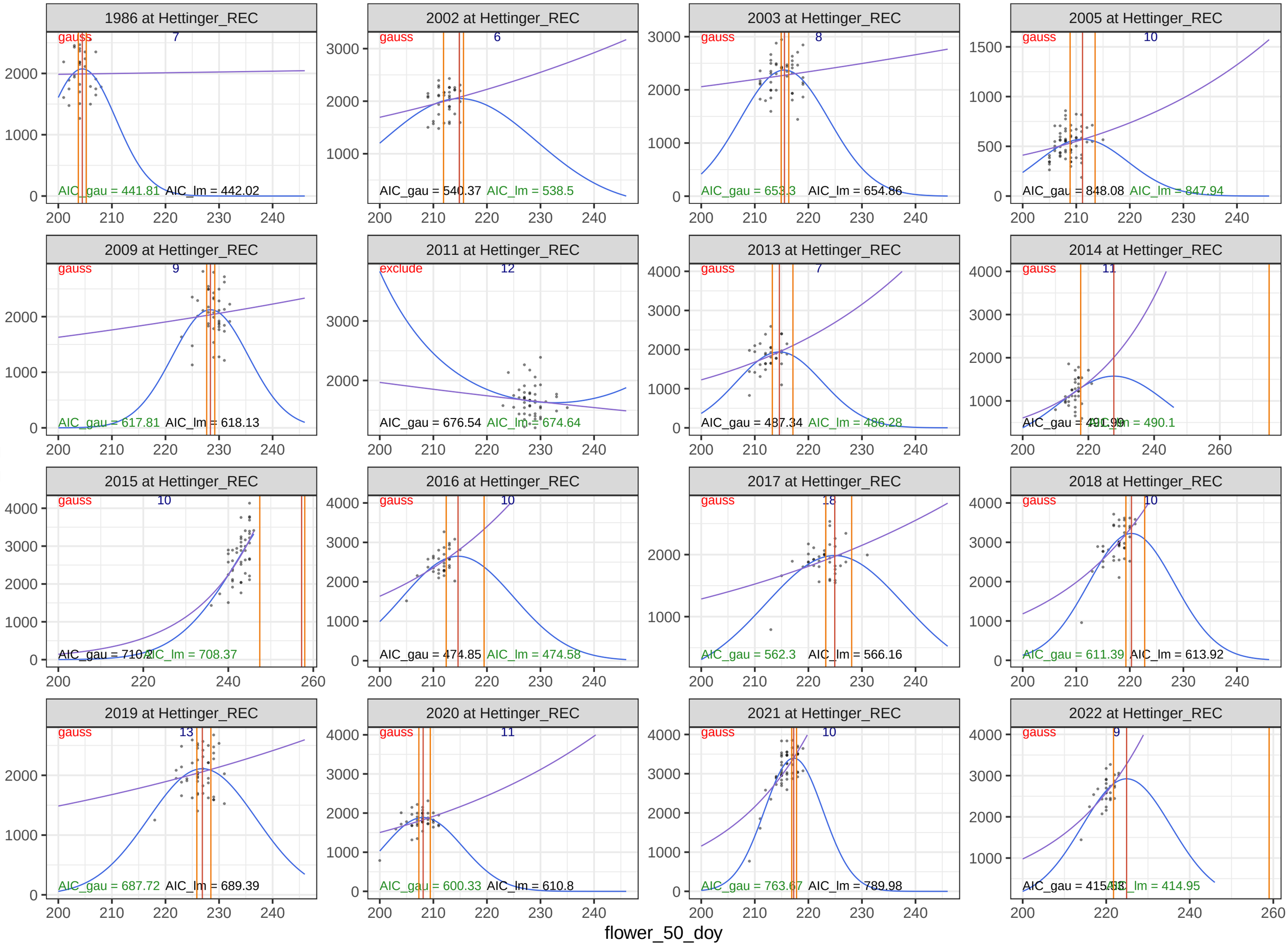
Hettinger_REC



Alliance−Hemingford_1Alliance−Hemingford_2

2014 at Alliance−Hemingford_1

gauss

10

2016 at Alliance−Hemingford_2

exclude

9

yield_lb_acre

1400
1300
1200
1100
1000

1000
900
800

AIC_gau = 145.5

AIC_lm = 144.37

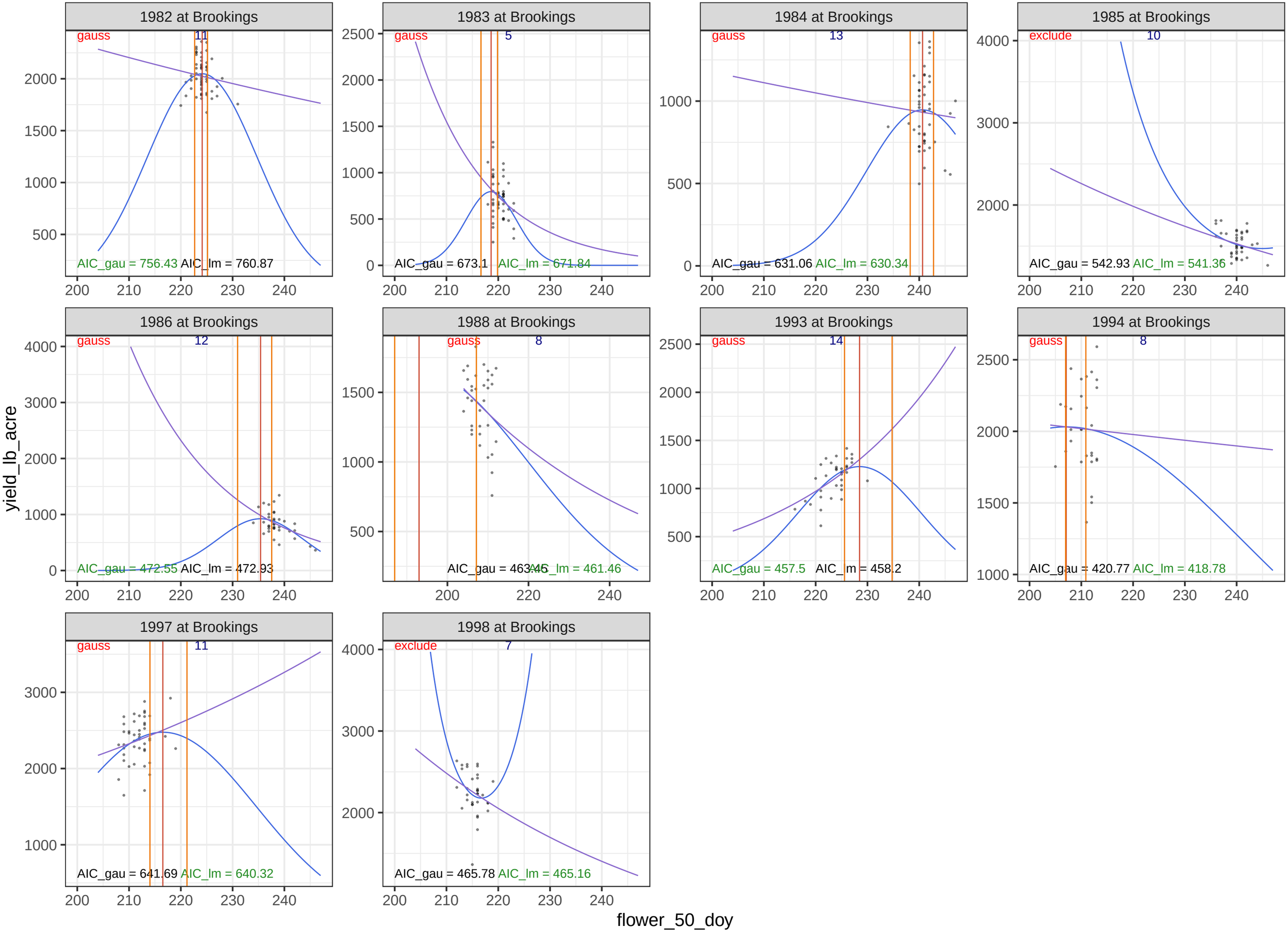
AIC_gau = 170.06

AIC_lm = 169.11

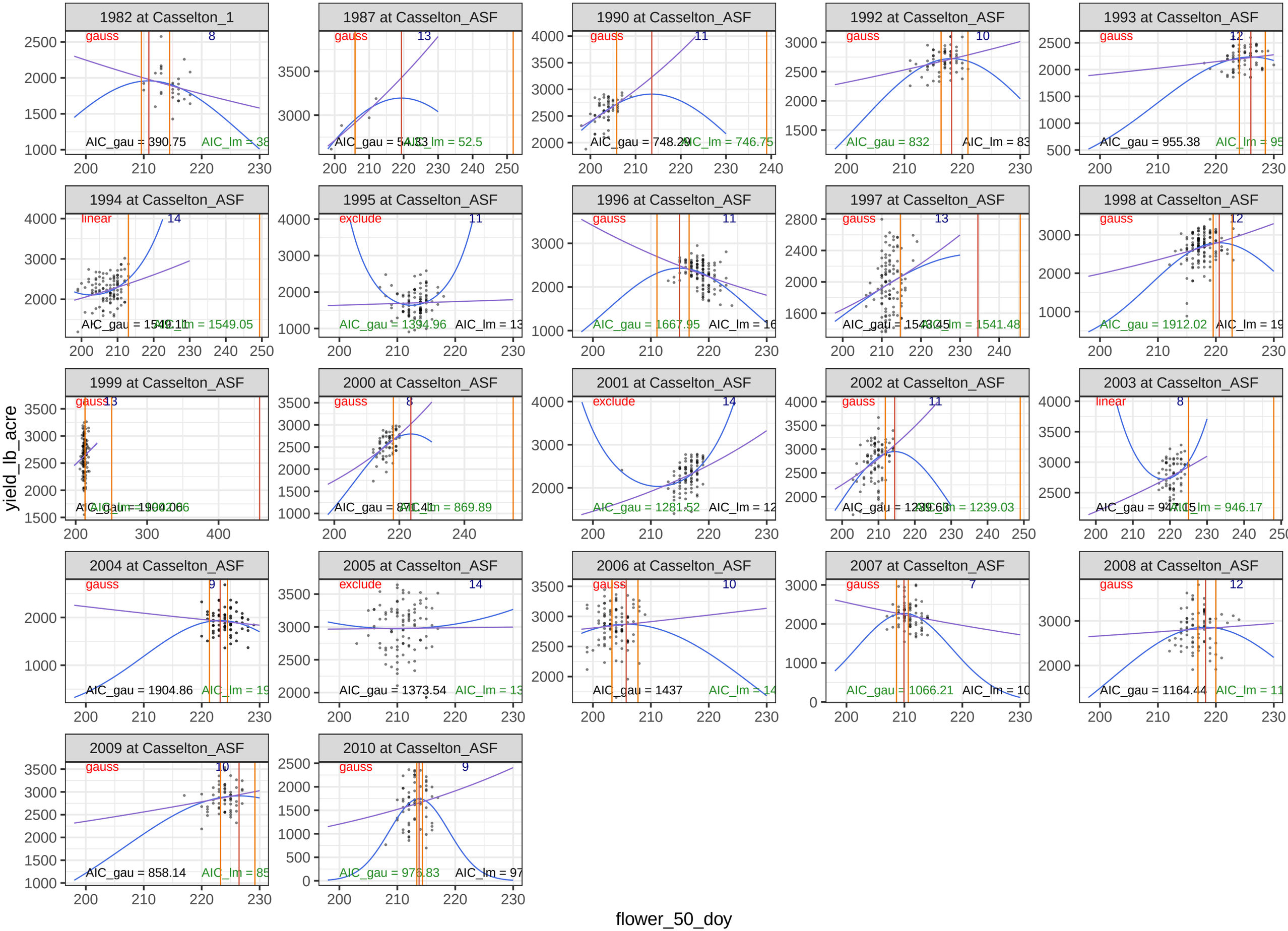
200
210
220
230

flower_50_doy

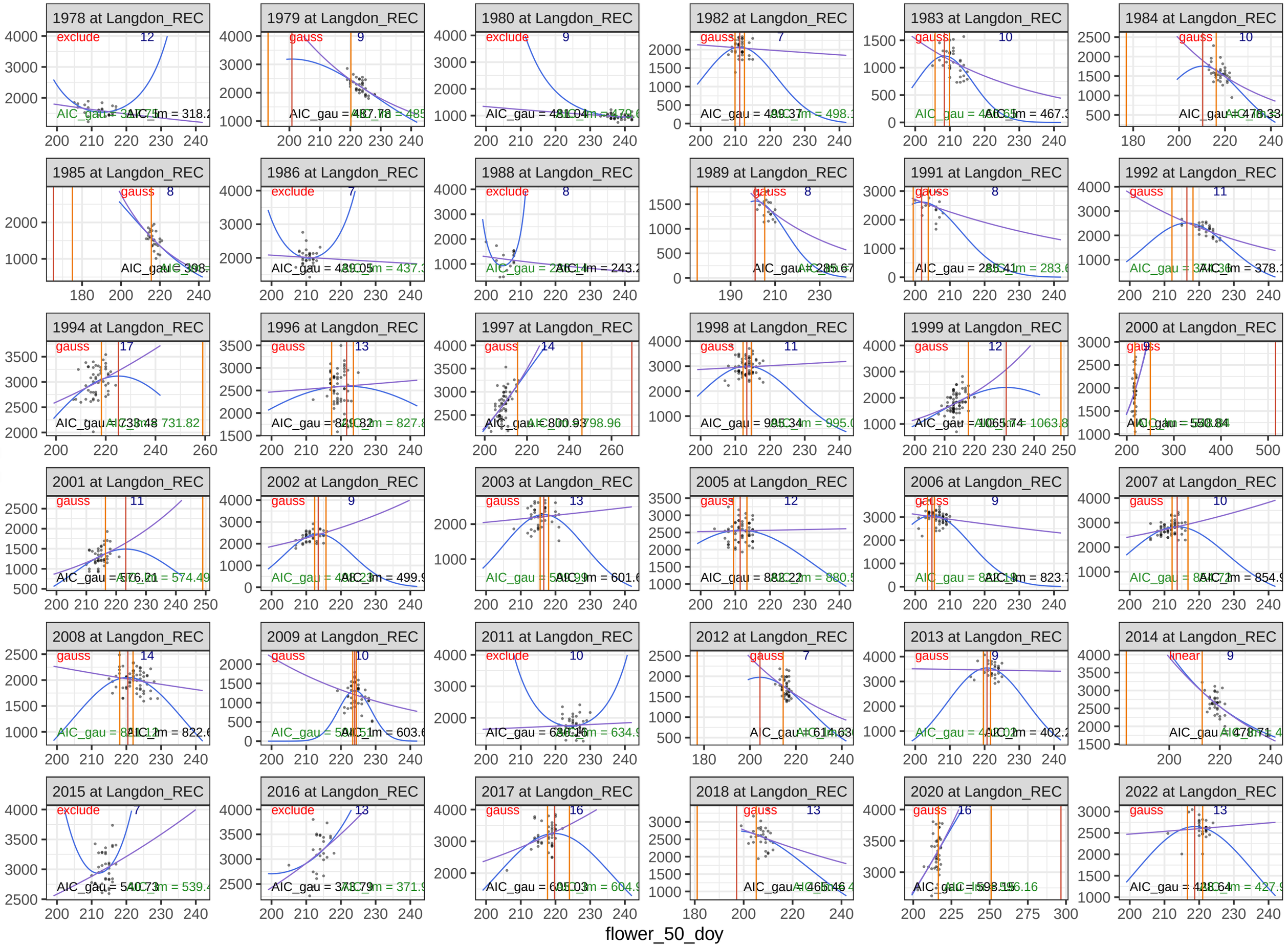
Brookings


1982 at Brookings
gauss
11
AIC_gau = 756.43 AIC_lm = 760.87
1983 at Brookings
gauss
5
AIC_gau = 673.1 AIC_lm = 671.84
1984 at Brookings
gauss
13
AIC_gau = 631.06 AIC_lm = 630.34
1985 at Brookings
exclude
10
AIC_gau = 542.93 AIC_lm = 541.36
1986 at Brookings
gauss
12
AIC_gau = 472.55 AIC_lm = 472.93
1988 at Brookings
gauss
8
AIC_gau = 463.46 AIC_lm = 461.46
1993 at Brookings
gauss
14
AIC_gau = 457.5 AIC_lm = 458.2
1994 at Brookings
gauss
8
AIC_gau = 420.77 AIC_lm = 418.78
1997 at Brookings
gauss
11
AIC_gau = 641.69 AIC_lm = 640.32
1998 at Brookings
exclude
7
AIC_gau = 465.78 AIC_lm = 465.16
yield_lb_acre
flower_50_doy

Casselton_ASFCasselton_1

