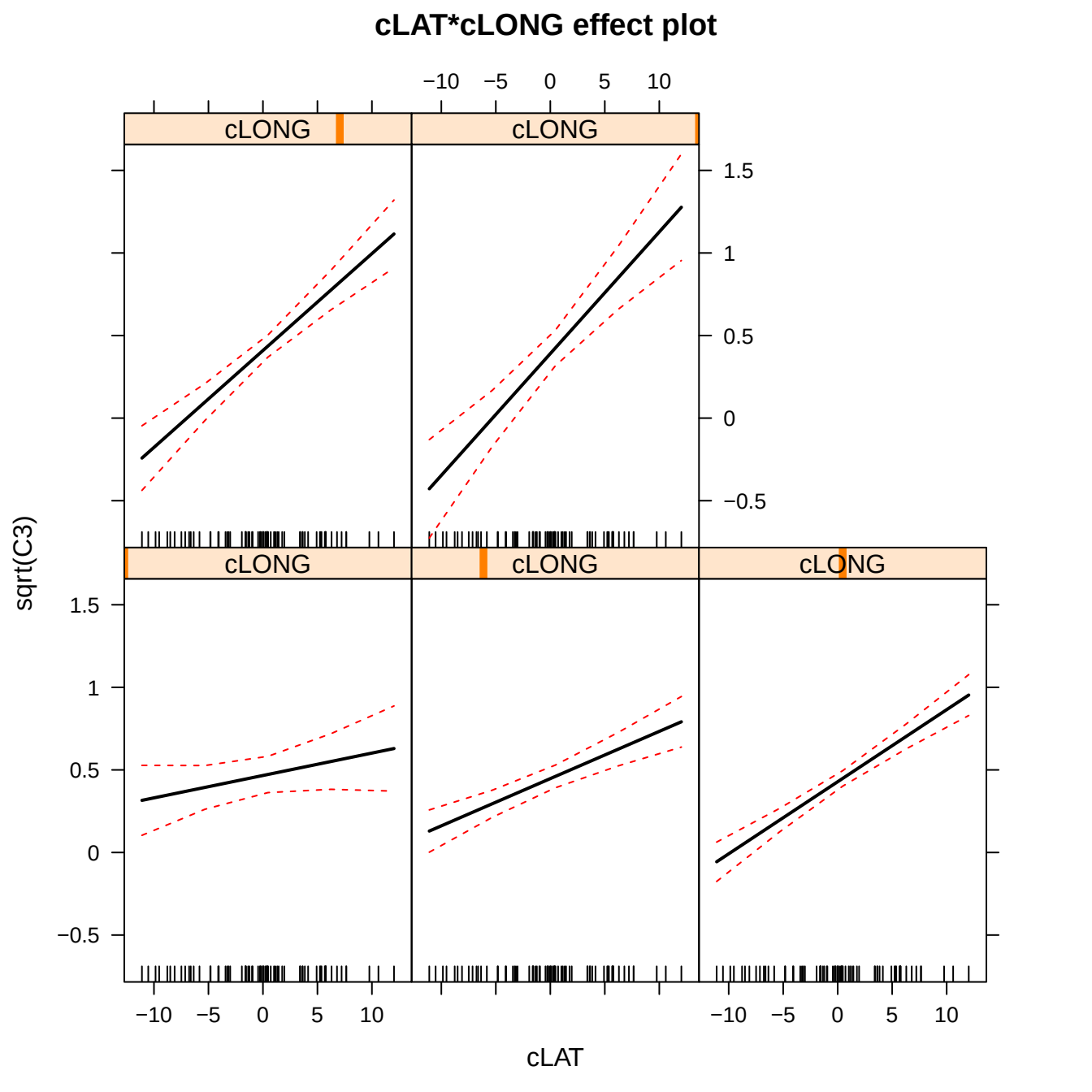

C3
LAT
LONG
MAP
MAT
JJAMAP
DJFMAP
30 40 50
200 600
0.1 0.3 0.5
0.0 0.4 0.8
30 40 50
95 105 120
200 600
5 15
0.1 0.3 0.5
0.0 0.4 0.8
95 105 120
5 15
0.1 0.3 0.5

