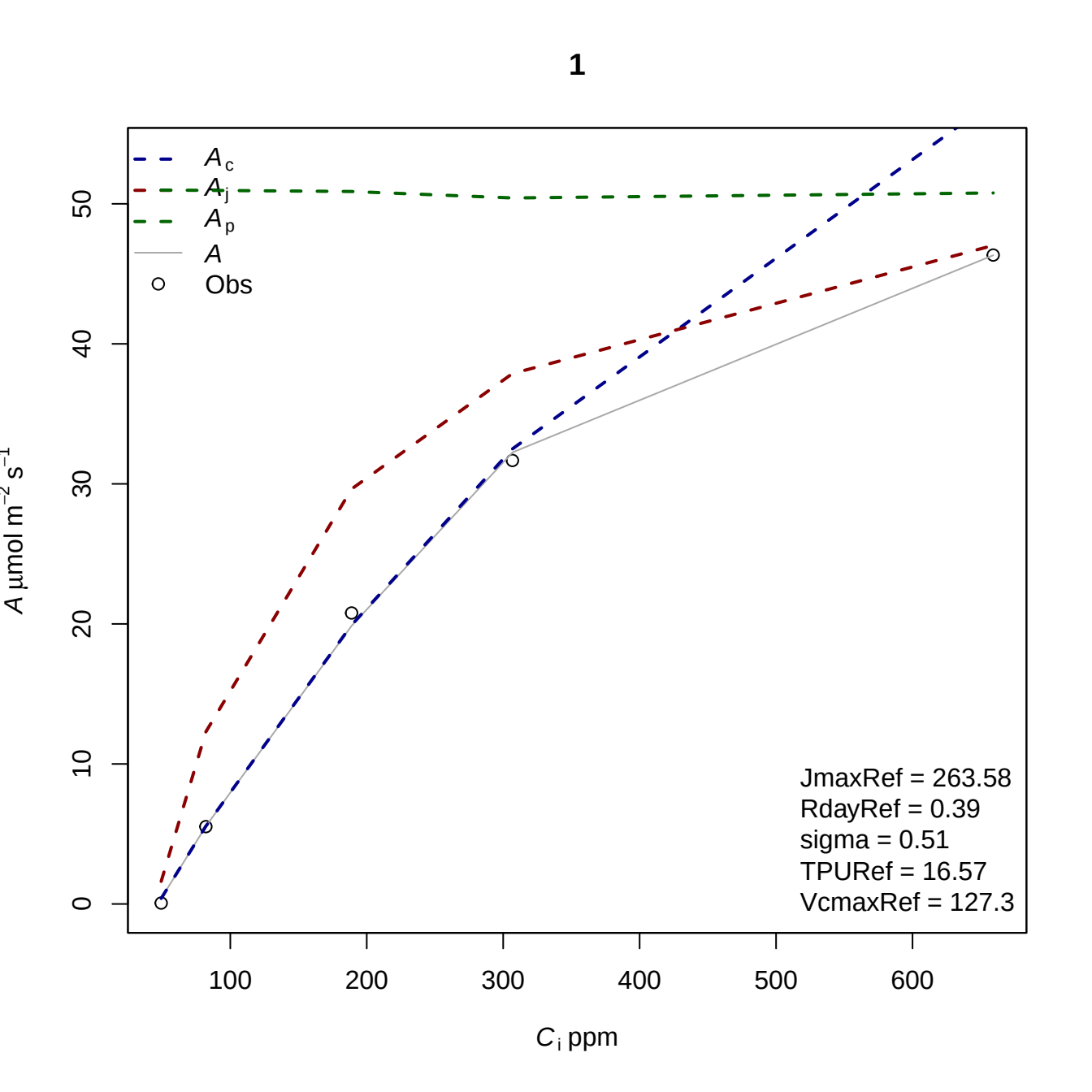
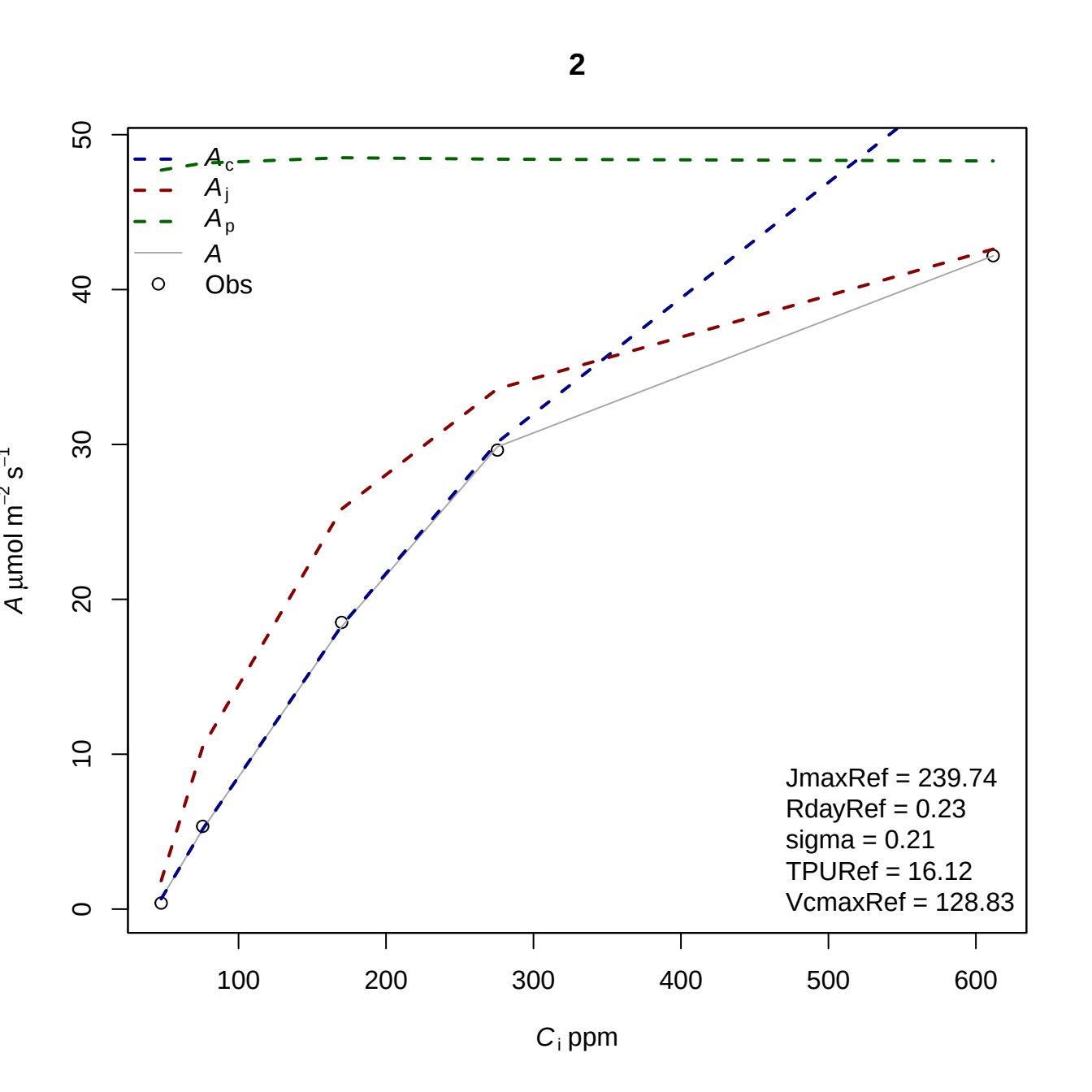
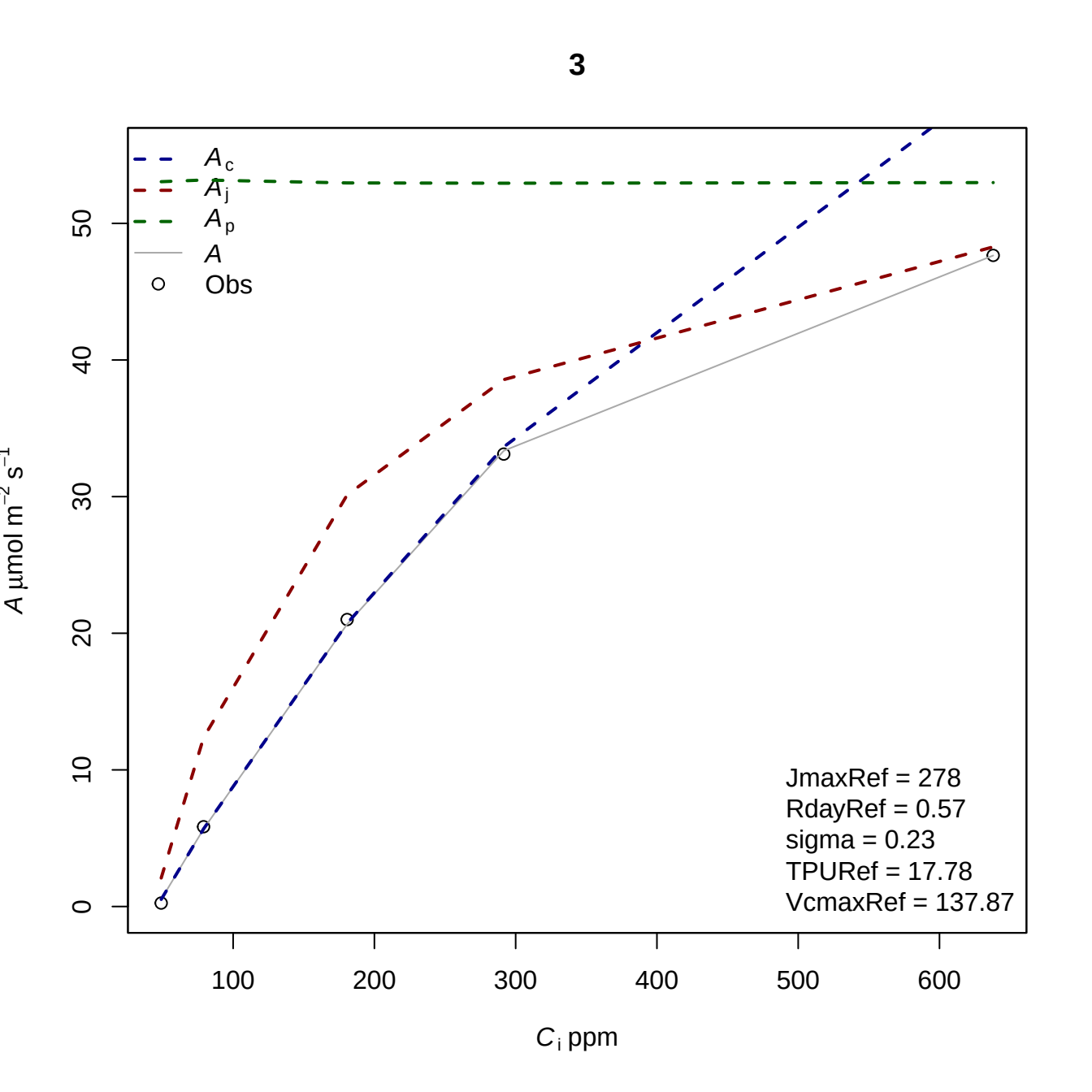
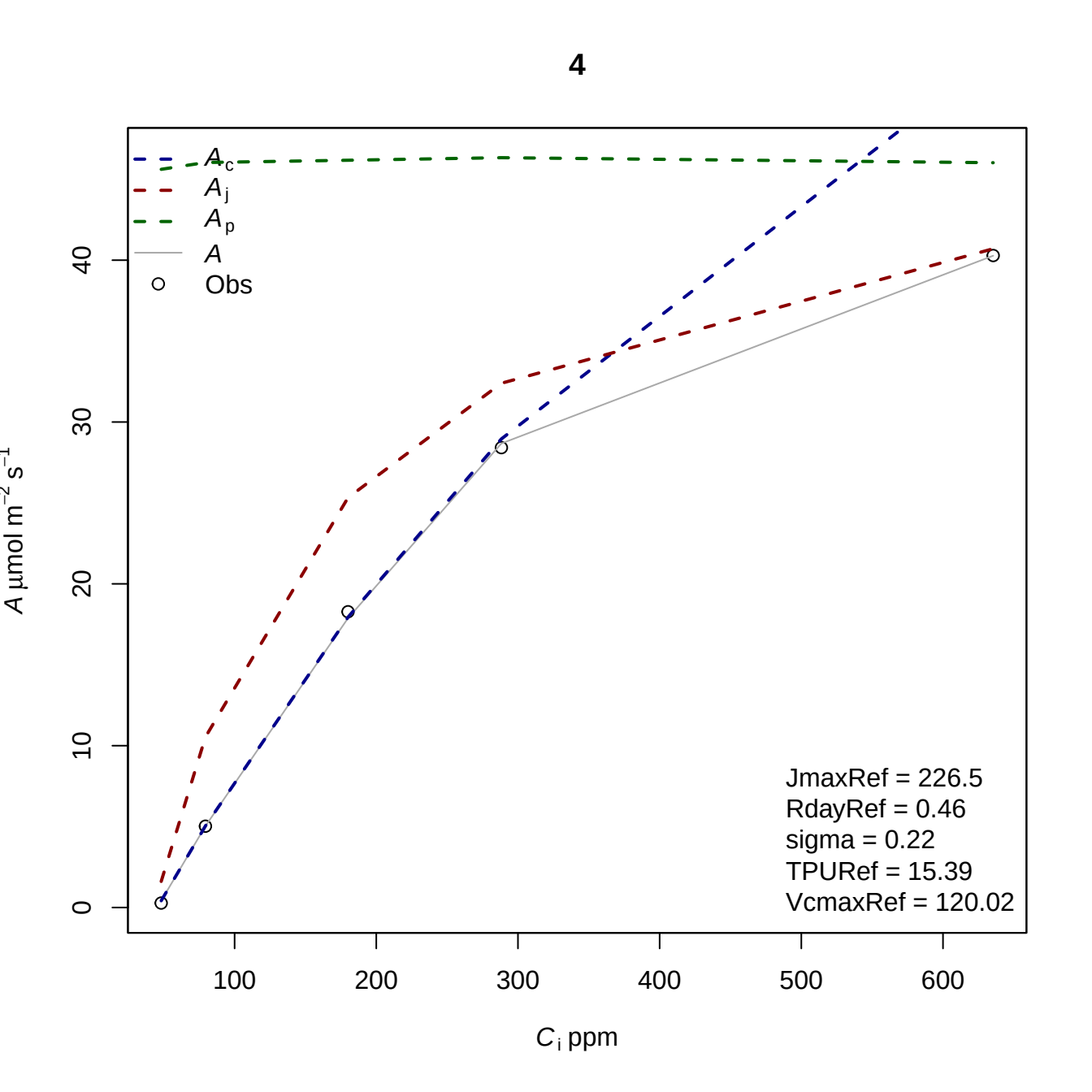
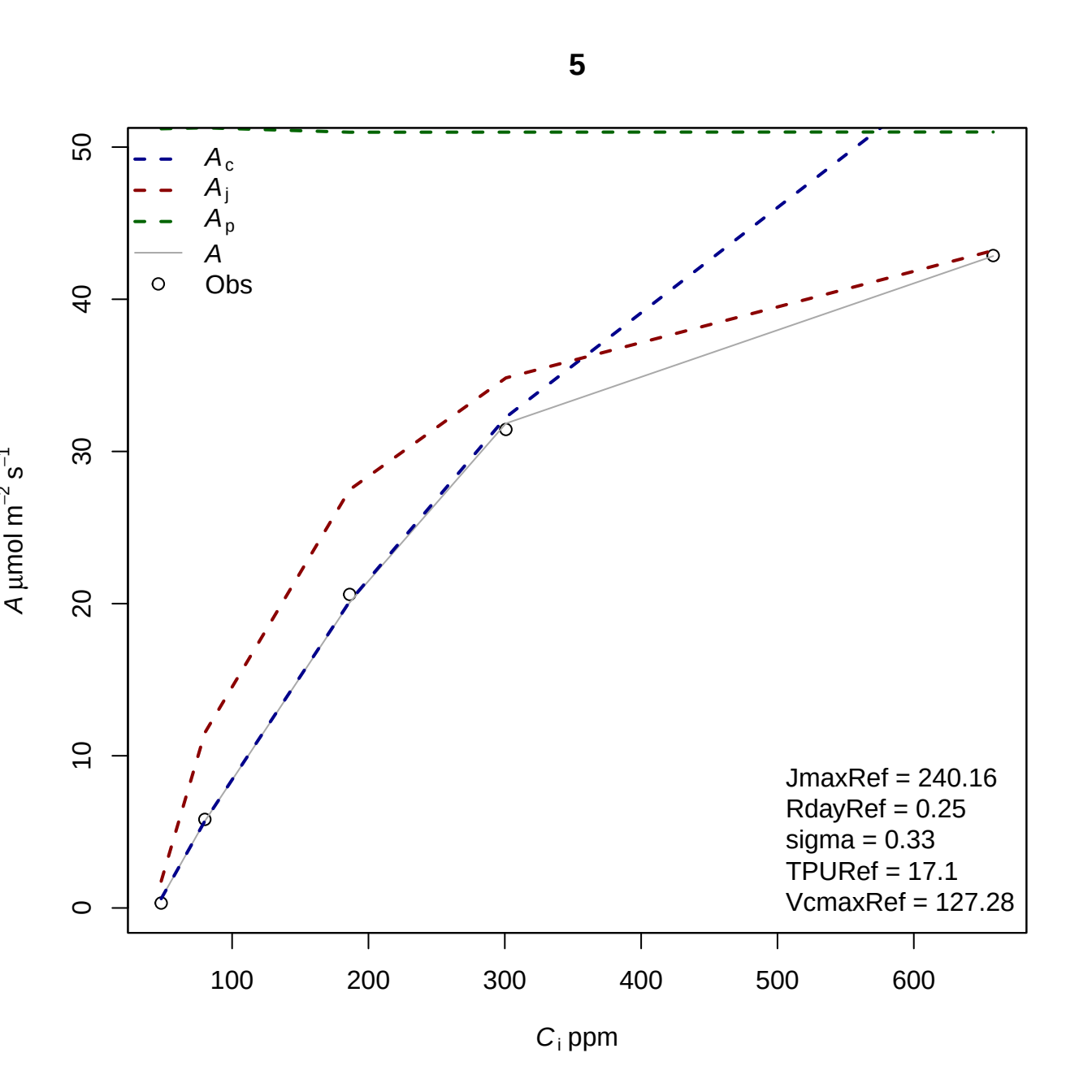
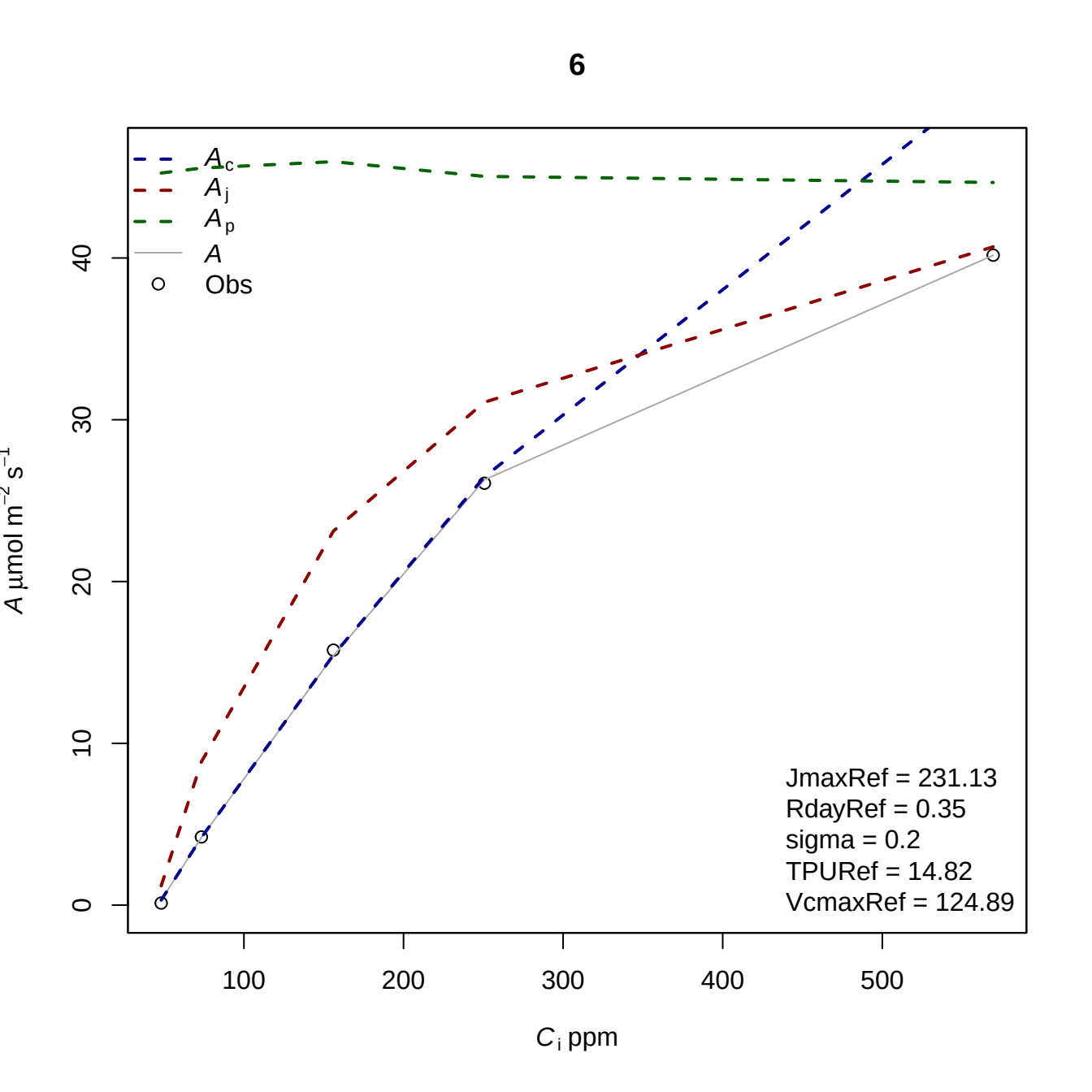

1
A_c
A_j
A_p
A
Obs
JmaxRef = 263.58
RdayRef = 0.39
sigma = 0.51
TPURef = 16.57
VcmaxRef = 127.3
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

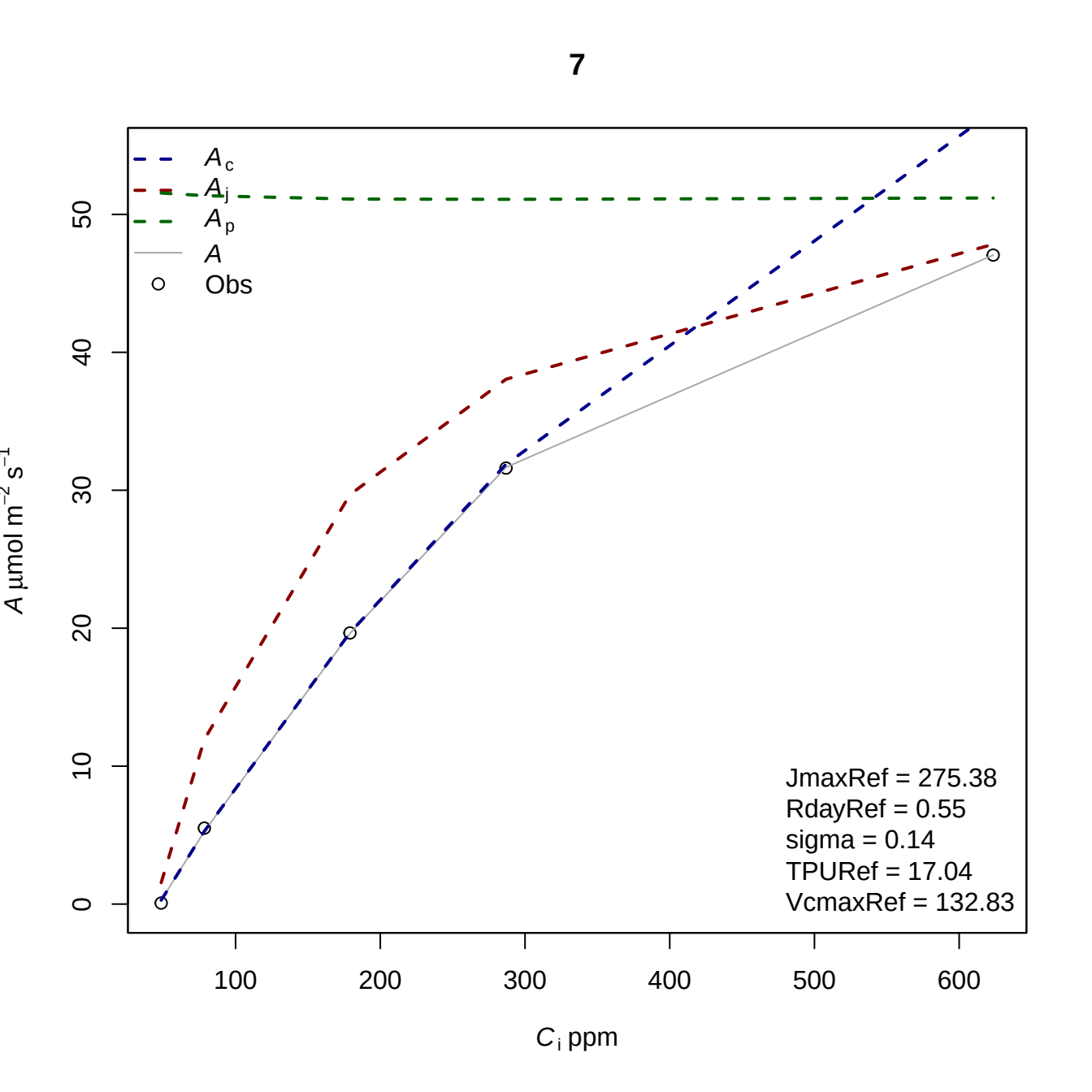

2
A_c
A_j
A_p
A
Obs
JmaxRef = 239.74
RdayRef = 0.23
sigma = 0.21
TPURef = 16.12
VcmaxRef = 128.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

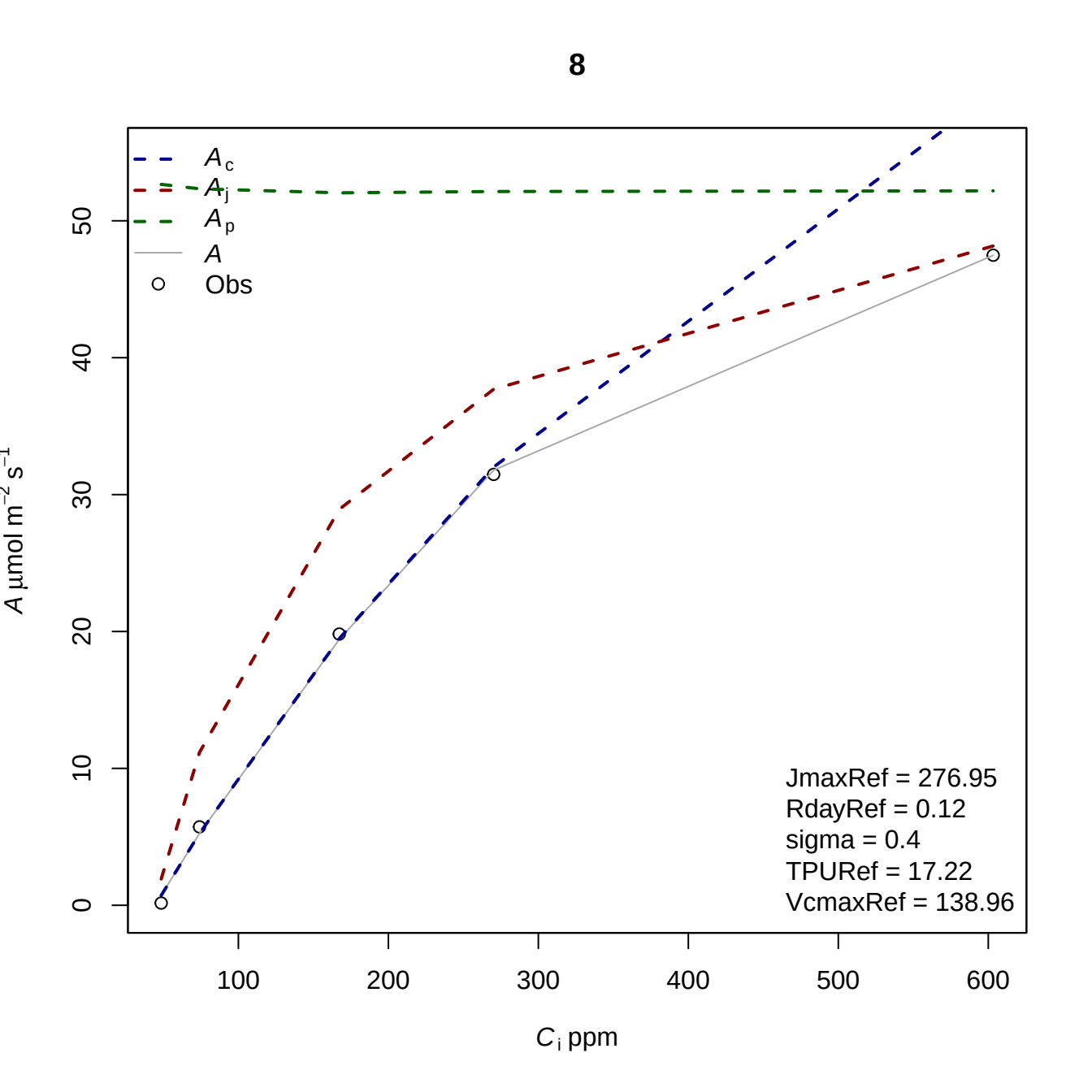

3
A_c
A_j
A_p
A
Obs
JmaxRef = 278
RdayRef = 0.57
sigma = 0.23
TPURef = 17.78
VcmaxRef = 137.87
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

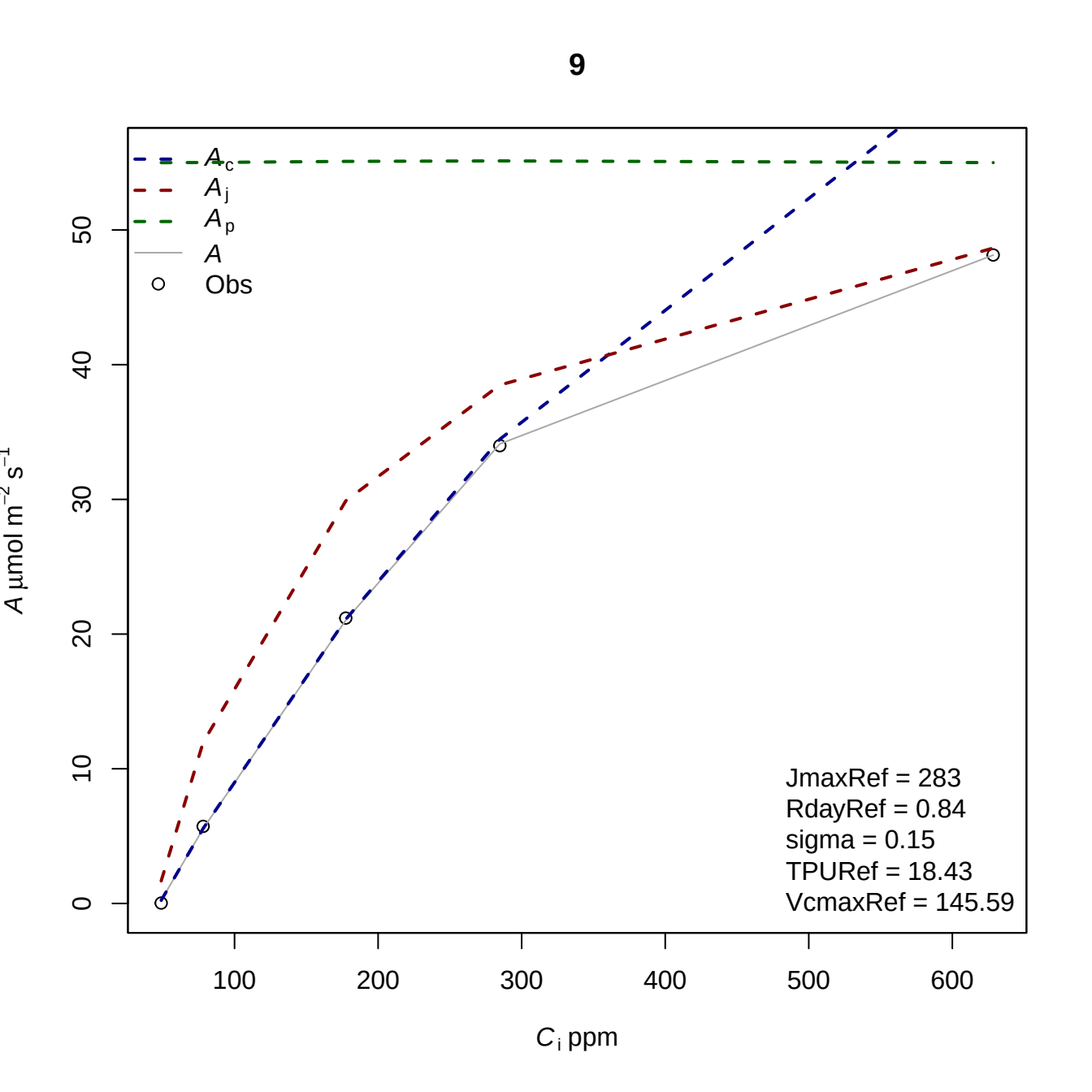

4
A_c
A_j
A_p
A
Obs
JmaxRef = 226.5
RdayRef = 0.46
sigma = 0.22
TPURef = 15.39
VcmaxRef = 120.02
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

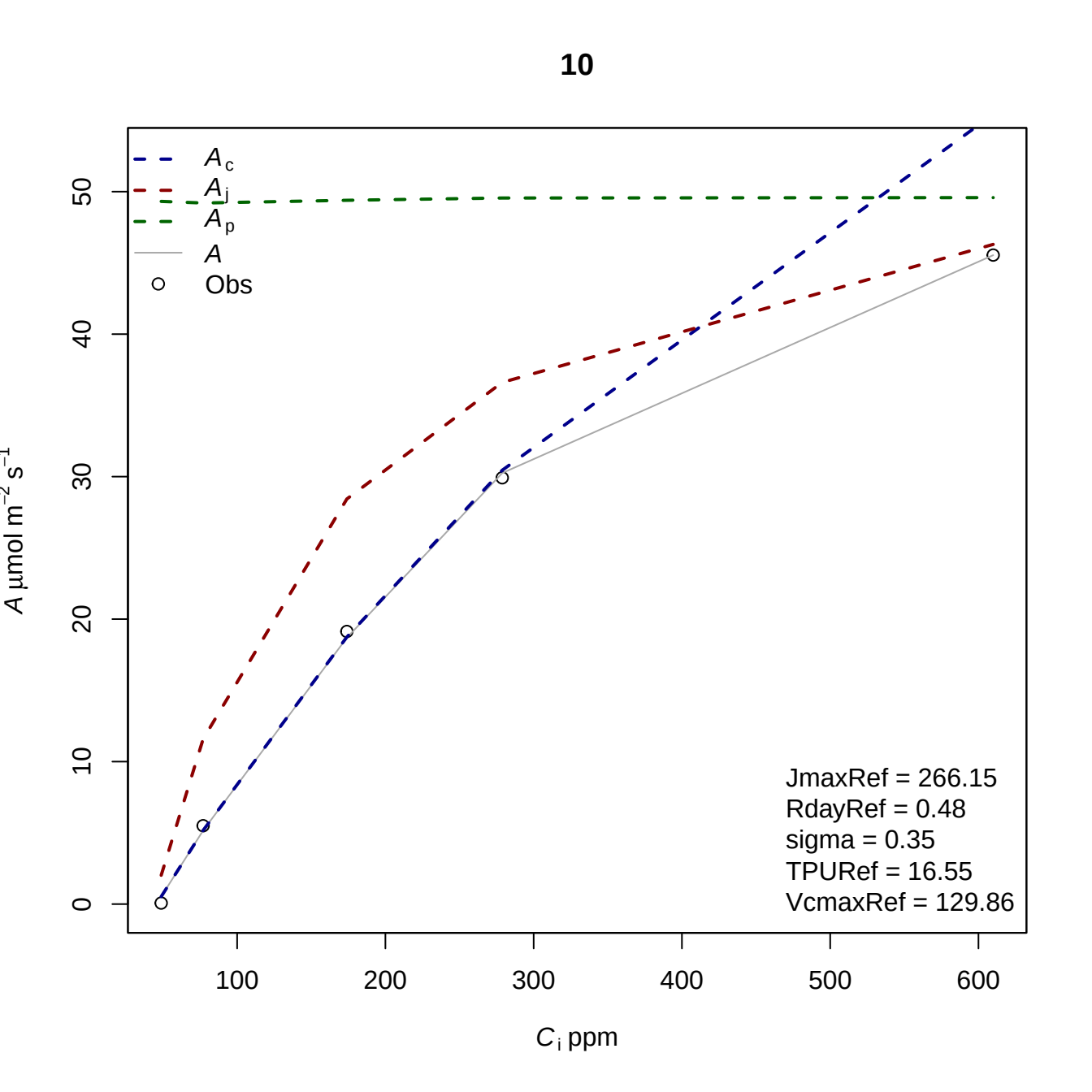

5
A_c
A_j
A_p
A
Obs
JmaxRef = 240.16
RdayRef = 0.25
sigma = 0.33
TPURef = 17.1
VcmaxRef = 127.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

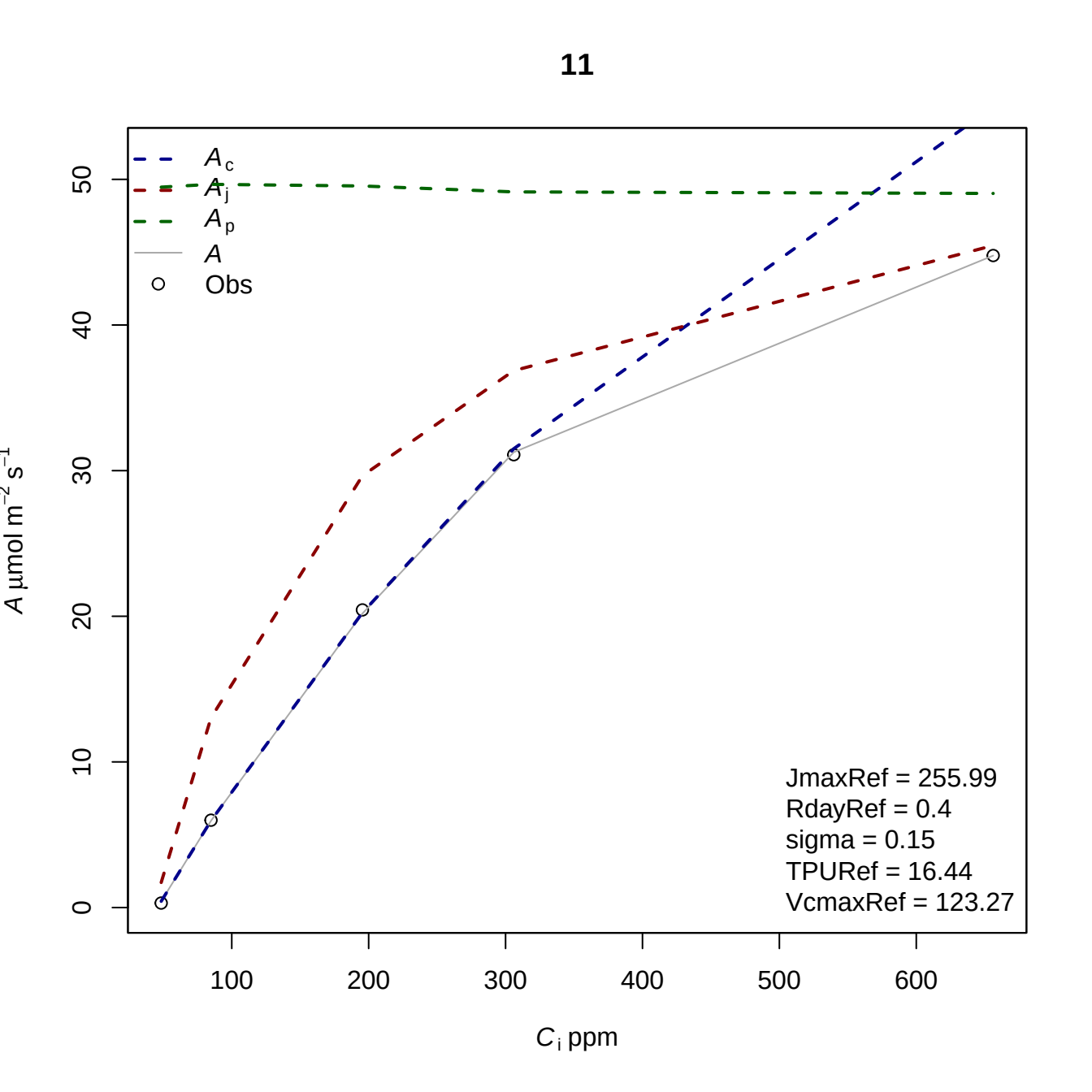

6
A_c
A_j
A_p
A
Obs
JmaxRef = 231.13
RdayRef = 0.35
sigma = 0.2
TPURef = 14.82
VcmaxRef = 124.89
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
C_i ppm

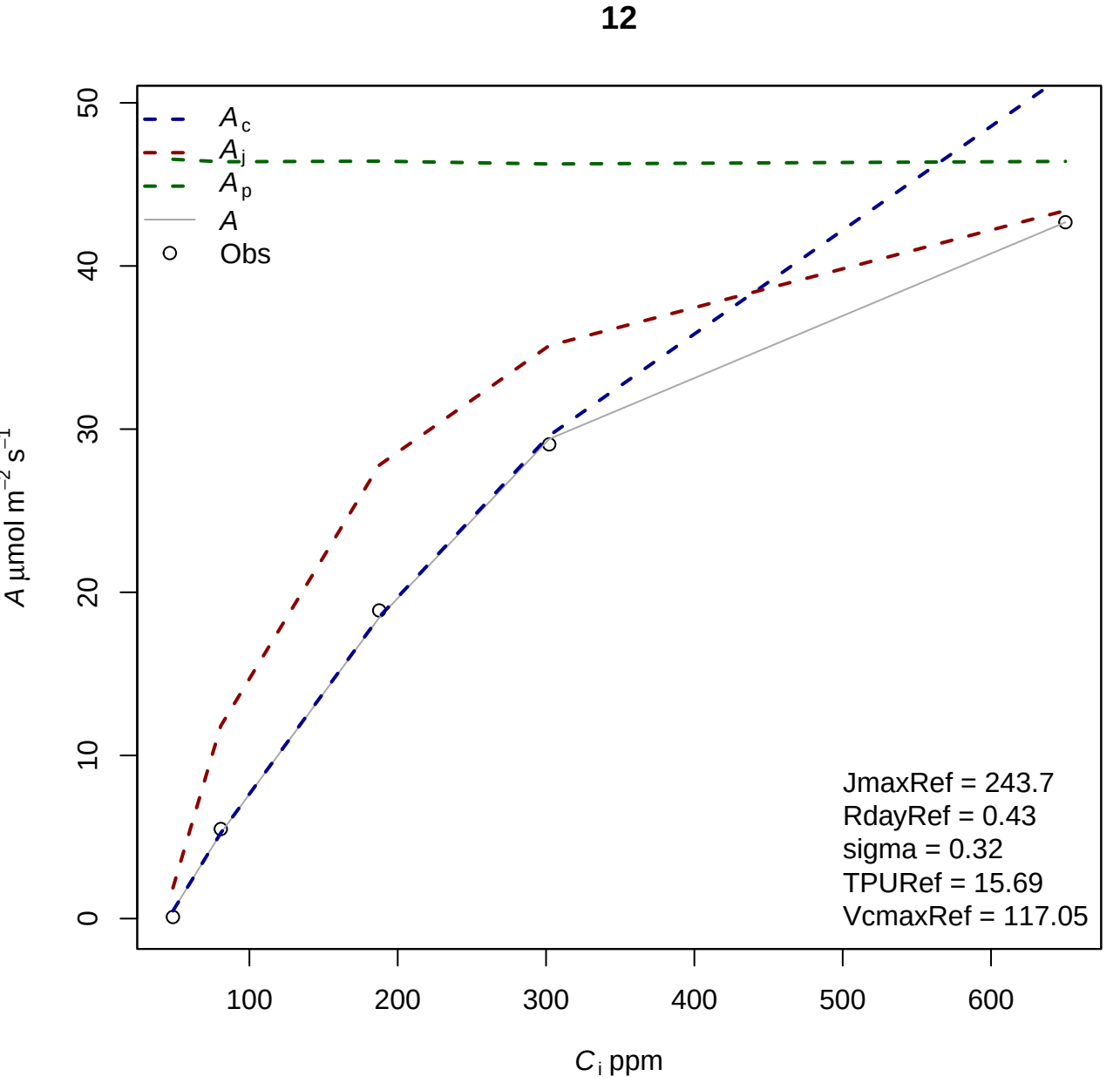

7
A_c
A_j
A_p
A
Obs
JmaxRef = 275.38
RdayRef = 0.55
sigma = 0.14
TPURef = 17.04
VcmaxRef = 132.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

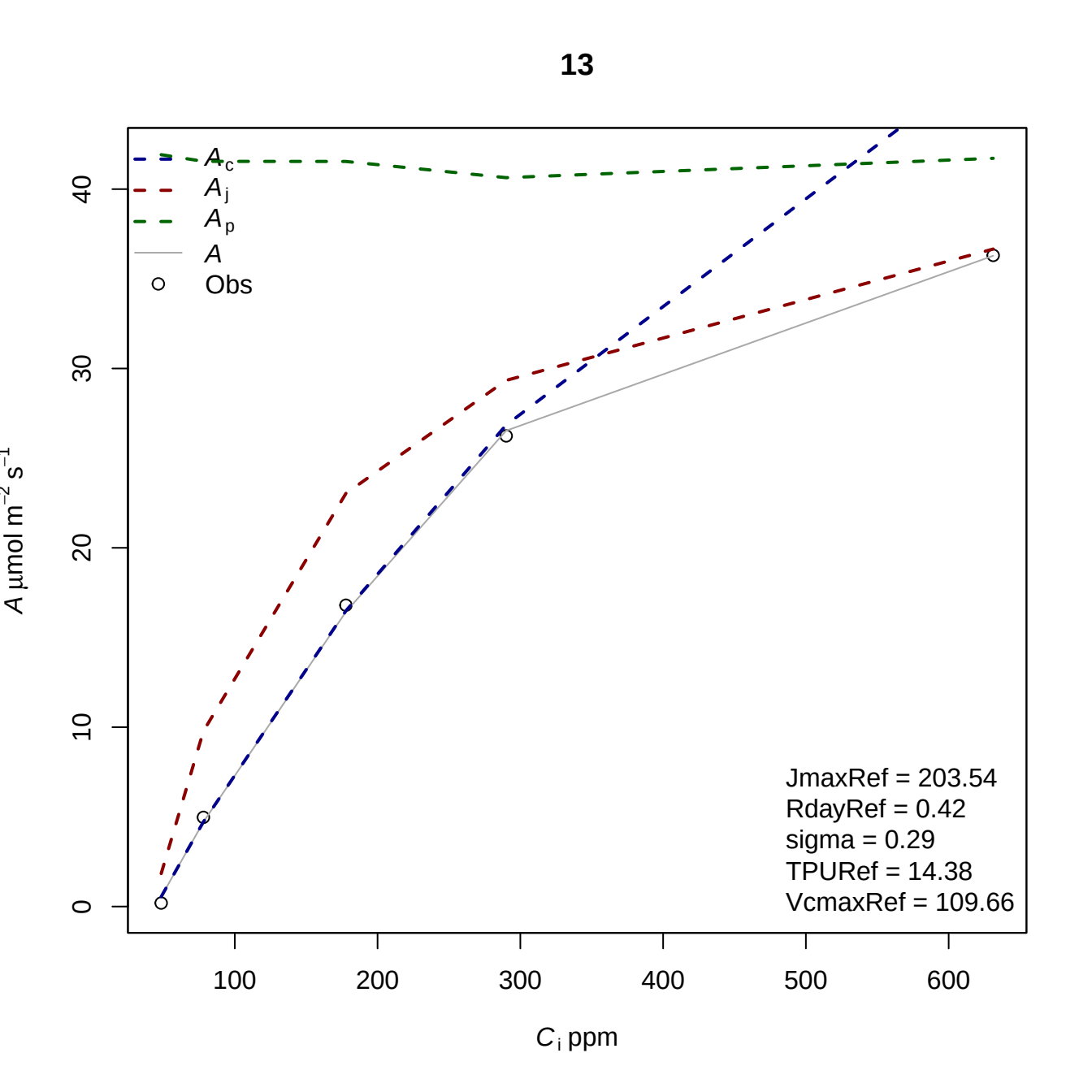

8
A_c
A_j
A_p
A
Obs
JmaxRef = 276.95
RdayRef = 0.12
sigma = 0.4
TPURef = 17.22
VcmaxRef = 138.96
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

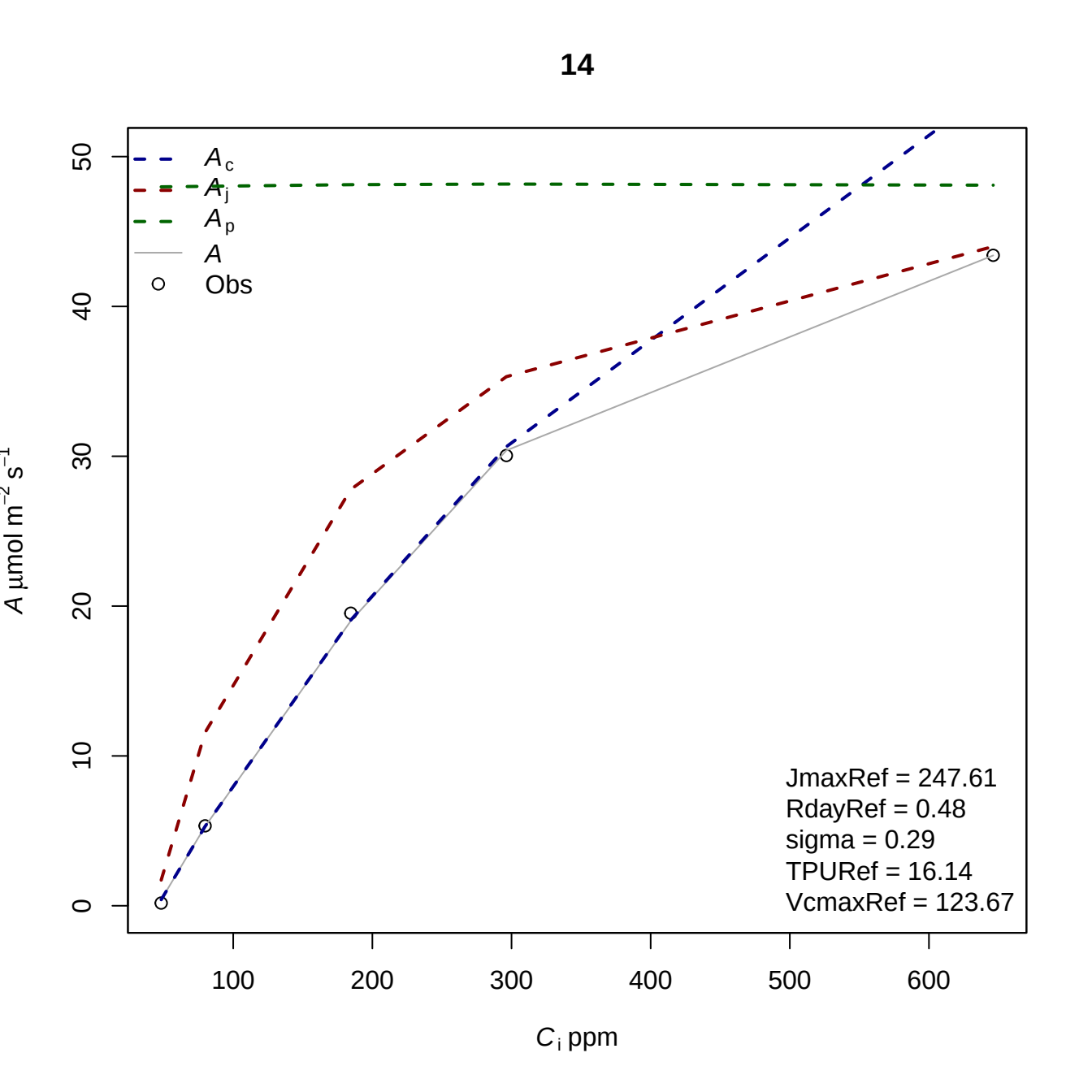

9
A_c
A_j
A_p
A
Obs
JmaxRef = 283
RdayRef = 0.84
sigma = 0.15
TPURef = 18.43
VcmaxRef = 145.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

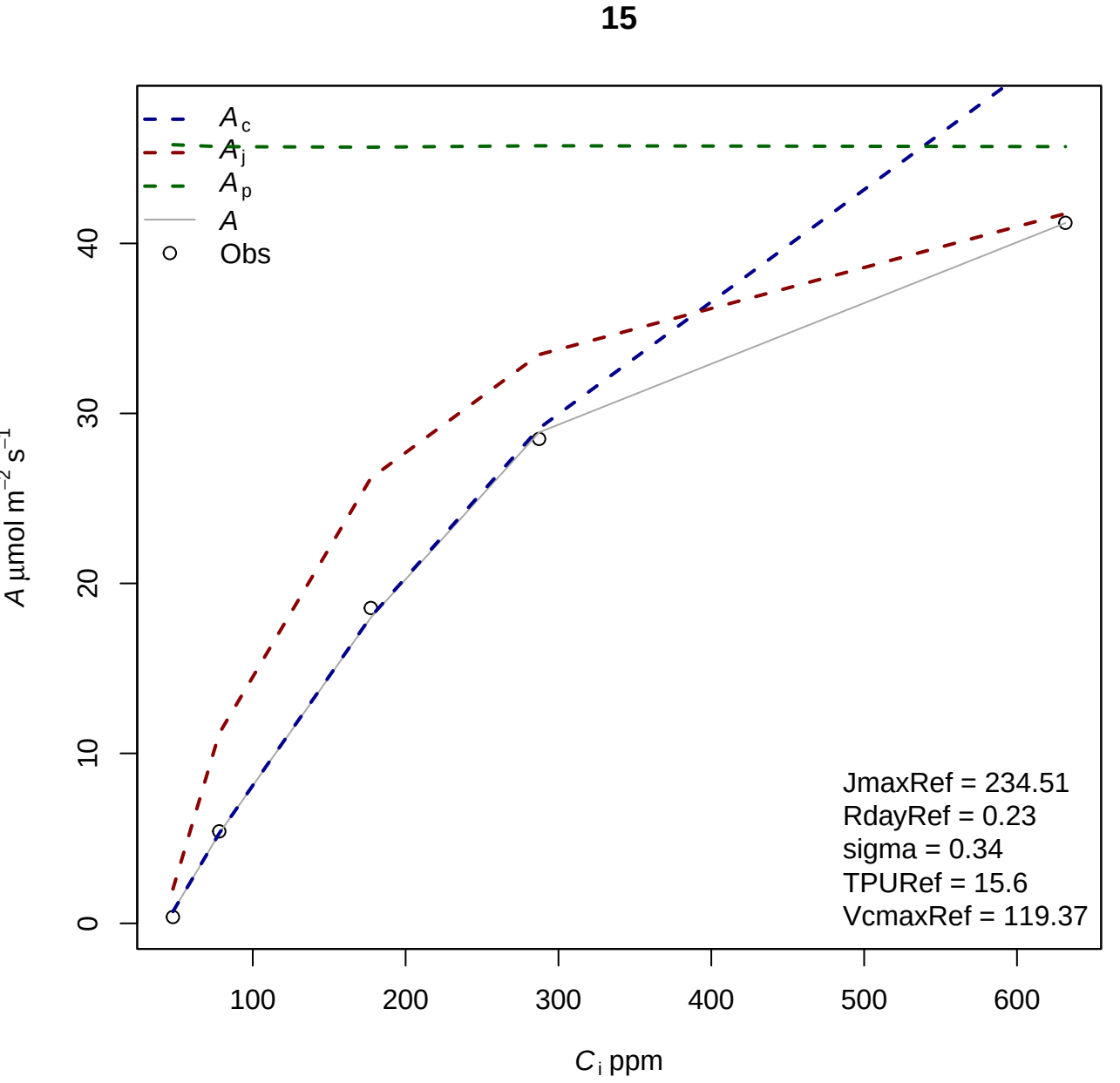

10
A_c
A_j
A_p
A
Obs
JmaxRef = 266.15
RdayRef = 0.48
sigma = 0.35
TPURef = 16.55
VcmaxRef = 129.86
0
10
20
30
40
50
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

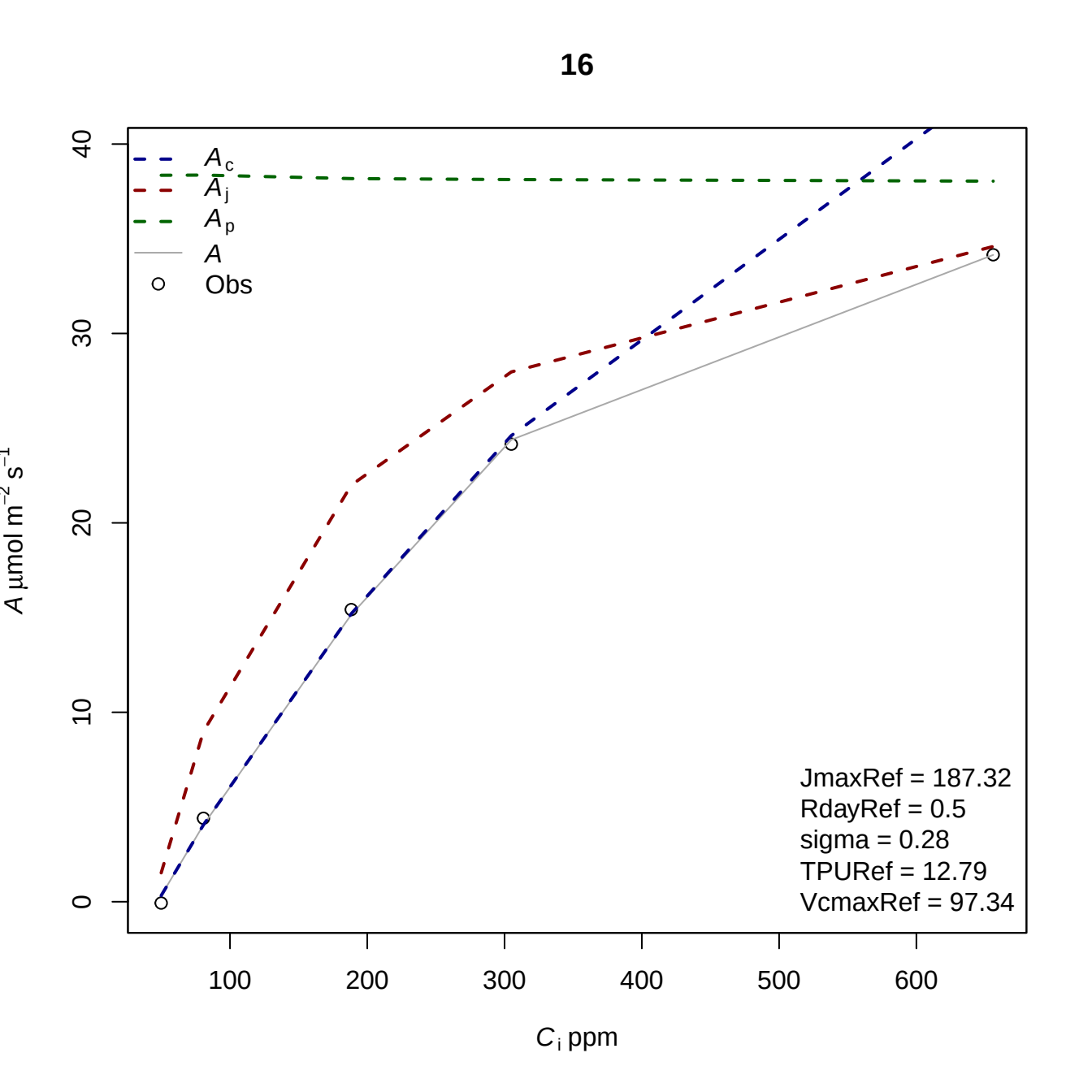

11
A_c
A_j
A_p
A
Obs
JmaxRef = 255.99
RdayRef = 0.4
sigma = 0.15
TPURef = 16.44
VcmaxRef = 123.27
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

