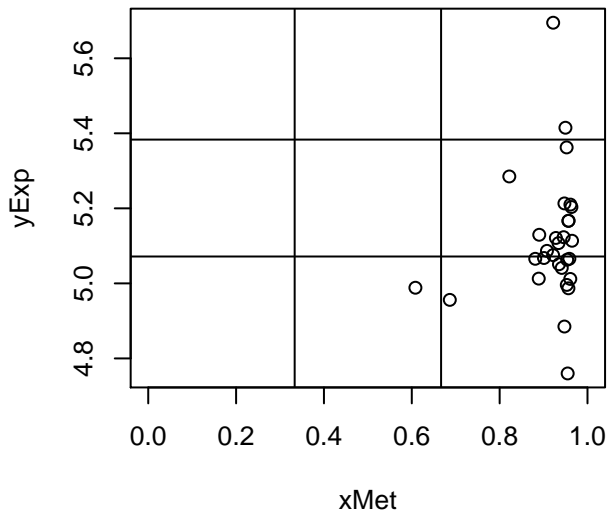
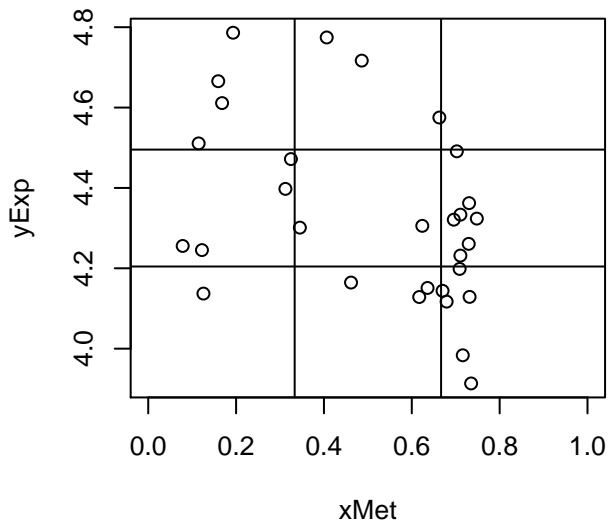