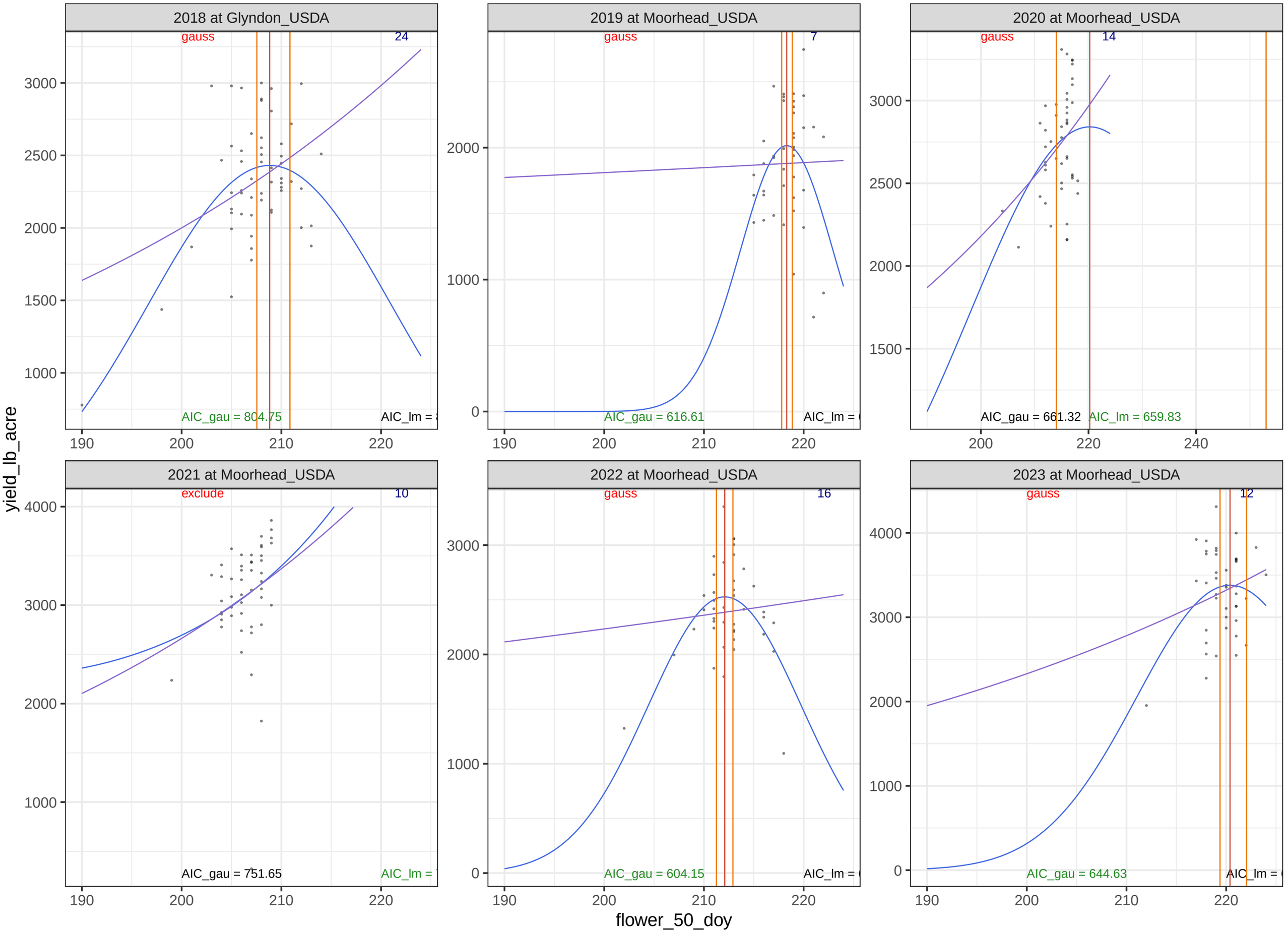


Langdon_REC

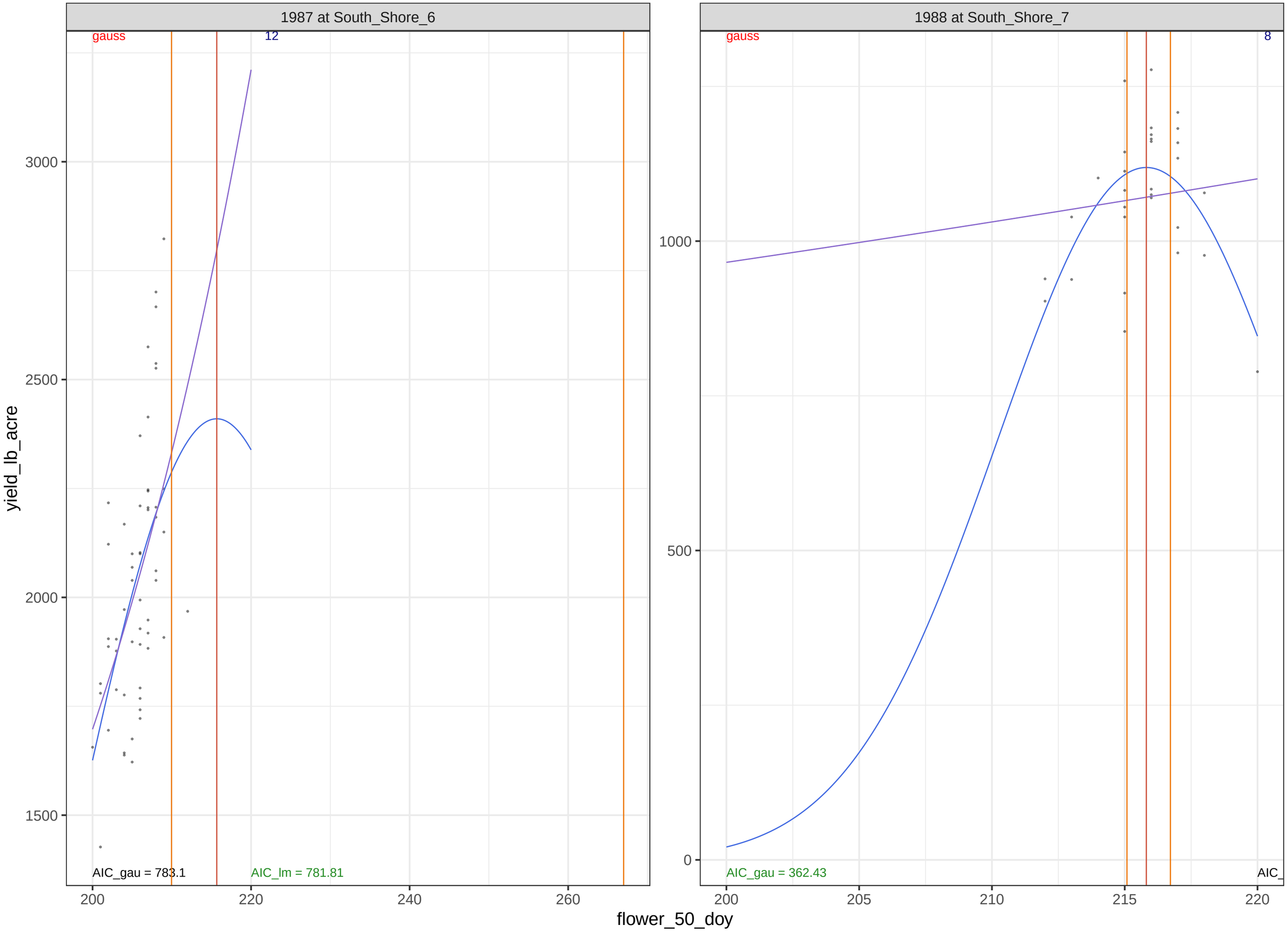

1978 at Langdon_REC
exclude 12
1979 at Langdon_REC
gauss 9
1980 at Langdon_REC
exclude 9
1982 at Langdon_REC
gauss 7
1983 at Langdon_REC
gauss 10
1984 at Langdon_REC
gauss 10
1985 at Langdon_REC
gauss 8
1986 at Langdon_REC
exclude 7
1988 at Langdon_REC
exclude 8
1989 at Langdon_REC
gauss 8
1991 at Langdon_REC
gauss 8
1992 at Langdon_REC
gauss 11
1994 at Langdon_REC
gauss 17
1996 at Langdon_REC
gauss 13
1997 at Langdon_REC
gauss 14
1998 at Langdon_REC
gauss 11
1999 at Langdon_REC
gauss 12
2000 at Langdon_REC
gauss 9
2001 at Langdon_REC
gauss 11
2002 at Langdon_REC
gauss 9
2003 at Langdon_REC
gauss 13
2005 at Langdon_REC
gauss 12
2006 at Langdon_REC
gauss 9
2007 at Langdon_REC
gauss 10
2008 at Langdon_REC
gauss 14
2009 at Langdon_REC
gauss 10
2011 at Langdon_REC
exclude 10
2012 at Langdon_REC
gauss 7
2013 at Langdon_REC
gauss 9
2014 at Langdon_REC
linear 9
2015 at Langdon_REC
exclude 7
2016 at Langdon_REC
exclude 13
2017 at Langdon_REC
gauss 16
2018 at Langdon_REC
gauss 13
2020 at Langdon_REC
gauss 16
2022 at Langdon_REC
gauss 13
yield_lb_acre
flower_50_doy