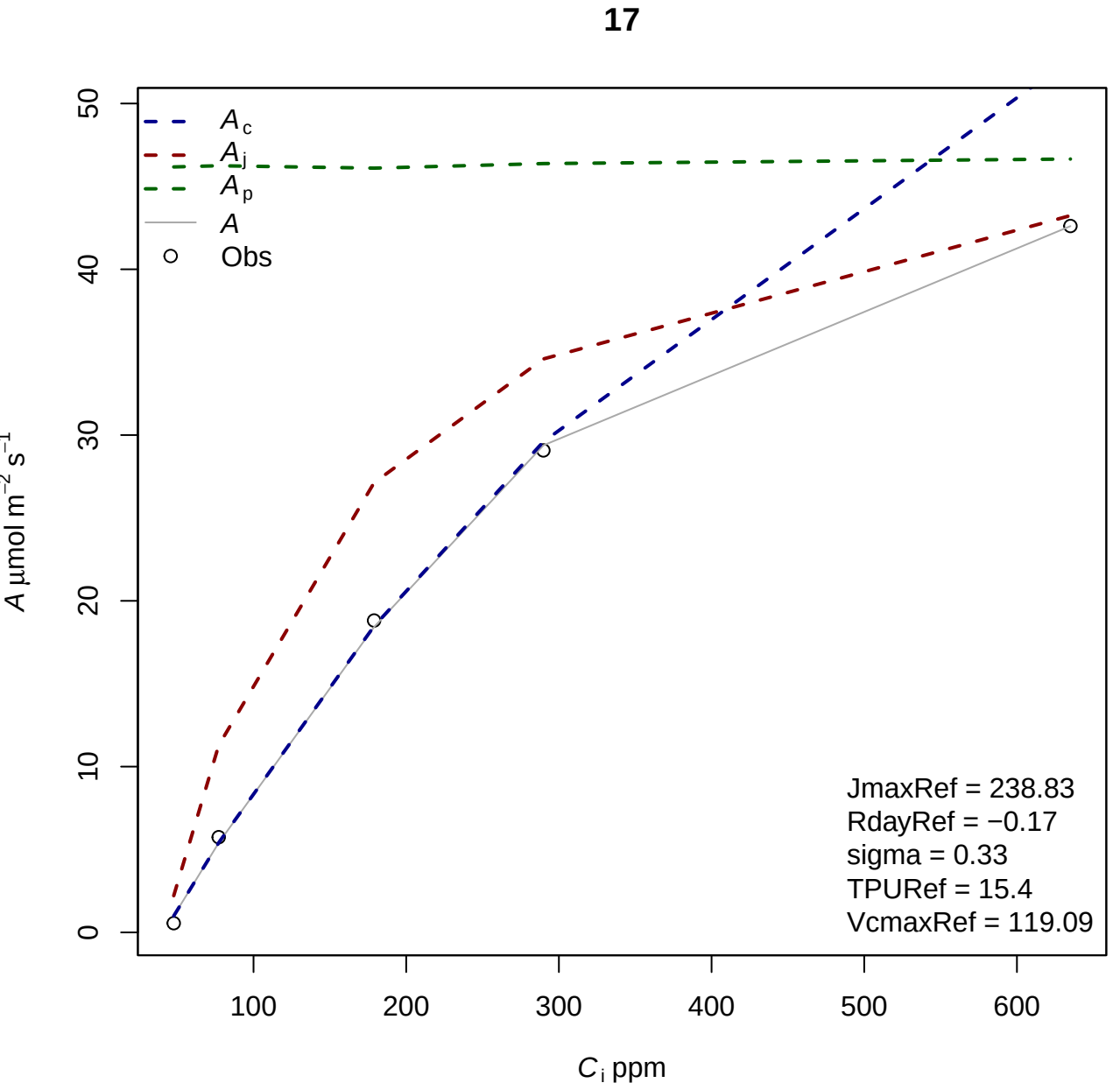

12
A_c
A_j
A_p
A
Obs
JmaxRef = 243.7
RdayRef = 0.43
sigma = 0.32
TPURef = 15.69
VcmaxRef = 117.05
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

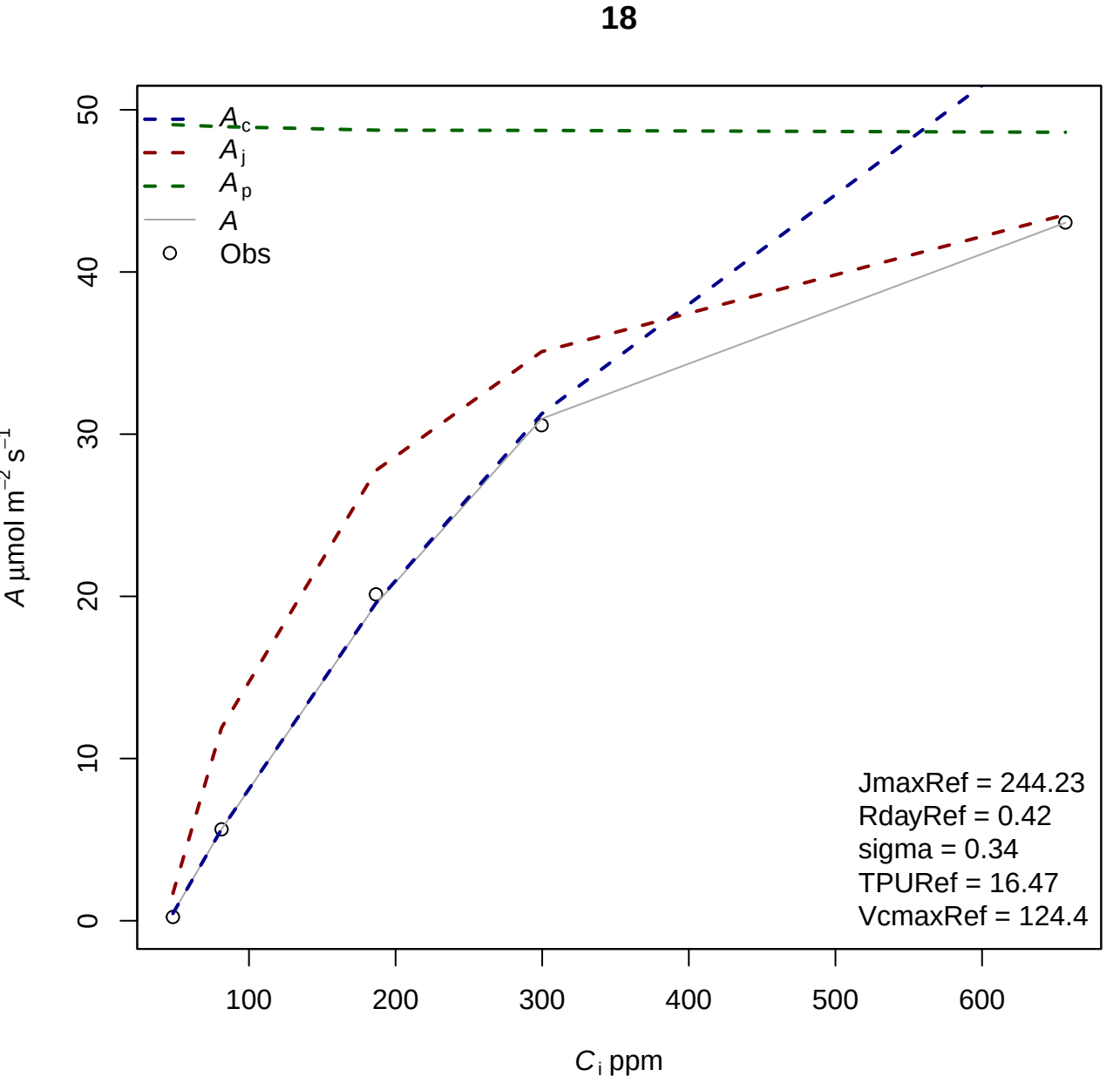

13
A_c
A_j
A_p
A
Obs
JmaxRef = 203.54
RdayRef = 0.42
sigma = 0.29
TPURef = 14.38
VcmaxRef = 109.66
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

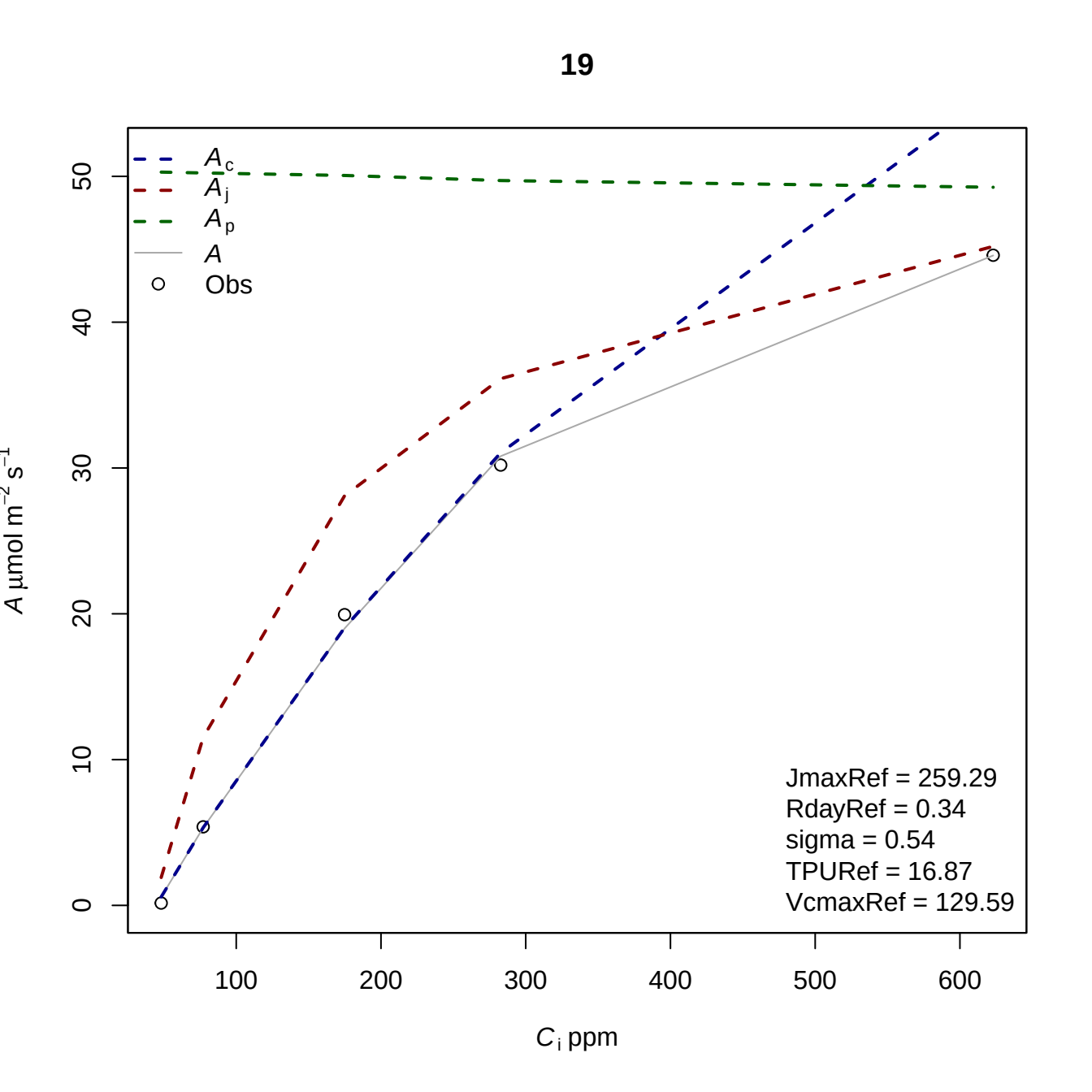

14
A_c
A_j
A_p
A
Obs
JmaxRef = 247.61
RdayRef = 0.48
sigma = 0.29
TPURef = 16.14
VcmaxRef = 123.67
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

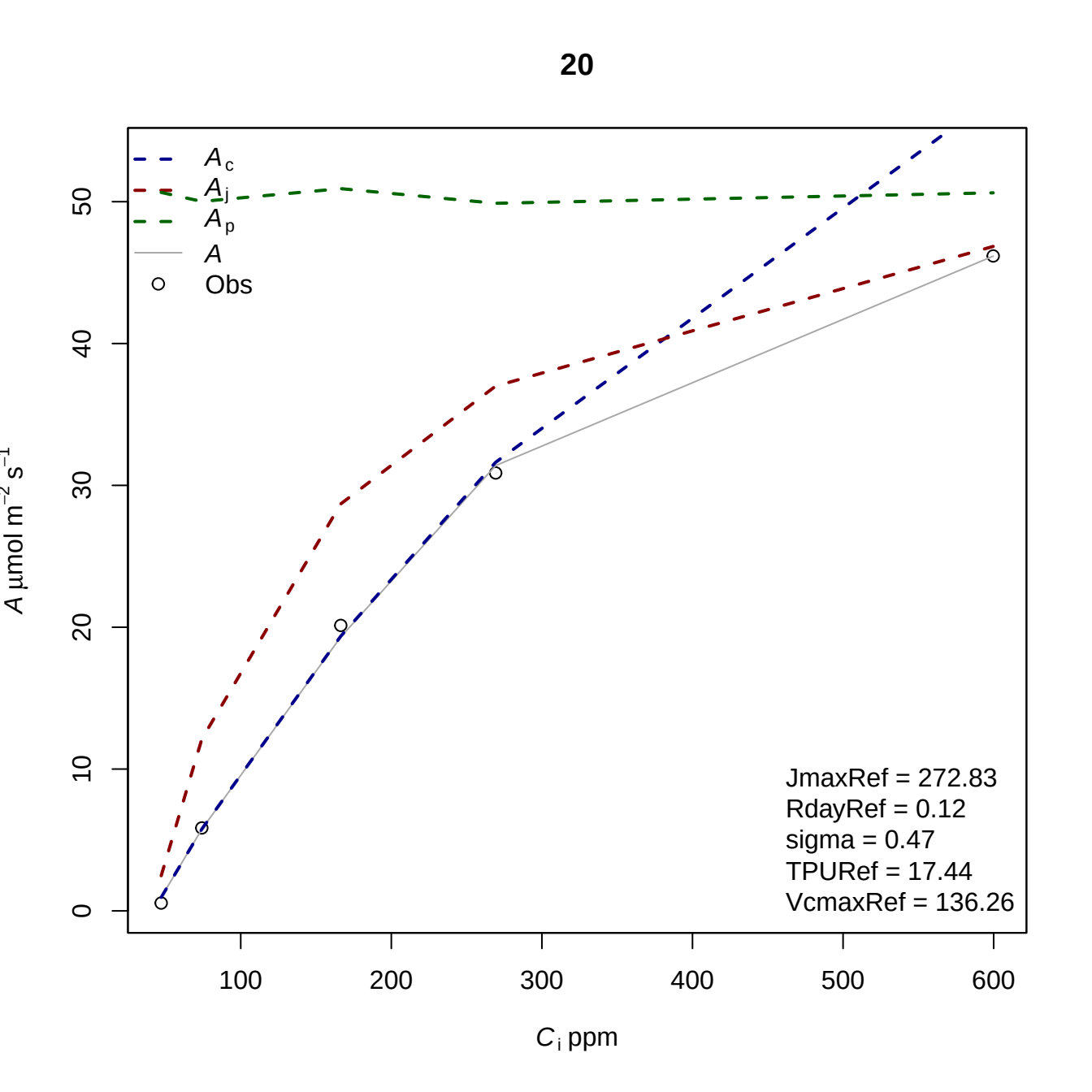

15
A_c
A_j
A_p
A
Obs
JmaxRef = 234.51
RdayRef = 0.23
sigma = 0.34
TPURef = 15.6
VcmaxRef = 119.37
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

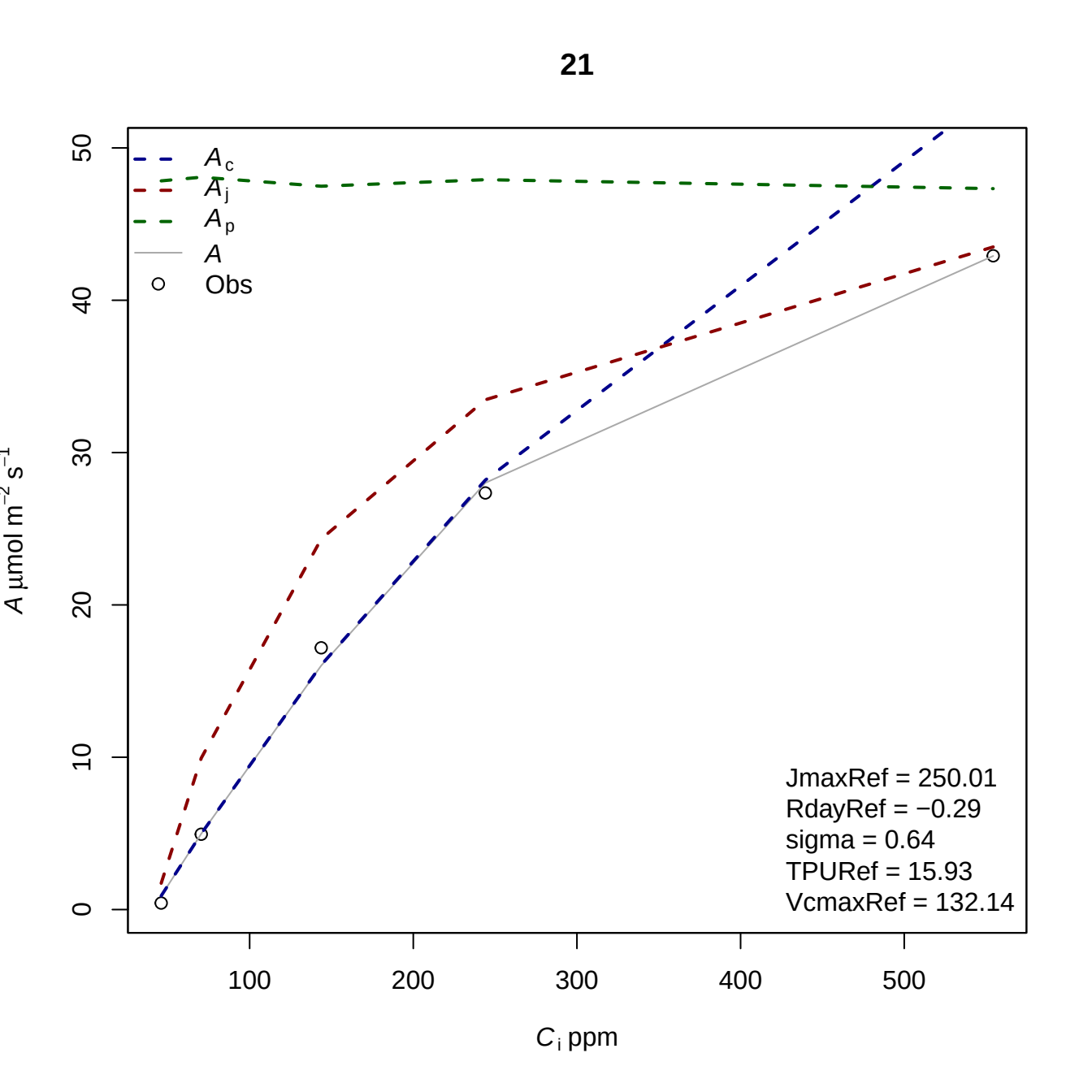

16
A_c
A_j
A_p
A
Obs
JmaxRef = 187.32
RdayRef = 0.5
sigma = 0.28
TPURef = 12.79
VcmaxRef = 97.34
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

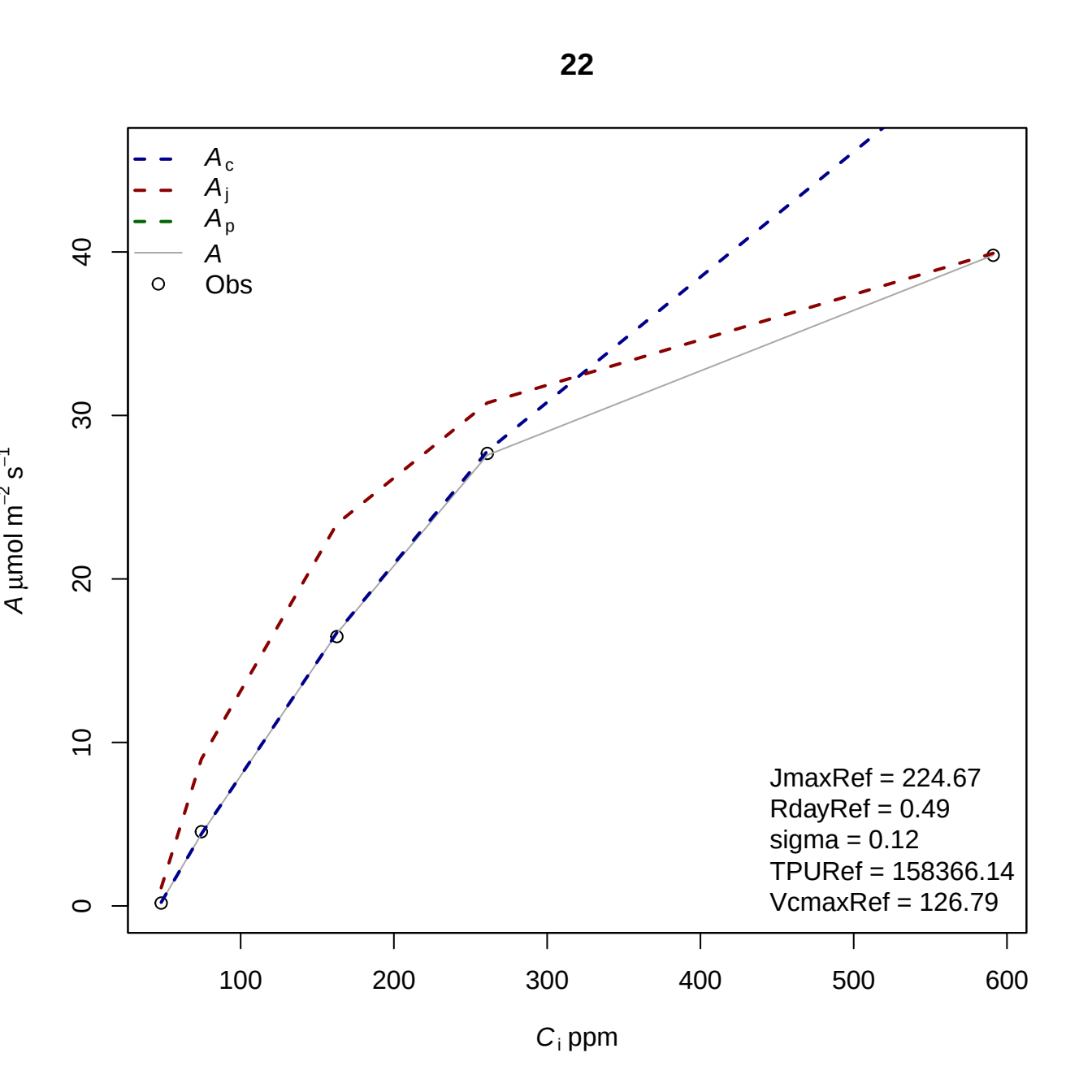

17
A_c
A_j
A_p
A
Obs
JmaxRef = 238.83
RdayRef = −0.17
sigma = 0.33
TPURef = 15.4
VcmaxRef = 119.09
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

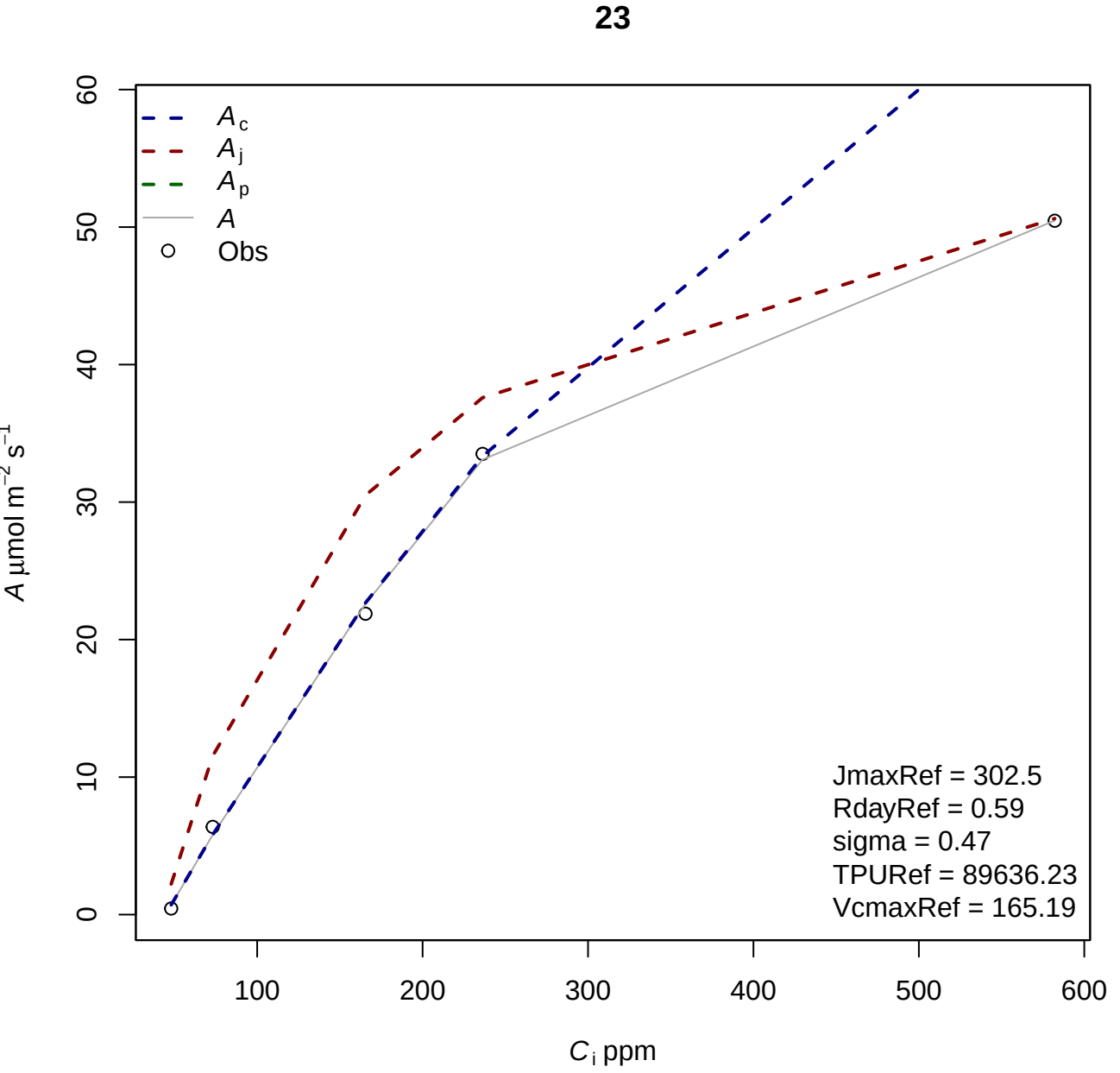

18
A_c
A_j
A_p
A
Obs
JmaxRef = 244.23
RdayRef = 0.42
sigma = 0.34
TPURef = 16.47
VcmaxRef = 124.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

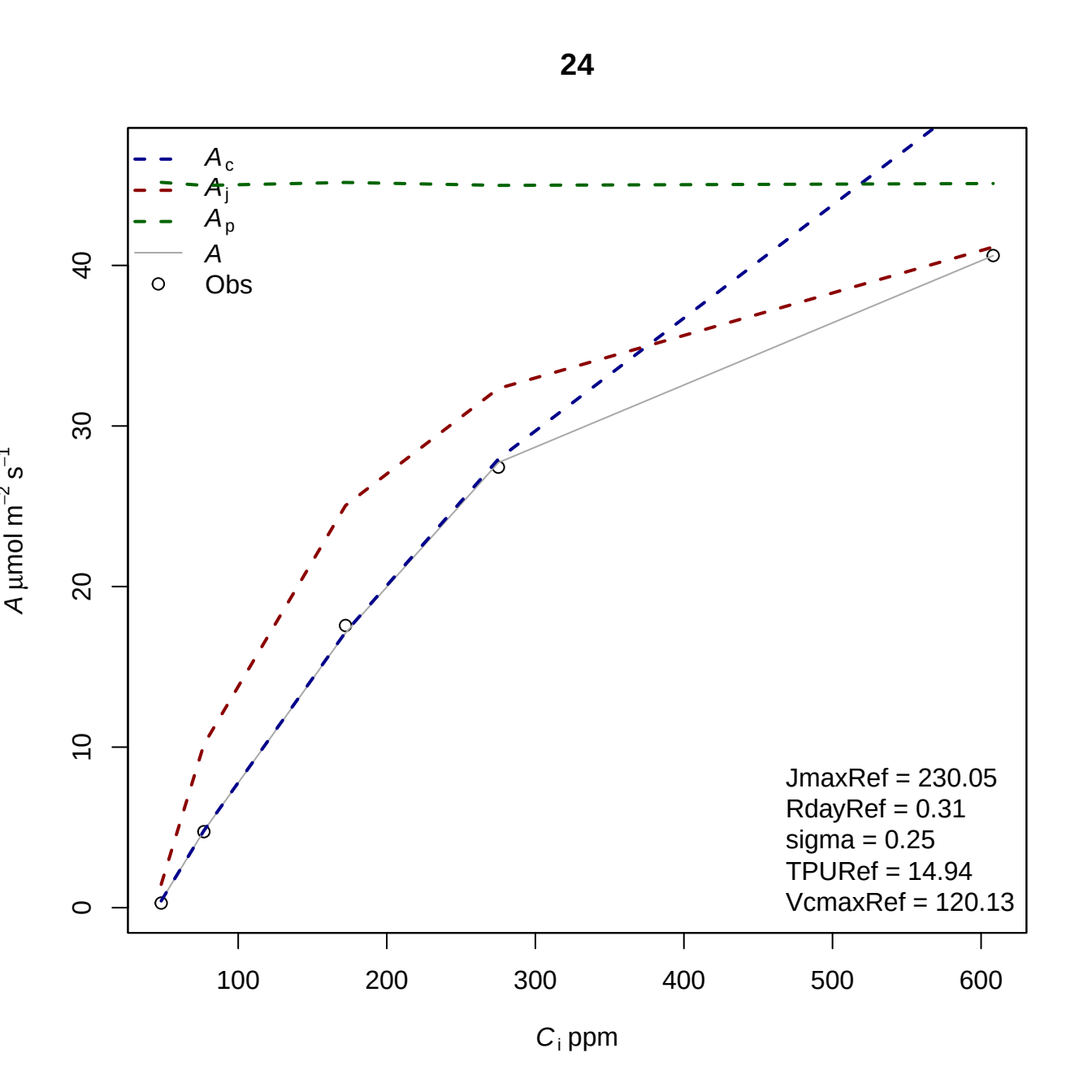

19
A_c
A_j
A_p
A
Obs
JmaxRef = 259.29
RdayRef = 0.34
sigma = 0.54
TPURef = 16.87
VcmaxRef = 129.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

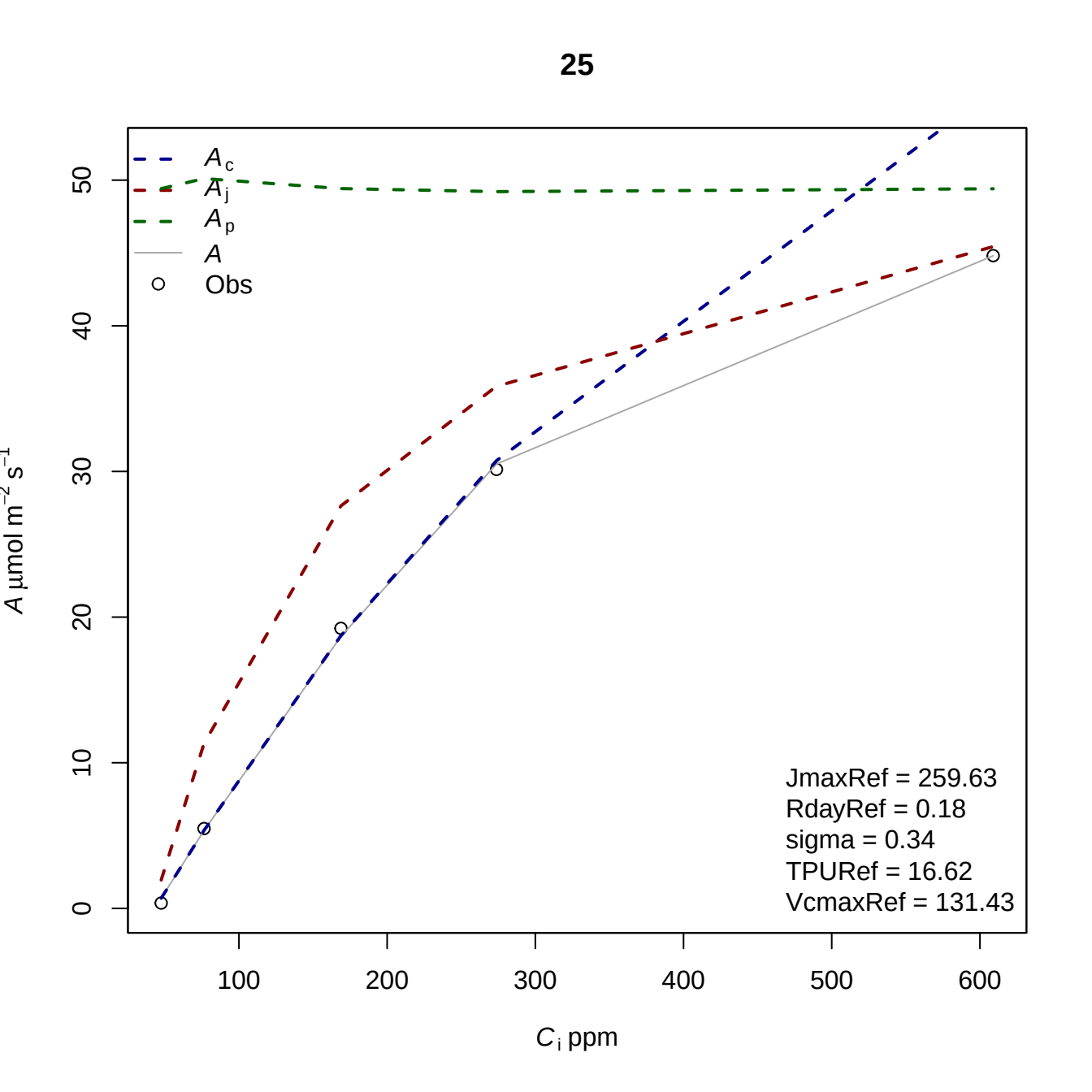

20
A_c
A_j
A_p
A
Obs
JmaxRef = 272.83
RdayRef = 0.12
sigma = 0.47
TPURef = 17.44
VcmaxRef = 136.26
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

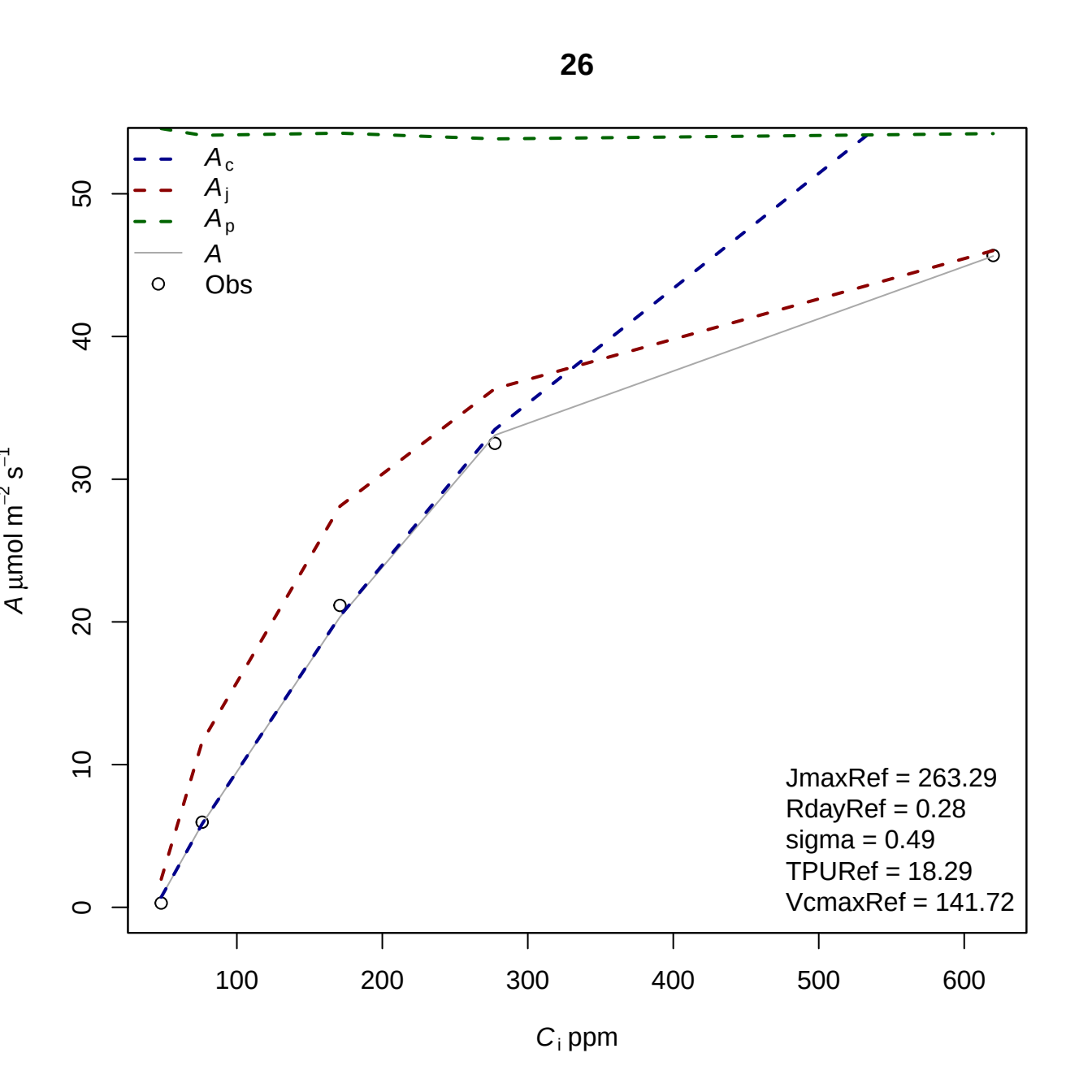

21
A_c
A_j
A_p
A
Obs
JmaxRef = 250.01
RdayRef = −0.29
sigma = 0.64
TPURef = 15.93
VcmaxRef = 132.14
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

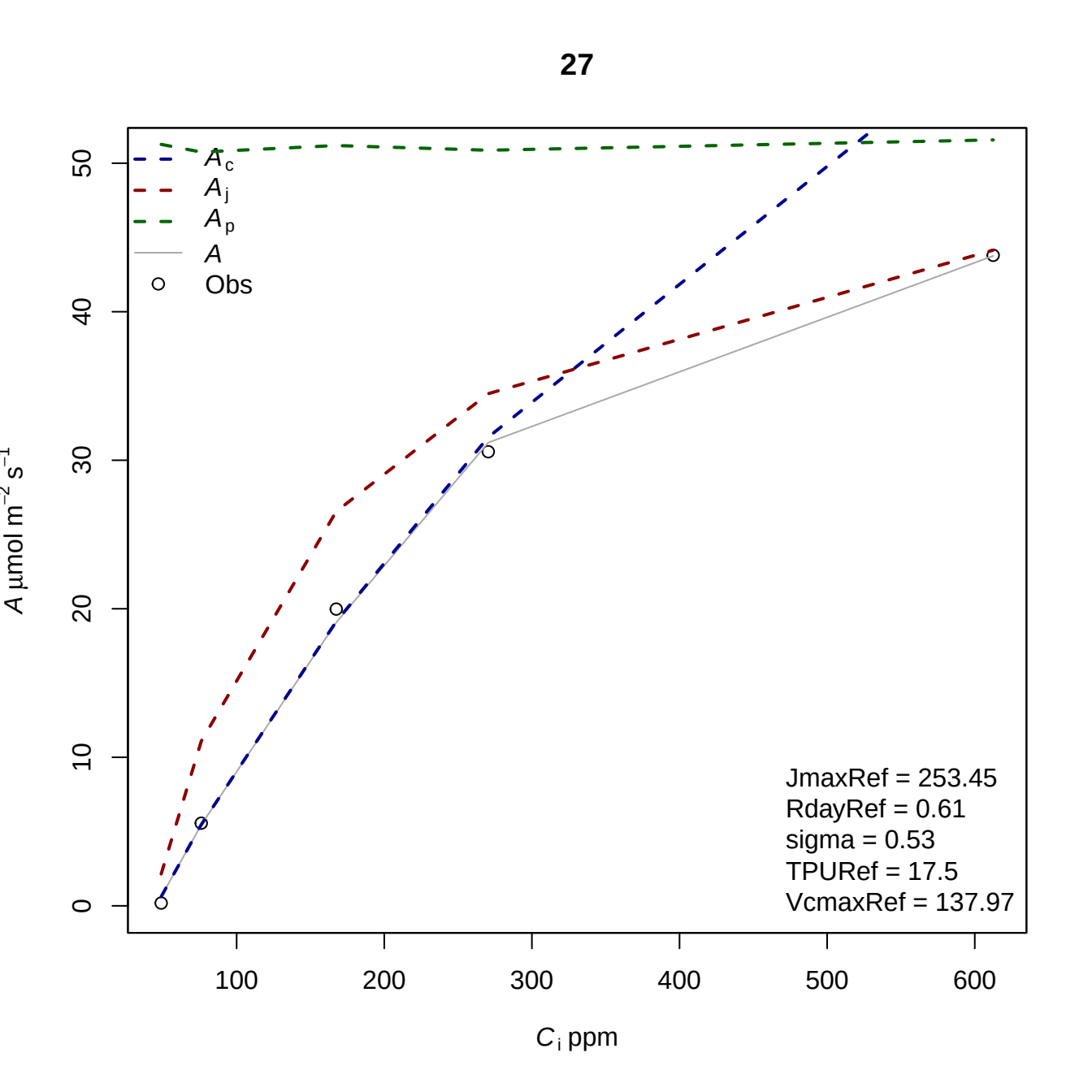

22
A_c
A_j
A_p
A
Obs
JmaxRef = 224.67
RdayRef = 0.49
sigma = 0.12
TPURef = 158366.14
VcmaxRef = 126.79
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

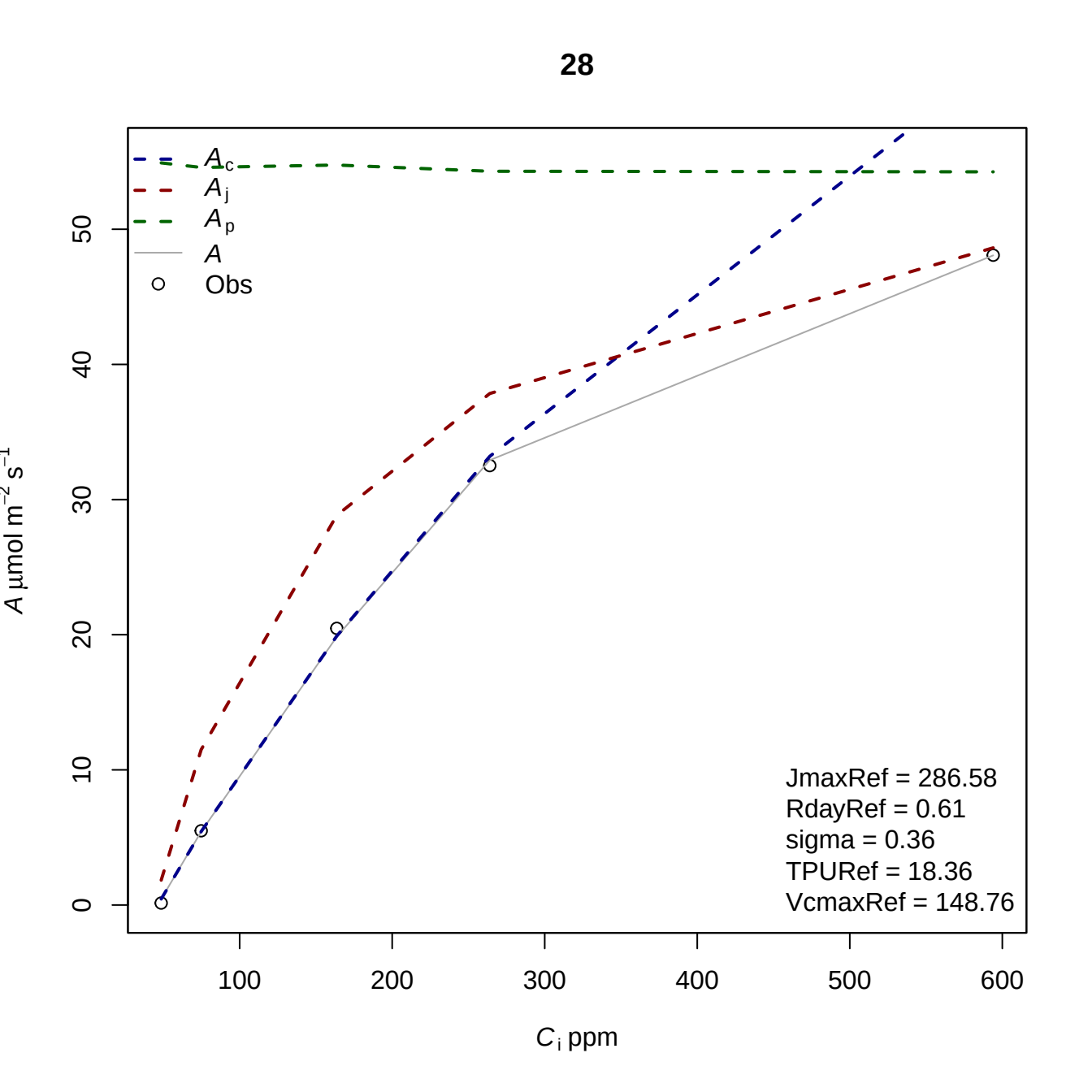

23
A_c
A_j
A_p
A
Obs
JmaxRef = 302.5
RdayRef = 0.59
sigma = 0.47
TPURef = 89636.23
VcmaxRef = 165.19
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

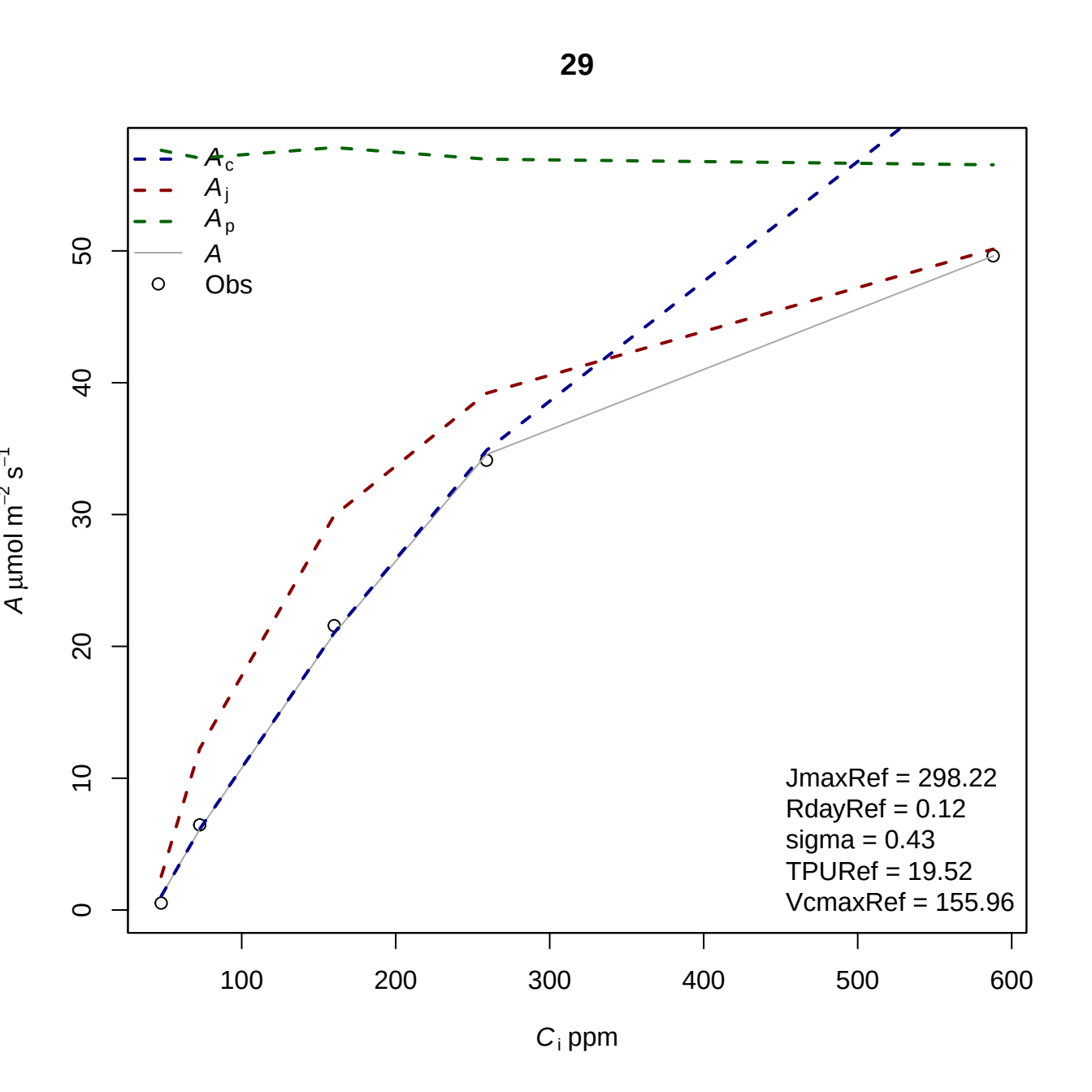

24
A_c
A_j
A_p
A
Obs
JmaxRef = 230.05
RdayRef = 0.31
sigma = 0.25
TPURef = 14.94
VcmaxRef = 120.13
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

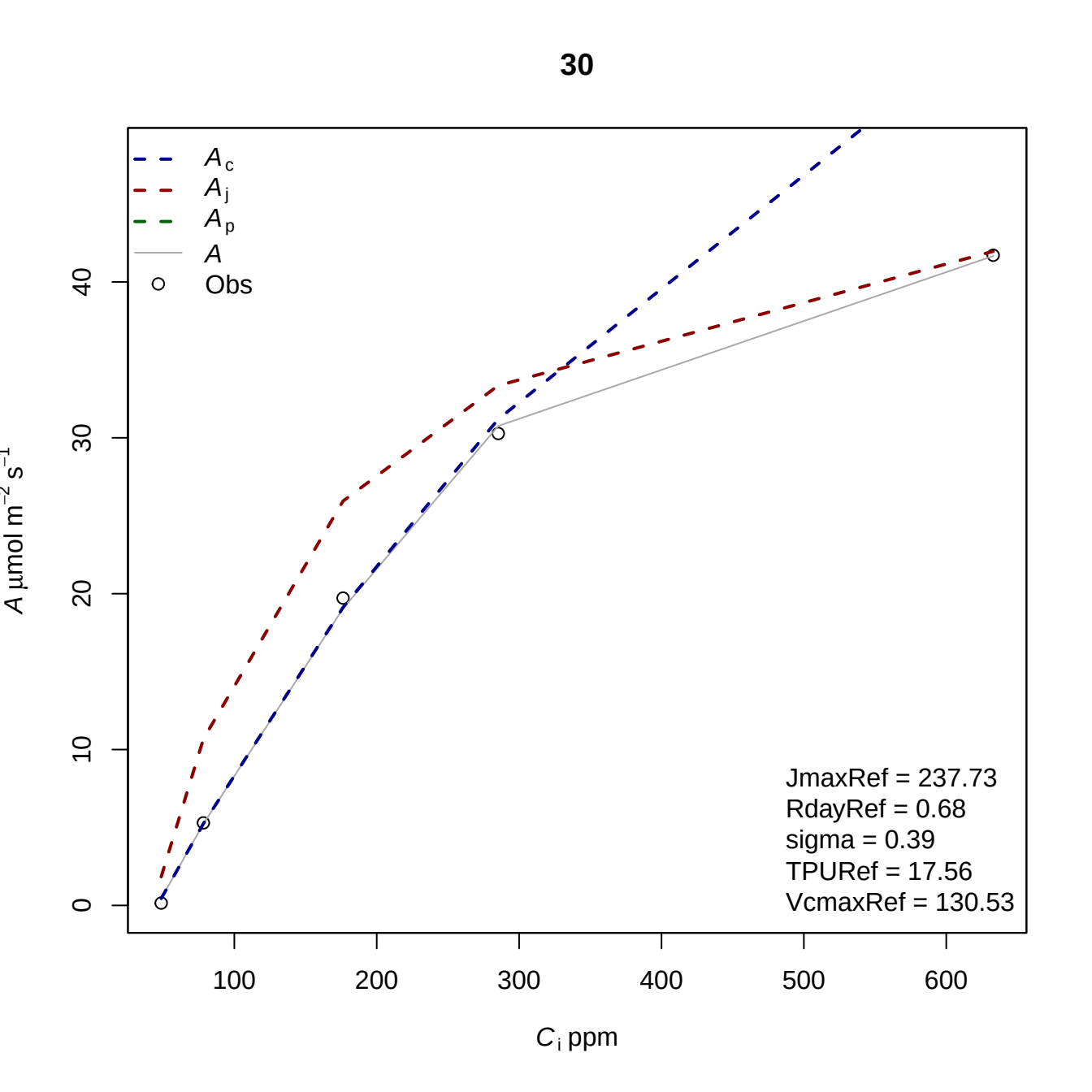

25
A_c
A_j
A_p
A
Obs
JmaxRef = 259.63
RdayRef = 0.18
sigma = 0.34
TPURef = 16.62
VcmaxRef = 131.43
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

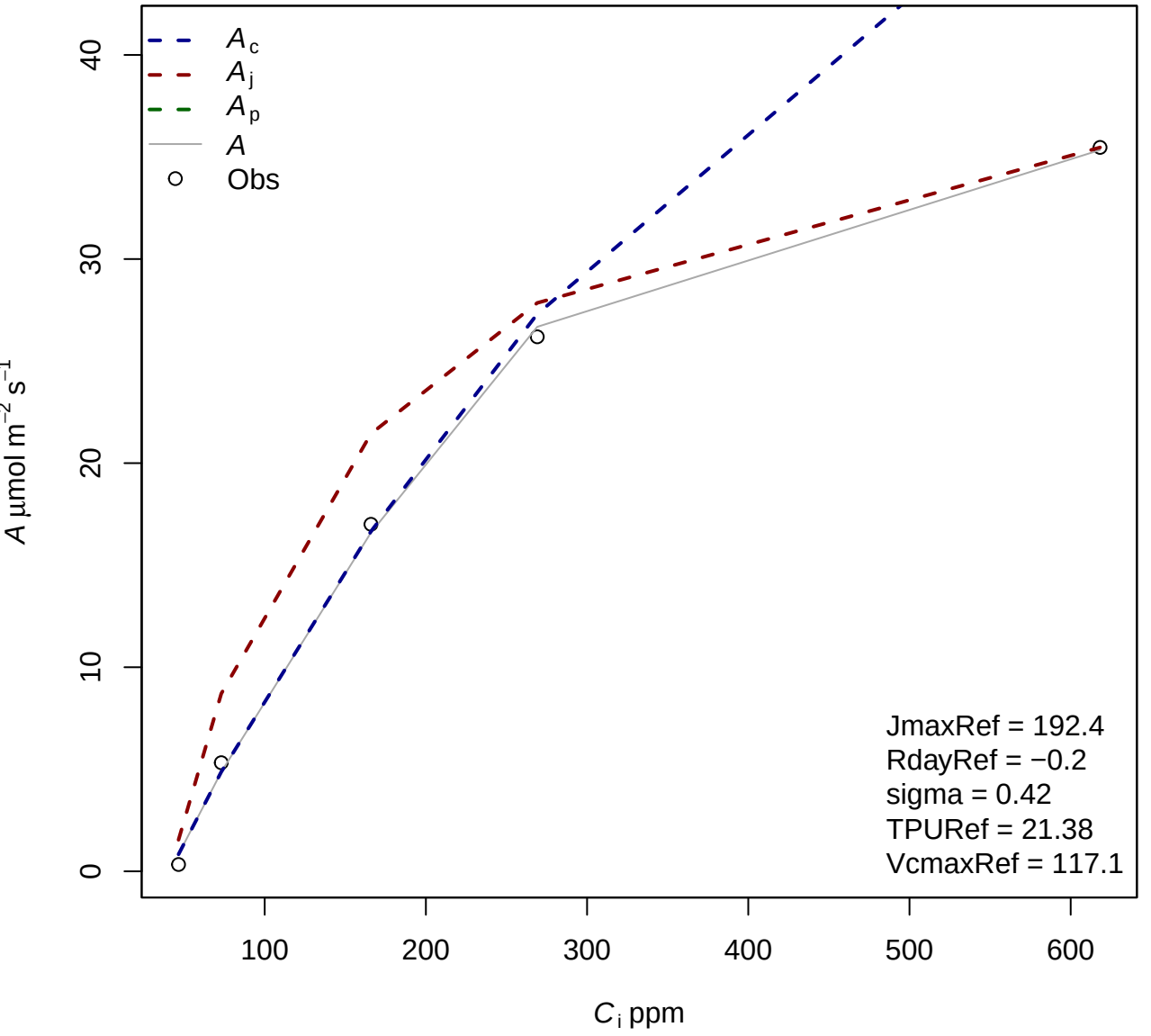

26
A_c
A_j
A_p
A
Obs
JmaxRef = 263.29
RdayRef = 0.28
sigma = 0.49
TPURef = 18.29
VcmaxRef = 141.72
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

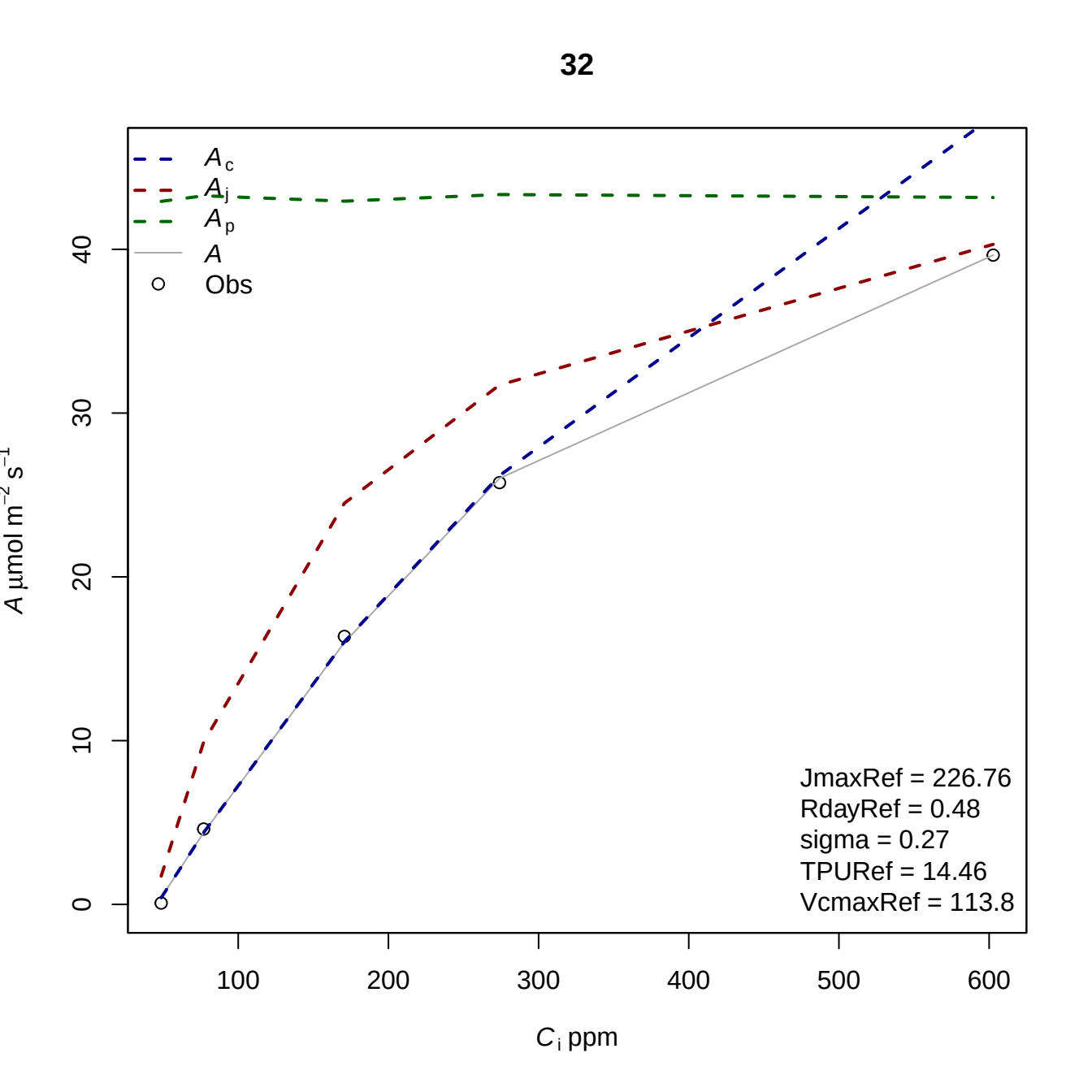

27
A_c
A_j
A_p
A
Obs
JmaxRef = 253.45
RdayRef = 0.61
sigma = 0.53
TPURef = 17.5
VcmaxRef = 137.97
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