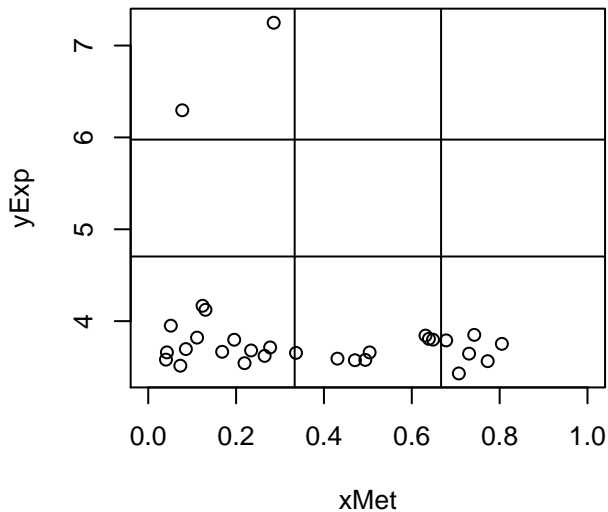
A1BG
L-shaped = FALSE



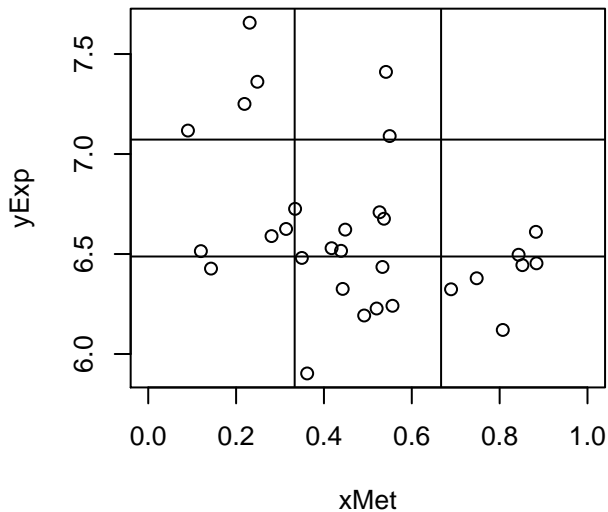
A2M
L-shaped = FALSE



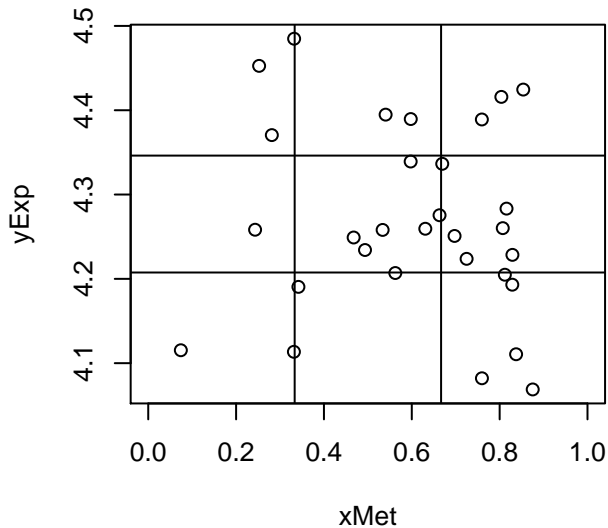
A2ML1
L-shaped = FALSE



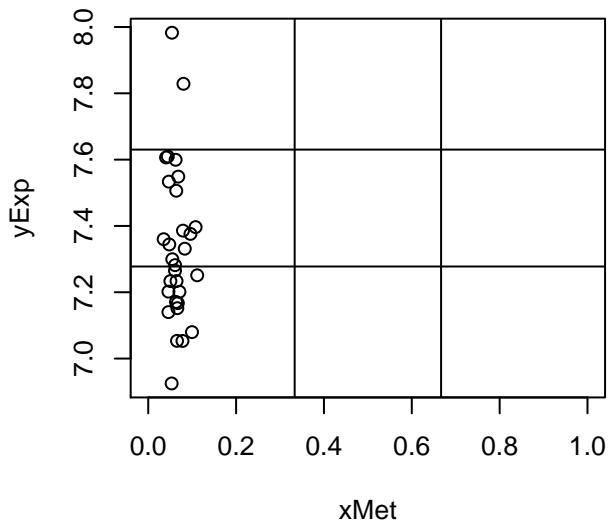
A4GALT
L-shaped = TRUE



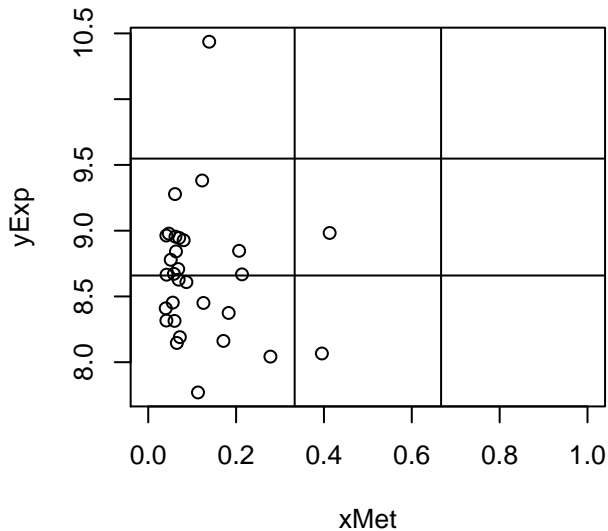
A4GNT
L-shaped = FALSE



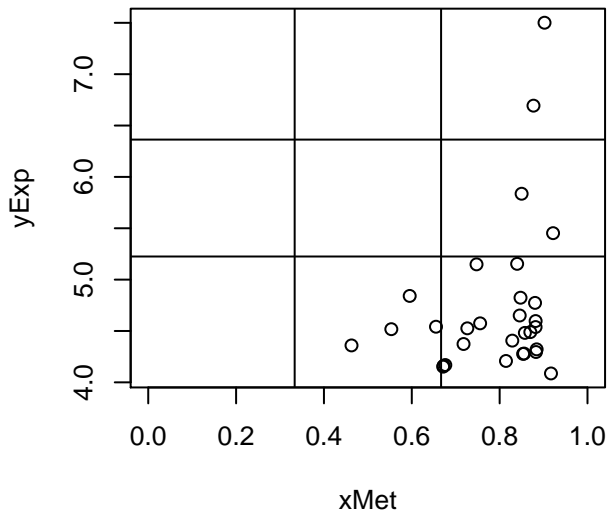
AAAS
L-shaped = FALSE



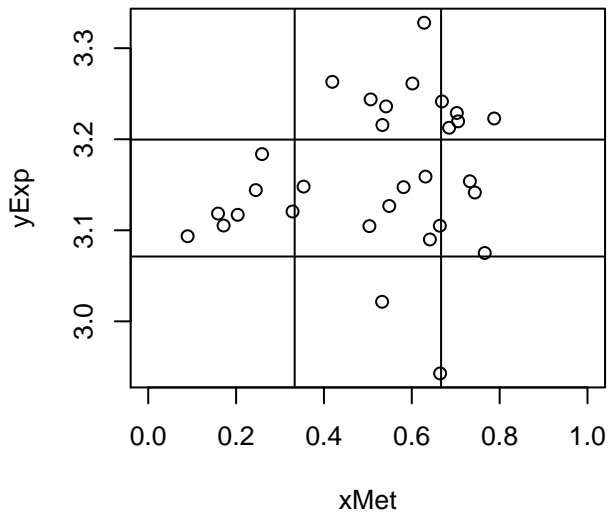
AACS
L-shaped = FALSE



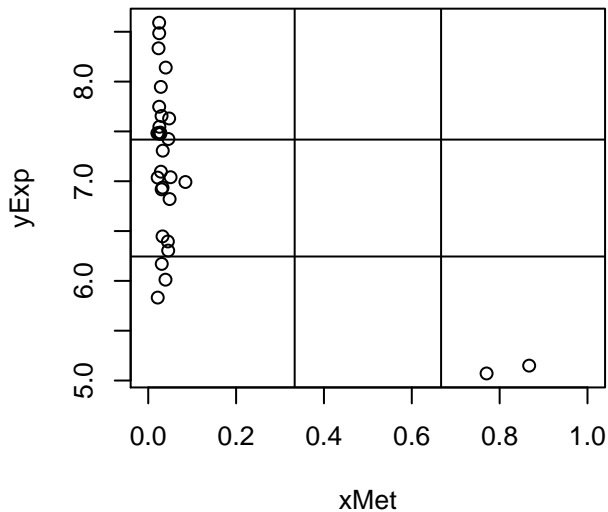
AADAC
L-shaped = FALSE



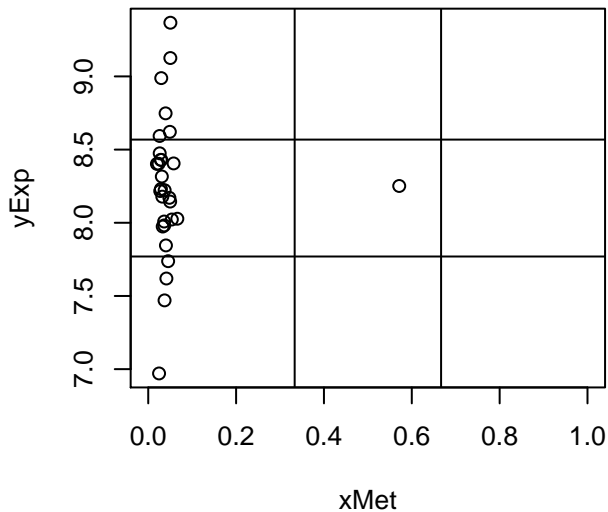
AADACL2
L-shaped = FALSE



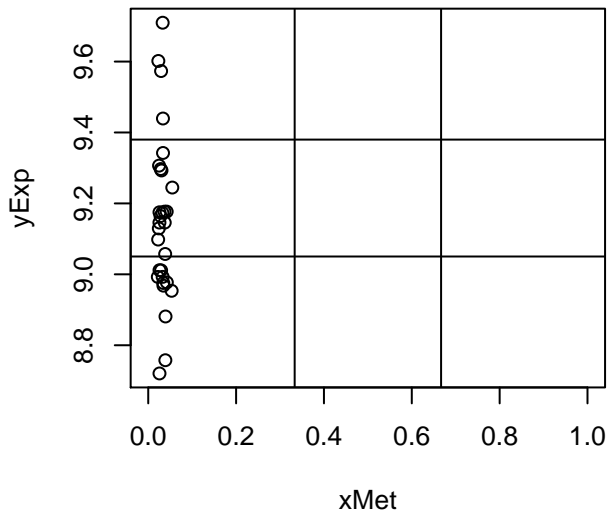
AADAT
L-shaped = FALSE



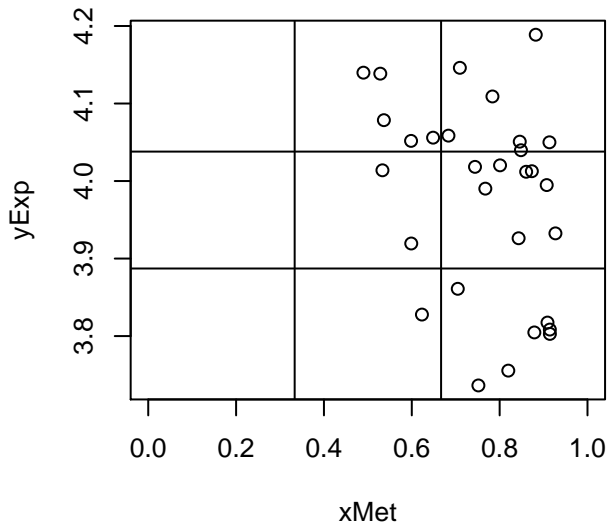
AAK1
L-shaped = FALSE



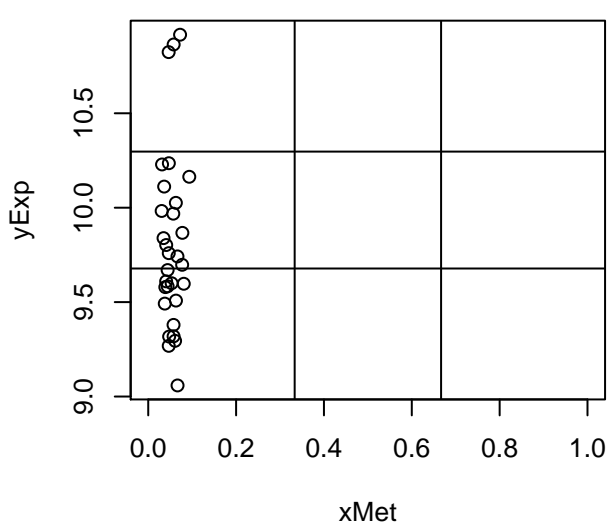
AAMP
L-shaped = FALSE



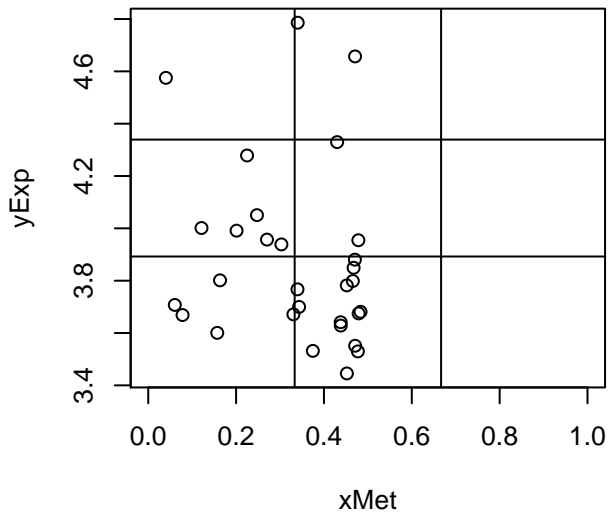
AANAT
L-shaped = FALSE



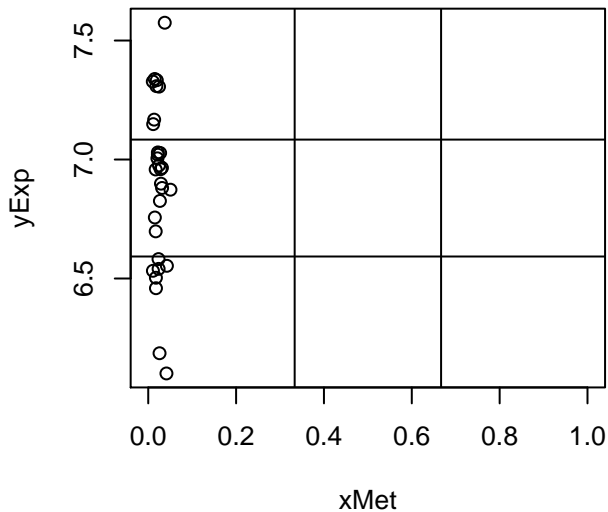
AARS
L-shaped = FALSE



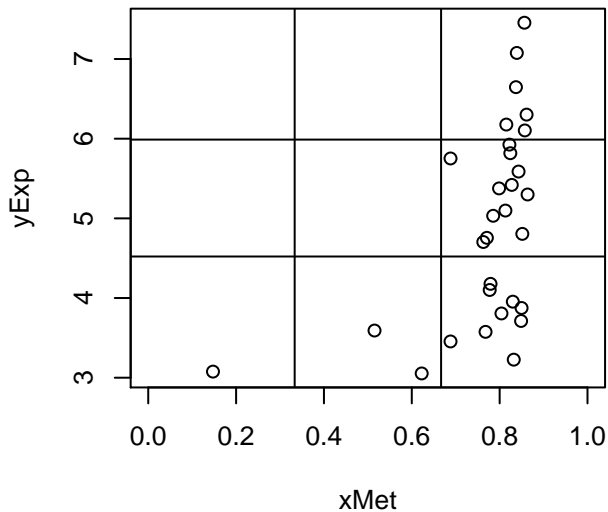
AARSD1
L-shaped = FALSE



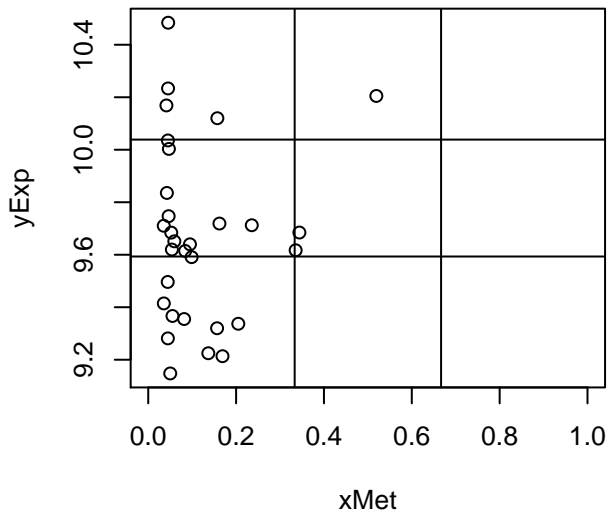
AASDH
L-shaped = FALSE



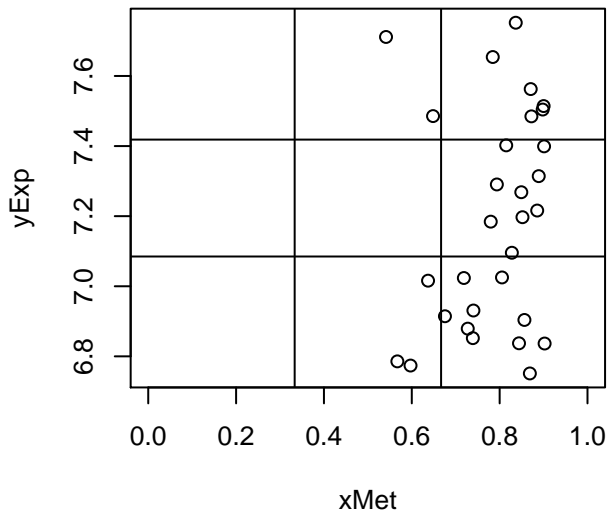
AASS
L-shaped = FALSE



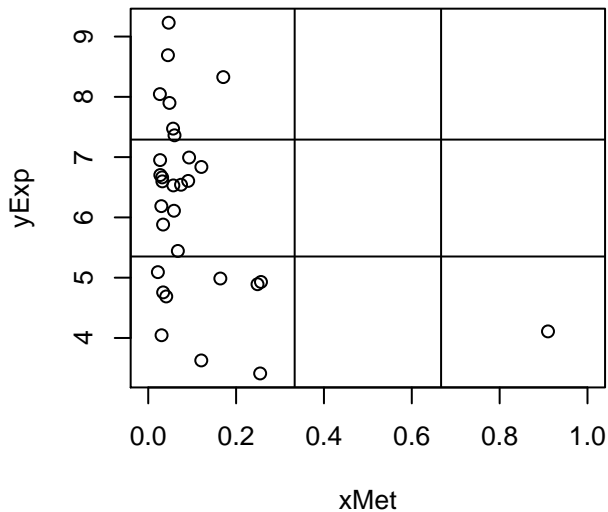
AATF
L-shaped = FALSE



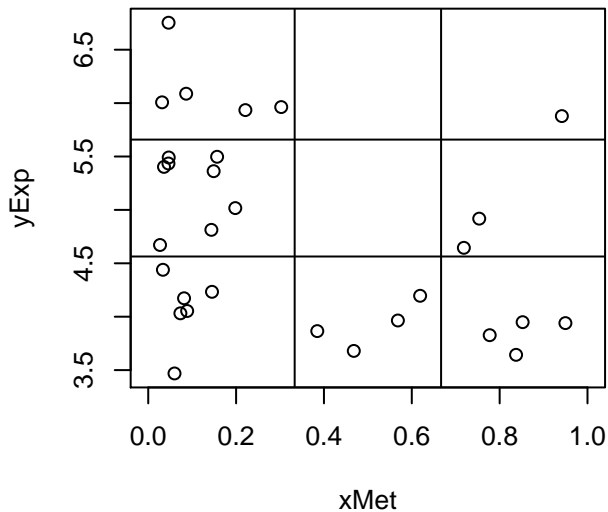
AATK
L-shaped = FALSE



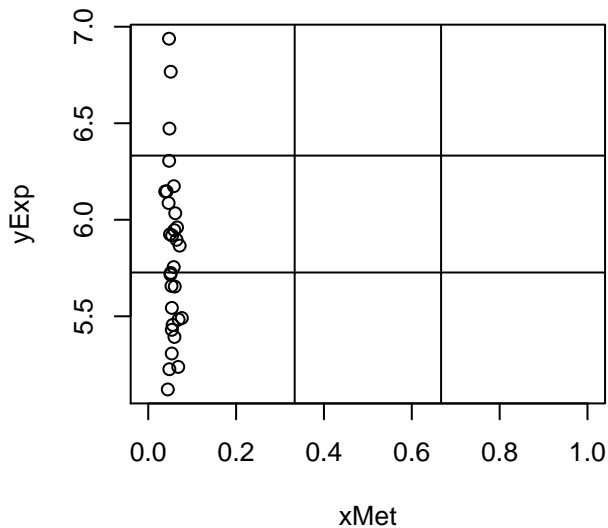
ABAT
L-shaped = FALSE



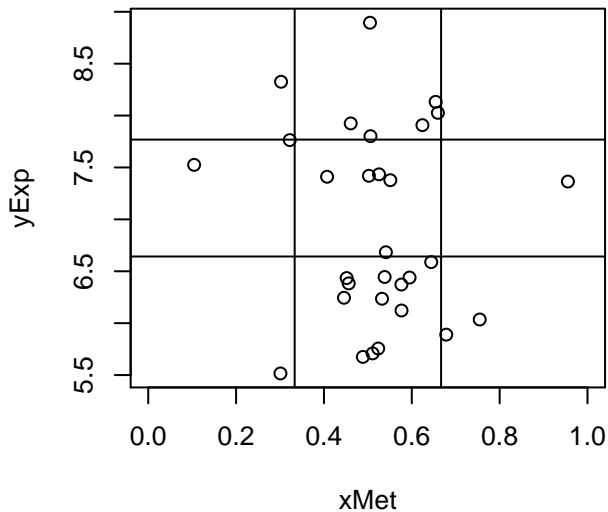
ABCA1
L-shaped = FALSE



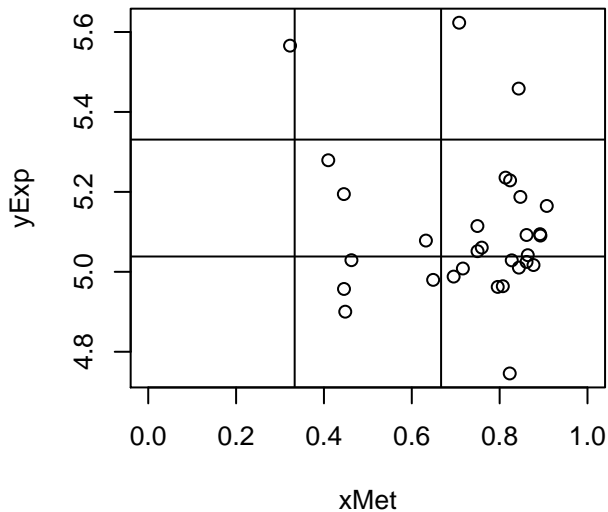
ABCA2
L-shaped = FALSE



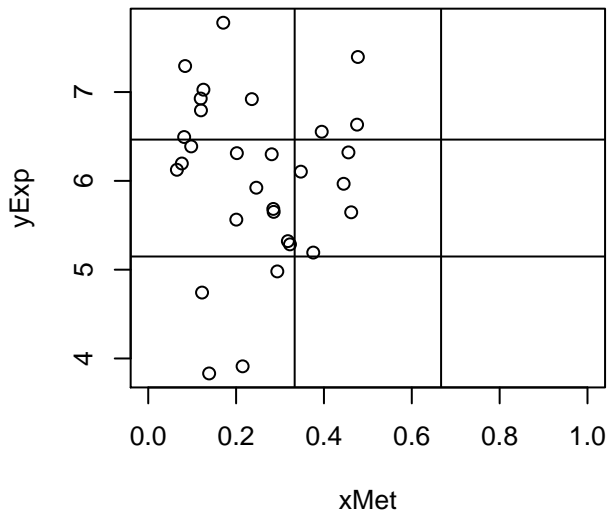
ABCA3
L-shaped = FALSE



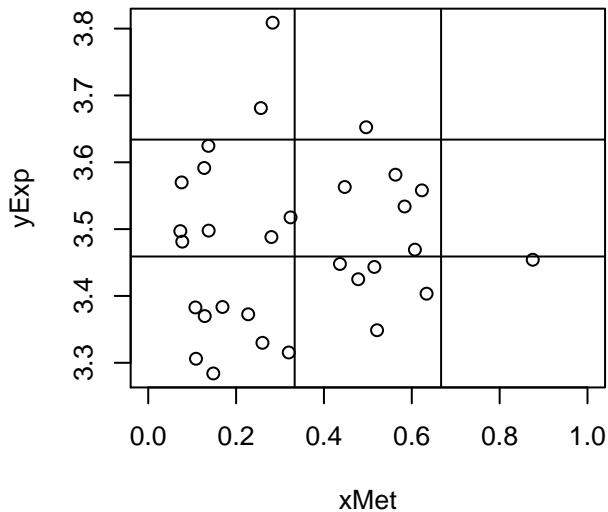
ABCA4
L-shaped = FALSE



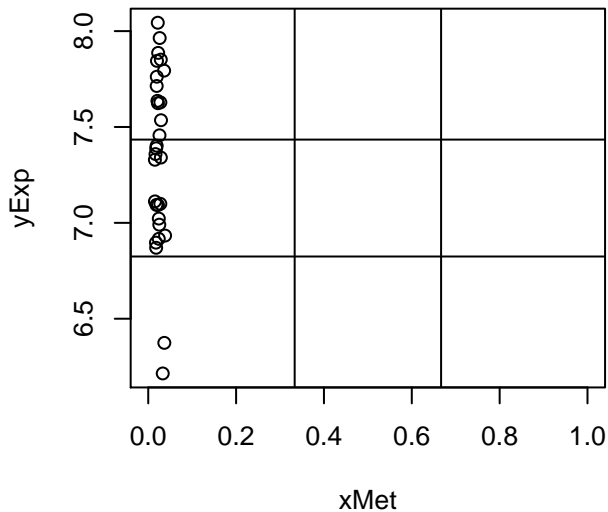
ABCA5
L-shaped = FALSE



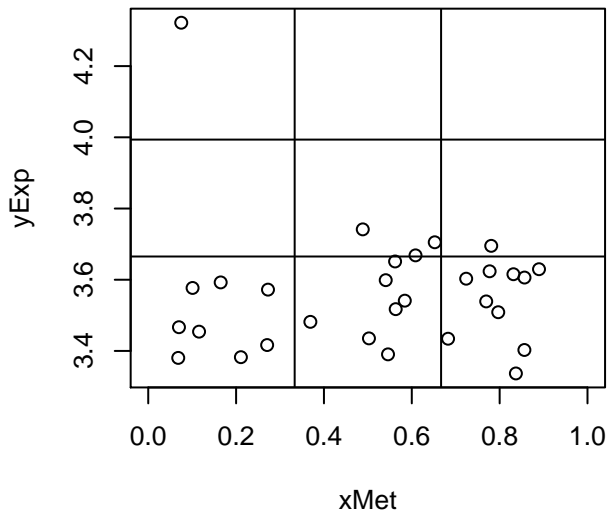
ABCA6
L-shaped = FALSE



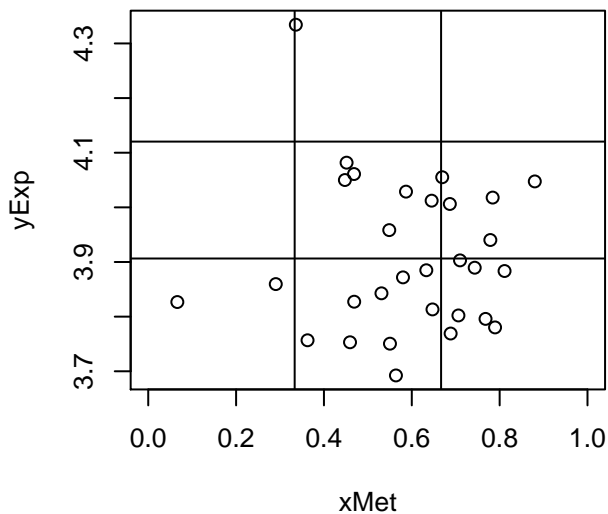
ABCA7
L-shaped = FALSE



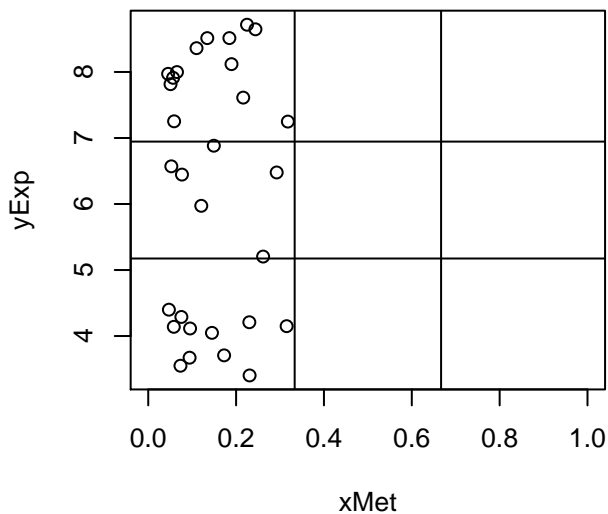
ABCA8
L-shaped = FALSE



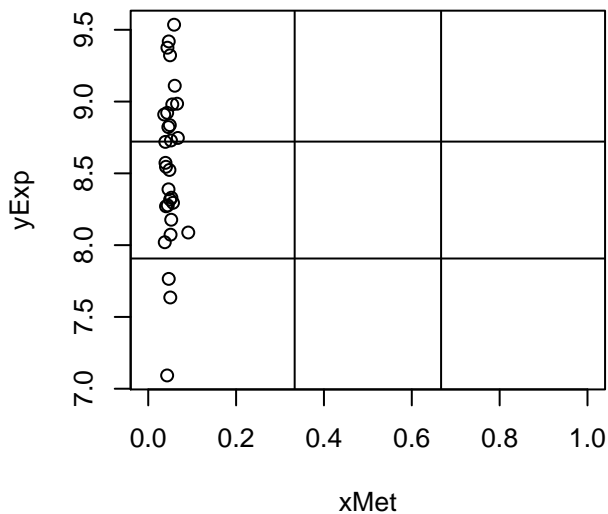