Cheyenne_HPAL

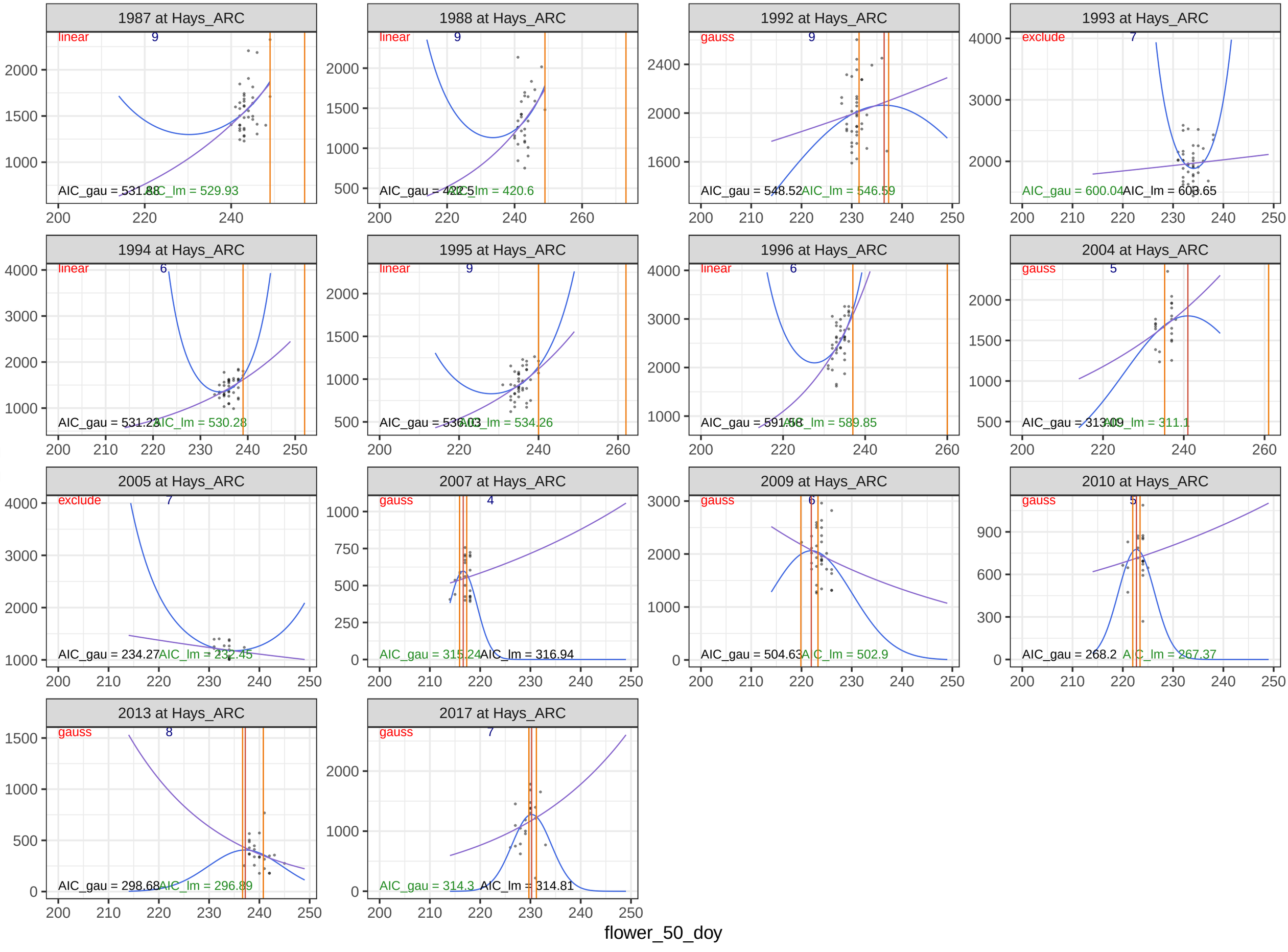
Glyndon_USDAMoorhead_USDA



South_Shore_6South_Shore_7



Hays_ARC


1987 at Hays_ARC
linear 9
AIC_gau = 531.88 AIC_lm = 529.93
1988 at Hays_ARC
linear 9
AIC_gau = 422.5 AIC_lm = 420.6
1992 at Hays_ARC
gauss 9
AIC_gau = 548.52 AIC_lm = 546.59
1993 at Hays_ARC
exclude 7
AIC_gau = 600.04 AIC_lm = 603.65
1994 at Hays_ARC
linear 6
AIC_gau = 531.28 AIC_lm = 530.28
1995 at Hays_ARC
linear 9
AIC_gau = 536.03 AIC_lm = 534.26
1996 at Hays_ARC
linear 6
AIC_gau = 591.58 AIC_lm = 589.85
2004 at Hays_ARC
gauss 5
AIC_gau = 313.09 AIC_lm = 311.1
2005 at Hays_ARC
exclude 7
AIC_gau = 234.27 AIC_lm = 232.45
2007 at Hays_ARC
gauss 4
AIC_gau = 315.24 AIC_lm = 316.94
2009 at Hays_ARC
gauss 6
AIC_gau = 504.63 AIC_lm = 502.9
2010 at Hays_ARC
gauss 5
AIC_gau = 268.2 AIC_lm = 267.37
2013 at Hays_ARC
gauss 8
AIC_gau = 298.68 AIC_lm = 296.89
2017 at Hays_ARC
gauss 7
AIC_gau = 314.3 AIC_lm = 314.81
yield_lb_acre
flower_50_doy