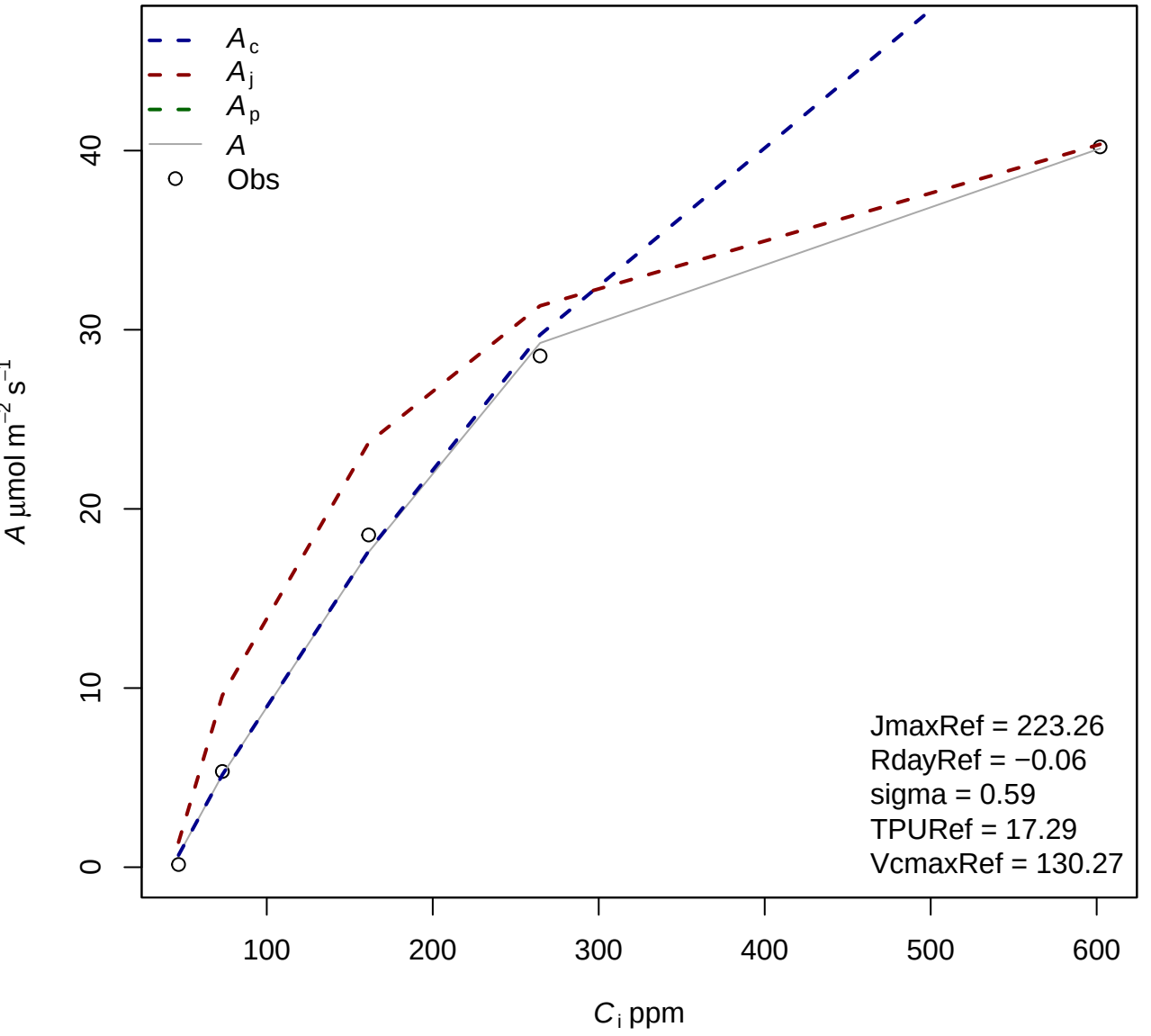

28
A_c
A_j
A_p
A
Obs
JmaxRef = 286.58
RdayRef = 0.61
sigma = 0.36
TPURef = 18.36
VcmaxRef = 148.76
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

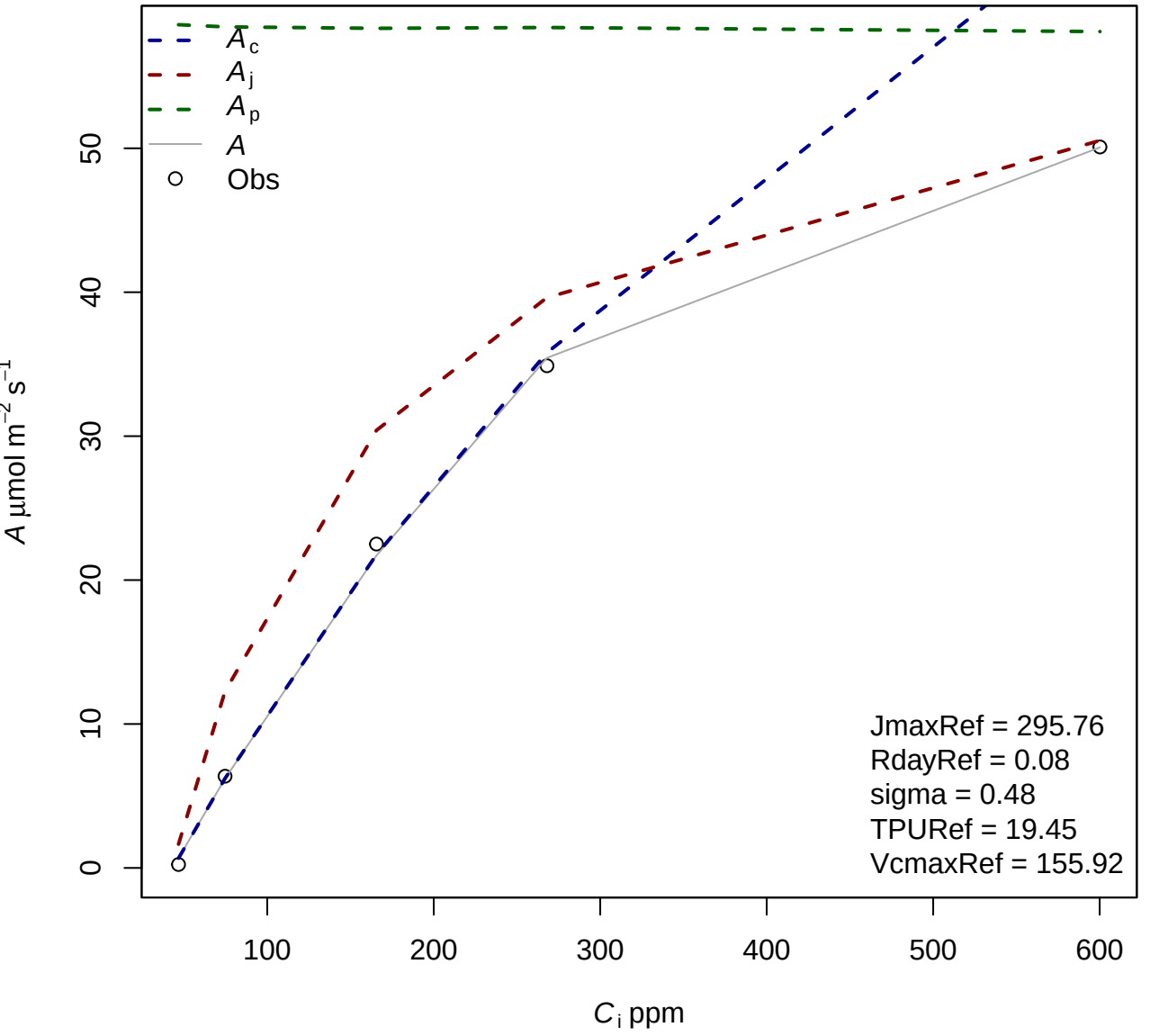

29
A_c
A_j
A_p
A
Obs
JmaxRef = 298.22
RdayRef = 0.12
sigma = 0.43
TPURef = 19.52
VcmaxRef = 155.96
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

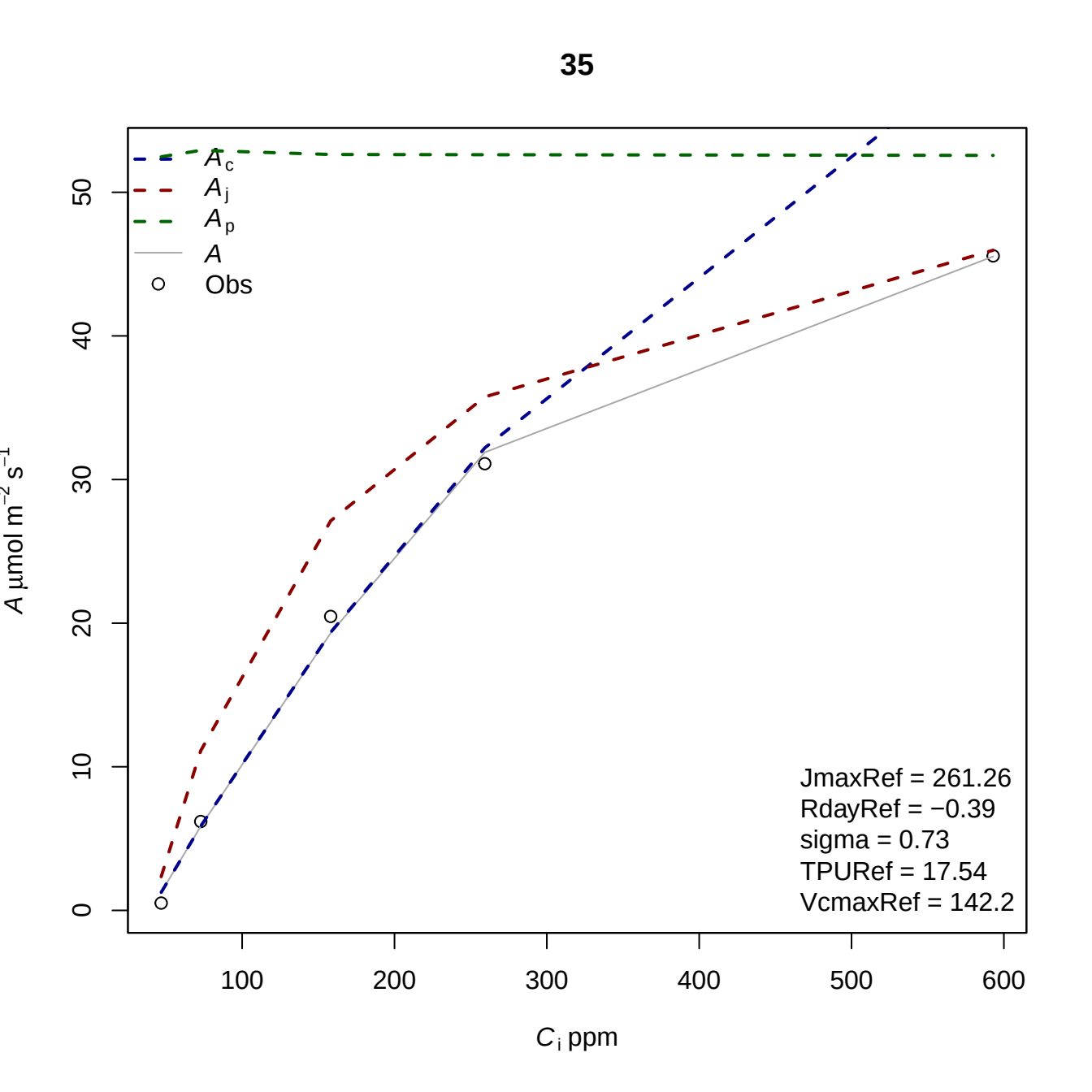

30
A_c
A_j
A_p
A
Obs
JmaxRef = 237.73
RdayRef = 0.68
sigma = 0.39
TPURef = 17.56
VcmaxRef = 130.53
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

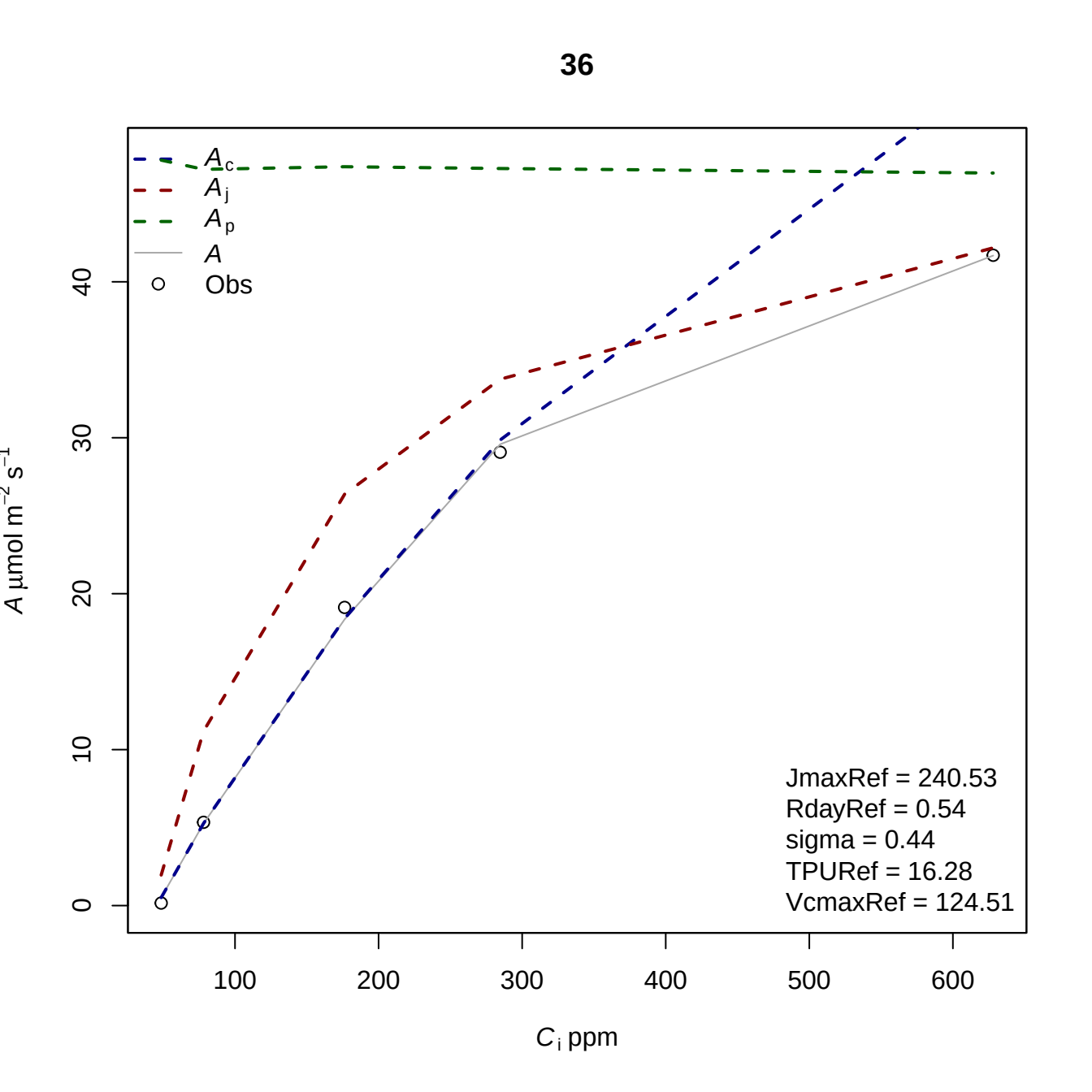

A_c
A_j
A_p
A
Obs
JmaxRef = 192.4
RdayRef = −0.2
sigma = 0.42
TPURef = 21.38
VcmaxRef = 117.1
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

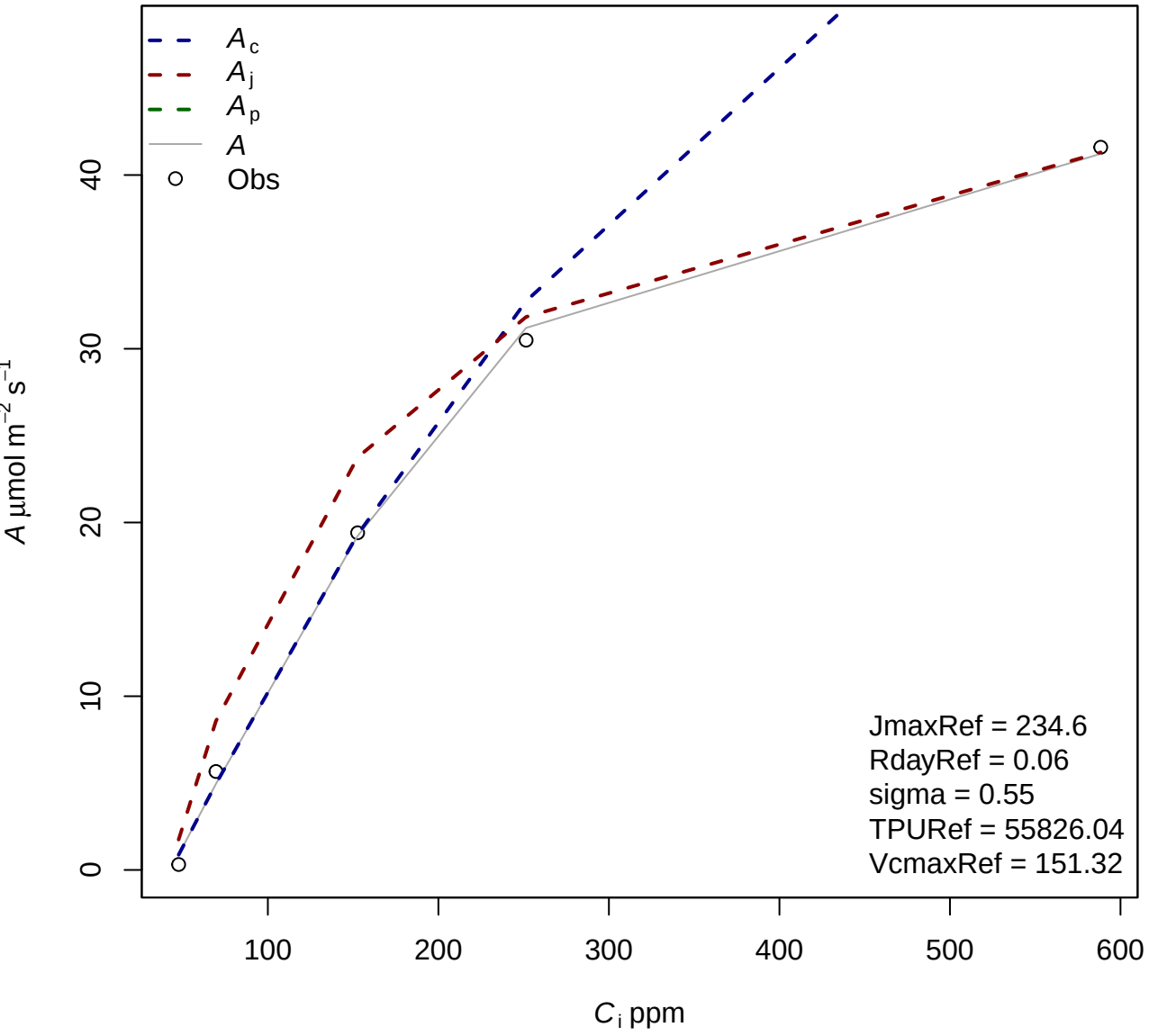

32
A_c
A_j
A_p
A
Obs
JmaxRef = 226.76
RdayRef = 0.48
sigma = 0.27
TPURef = 14.46
VcmaxRef = 113.8
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
600
C_i ppm

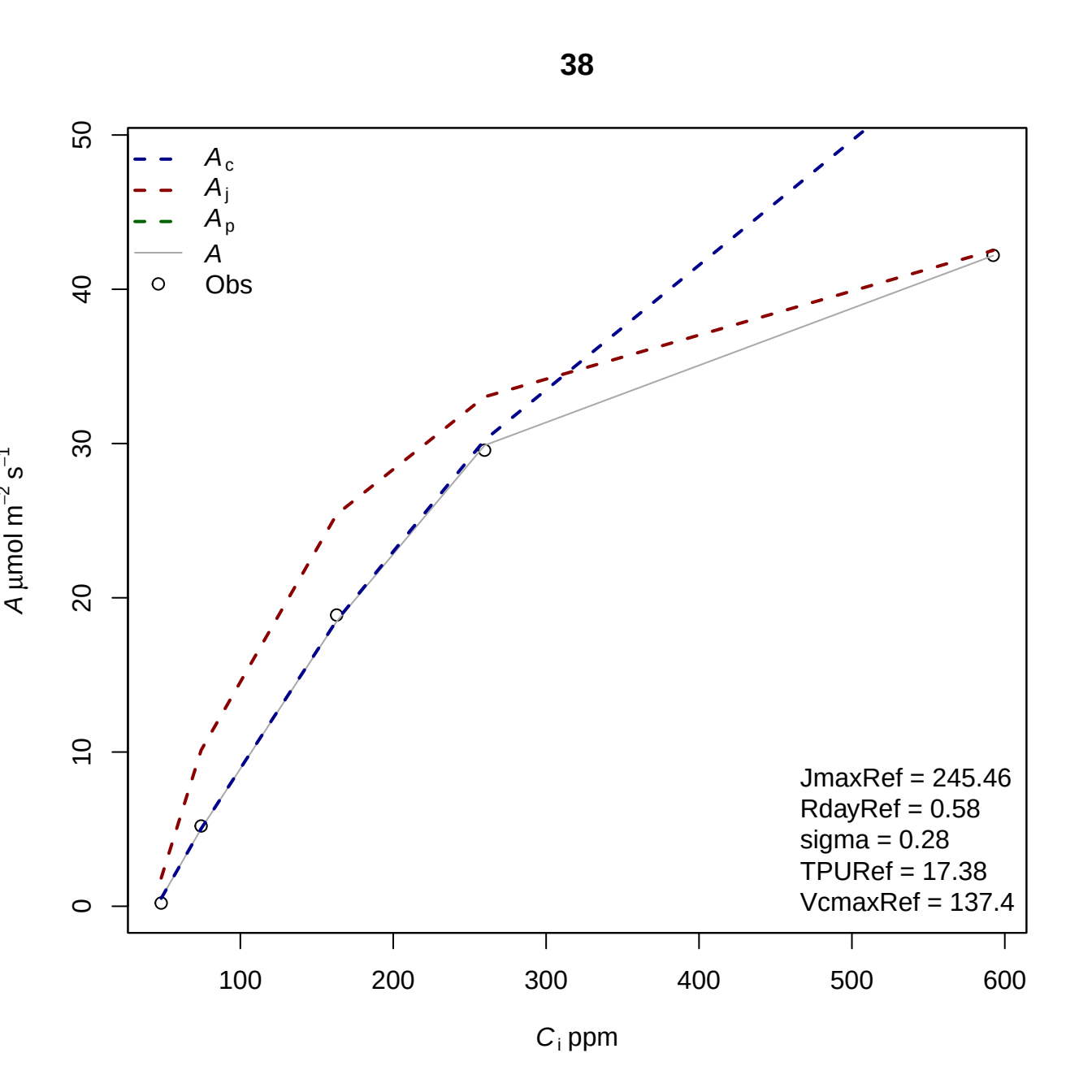

A_c
A_j
A_p
A
Obs
JmaxRef = 223.26
RdayRef = −0.06
sigma = 0.59
TPURef = 17.29
VcmaxRef = 130.27
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

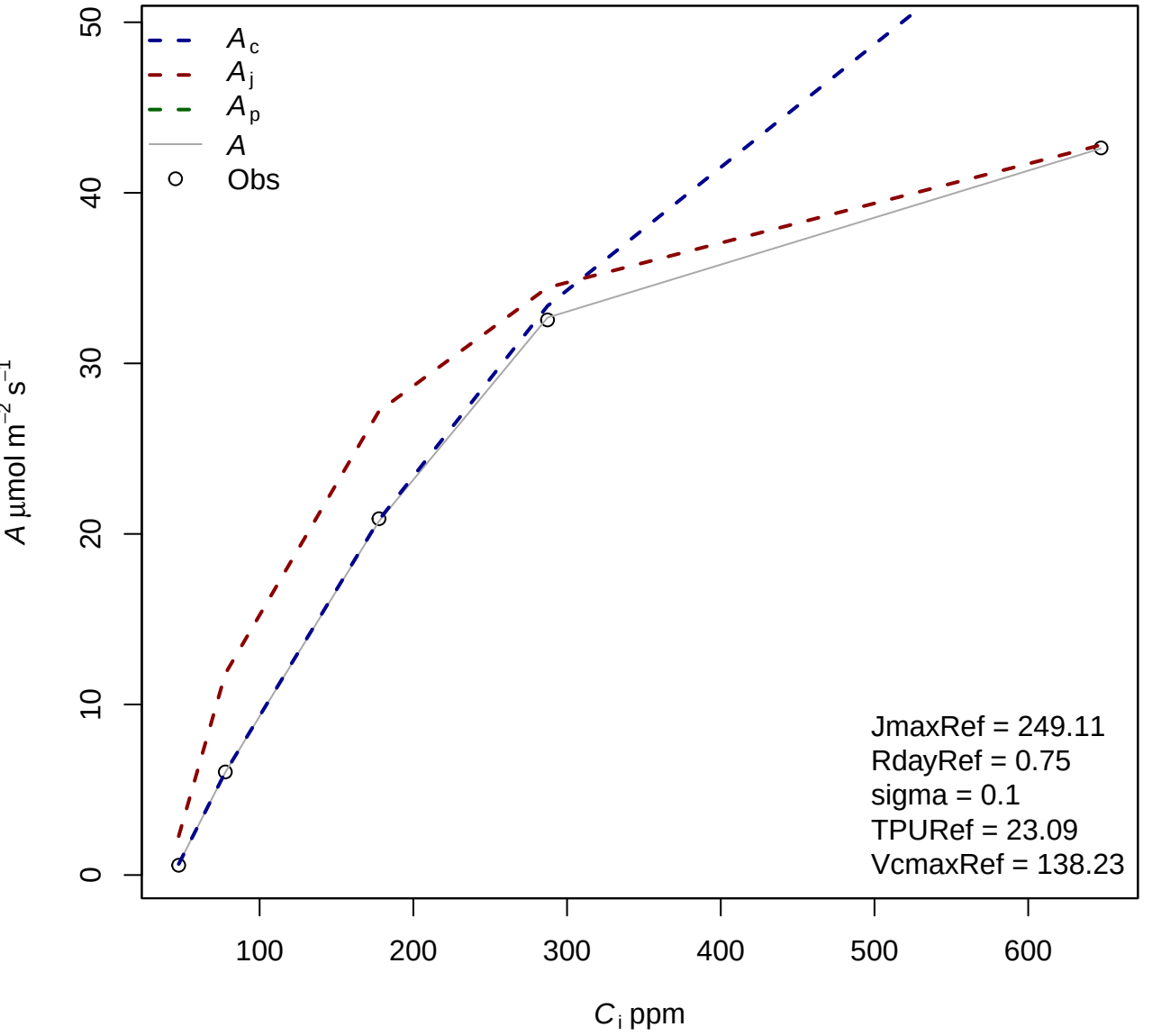

A_c
A_j
A_p
A
Obs
JmaxRef = 295.76
RdayRef = 0.08
sigma = 0.48
TPURef = 19.45
VcmaxRef = 155.92
0
10
20
30
40
50
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

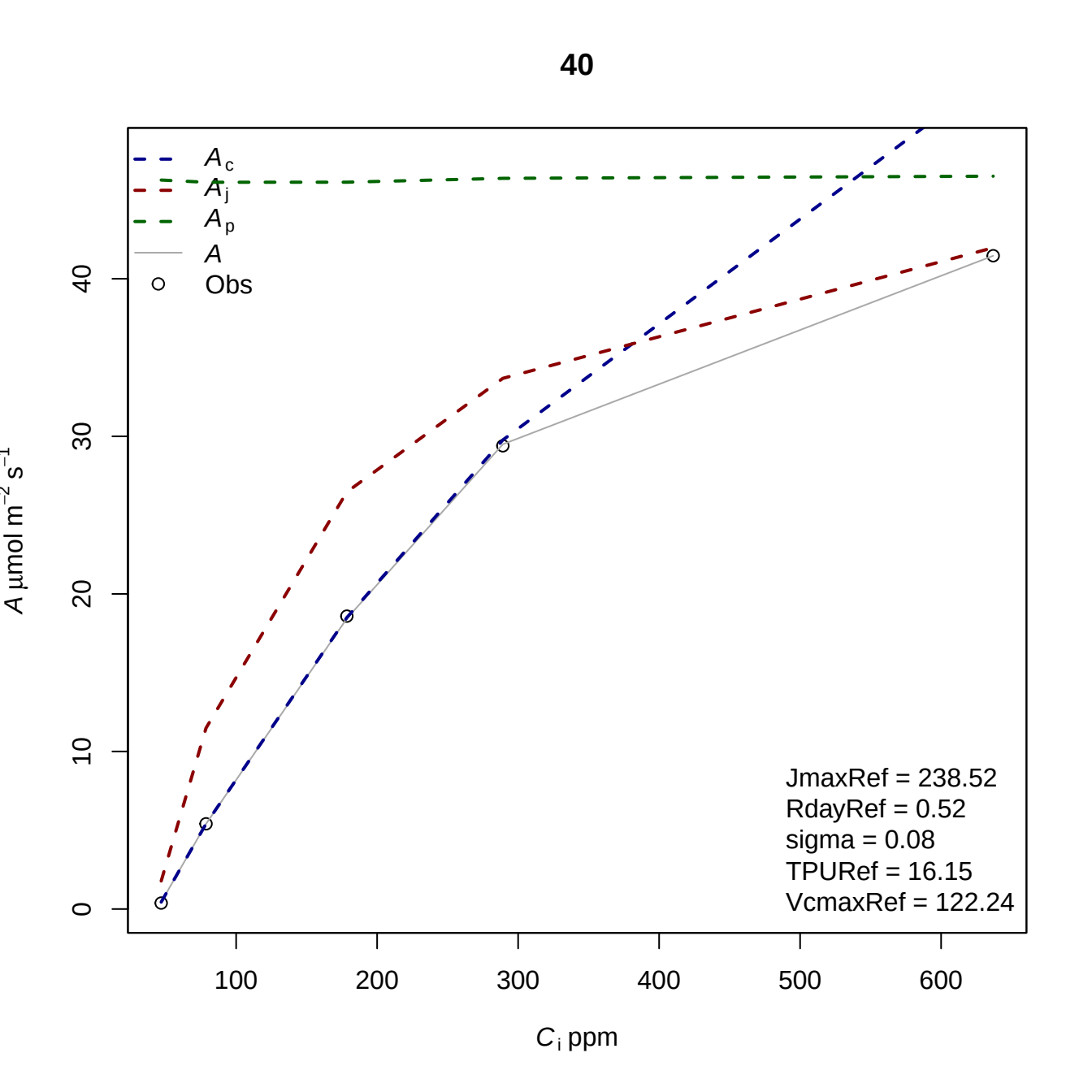

35
A_c
A_j
A_p
A
Obs
JmaxRef = 261.26
RdayRef = −0.39
sigma = 0.73
TPURef = 17.54
VcmaxRef = 142.2
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

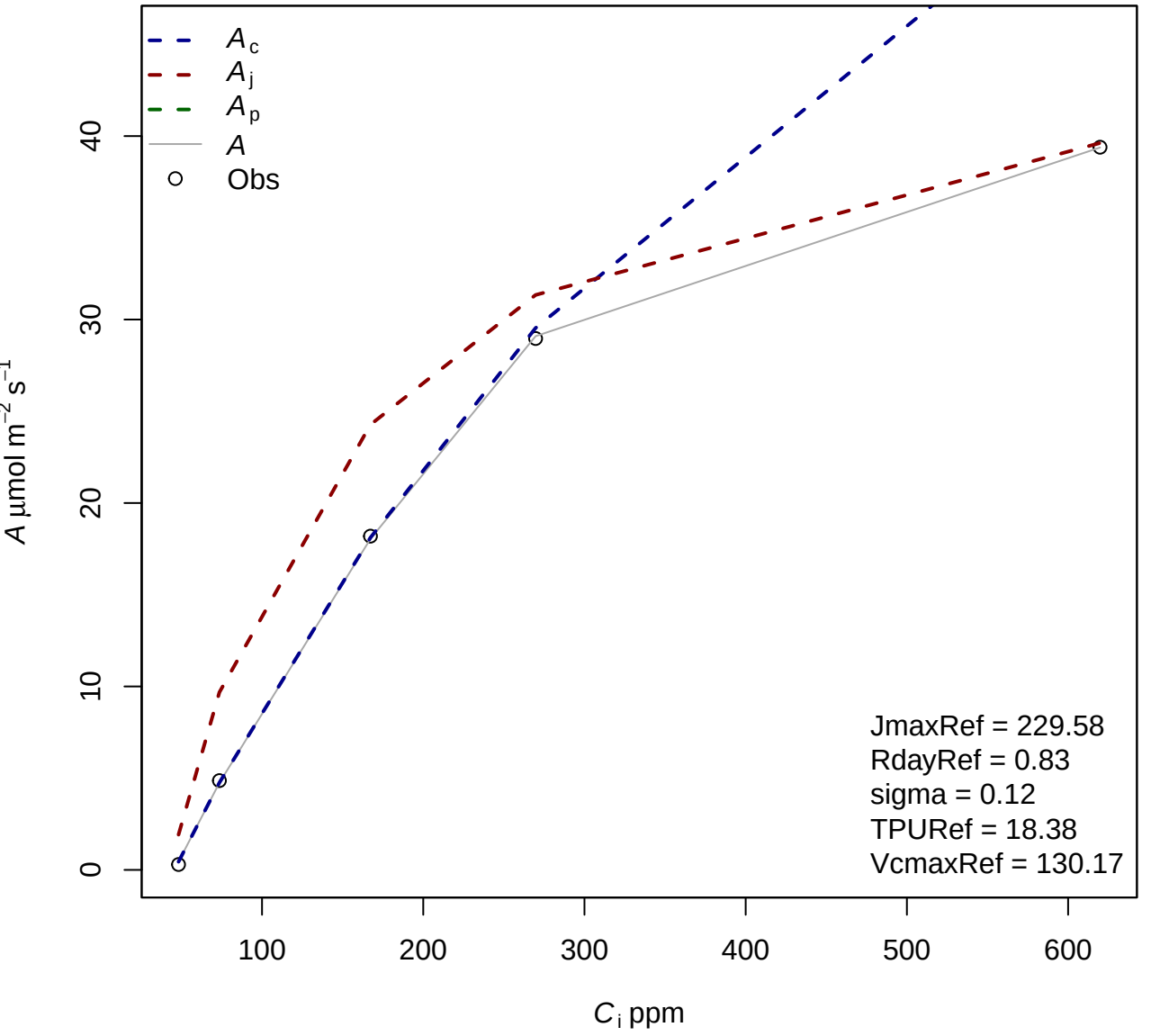

36
A_c
A_j
A_p
A
Obs
JmaxRef = 240.53
RdayRef = 0.54
sigma = 0.44
TPURef = 16.28
VcmaxRef = 124.51
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

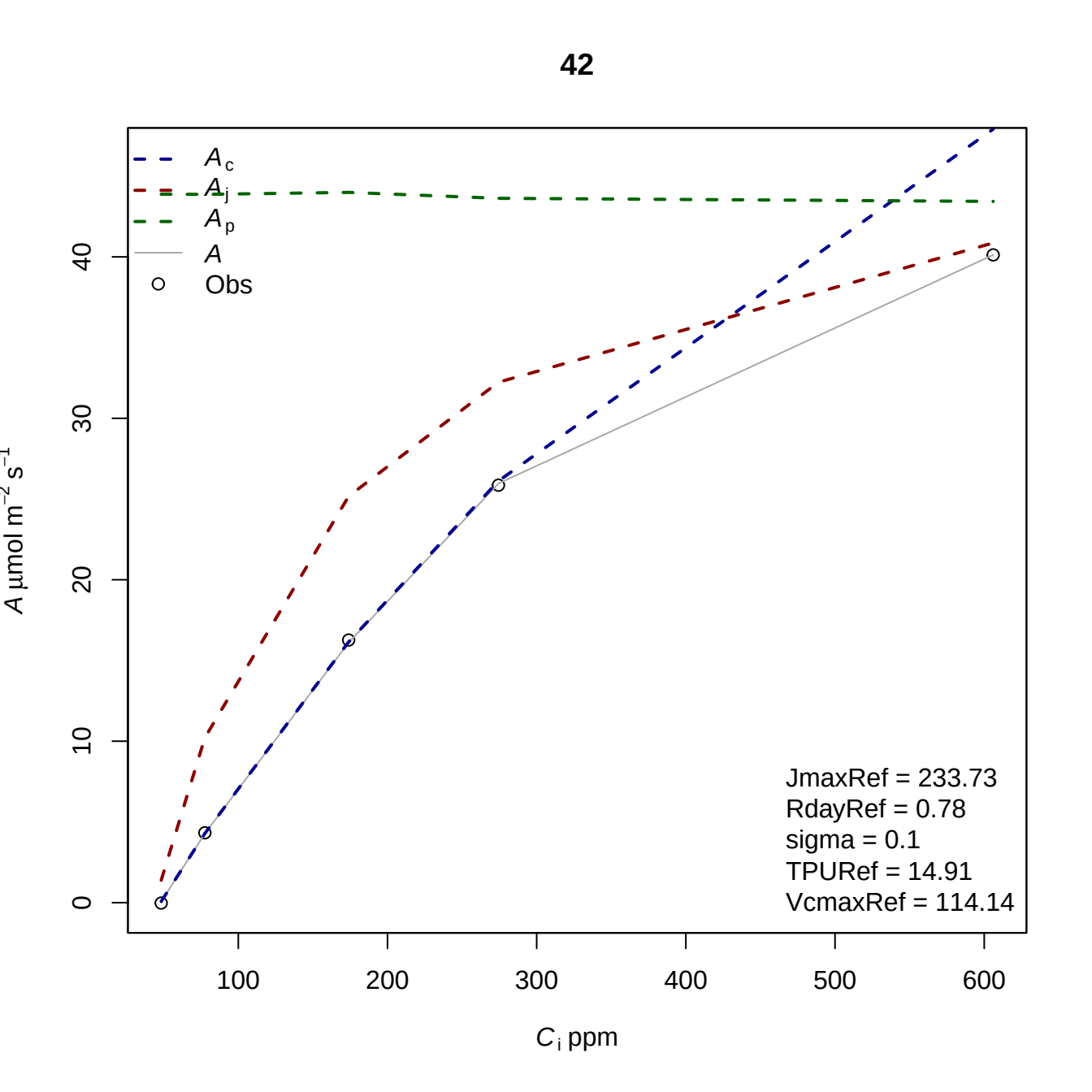

A_c
A_j
A_p
A
Obs
JmaxRef = 234.6
RdayRef = 0.06
sigma = 0.55
TPURef = 55826.04
VcmaxRef = 151.32
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
600
C_i ppm

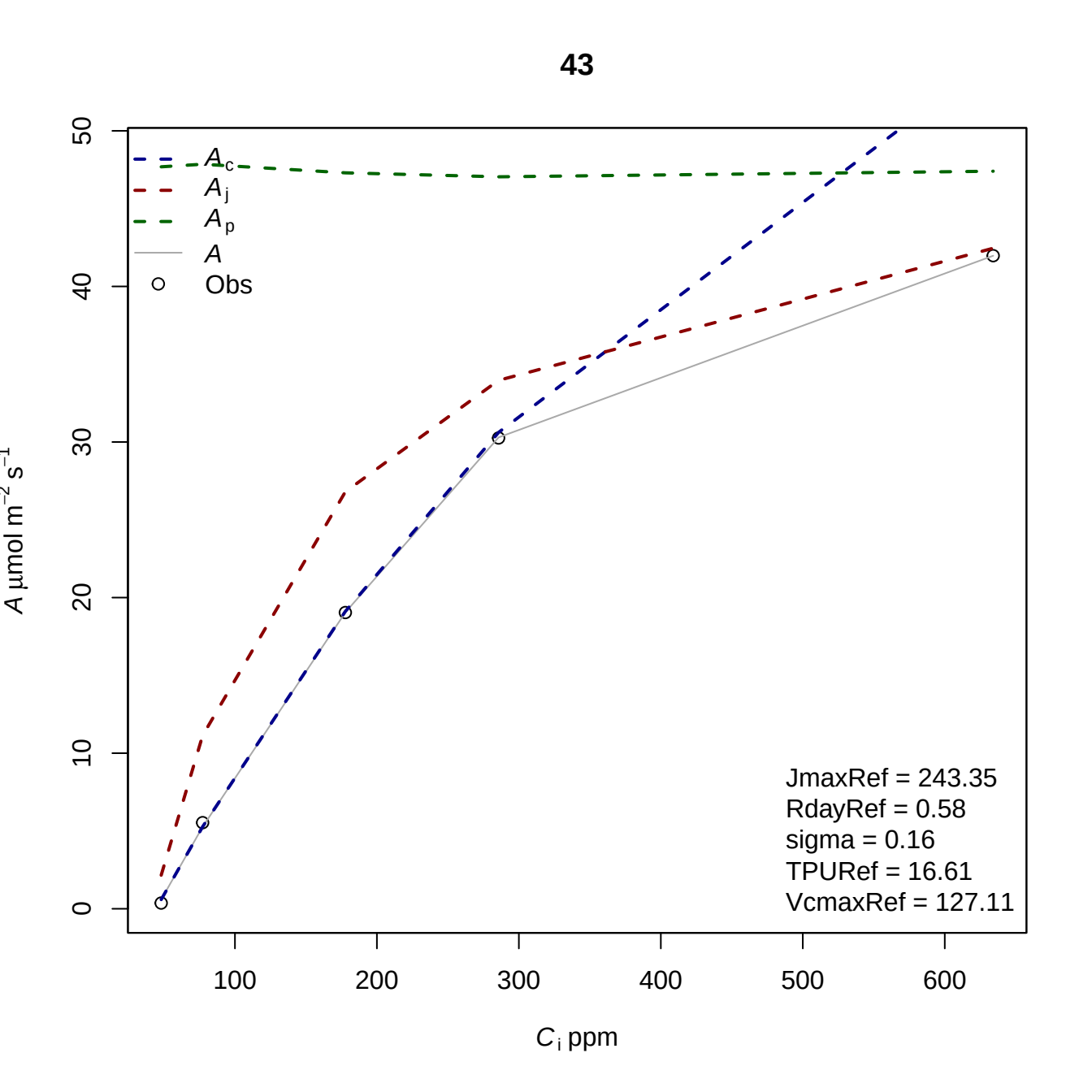

38
A_c
A_j
A_p
A
Obs
JmaxRef = 245.46
RdayRef = 0.58
sigma = 0.28
TPURef = 17.38
VcmaxRef = 137.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

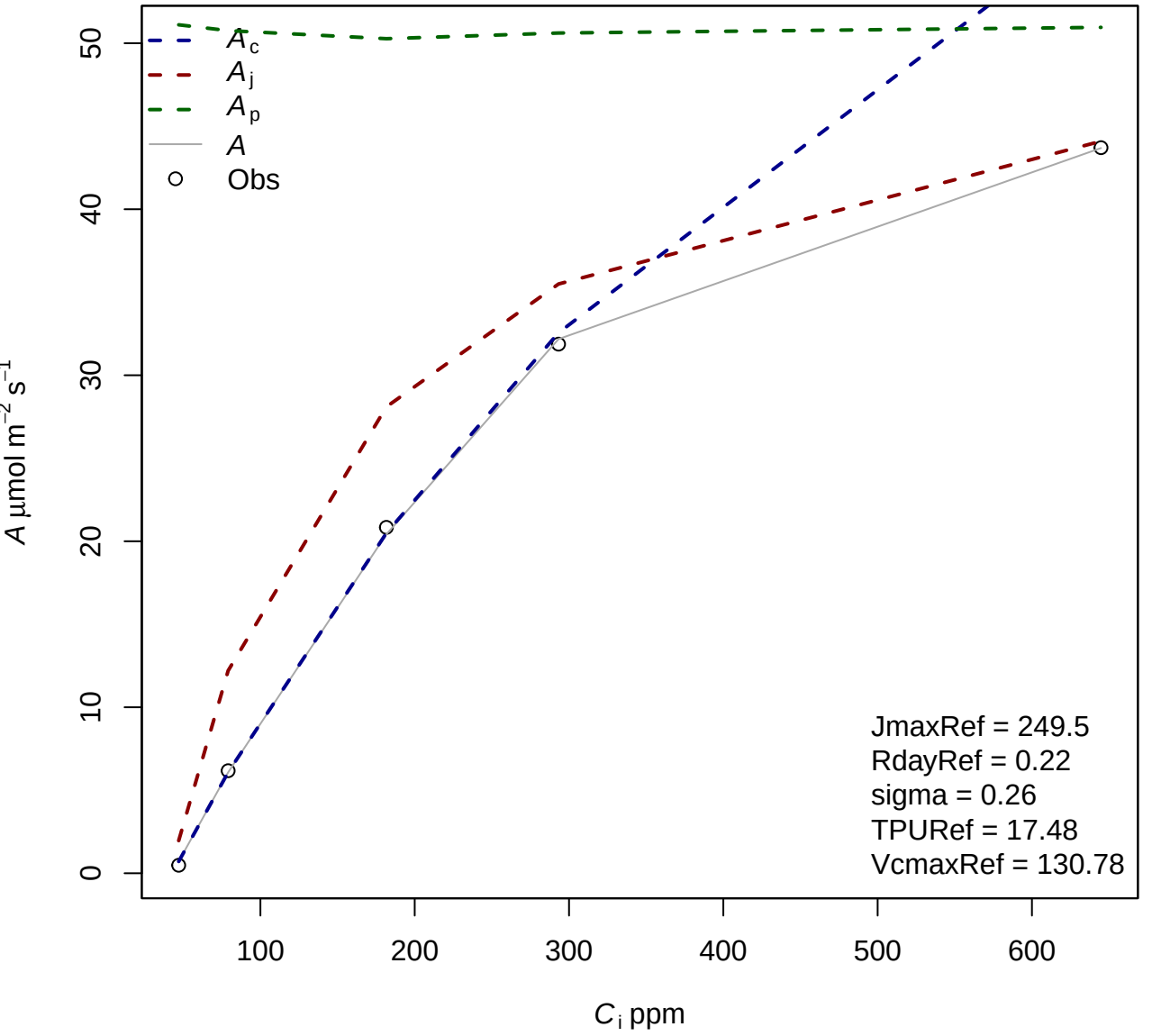

A_c
A_j
A_p
A
Obs
JmaxRef = 249.11
RdayRef = 0.75
sigma = 0.1
TPURef = 23.09
VcmaxRef = 138.23
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

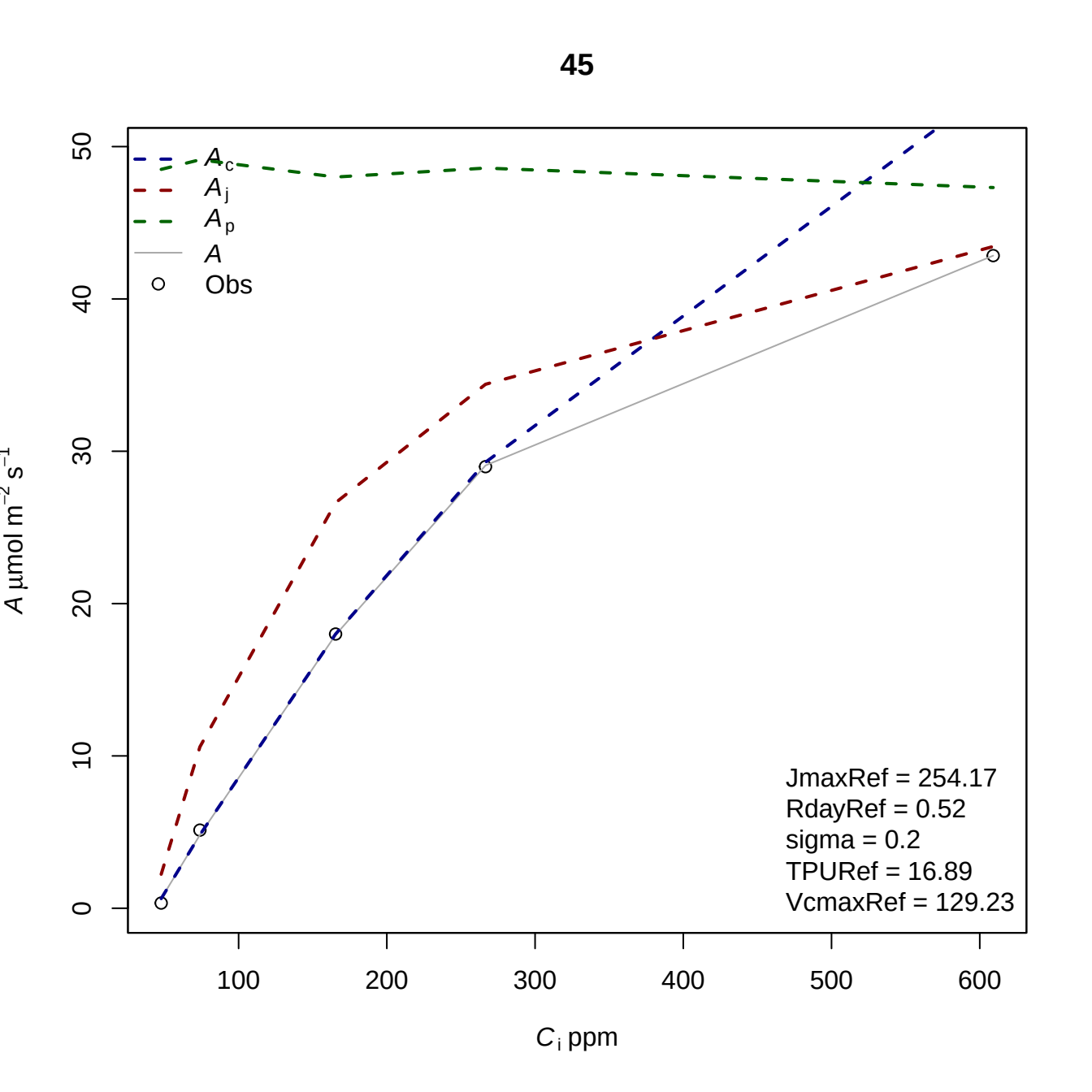

40
A_c
A_j
A_p
A
Obs
JmaxRef = 238.52
RdayRef = 0.52
sigma = 0.08
TPURef = 16.15
VcmaxRef = 122.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

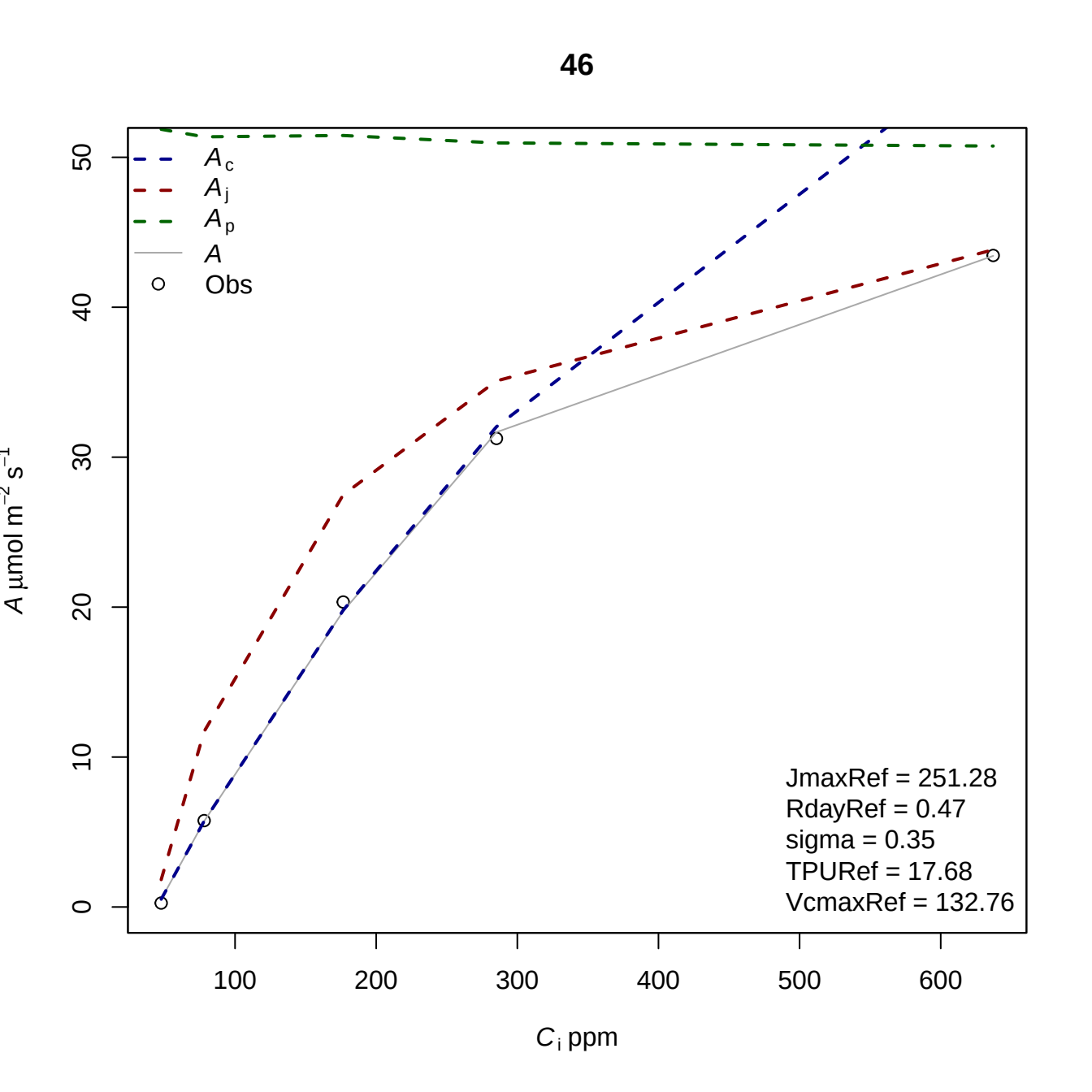

A_c
A_j
A_p
A
Obs
JmaxRef = 229.58
RdayRef = 0.83
sigma = 0.12
TPURef = 18.38
VcmaxRef = 130.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

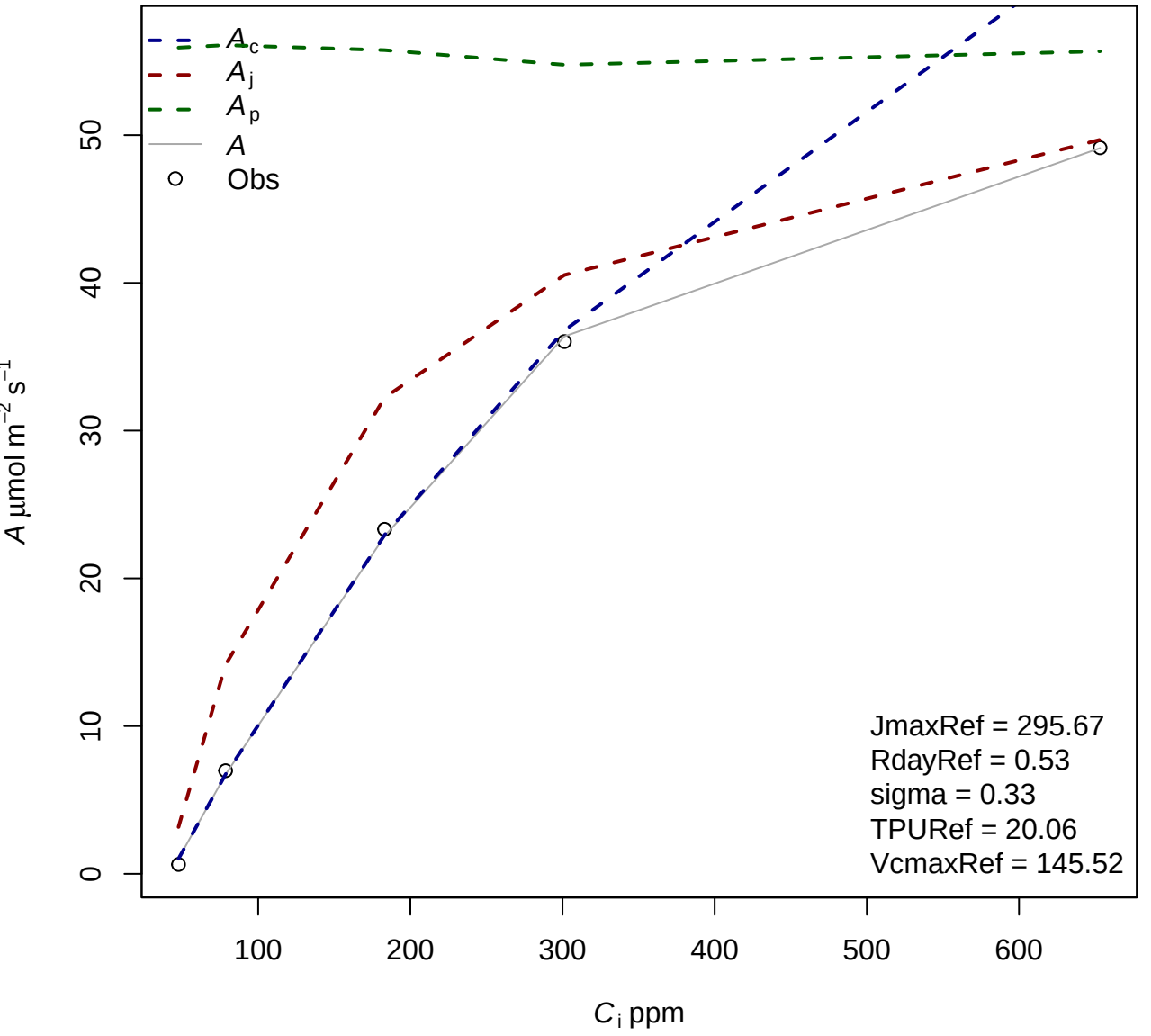

42
A_c
A_j
A_p
A
Obs
JmaxRef = 233.73
RdayRef = 0.78
sigma = 0.1
TPURef = 14.91
VcmaxRef = 114.14
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