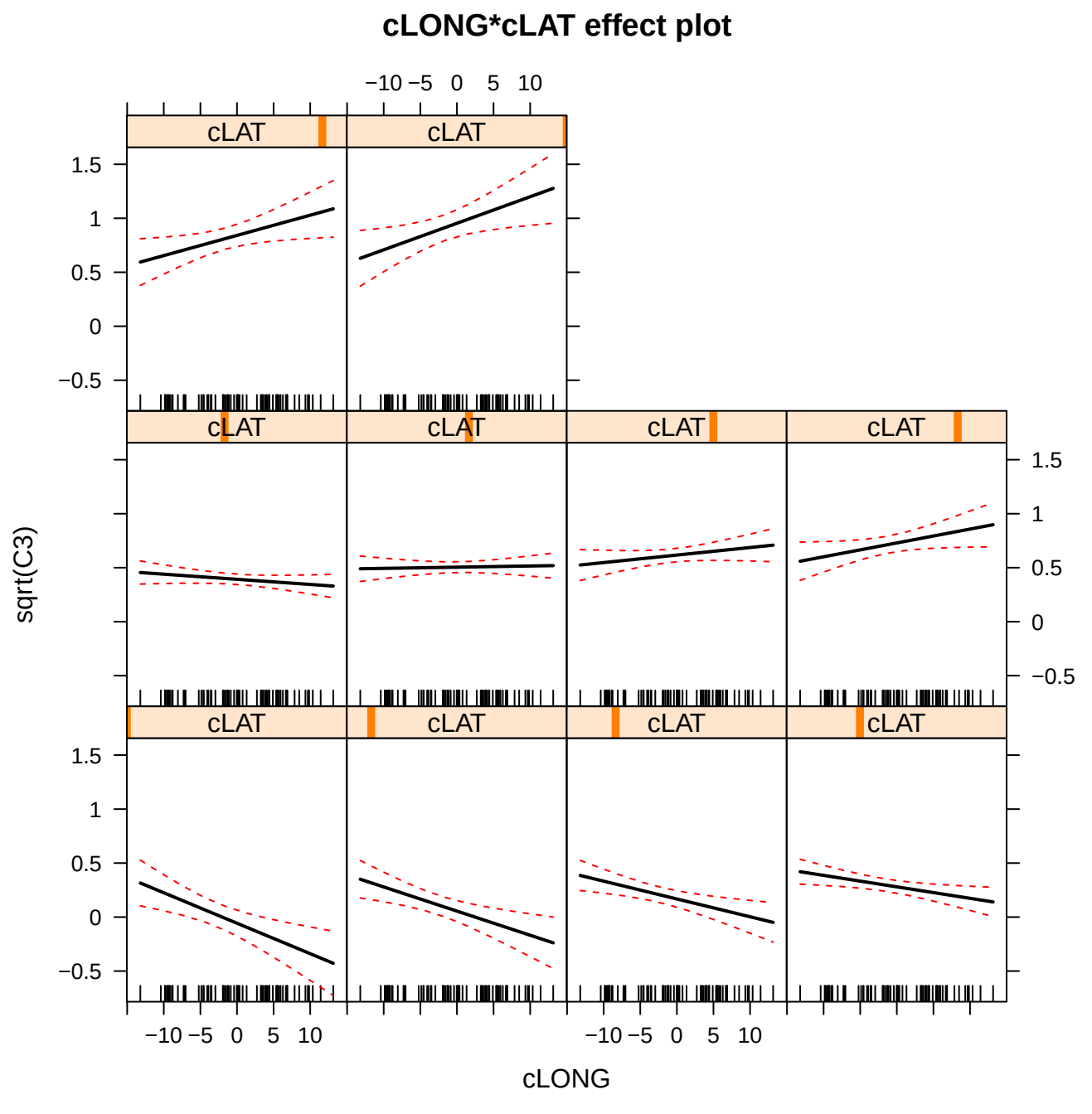

sqrt.C3.
LAT
LONG
MAP
MAT
JJAMAP
log10.DJFMAP.