Bardwell_BeakleyBardwell_1Bardwell_2

2010 at Bardwell_Beakley

exclude 4

AIC_gau = 177.75 AIC_

2011 at Bardwell_Beakley

gauss 13

AIC_gau = 133.56 AIC_

2012 at Bardwell_1

gauss 7

AIC_gau = 238.8 AIC_

2013 at Bardwell_2

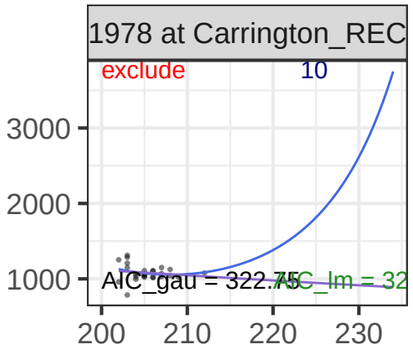
gauss 7

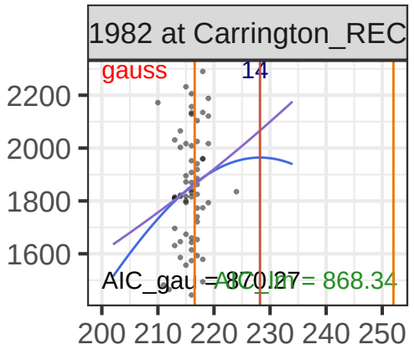
AIC_gau = 226.6 AIC_

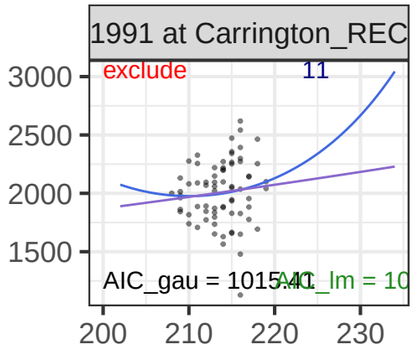
yield_lb_acre

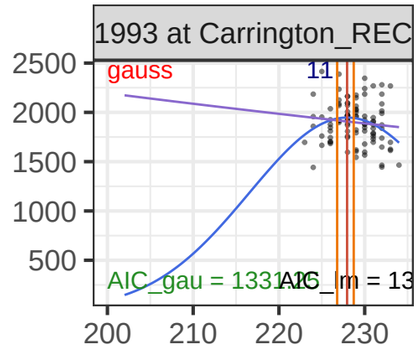
flower_50_doy

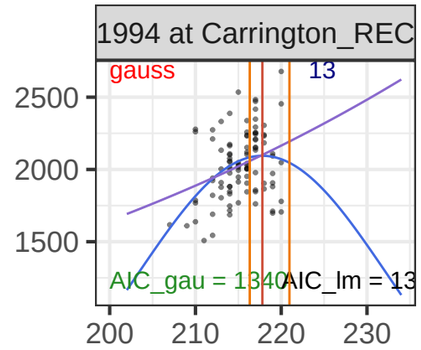
Carrington_REC

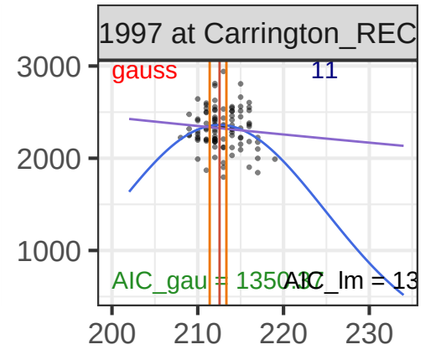


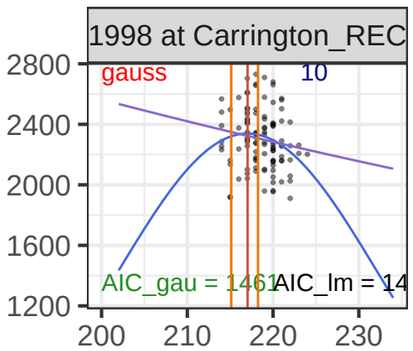


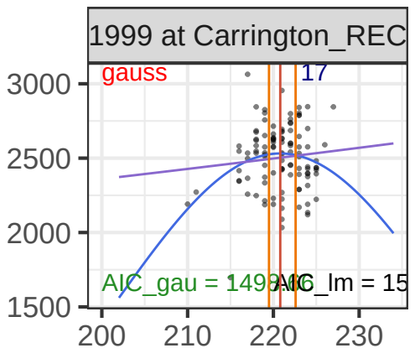


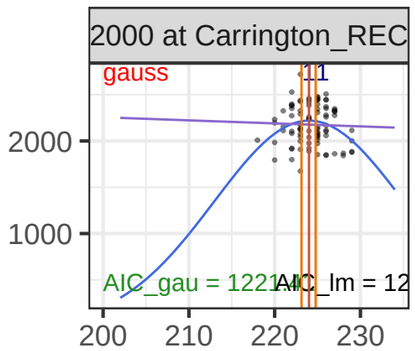


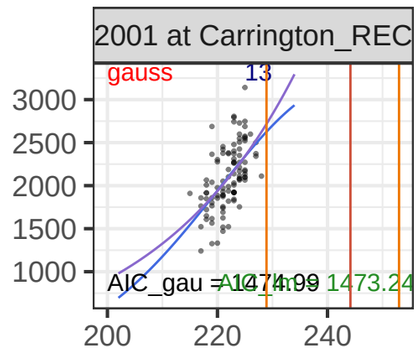


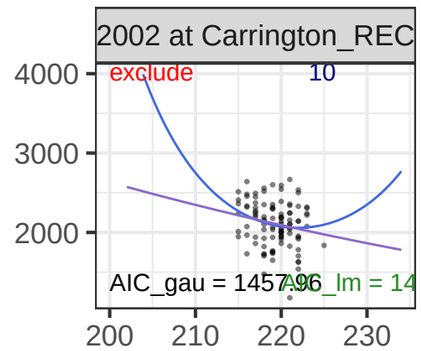


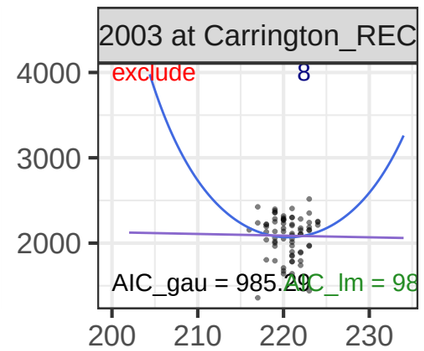


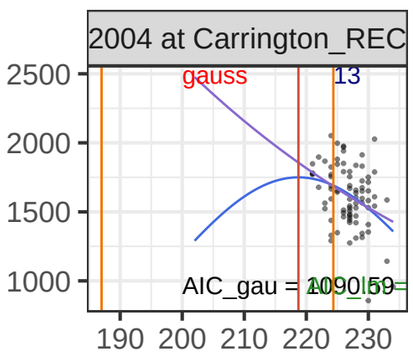


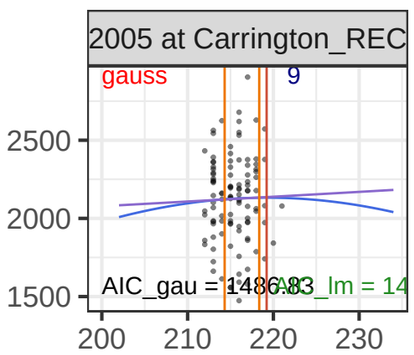