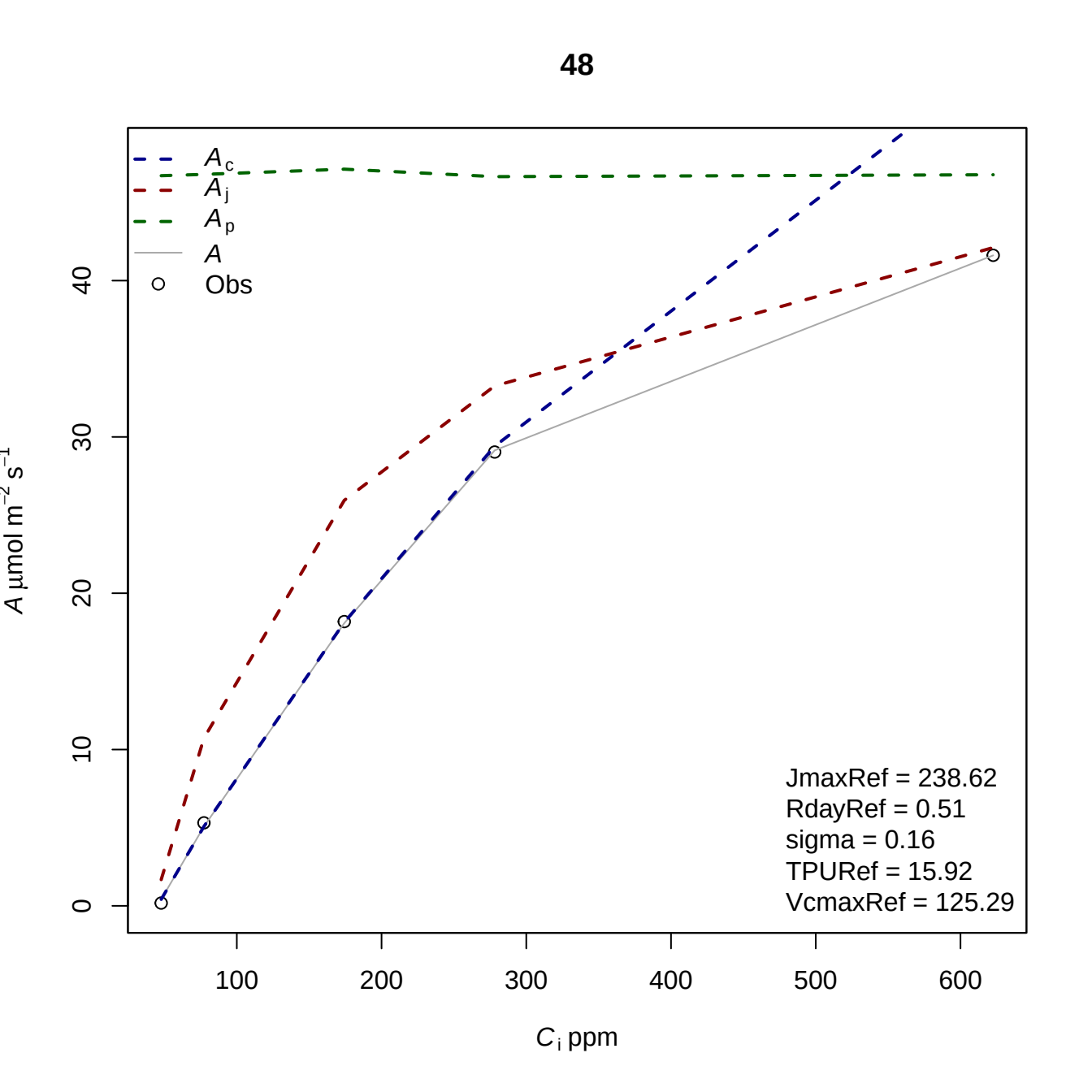

43
A_c
A_j
A_p
A
Obs
JmaxRef = 243.35
RdayRef = 0.58
sigma = 0.16
TPURef = 16.61
VcmaxRef = 127.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

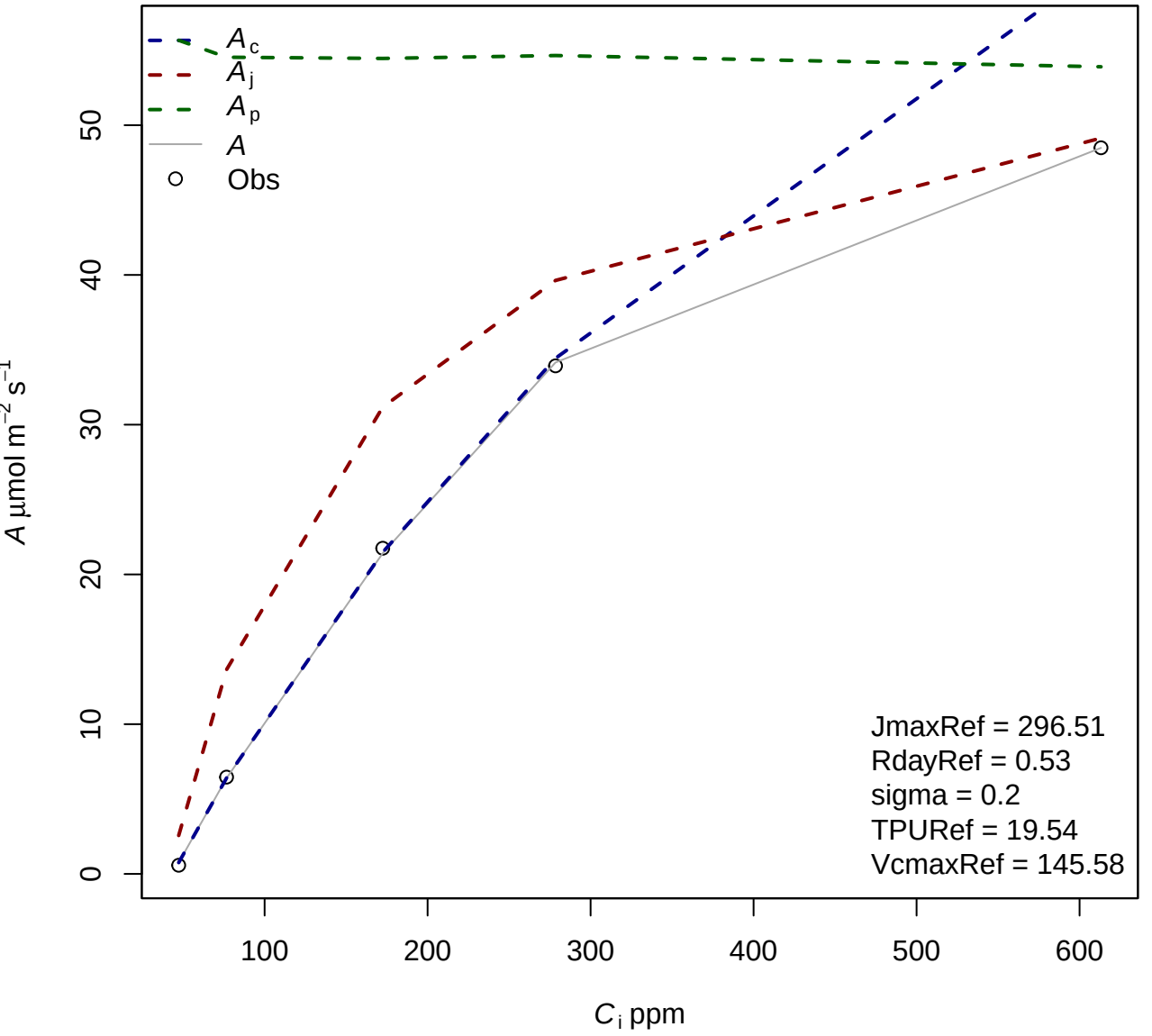

A_c
A_j
A_p
A
Obs
JmaxRef = 249.5
RdayRef = 0.22
sigma = 0.26
TPURef = 17.48
VcmaxRef = 130.78
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

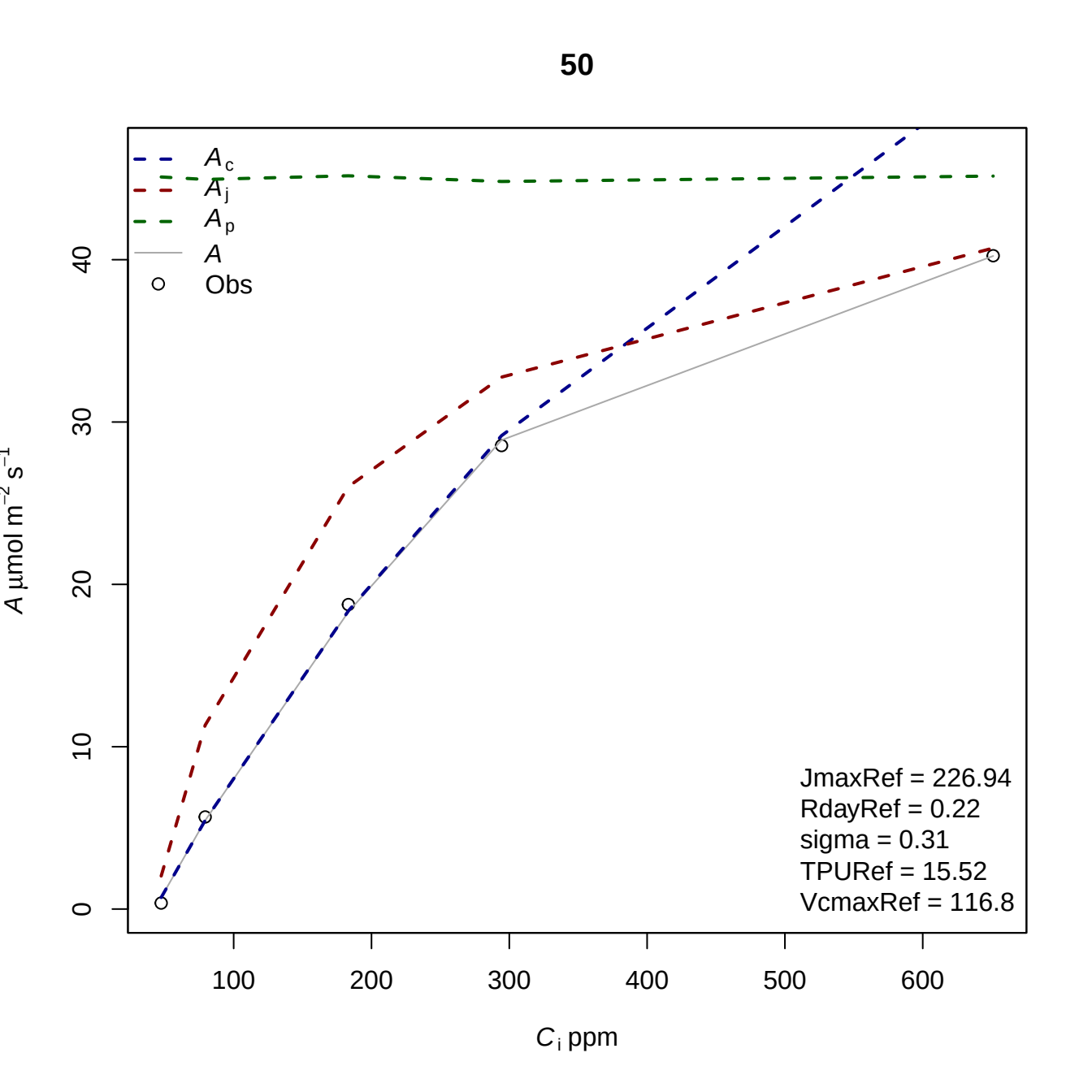

45
A_c
A_j
A_p
A
Obs
JmaxRef = 254.17
RdayRef = 0.52
sigma = 0.2
TPURef = 16.89
VcmaxRef = 129.23
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

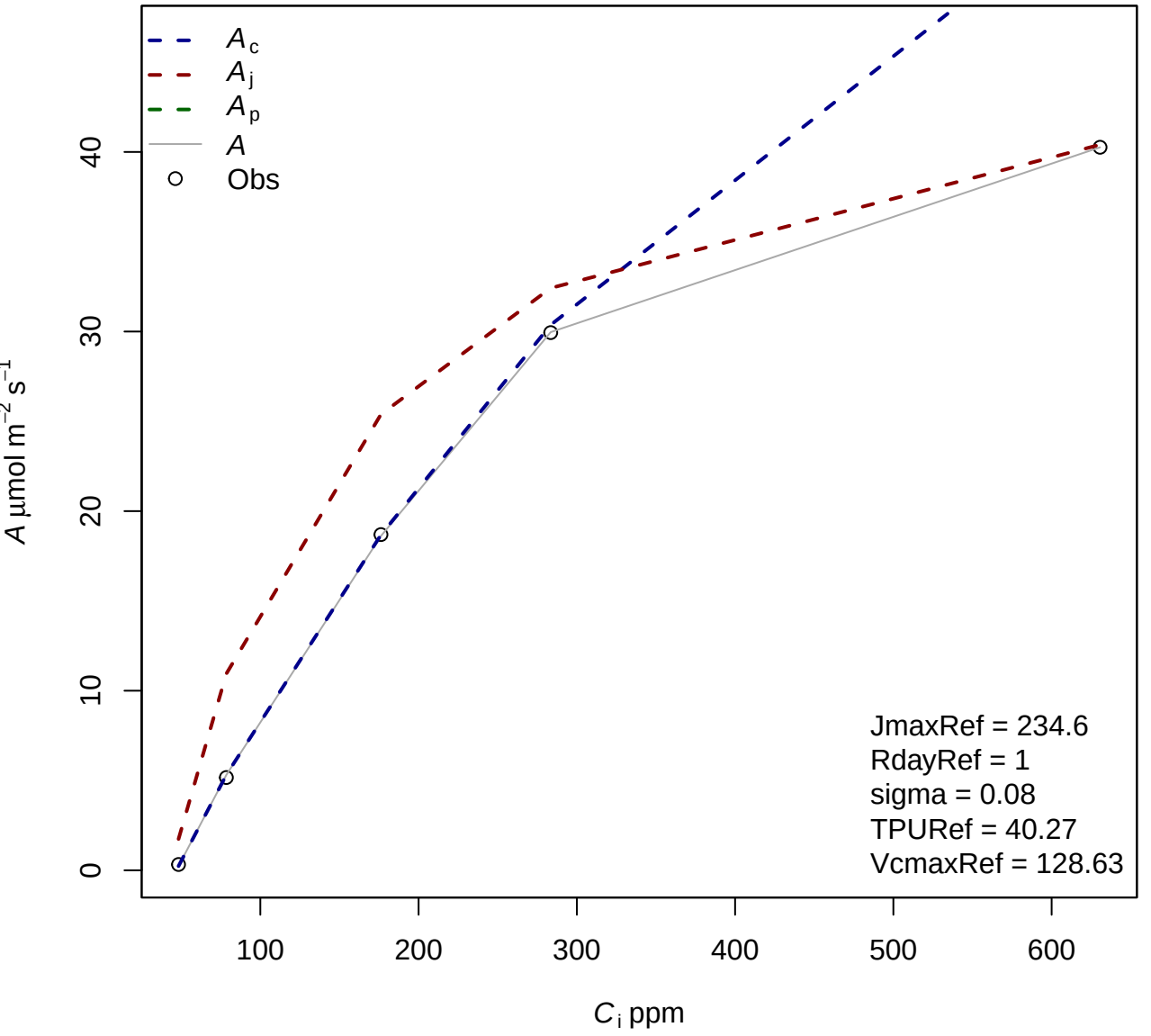

46
A_c
A_j
A_p
A
Obs
JmaxRef = 251.28
RdayRef = 0.47
sigma = 0.35
TPURef = 17.68
VcmaxRef = 132.76
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

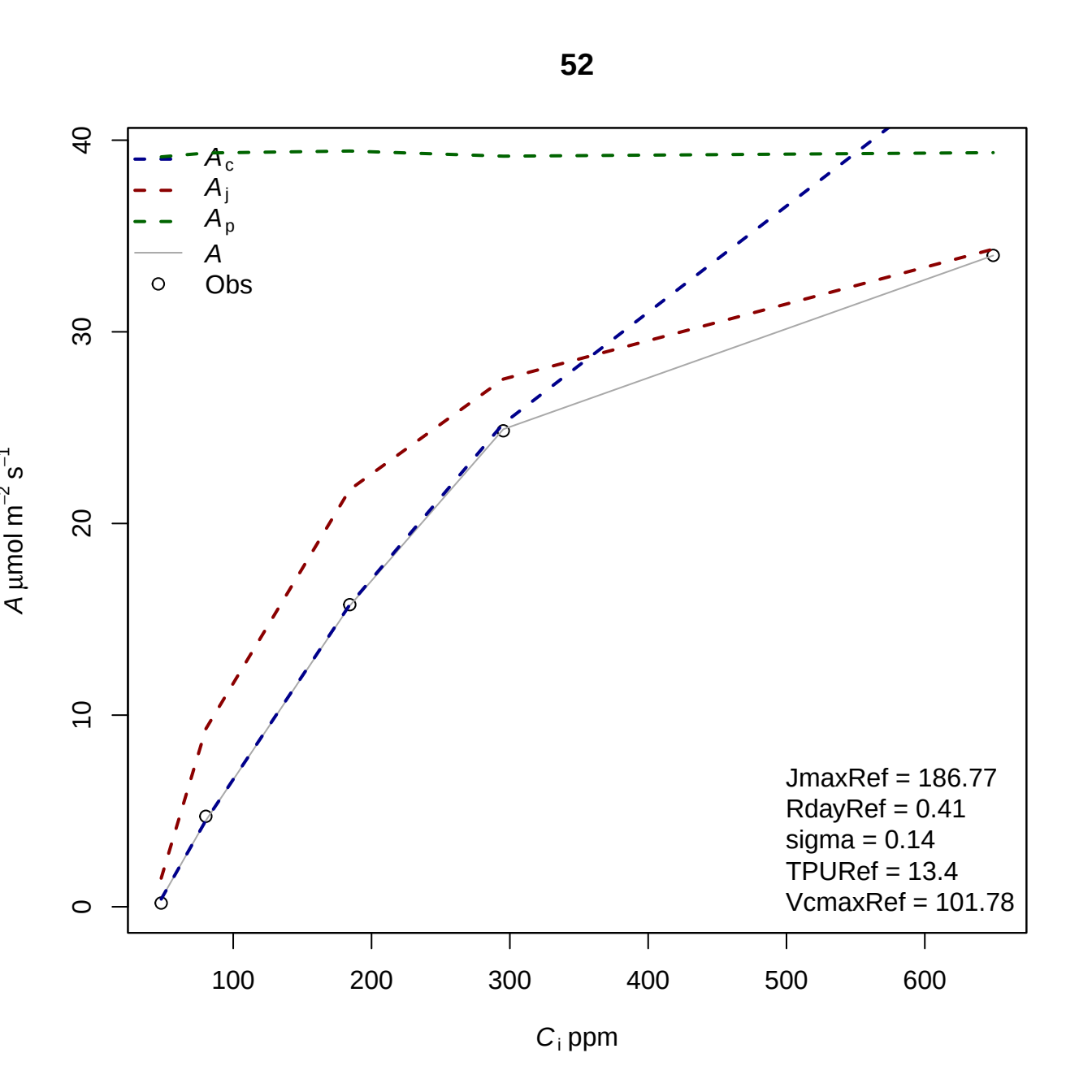

A_c
A_j
A_p
A
Obs
JmaxRef = 295.67
RdayRef = 0.53
sigma = 0.33
TPURef = 20.06
VcmaxRef = 145.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

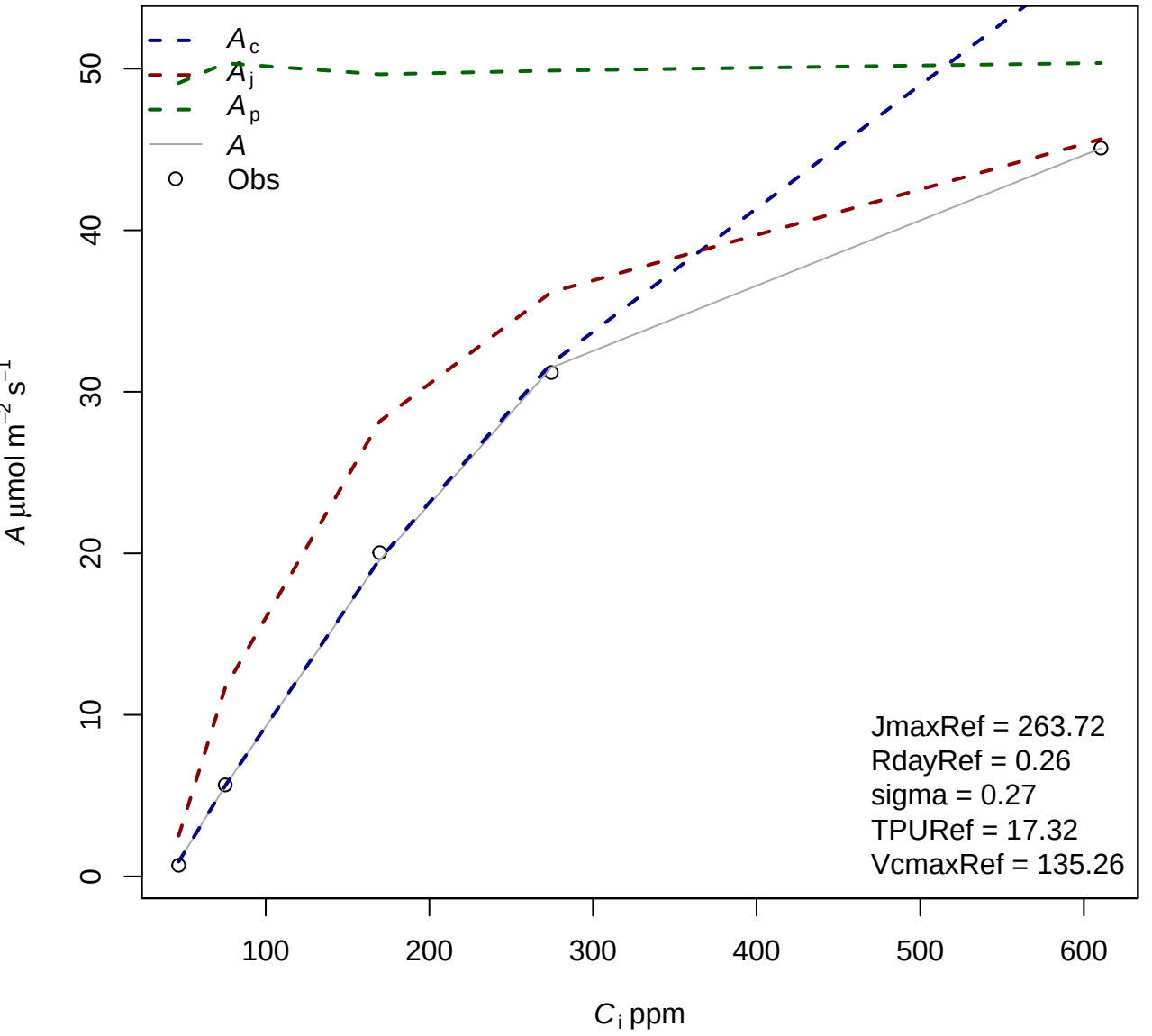

48
A_c
A_j
A_p
A
Obs
JmaxRef = 238.62
RdayRef = 0.51
sigma = 0.16
TPURef = 15.92
VcmaxRef = 125.29
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

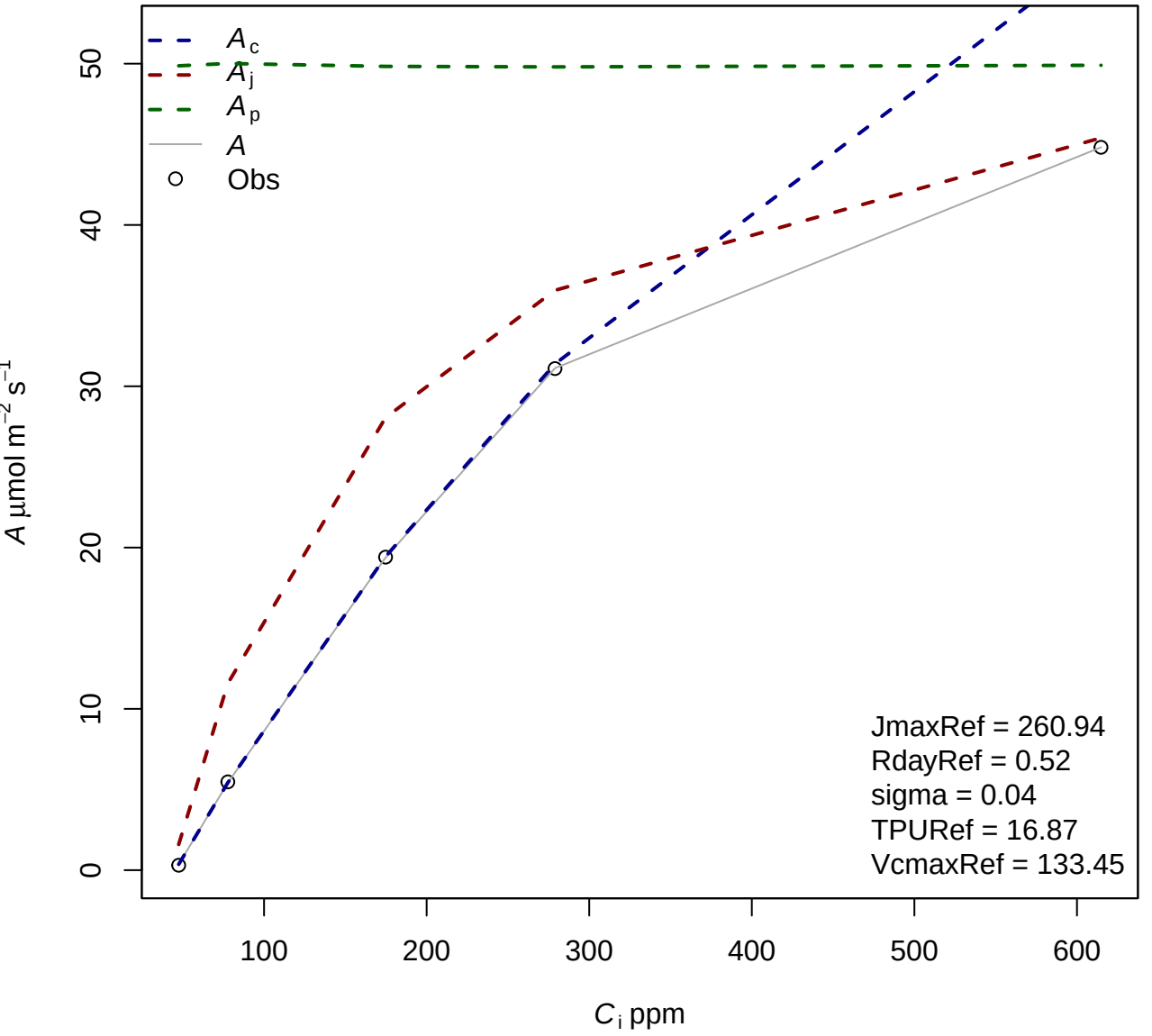

A_c
A_j
A_p
A
Obs
JmaxRef = 296.51
RdayRef = 0.53
sigma = 0.2
TPURef = 19.54
VcmaxRef = 145.58
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

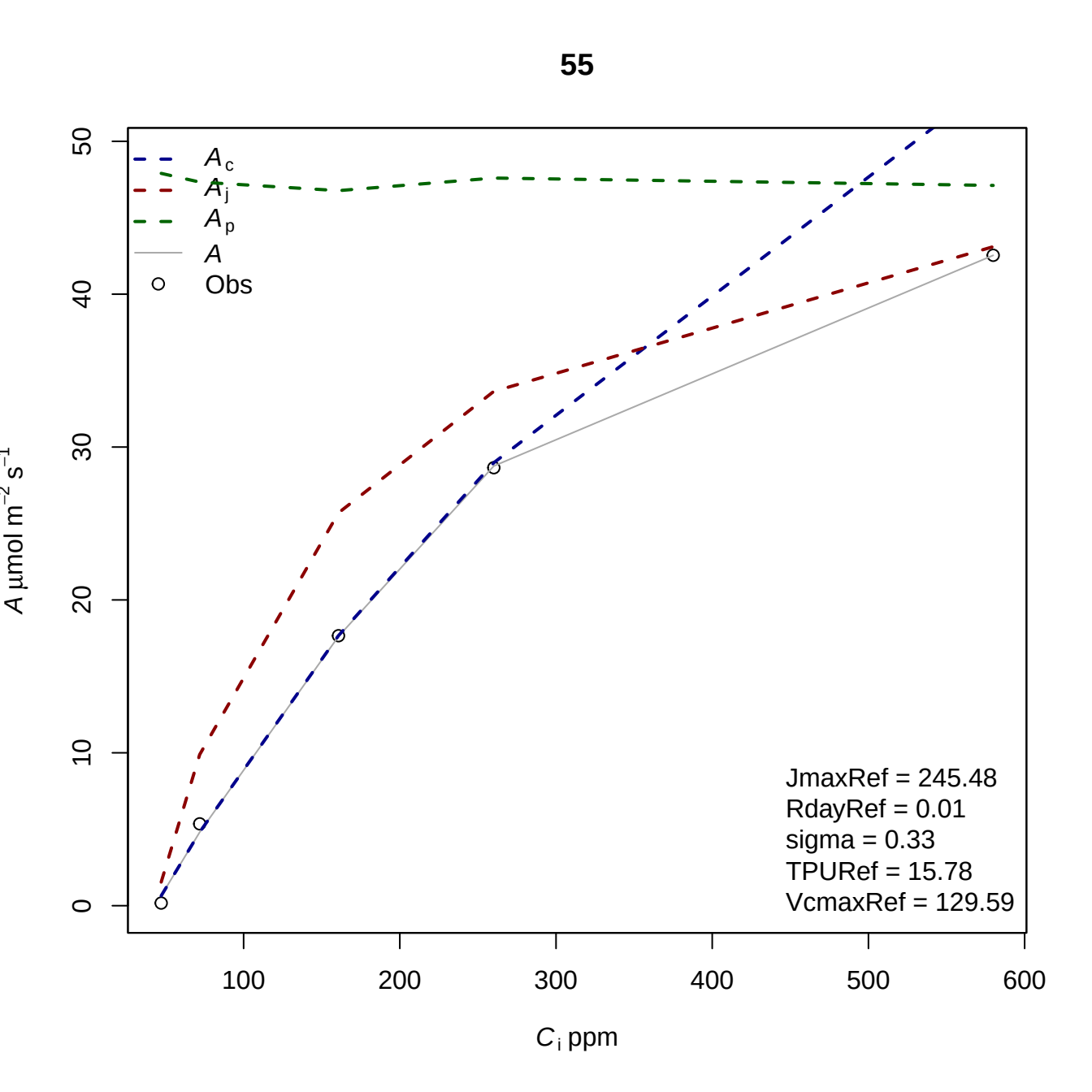

50
A_c
A_j
A_p
A
Obs
JmaxRef = 226.94
RdayRef = 0.22
sigma = 0.31
TPURef = 15.52
VcmaxRef = 116.8
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

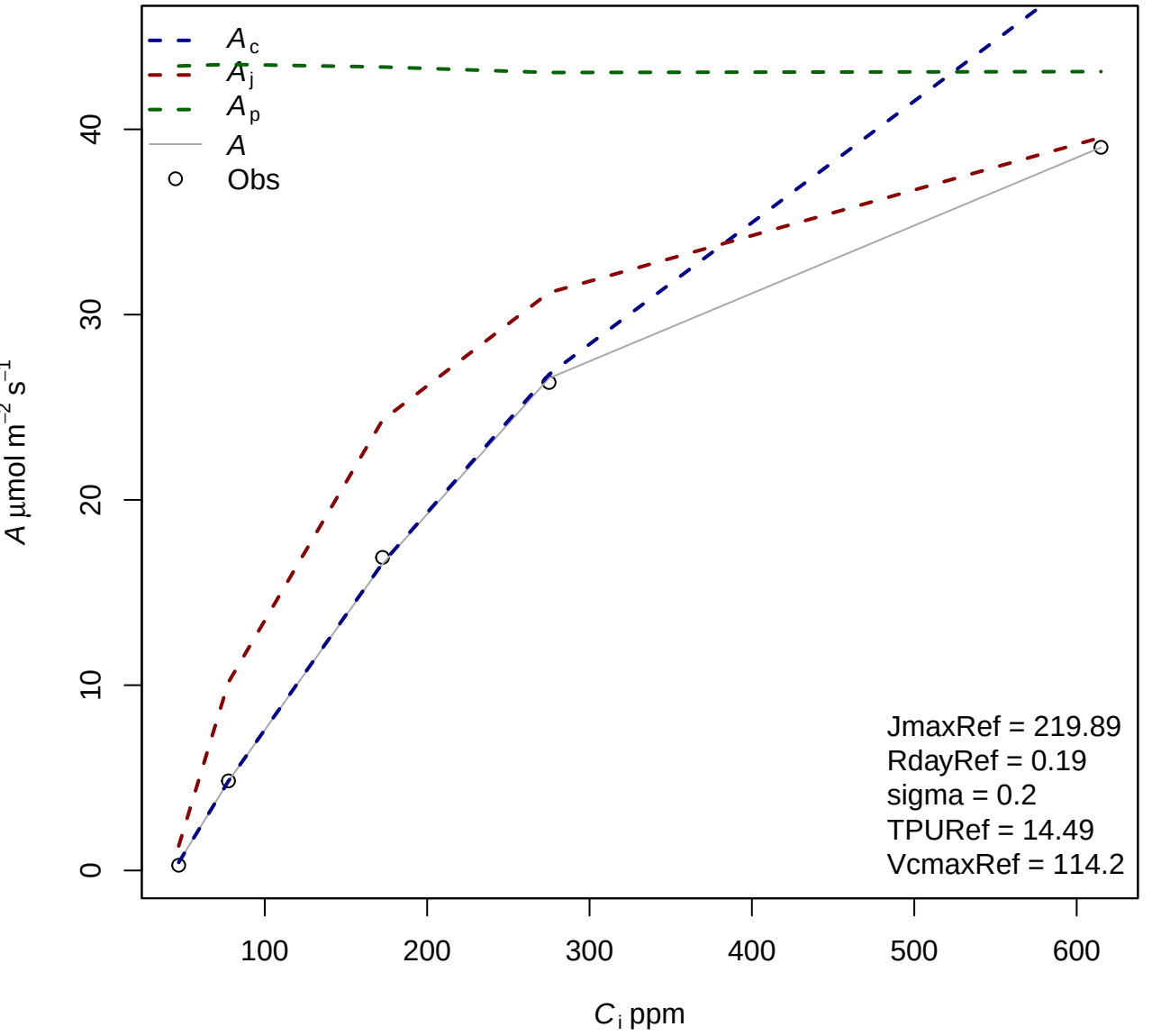

A_c
A_j
A_p
A
Obs
JmaxRef = 234.6
RdayRef = 1
sigma = 0.08
TPURef = 40.27
VcmaxRef = 128.63
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

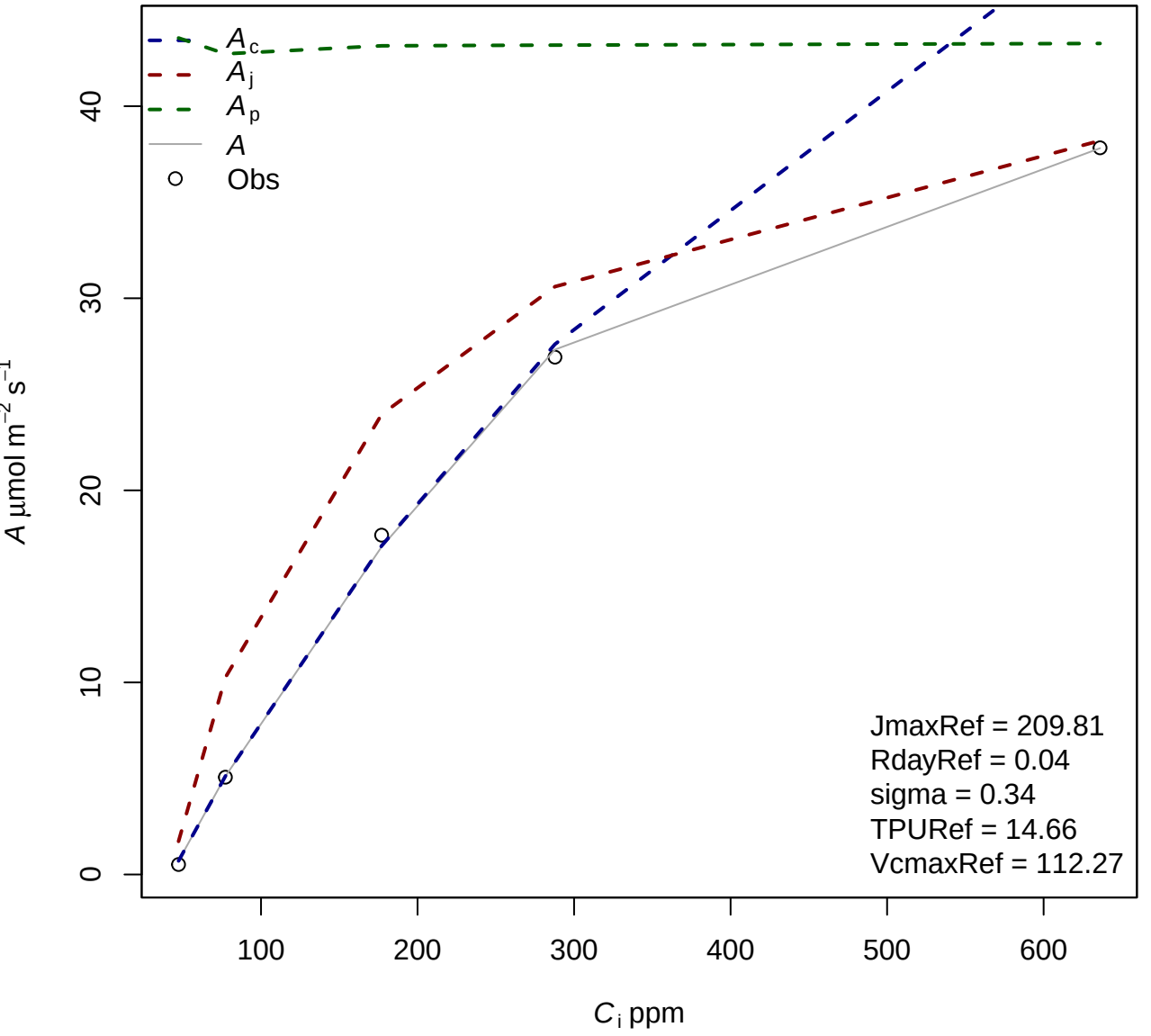

52
A_c
A_j
A_p
A
Obs
JmaxRef = 186.77
RdayRef = 0.41
sigma = 0.14
TPURef = 13.4
VcmaxRef = 101.78
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

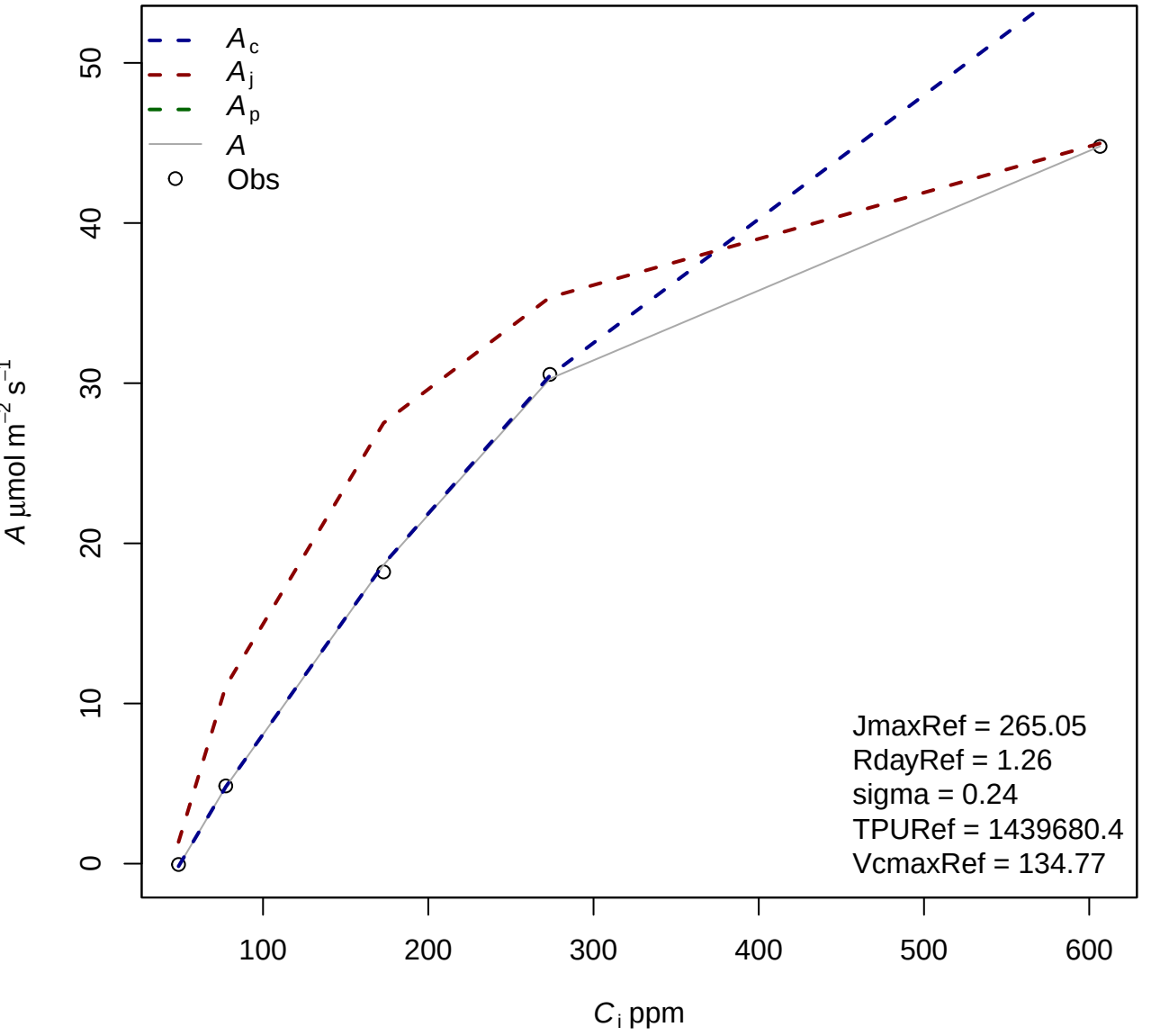

A_c
A_j
A_p
A
Obs
JmaxRef = 263.72
RdayRef = 0.26
sigma = 0.27
TPURef = 17.32
VcmaxRef = 135.26
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

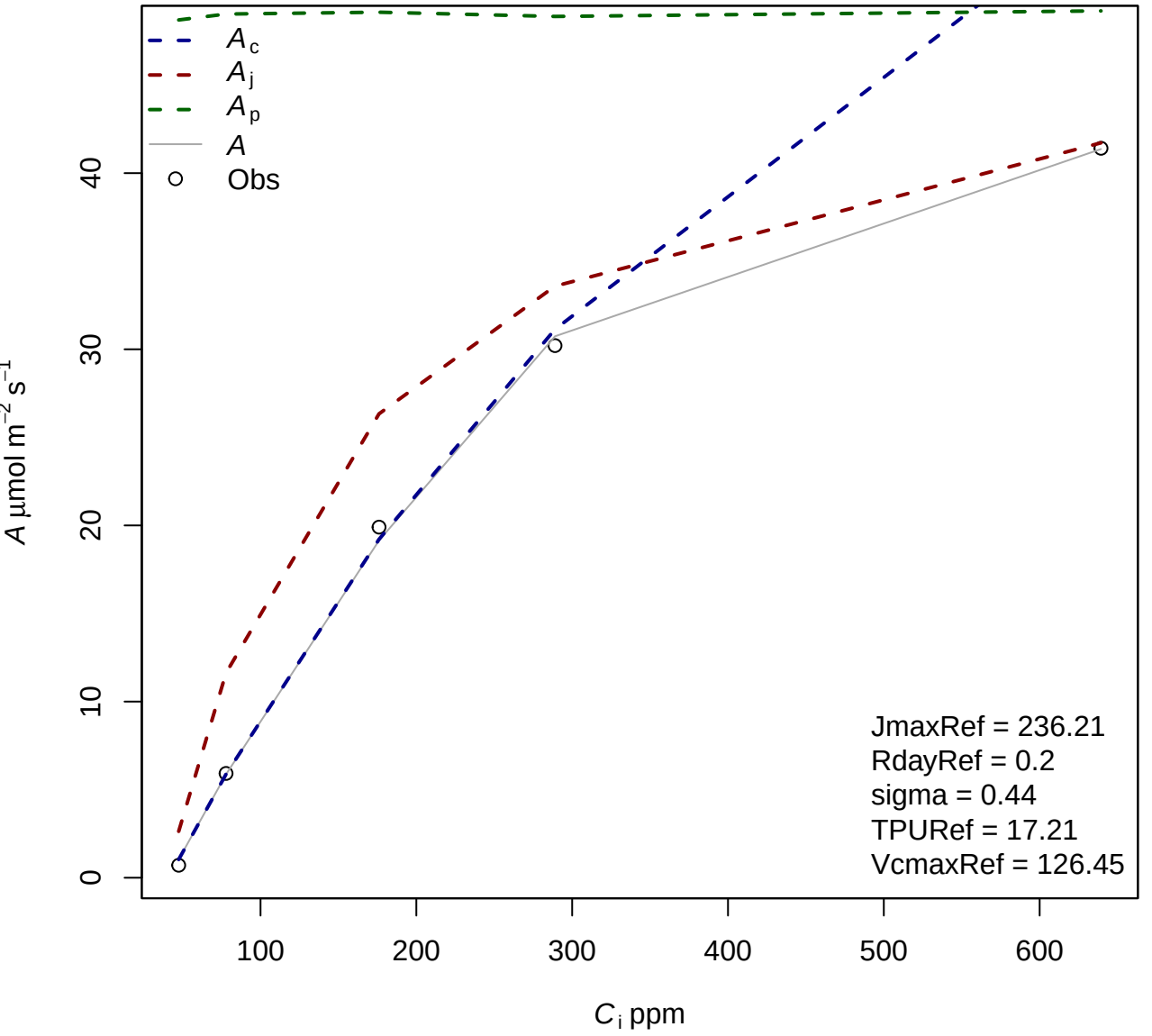

A_c
A_j
A_p
A
Obs
JmaxRef = 260.94
RdayRef = 0.52
sigma = 0.04
TPURef = 16.87
VcmaxRef = 133.45
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

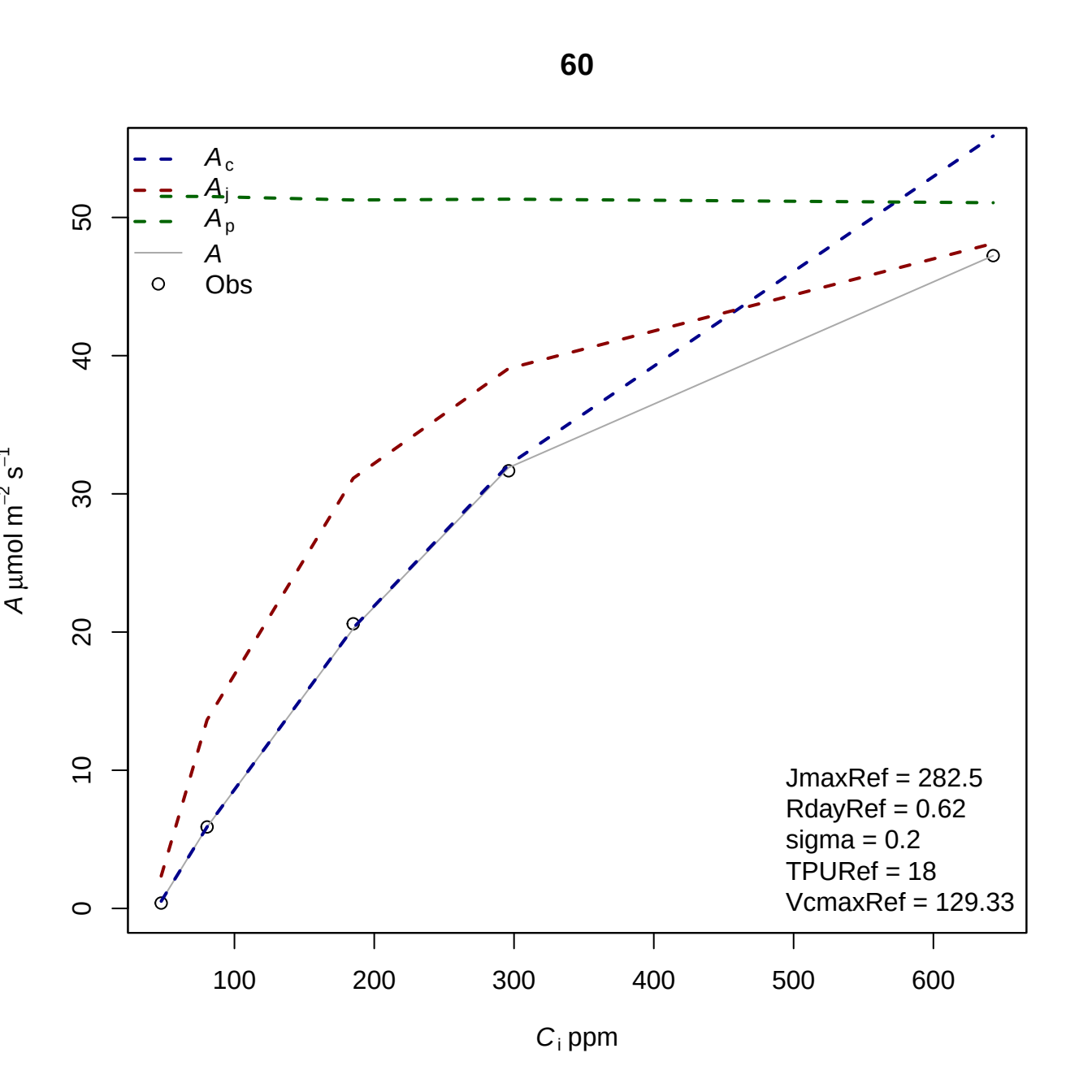

55
A_c
A_j
A_p
A
Obs
JmaxRef = 245.48
RdayRef = 0.01
sigma = 0.33
TPURef = 15.78
VcmaxRef = 129.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

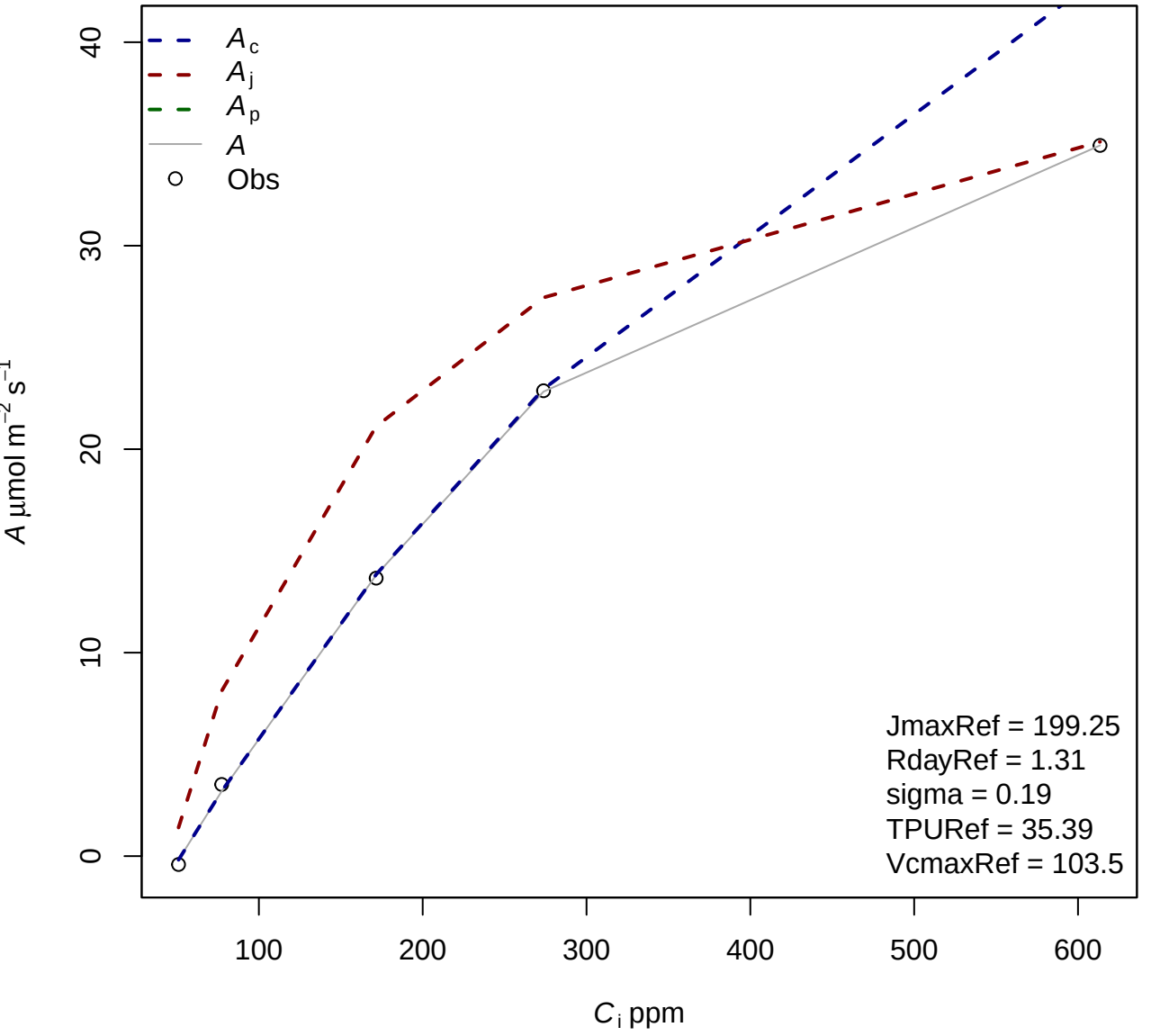

A_c
A_j
A_p
A
Obs
JmaxRef = 219.89
RdayRef = 0.19
sigma = 0.2
TPURef = 14.49
VcmaxRef = 114.2
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

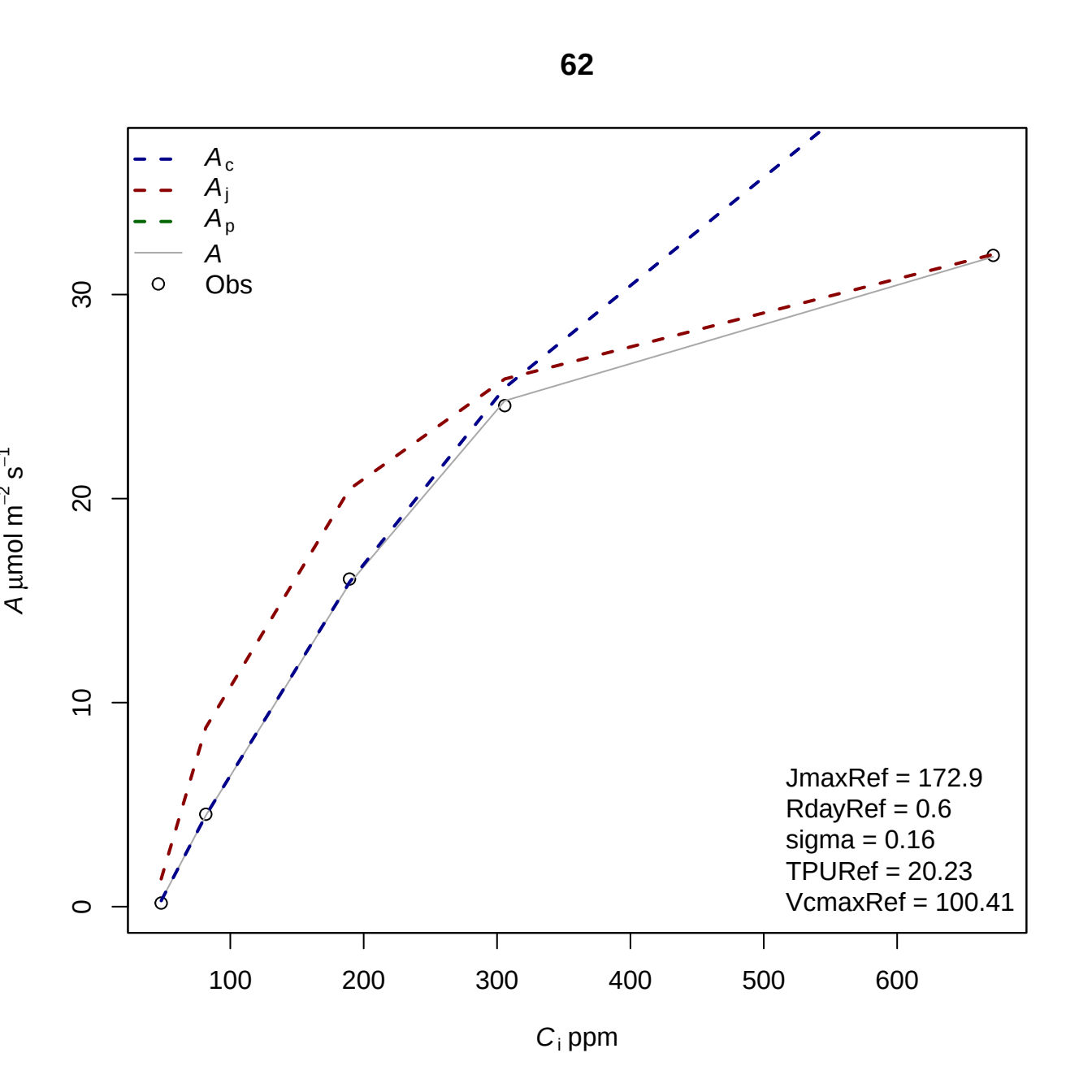

A_c
A_j
A_p
A
Obs
JmaxRef = 209.81
RdayRef = 0.04
sigma = 0.34
TPURef = 14.66
VcmaxRef = 112.27
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

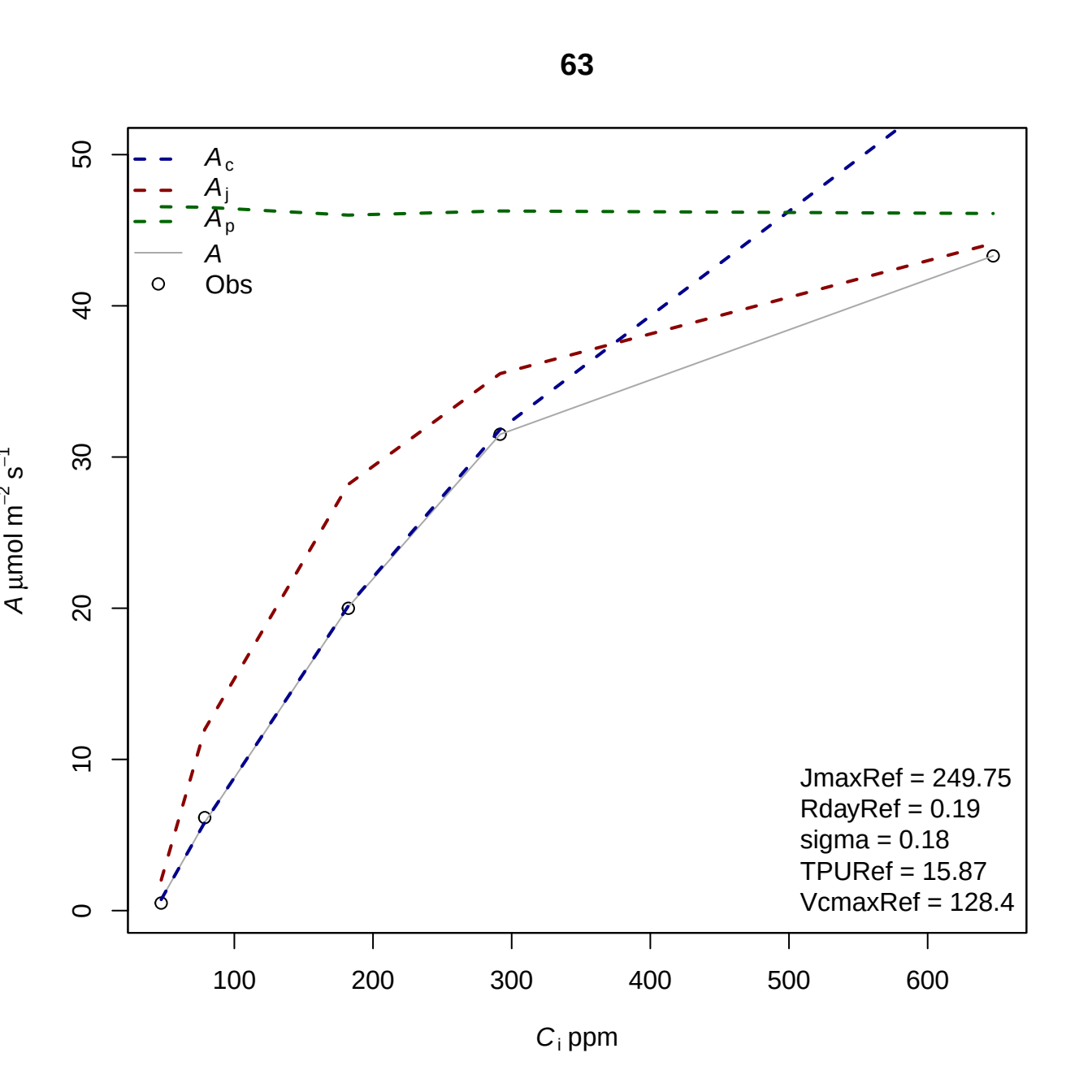

A_c
A_j
A_p
A
Obs
JmaxRef = 265.05
RdayRef = 1.26
sigma = 0.24
TPURef = 1439680.4
VcmaxRef = 134.77
0
10
20
30
40
50
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