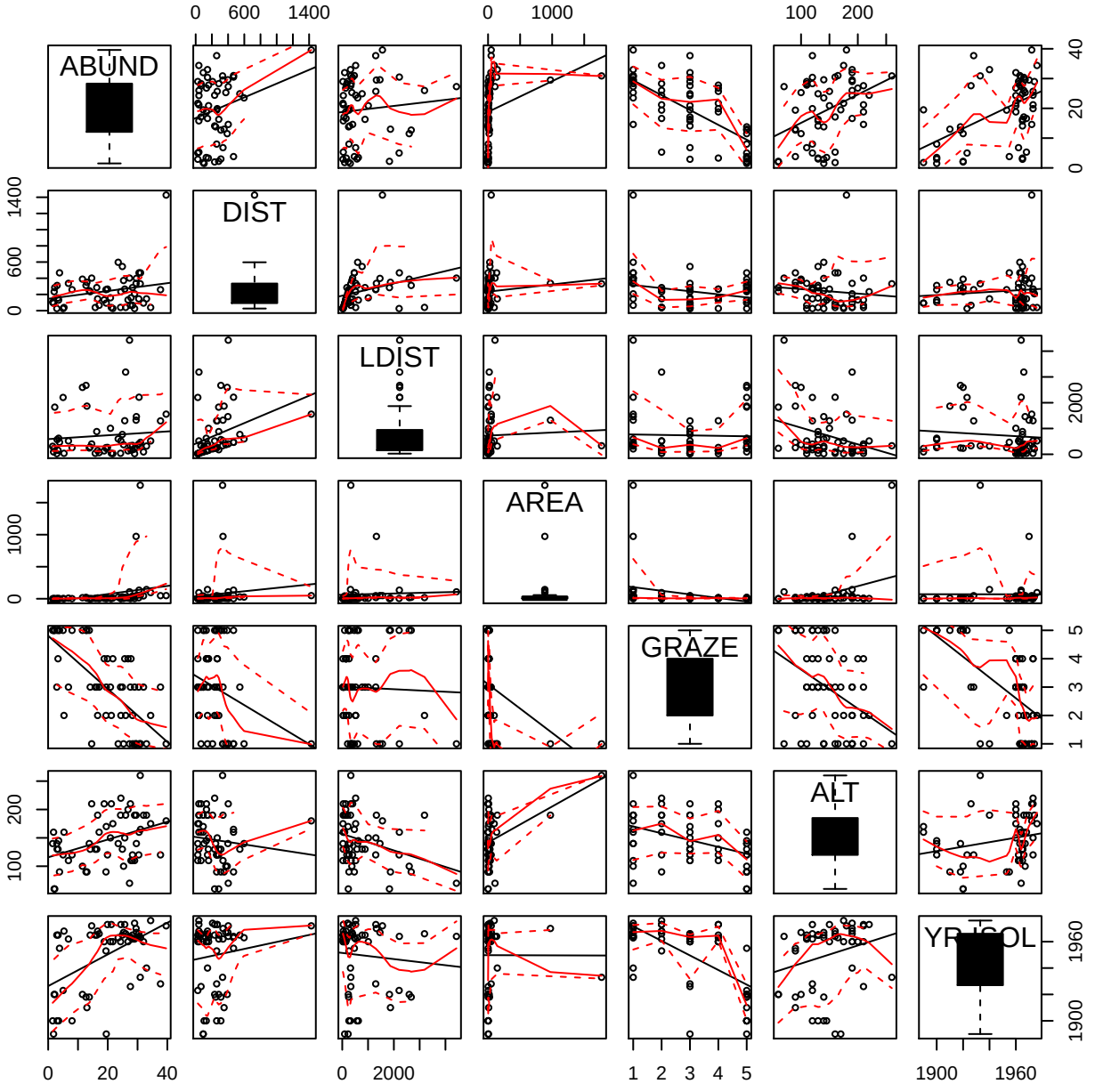

sqrt.C3.
LAT
LONG
30
35
40
45
50
0.0
0.2
0.4
0.6
0.8
95
100
105
110
115
120

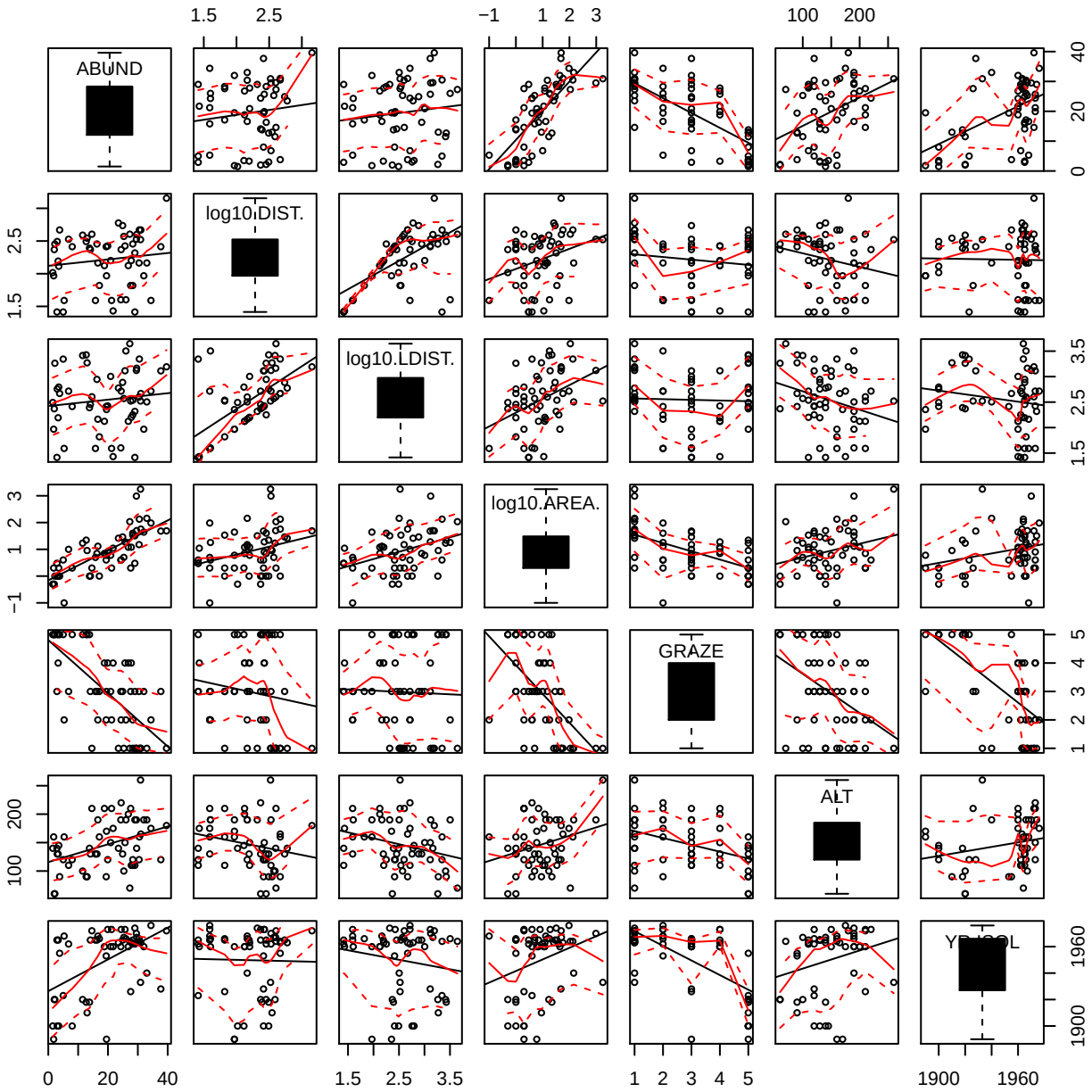
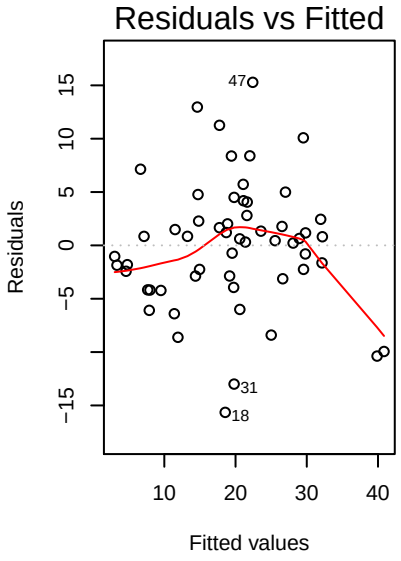