ABCA9
L-shaped = FALSE



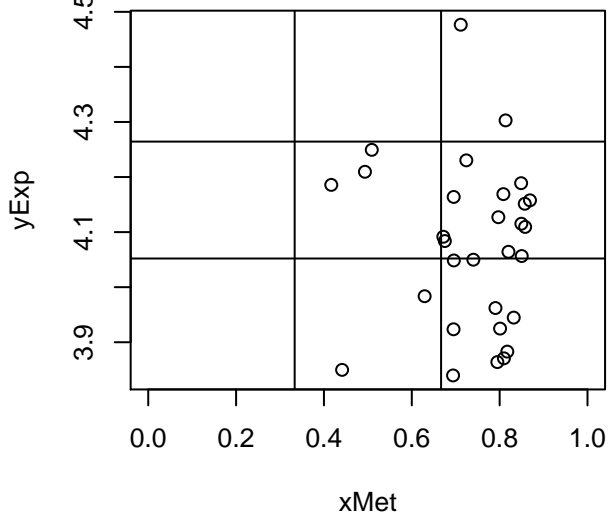
ABCB1
L-shaped = FALSE



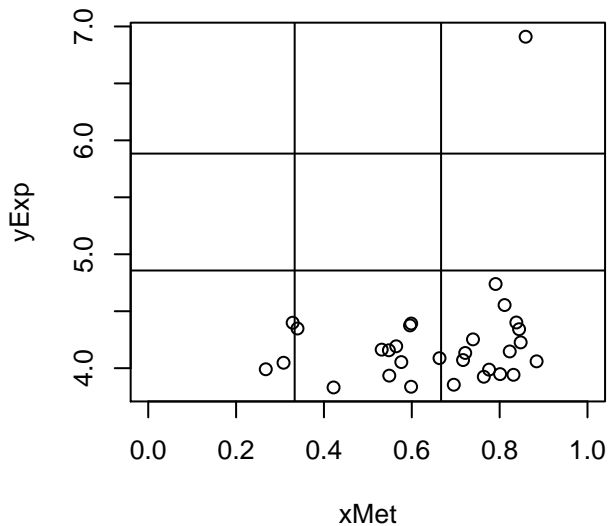
ABCB10
L-shaped = FALSE



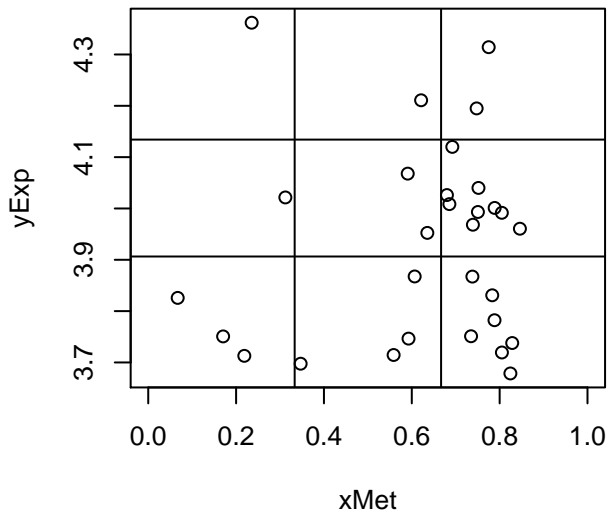
ABCB11
L-shaped = FALSE



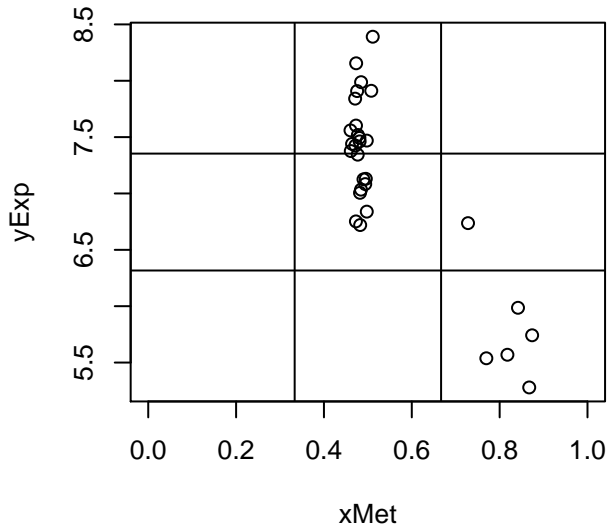
ABCB4
L-shaped = FALSE



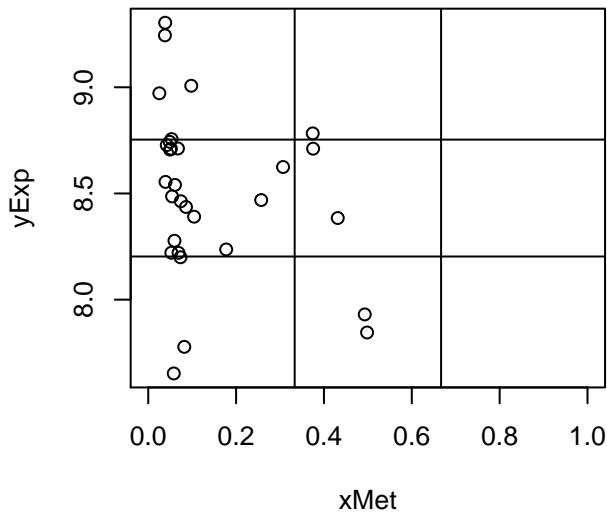
ABCB5
L-shaped = FALSE



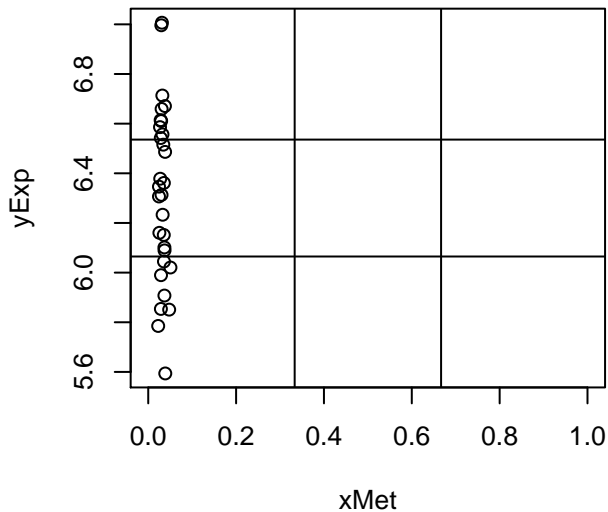
ABCB6
L-shaped = FALSE



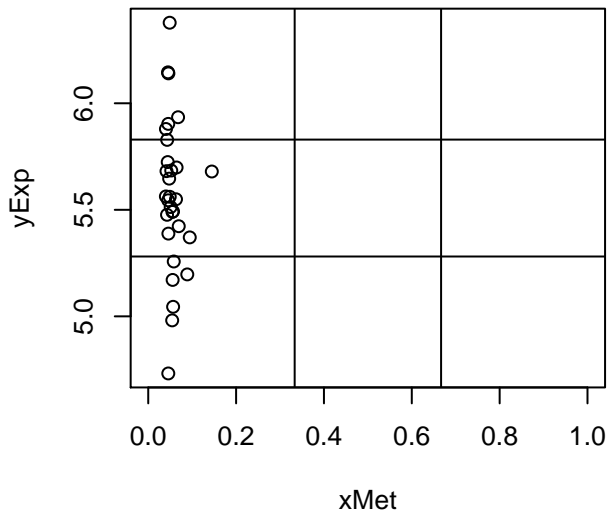
ABCB7
L-shaped = FALSE



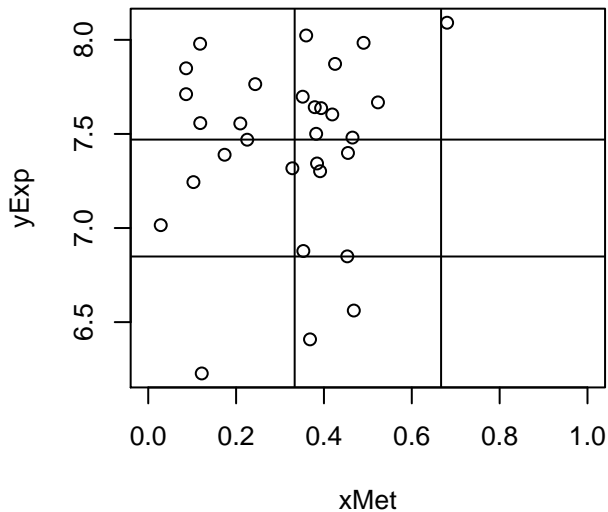
ABCB8
L-shaped = FALSE



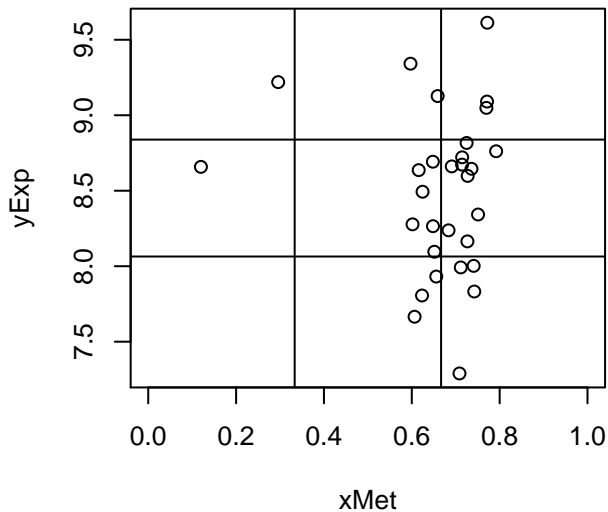
ABCB9
L-shaped = FALSE



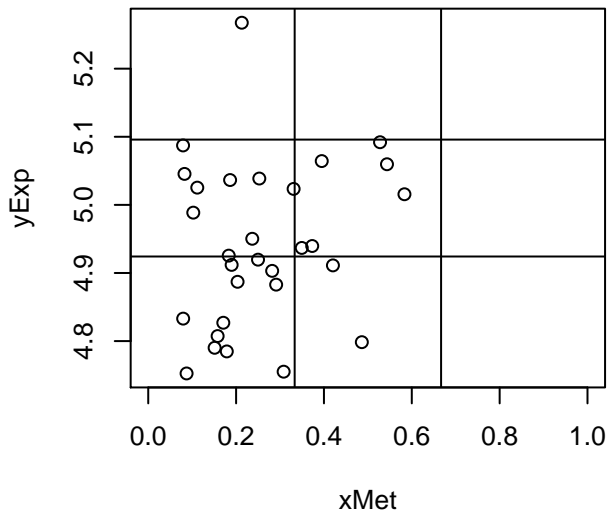
ABCC1
L-shaped = FALSE



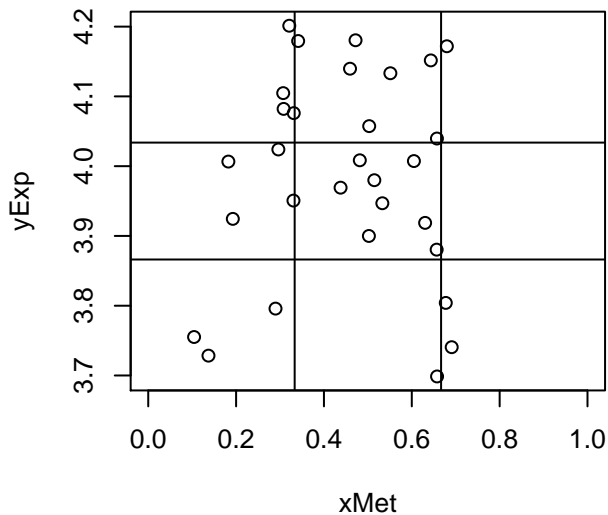
ABCC10
L-shaped = FALSE



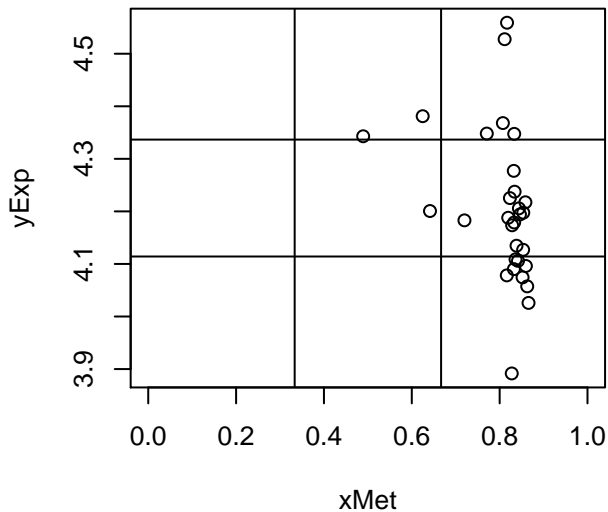
ABCC11
L-shaped = FALSE



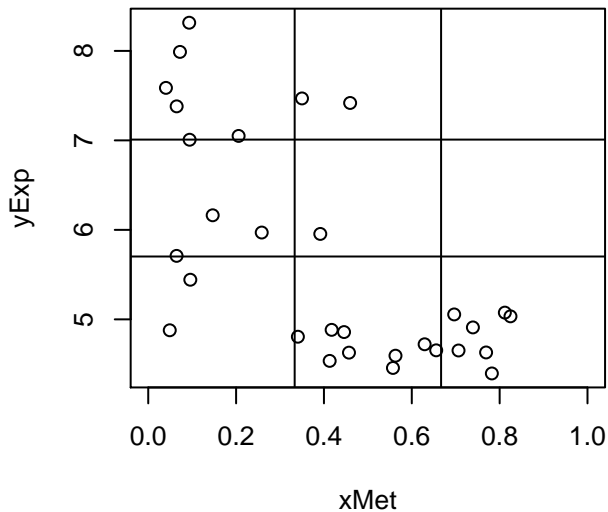
ABCC12
L-shaped = FALSE



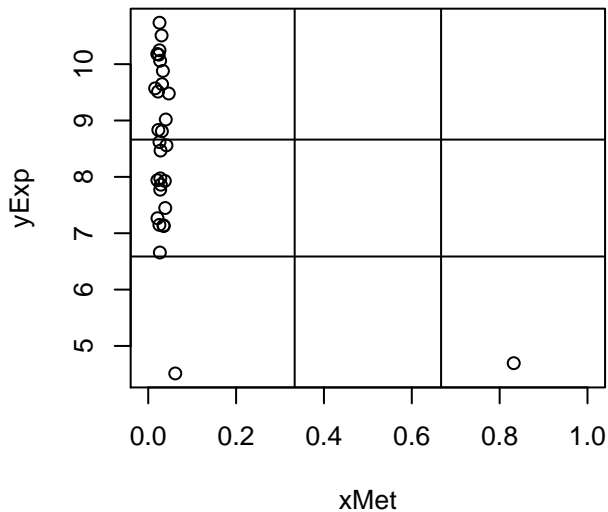
ABCC13
L-shaped = FALSE



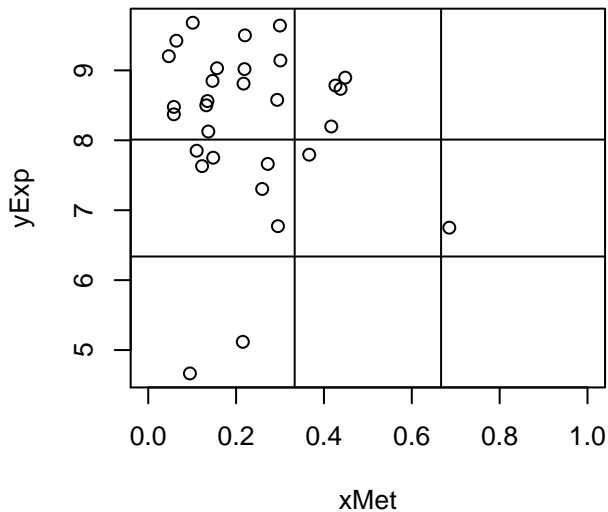
ABCC2
L-shaped = TRUE



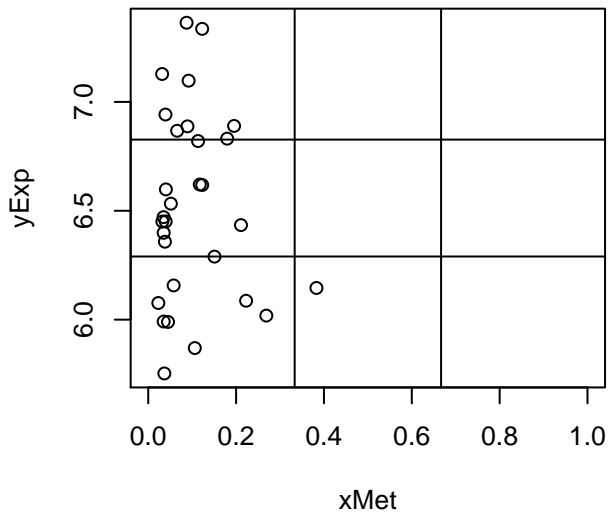
ABCC3
L-shaped = FALSE



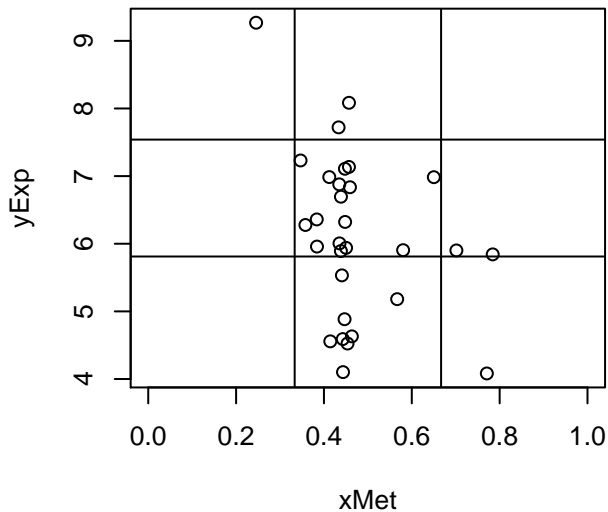
ABCC4
L-shaped = FALSE



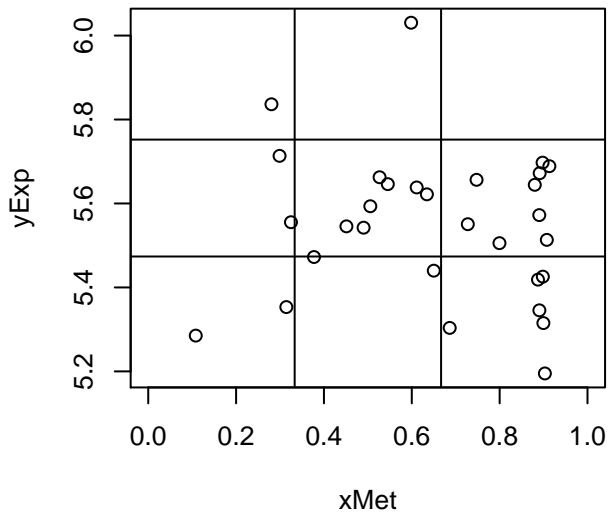
ABCC5
L-shaped = FALSE



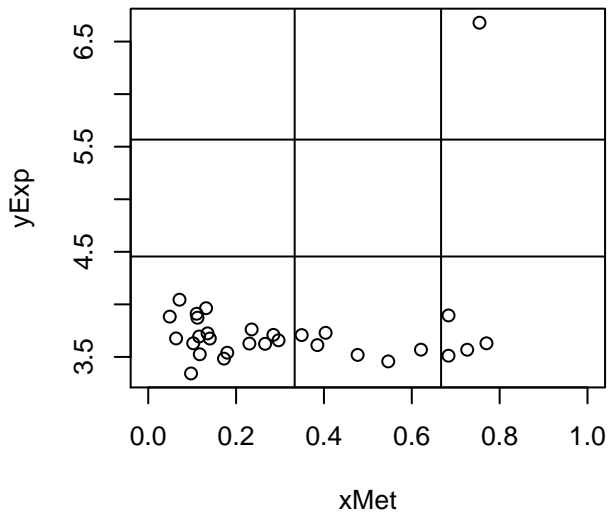
ABCC6
L-shaped = FALSE



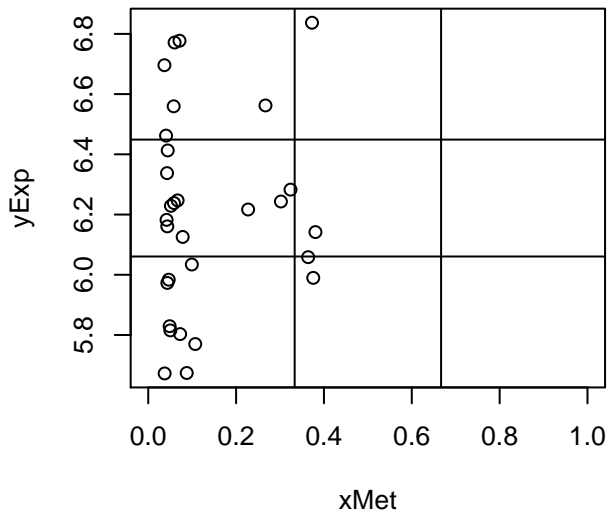
ABCC8
L-shaped = FALSE



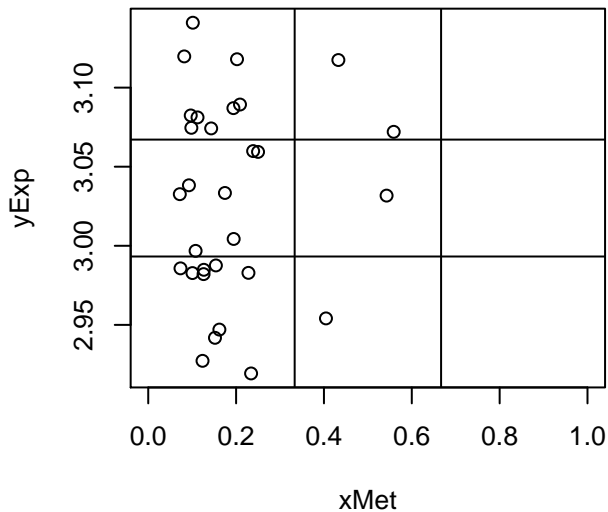
ABCC9
L-shaped = FALSE



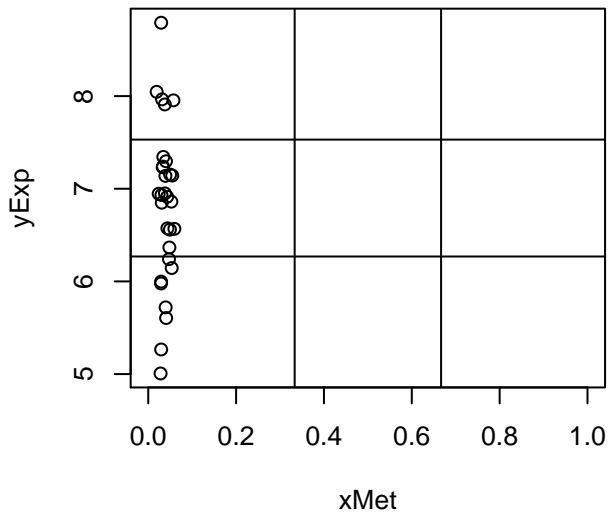
ABCD1
L-shaped = FALSE



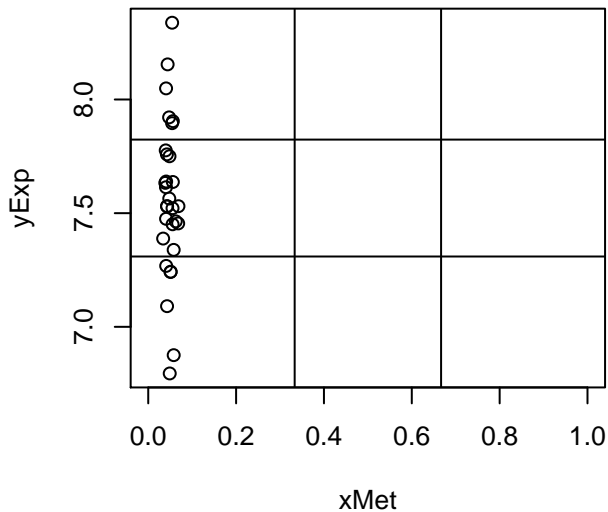
ABCD2
L-shaped = FALSE



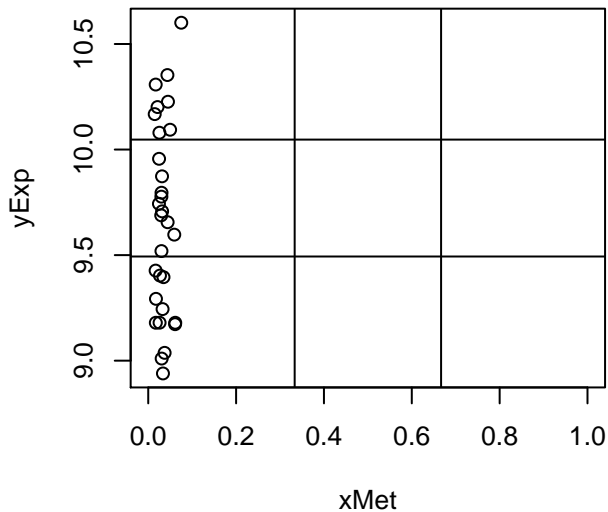
ABCD3
L-shaped = FALSE



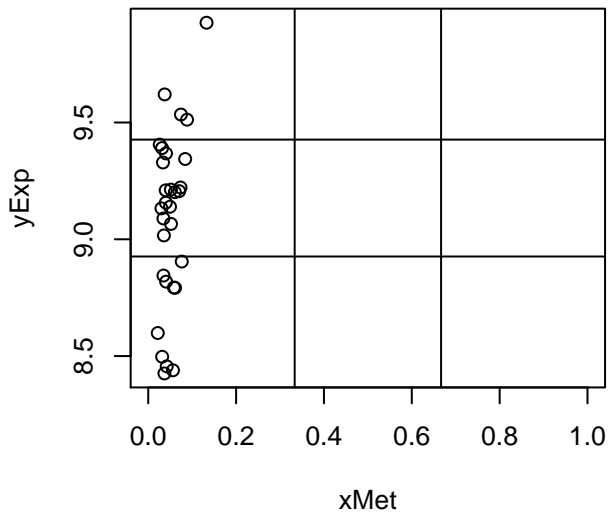
ABCD4
L-shaped = FALSE



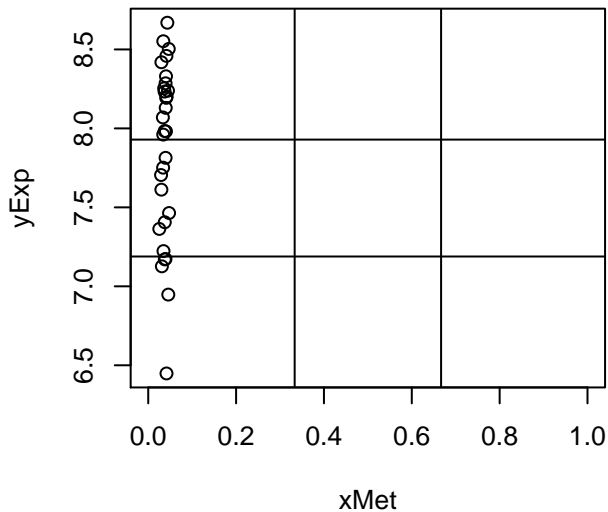
ABCE1
L-shaped = FALSE



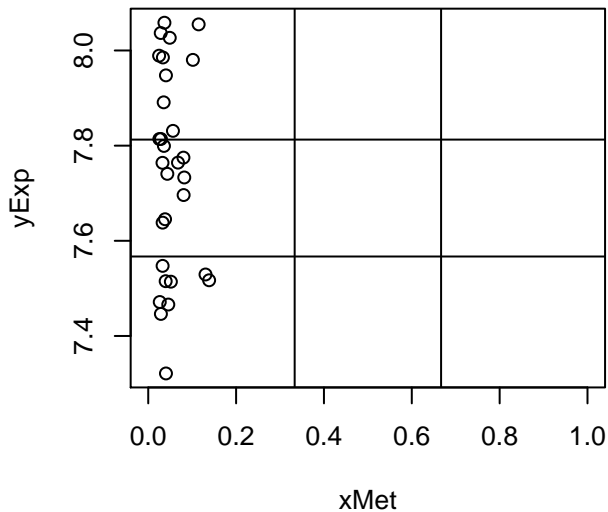
ABCF1
L-shaped = FALSE



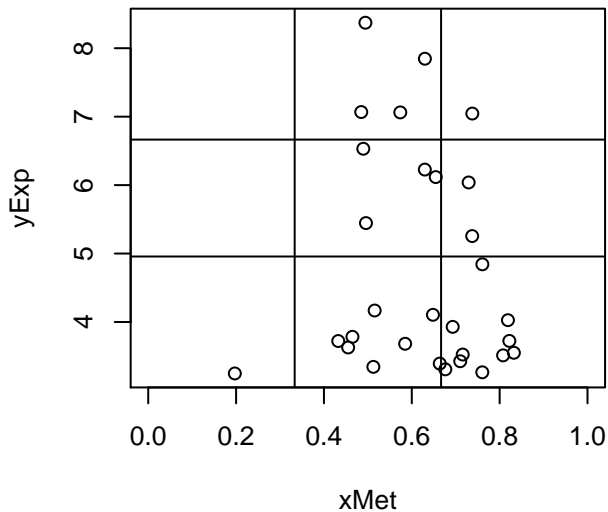
ABCF2
L-shaped = FALSE