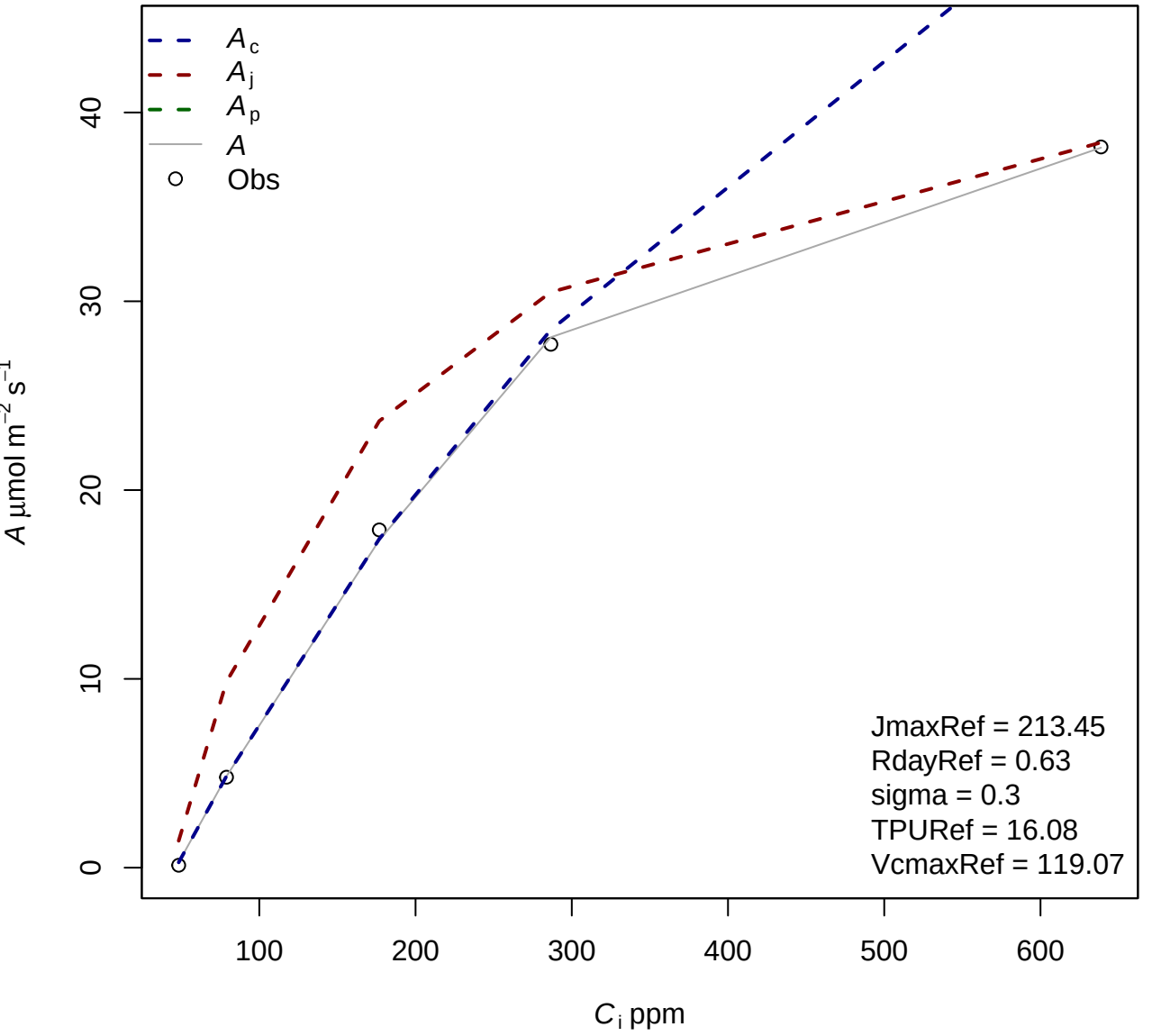

A_c
A_j
A_p
A
Obs
JmaxRef = 236.21
RdayRef = 0.2
sigma = 0.44
TPURef = 17.21
VcmaxRef = 126.45
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

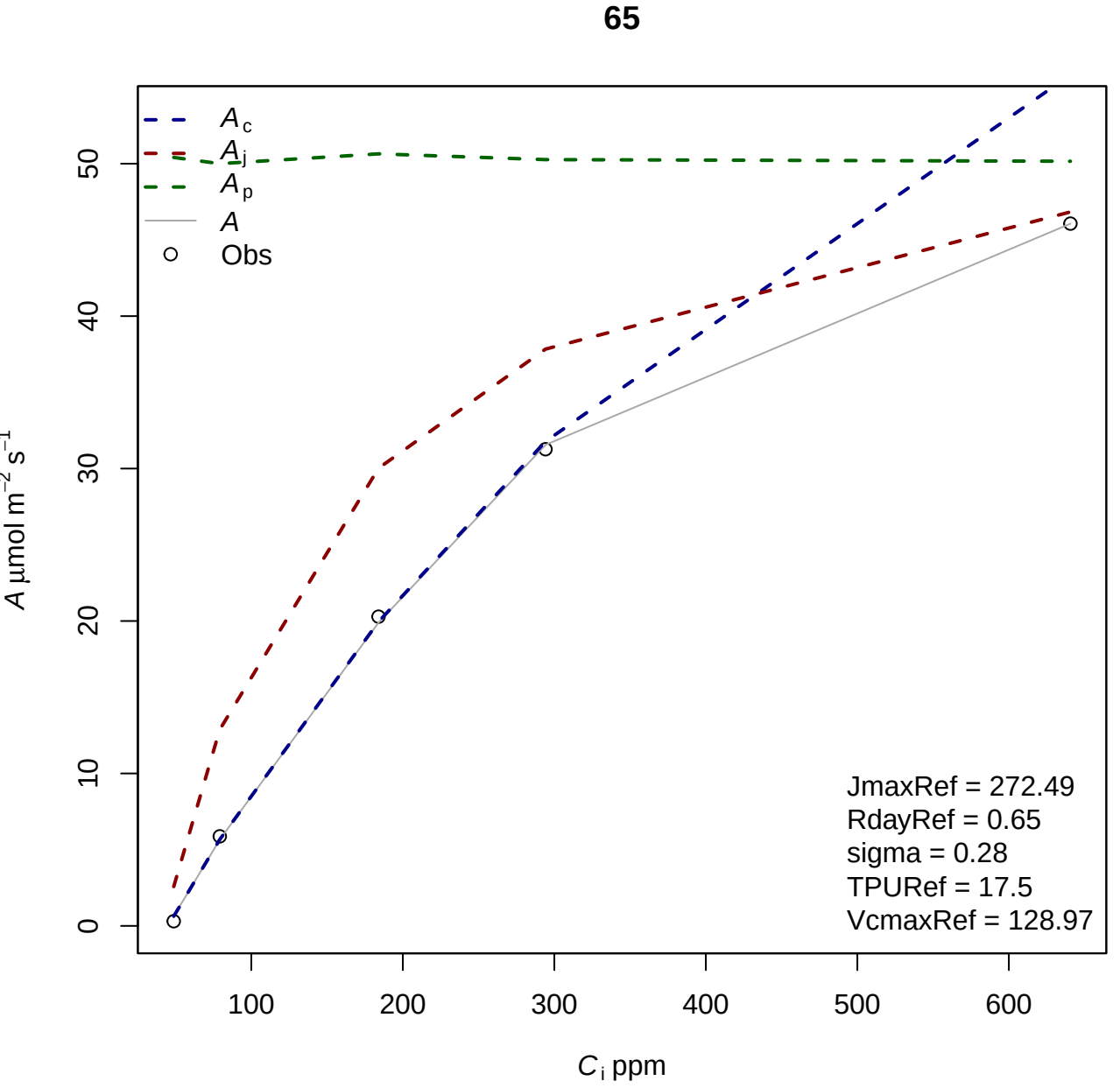

60
A_c
A_j
A_p
A
Obs
JmaxRef = 282.5
RdayRef = 0.62
sigma = 0.2
TPURef = 18
VcmaxRef = 129.33
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

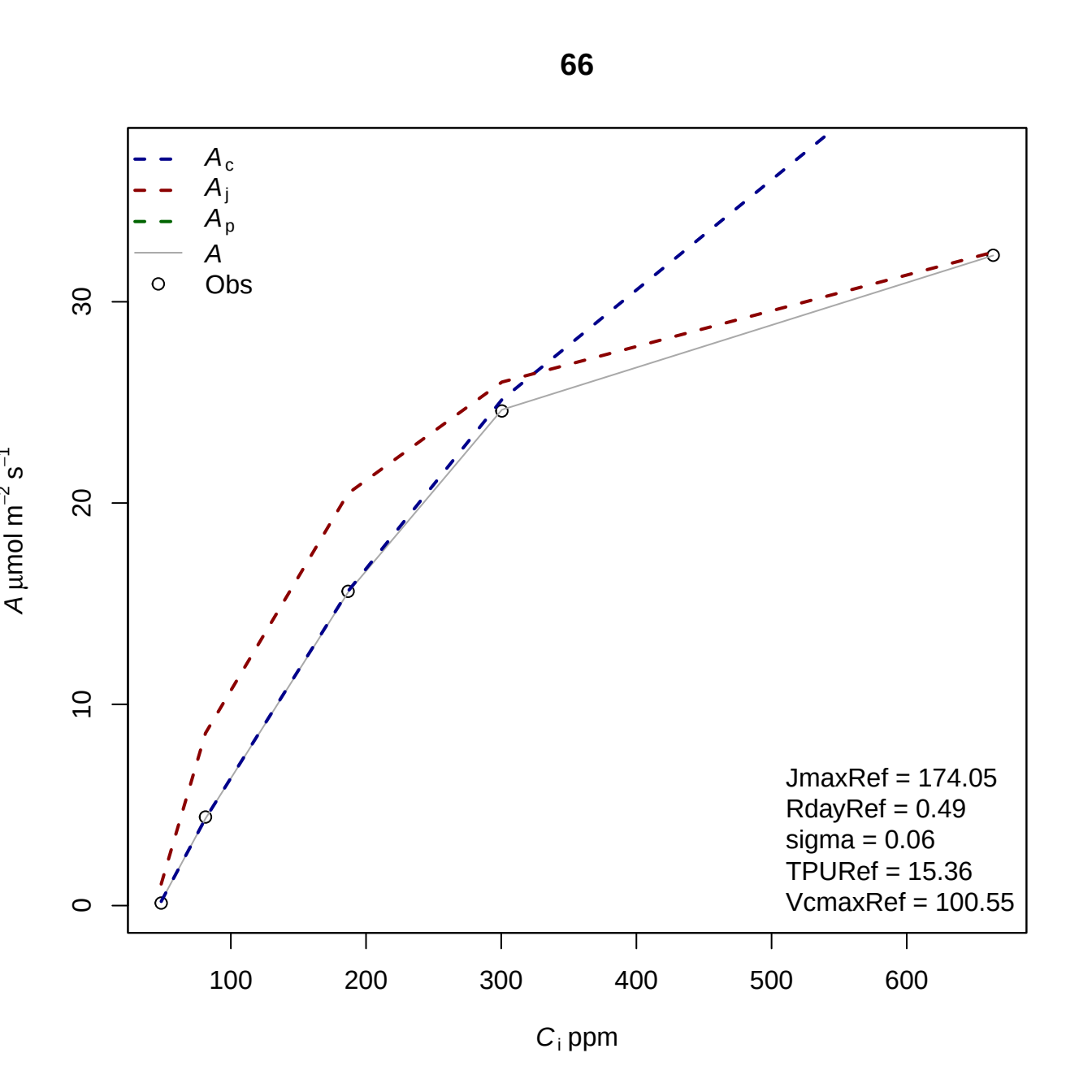

A_c
A_j
A_p
A
Obs
JmaxRef = 199.25
RdayRef = 1.31
sigma = 0.19
TPURef = 35.39
VcmaxRef = 103.5
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

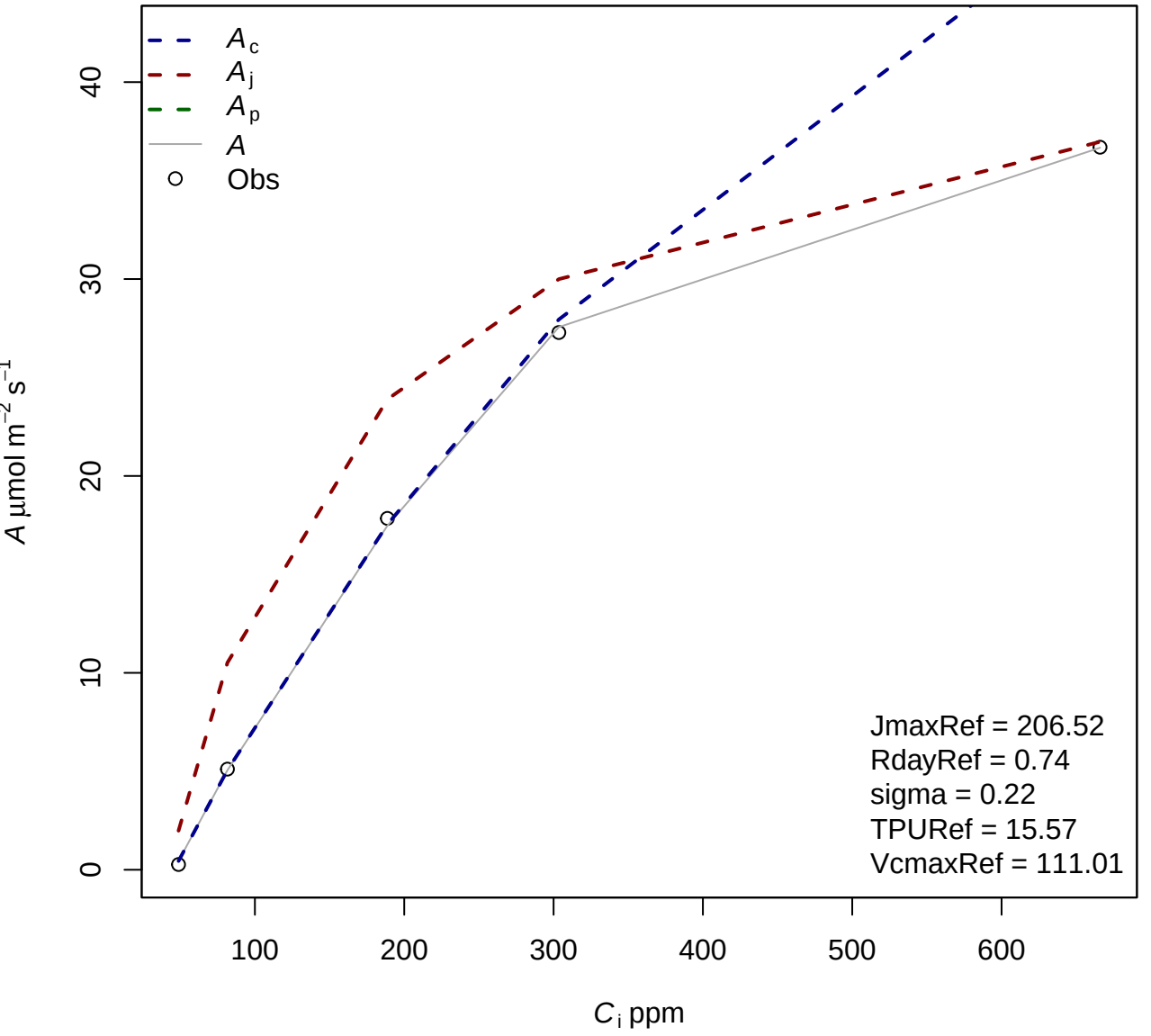

62
A_c
A_j
A_p
A
Obs
JmaxRef = 172.9
RdayRef = 0.6
sigma = 0.16
TPURef = 20.23
VcmaxRef = 100.41
0
10
20
30
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

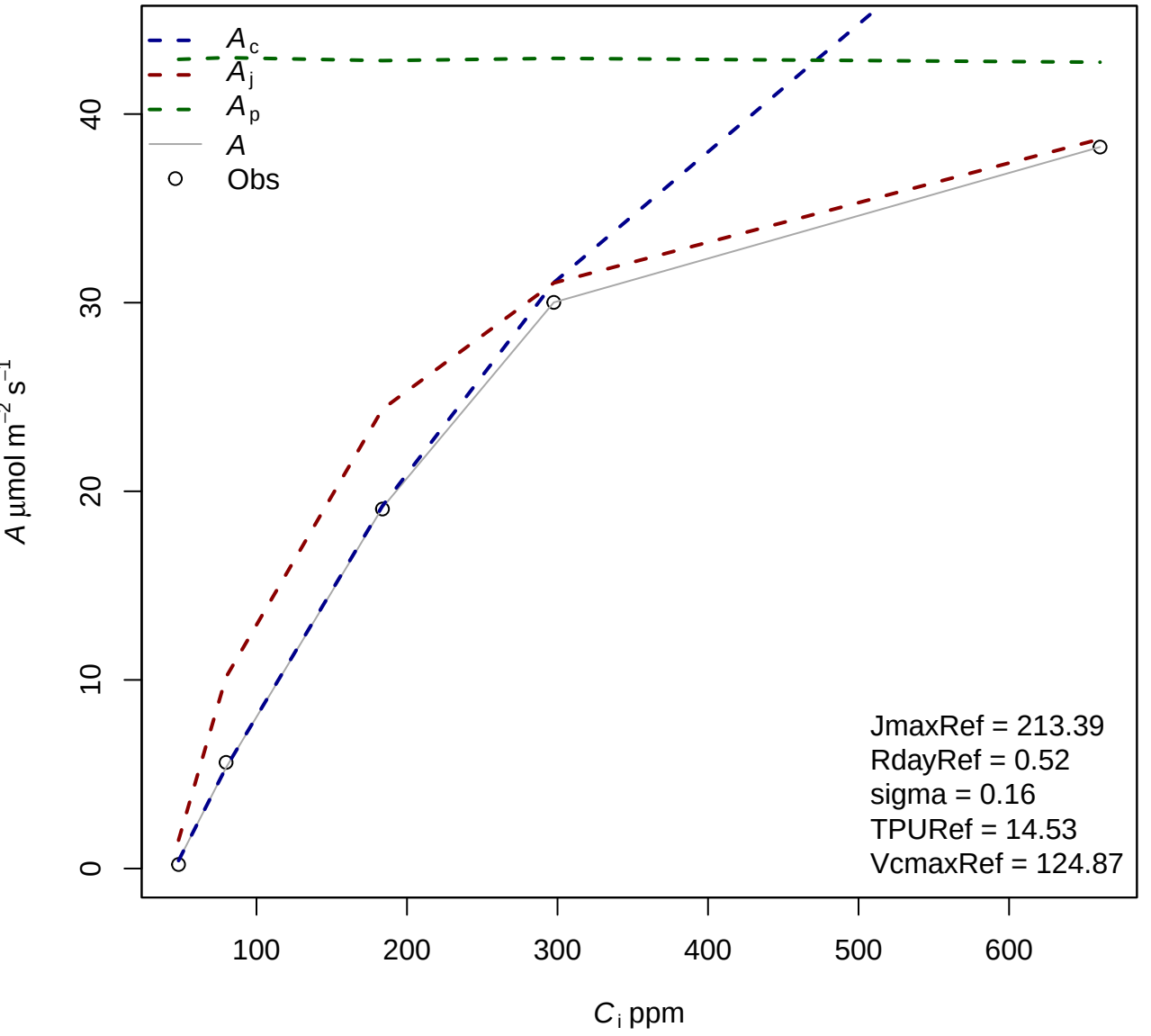

63
A_c
A_j
A_p
A
Obs
JmaxRef = 249.75
RdayRef = 0.19
sigma = 0.18
TPURef = 15.87
VcmaxRef = 128.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

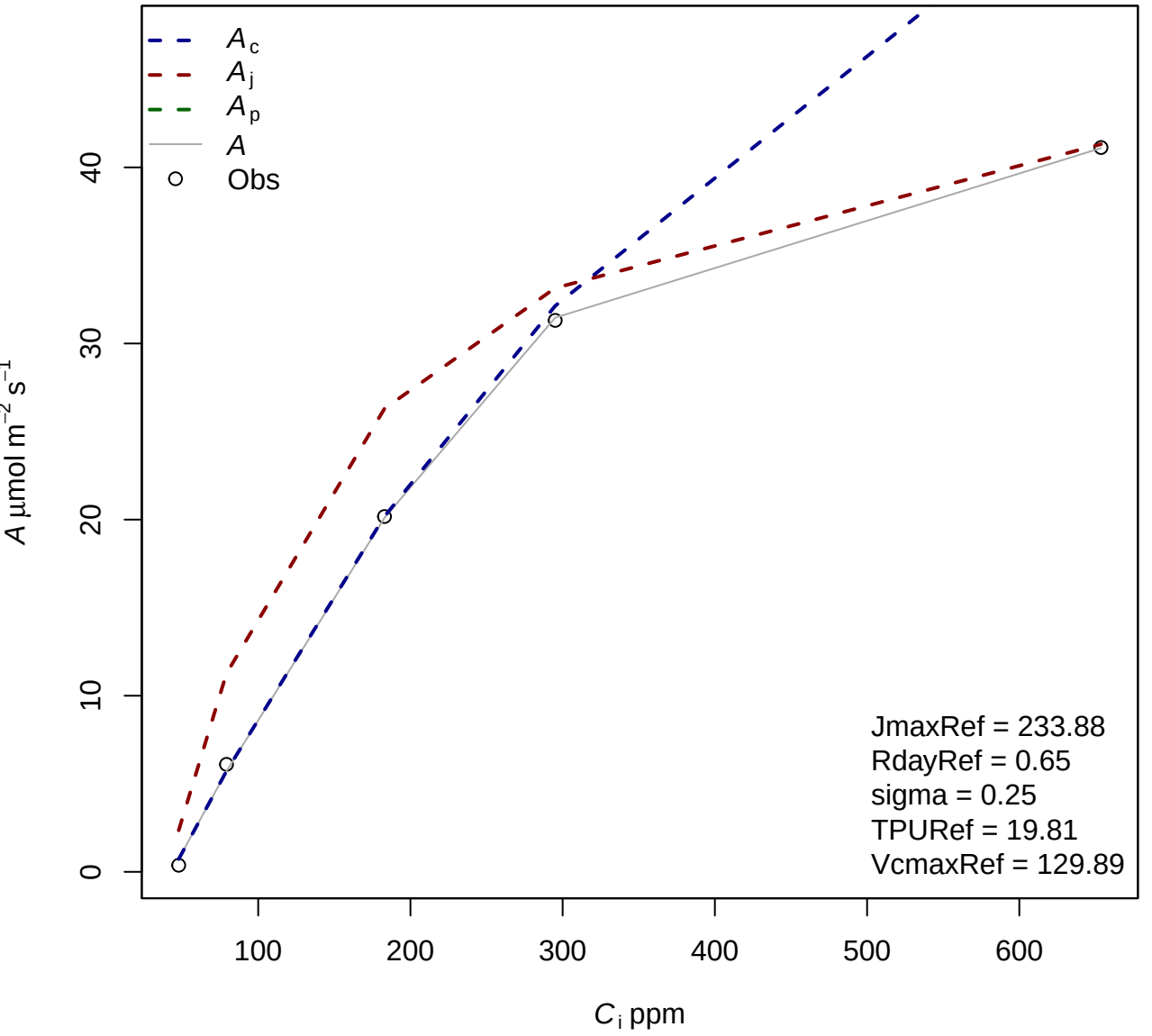

A_c
A_j
A_p
A
Obs
0
10
20
30
40
A µmol m^{-2} s^{-1}
100
200
300
400
500
600
C_i ppm
JmaxRef = 213.45
RdayRef = 0.63
sigma = 0.3
TPURef = 16.08
VcmaxRef = 119.07

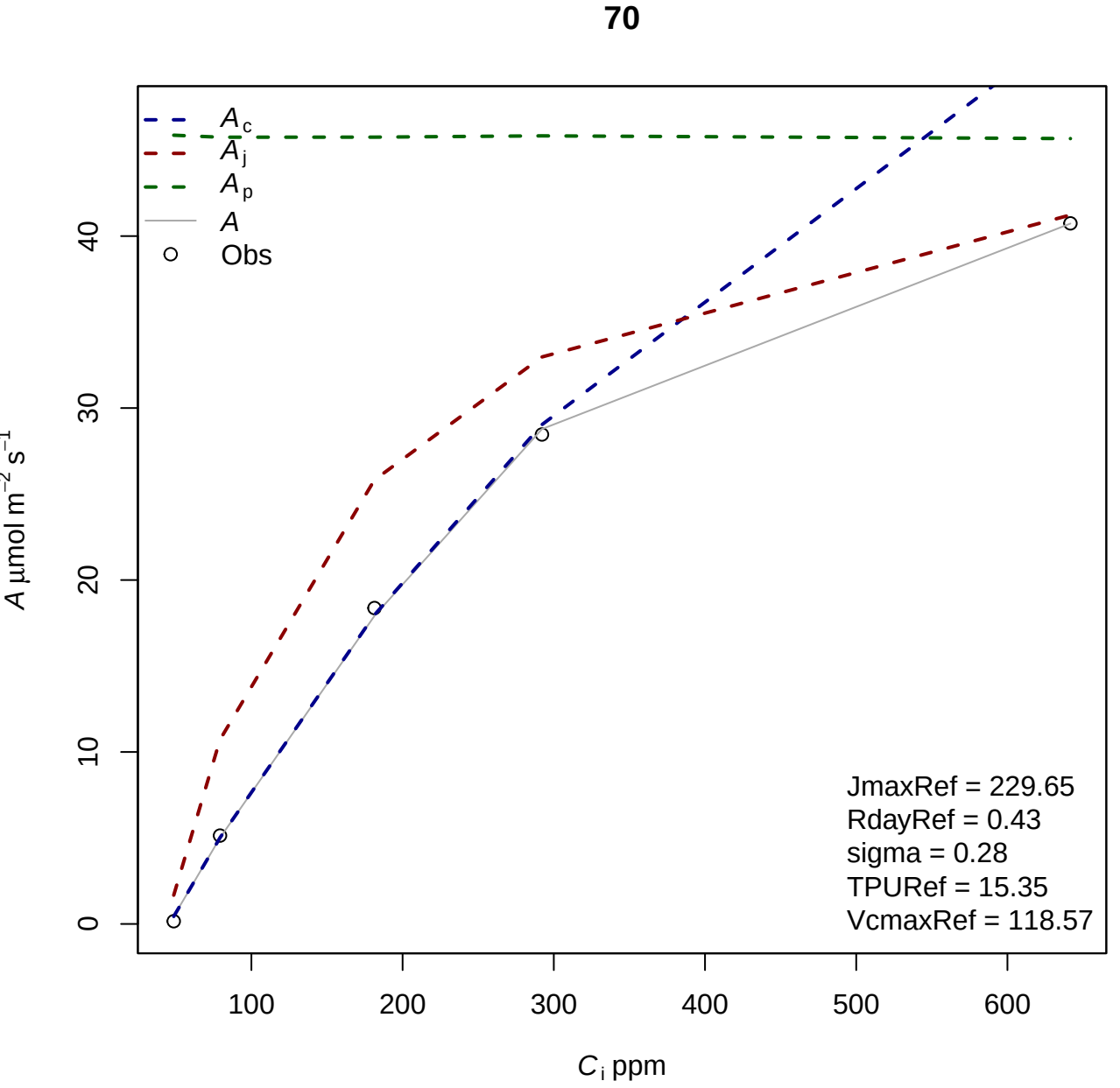

65
A_c
A_j
A_p
A
Obs
JmaxRef = 272.49
RdayRef = 0.65
sigma = 0.28
TPURef = 17.5
VcmaxRef = 128.97
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

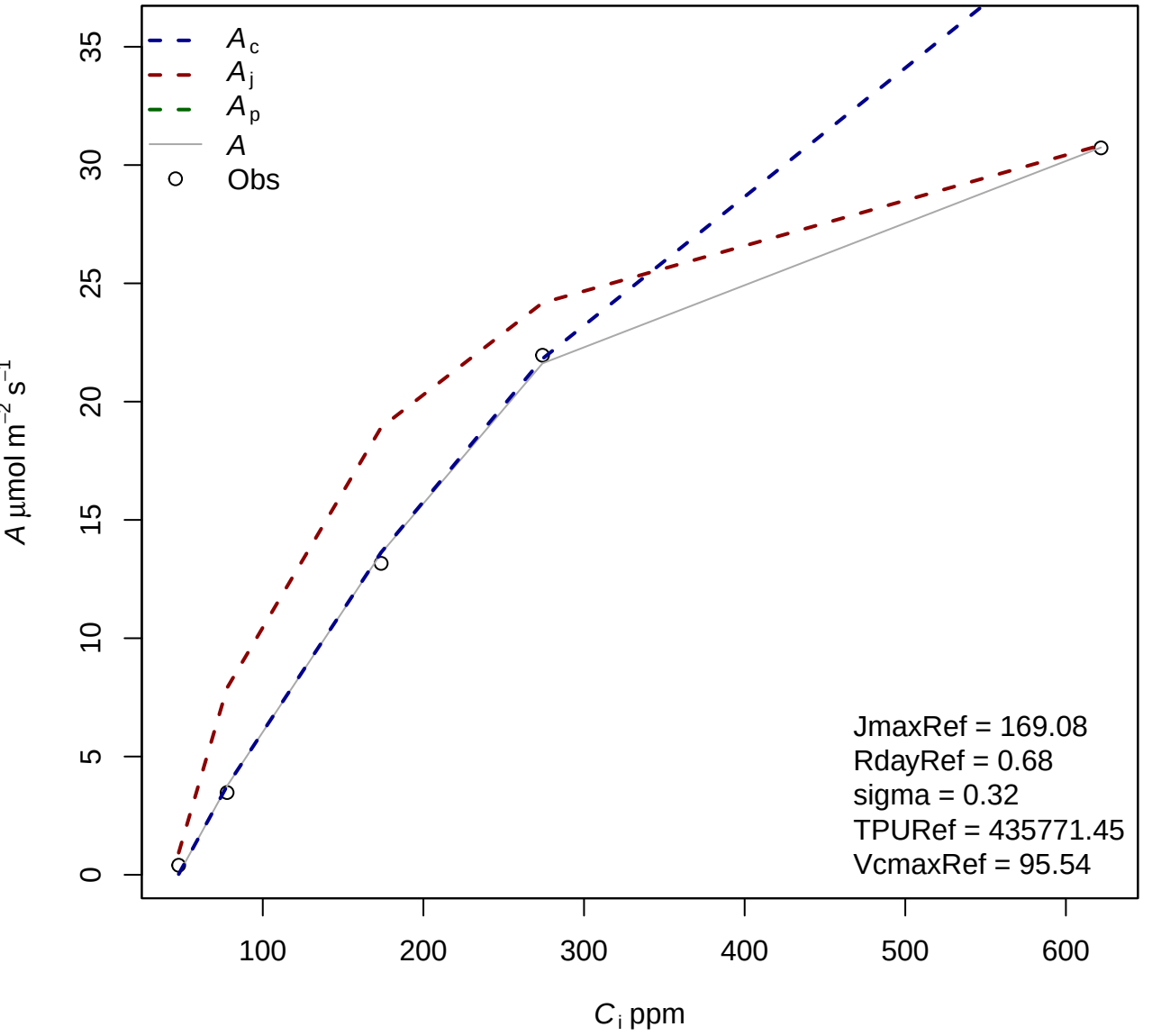

66
A_c
A_j
A_p
A
Obs
JmaxRef = 174.05
RdayRef = 0.49
sigma = 0.06
TPURef = 15.36
VcmaxRef = 100.55
0
10
20
30
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

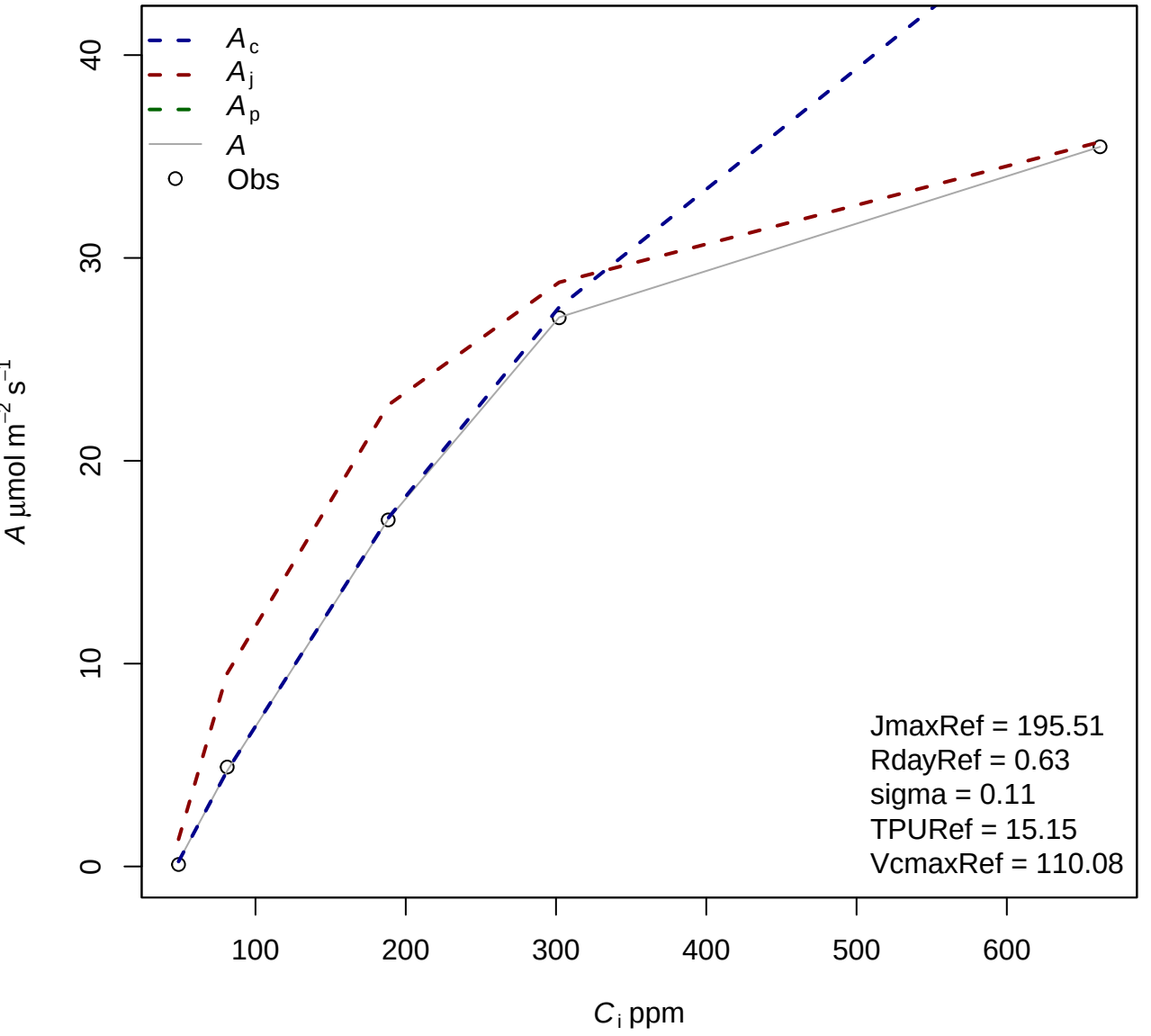

A_c
A_j
A_p
A
Obs
JmaxRef = 206.52
RdayRef = 0.74
sigma = 0.22
TPURef = 15.57
VcmaxRef = 111.01
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

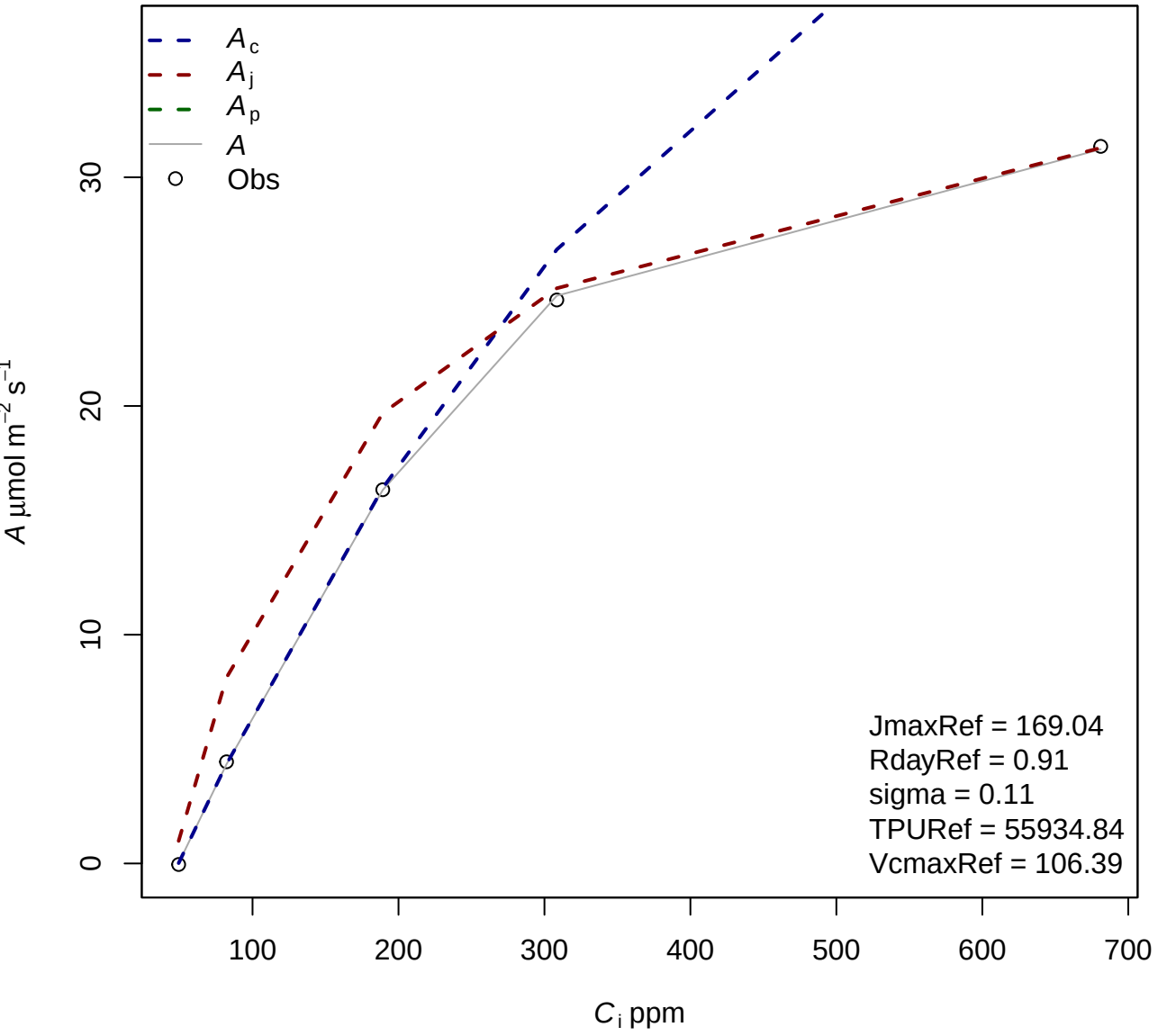

A_c
A_j
A_p
A
Obs
JmaxRef = 213.39
RdayRef = 0.52
sigma = 0.16
TPURef = 14.53
VcmaxRef = 124.87
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

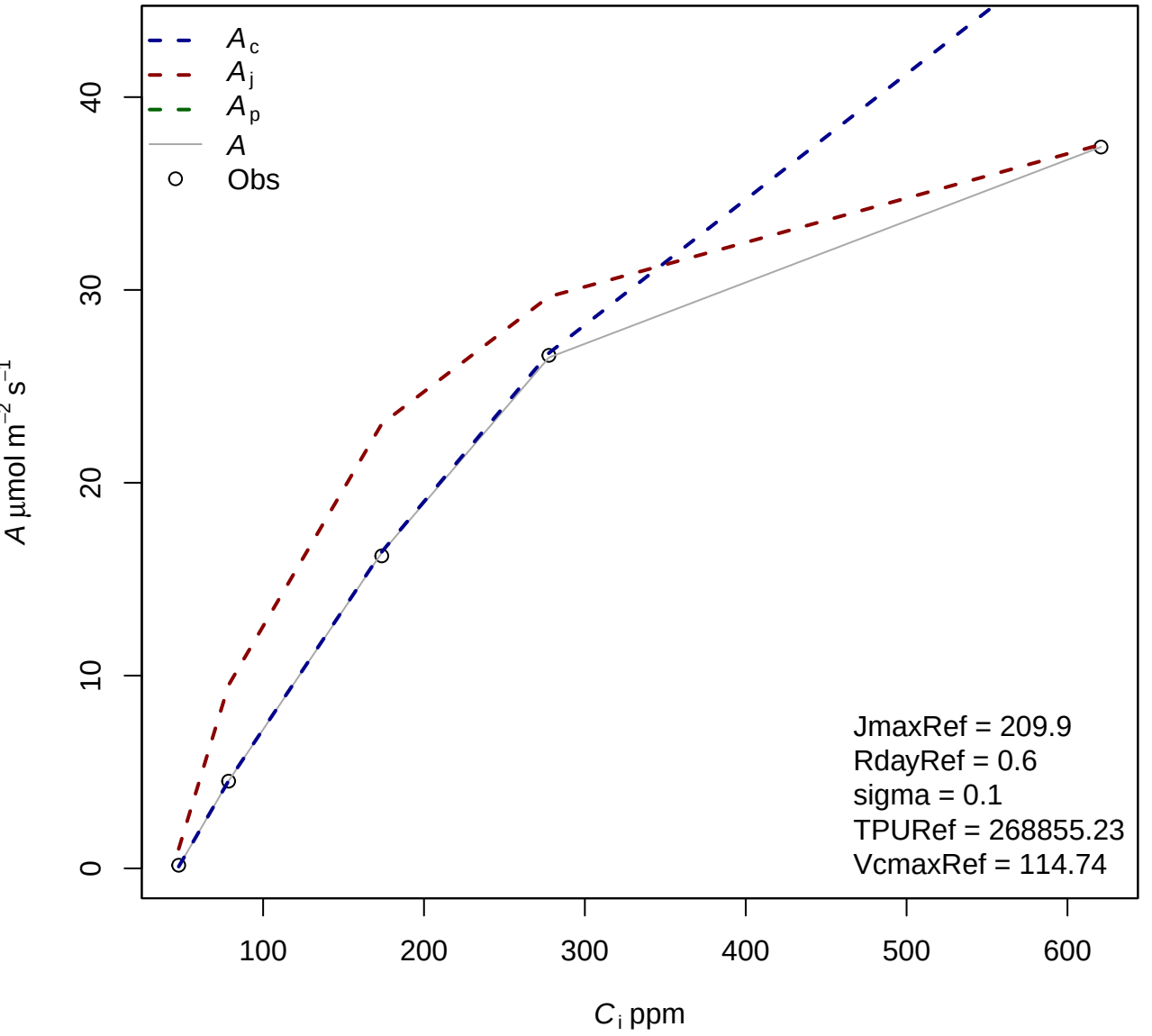

A_c
A_j
A_p
A
Obs
JmaxRef = 233.88
RdayRef = 0.65
sigma = 0.25
TPURef = 19.81
VcmaxRef = 129.89
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

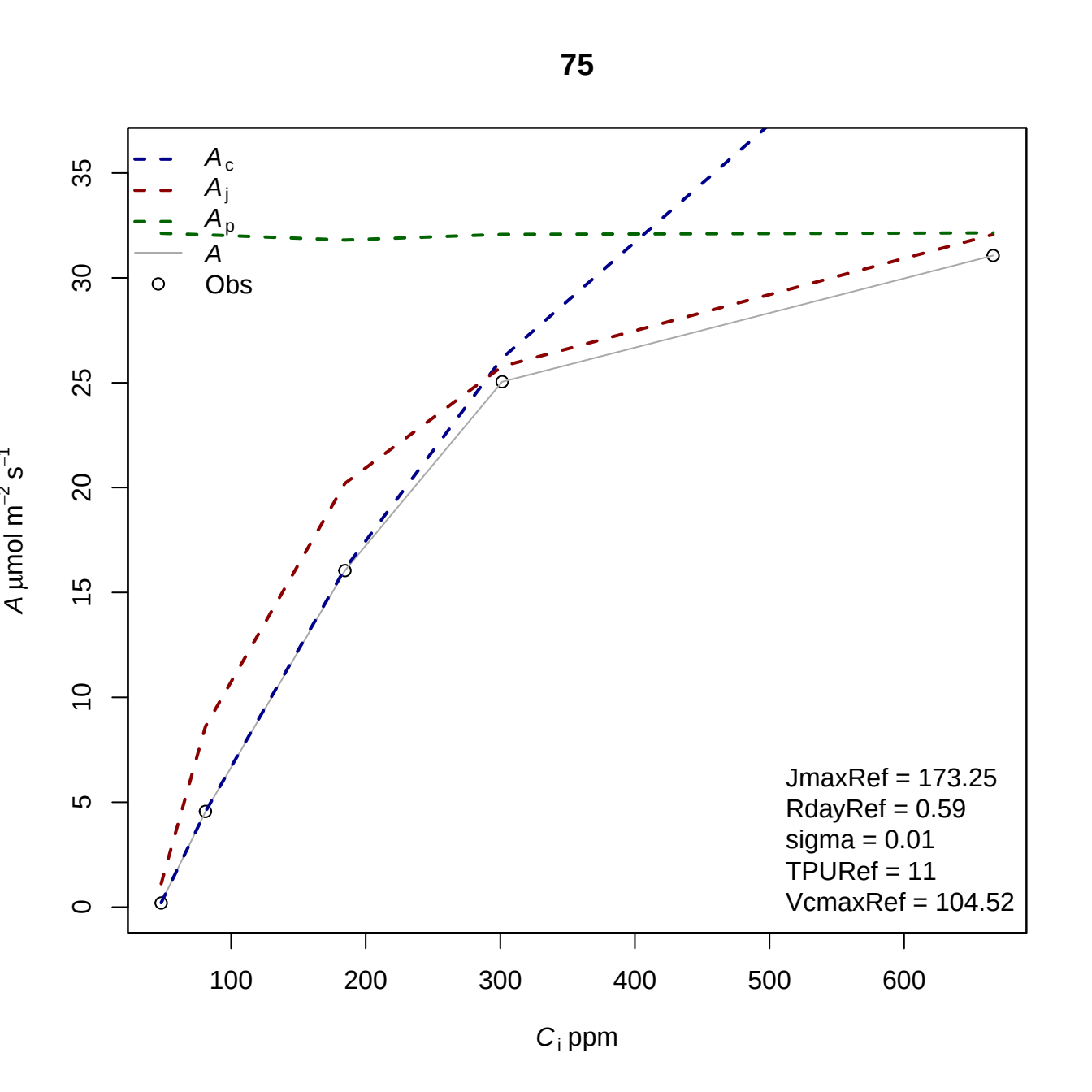

70
A_c
A_j
A_p
A
Obs
JmaxRef = 229.65
RdayRef = 0.43
sigma = 0.28
TPURef = 15.35
VcmaxRef = 118.57
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

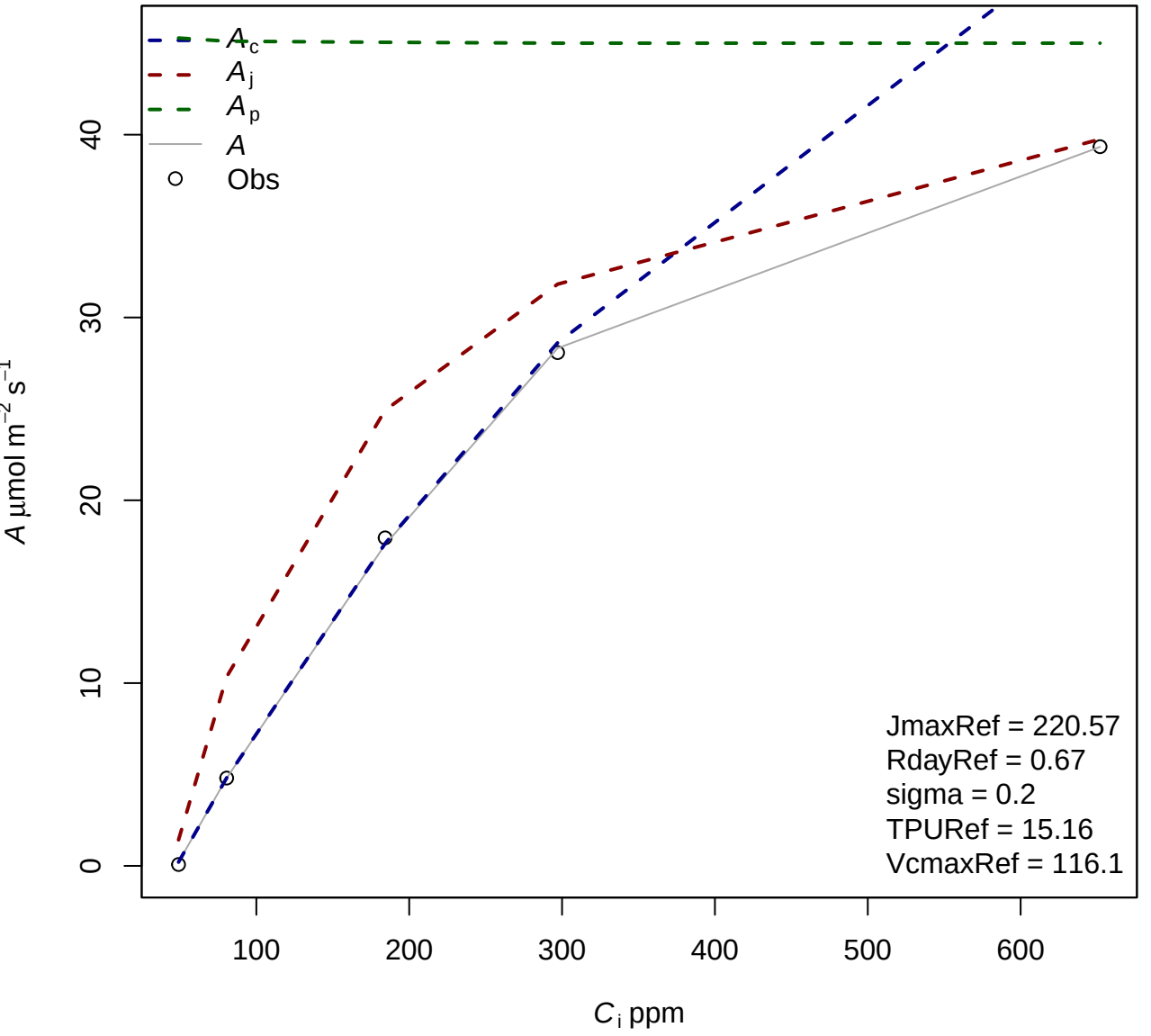

A_c
A_j
A_p
A
Obs
JmaxRef = 169.08
RdayRef = 0.68
sigma = 0.32
TPURef = 435771.45
VcmaxRef = 95.54
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600

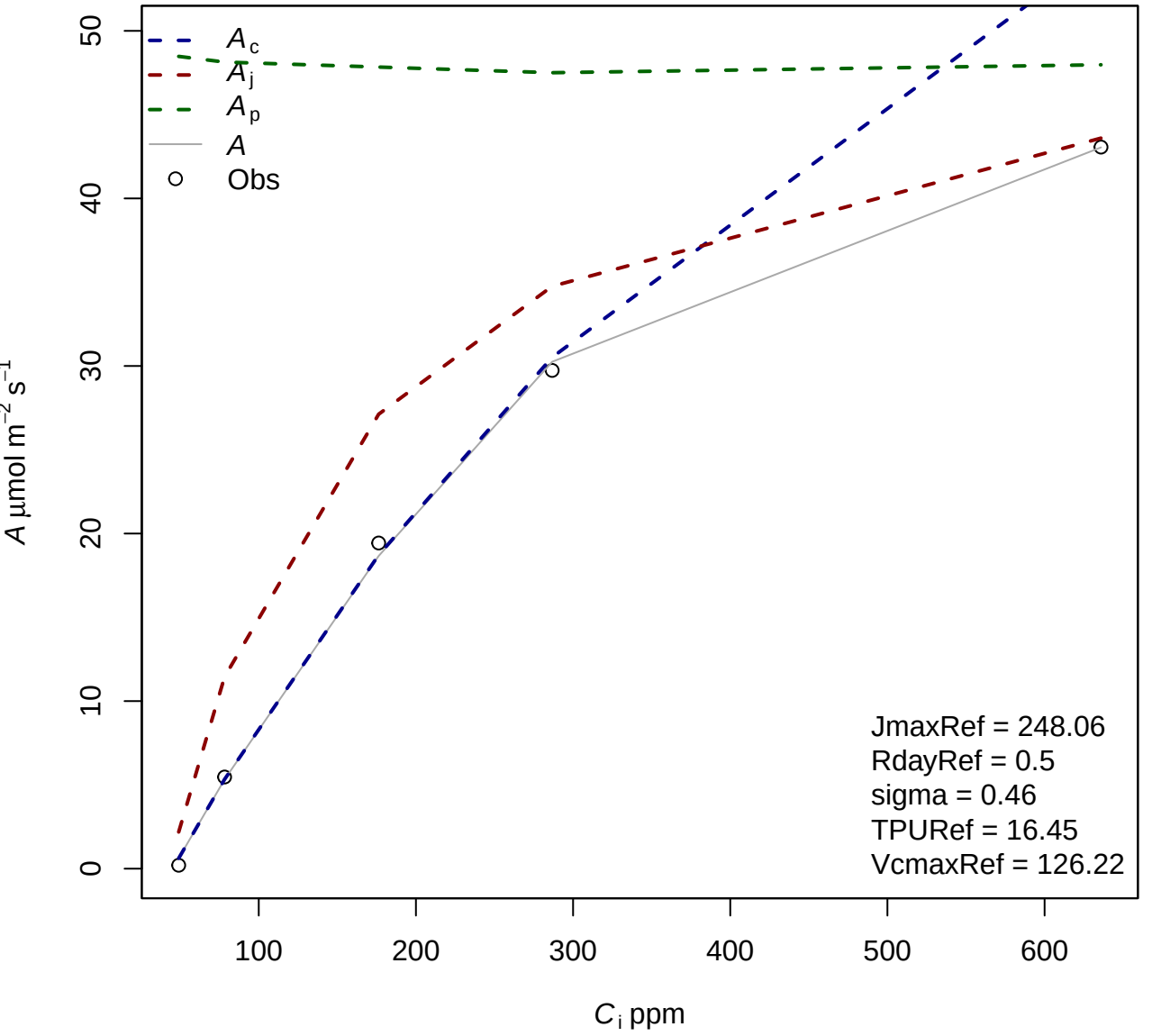

A_c
A_j
A_p
A
Obs
JmaxRef = 195.51
RdayRef = 0.63
sigma = 0.11
TPURef = 15.15
VcmaxRef = 110.08
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

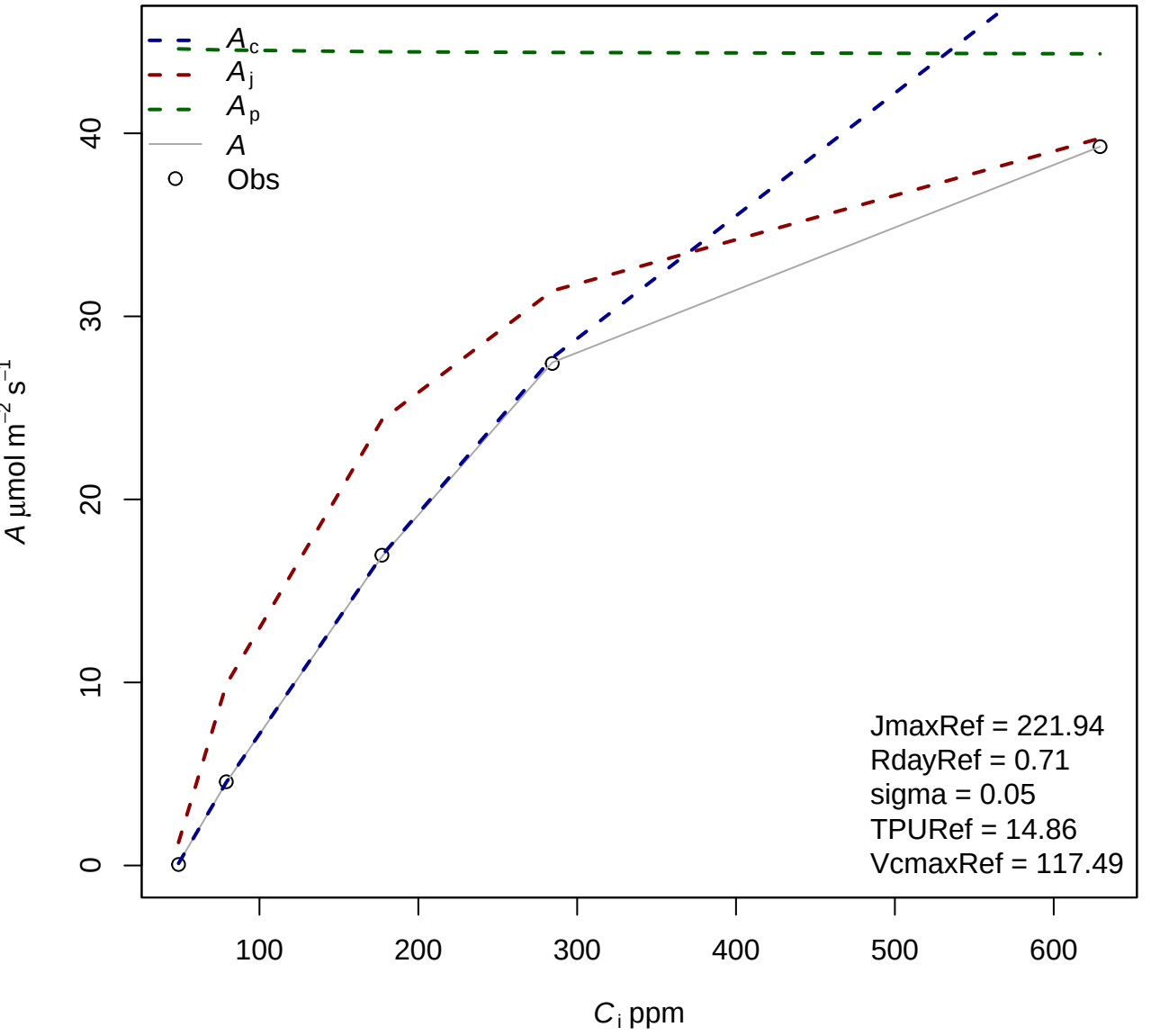

A_c
A_j
A_p
A
Obs
JmaxRef = 169.04
RdayRef = 0.91
sigma = 0.11
TPURef = 55934.84
VcmaxRef = 106.39
0
10
20
30
100
200
300
400
500
600
700
A µmol m^{-2} s^{-1}
C_i ppm