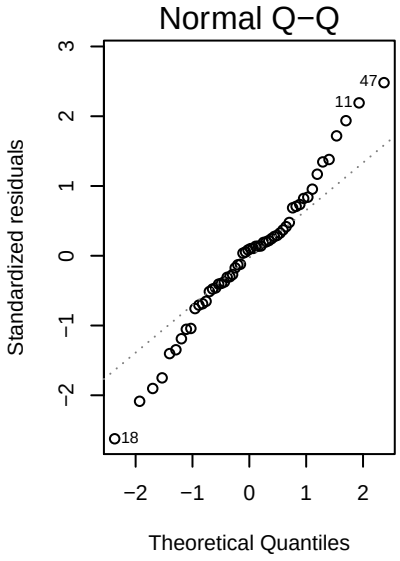
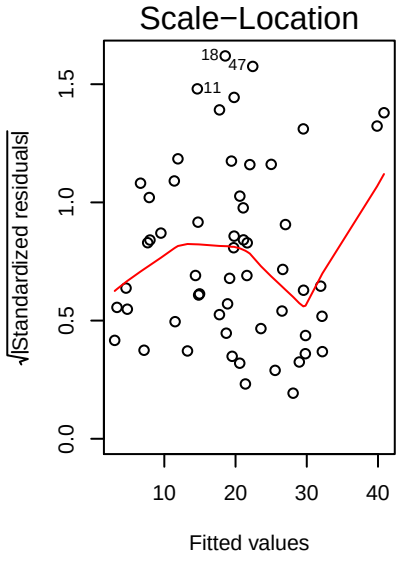
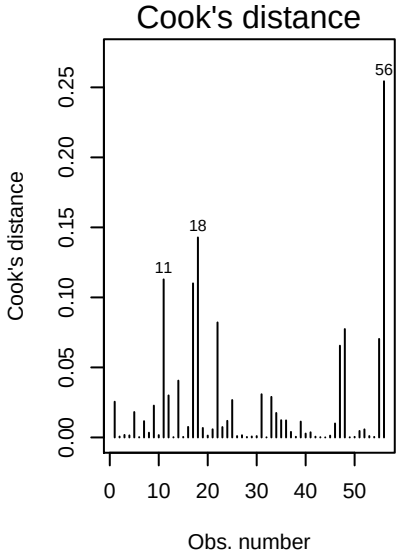
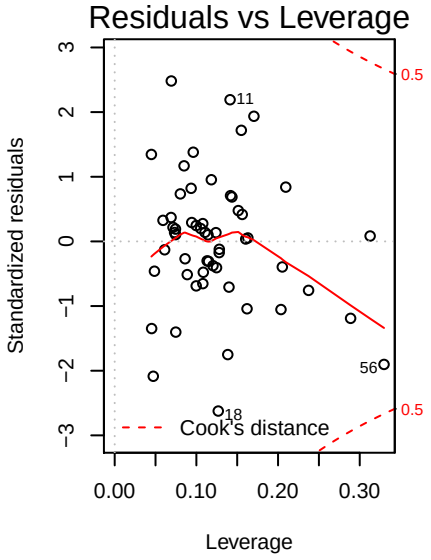
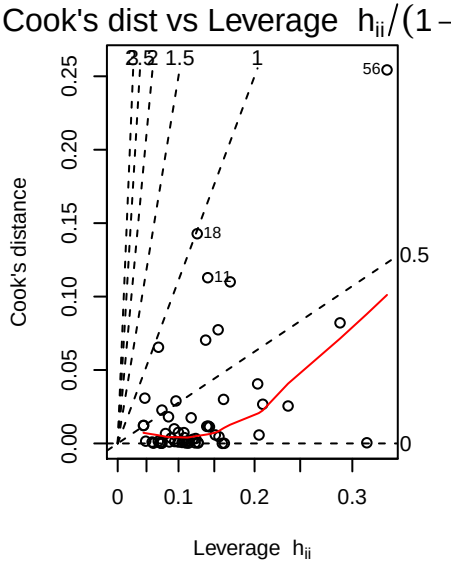