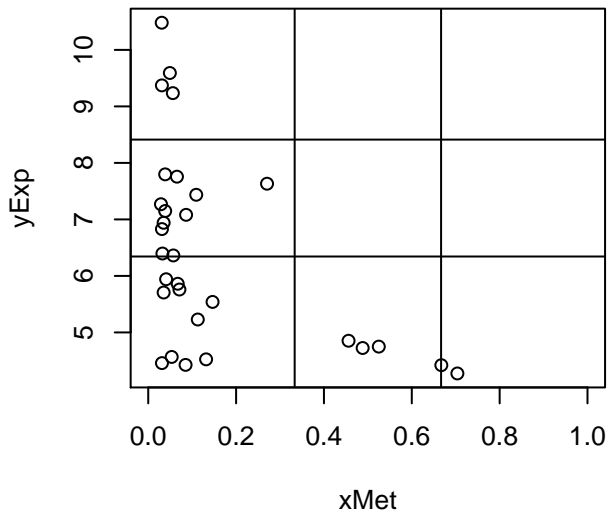
ABCF3
L-shaped = FALSE



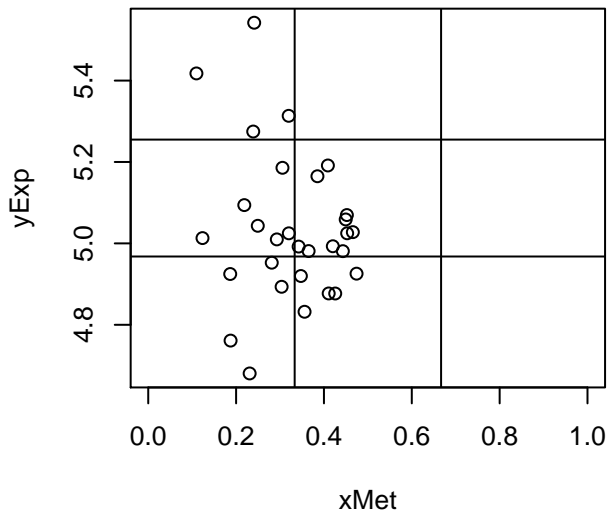
ABCG1
L-shaped = FALSE



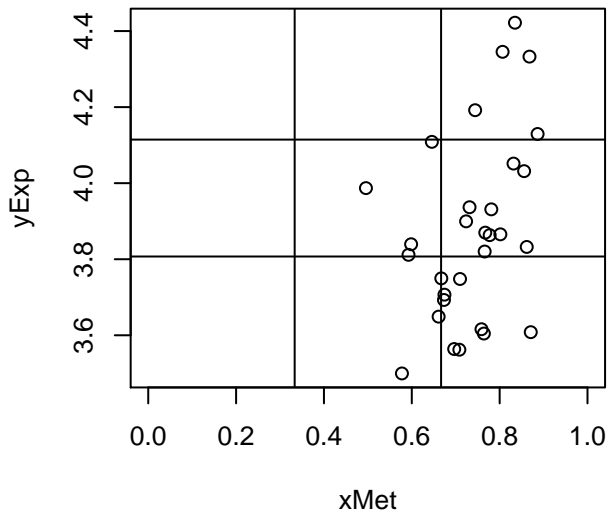
ABCG2
L-shaped = FALSE



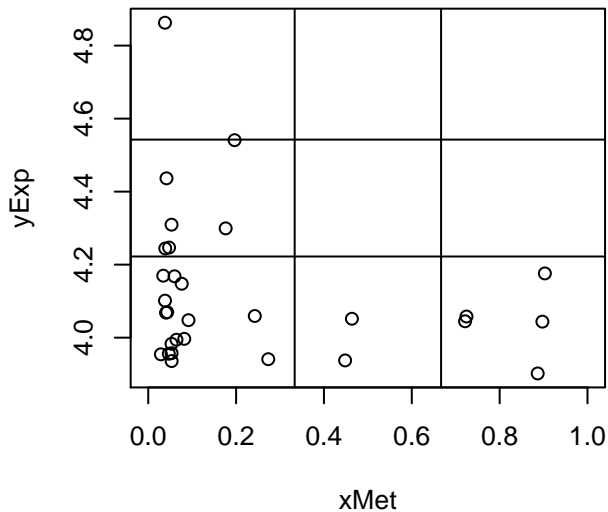
ABCG4
L-shaped = FALSE



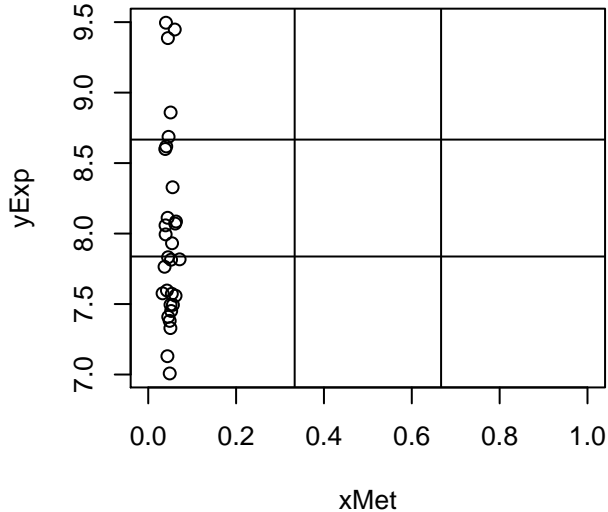
ABCG5
L-shaped = FALSE



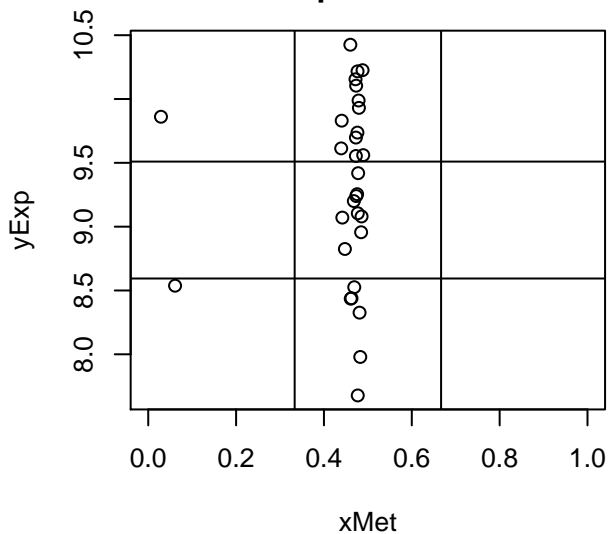
ABHD1
L-shaped = FALSE



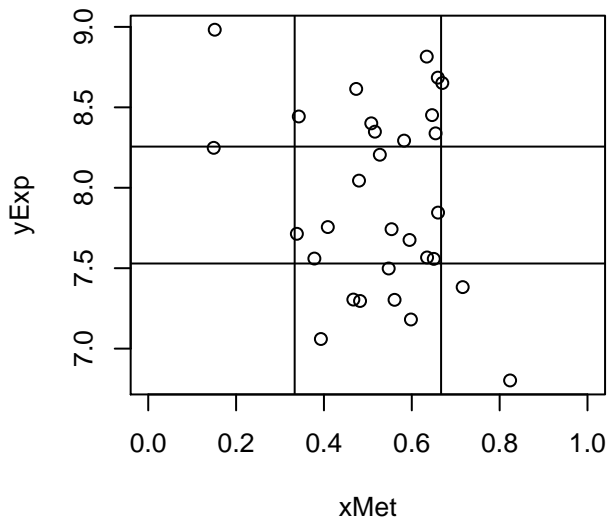
ABHD10
L-shaped = FALSE



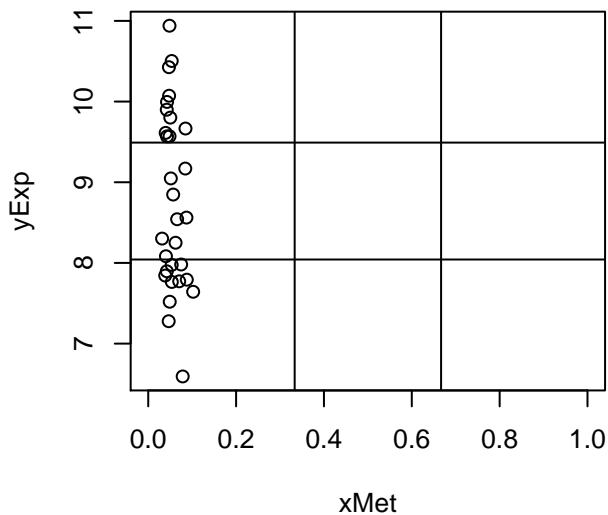
ABHD11
L-shaped = FALSE



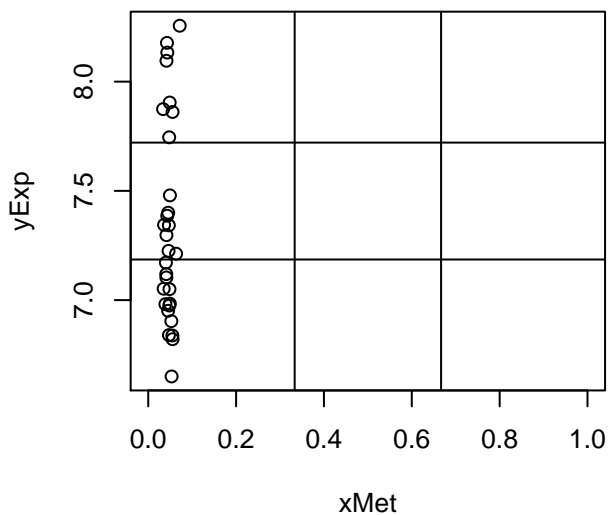
ABHD14A
L-shaped = FALSE



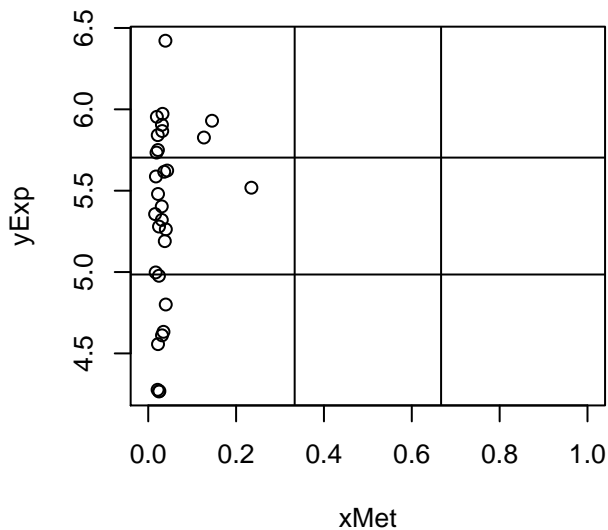
ABHD2
L-shaped = FALSE



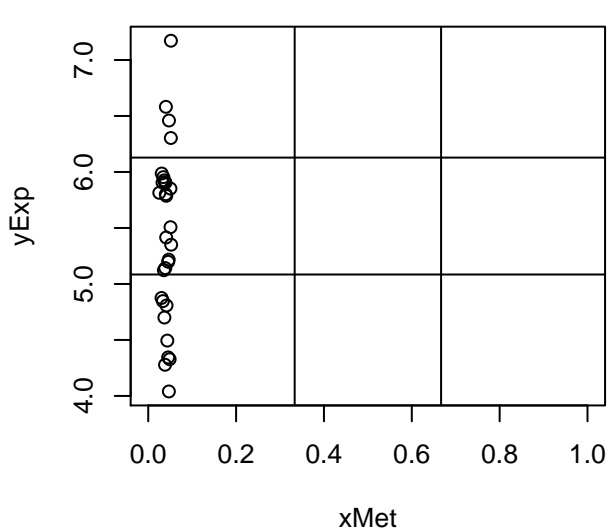
ABHD4
L-shaped = FALSE



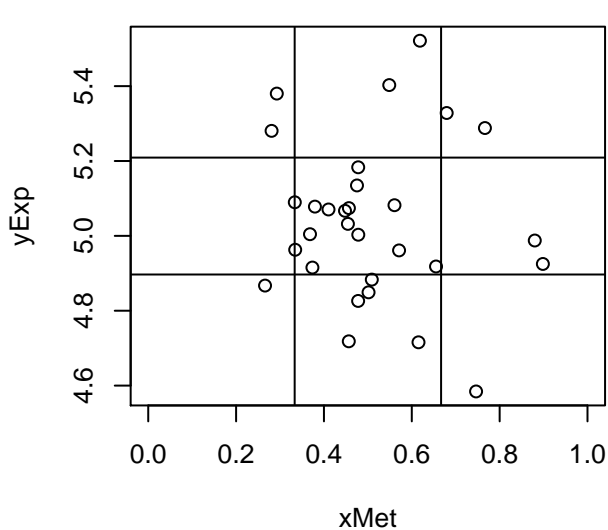
ABHD5
L-shaped = FALSE



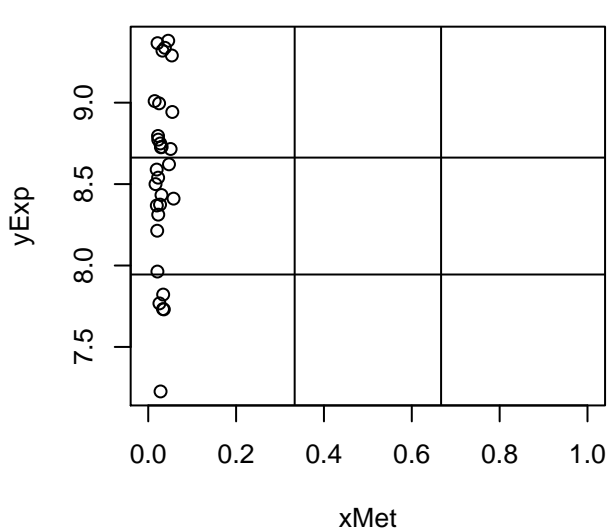
ABHD6
L-shaped = FALSE



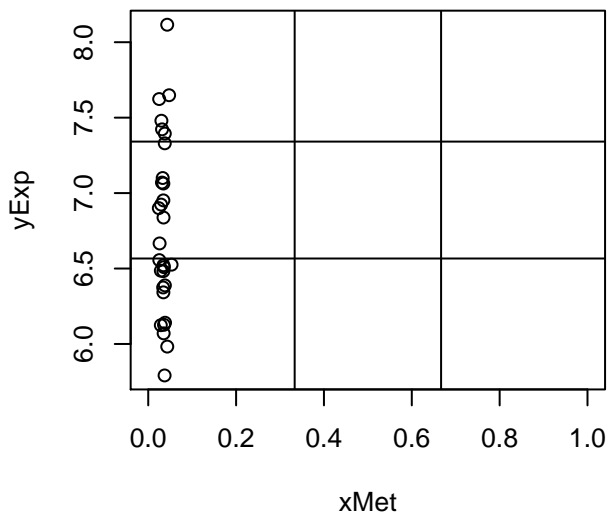
ABHD8
L-shaped = FALSE



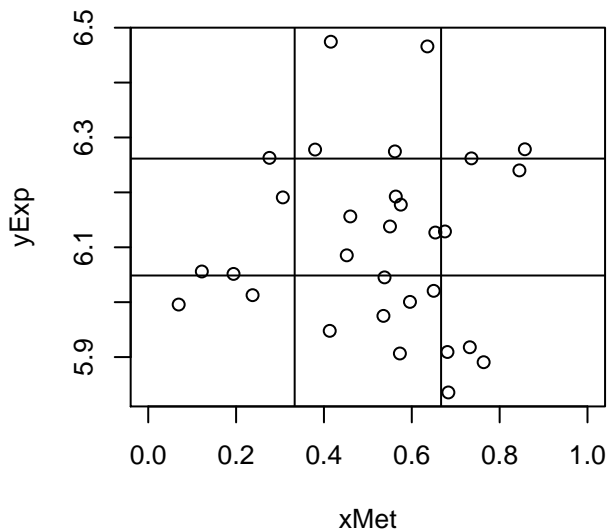
ABI1
L-shaped = FALSE



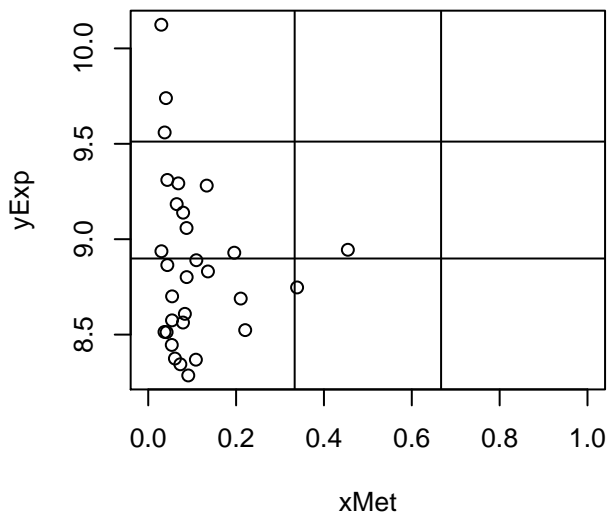
ABI2
L-shaped = FALSE



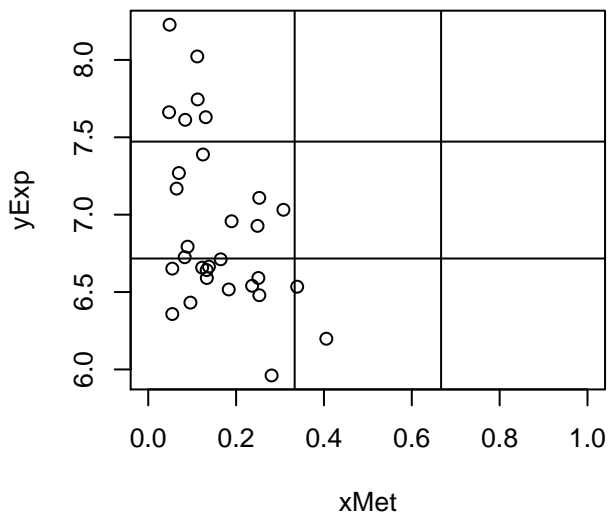
ABI3
L-shaped = FALSE



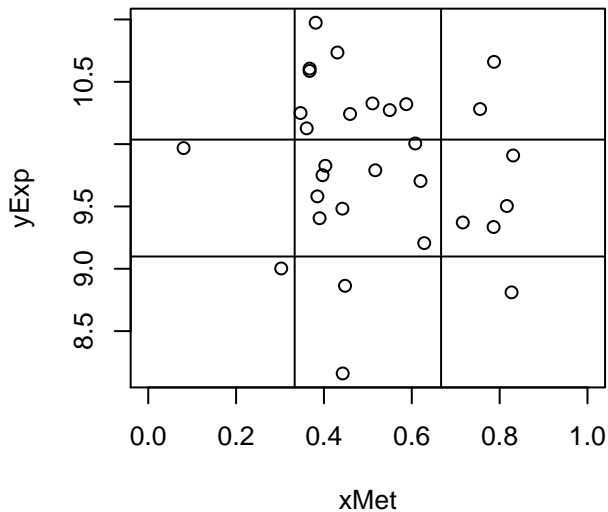
ABL1
L-shaped = FALSE



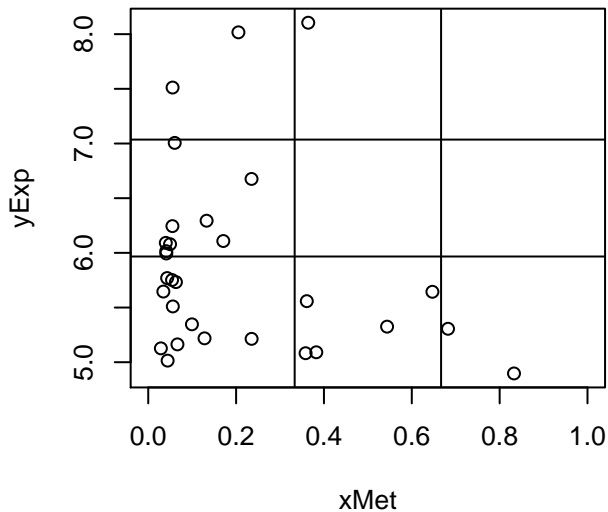
ABL2
L-shaped = FALSE



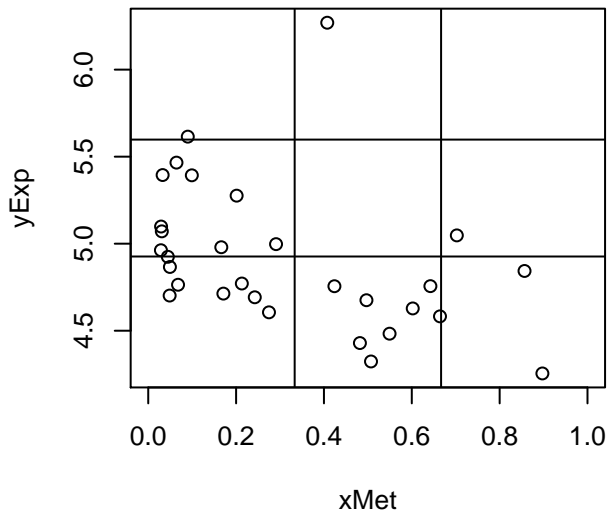
ABLIM1
L-shaped = FALSE



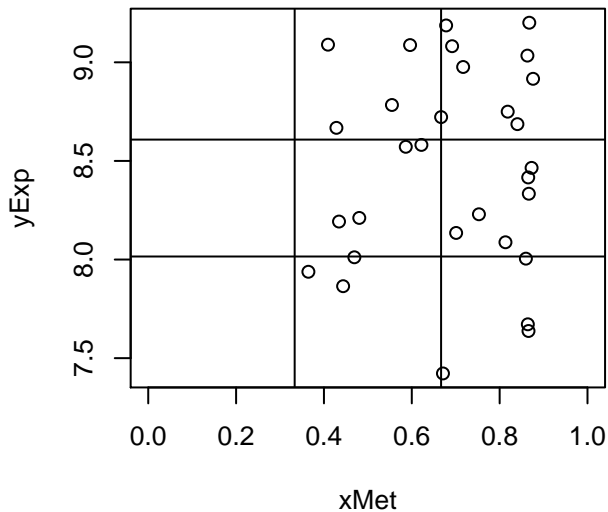
ABLIM3
L-shaped = FALSE



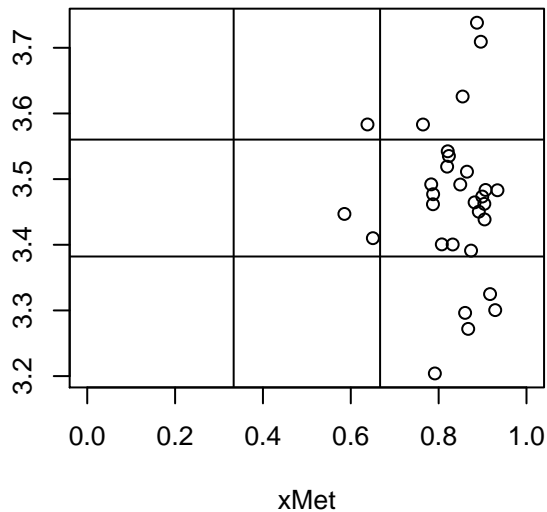
ABO
L-shaped = FALSE



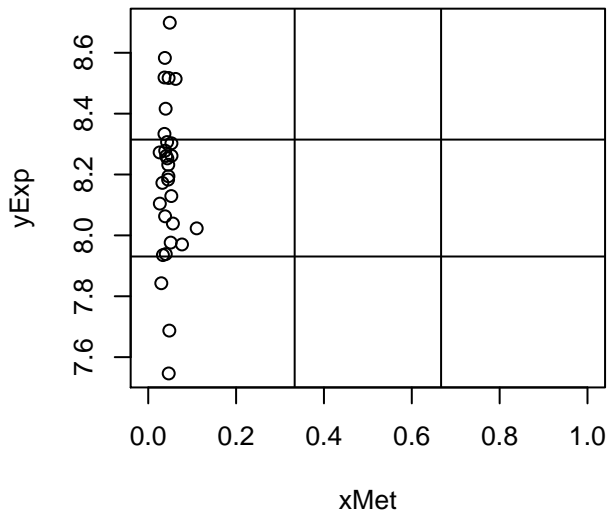
ABR
L-shaped = FALSE



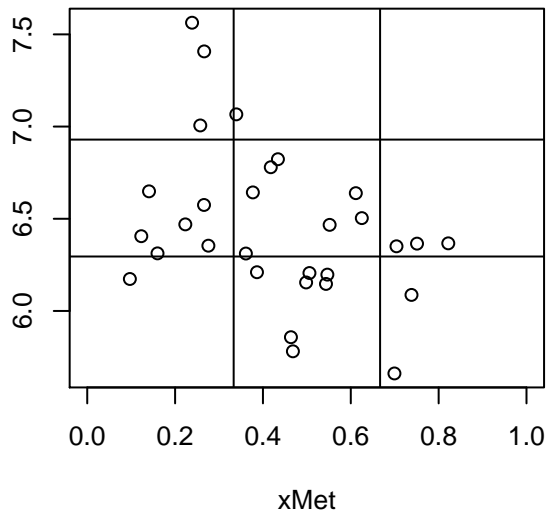
ABRA
L-shaped = FALSE



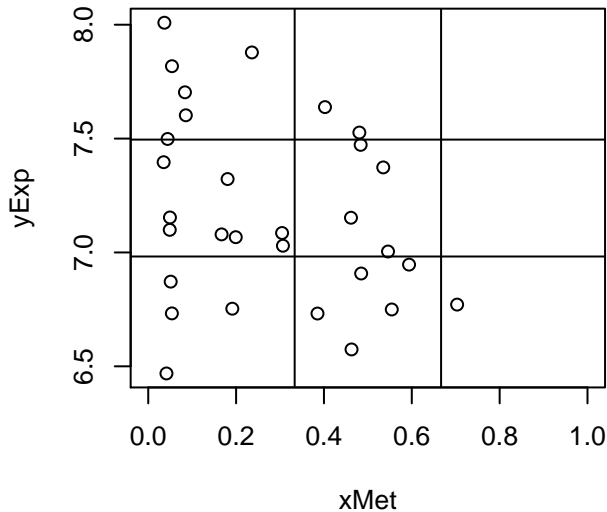
ABT1
L-shaped = FALSE



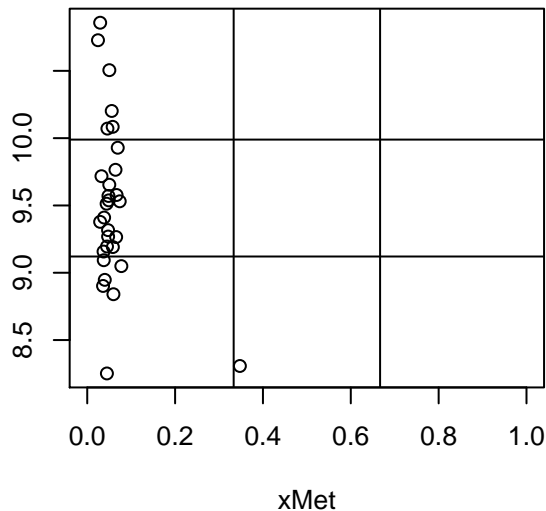
ABTB1
L-shaped = FALSE



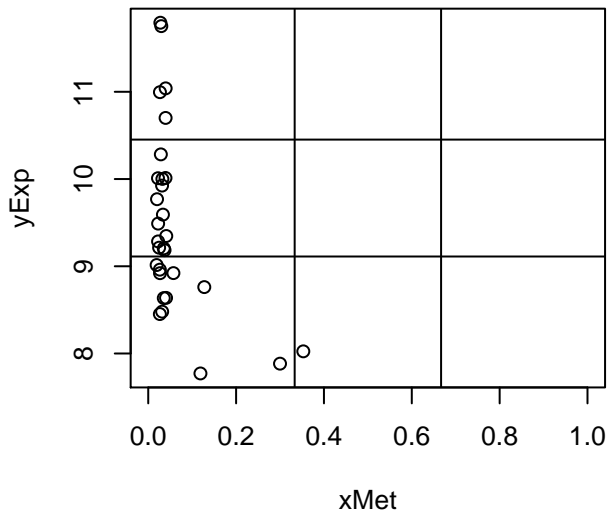
ABTB2
L-shaped = FALSE



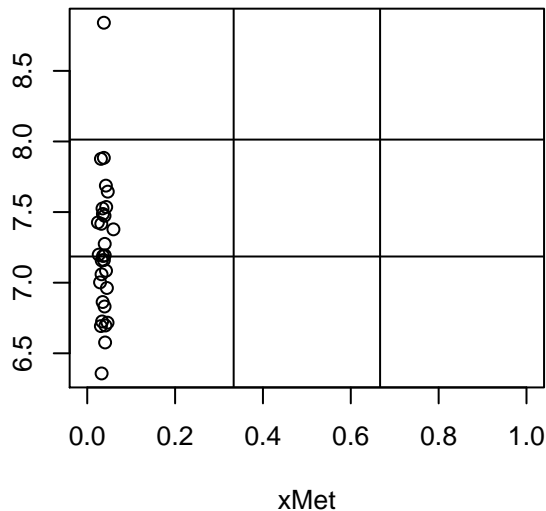
ACAA1
L-shaped = FALSE



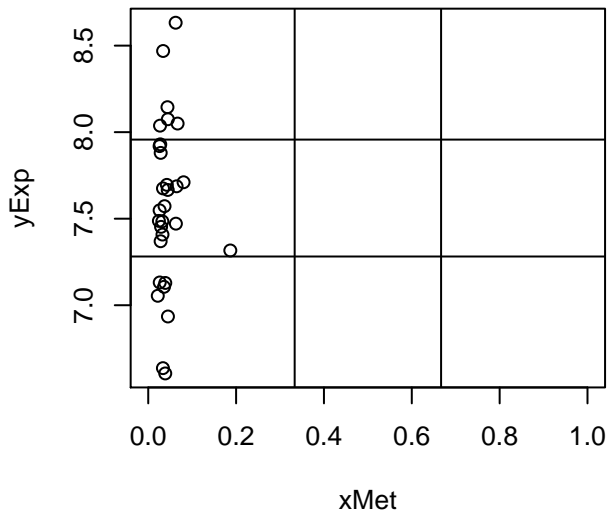