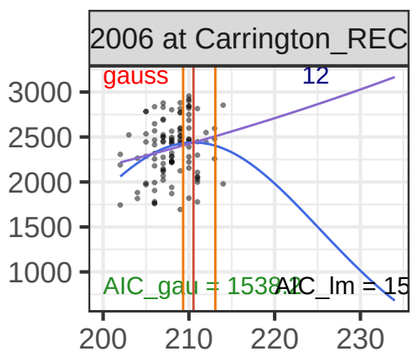


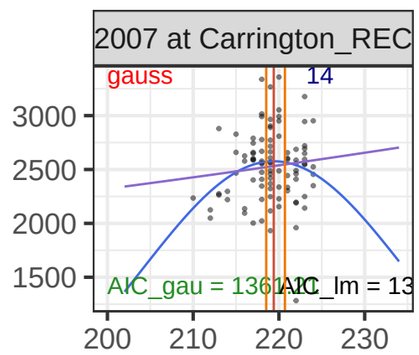


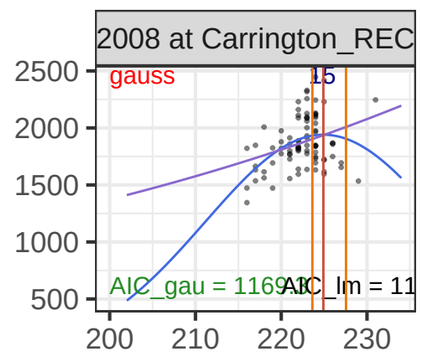


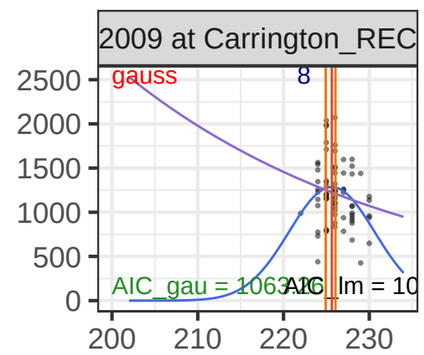


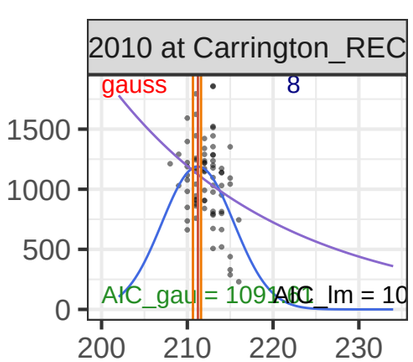


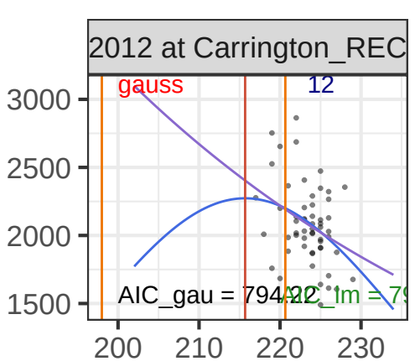


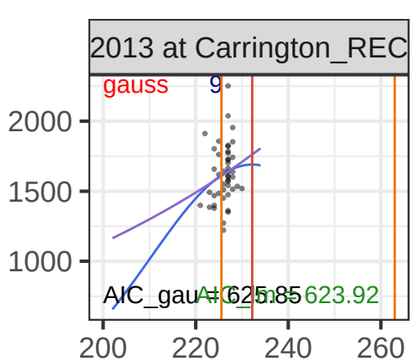


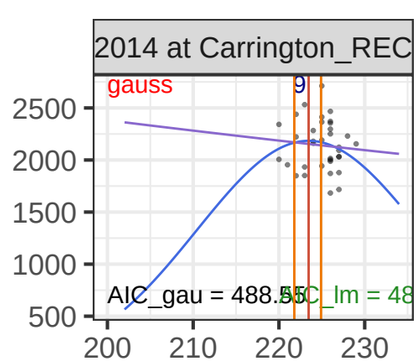


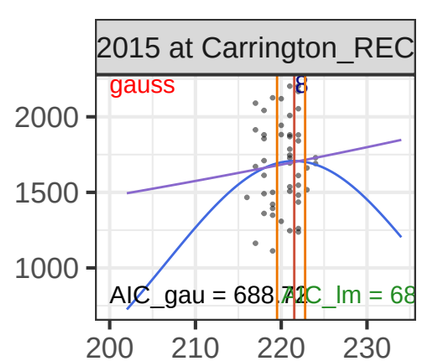


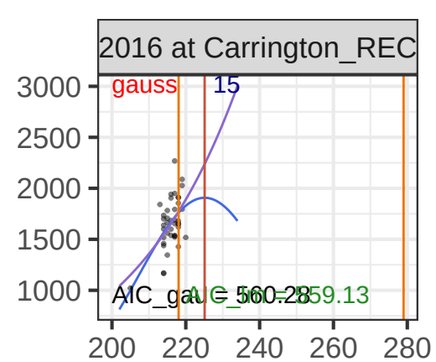


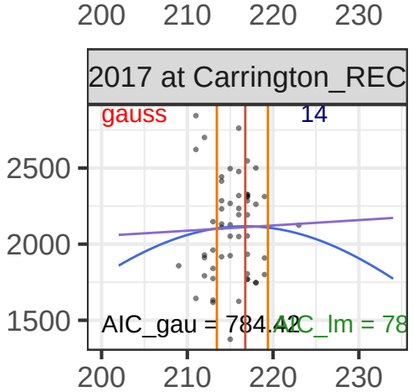


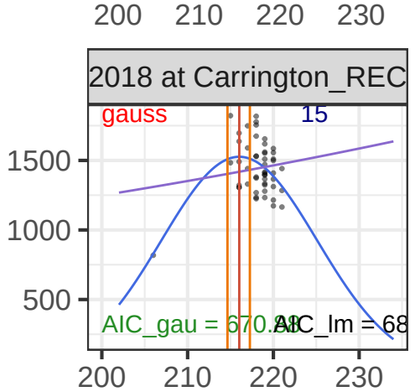


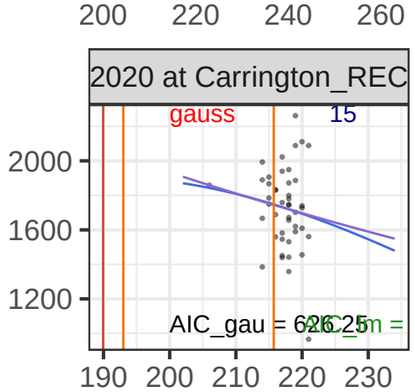


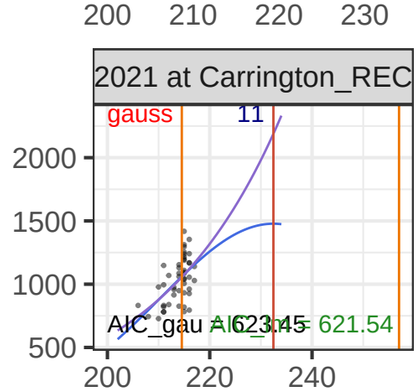


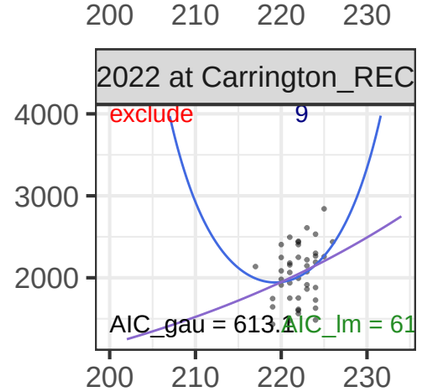


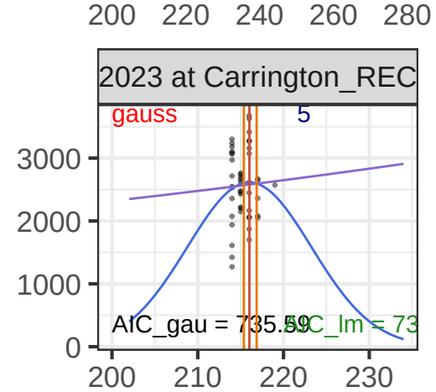










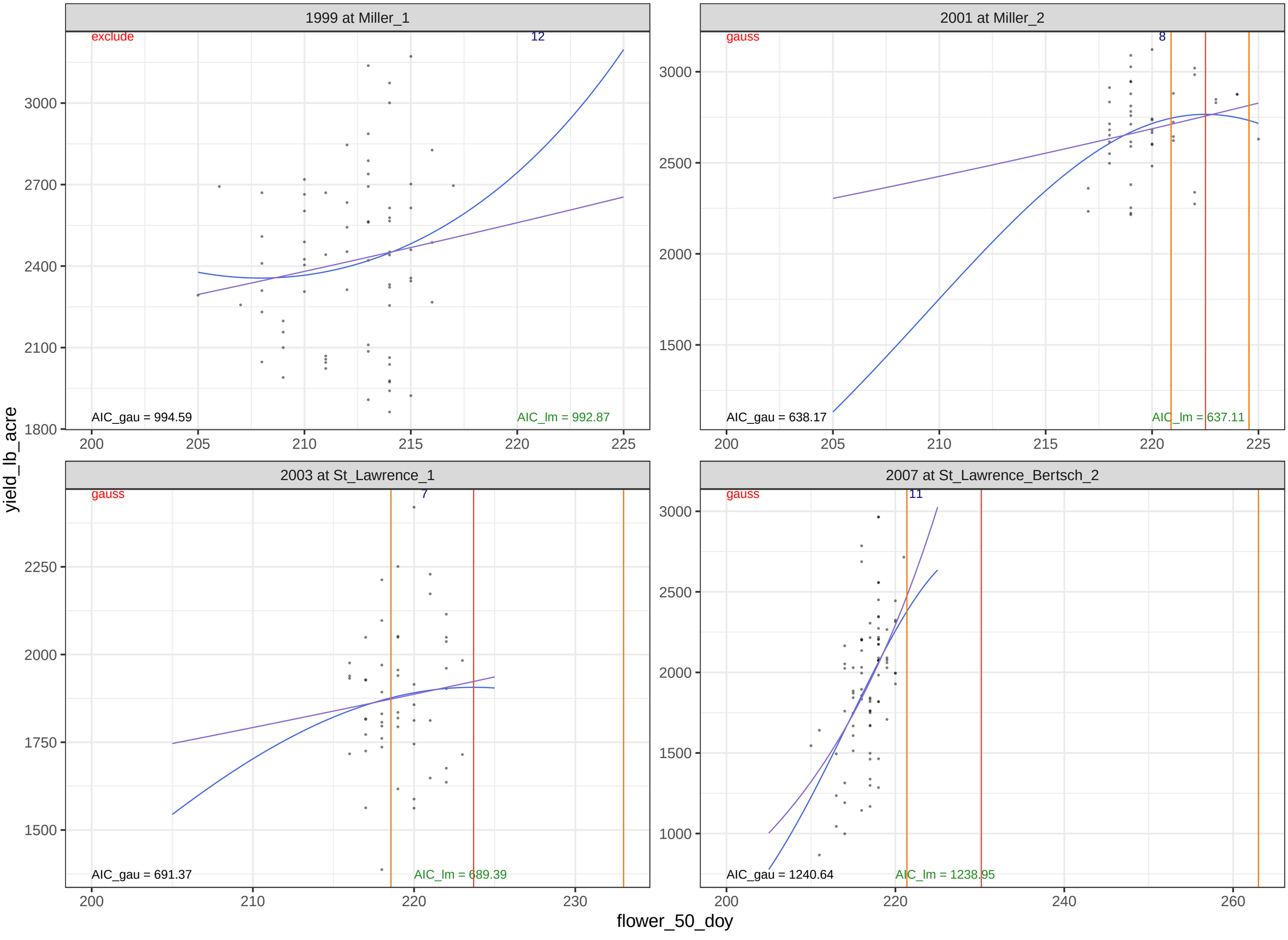


yield_lb_acre

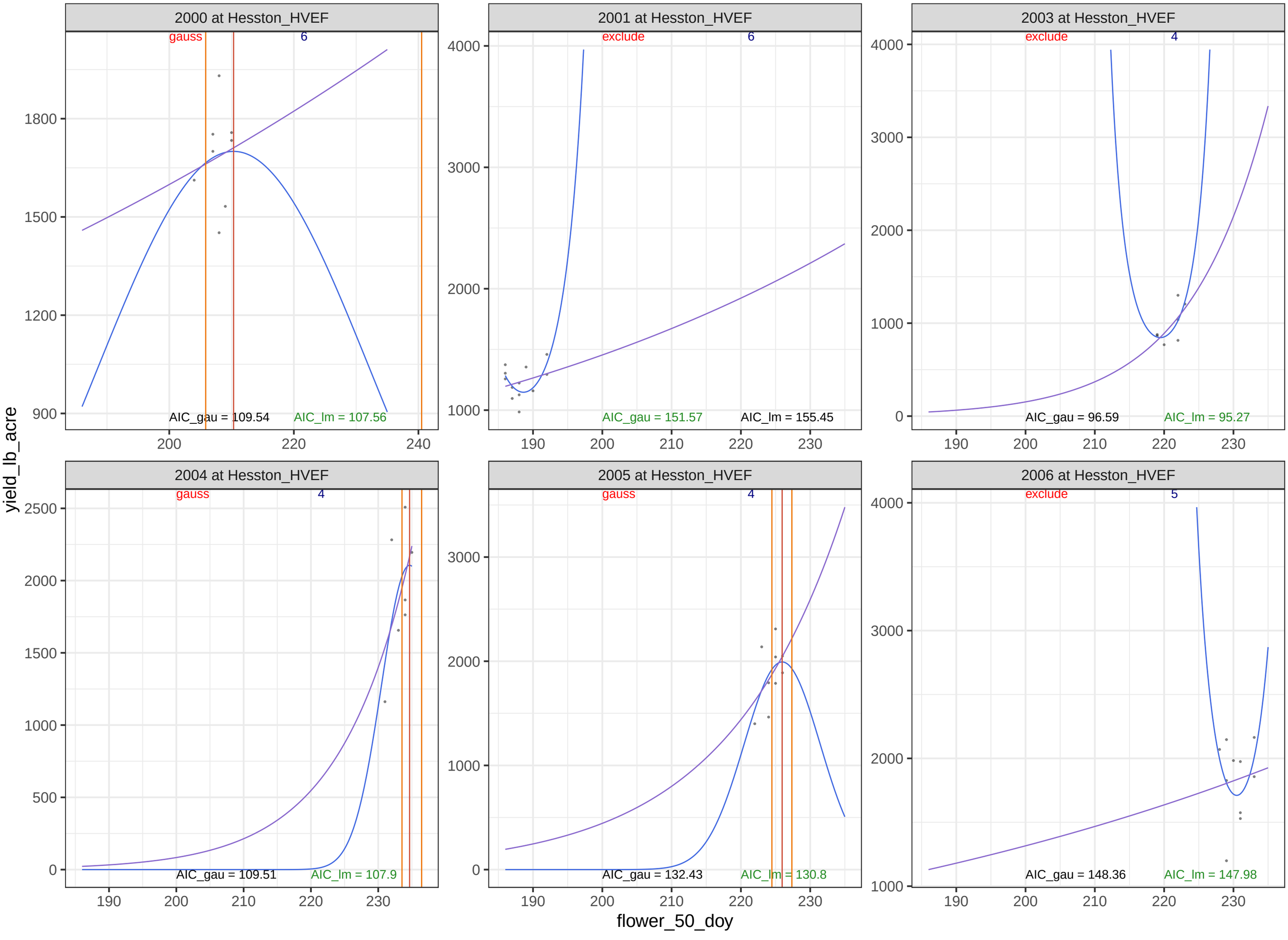
flower_50_doy

Tribune_SRECGreeley_Val_Reiss

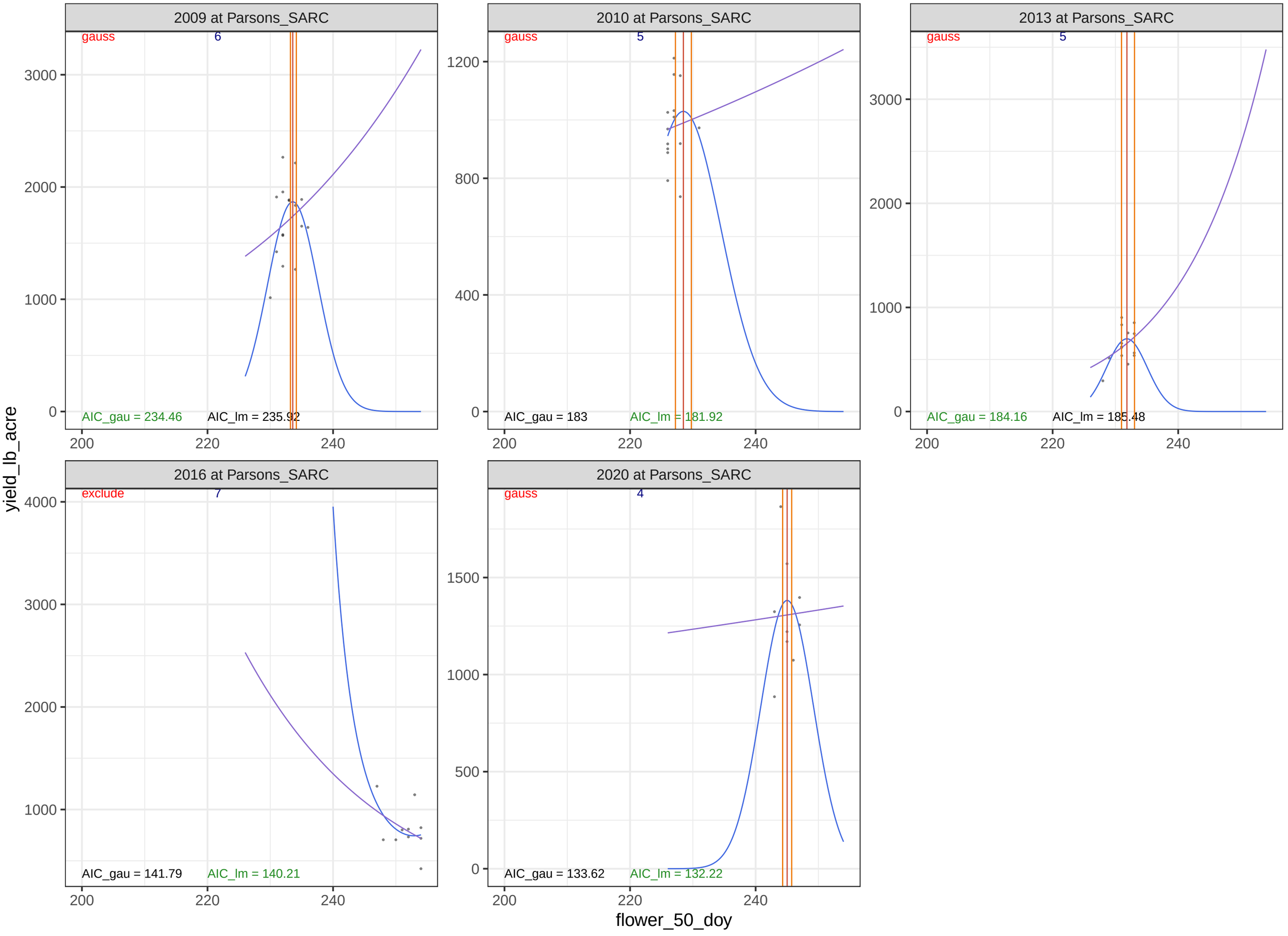
Miller_1Miller_2St_Lawrence_1St_Lawrence_Bertsch_2