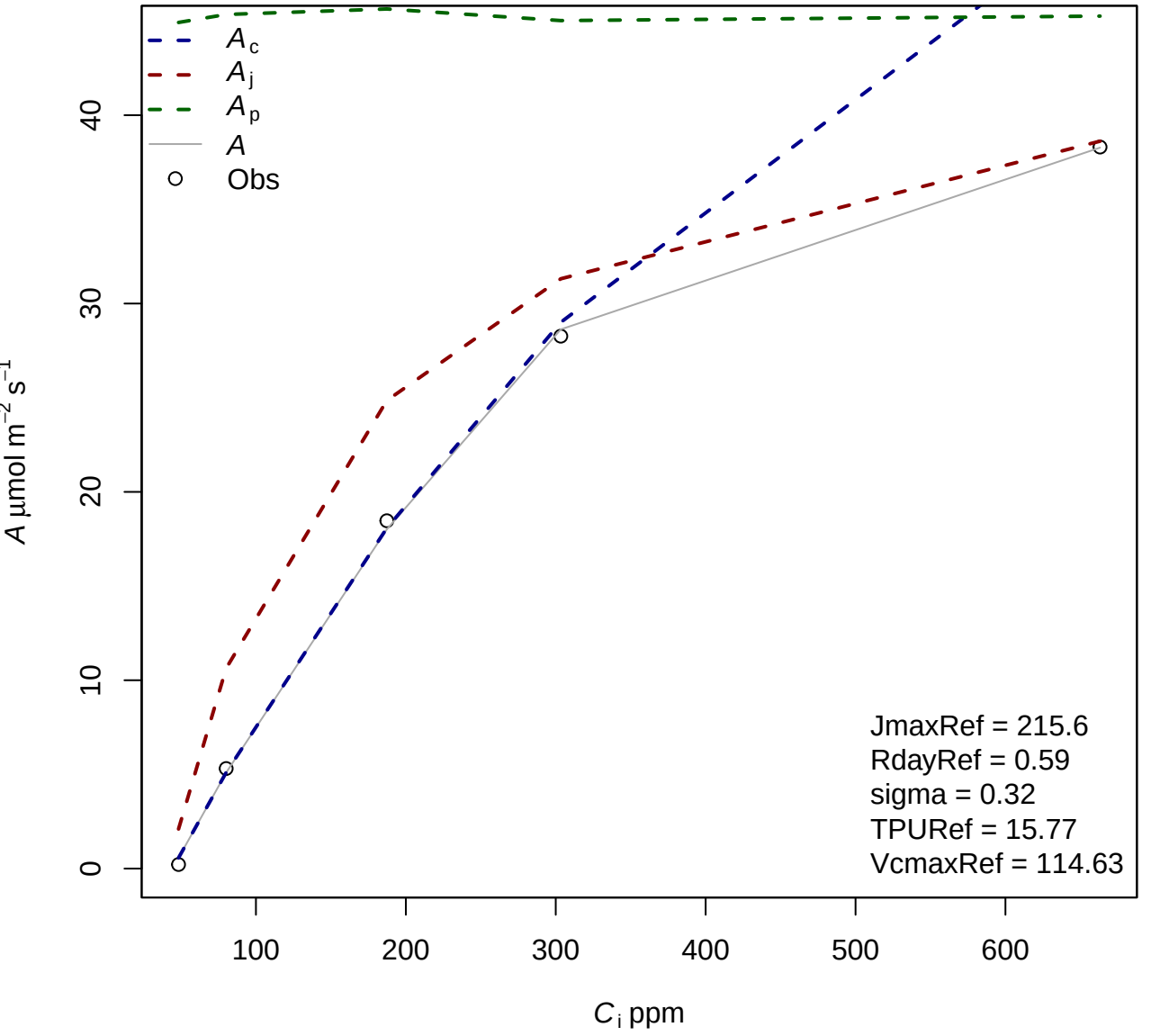

A_c
A_j
A_p
A
Obs
JmaxRef = 209.9
RdayRef = 0.6
sigma = 0.1
TPURef = 268855.23
VcmaxRef = 114.74
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

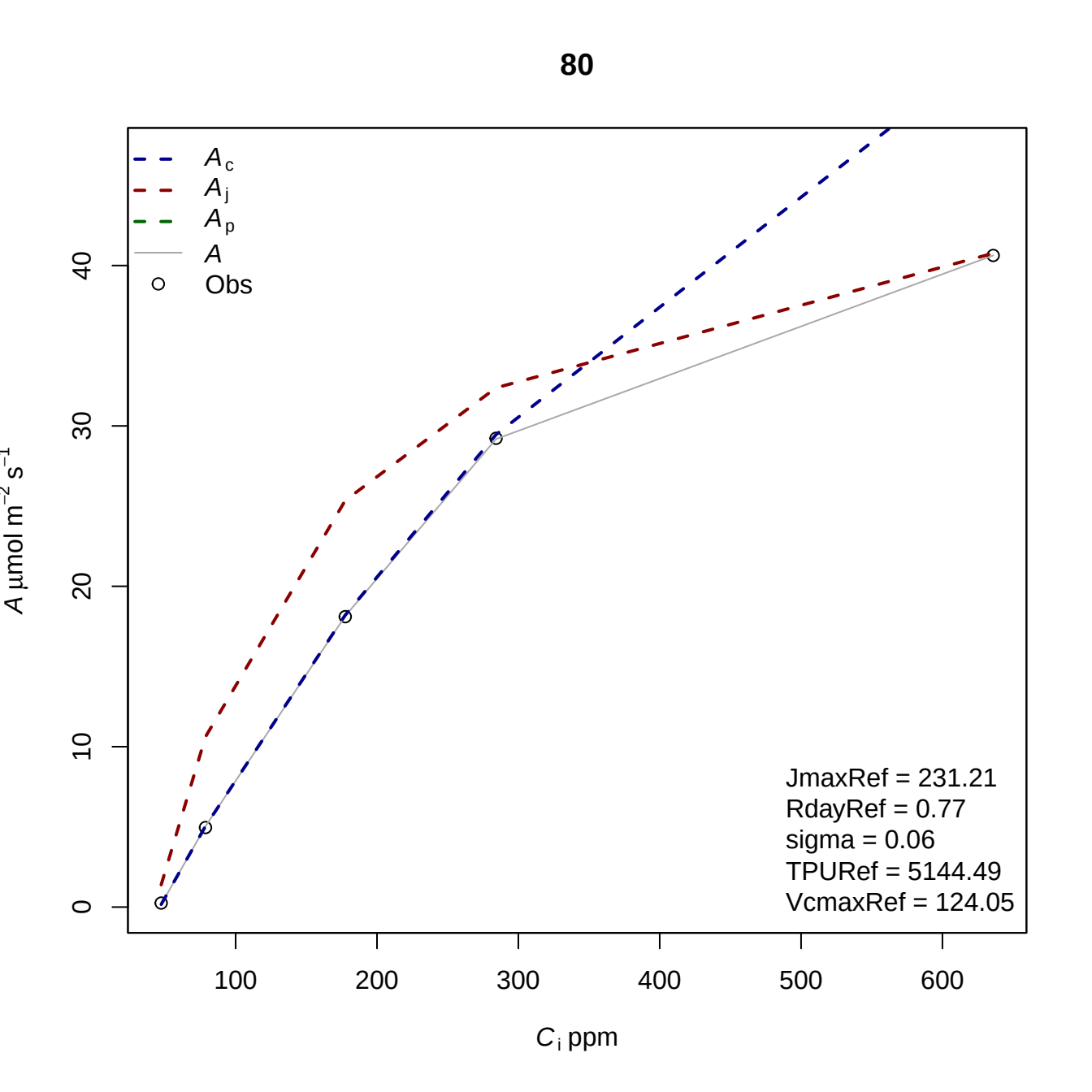

75
A_c
A_j
A_p
A
Obs
JmaxRef = 173.25
RdayRef = 0.59
sigma = 0.01
TPURef = 11
VcmaxRef = 104.52
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600

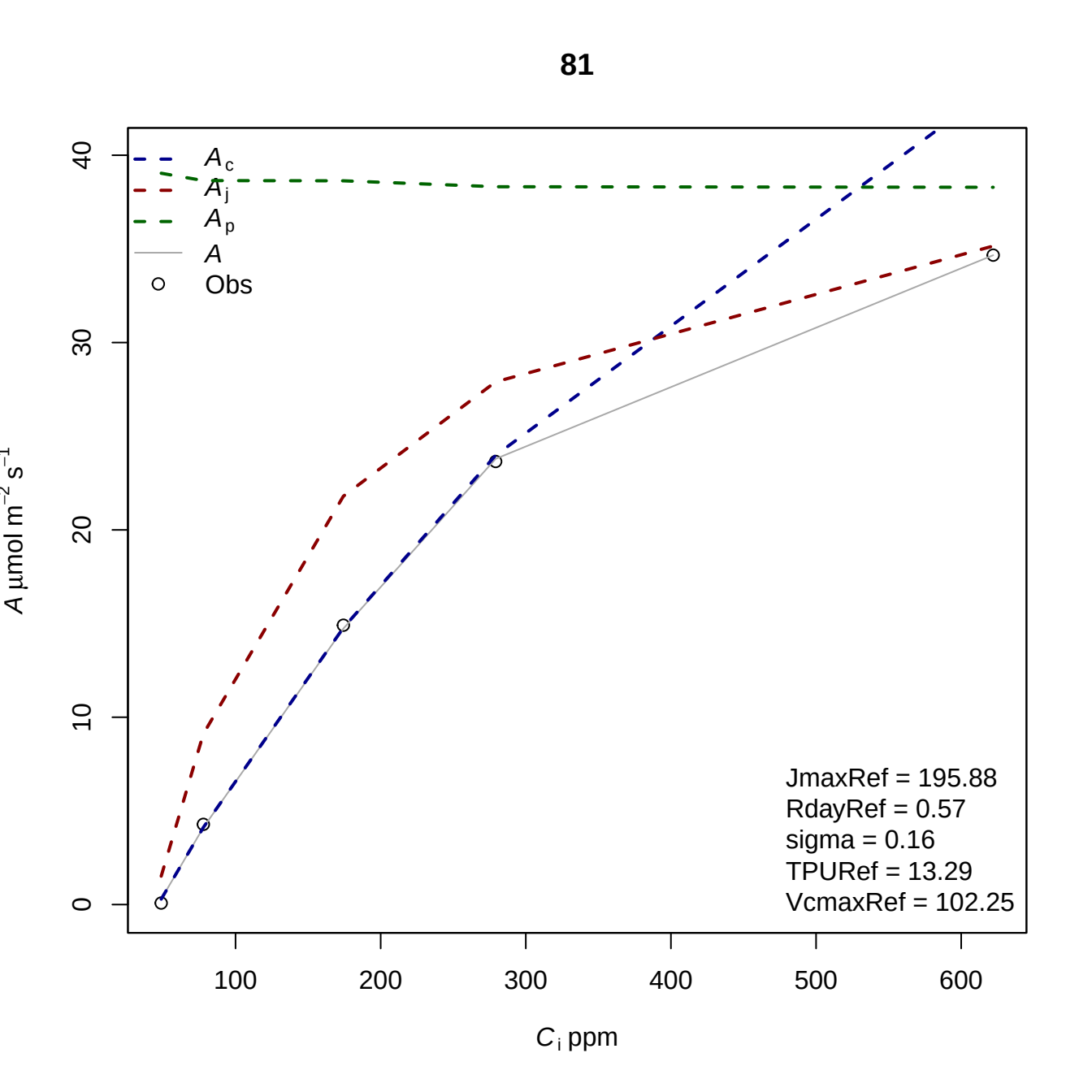

A_c
A_j
A_p
A
Obs
JmaxRef = 220.57
RdayRef = 0.67
sigma = 0.2
TPURef = 15.16
VcmaxRef = 116.1
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

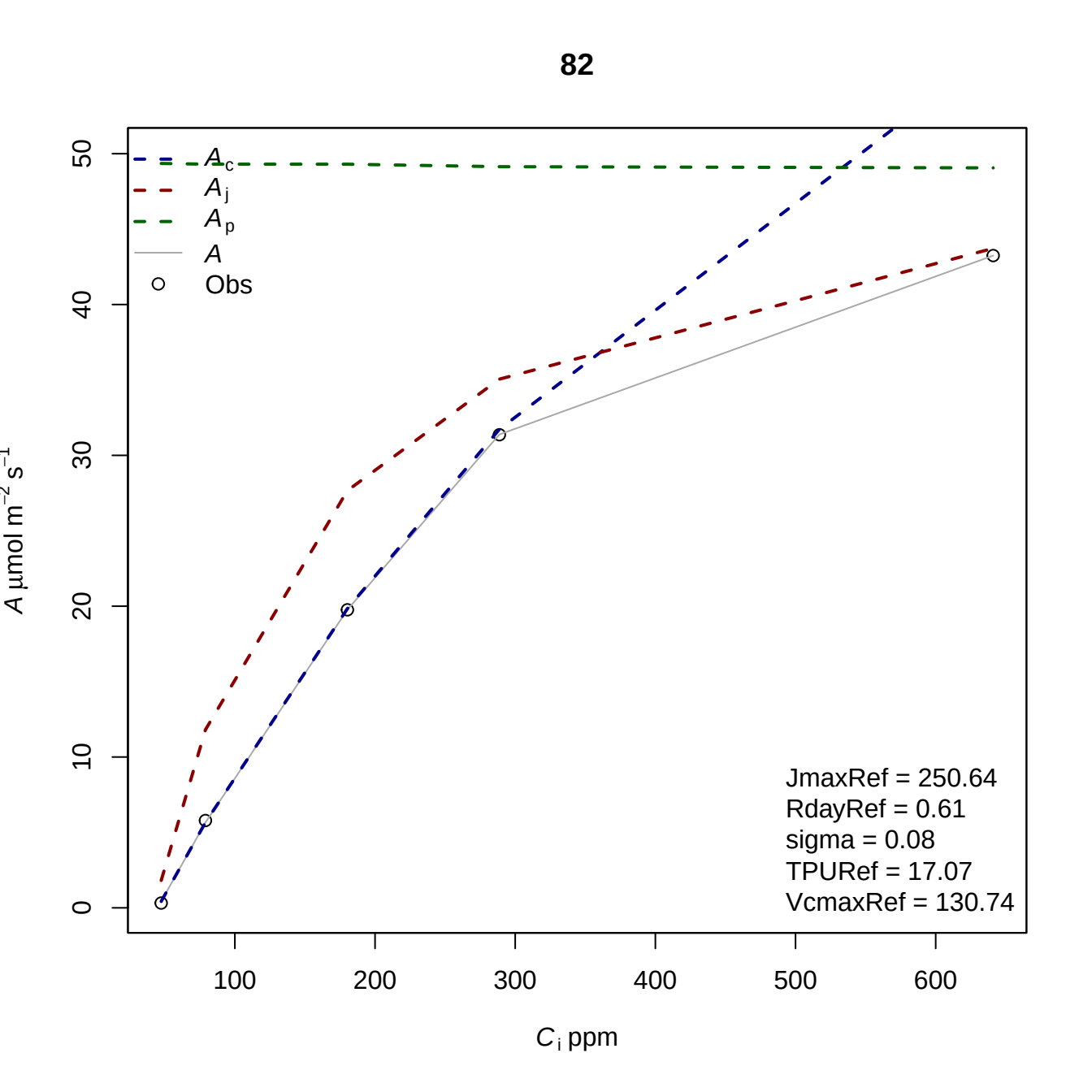

A_c
A_j
A_p
A
Obs
JmaxRef = 248.06
RdayRef = 0.5
sigma = 0.46
TPURef = 16.45
VcmaxRef = 126.22
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

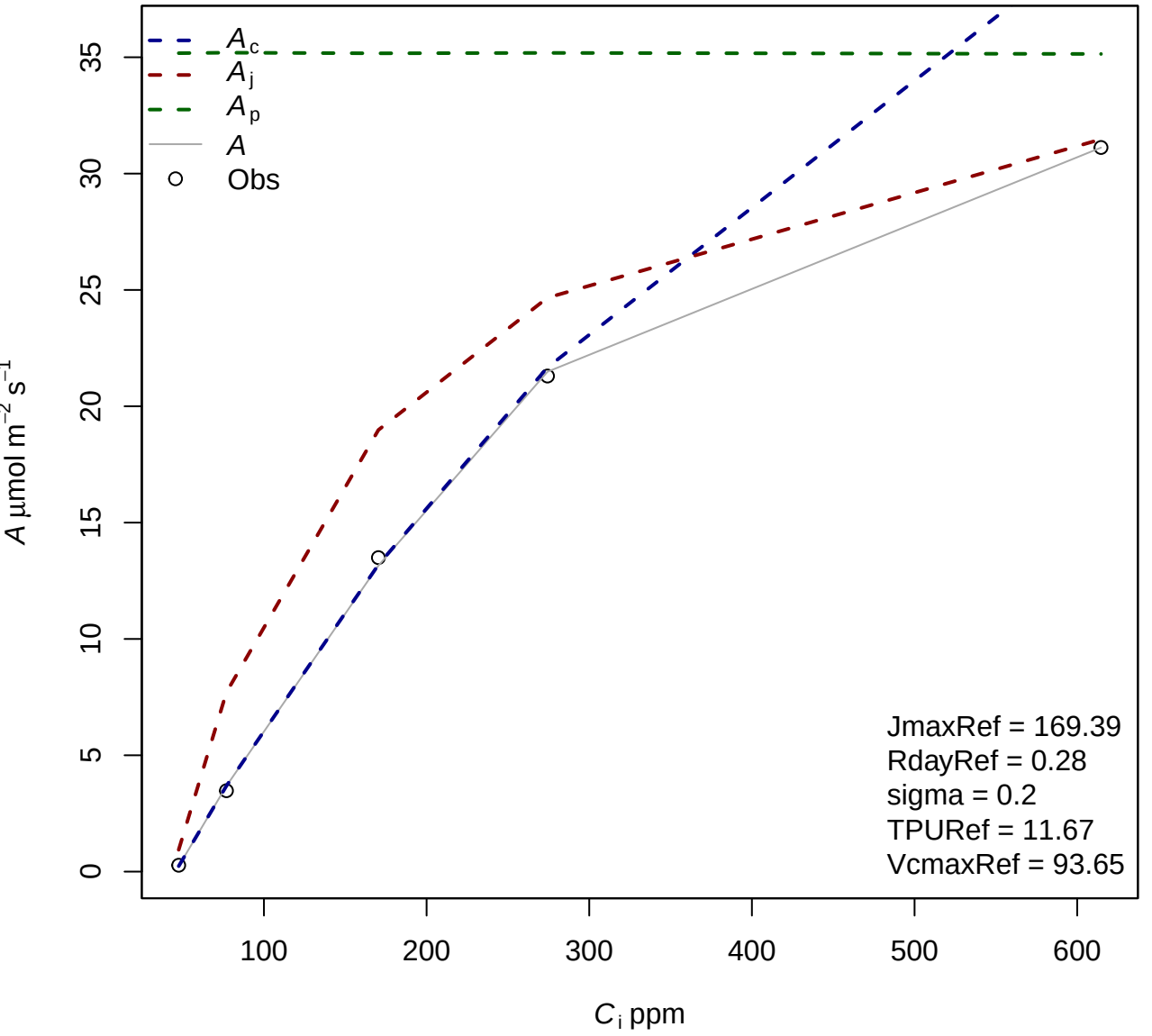

A_c
A_j
A_p
A
Obs
JmaxRef = 221.94
RdayRef = 0.71
sigma = 0.05
TPURef = 14.86
VcmaxRef = 117.49
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

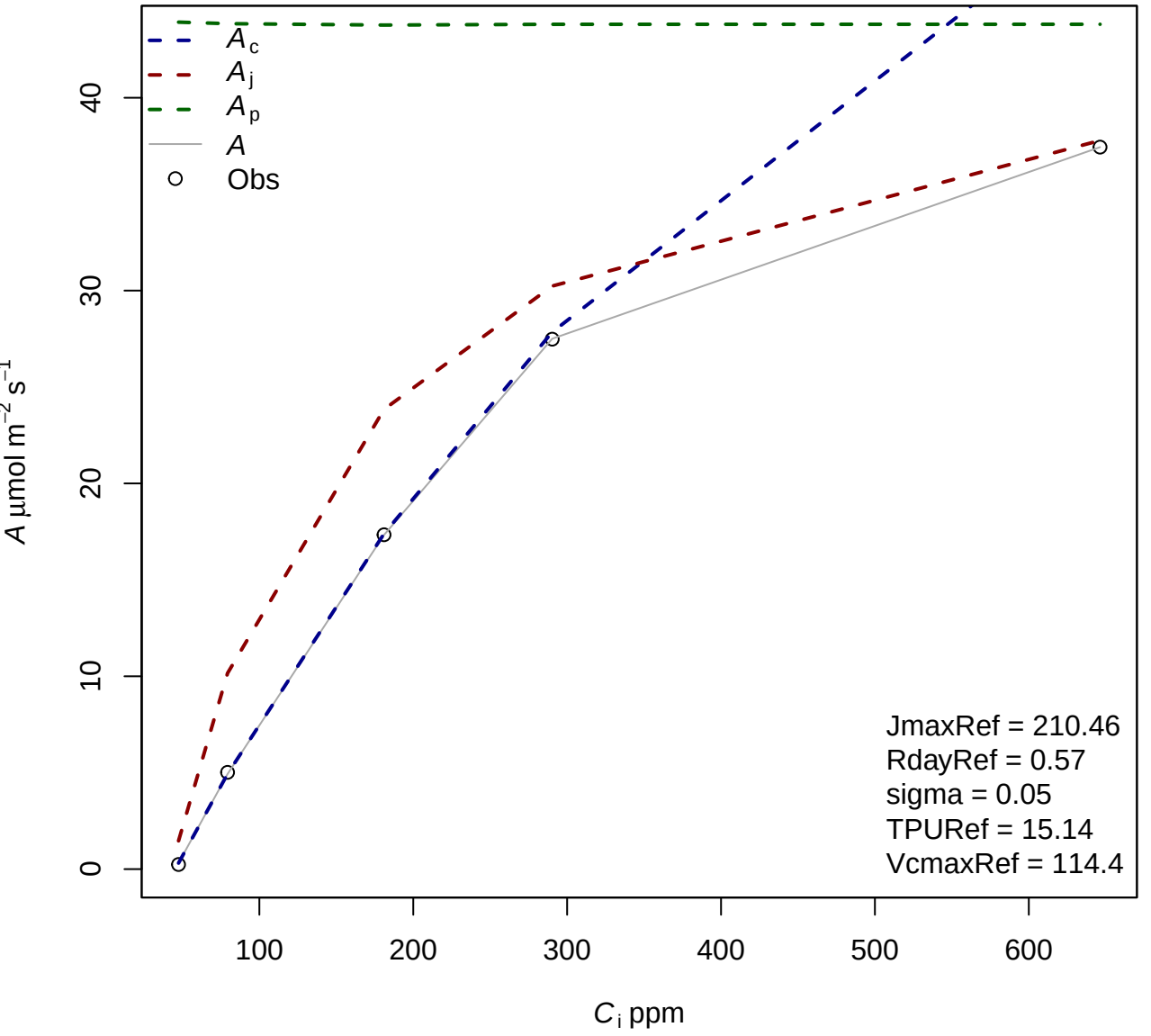

A_c
A_j
A_p
A
Obs
JmaxRef = 215.6
RdayRef = 0.59
sigma = 0.32
TPURef = 15.77
VcmaxRef = 114.63
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

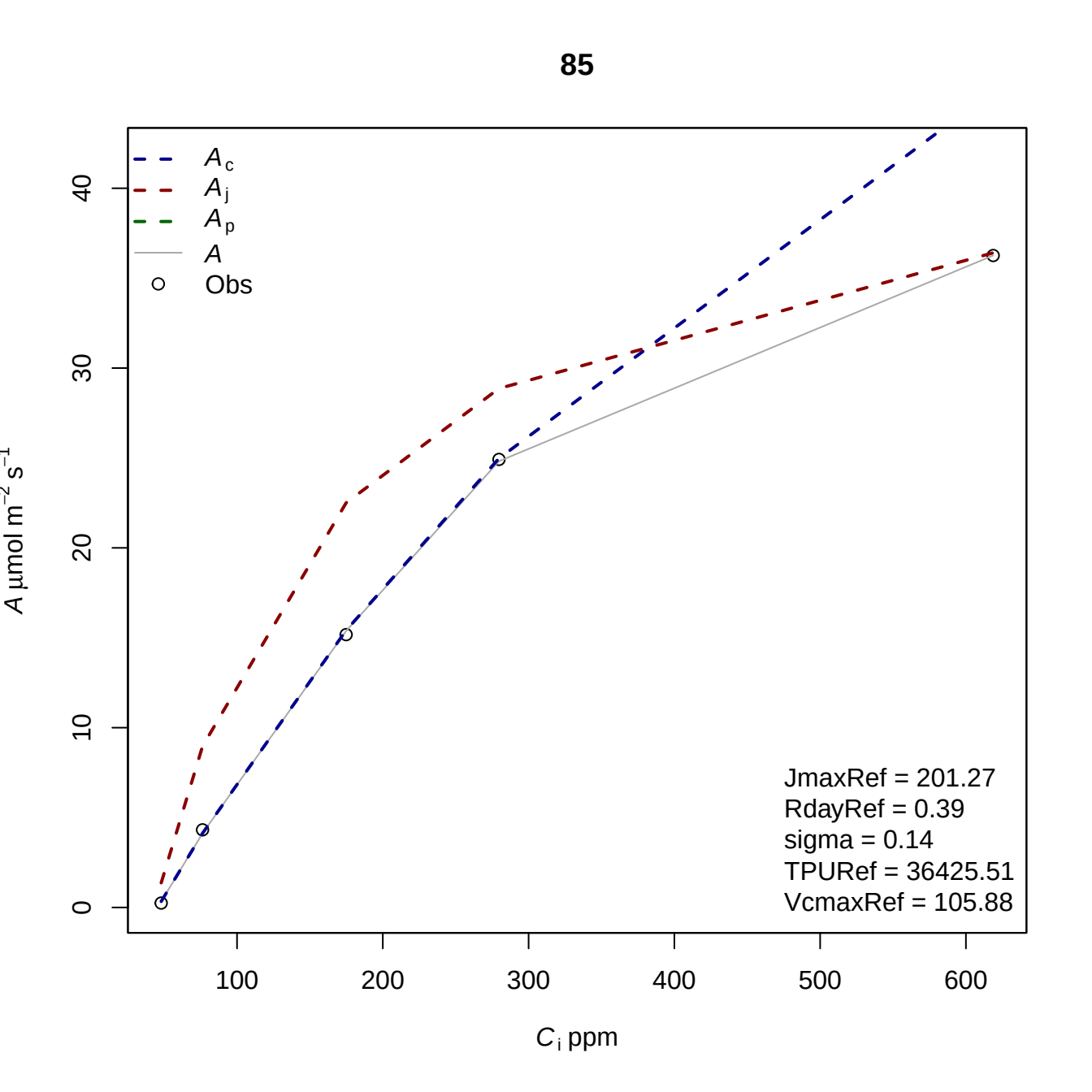

80
A_c
A_j
A_p
A
Obs
JmaxRef = 231.21
RdayRef = 0.77
sigma = 0.06
TPURef = 5144.49
VcmaxRef = 124.05
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

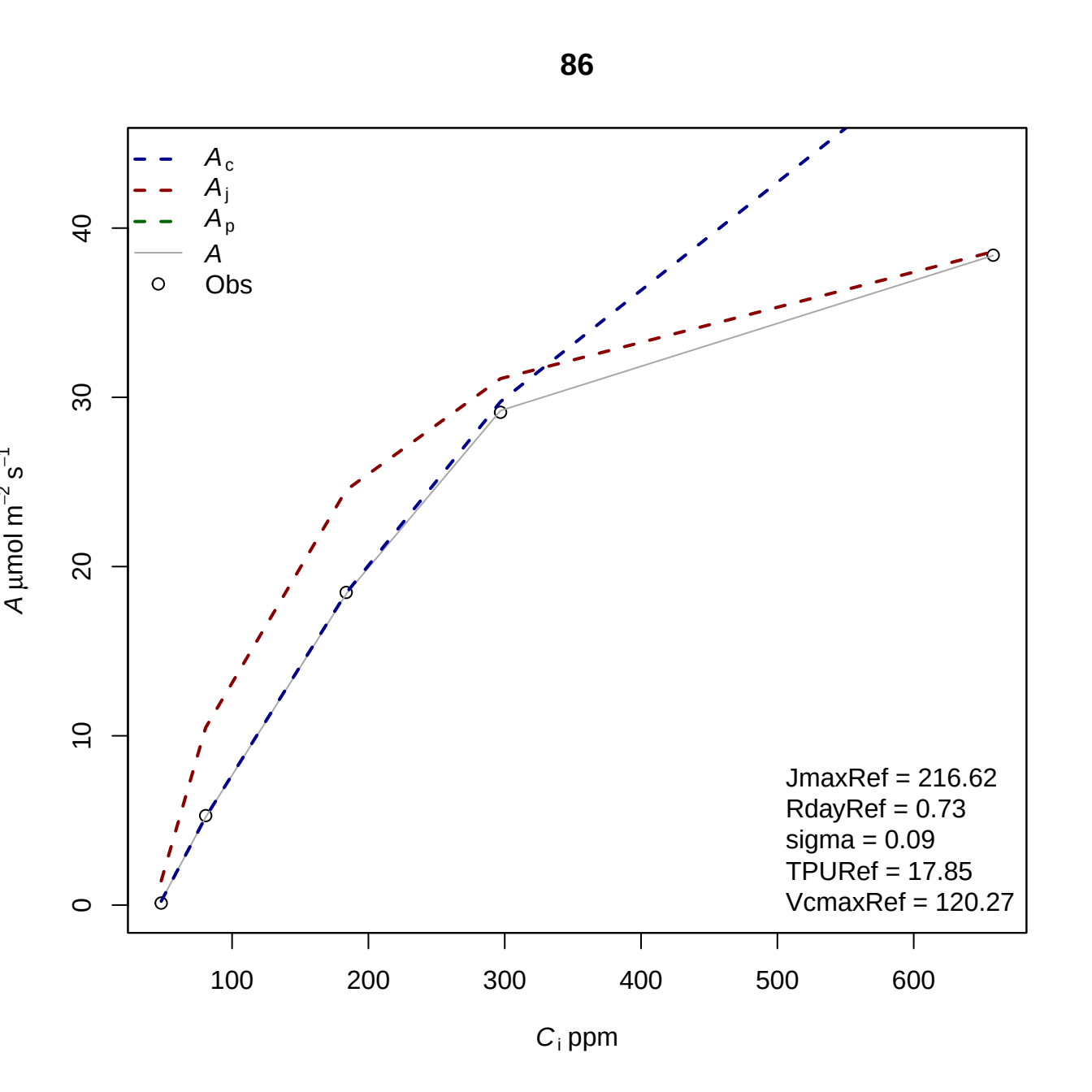

81
A_c
A_j
A_p
A
Obs
JmaxRef = 195.88
RdayRef = 0.57
sigma = 0.16
TPURef = 13.29
VcmaxRef = 102.25
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

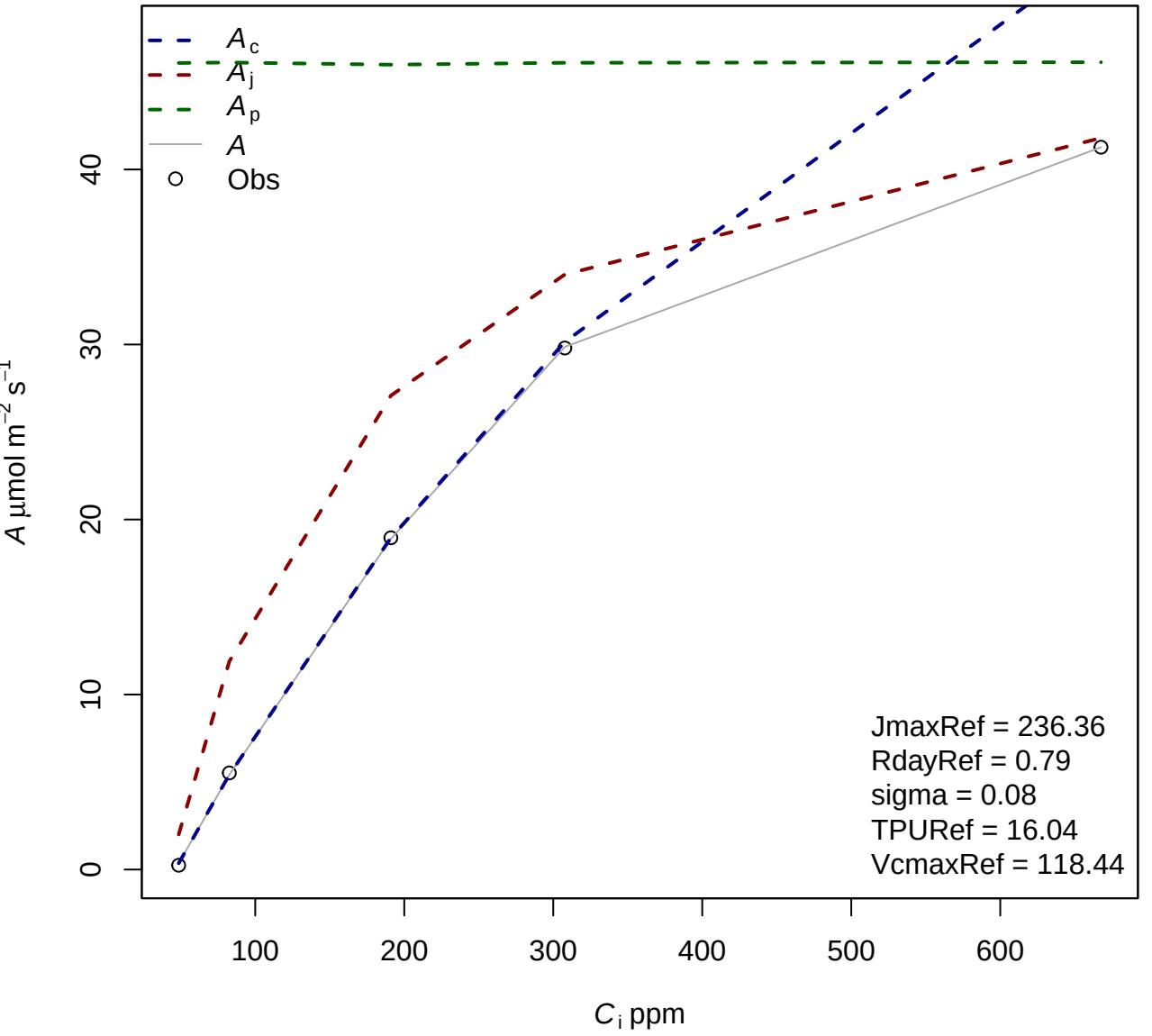

82
A_c
A_j
A_p
A
Obs
JmaxRef = 250.64
RdayRef = 0.61
sigma = 0.08
TPURef = 17.07
VcmaxRef = 130.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

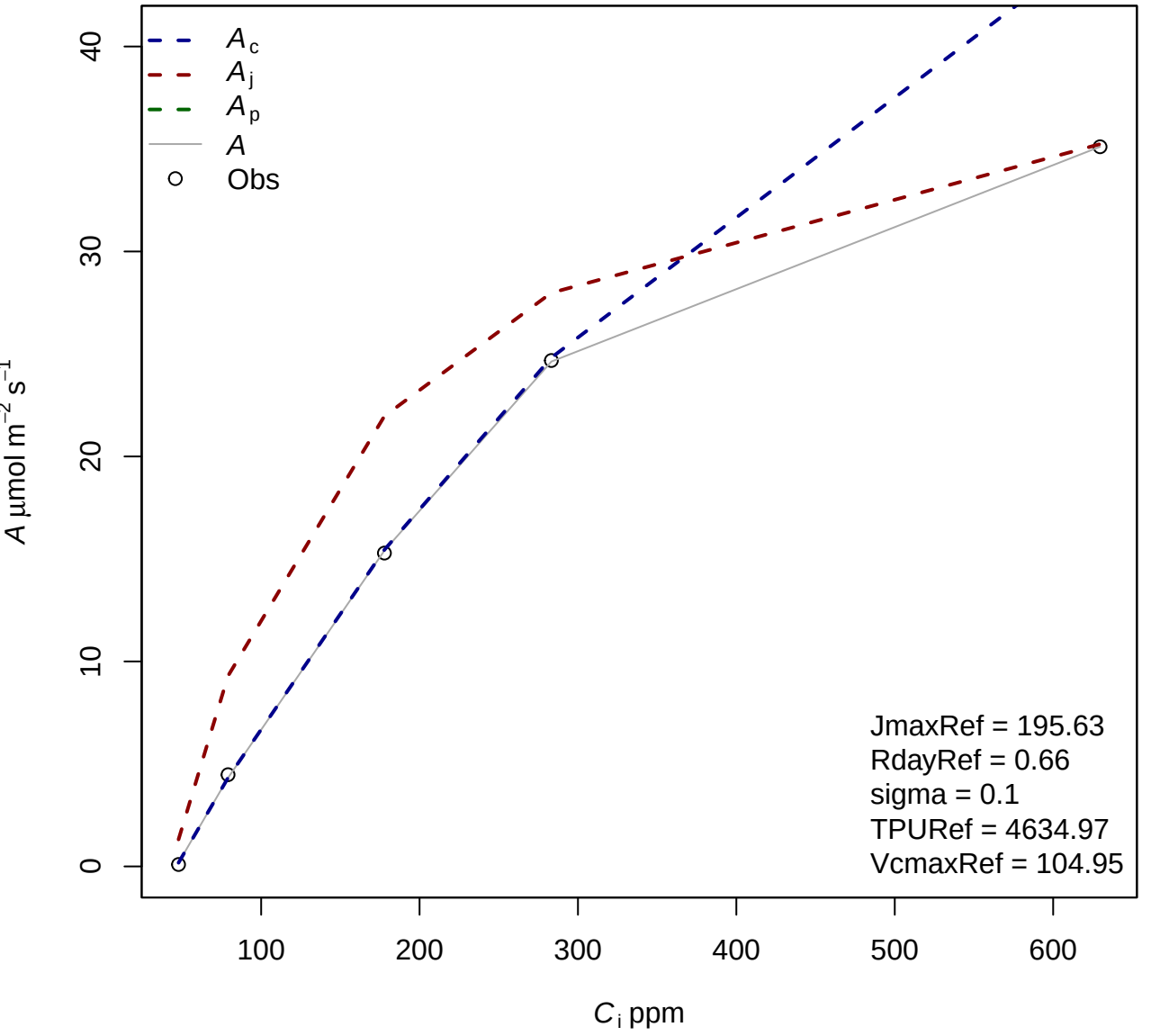

A_c
A_j
A_p
A
Obs
JmaxRef = 169.39
RdayRef = 0.28
sigma = 0.2
TPURef = 11.67
VcmaxRef = 93.65
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600

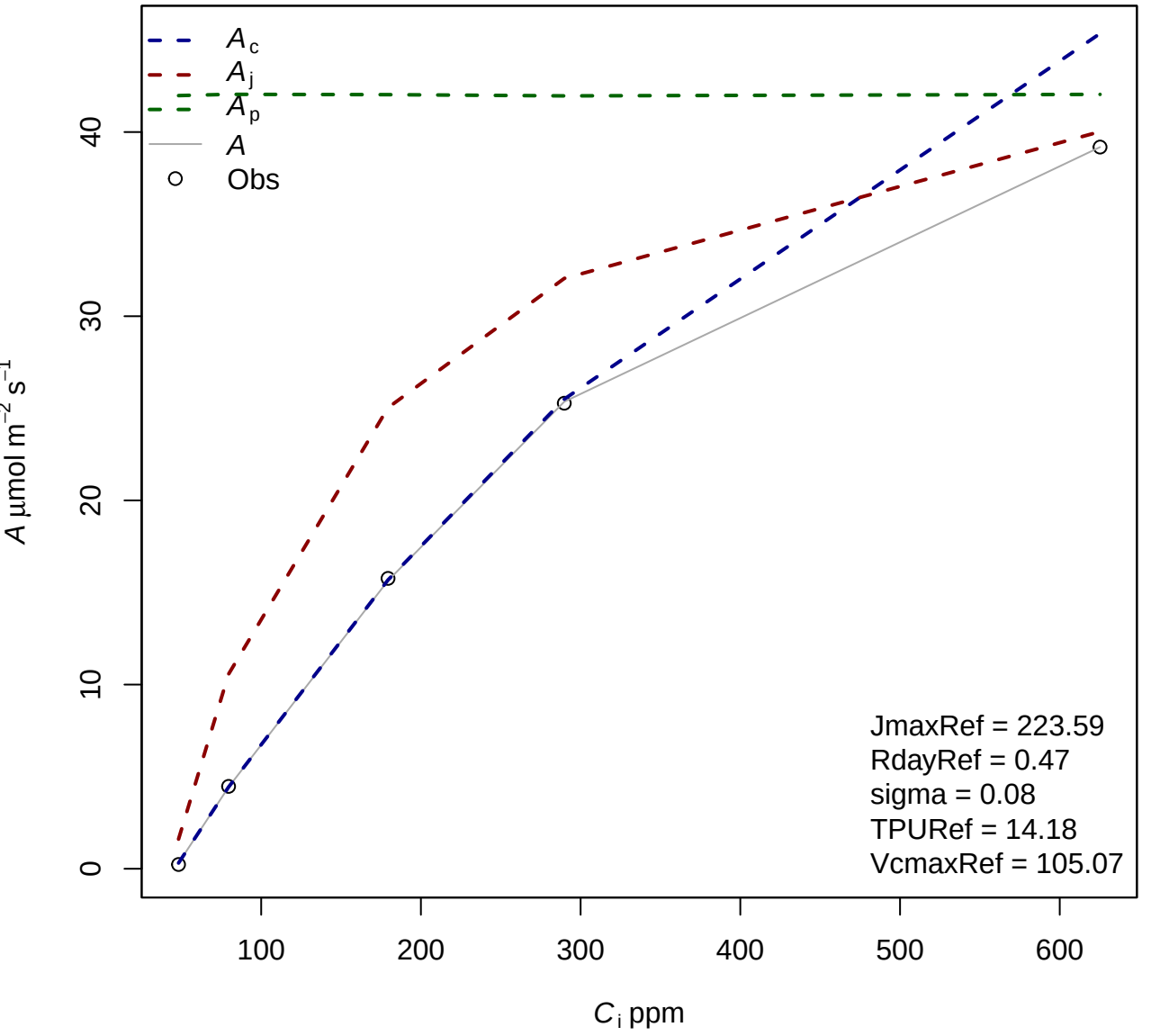

A_c
A_j
A_p
A
Obs
JmaxRef = 210.46
RdayRef = 0.57
sigma = 0.05
TPURef = 15.14
VcmaxRef = 114.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

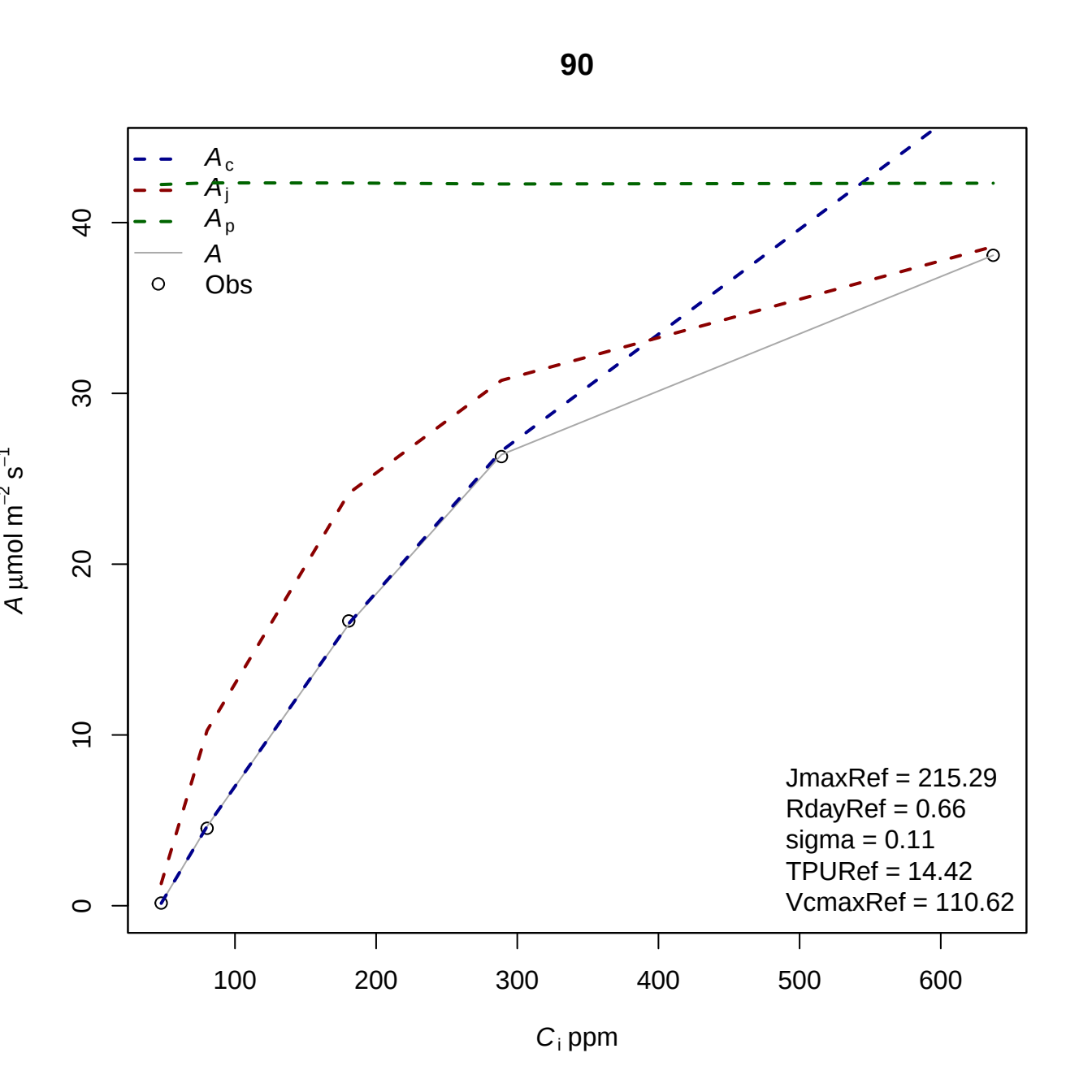

85
A_c
A_j
A_p
A
Obs
JmaxRef = 201.27
RdayRef = 0.39
sigma = 0.14
TPURef = 36425.51
VcmaxRef = 105.88
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

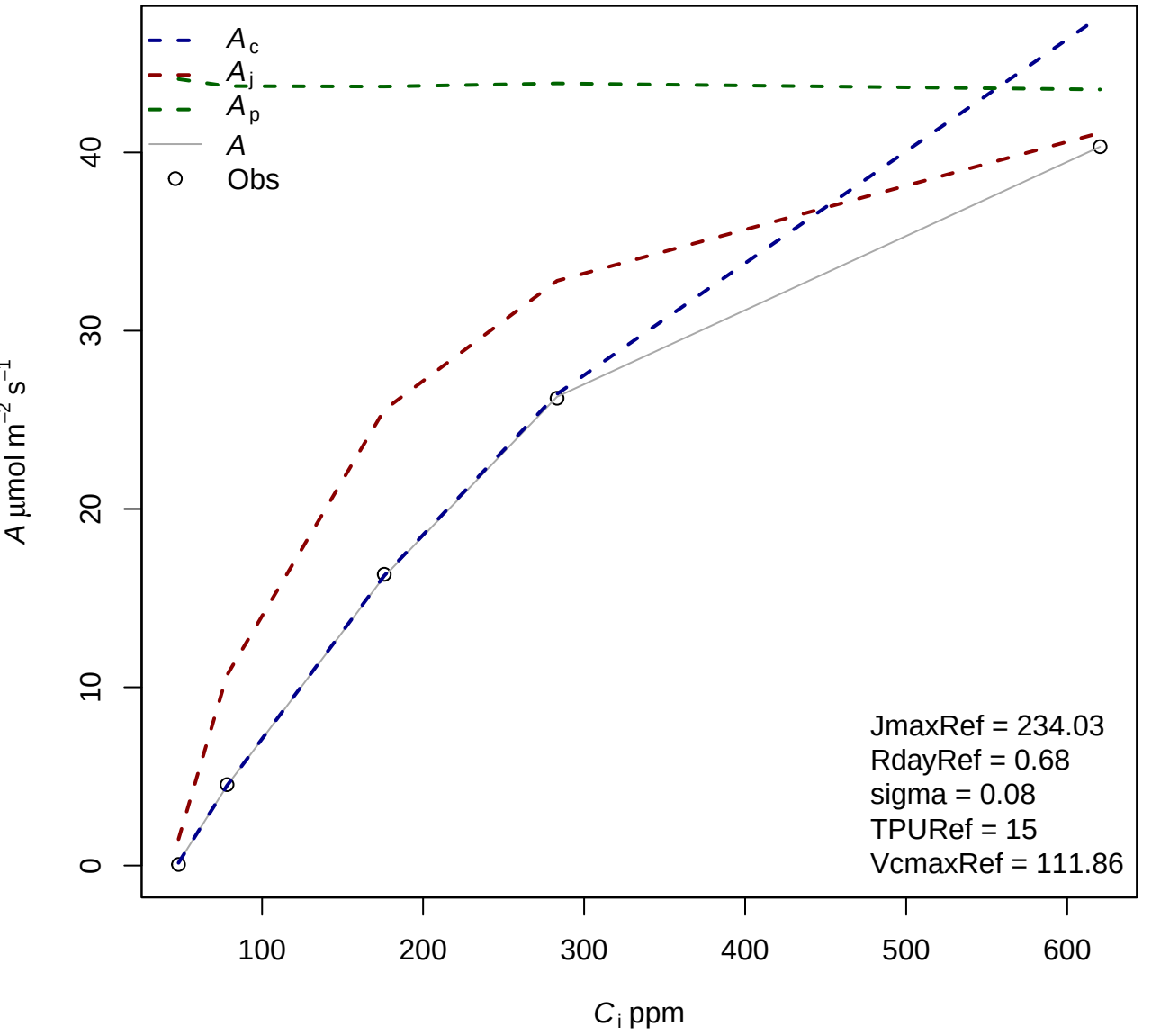

86
A_c
A_j
A_p
A
Obs
JmaxRef = 216.62
RdayRef = 0.73
sigma = 0.09
TPURef = 17.85
VcmaxRef = 120.27
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

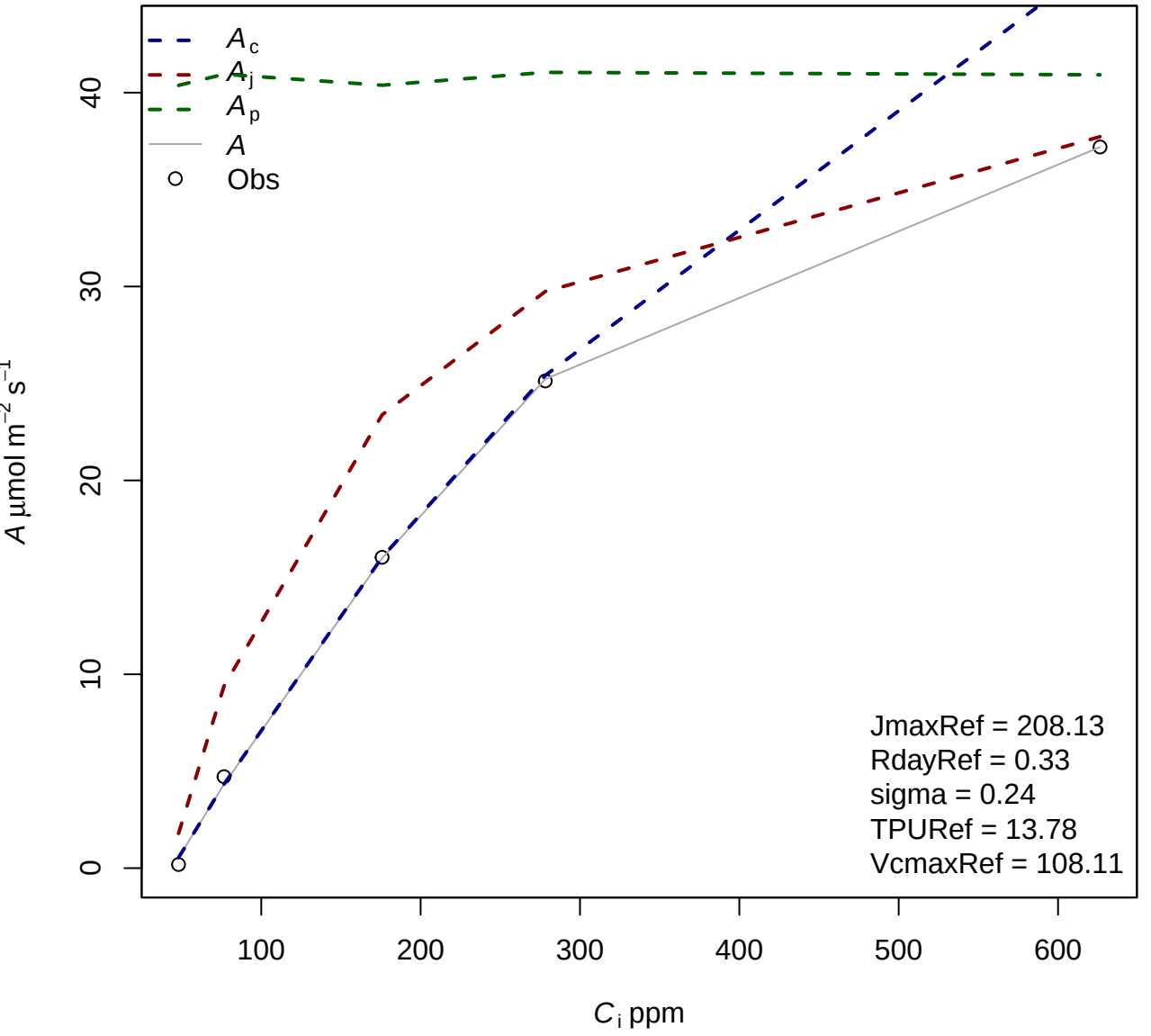

A_c
A_j
A_p
A
Obs
JmaxRef = 236.36
RdayRef = 0.79
sigma = 0.08
TPURef = 16.04
VcmaxRef = 118.44
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

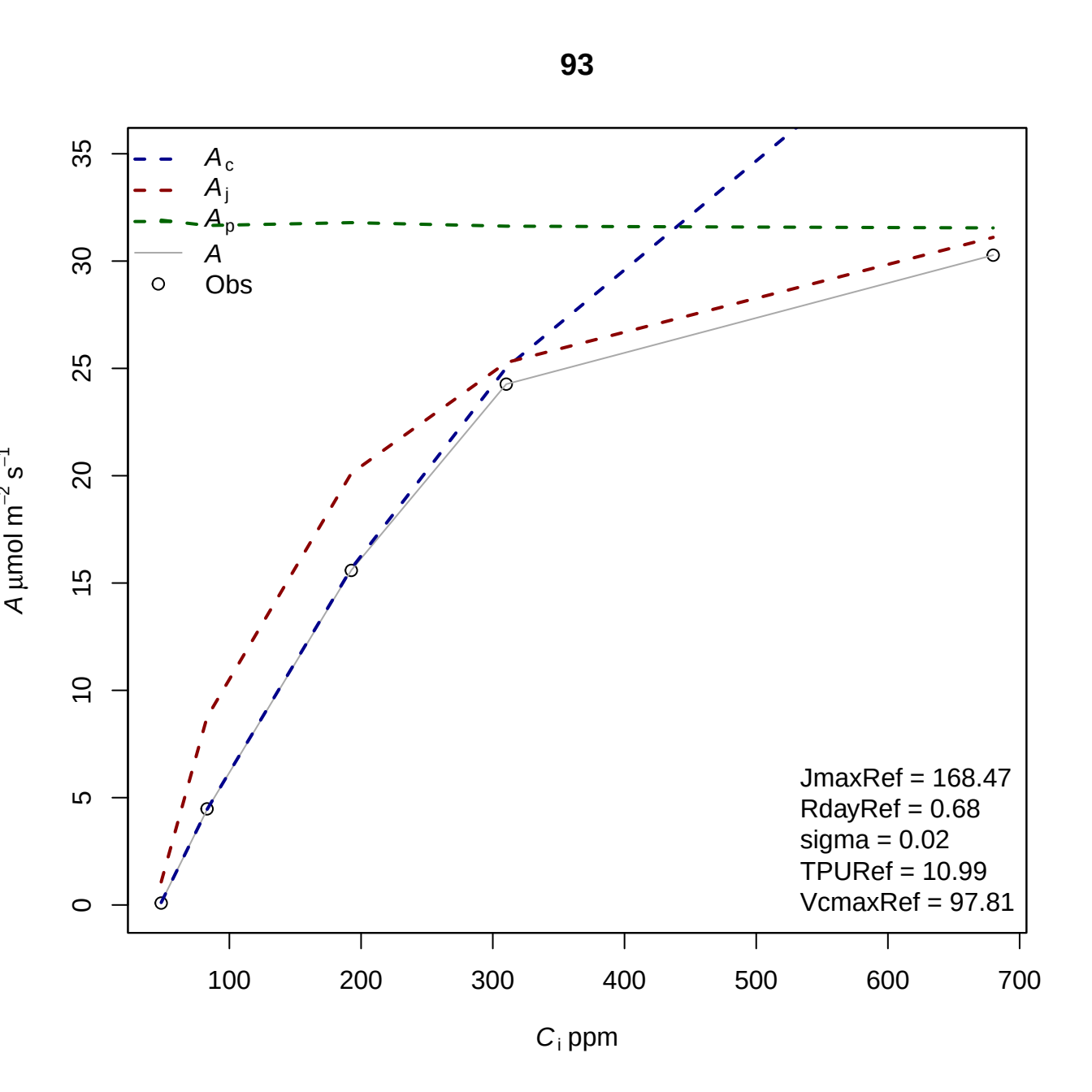

A_c
A_j
A_p
A
Obs
JmaxRef = 195.63
RdayRef = 0.66
sigma = 0.1
TPURef = 4634.97
VcmaxRef = 104.95
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

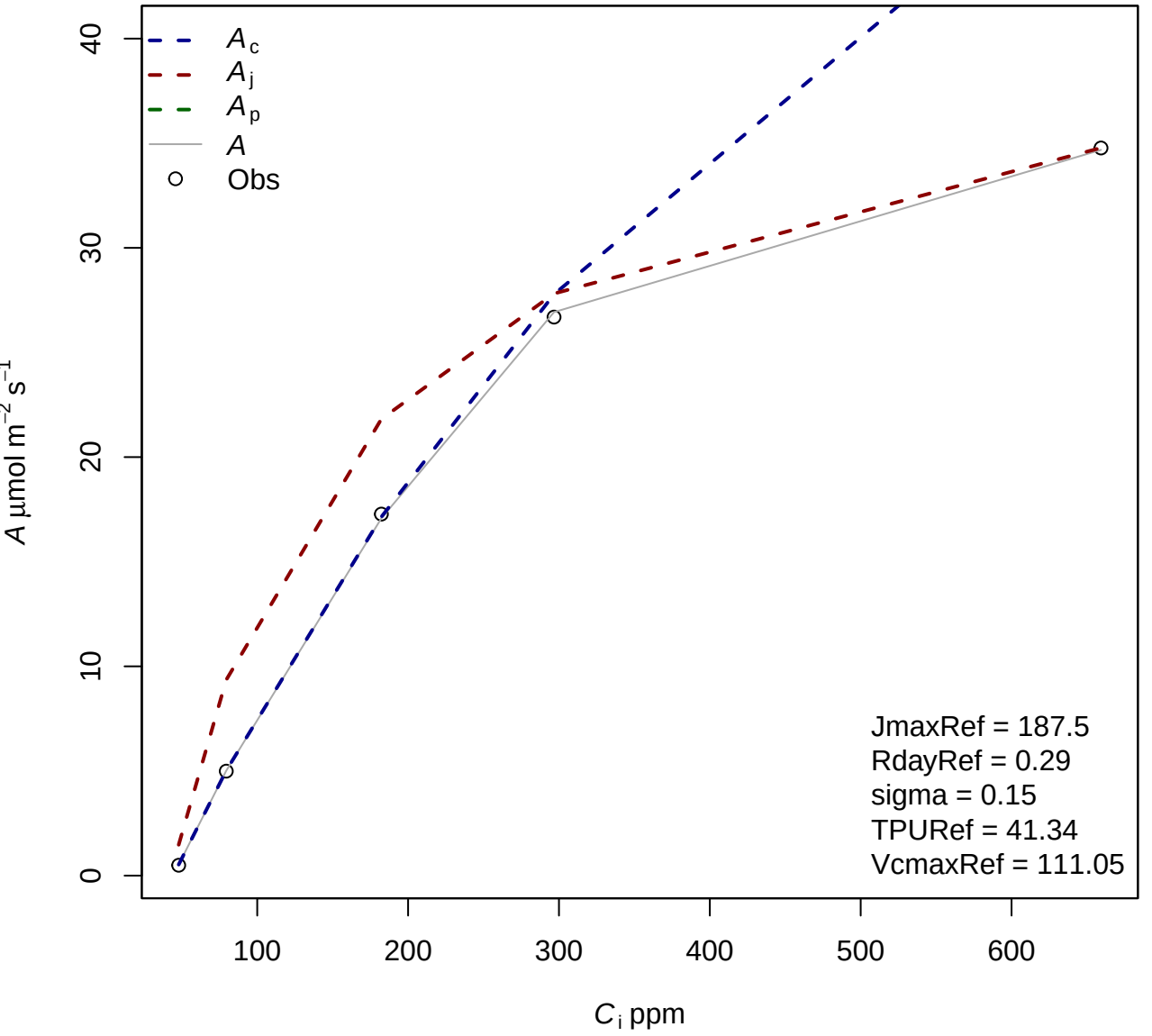

A_c
A_j
A_p
A
Obs
JmaxRef = 223.59
RdayRef = 0.47
sigma = 0.08
TPURef = 14.18
VcmaxRef = 105.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