ACAA2
L-shaped = FALSE



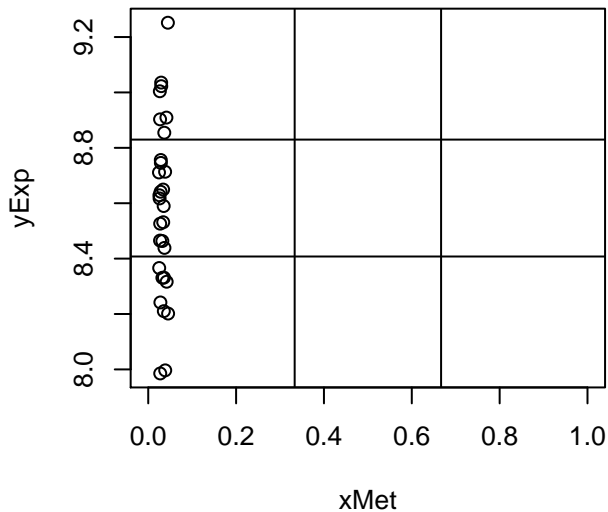
ACACA
L-shaped = FALSE



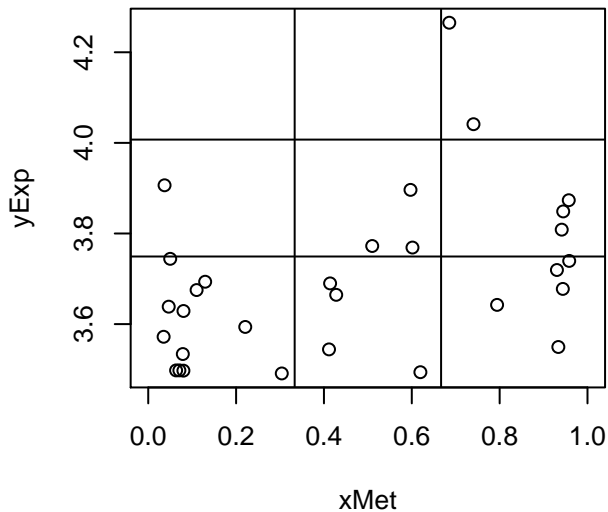
ACAD8
L-shaped = FALSE



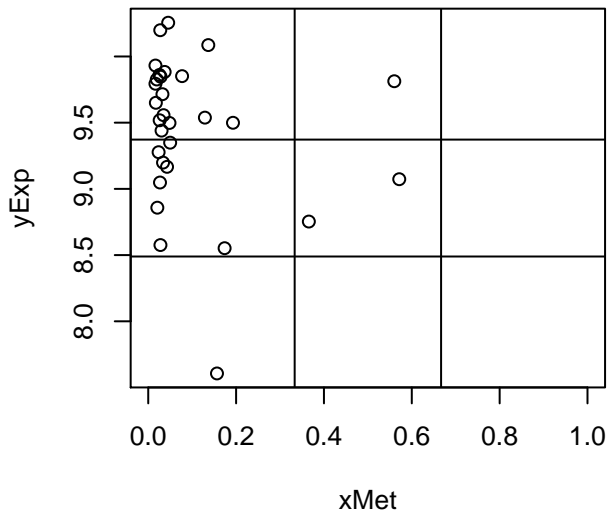
ACAD9
L-shaped = FALSE



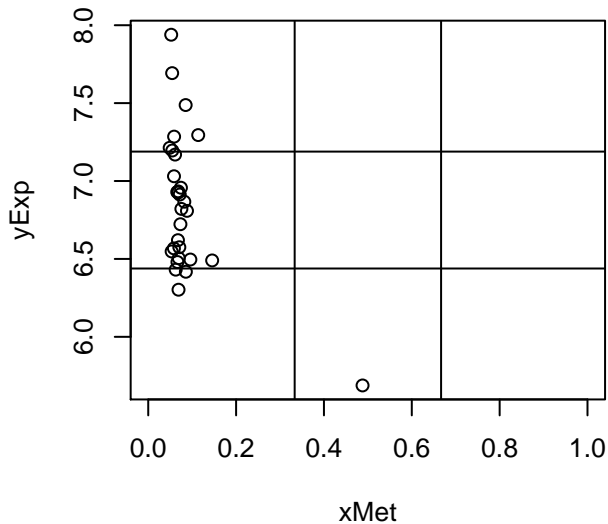
ACADL
L-shaped = FALSE



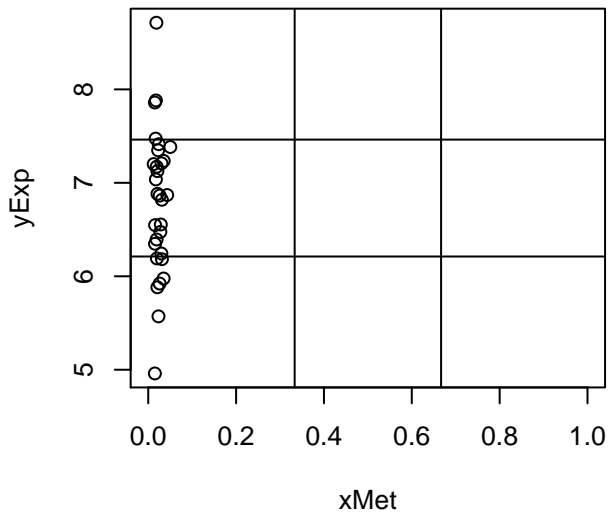
ACADM
L-shaped = FALSE



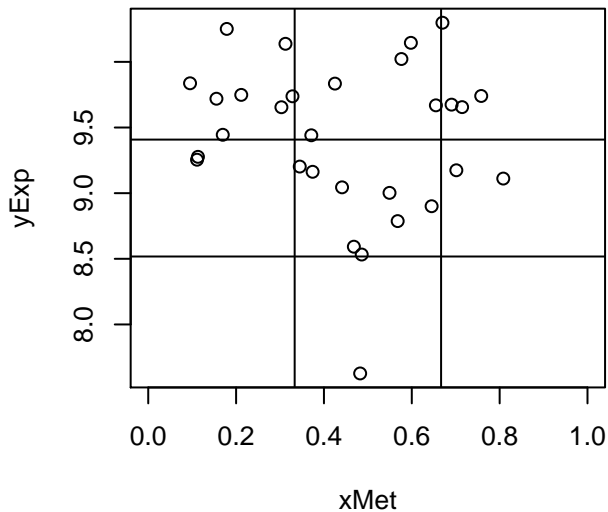
ACADS
L-shaped = FALSE



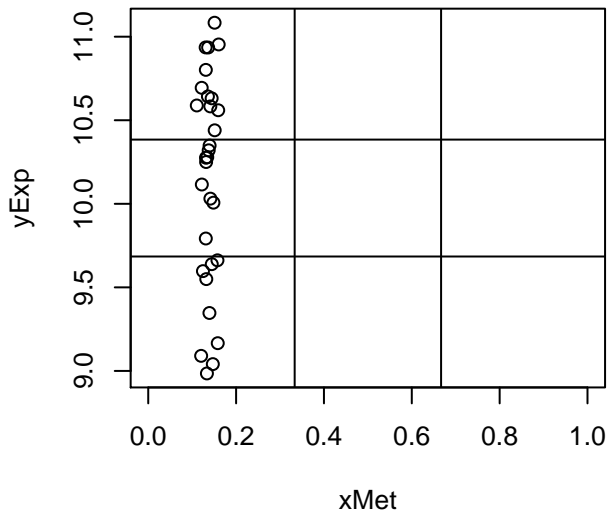
ACADSB
L-shaped = FALSE



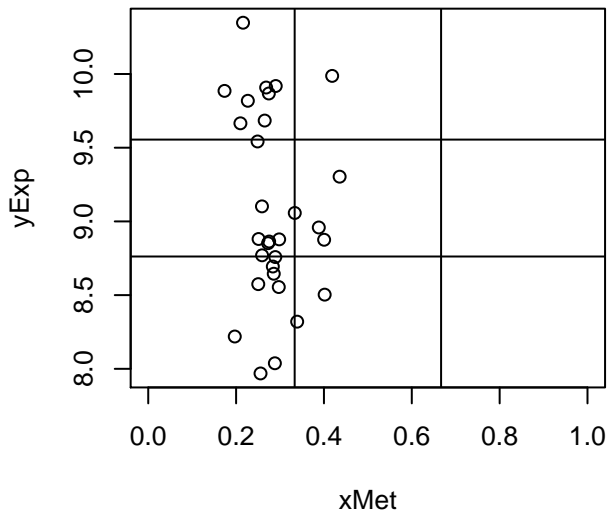
ACADVL
L-shaped = FALSE



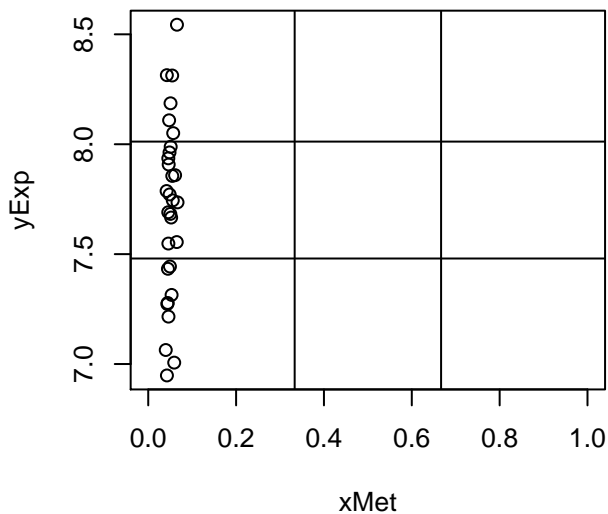
ACAT1
L-shaped = FALSE



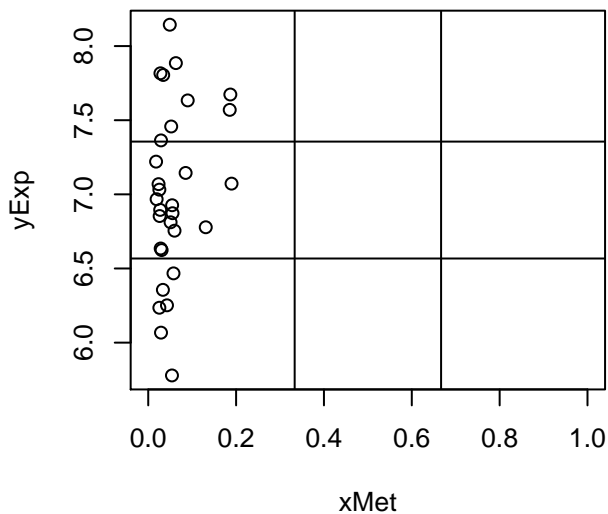
ACAT2
L-shaped = FALSE



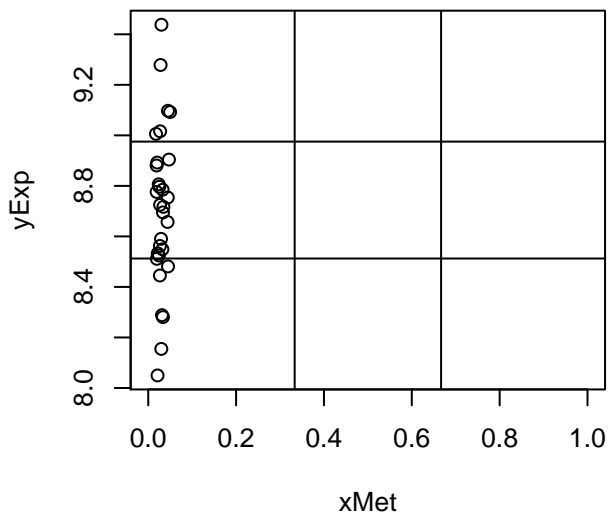
ACBD3
L-shaped = FALSE



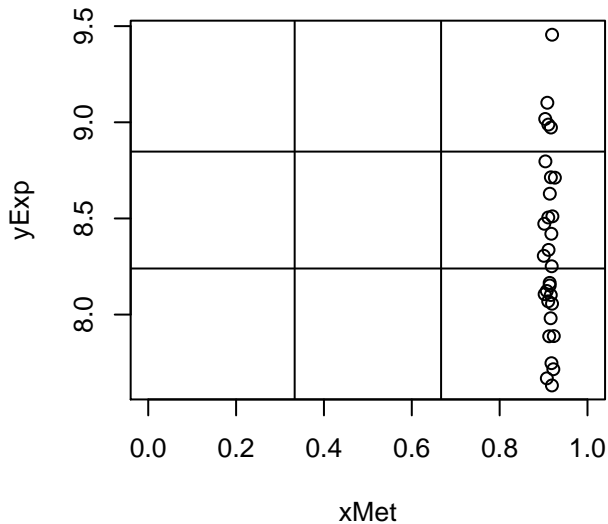
ACBD5
L-shaped = FALSE



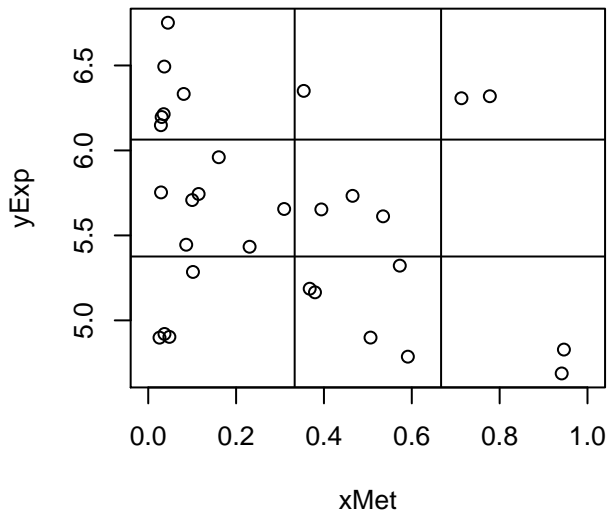
ACBD6
L-shaped = FALSE



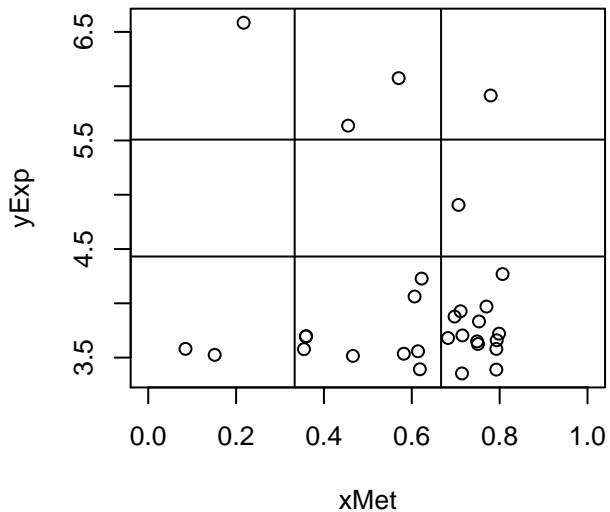
ACD
L-shaped = FALSE



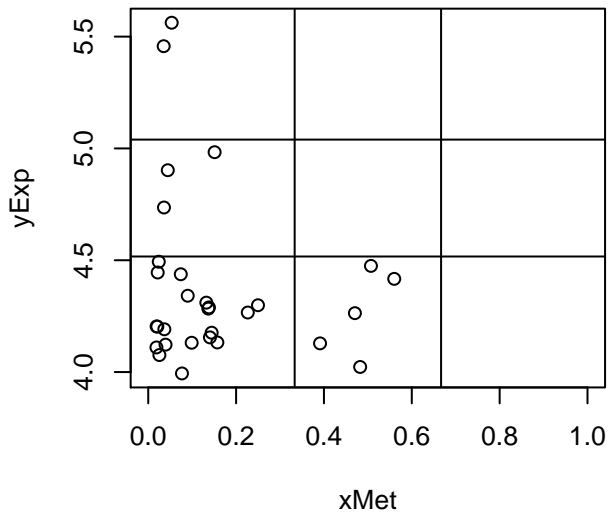
ACE
L-shaped = FALSE



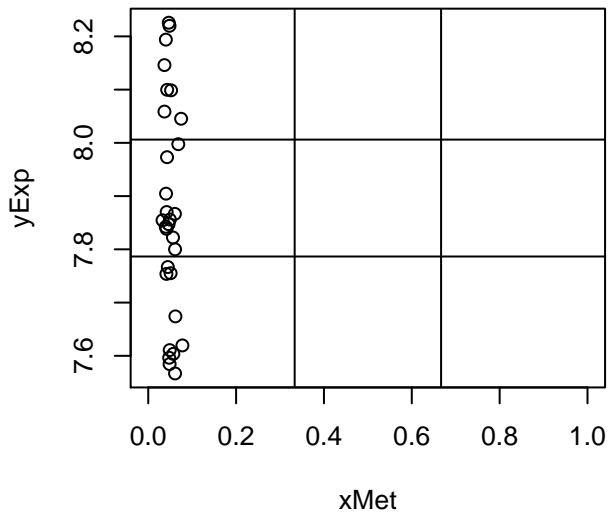
ACE2
L-shaped = FALSE



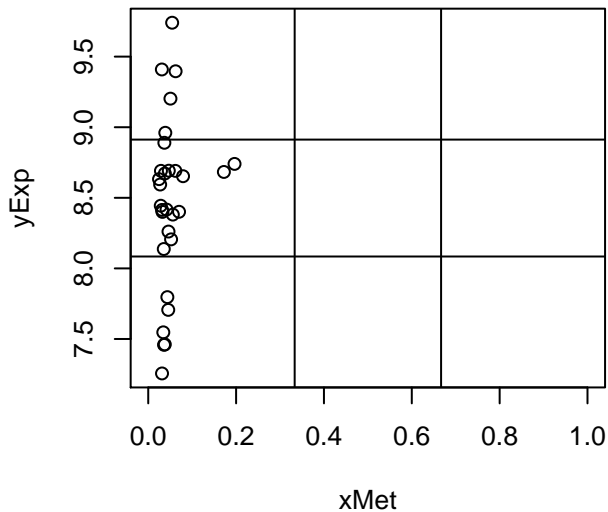
ACHE
L-shaped = FALSE



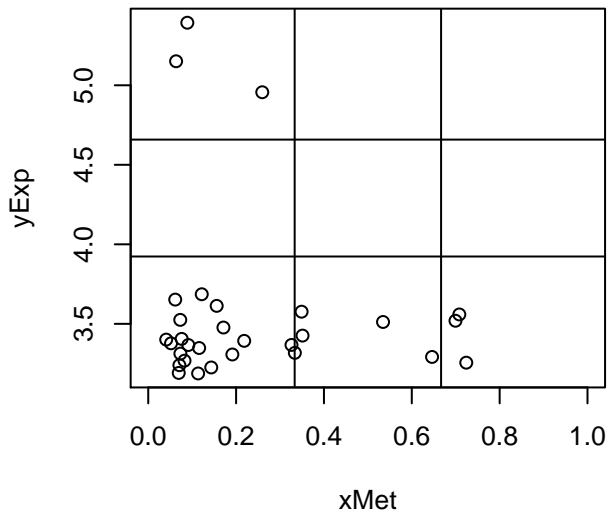
ACIN1
L-shaped = FALSE



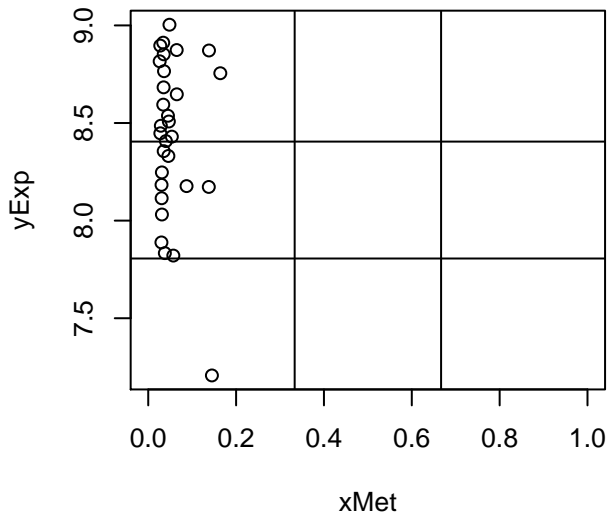
ACLY
L-shaped = FALSE



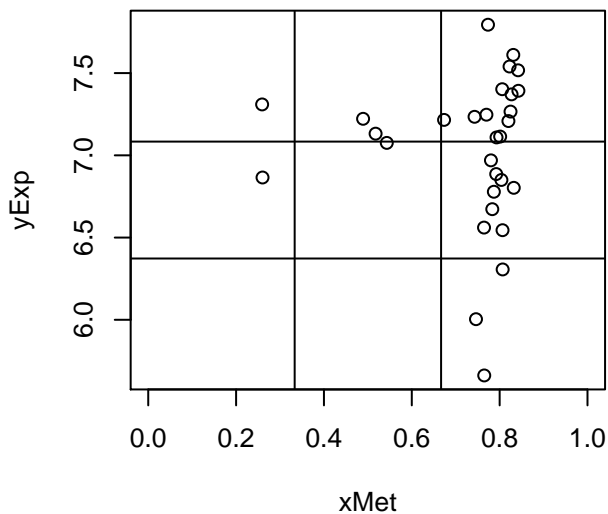
ACMSD
L-shaped = FALSE



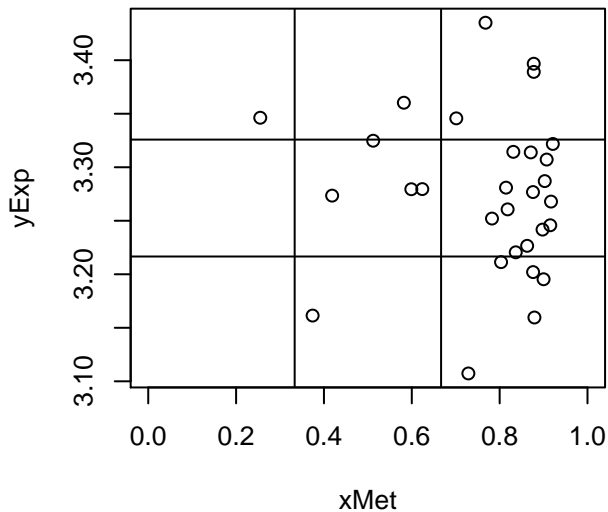
ACO1
L-shaped = FALSE



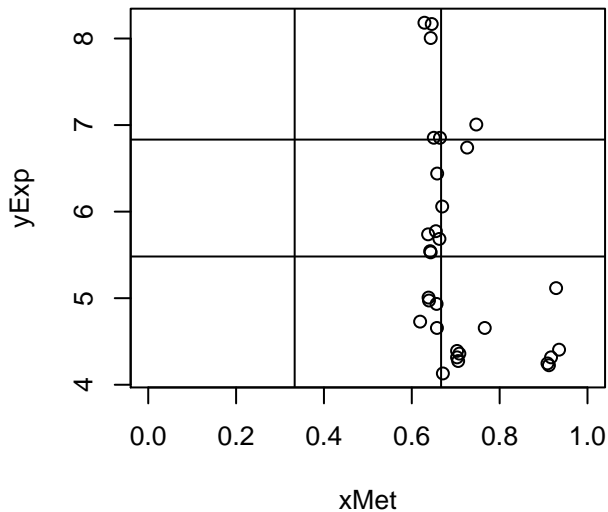
ACOT11
L-shaped = FALSE



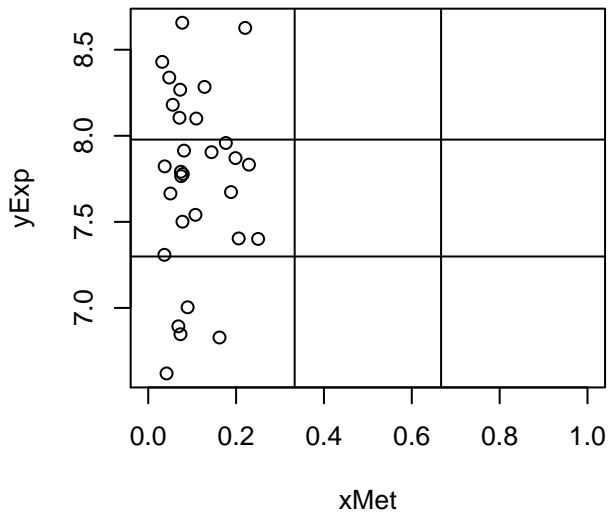
ACOT12
L-shaped = FALSE



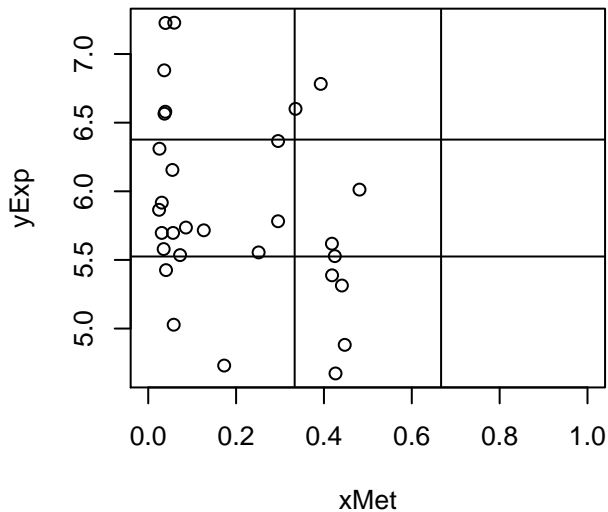
ACOT4
L-shaped = FALSE



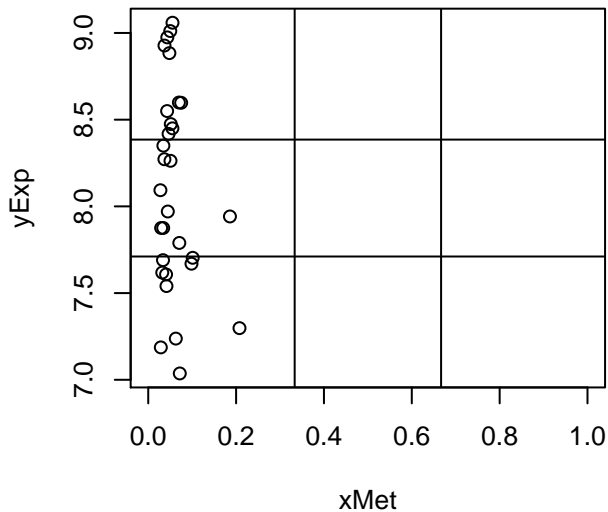
ACOT7
L-shaped = FALSE



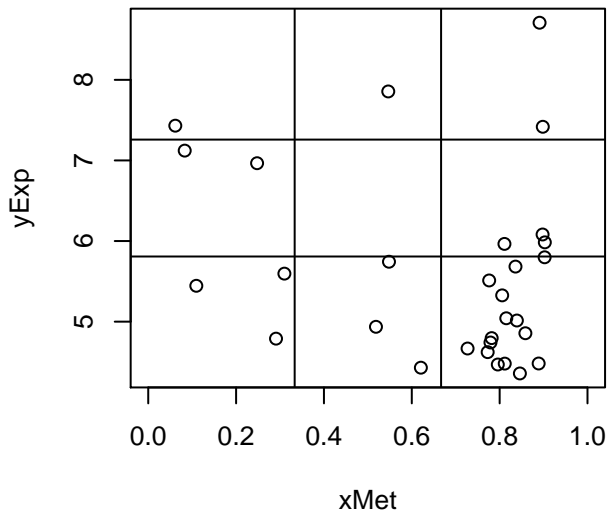
ACOT8
L-shaped = FALSE



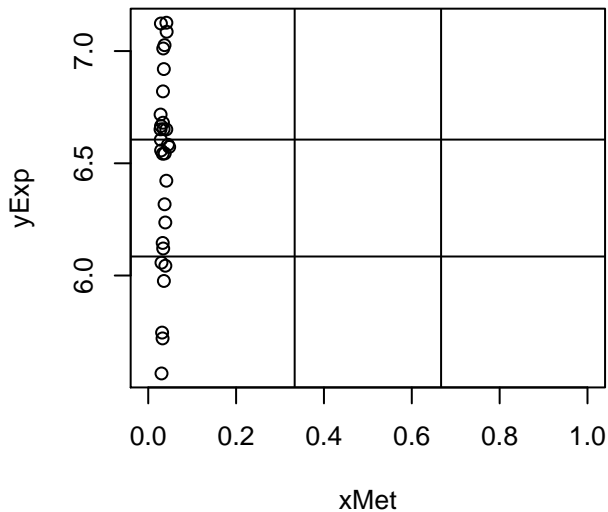
ACOX1
L-shaped = FALSE



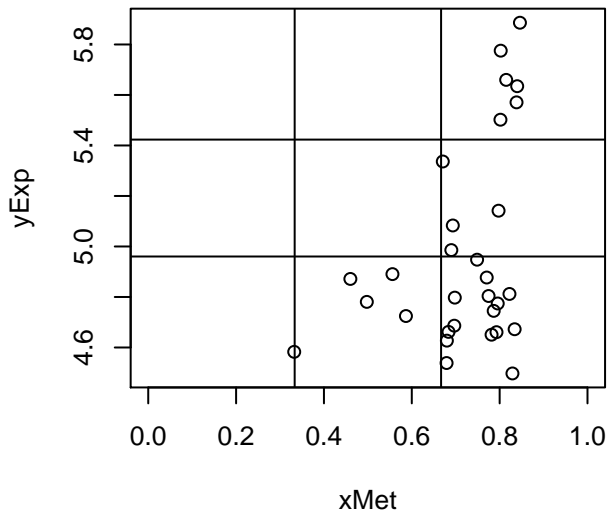
ACOX2