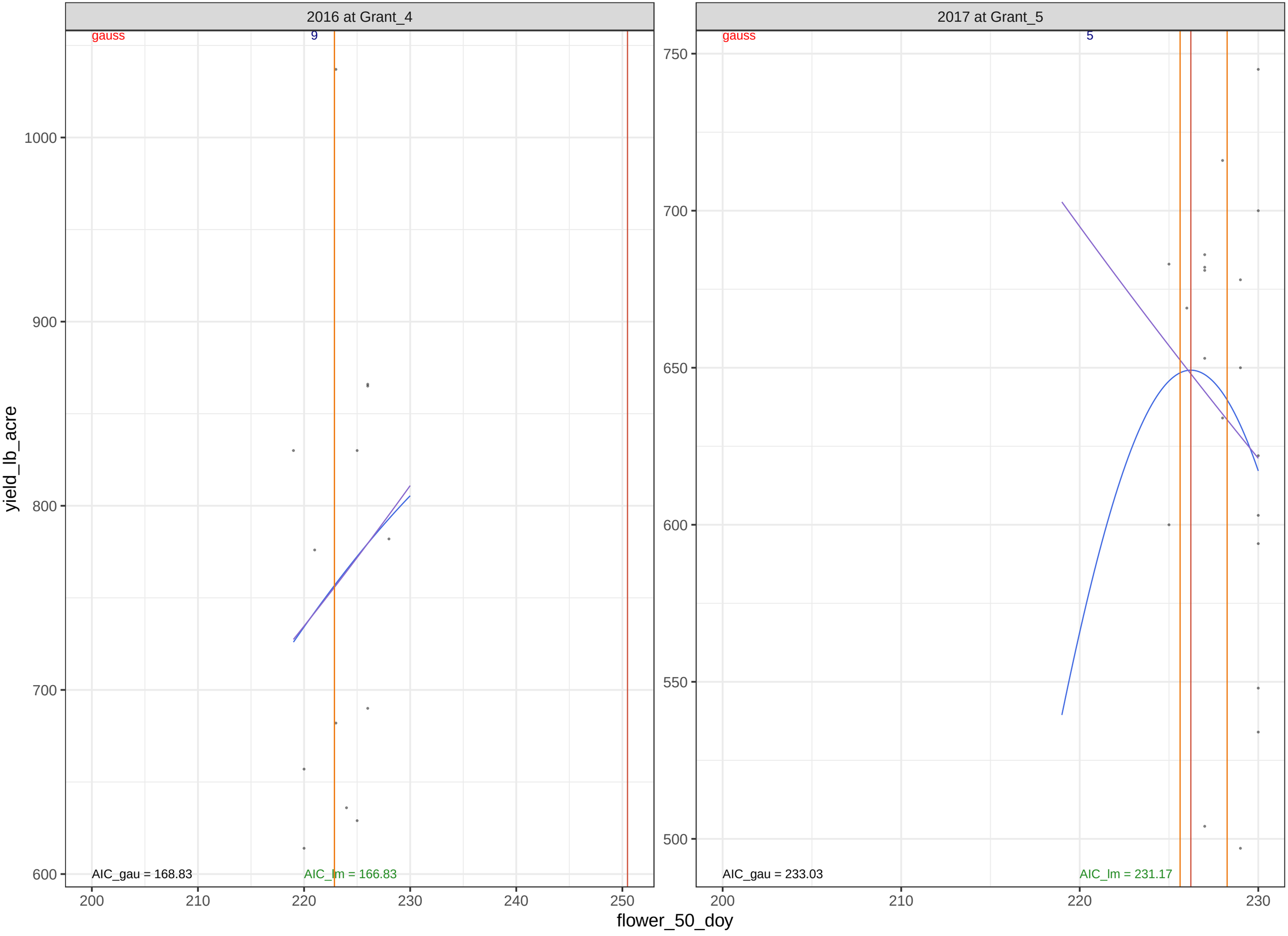
Hesston_HVEF



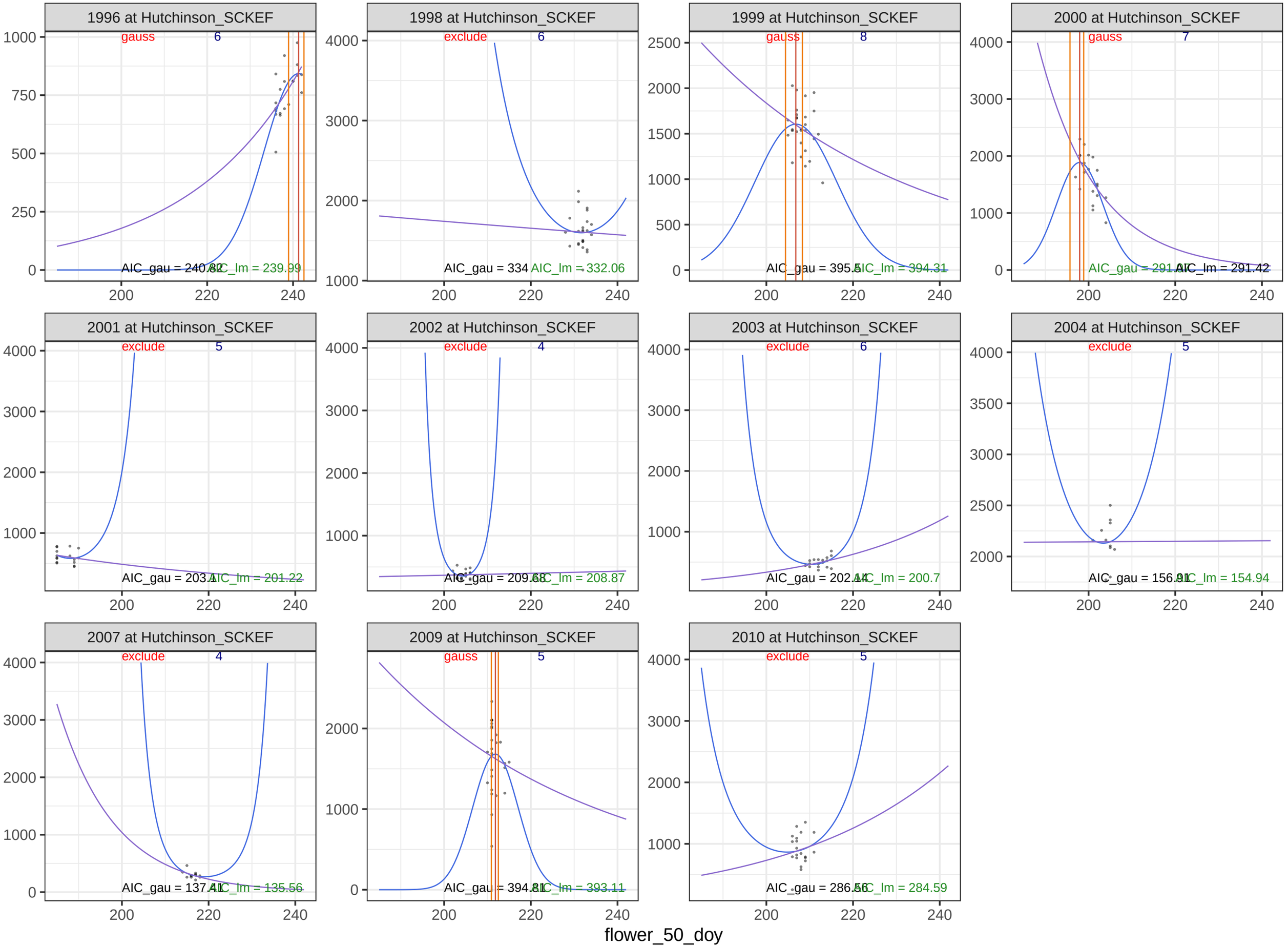
Parsons_SARC



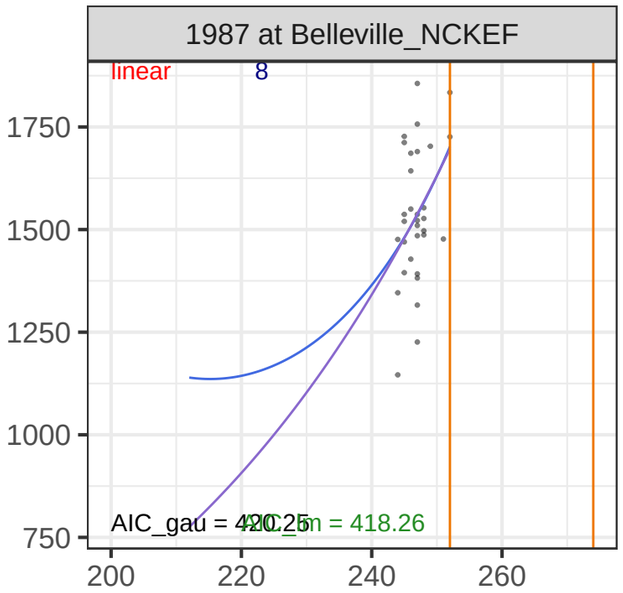
Grant_4Grant_5

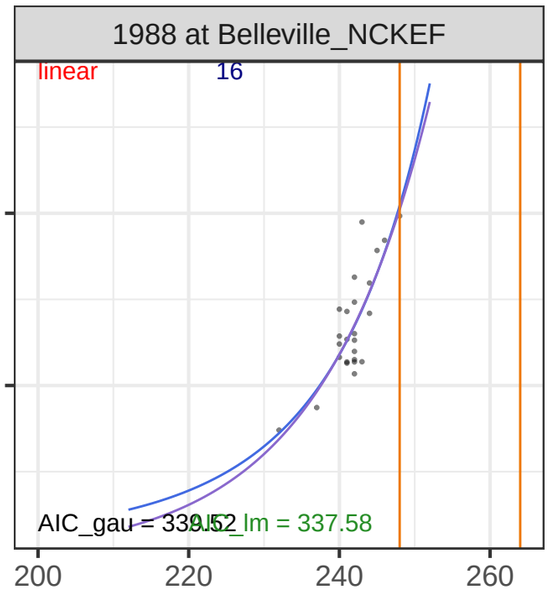


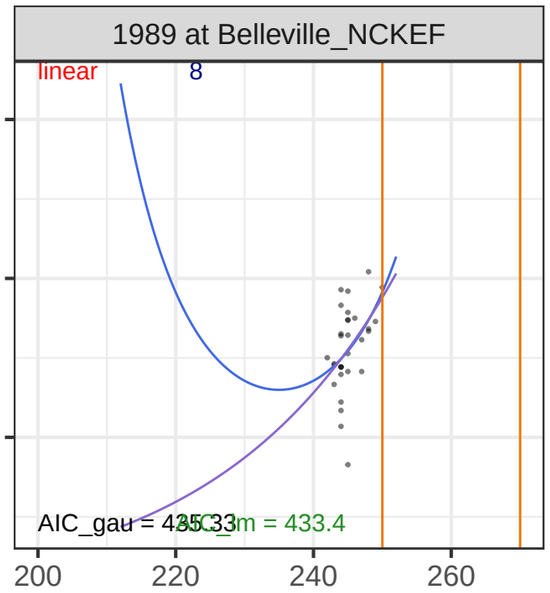
Hutchinson_SCKEF

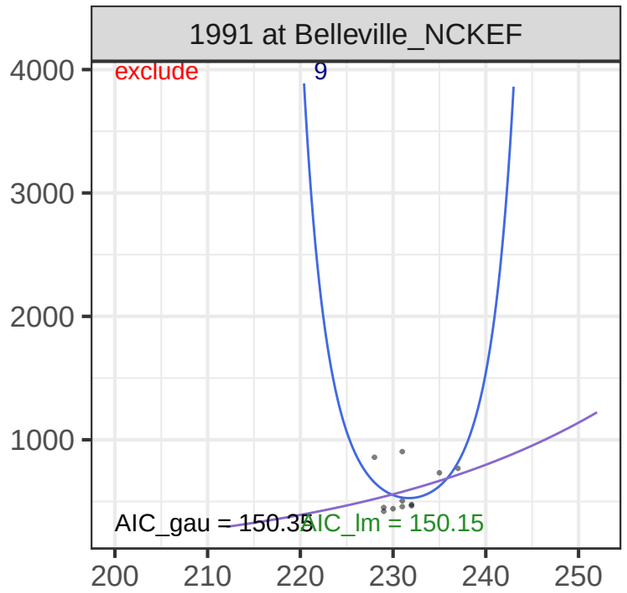


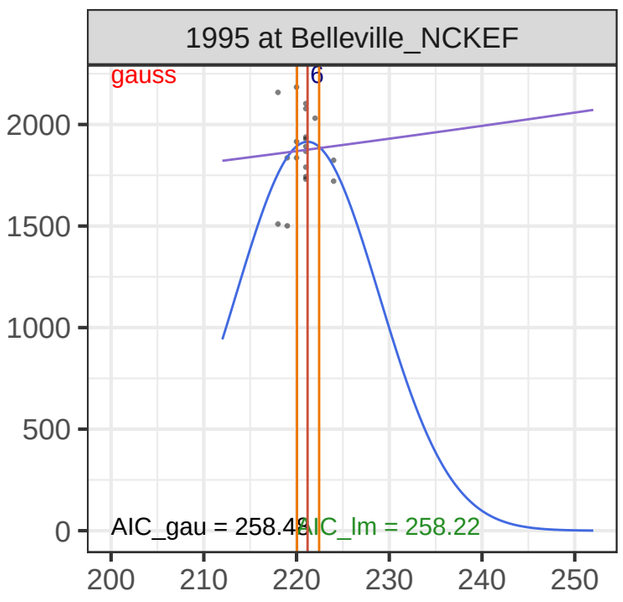
Belleville_NCKEF

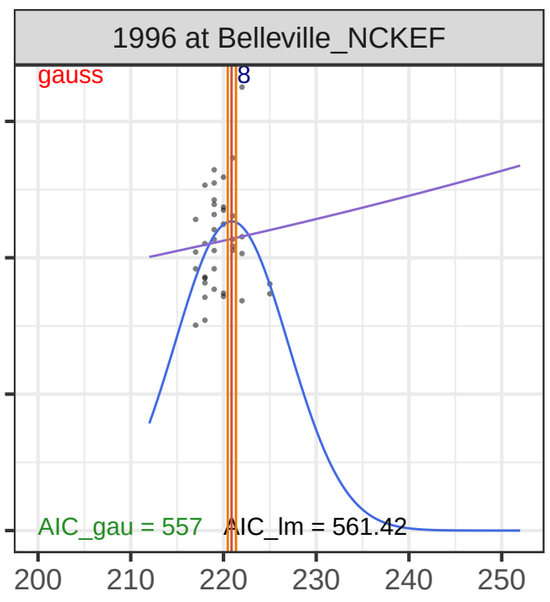


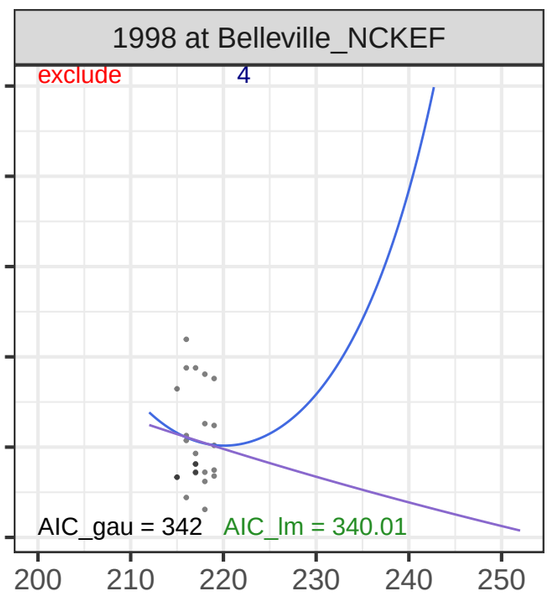


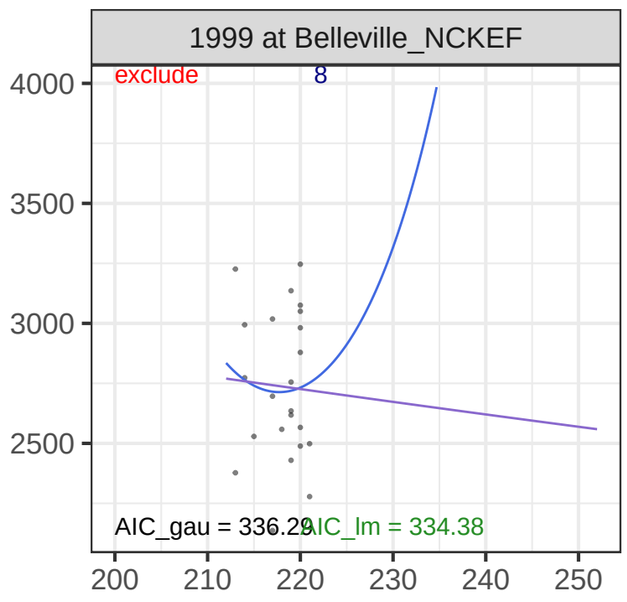


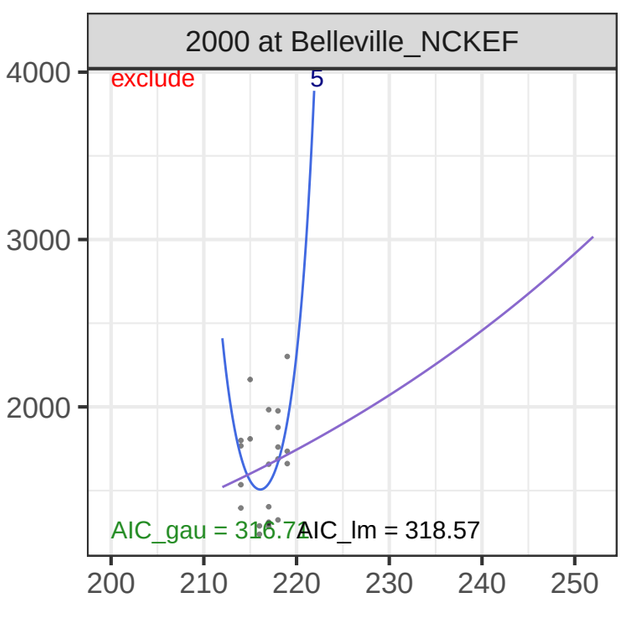


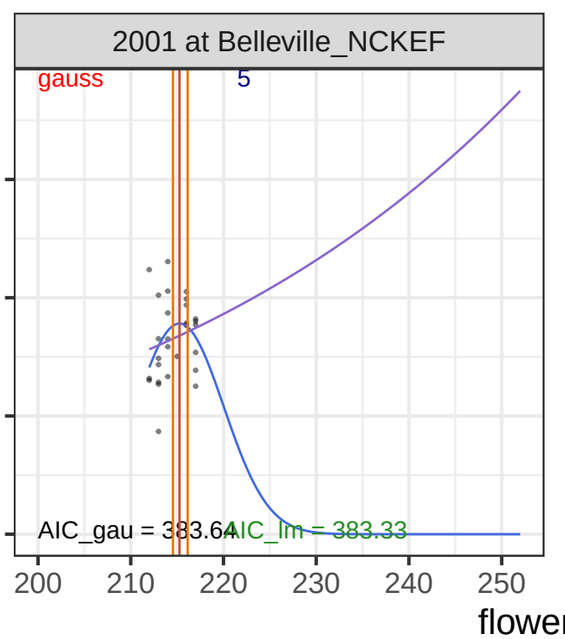








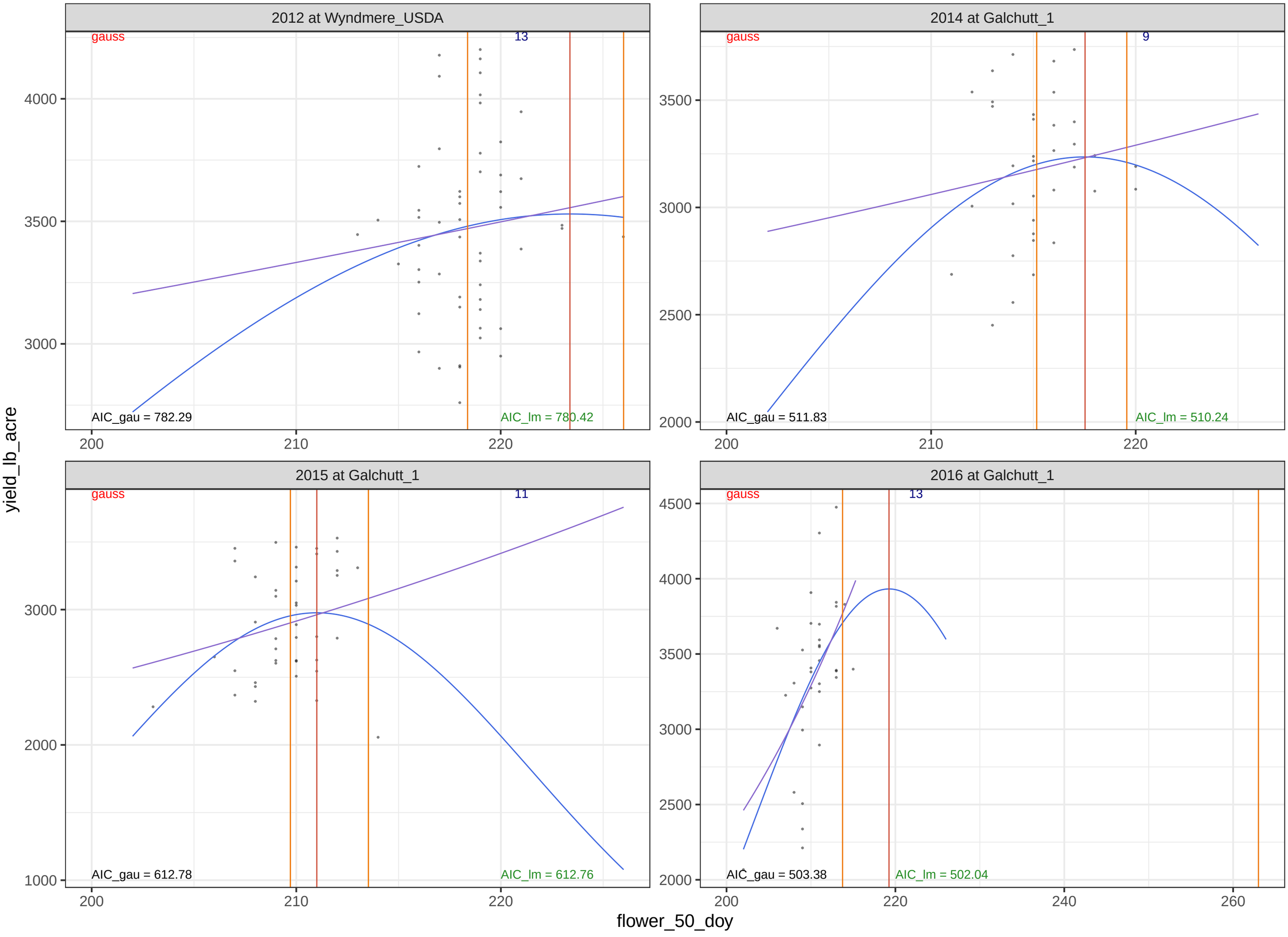




yield_lb_acre

flower_50_doy

Wyndmere_USDAGalchutt_1



Goodland_NorthernSun

2001 at Goodland_NorthernSun

2003 at Goodland_NorthernSun

2005 at Goodland_NorthernSun

gauss 5

gauss 5

gauss 7

yield_lb_acre

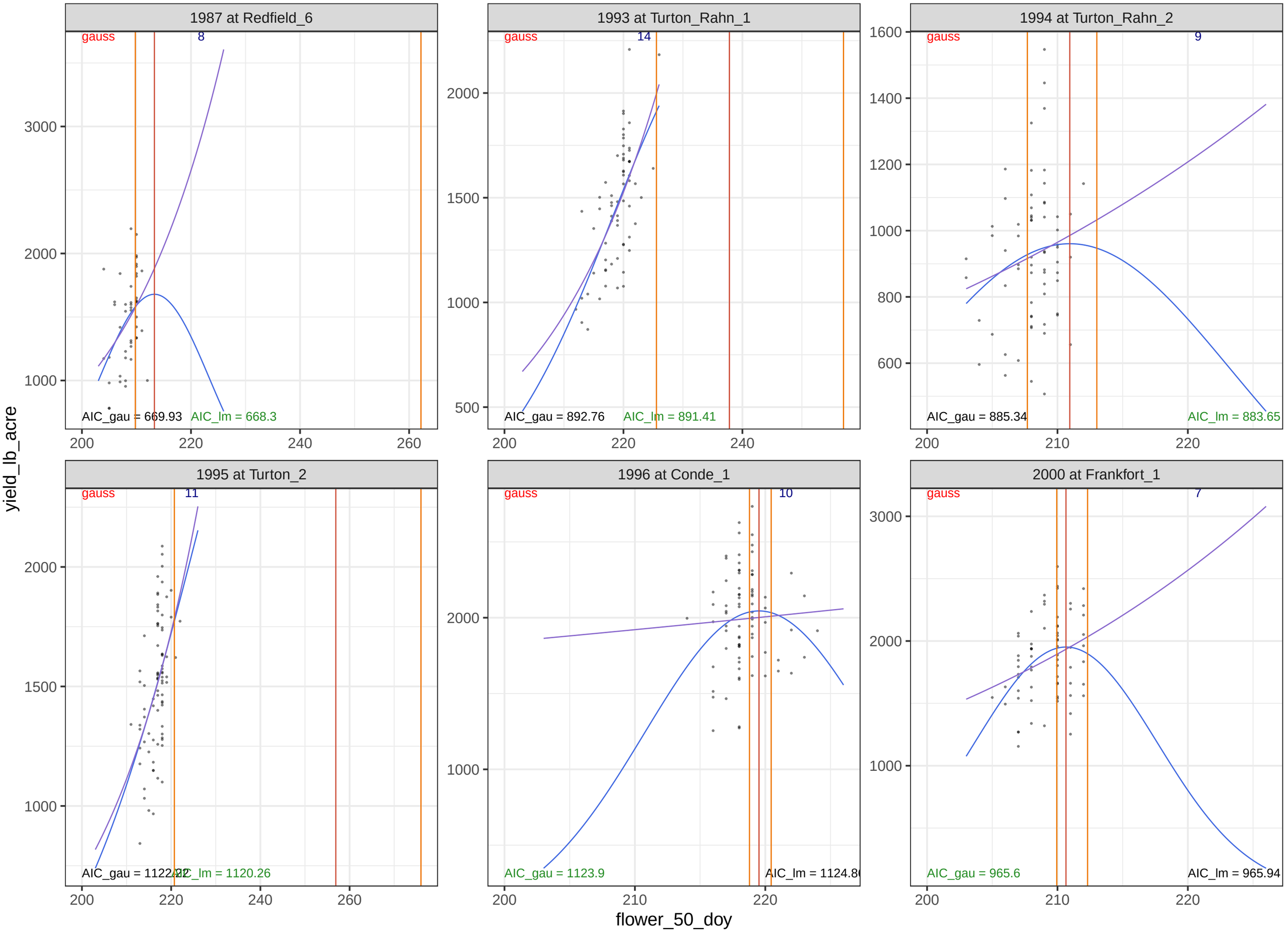
flower_50_doy