lm(sqrt(C3) ~ cLAT * cLONG)
Residuals vs Fitted
Residuals
Fitted values
Normal Q−Q
Standardized residuals
Theoretical Quantiles
Scale−Location
√|Standardized residuals|
Fitted values
Cook's distance
Cook's distance
Obs. number
Residuals vs Leverage
Standardized residuals
Leverage
Cook's distance
Cook's dist vs Leverage hii/(1−
Cook's distance
Leverage hii


Added−Variable Plots
sqrt(C3) | others
cLAT | others
−10
−5
0
5
10
−0.4
−0.2
0.0
0.2
0.4
sqrt(C3) | others
cLONG | others
−15
−10
−5
0
5
10
15
−0.4
−0.2
0.0
0.2
0.4
sqrt(C3) | others
cLAT:cLONG | others
−50
0
50
100
−0.4
−0.2
0.0
0.2
0.4


cLAT*cLONG effect plot
cLONG
cLONG
cLONG
cLONG
cLONG
−10 −5 0 5 10
1.5
1
0.5
0
−0.5
sqrt(C3)
cLAT


cLONG*cLAT effect plot
cLAT
sqrt(C3)
cLONG
−10 −5 0 5 10
1.5
1
0.5
0
−0.5


ABUND
DIST
LDIST
AREA
GRAZE
ALT
YR.ISOL
0
600
1400
0
1000
100
200
0
20
40
0
600
1400
0
2000
0
1000
1
2
3
4
5
100
200
1900
1960
0
20
40
0
2000
1
2
3
4
5
1900
1960


ABUND
log10.DIST.
log10.LDIST.
log10.AREA.
GRAZE
ALT
YR.ISOL

UND ~ log10(DIST) + log10(LDIST) + log10(AREA) + GRAZE + ALT + YR.IS