L-shaped = FALSE



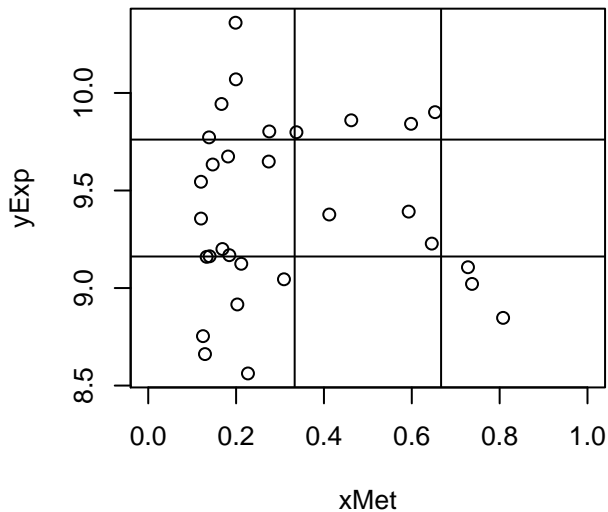
ACOX3
L-shaped = FALSE



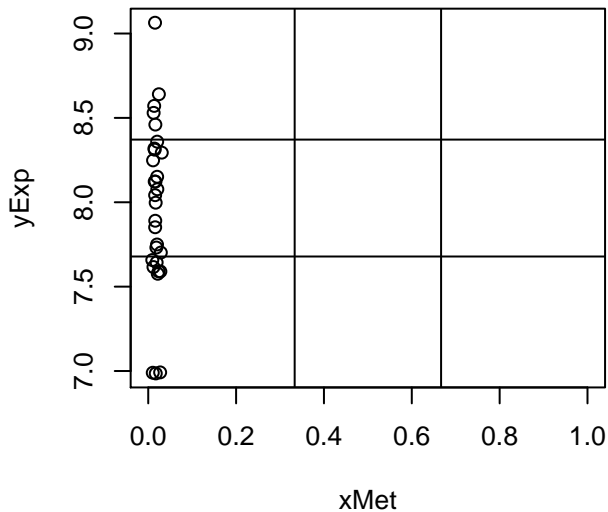
ACOXL
L-shaped = FALSE



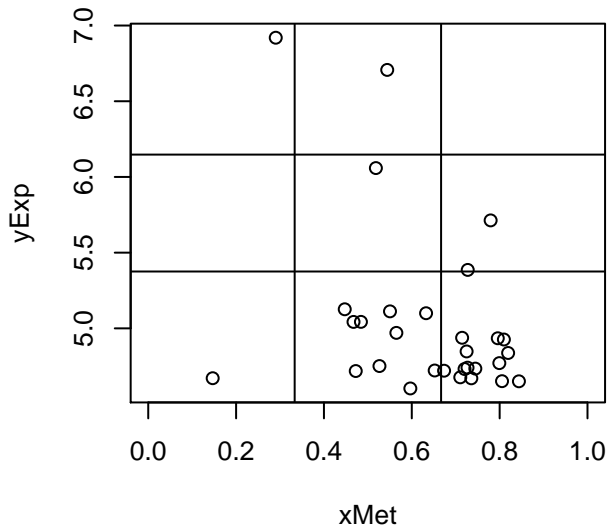
ACP1
L-shaped = FALSE



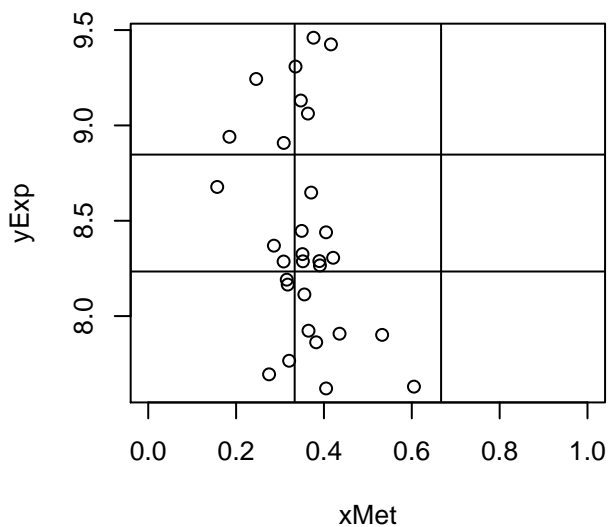
ACP2
L-shaped = FALSE



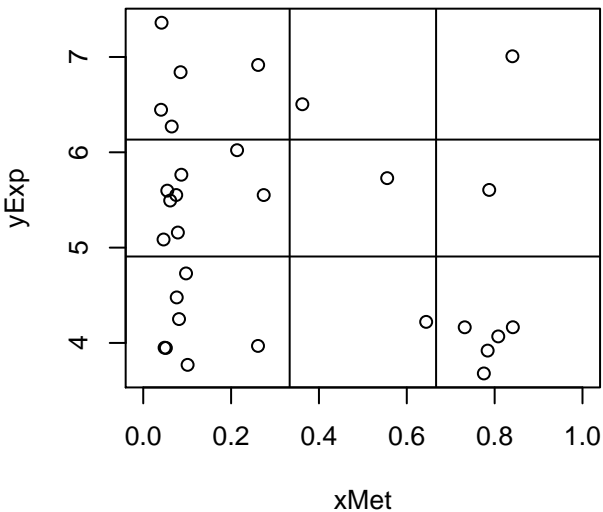
ACP5
L-shaped = FALSE



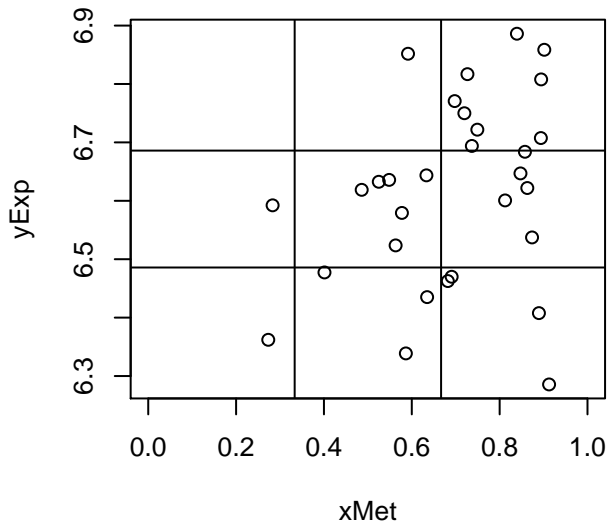
ACP6
L-shaped = FALSE



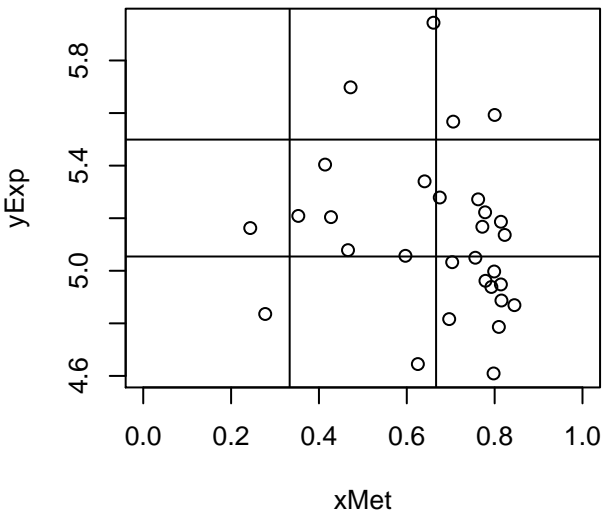
ACPP
L-shaped = FALSE



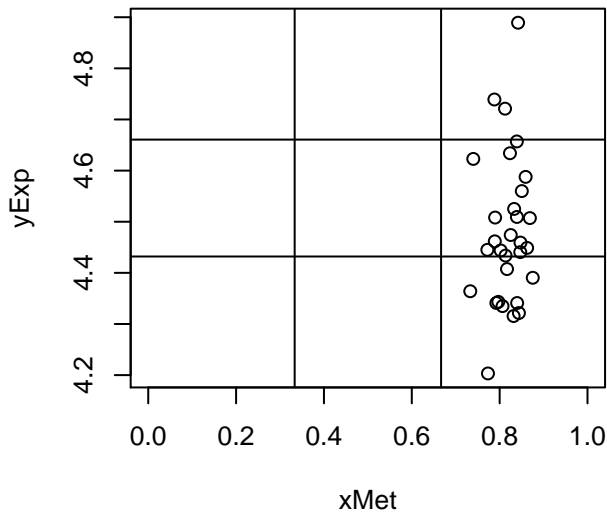
ACPT
L-shaped = FALSE



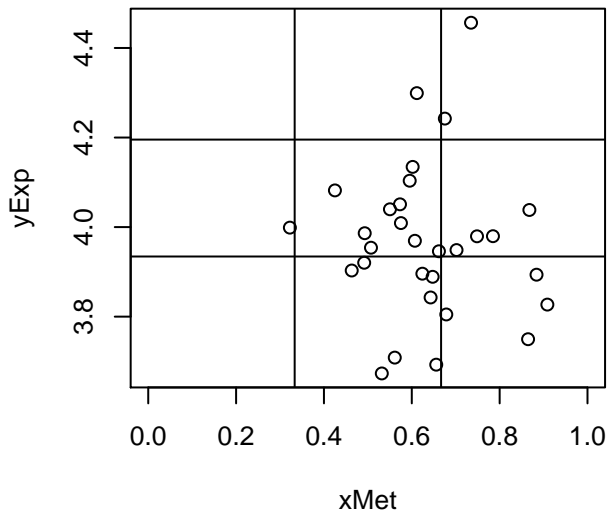
ACRBP
L-shaped = FALSE



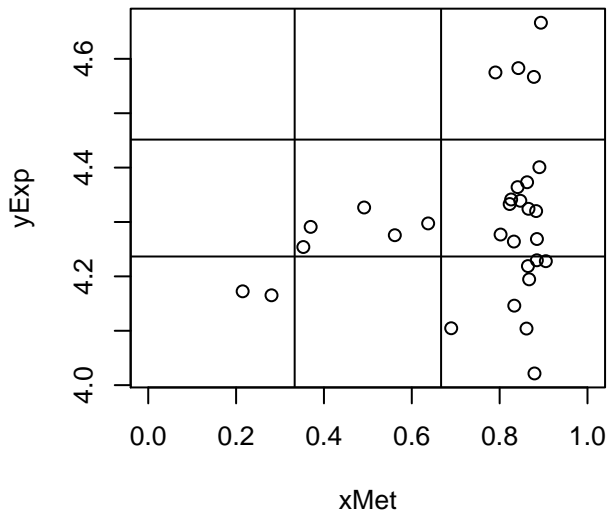
ACRV1
L-shaped = FALSE



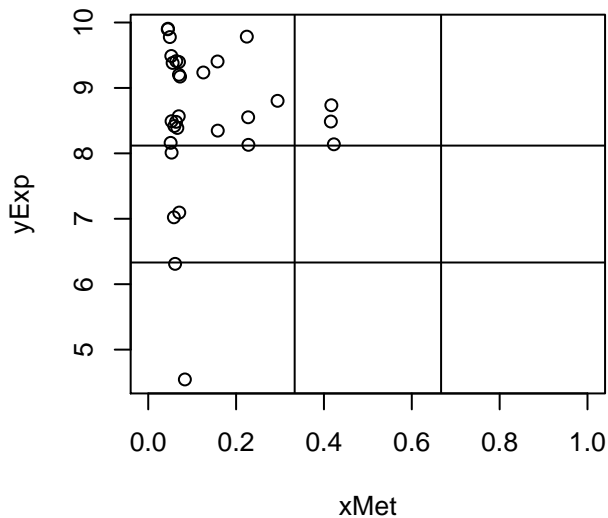
ACSBG1
L-shaped = FALSE



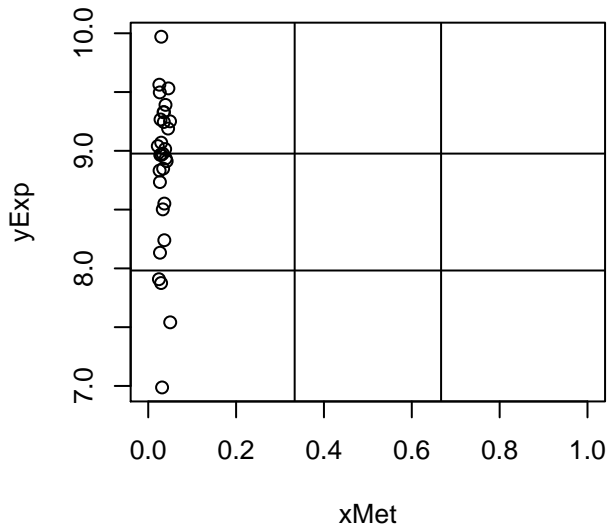
ACSBG2
L-shaped = FALSE



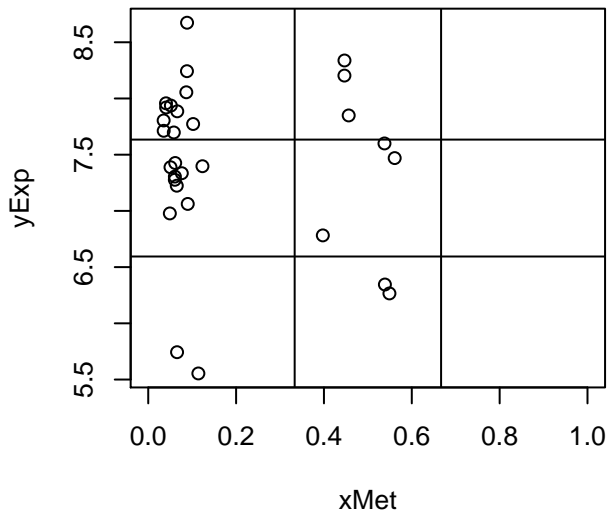
ACSL1
L-shaped = FALSE



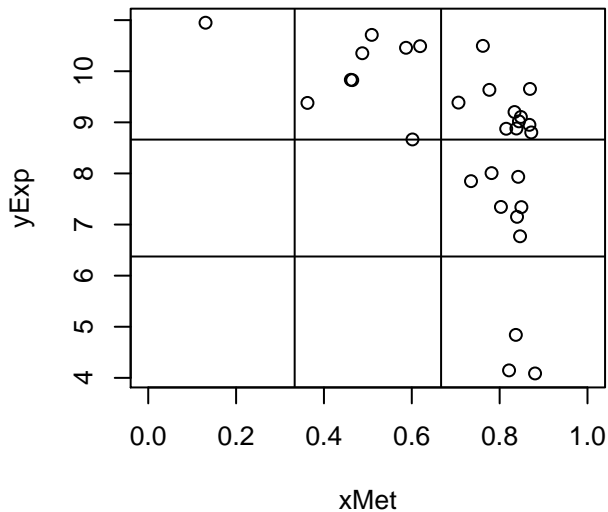
ACSL3
L-shaped = FALSE



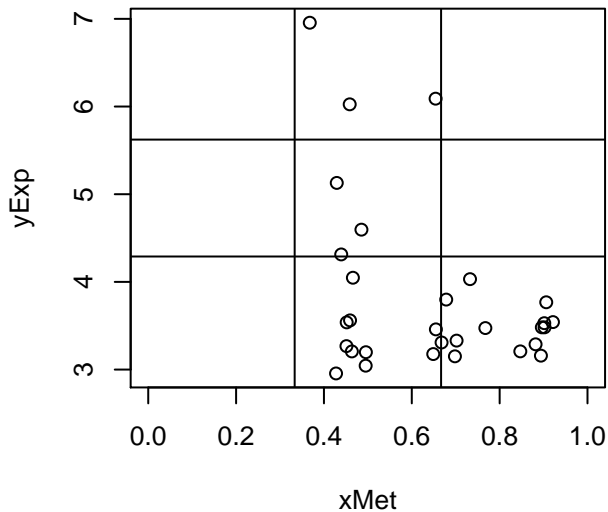
ACSL4
L-shaped = FALSE



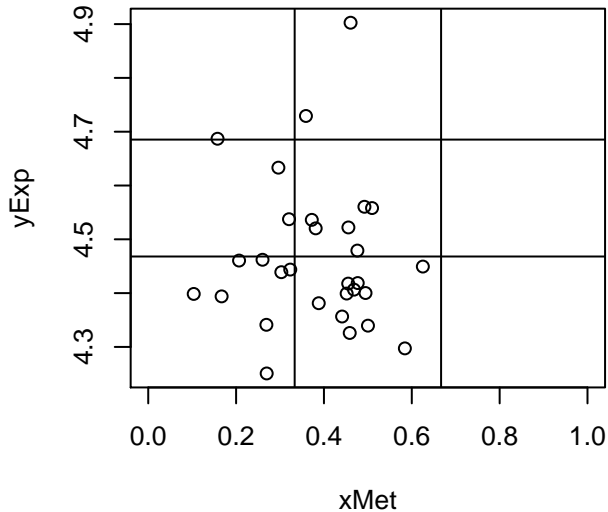
ACSL5
L-shaped = FALSE



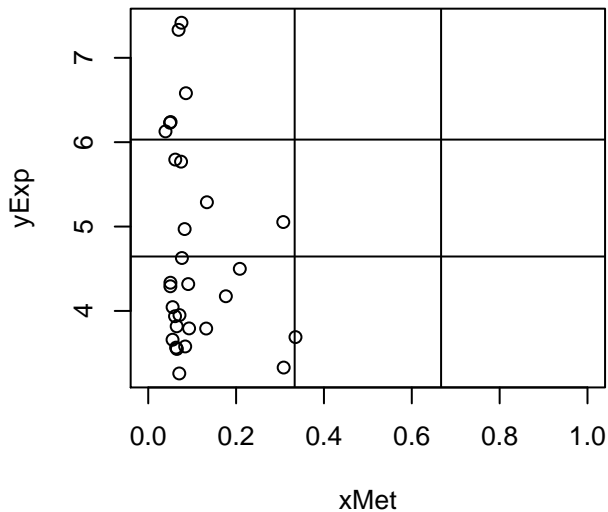
ACSL6
L-shaped = FALSE



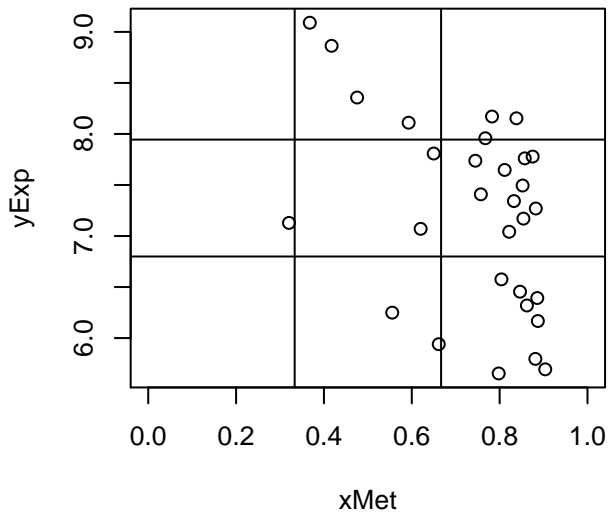
ACSM1
L-shaped = FALSE



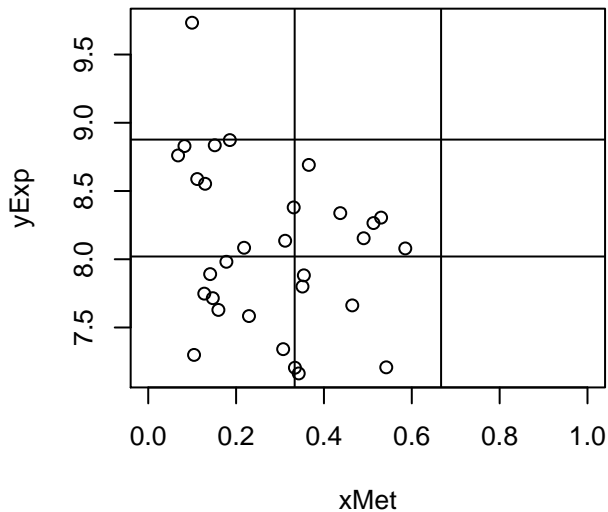
ACSM3
L-shaped = FALSE



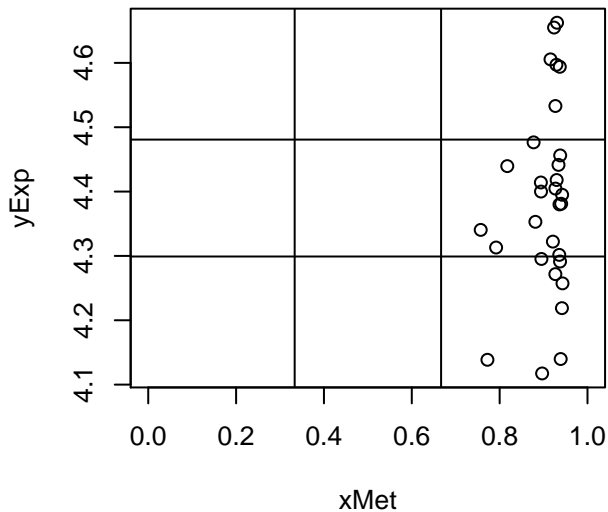
ACSS1
L-shaped = FALSE



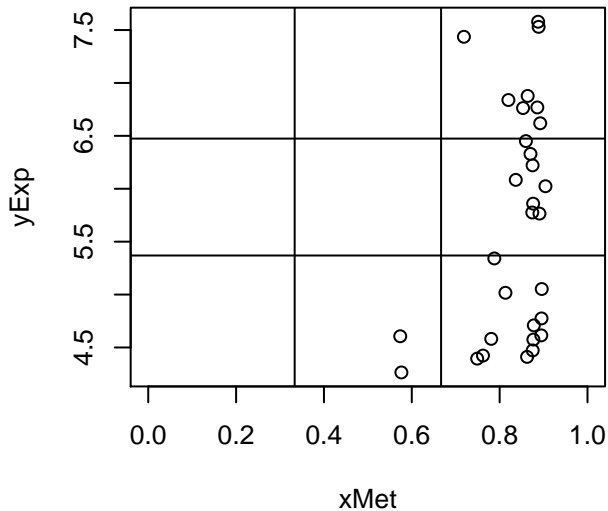
ACSS2
L-shaped = FALSE



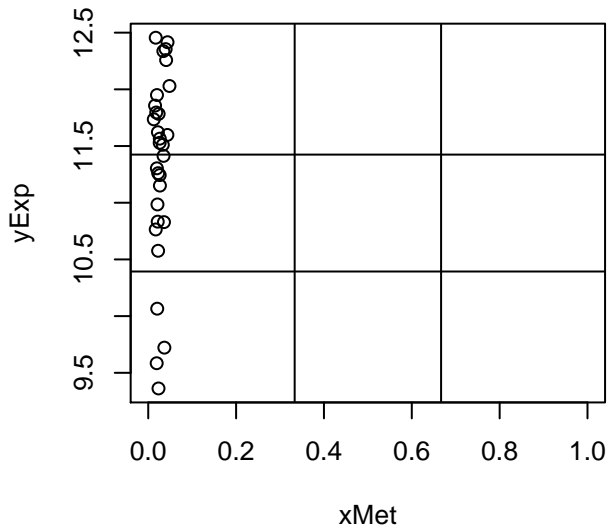
ACTA1
L-shaped = FALSE



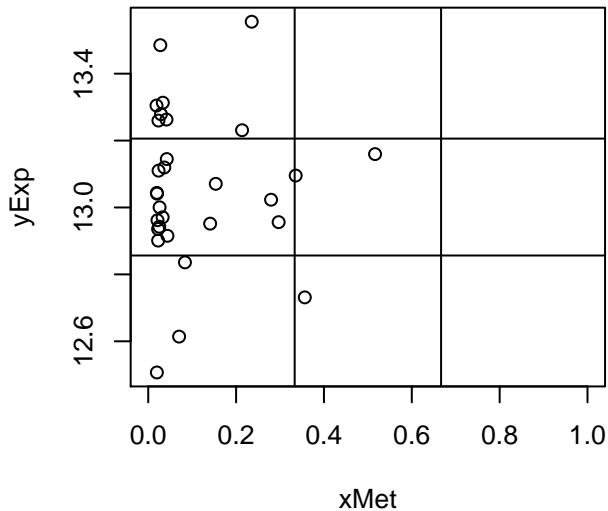
ACTA2
L-shaped = FALSE



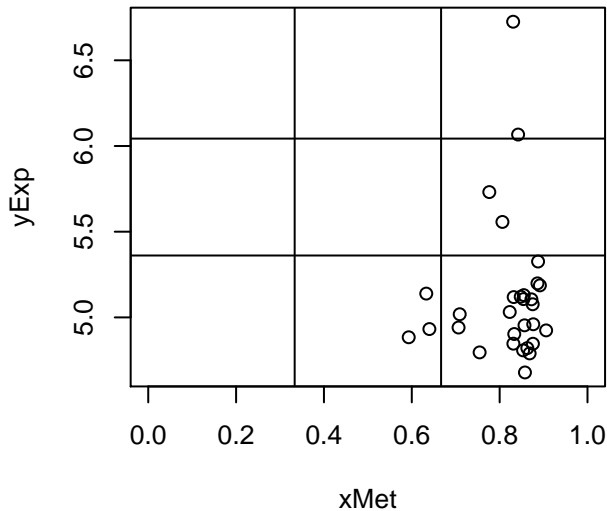
ACTB
L-shaped = FALSE



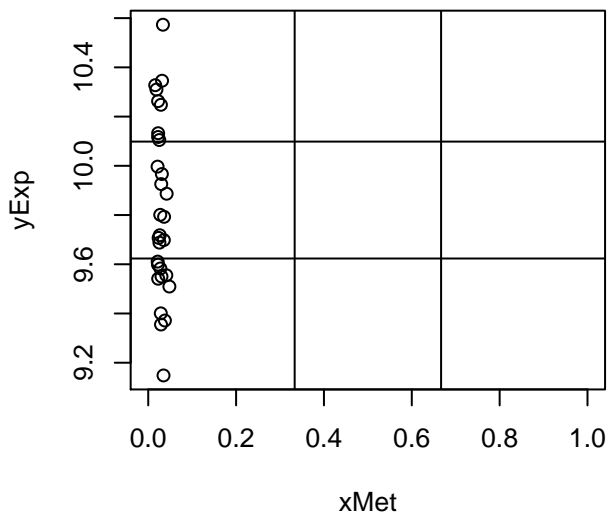
ACTG1
L-shaped = FALSE



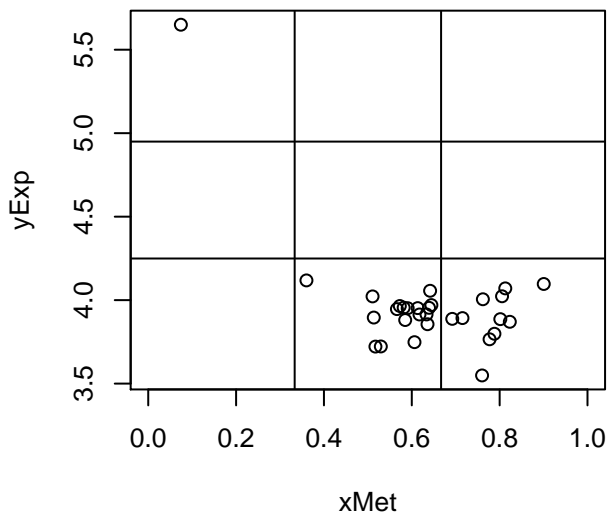
ACTG2
L-shaped = FALSE



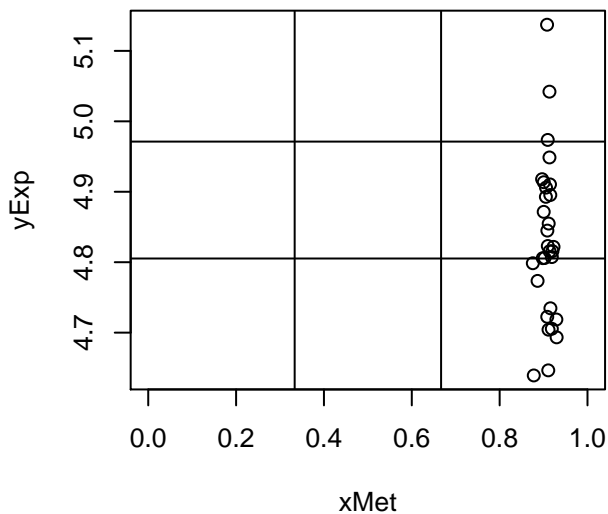
ACTL6A
L-shaped = FALSE



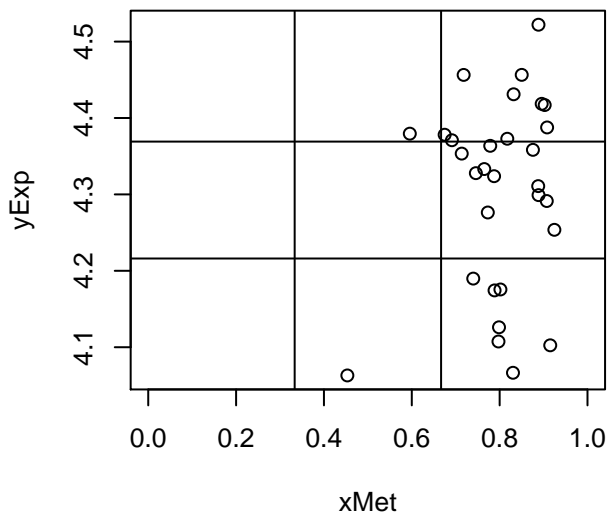
ACTL6B
L-shaped = FALSE