AIC_gau = 378.24 AIC_lm = 376.47

AIC_gau = 248.84 AIC_lm = 251.59

AIC_gau = 213.3 AIC_lm = 211.62

Redfield_6Turton_Rahn_1Turton_Rahn_2Turton_2Conde_1Frankfort_1



Onida_7Onida_10Onida_11Onida_13Onida_3Onida_18Onida_4Onida_Huse_1Onida_Huse_2Onida_12Onida_6

1992 at Onida_3
exclude 11
AIC_gau = 467.66 AIC_lm = 466.29

2001 at Onida_18
gauss 7
AIC_gau = 679.64 AIC_lm = 680.72

2003 at Onida_4
exclude 9
AIC_gau = 726.11 AIC_lm = 724.3

2004 at Onida_Huse_1
exclude 11
AIC_gau = 859.36 AIC_lm = 862.22

2005 at Onida_Huse_2
gauss 9
AIC_gau = 1069.44 AIC_lm = 1067.52

2008 at Onida_6
gauss 10
AIC_gau = 859.15 AIC_lm = 860.06

2009 at Onida_7
gauss 10
AIC_gau = 729.63 AIC_lm = 734.74

2012 at Onida_10
gauss 9
AIC_gau = 830.97 AIC_lm = 829.07

2013 at Onida_11
gauss 8
AIC_gau = 744.02 AIC_lm = 742.41

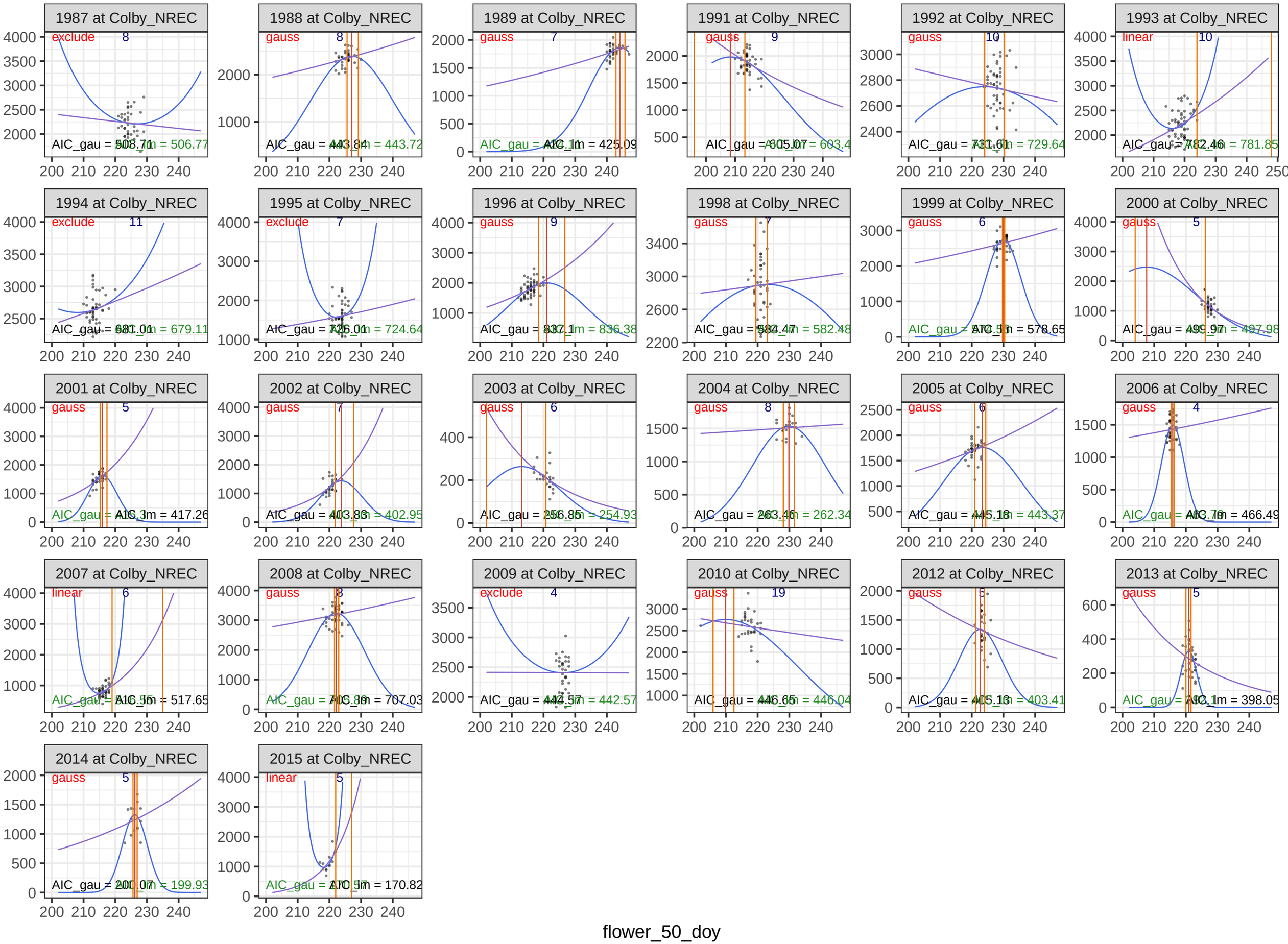
2014 at Onida_12
gauss 10
AIC_gau = 752.61 AIC_lm = 751.11