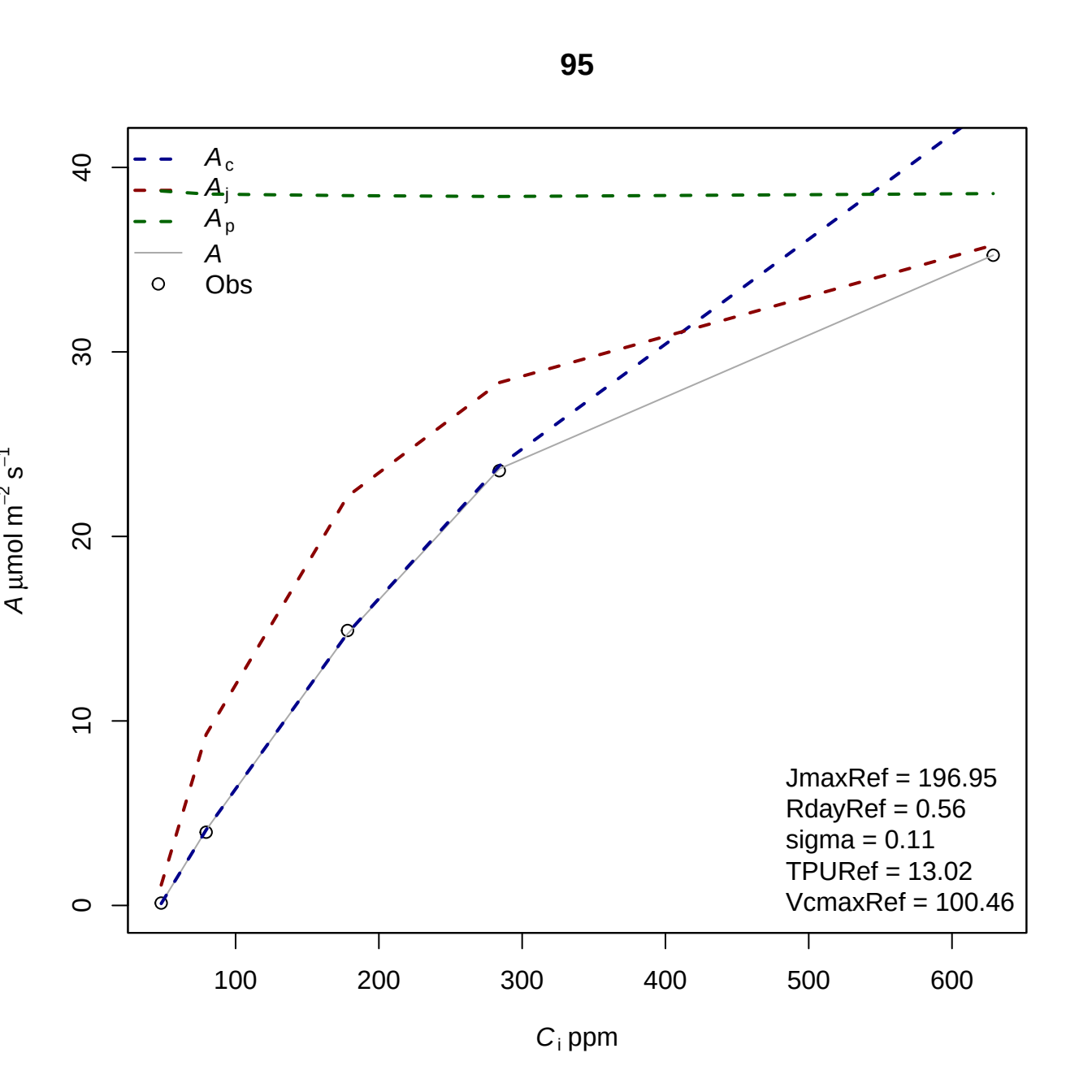

90
A_c
A_j
A_p
A
Obs
JmaxRef = 215.29
RdayRef = 0.66
sigma = 0.11
TPURef = 14.42
VcmaxRef = 110.62
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

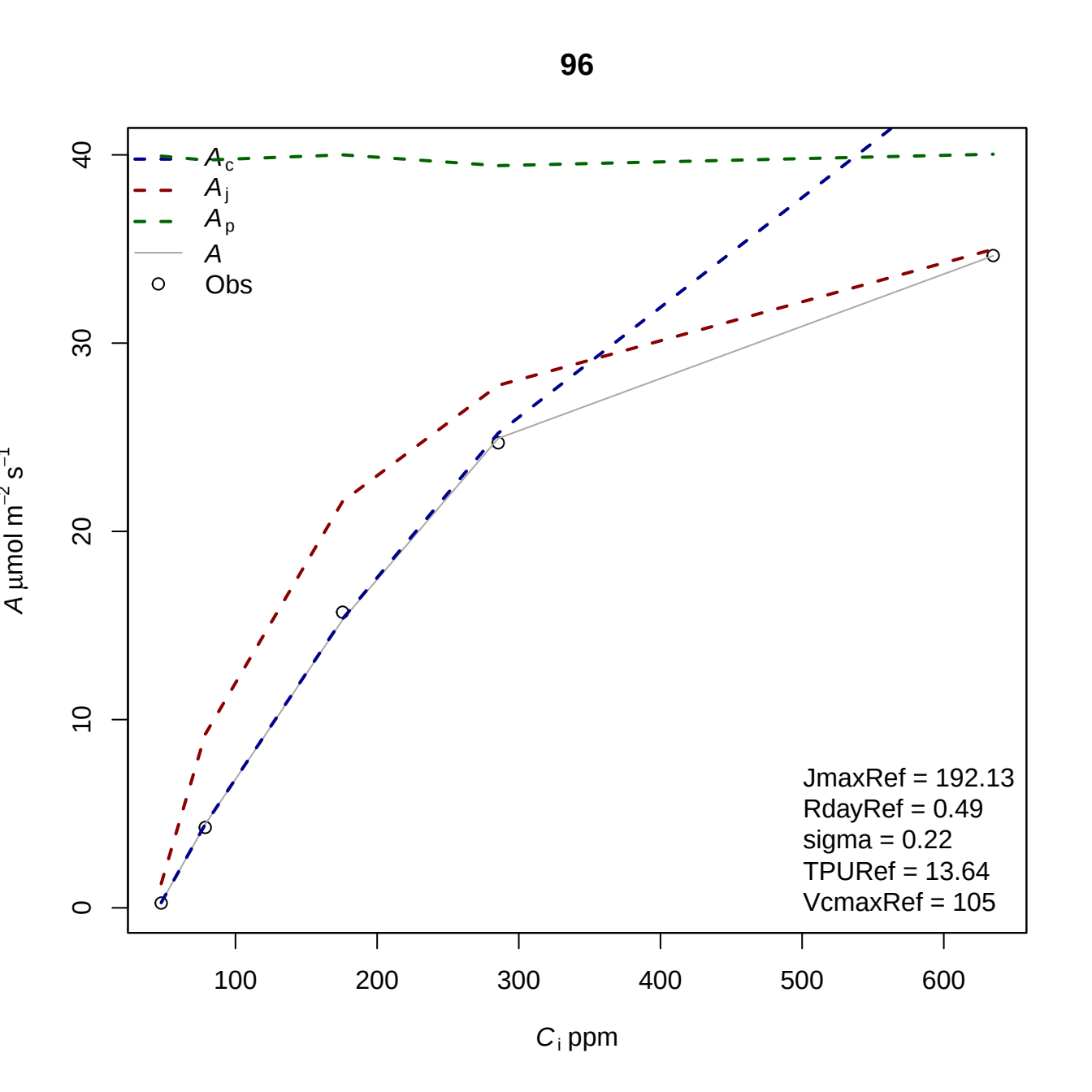

A_c
A_j
A_p
A
Obs
JmaxRef = 234.03
RdayRef = 0.68
sigma = 0.08
TPURef = 15
VcmaxRef = 111.86
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

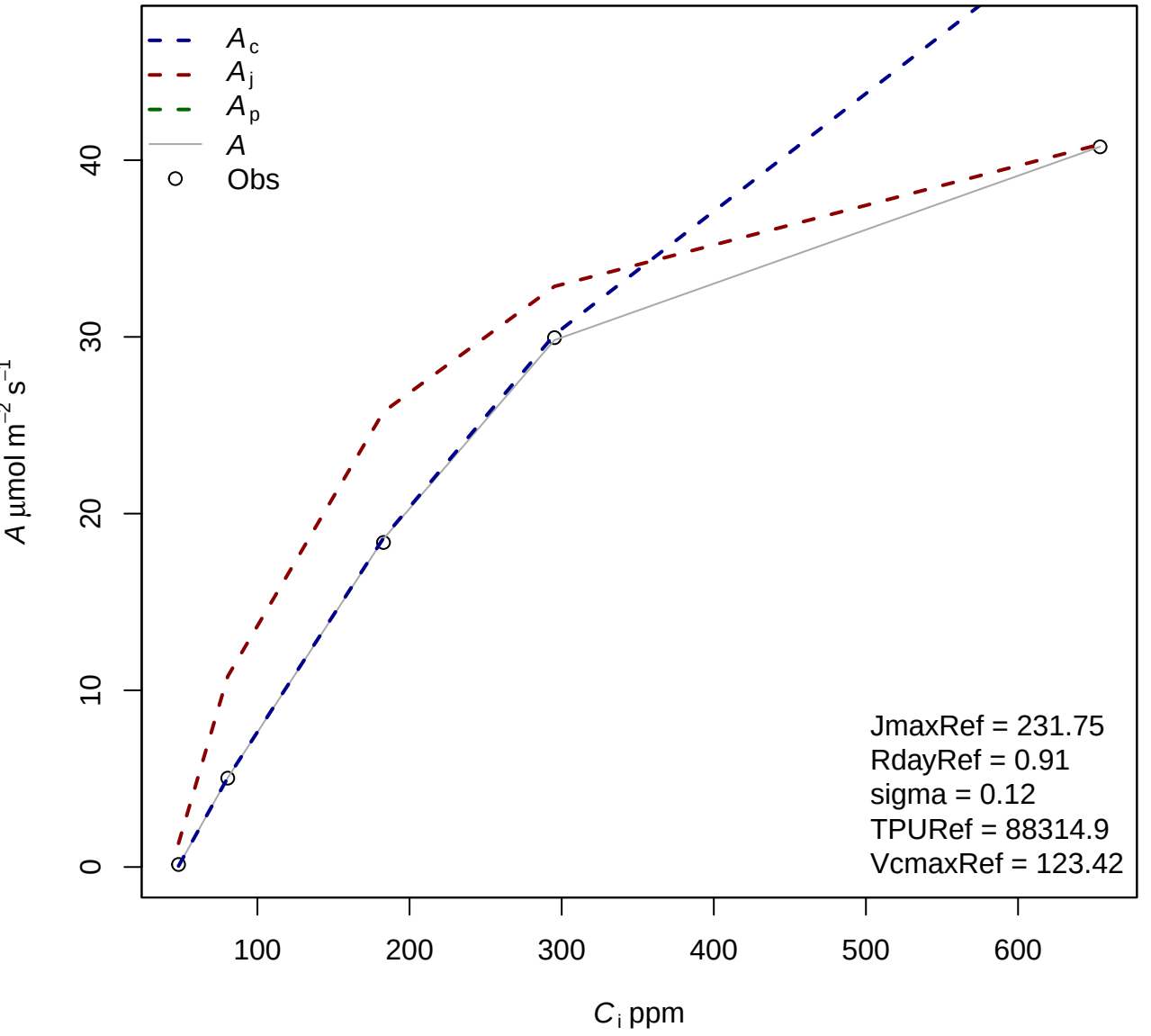

A_c
A_j
A_p
A
Obs
JmaxRef = 208.13
RdayRef = 0.33
sigma = 0.24
TPURef = 13.78
VcmaxRef = 108.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

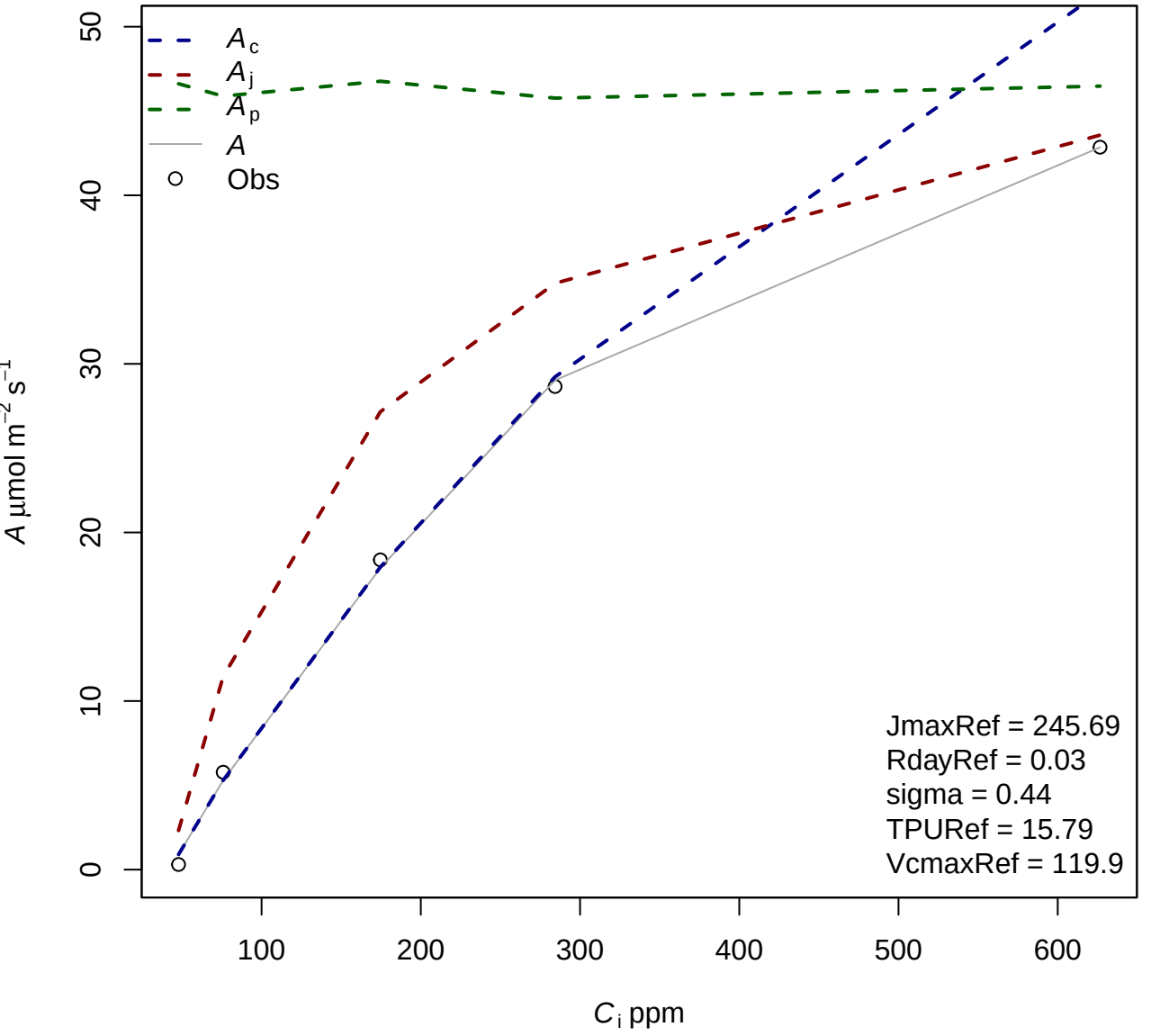

93
A_c
A_j
A_p
A
Obs
JmaxRef = 168.47
RdayRef = 0.68
sigma = 0.02
TPURef = 10.99
VcmaxRef = 97.81
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600
700

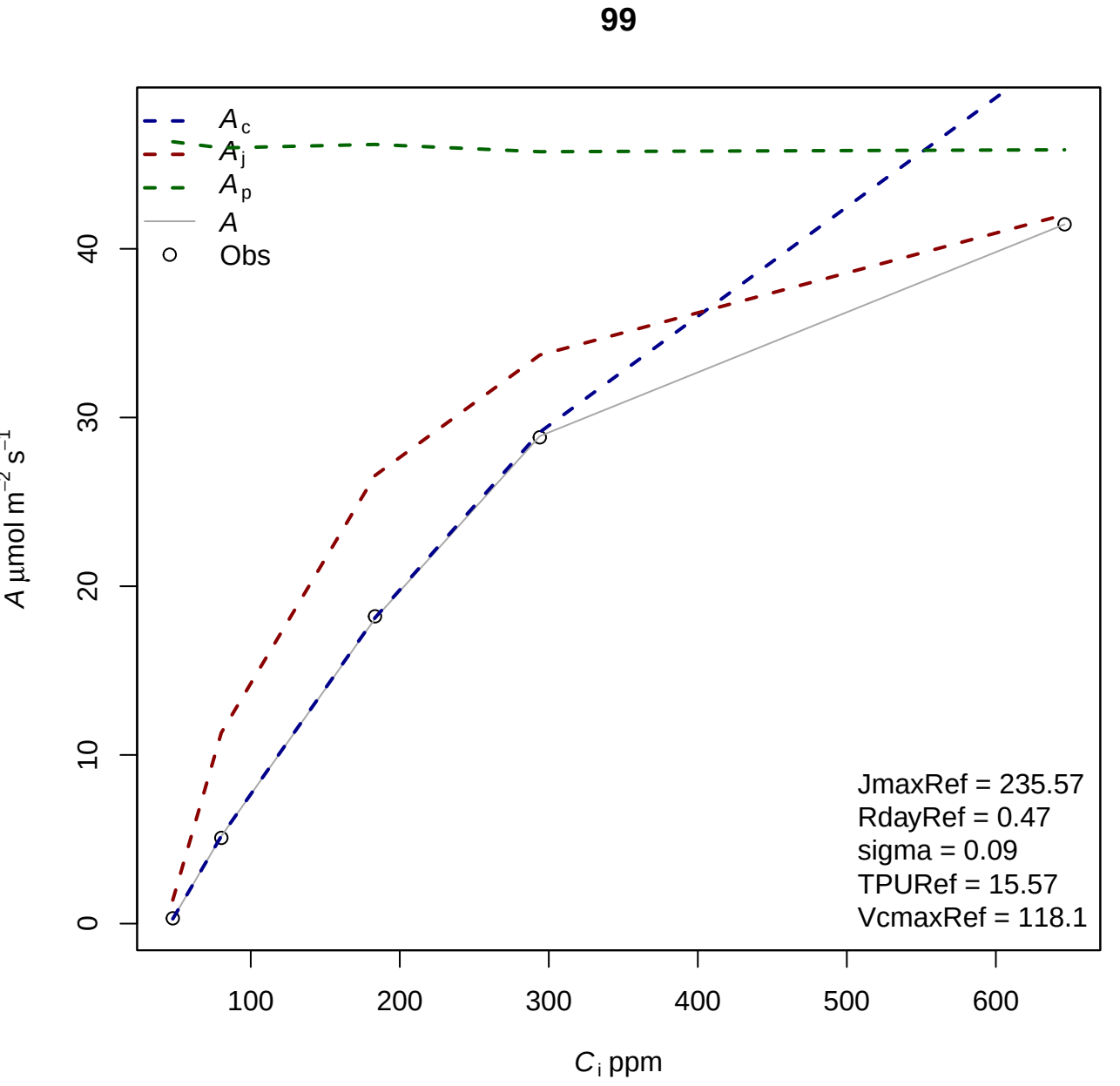

A_c
A_j
A_p
A
Obs
JmaxRef = 187.5
RdayRef = 0.29
sigma = 0.15
TPURef = 41.34
VcmaxRef = 111.05
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

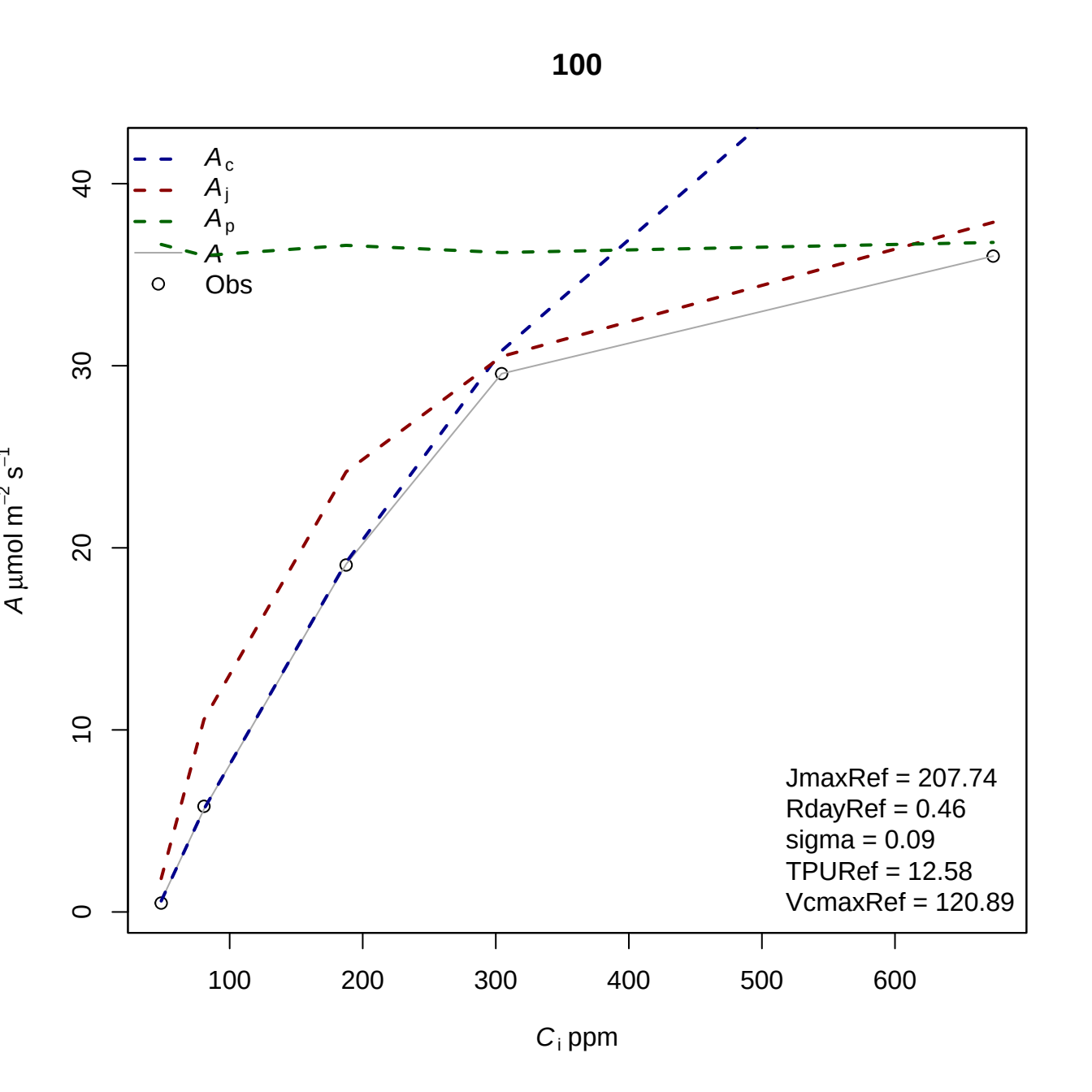

95
A_c
A_j
A_p
A
Obs
JmaxRef = 196.95
RdayRef = 0.56
sigma = 0.11
TPURef = 13.02
VcmaxRef = 100.46
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

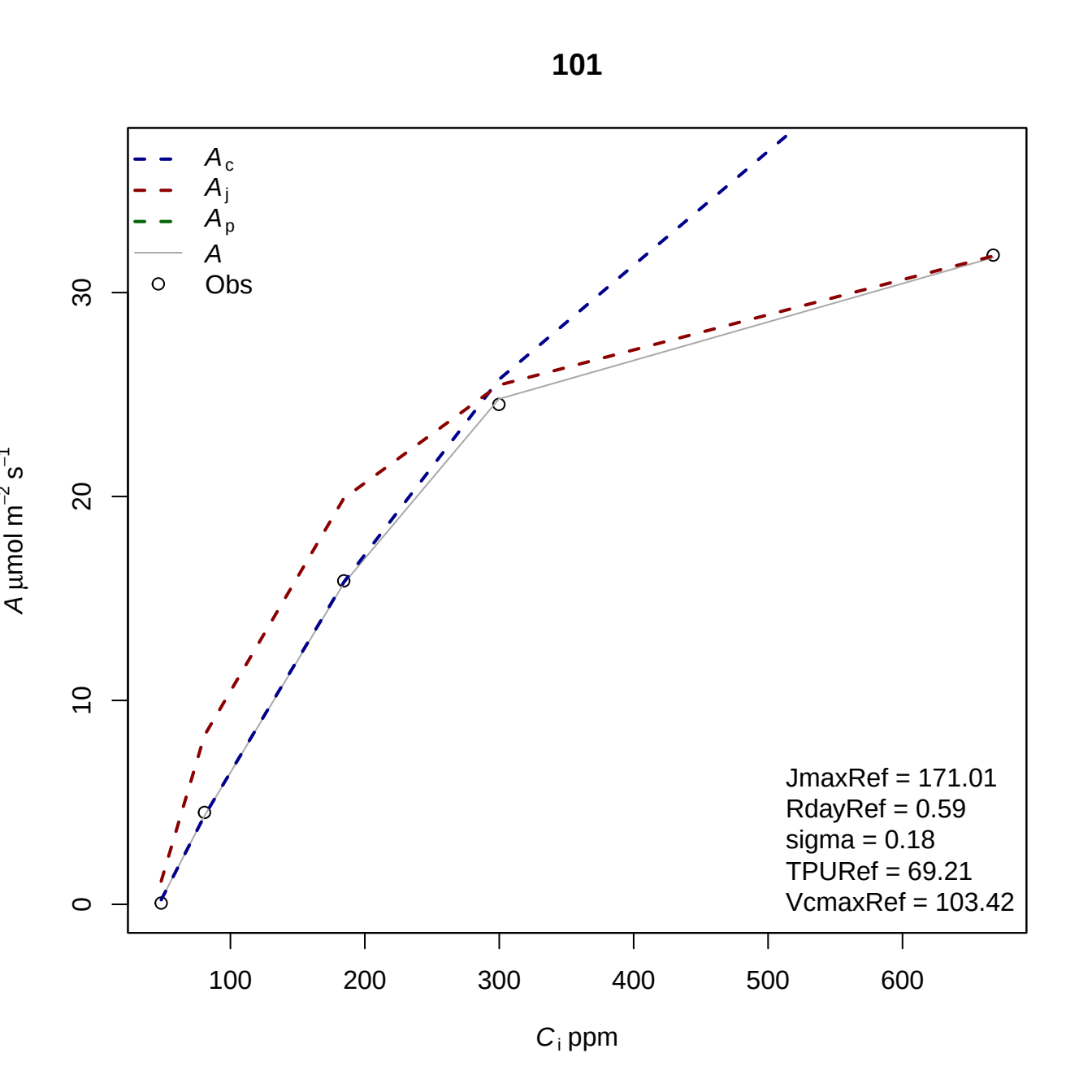

96
A_c
A_j
A_p
A
Obs
JmaxRef = 192.13
RdayRef = 0.49
sigma = 0.22
TPURef = 13.64
VcmaxRef = 105
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

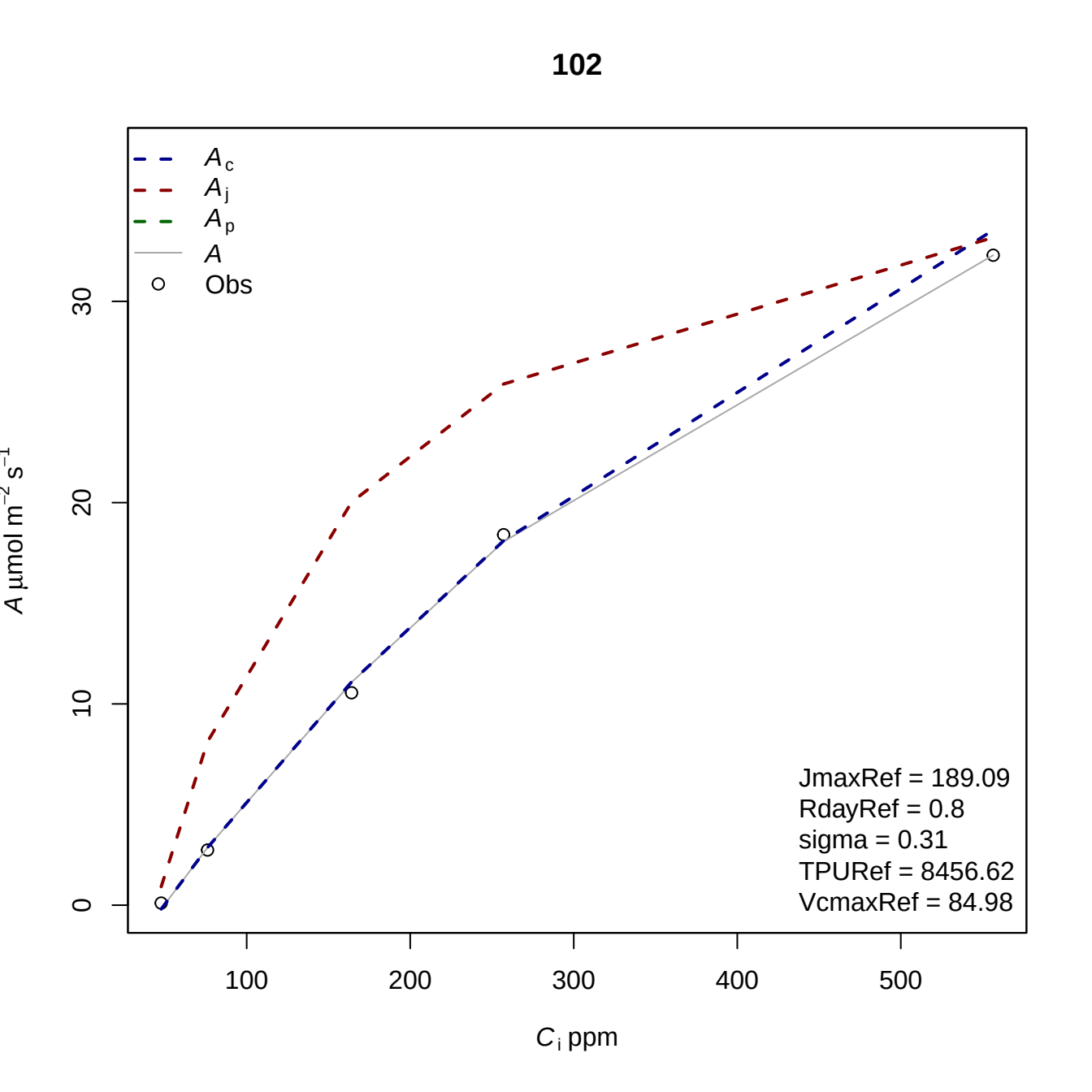

A_c
A_j
A_p
A
Obs
JmaxRef = 231.75
RdayRef = 0.91
sigma = 0.12
TPURef = 88314.9
VcmaxRef = 123.42
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
600
C_i ppm

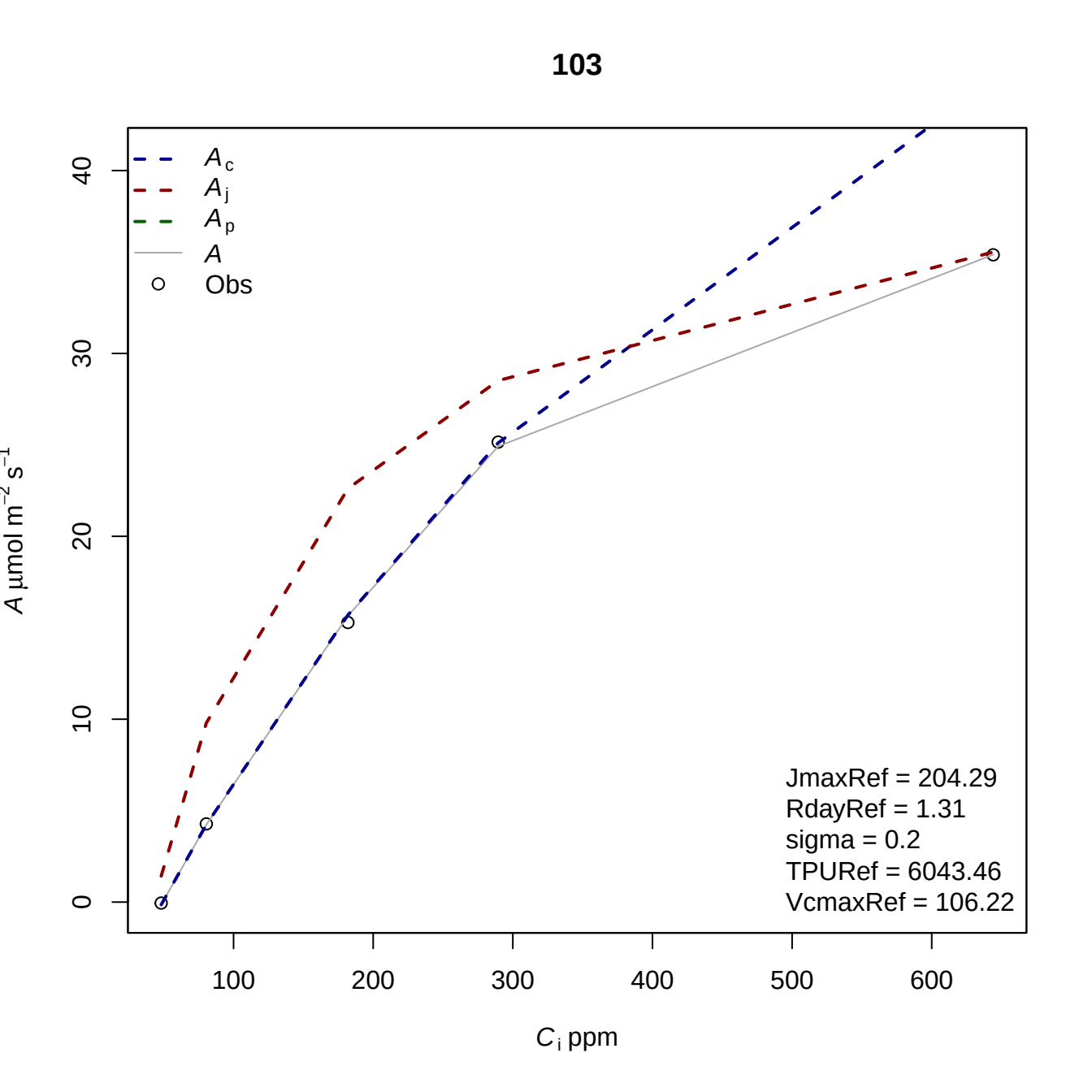

A_c
A_j
A_p
A
Obs
JmaxRef = 245.69
RdayRef = 0.03
sigma = 0.44
TPURef = 15.79
VcmaxRef = 119.9
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

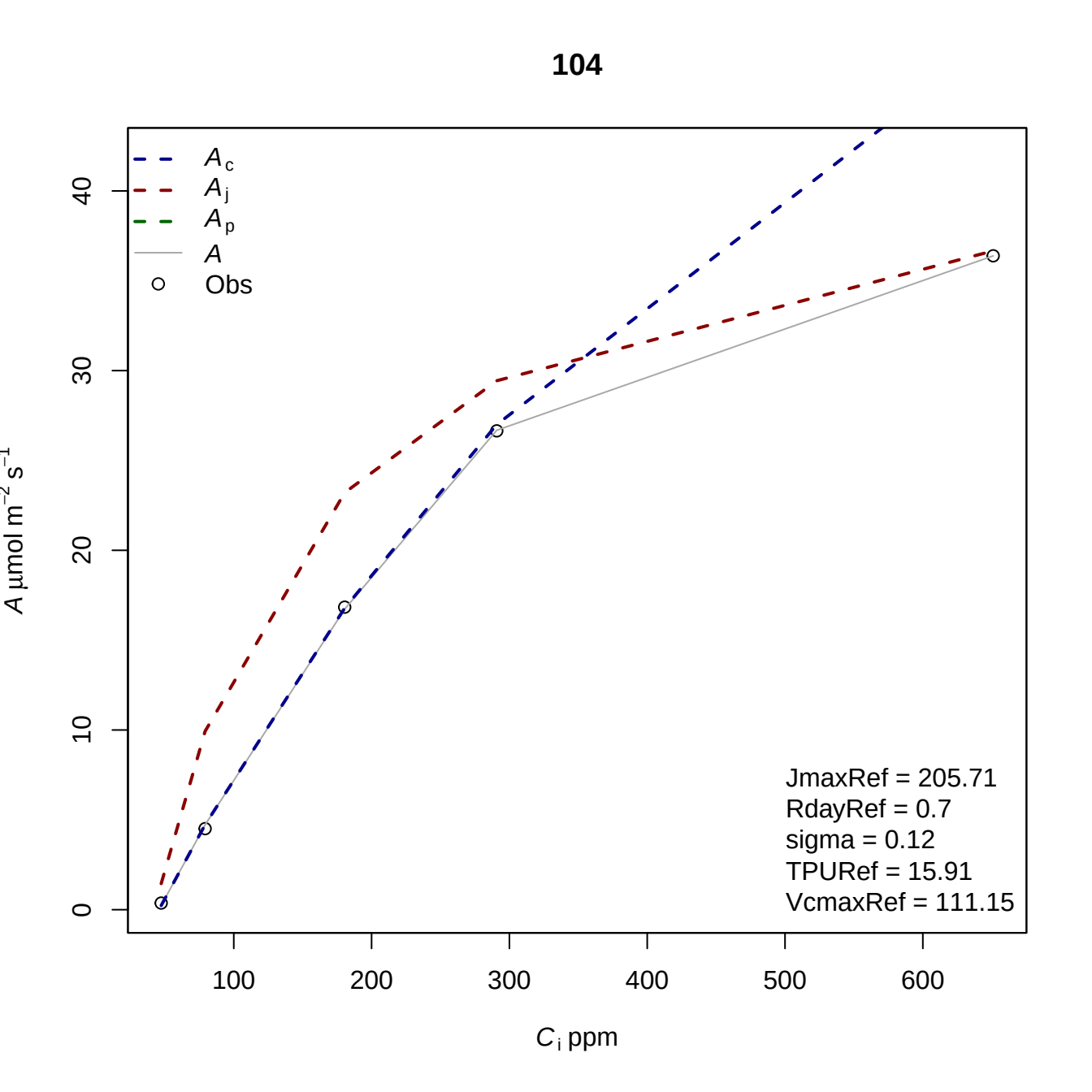

99
A_c
A_j
A_p
A
Obs
JmaxRef = 235.57
RdayRef = 0.47
sigma = 0.09
TPURef = 15.57
VcmaxRef = 118.1
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
600
C_i ppm

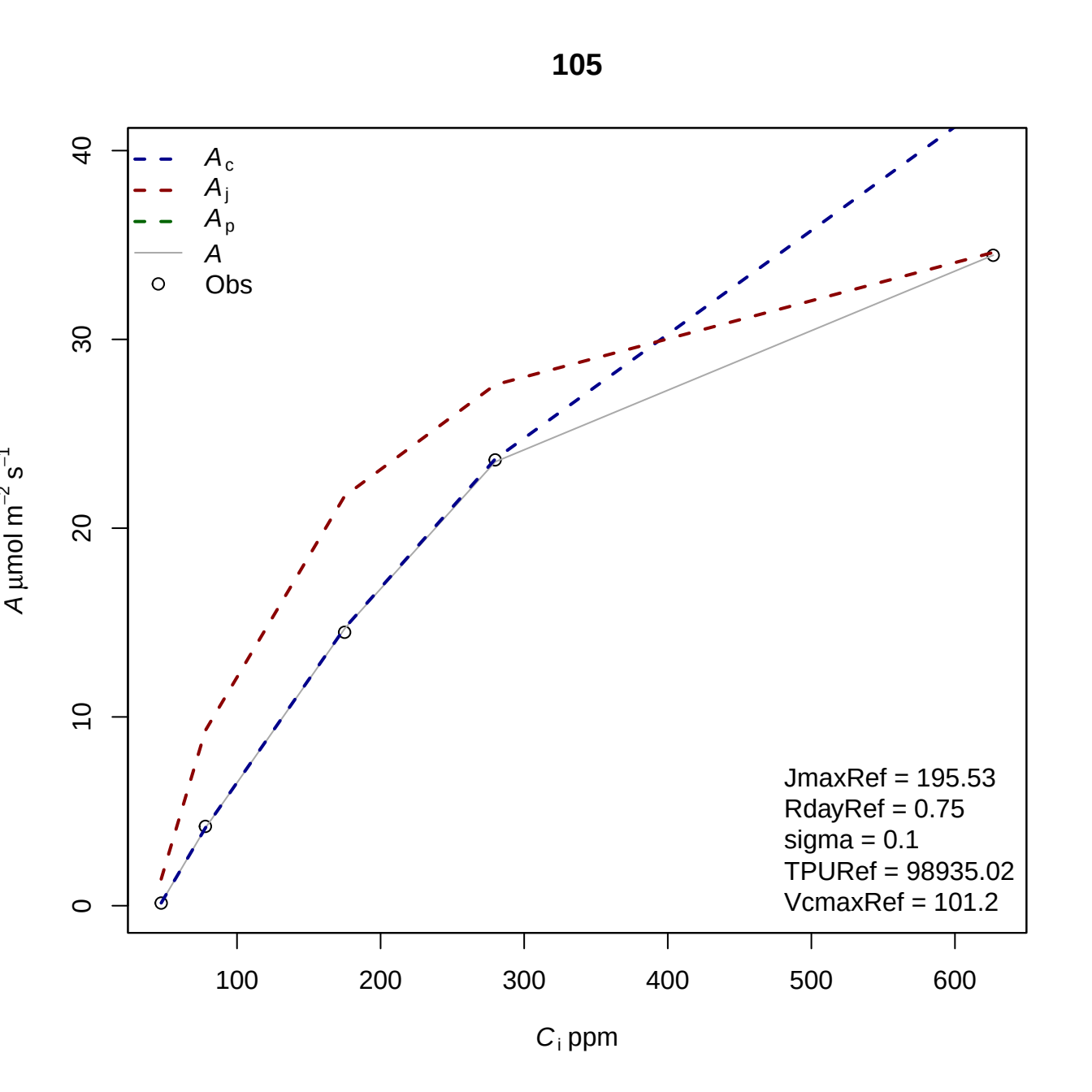

100
A_c
A_j
A_p
A
Obs
JmaxRef = 207.74
RdayRef = 0.46
sigma = 0.09
TPURef = 12.58
VcmaxRef = 120.89
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

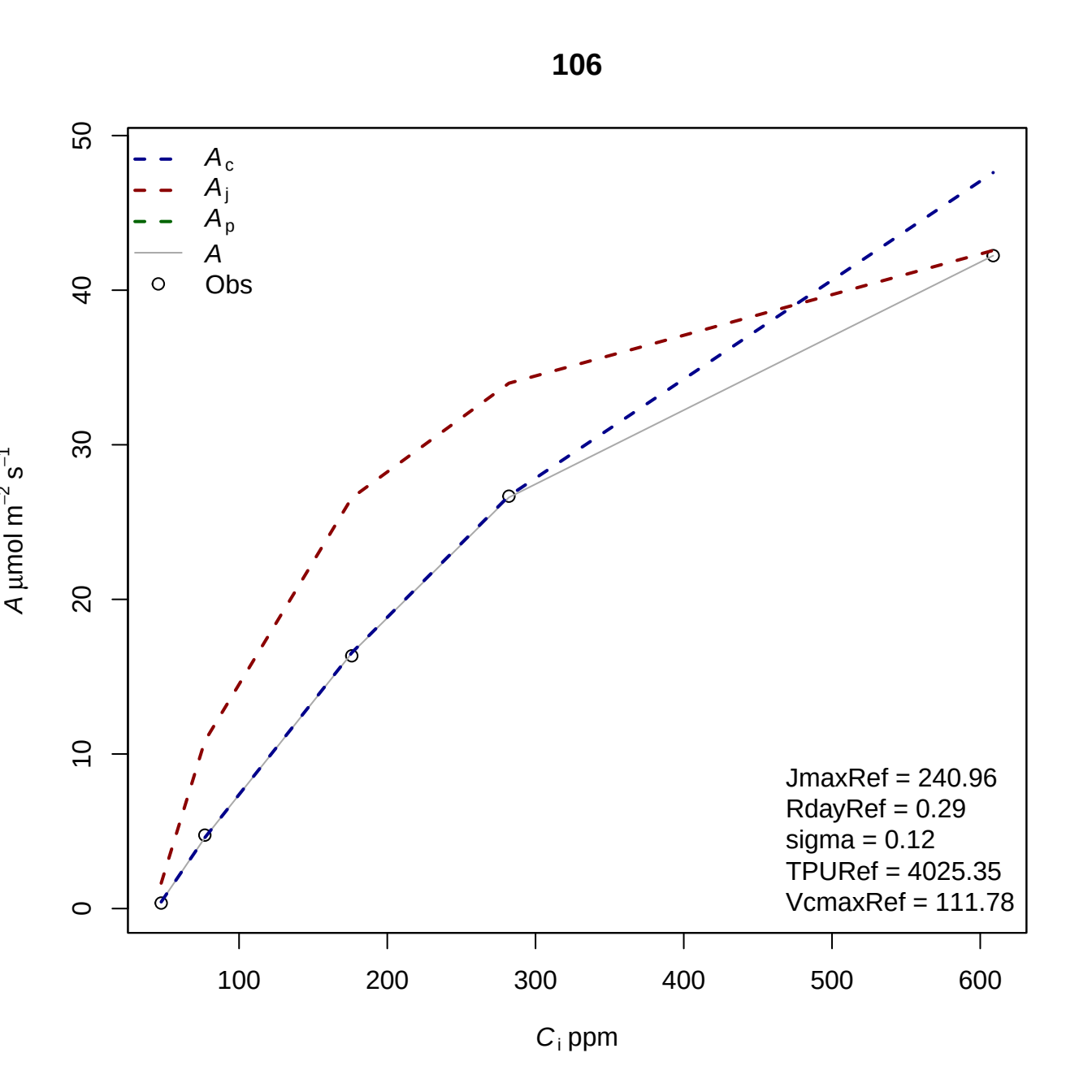

101
A_c
A_j
A_p
A
Obs
JmaxRef = 171.01
RdayRef = 0.59
sigma = 0.18
TPURef = 69.21
VcmaxRef = 103.42
0
10
20
30
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

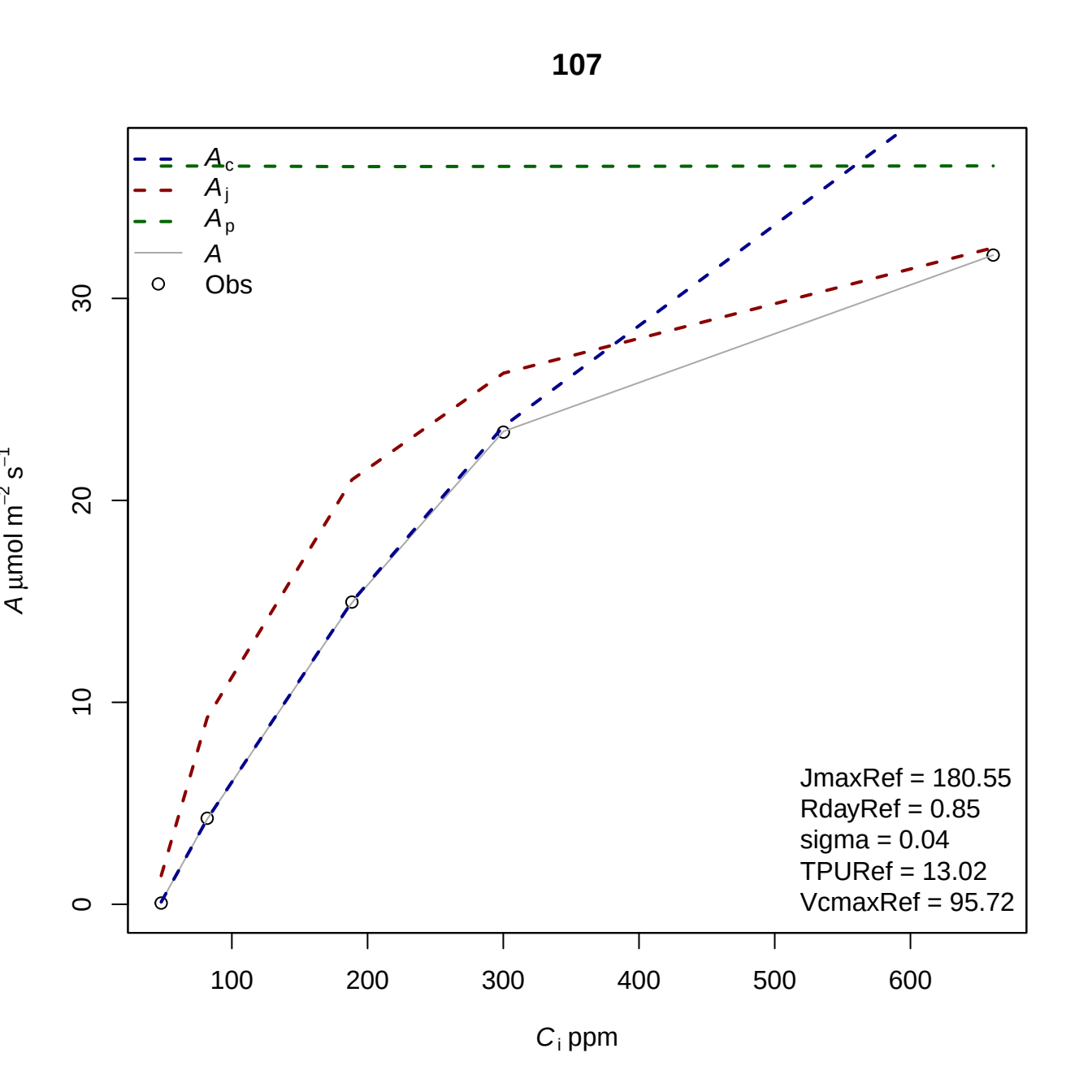

102
A_c
A_j
A_p
A
Obs
JmaxRef = 189.09
RdayRef = 0.8
sigma = 0.31
TPURef = 8456.62
VcmaxRef = 84.98
A µmol m^{-2} s^{-1}
0
10
20
30
100
200
300
400
500
C_i ppm

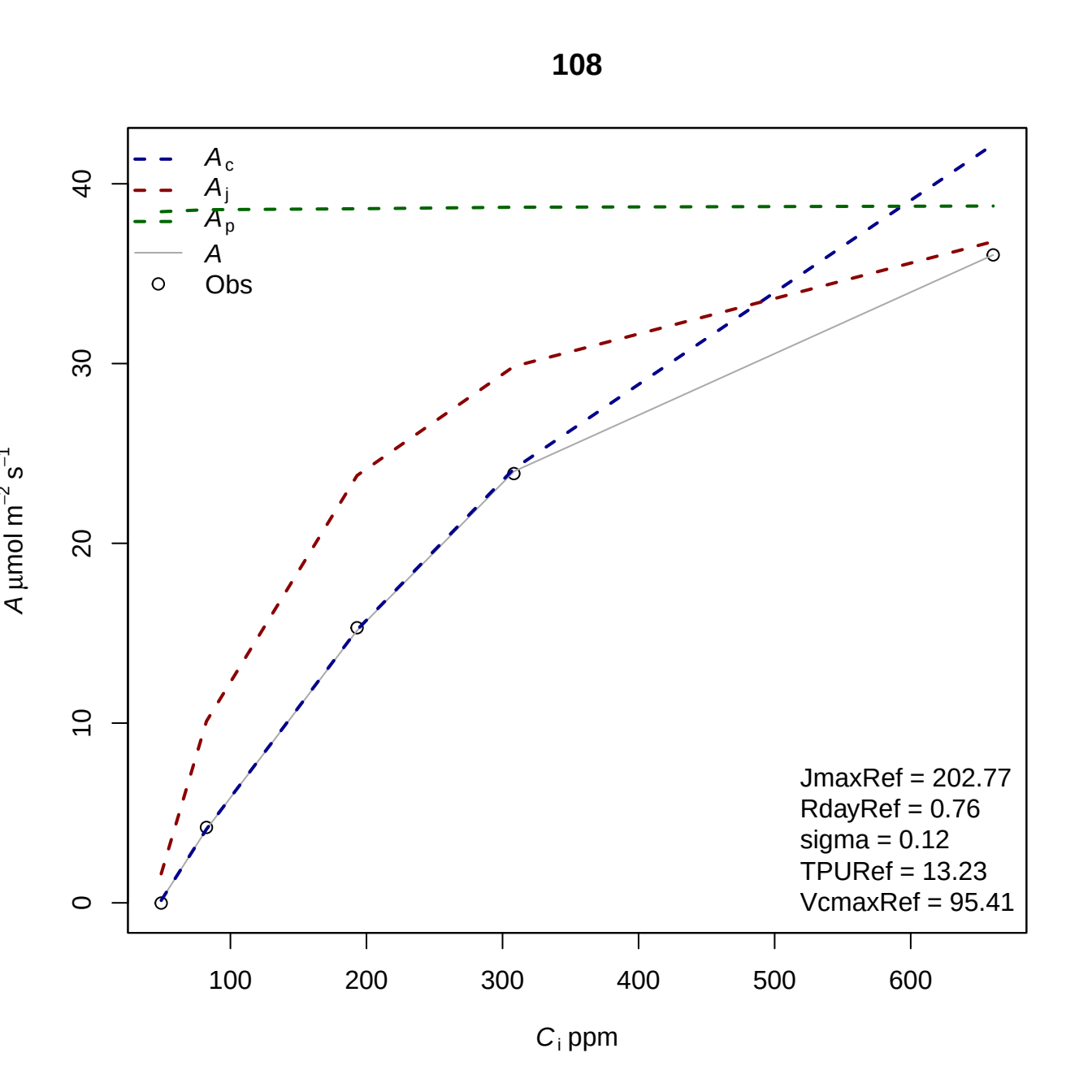

103
A_c
A_j
A_p
A
Obs
JmaxRef = 204.29
RdayRef = 1.31
sigma = 0.2
TPURef = 6043.46
VcmaxRef = 106.22
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

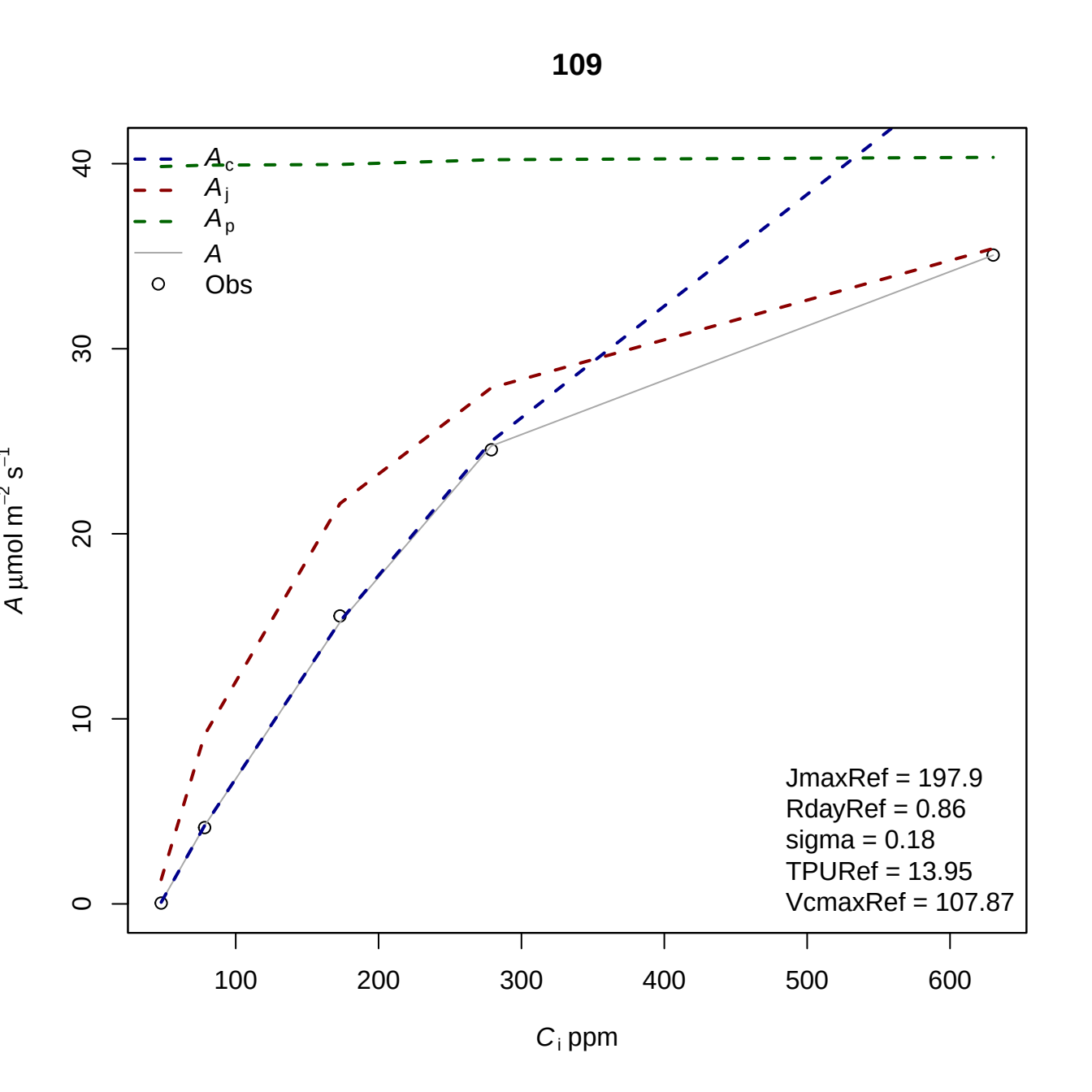

104
A_c
A_j
A_p
A
Obs
JmaxRef = 205.71
RdayRef = 0.7
sigma = 0.12
TPURef = 15.91
VcmaxRef = 111.15
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