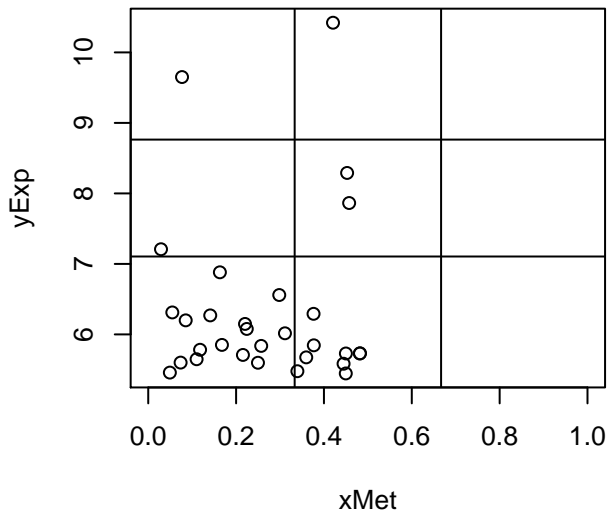
ACTL7A
L-shaped = FALSE



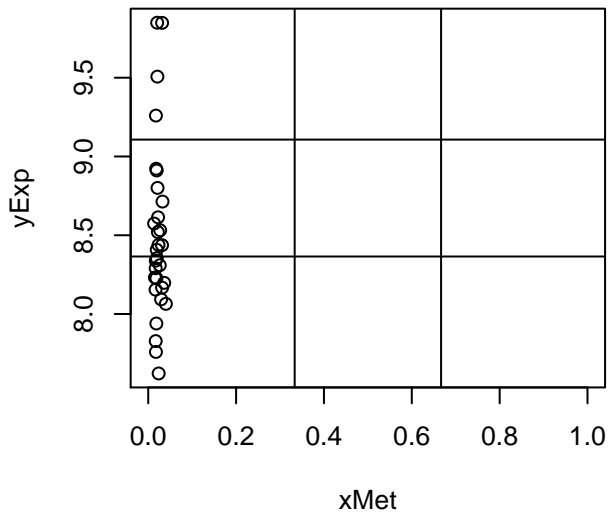
ACTL7B
L-shaped = FALSE



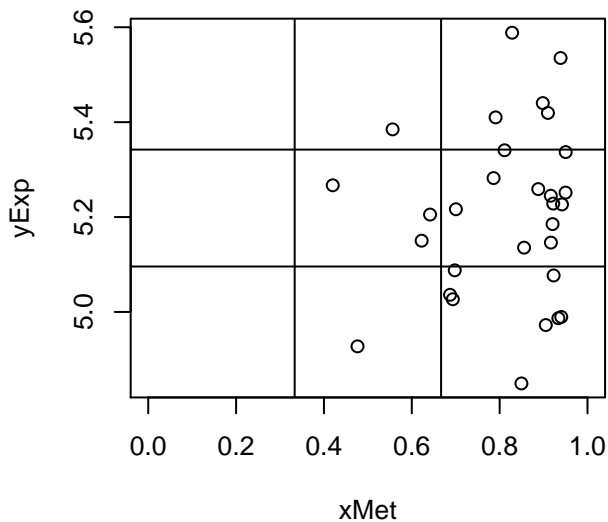
ACTL8
L-shaped = FALSE



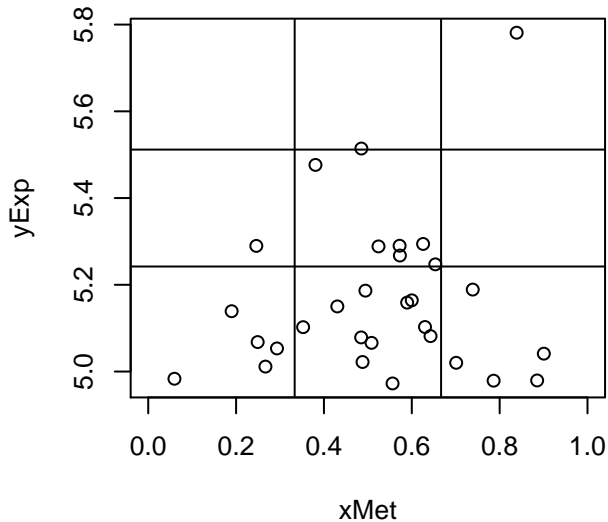
ACTN1
L-shaped = FALSE



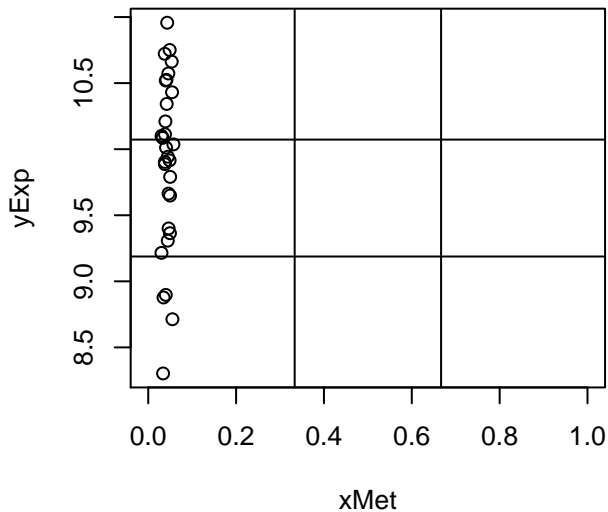
ACTN2
L-shaped = FALSE



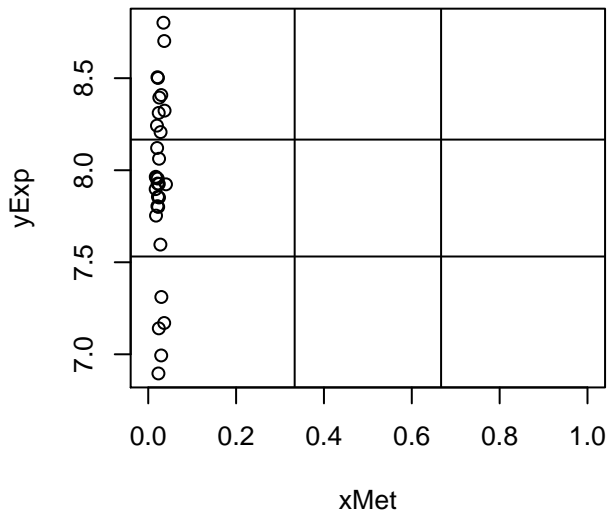
ACTN3
L-shaped = FALSE



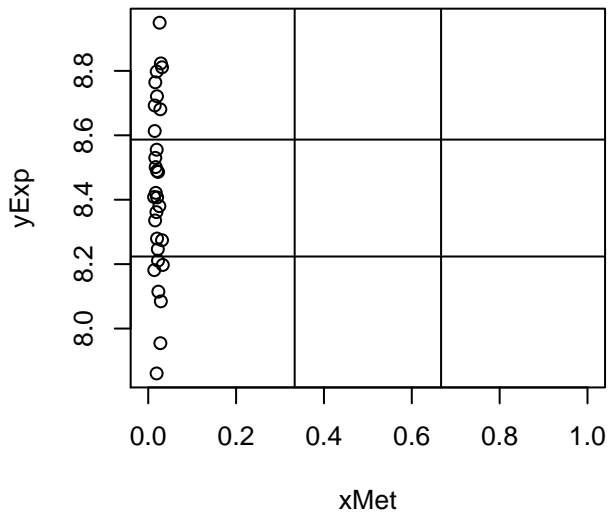
ACTN4
L-shaped = FALSE



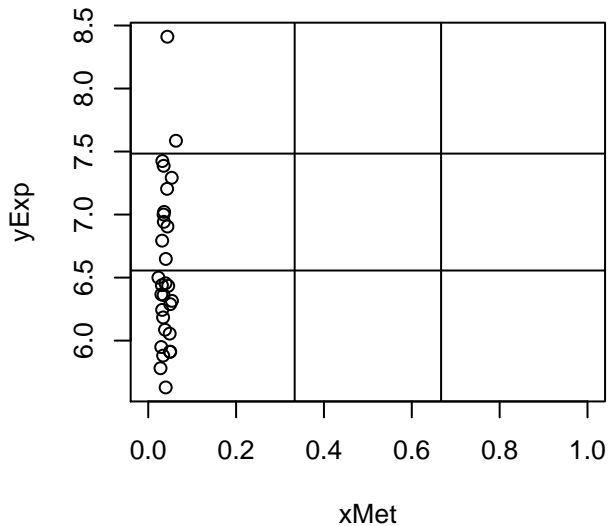
ACTR1A
L-shaped = FALSE



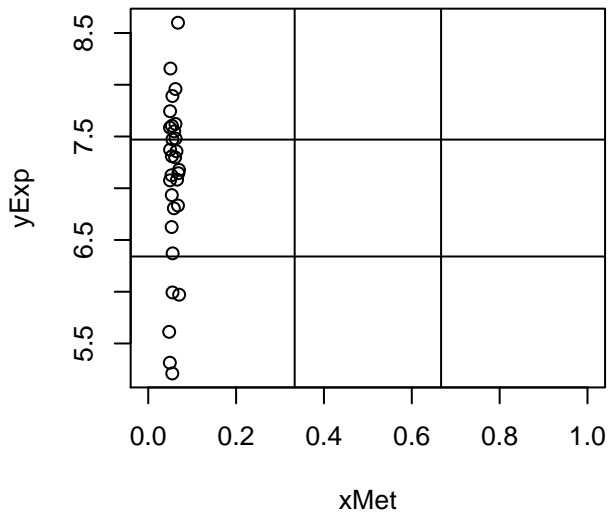
ACTR1B
L-shaped = FALSE



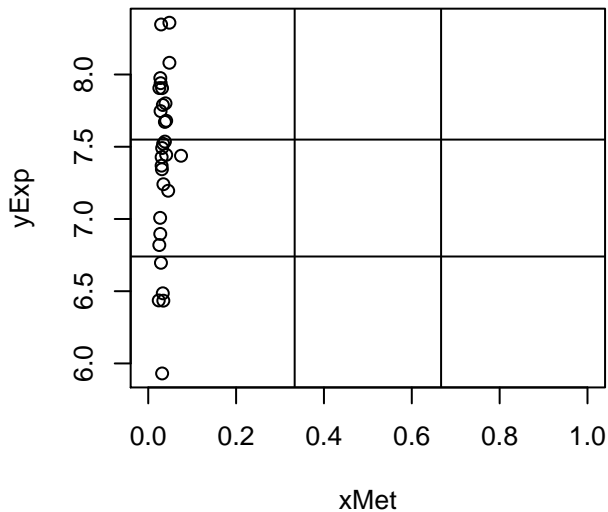
ACTR2
L-shaped = FALSE



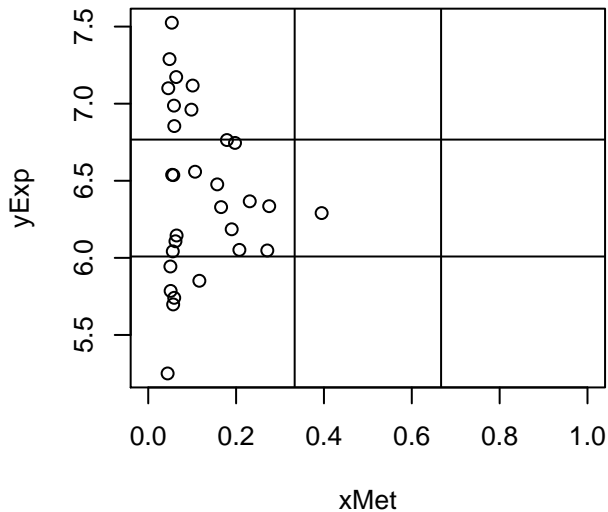
ACTR3
L-shaped = FALSE



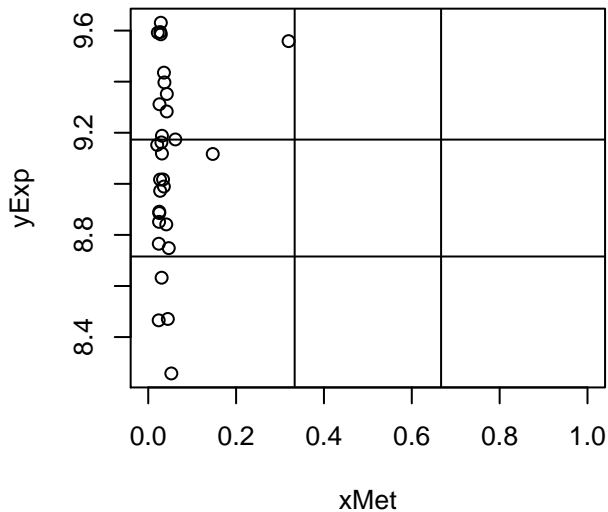
ACTR3B
L-shaped = FALSE



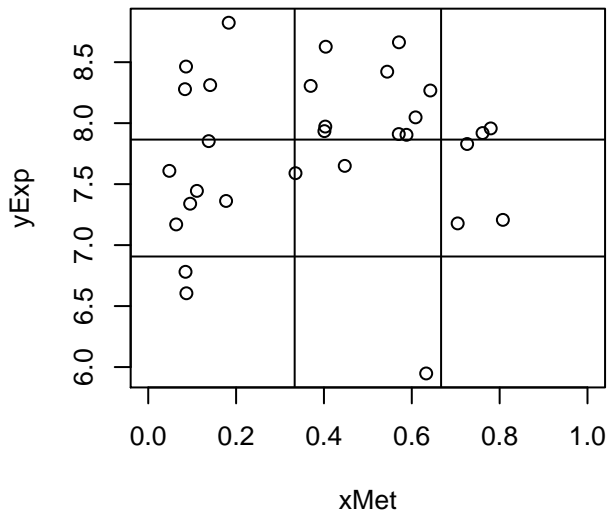
ACTR5
L-shaped = FALSE



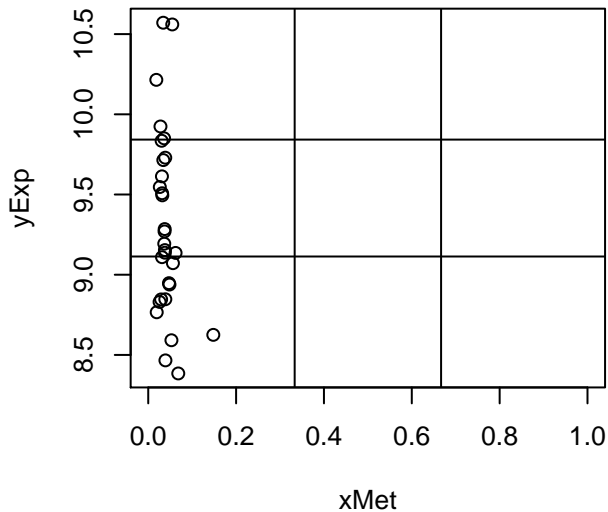
ACTR6
L-shaped = FALSE



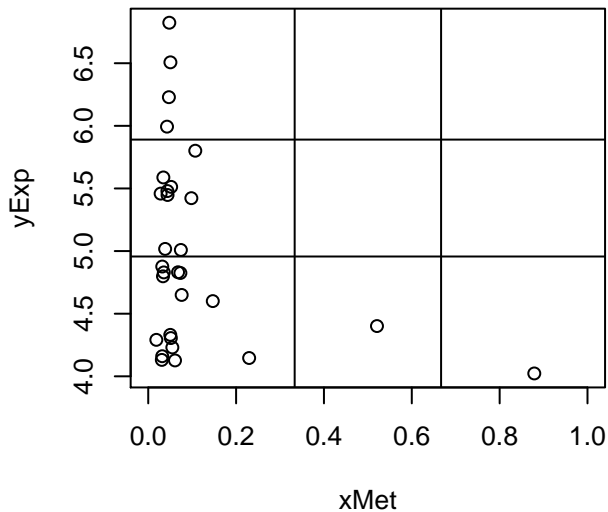
ACVR1
L-shaped = FALSE



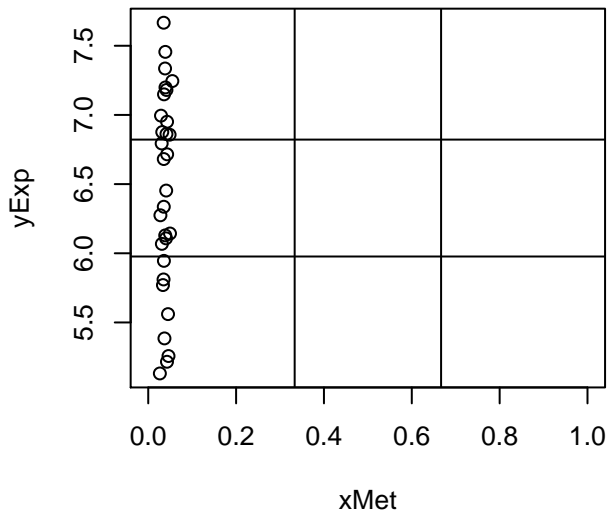
ACVR1B
L-shaped = FALSE



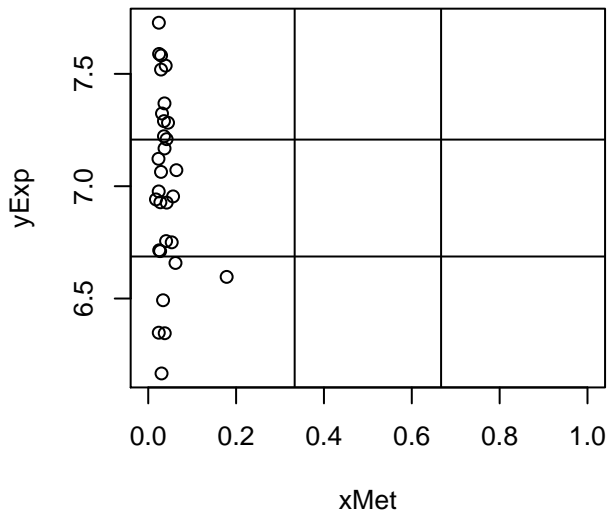
ACVR1C
L-shaped = FALSE



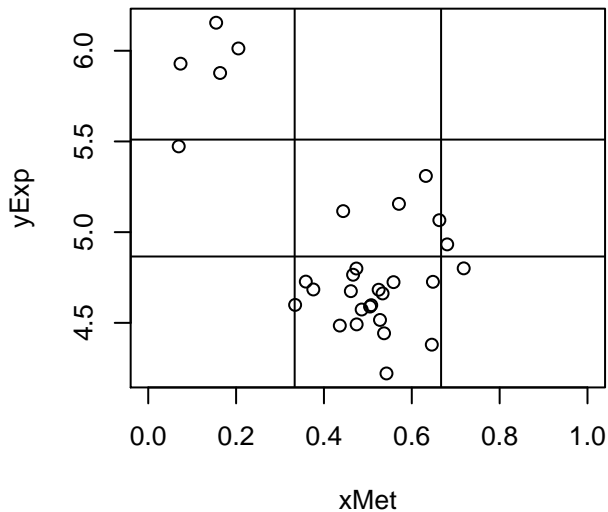
ACVR2A
L-shaped = FALSE



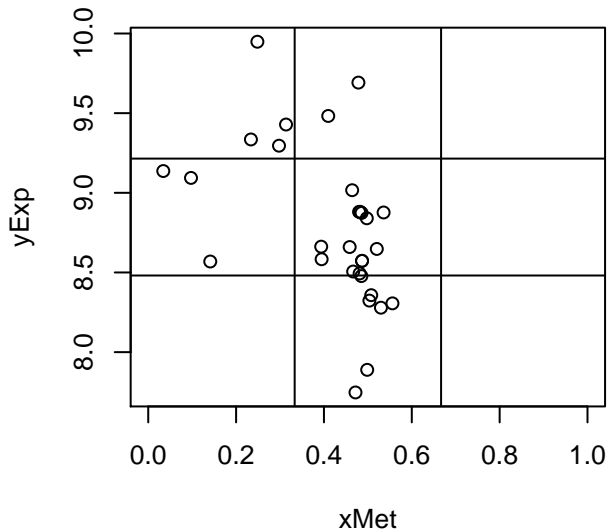
ACVR2B
L-shaped = FALSE



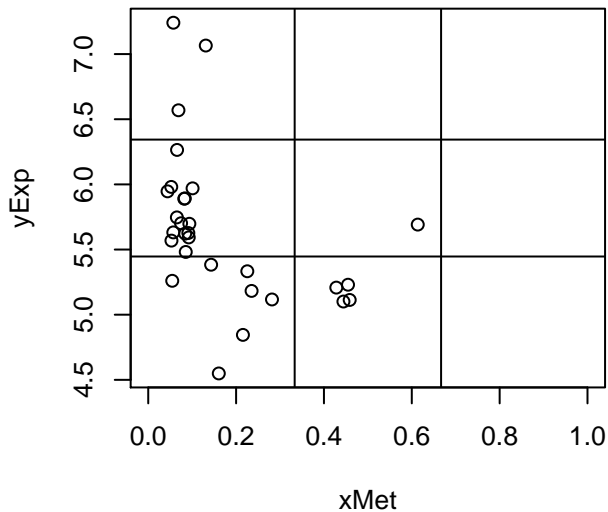
ACVRL1
L-shaped = FALSE



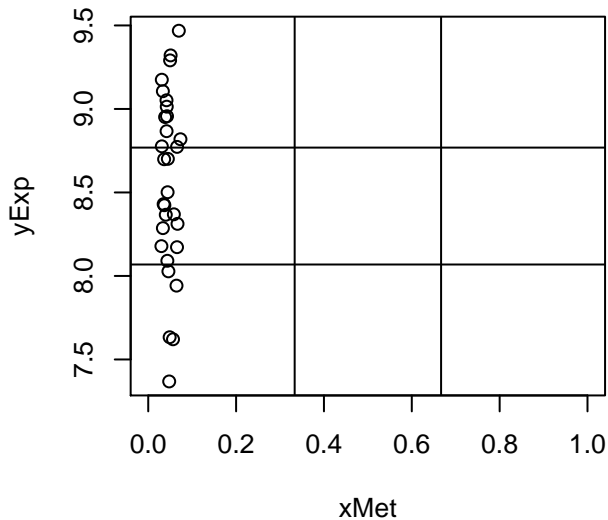
ACY1
L-shaped = FALSE



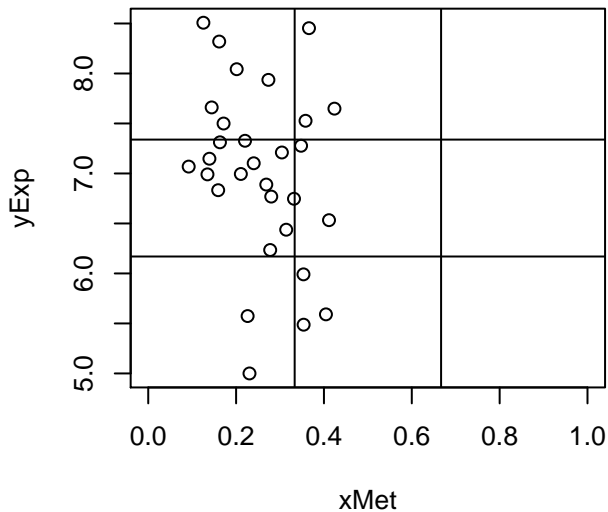
ACY3
L-shaped = FALSE



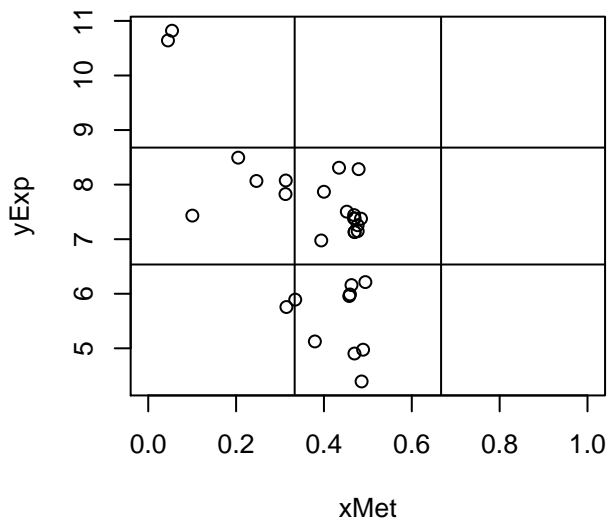
ACYP1
L-shaped = FALSE



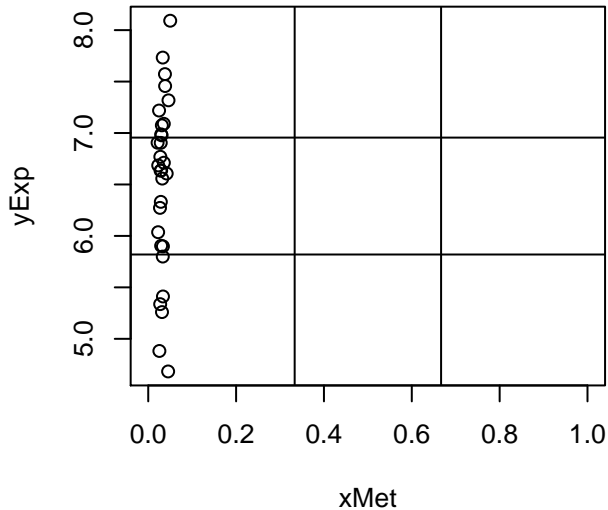
ACYP2
L-shaped = FALSE



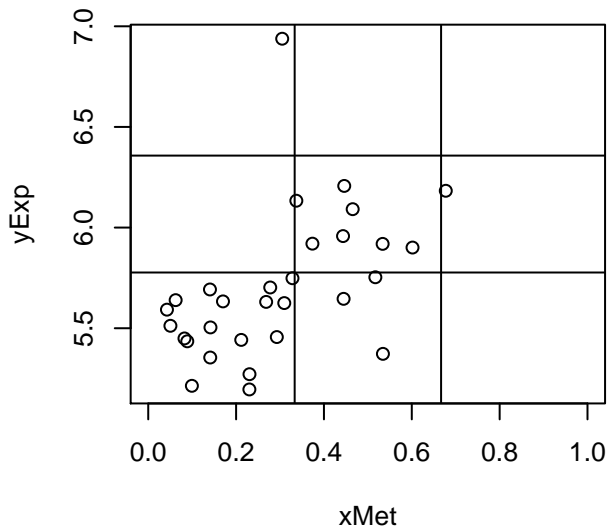
ADA
L-shaped = FALSE



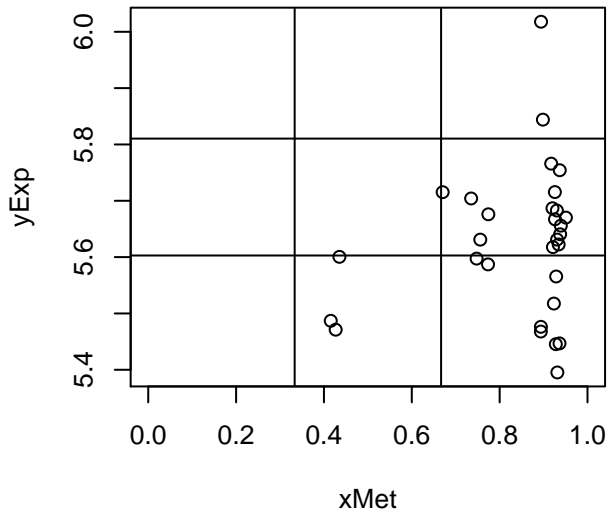
ADAM10
L-shaped = FALSE



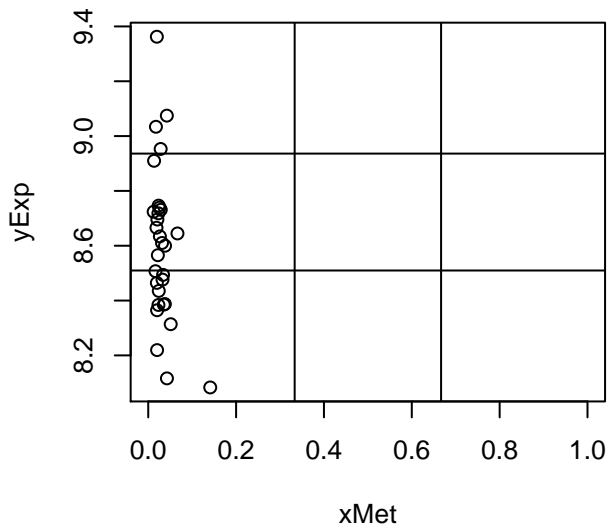
ADAM11
L-shaped = FALSE



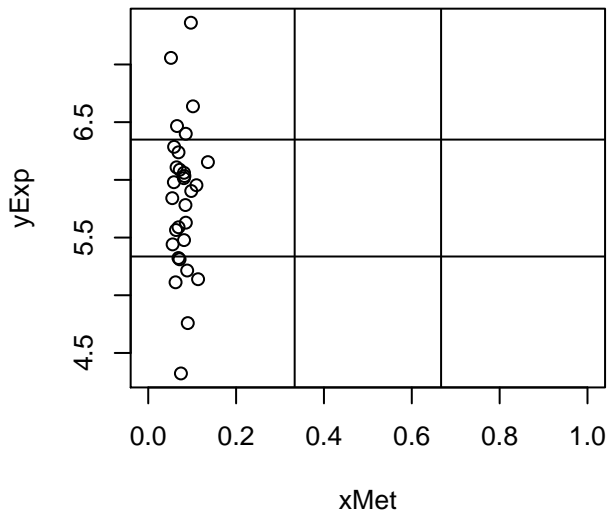
ADAM12
L-shaped = FALSE



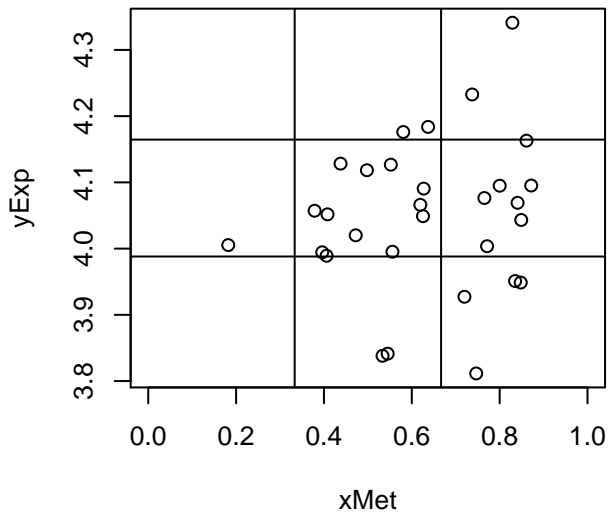