2015 at Onida_13
gauss 30
AIC_gau = 677.69 AIC_lm = 677.46

yield_lb_acre

flower_50_doy

Colby_NREC


1987 at Colby_NREC
exclude 8
AIC_gau = 508.71 AIC_lm = 506.77
1988 at Colby_NREC
gauss 8
AIC_gau = 443.84 AIC_lm = 443.72
1989 at Colby_NREC
gauss 7
AIC_gau = 427.11 AIC_lm = 425.09
1991 at Colby_NREC
gauss 9
AIC_gau = 605.07 AIC_lm = 603.4
1992 at Colby_NREC
gauss 10
AIC_gau = 731.61 AIC_lm = 729.64
1993 at Colby_NREC
linear 10
AIC_gau = 782.46 AIC_lm = 781.85
1994 at Colby_NREC
exclude 11
AIC_gau = 681.01 AIC_lm = 679.11
1995 at Colby_NREC
exclude 7
AIC_gau = 726.01 AIC_lm = 724.64
1996 at Colby_NREC
gauss 9
AIC_gau = 837.1 AIC_lm = 836.38
1998 at Colby_NREC
gauss 7
AIC_gau = 584.47 AIC_lm = 582.48
1999 at Colby_NREC
gauss 6
AIC_gau = 581.56 AIC_lm = 578.65
2000 at Colby_NREC
gauss 5
AIC_gau = 499.97 AIC_lm = 497.98
2001 at Colby_NREC
gauss 5
AIC_gau = 419.3 AIC_lm = 417.26
2002 at Colby_NREC
gauss 7
AIC_gau = 403.88 AIC_lm = 402.95
2003 at Colby_NREC
gauss 6
AIC_gau = 256.85 AIC_lm = 254.93
2004 at Colby_NREC
gauss 8
AIC_gau = 263.46 AIC_lm = 262.34
2005 at Colby_NREC
gauss 6
AIC_gau = 445.18 AIC_lm = 443.37
2006 at Colby_NREC
gauss 4
AIC_gau = 468.76 AIC_lm = 466.49
2007 at Colby_NREC
linear 6
AIC_gau = 519.56 AIC_lm = 517.65
2008 at Colby_NREC
gauss 8
AIC_gau = 709.86 AIC_lm = 707.03
2009 at Colby_NREC
exclude 4
AIC_gau = 442.57 AIC_lm = 442.57
2010 at Colby_NREC
gauss 19
AIC_gau = 446.65 AIC_lm = 446.04
2012 at Colby_NREC
gauss 5
AIC_gau = 405.13 AIC_lm = 403.41
2013 at Colby_NREC
gauss 5
AIC_gau = 400.1 AIC_lm = 398.05
2014 at Colby_NREC
gauss 5
AIC_gau = 200.07 AIC_lm = 199.93
2015 at Colby_NREC
linear 5
AIC_gau = 172.57 AIC_lm = 170.82
yield_lb_acre
flower_50_doy

Selby_6Selby_8

2001 at Selby_6

linear

6

2003 at Selby_8

gauss

9

yield_lb_acre

4000

3500

3000

2500

2500

2000

1500

1000

AIC_gau = 678.85

AIC_lm = 679.46

AIC_gau = 758.89

AIC_lm = 759.24

200

220

240

200

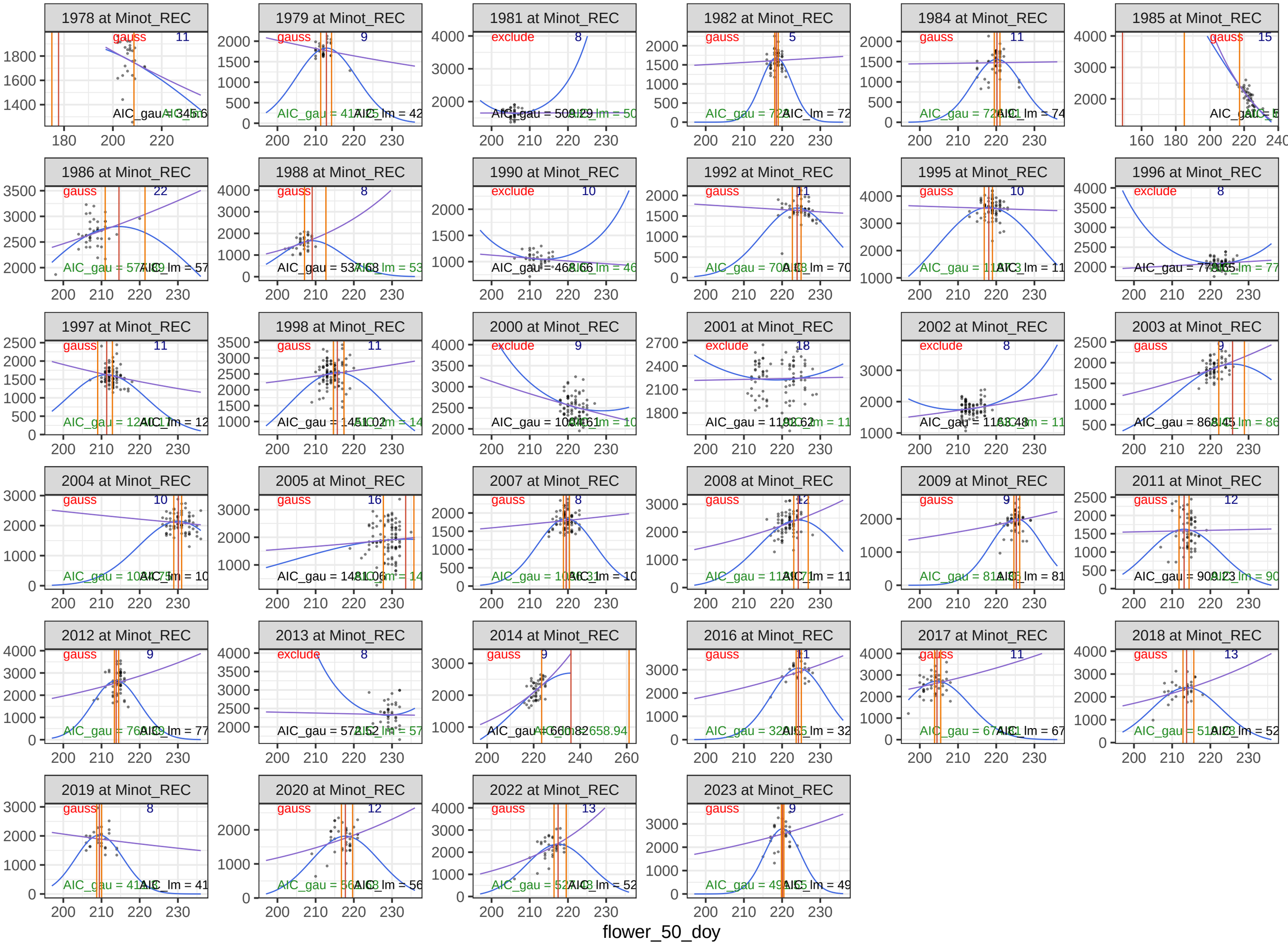
210

220

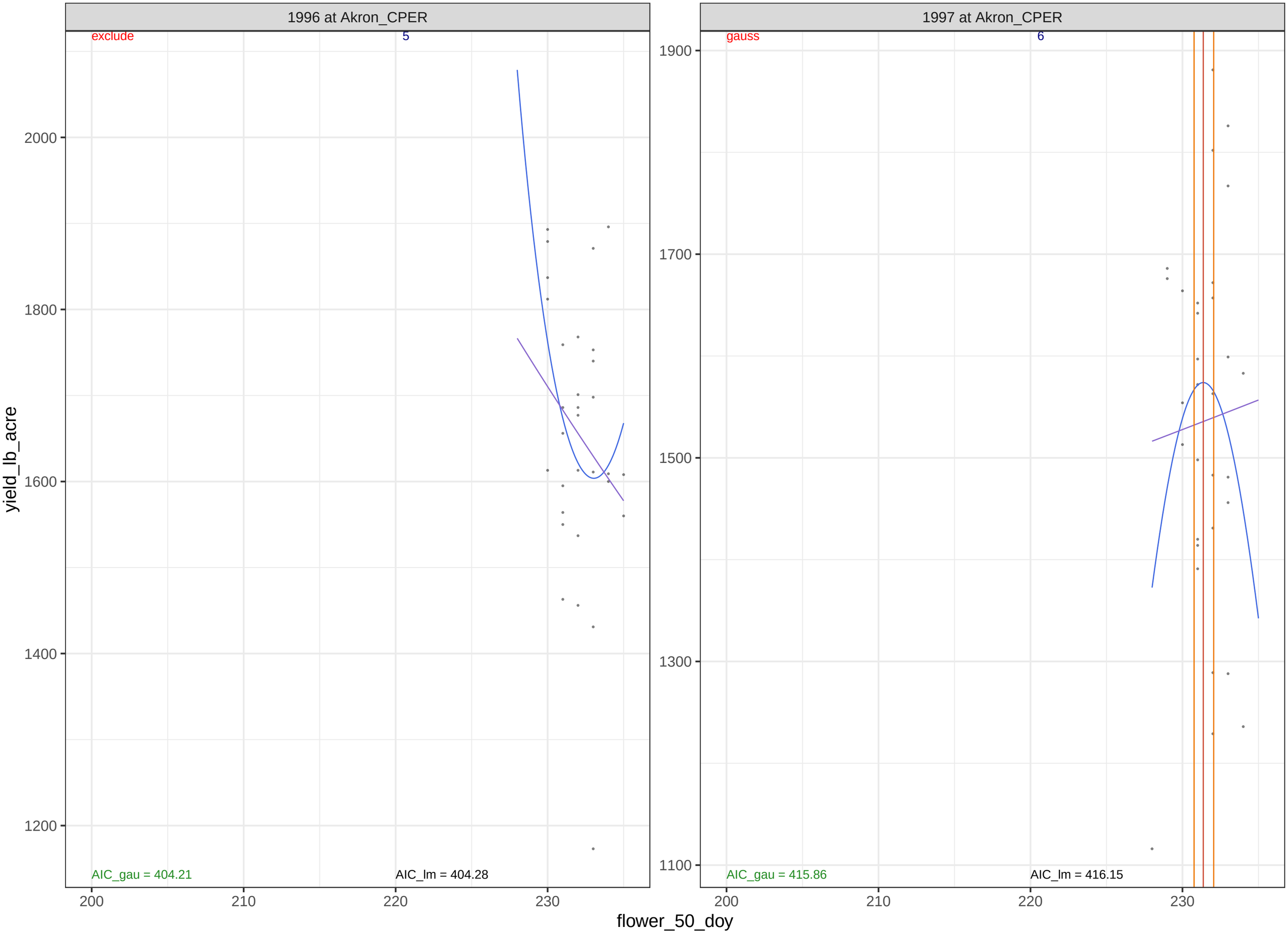
230

flower_50_doy

Minot_REC


1978 at Minot_REC
gauss 11
AIC_gau = 345
AIC_lm = 6
1979 at Minot_REC
gauss 9
AIC_gau = 41
AIC_lm = 42
1981 at Minot_REC
exclude 8
AIC_gau = 509
AIC_lm = 50
1982 at Minot_REC
gauss 5
AIC_gau = 72
AIC_lm = 72
1984 at Minot_REC
gauss 11
AIC_gau = 72
AIC_lm = 74
1985 at Minot_REC
gauss 15
AIC_gau = 5
1986 at Minot_REC
gauss 22
AIC_gau = 57
AIC_lm = 57
1988 at Minot_REC
gauss 8
AIC_gau = 537
AIC_lm = 53
1990 at Minot_REC
exclude 10
AIC_gau = 468
AIC_lm = 46
1992 at Minot_REC
gauss 11
AIC_gau = 70
AIC_lm = 70
1995 at Minot_REC
gauss 10
AIC_gau = 11
AIC_lm = 11
1996 at Minot_REC
exclude 8
AIC_gau = 77
AIC_lm = 77
1997 at Minot_REC
gauss 11
AIC_gau = 12
AIC_lm = 12
1998 at Minot_REC
gauss 11
AIC_gau = 145
AIC_lm = 14
2000 at Minot_REC
exclude 9
AIC_gau = 10
AIC_lm = 10
2001 at Minot_REC
exclude 18
AIC_gau = 119
AIC_lm = 11
2002 at Minot_REC
exclude 8
AIC_gau = 116
AIC_lm = 11
2003 at Minot_REC
gauss 9
AIC_gau = 868
AIC_lm = 86
2004 at Minot_REC
gauss 10
AIC_gau = 10
AIC_lm = 10
2005 at Minot_REC
gauss 16
AIC_gau = 148
AIC_lm = 14
2007 at Minot_REC
gauss 8
AIC_gau = 10
AIC_lm = 10
2008 at Minot_REC
gauss 12
AIC_gau = 11
AIC_lm = 11
2009 at Minot_REC
gauss 9
AIC_gau = 81
AIC_lm = 81
2011 at Minot_REC
gauss 12
AIC_gau = 909
AIC_lm = 90
2012 at Minot_REC
gauss 9
AIC_gau = 76
AIC_lm = 77
2013 at Minot_REC
exclude 8
AIC_gau = 572
AIC_lm = 57
2014 at Minot_REC
gauss 9
AIC_gau = 660.82
AIC_lm = 658.94
2016 at Minot_REC
gauss 11
AIC_gau = 32
AIC_lm = 32
2017 at Minot_REC
gauss 11
AIC_gau = 67
AIC_lm = 67
2018 at Minot_REC
gauss 13
AIC_gau = 51
AIC_lm = 52
2019 at Minot_REC
gauss 8
AIC_gau = 41
AIC_lm = 41
2020 at Minot_REC
gauss 12
AIC_gau = 56
AIC_lm = 56
2022 at Minot_REC
gauss 13
AIC_gau = 52
AIC_lm = 52
2023 at Minot_REC
gauss 9
AIC_gau = 49
AIC_lm = 49
yield_lb_acre
flower_50_doy

Akron_CPER


1996 at Akron_CPER
exclude
5
1997 at Akron_CPER
gauss
6
yield_lb_acre
2000
1800
1600
1400
1200
1900
1700
1500
1300
1100
AIC_gau = 404.21
AIC_lm = 404.28
AIC_gau = 415.86
AIC_lm = 416.15
200
210
220
230
flower_50_doy

Williston_REC