ADAM15
L-shaped = FALSE



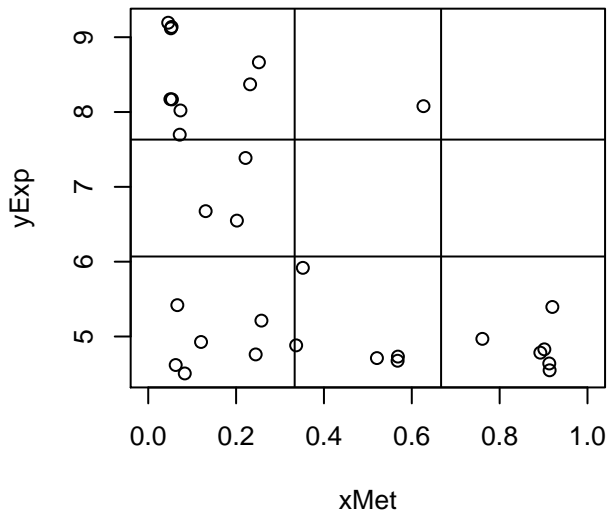
ADAM17
L-shaped = FALSE



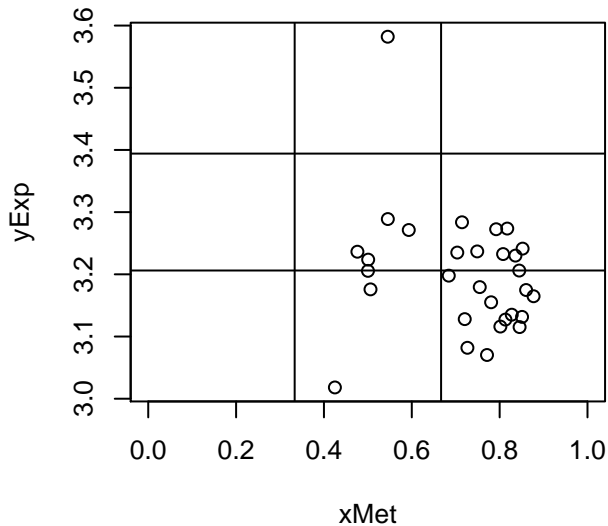
ADAM18
L-shaped = FALSE



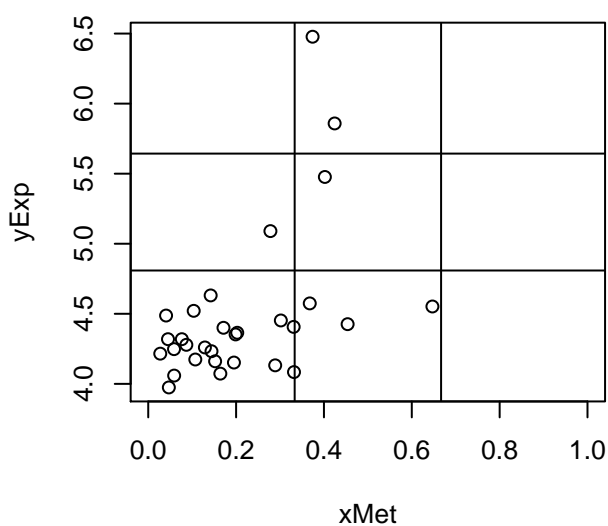
ADAM19
L-shaped = TRUE



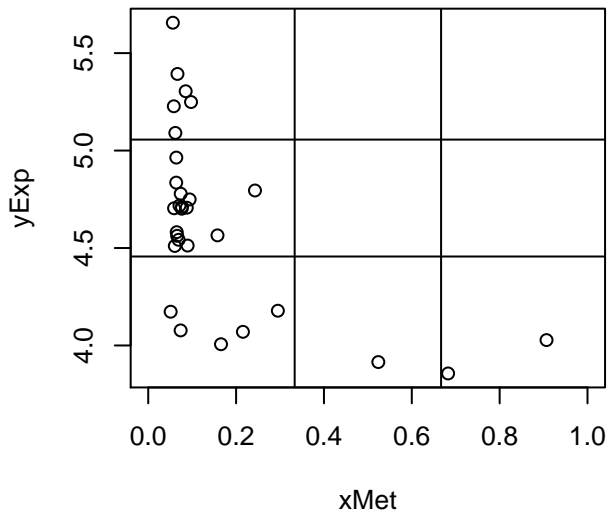
ADAM2
L-shaped = FALSE



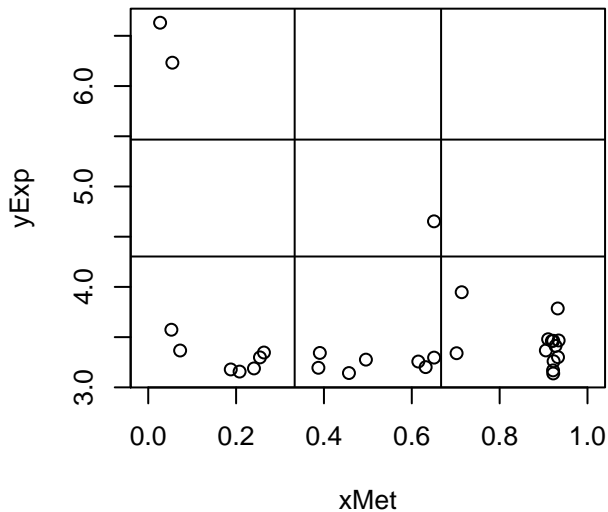
ADAM21
L-shaped = FALSE



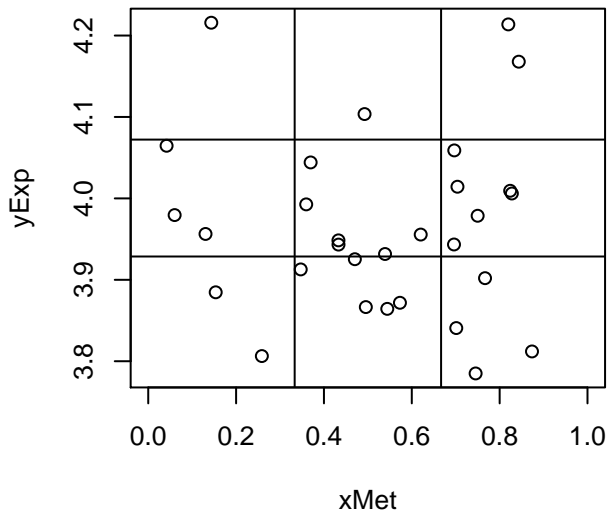
ADAM22
L-shaped = FALSE



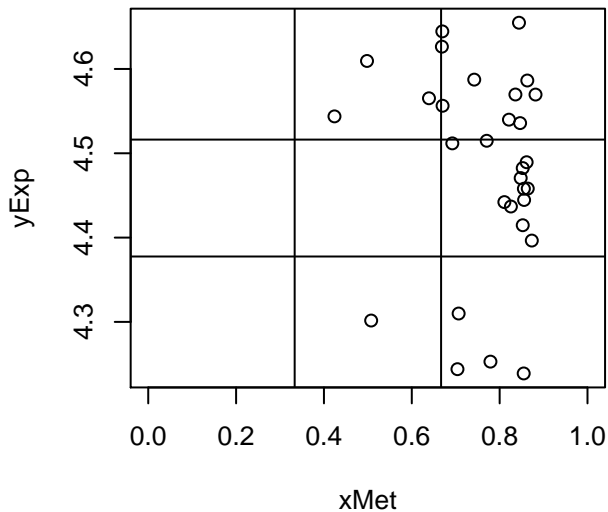
ADAM23
L-shaped = FALSE



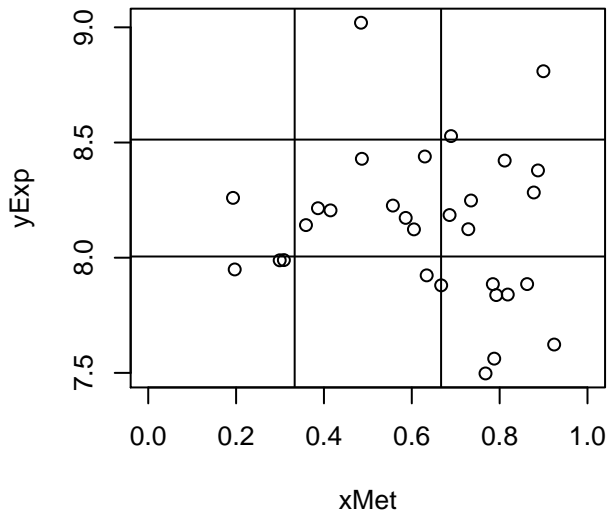
ADAM29
L-shaped = FALSE



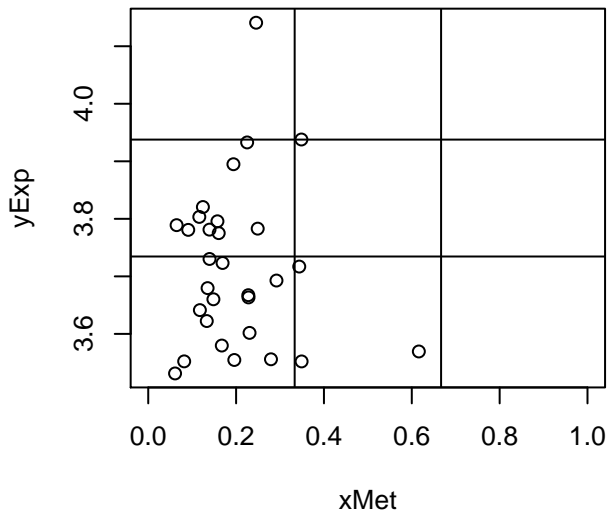
ADAM30
L-shaped = FALSE



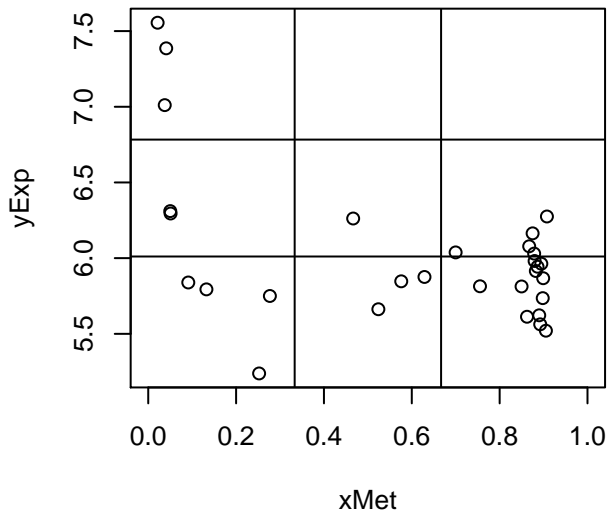
ADAM33
L-shaped = FALSE



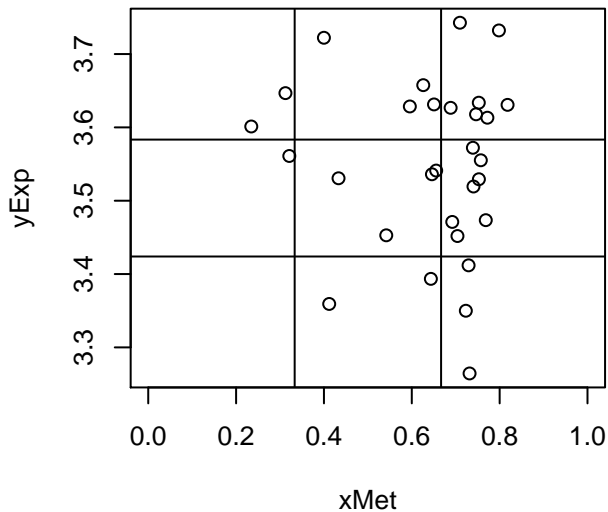
ADAM7
L-shaped = FALSE



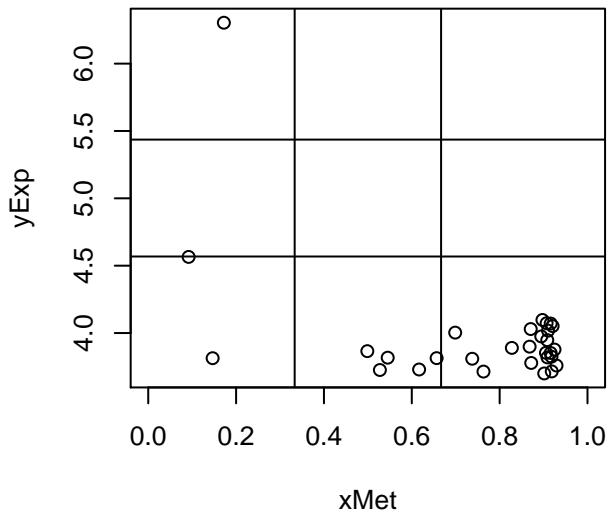
ADAM8
L-shaped = TRUE



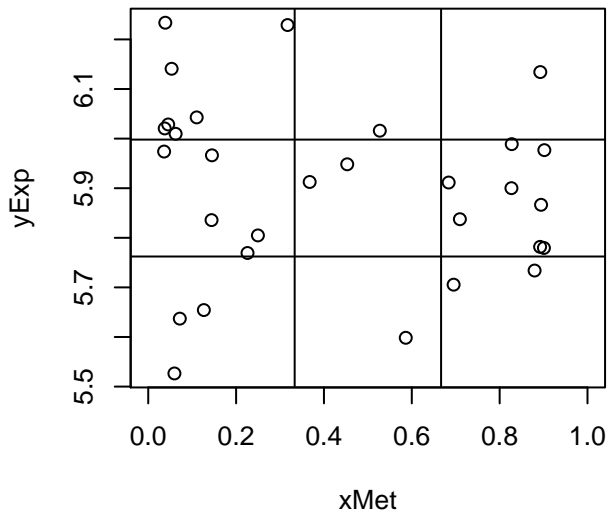
ADAMDEC1
L-shaped = FALSE



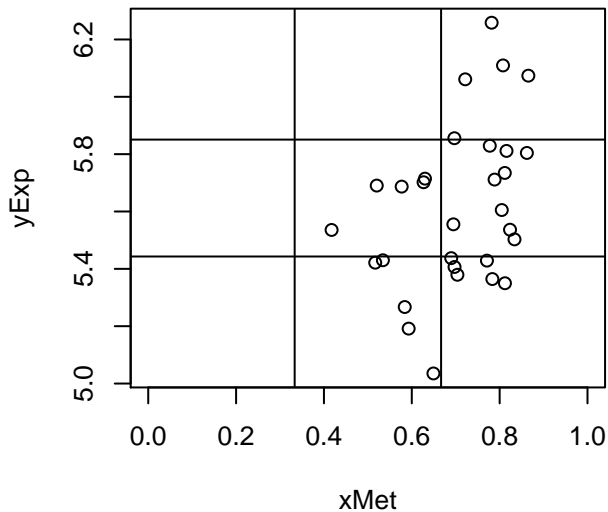
ADAMTS1
L-shaped = FALSE



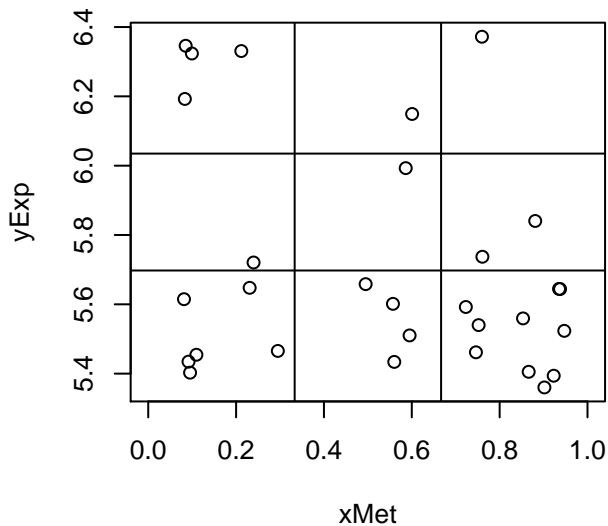
ADAMTS10
L-shaped = FALSE



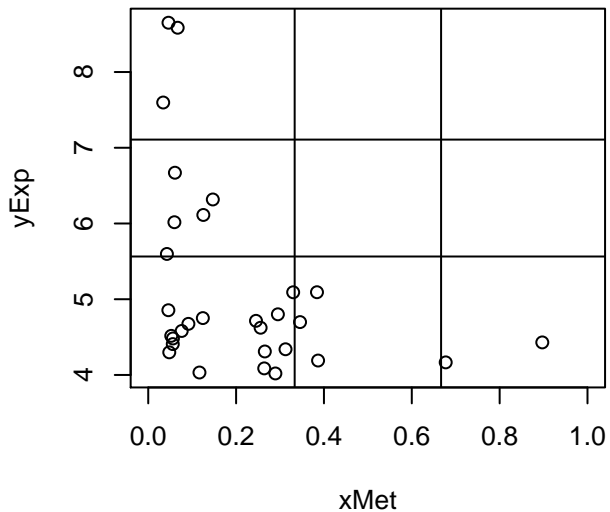
ADAMTS13
L-shaped = FALSE



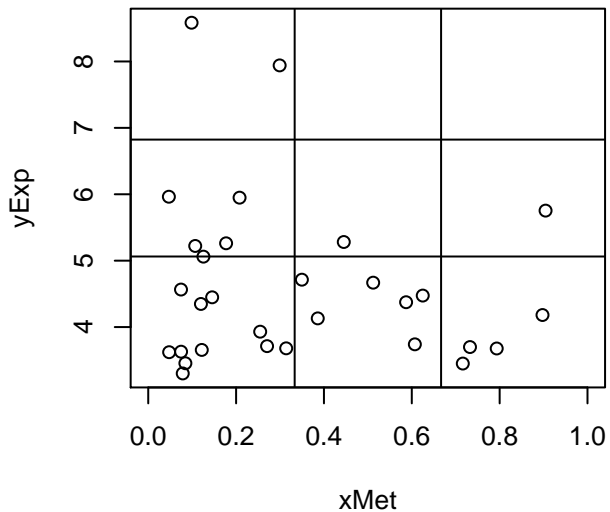
ADAMTS14
L-shaped = FALSE



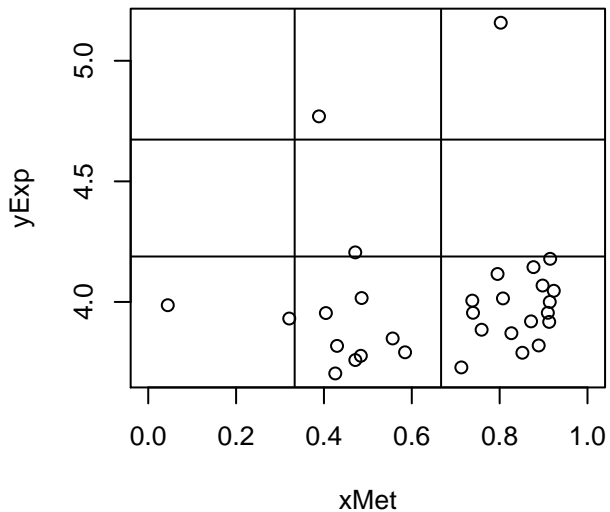
ADAMTS15
L-shaped = FALSE



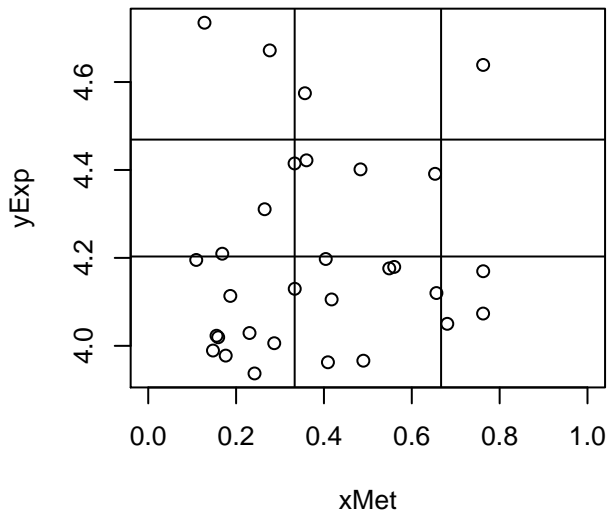
ADAMTS17
L-shaped = FALSE



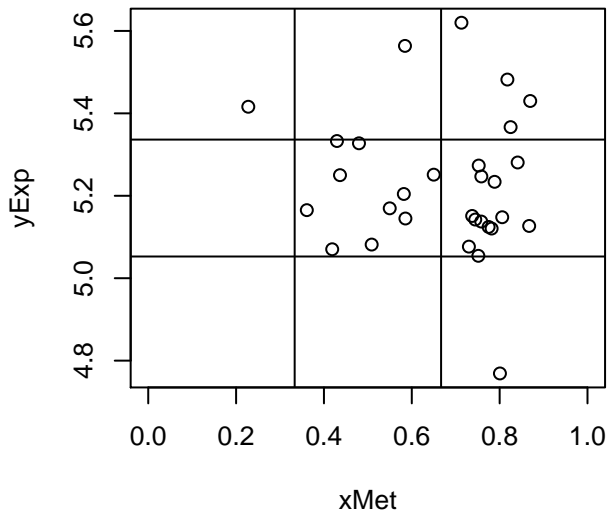
ADAMTS18
L-shaped = FALSE



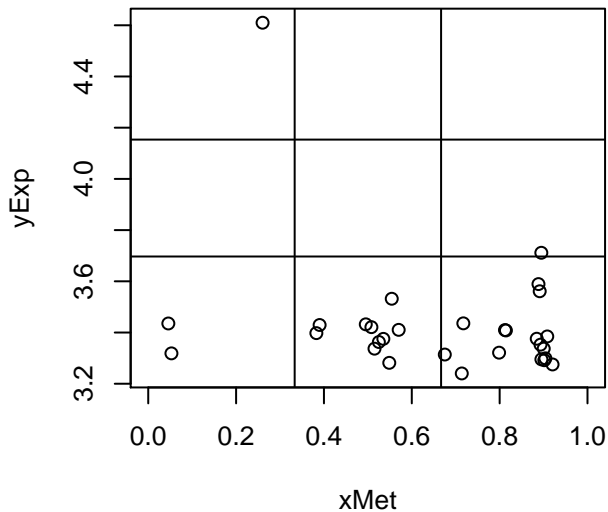
ADAMTS19
L-shaped = FALSE



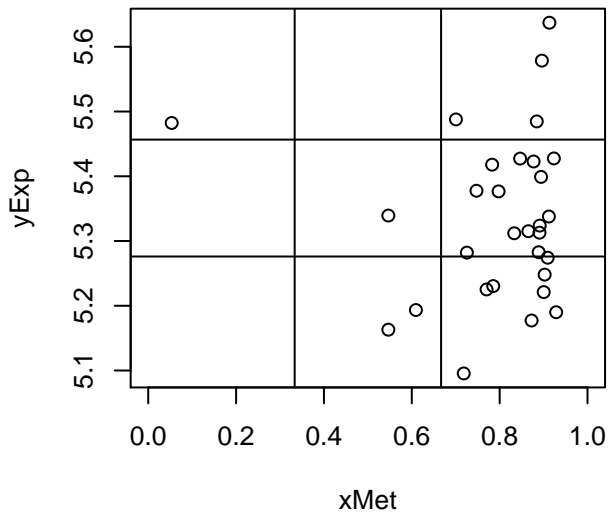
ADAMTS2
L-shaped = FALSE



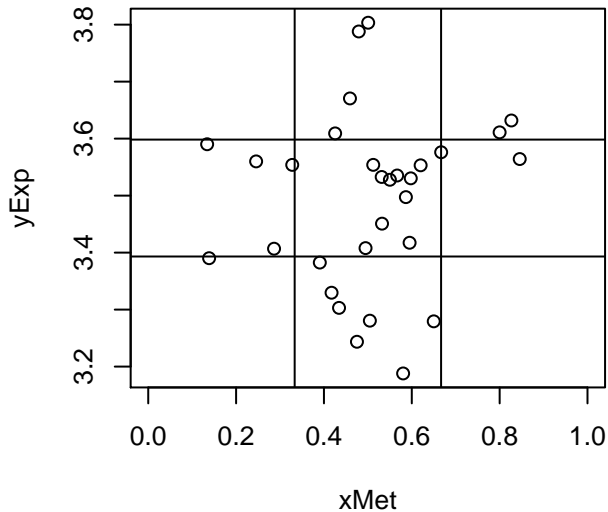
ADAMTS3
L-shaped = FALSE



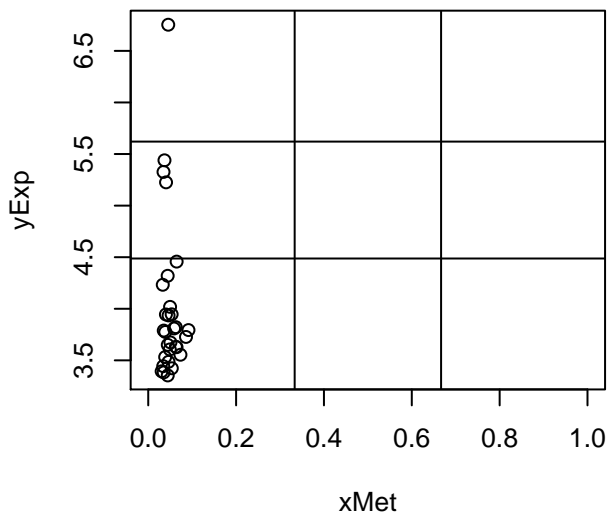
ADAMTS4
L-shaped = FALSE



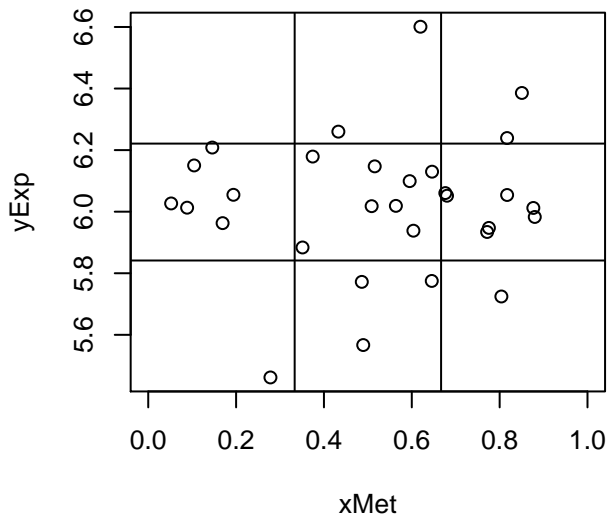
ADAMTS5
L-shaped = FALSE



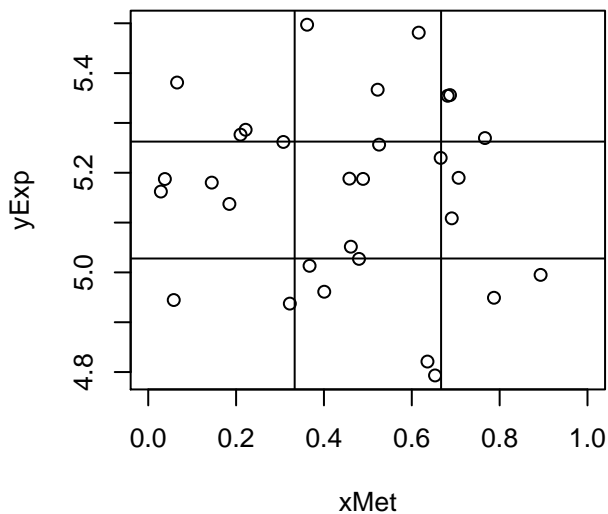
ADAMTS6
L-shaped = FALSE



ADAMTS7
L-shaped = FALSE



ADAMTS8
L-shaped = FALSE



ADAMTS9
L-shaped = FALSE