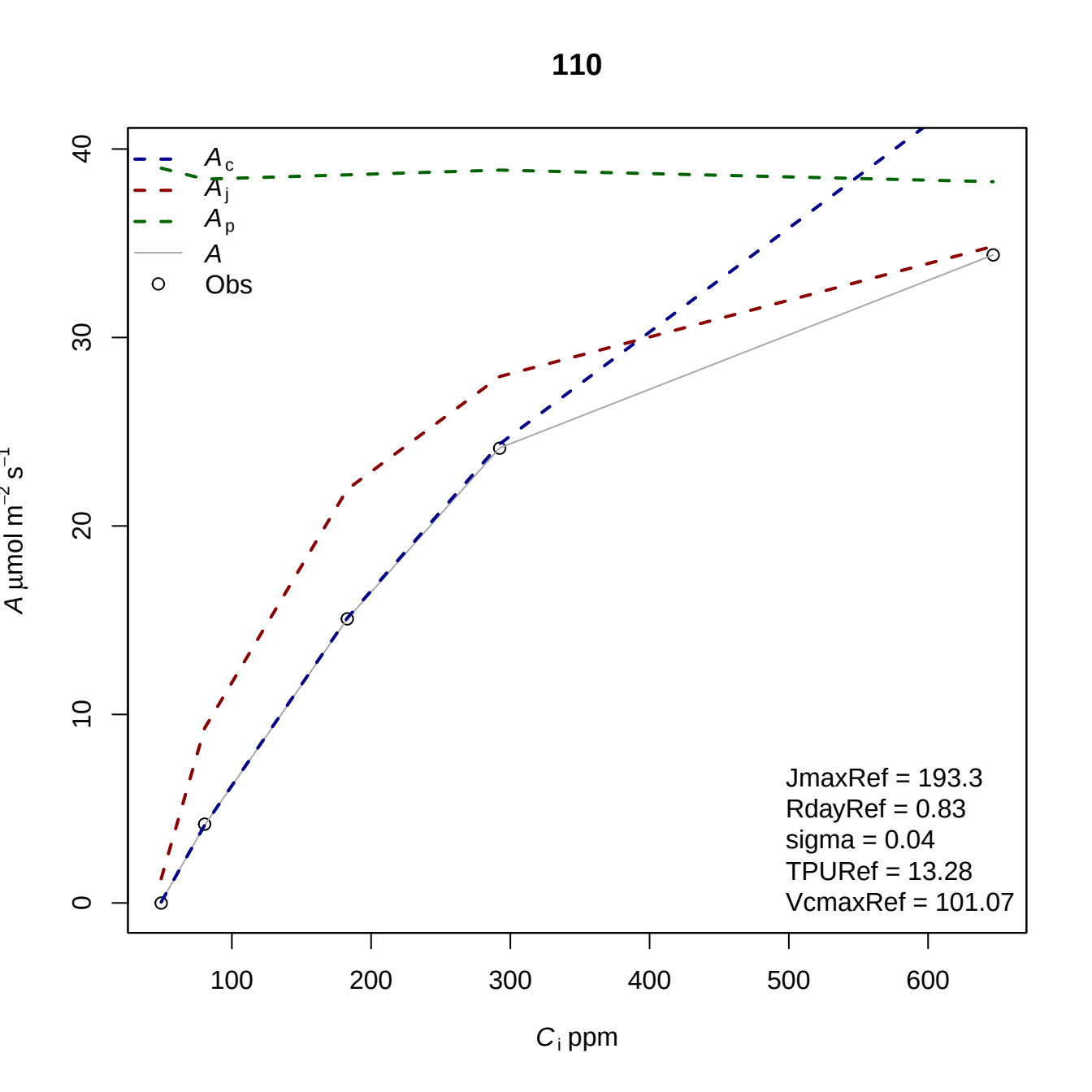

105
A_c
A_j
A_p
A
Obs
JmaxRef = 195.53
RdayRef = 0.75
sigma = 0.1
TPURef = 98935.02
VcmaxRef = 101.2
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

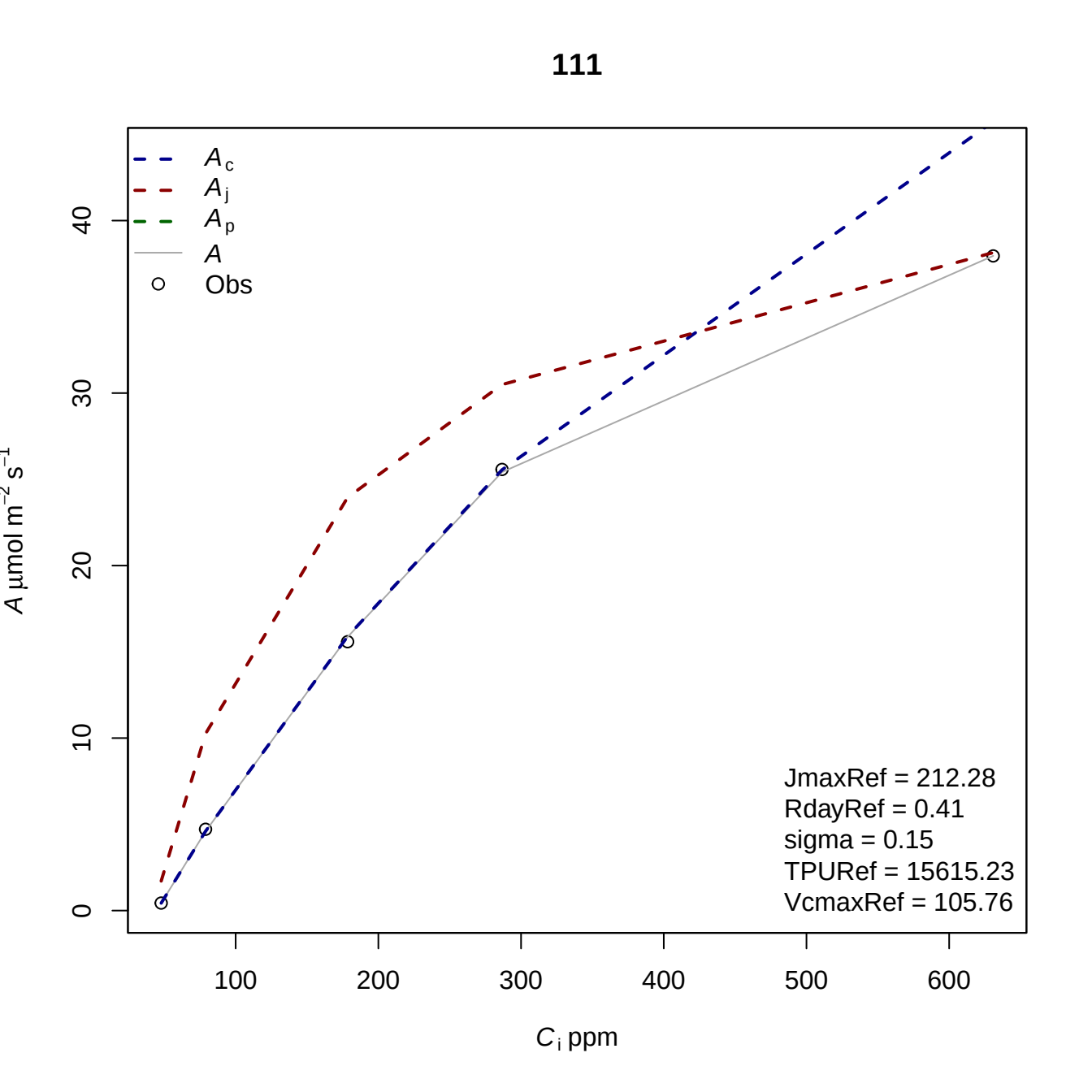

106
A_c
A_j
A_p
A
Obs
JmaxRef = 240.96
RdayRef = 0.29
sigma = 0.12
TPURef = 4025.35
VcmaxRef = 111.78
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

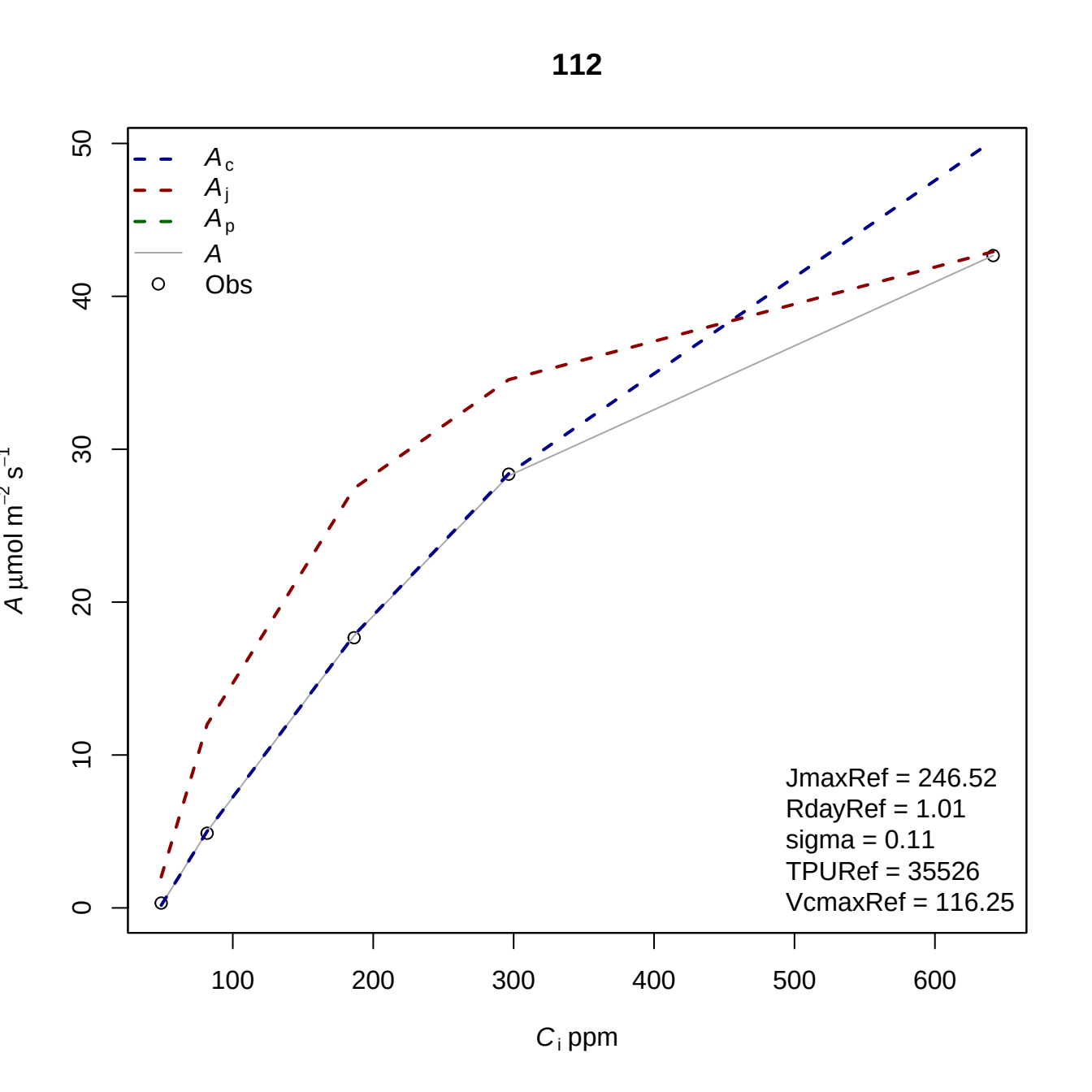

107
A_c
A_j
A_p
A
Obs
JmaxRef = 180.55
RdayRef = 0.85
sigma = 0.04
TPURef = 13.02
VcmaxRef = 95.72
0
10
20
30
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

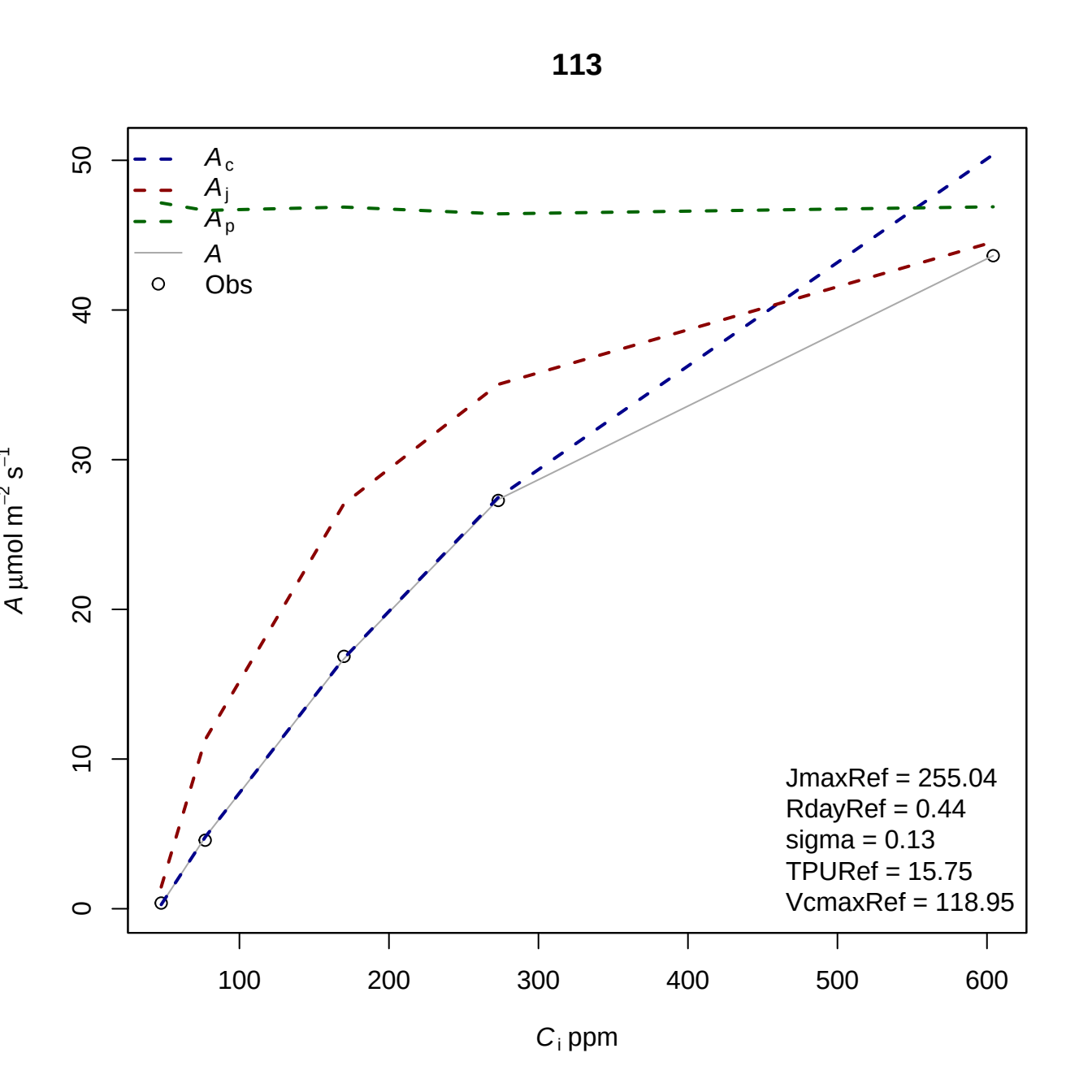

108
A_c
A_j
A_p
A
Obs
JmaxRef = 202.77
RdayRef = 0.76
sigma = 0.12
TPURef = 13.23
VcmaxRef = 95.41
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

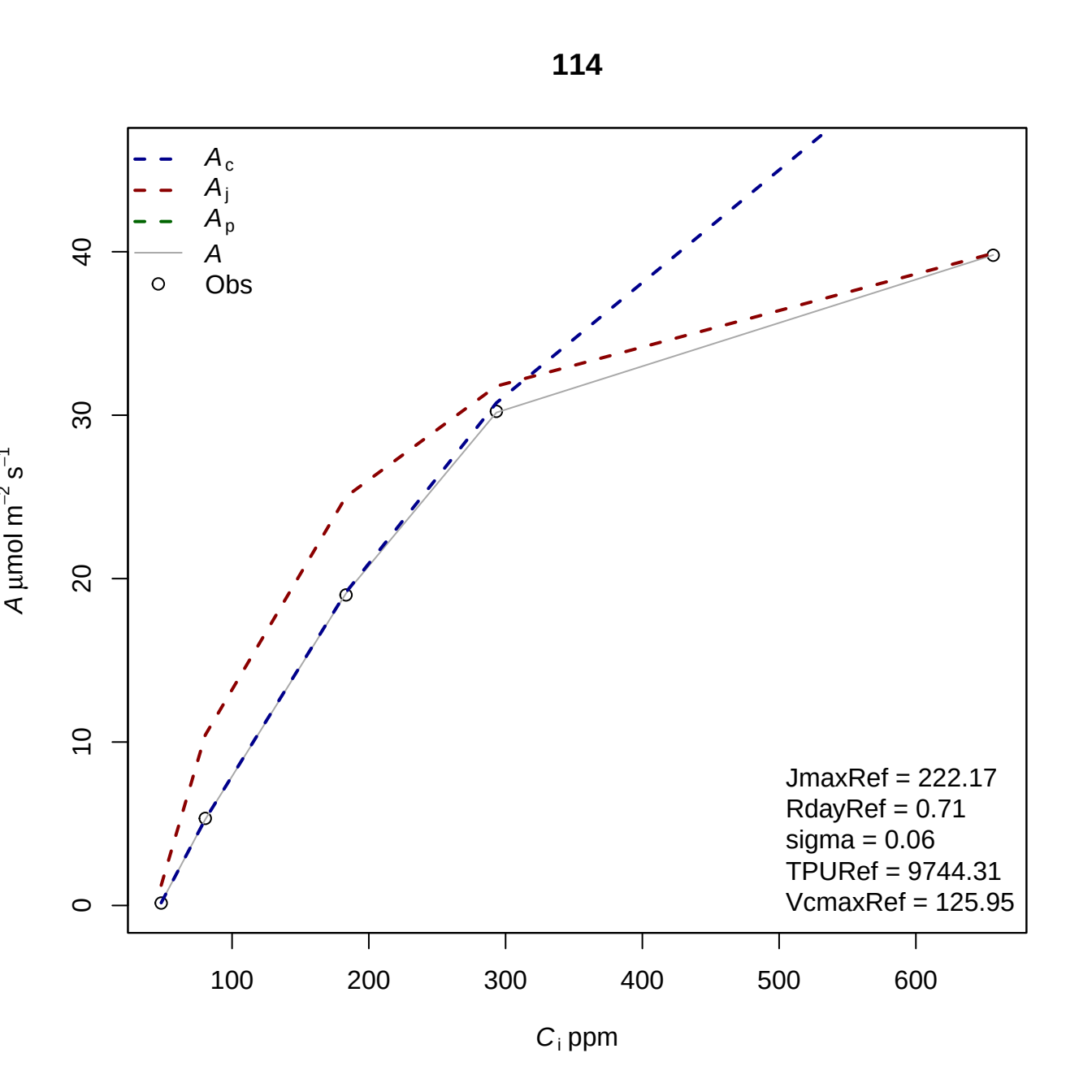

109
A_c
A_j
A_p
A
Obs
JmaxRef = 197.9
RdayRef = 0.86
sigma = 0.18
TPURef = 13.95
VcmaxRef = 107.87
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

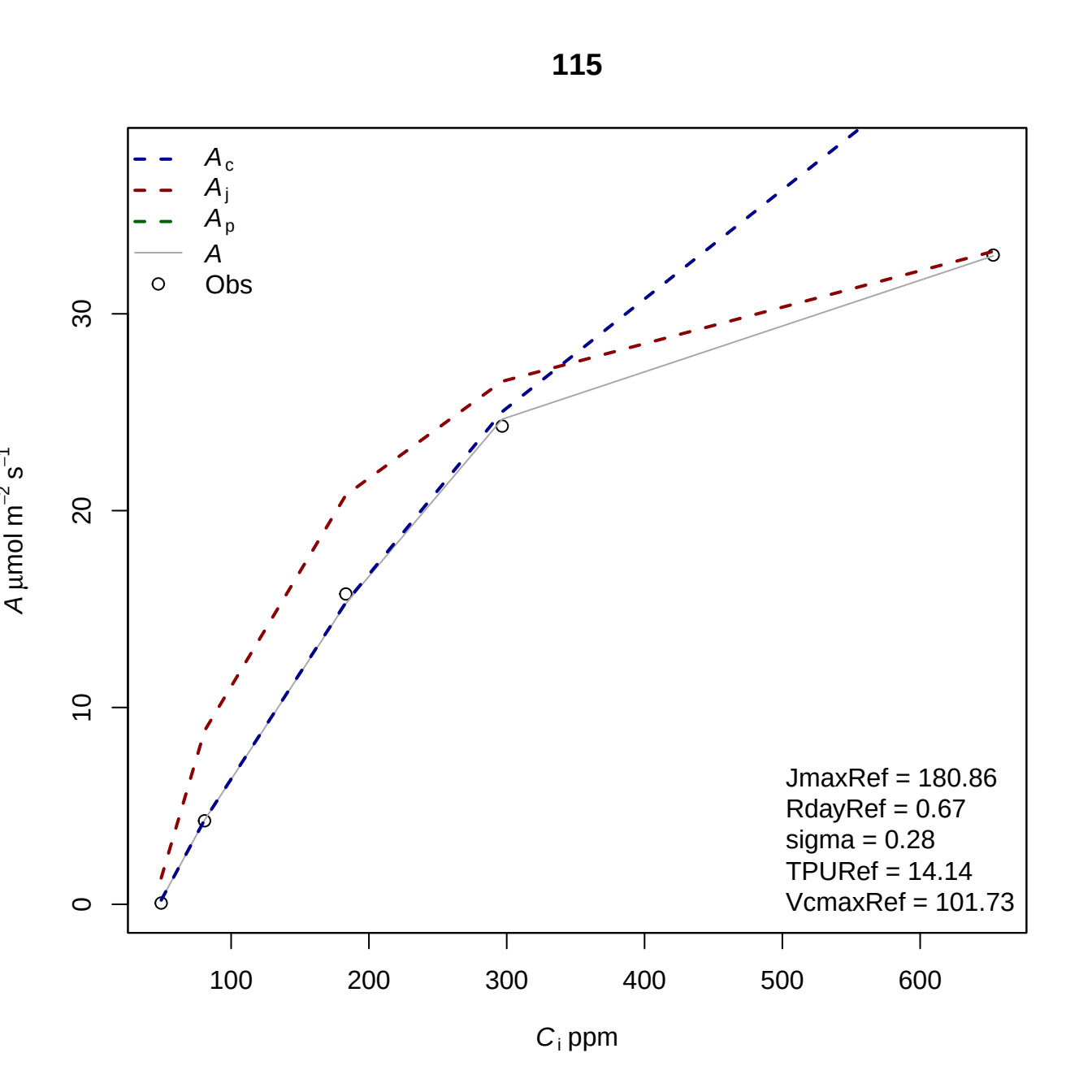

110
A_c
A_j
A_p
A
Obs
JmaxRef = 193.3
RdayRef = 0.83
sigma = 0.04
TPURef = 13.28
VcmaxRef = 101.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

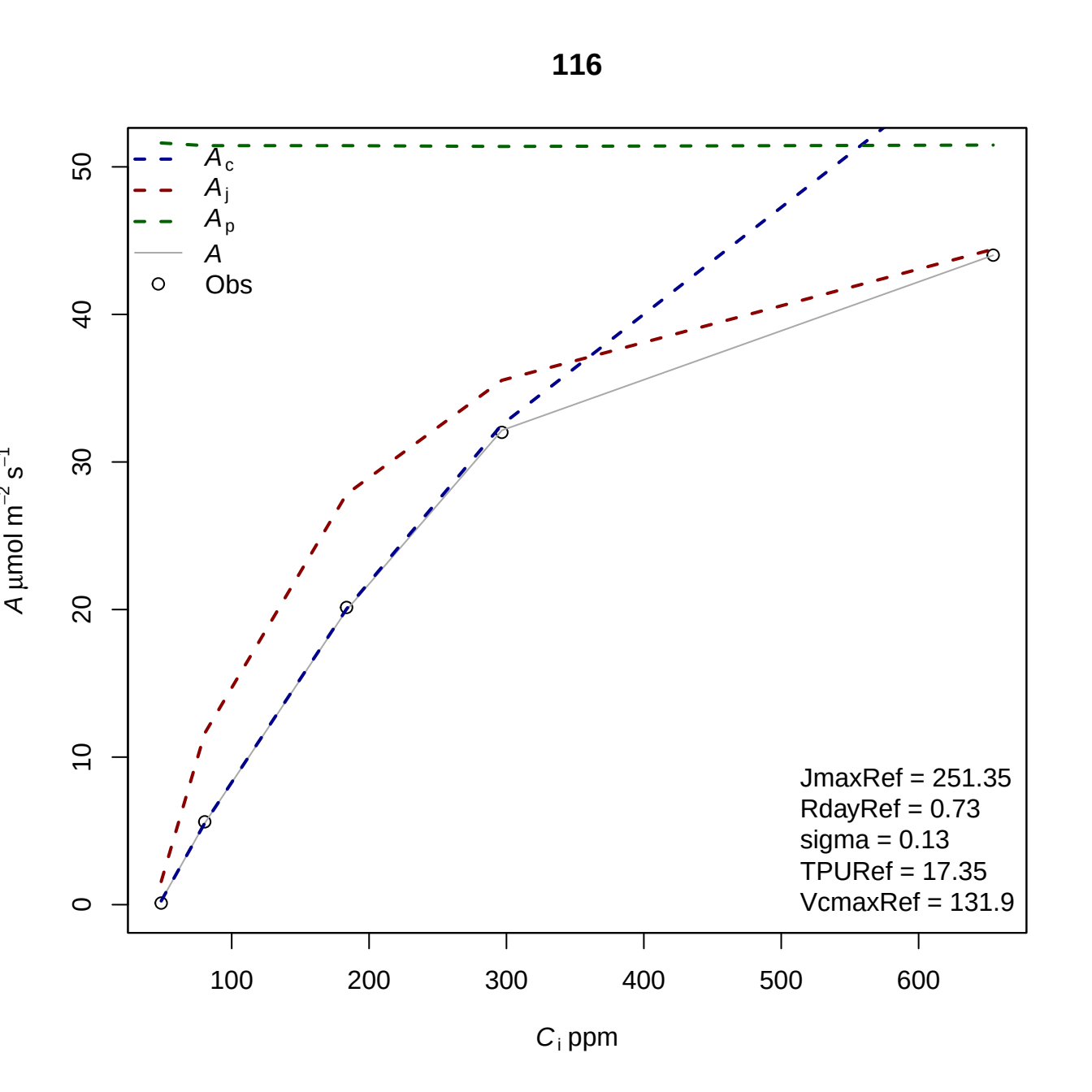

111
A_c
A_j
A_p
A
Obs
JmaxRef = 212.28
RdayRef = 0.41
sigma = 0.15
TPURef = 15615.23
VcmaxRef = 105.76
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

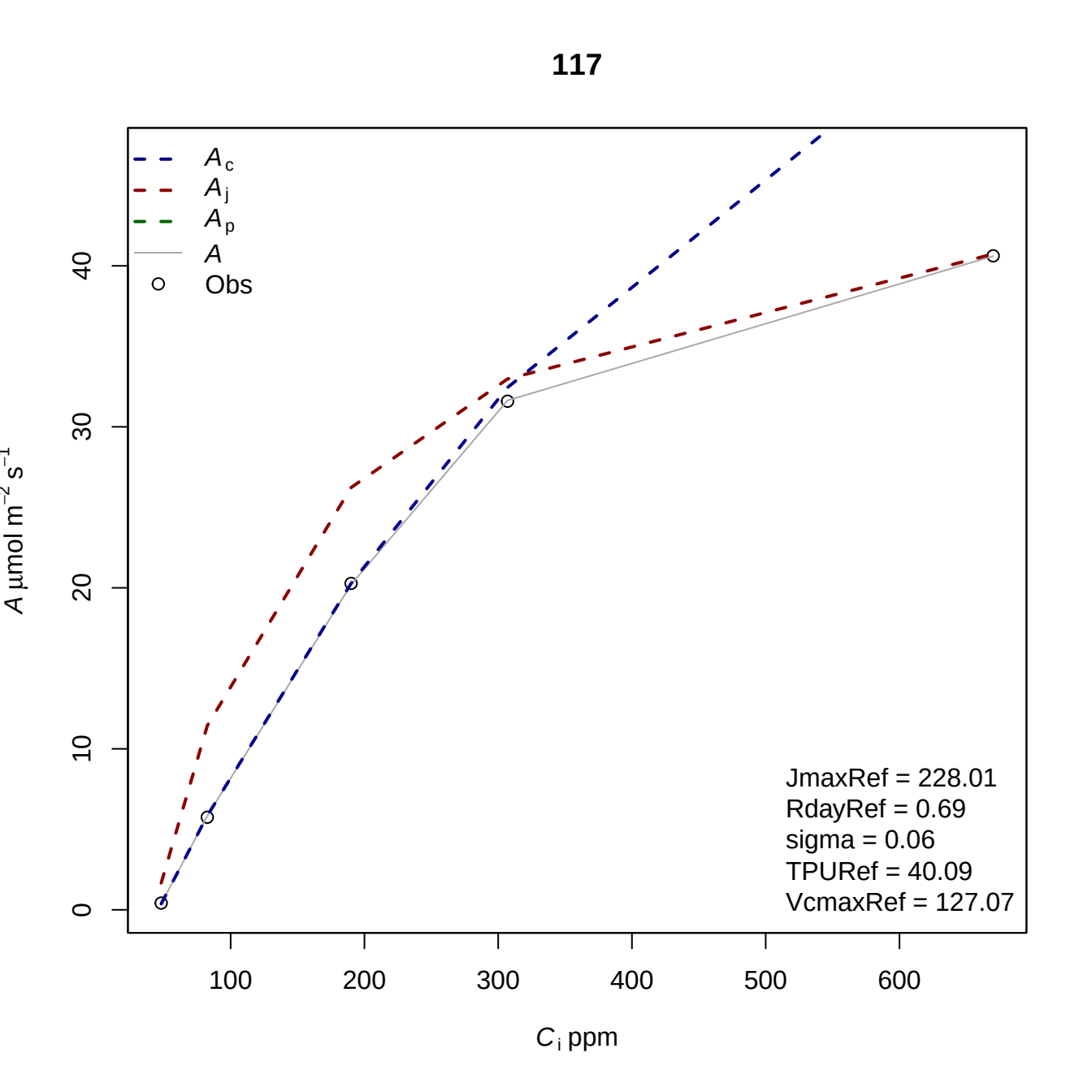

112
A_c
A_j
A_p
A
Obs
JmaxRef = 246.52
RdayRef = 1.01
sigma = 0.11
TPURef = 35526
VcmaxRef = 116.25
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

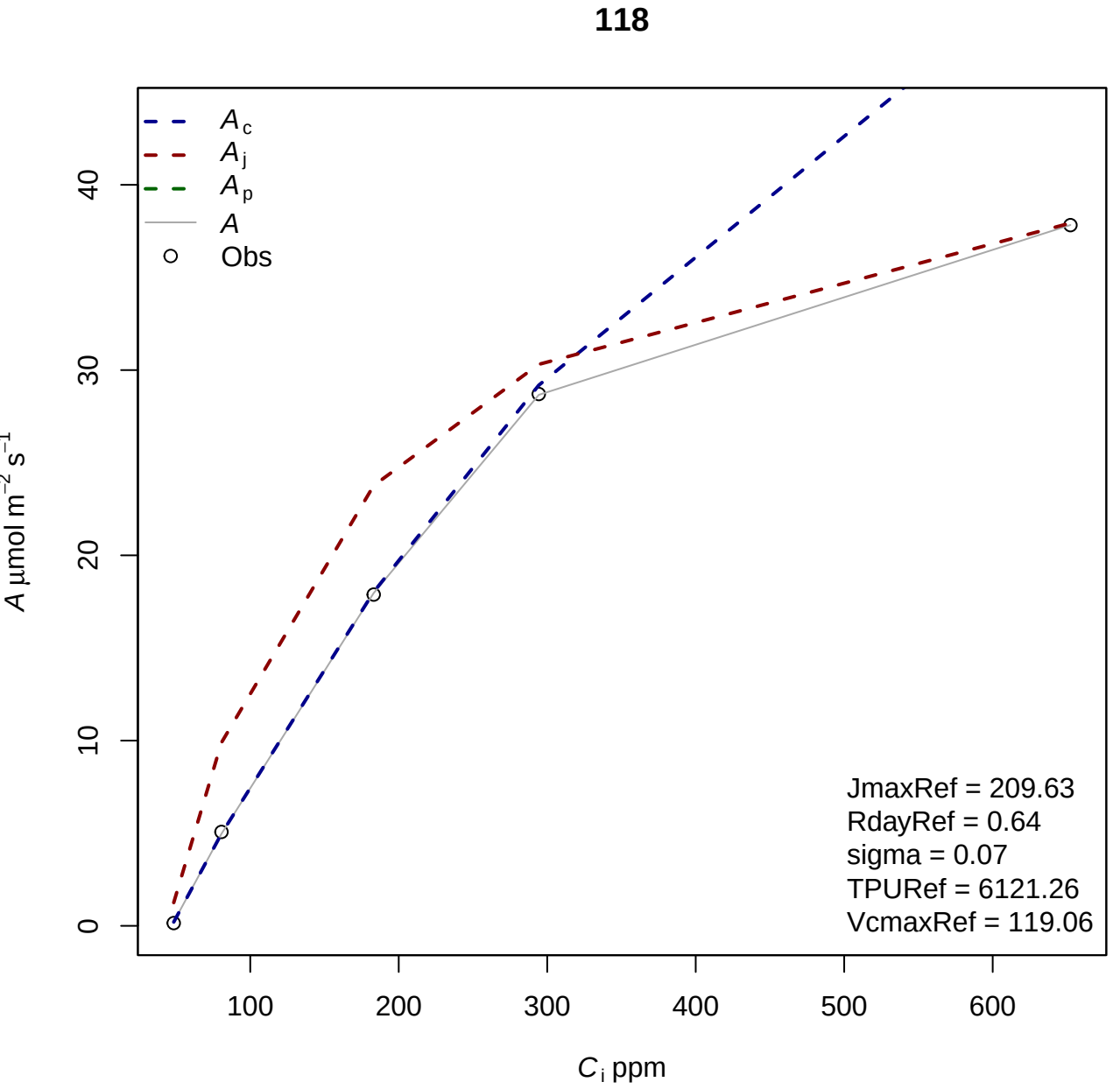

113
A_c
A_j
A_p
A
Obs
JmaxRef = 255.04
RdayRef = 0.44
sigma = 0.13
TPURef = 15.75
VcmaxRef = 118.95
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

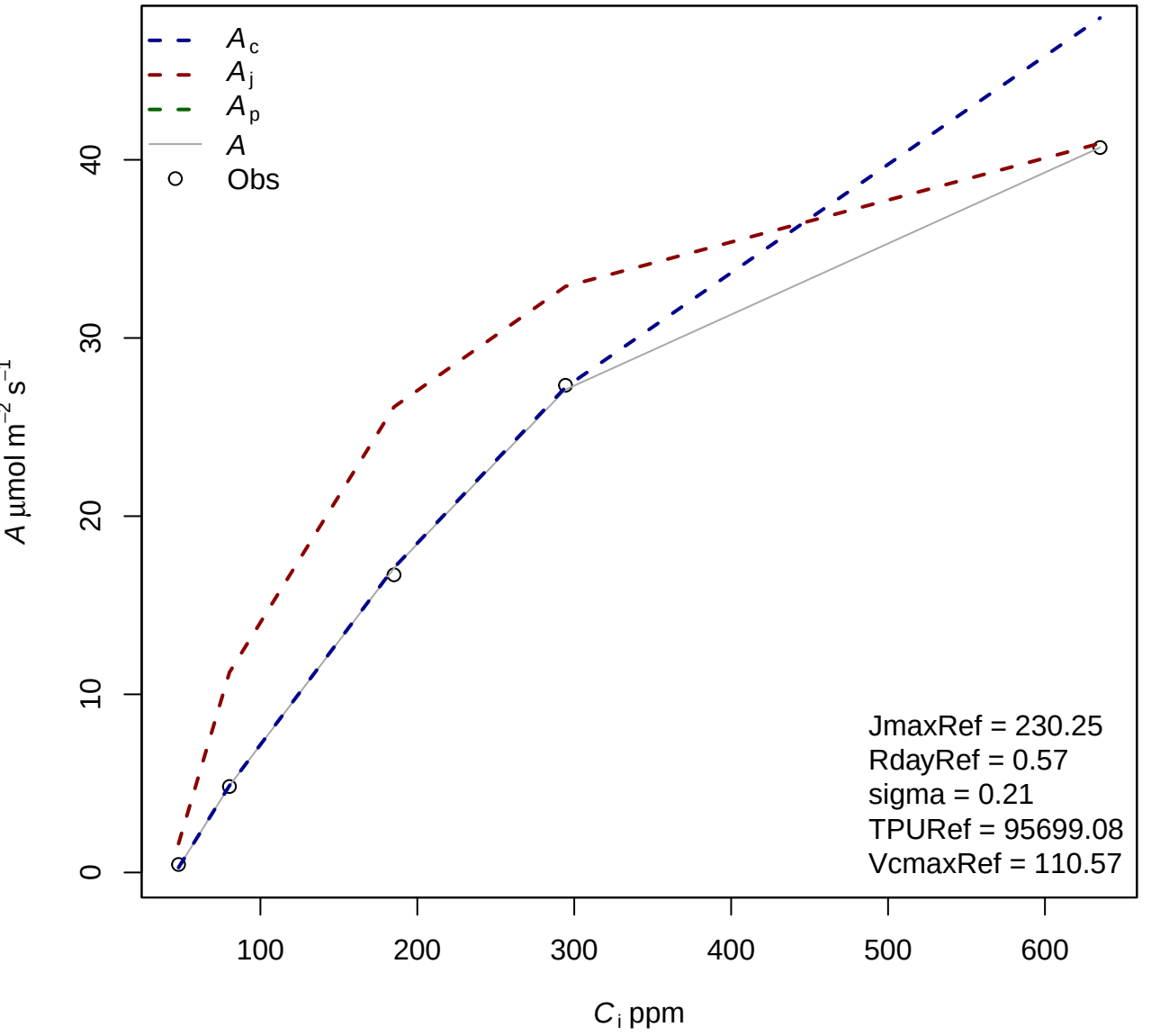

114
A_c
A_j
A_p
A
Obs
JmaxRef = 222.17
RdayRef = 0.71
sigma = 0.06
TPURef = 9744.31
VcmaxRef = 125.95
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

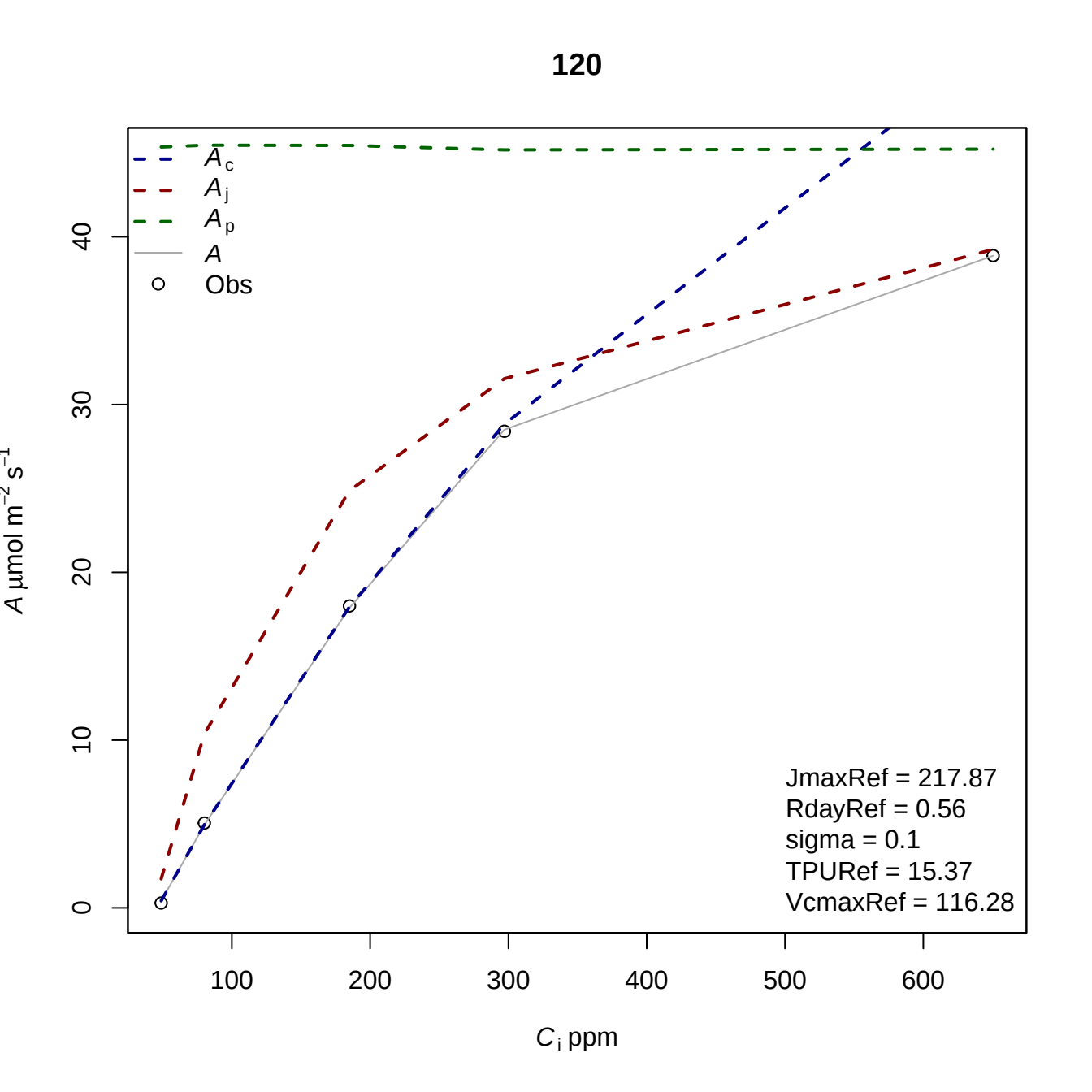

115
A_c
A_j
A_p
A
Obs
JmaxRef = 180.86
RdayRef = 0.67
sigma = 0.28
TPURef = 14.14
VcmaxRef = 101.73
0
10
20
30
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

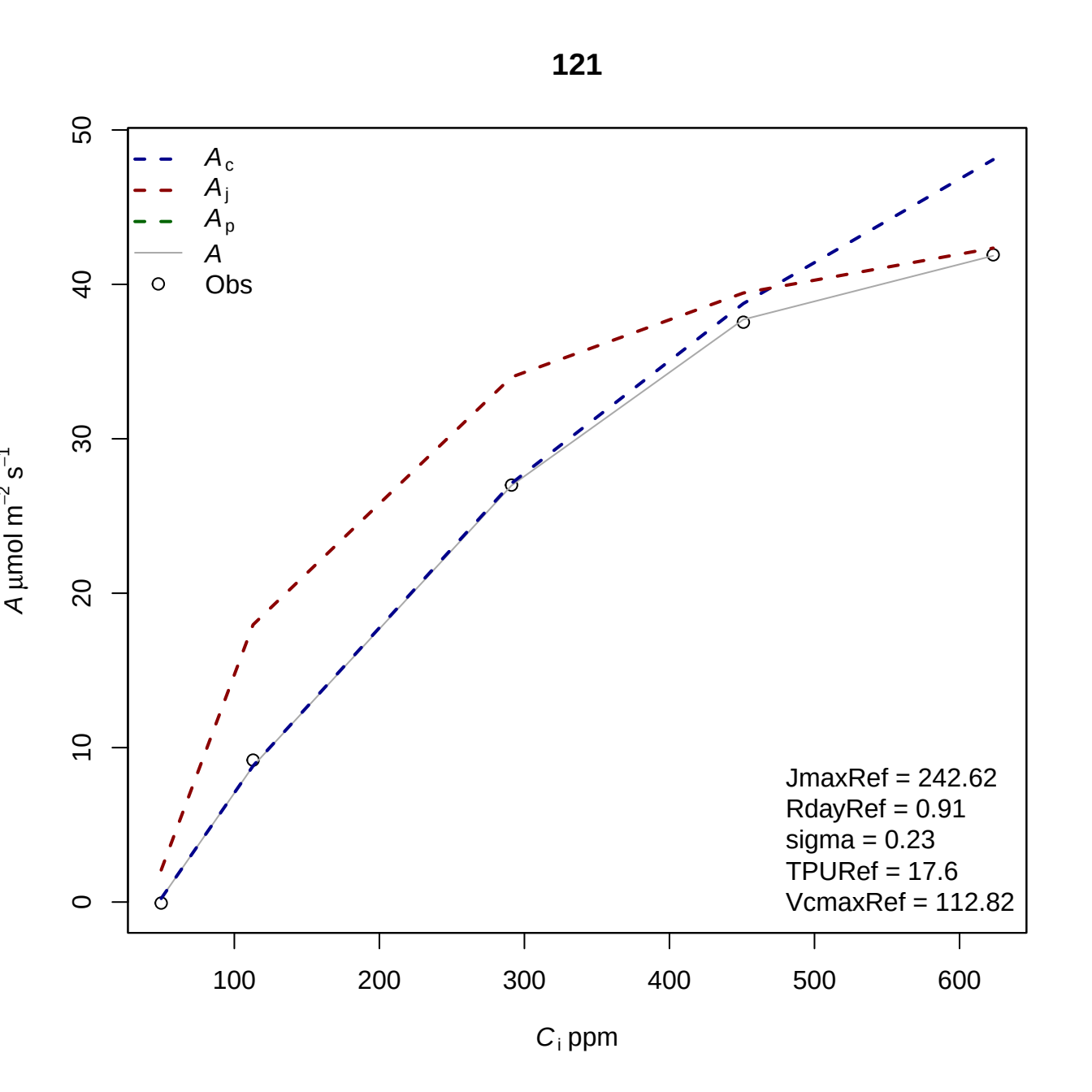

116
A_c
A_j
A_p
A
Obs
JmaxRef = 251.35
RdayRef = 0.73
sigma = 0.13
TPURef = 17.35
VcmaxRef = 131.9
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

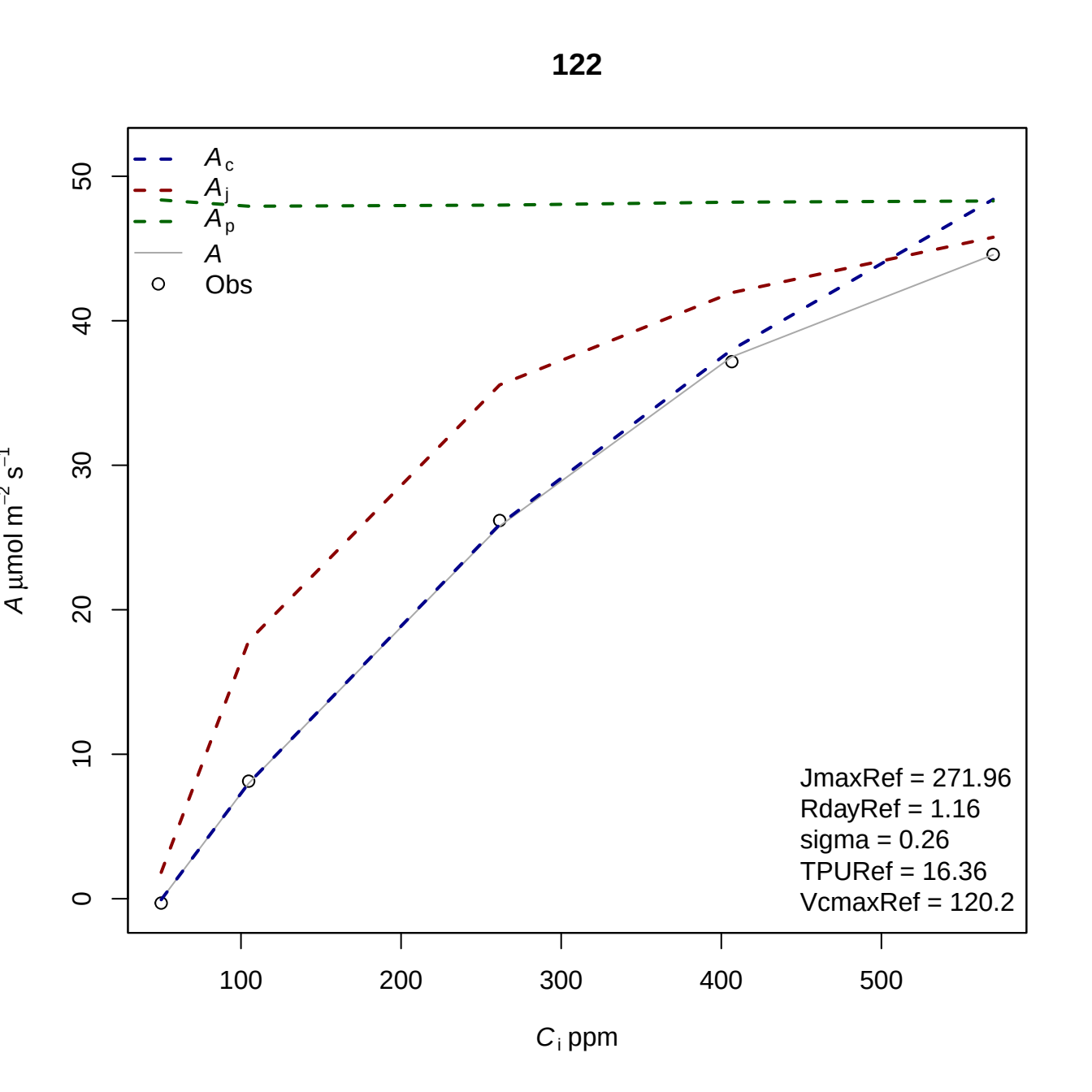

117
A_c
A_j
A_p
A
Obs
JmaxRef = 228.01
RdayRef = 0.69
sigma = 0.06
TPURef = 40.09
VcmaxRef = 127.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

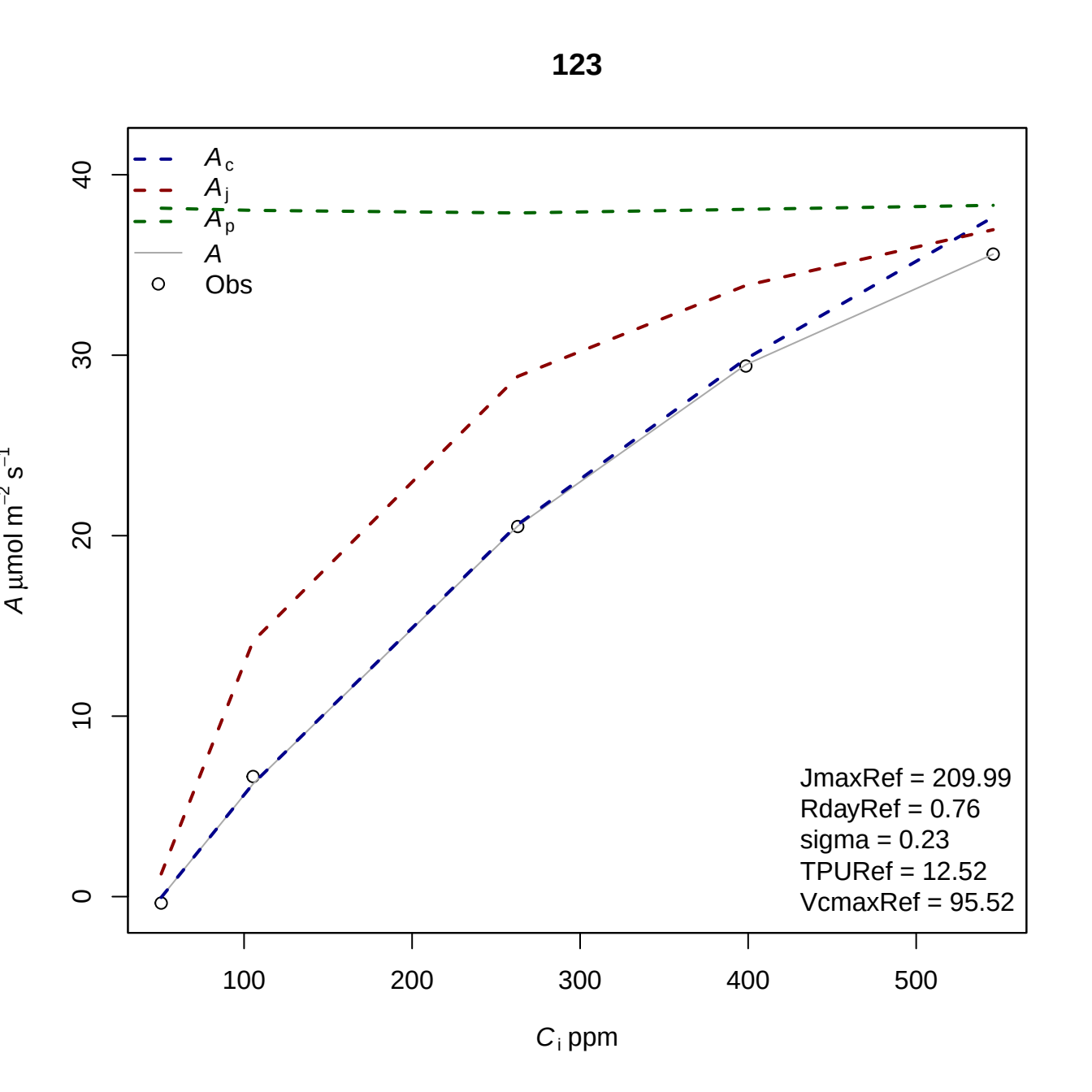

118
A_c
A_j
A_p
A
Obs
JmaxRef = 209.63
RdayRef = 0.64
sigma = 0.07
TPURef = 6121.26
VcmaxRef = 119.06
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

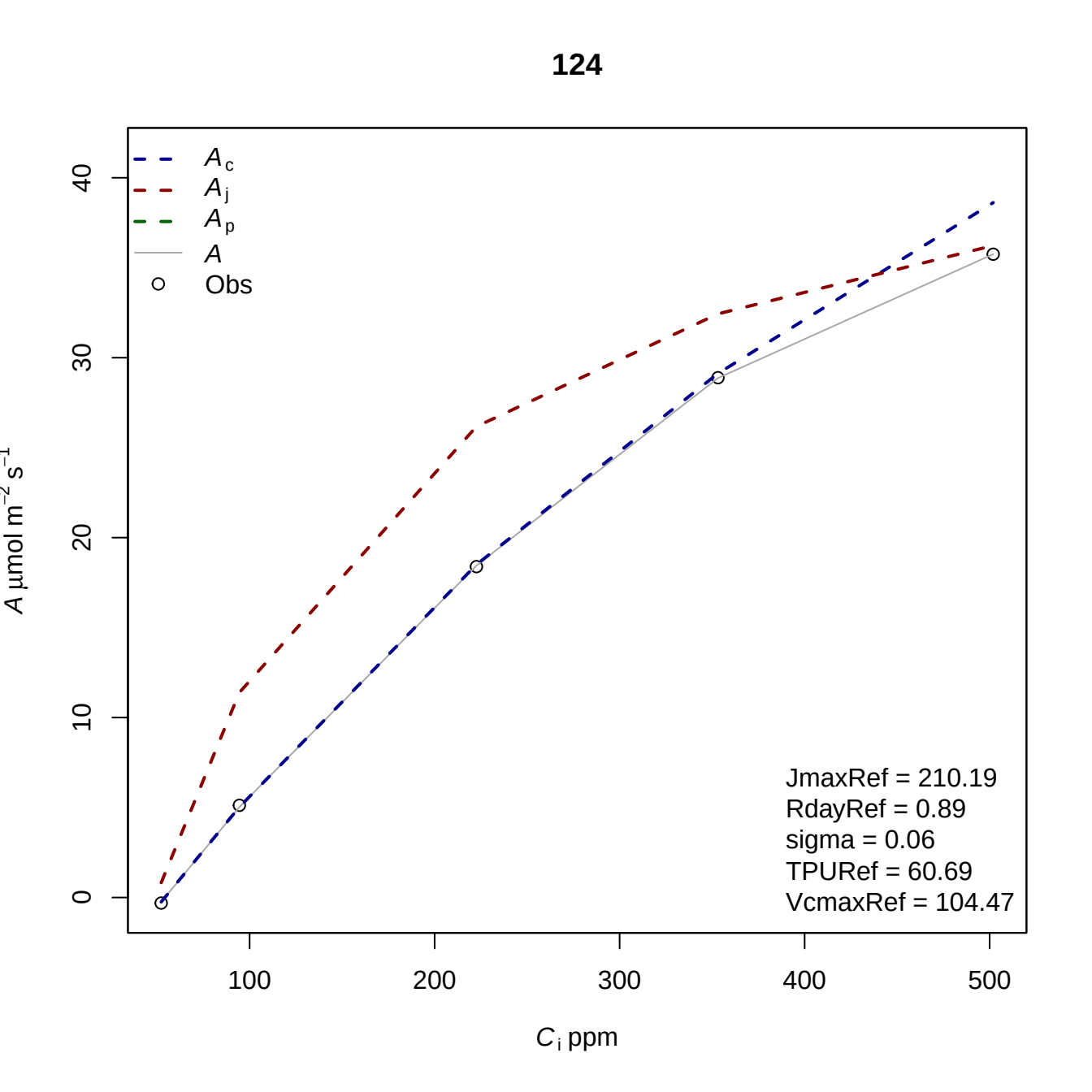

A_c
A_j
A_p
A
Obs
JmaxRef = 230.25
RdayRef = 0.57
sigma = 0.21
TPURef = 95699.08
VcmaxRef = 110.57
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

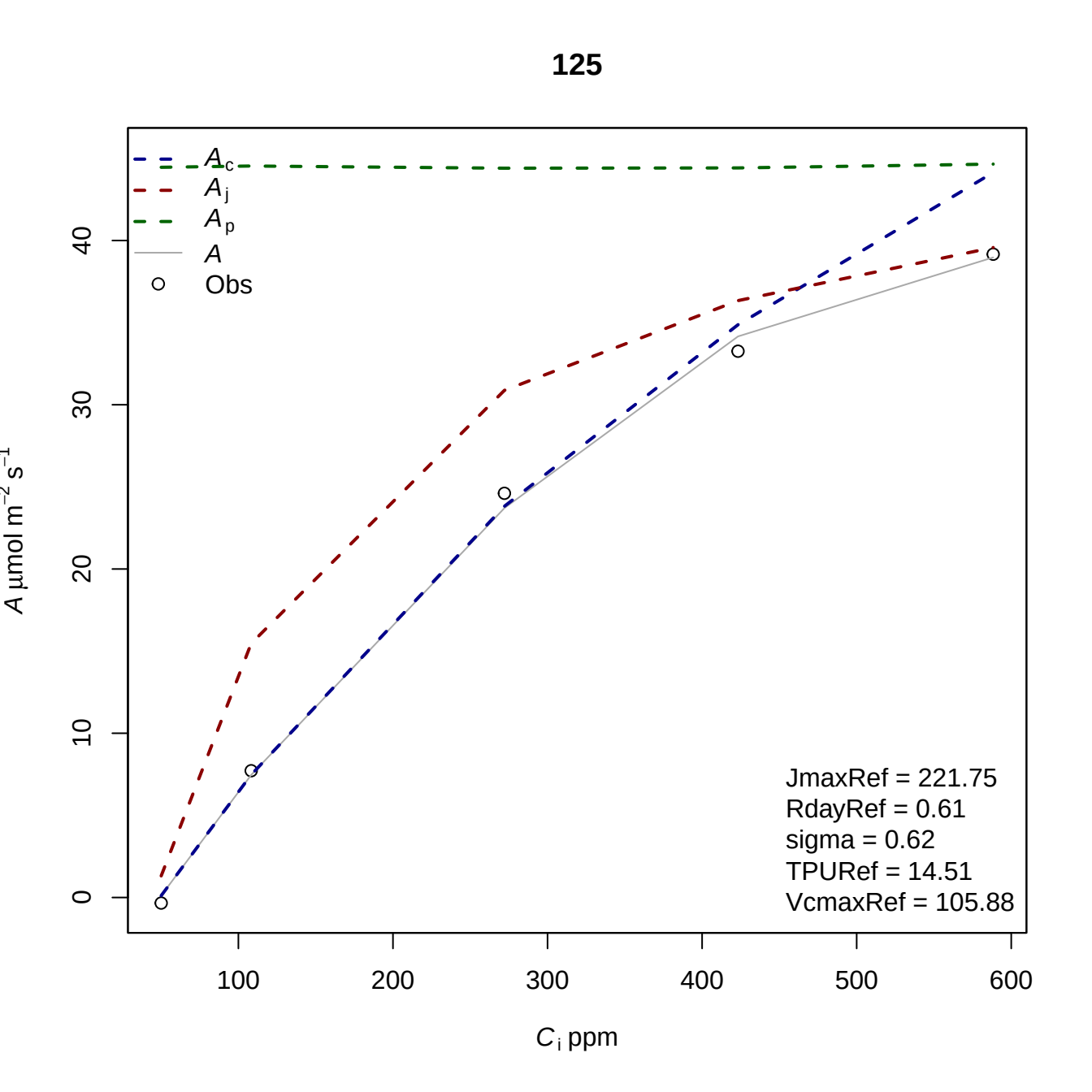

120
A_c
A_j
A_p
A
Obs
JmaxRef = 217.87
RdayRef = 0.56
sigma = 0.1
TPURef = 15.37
VcmaxRef = 116.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

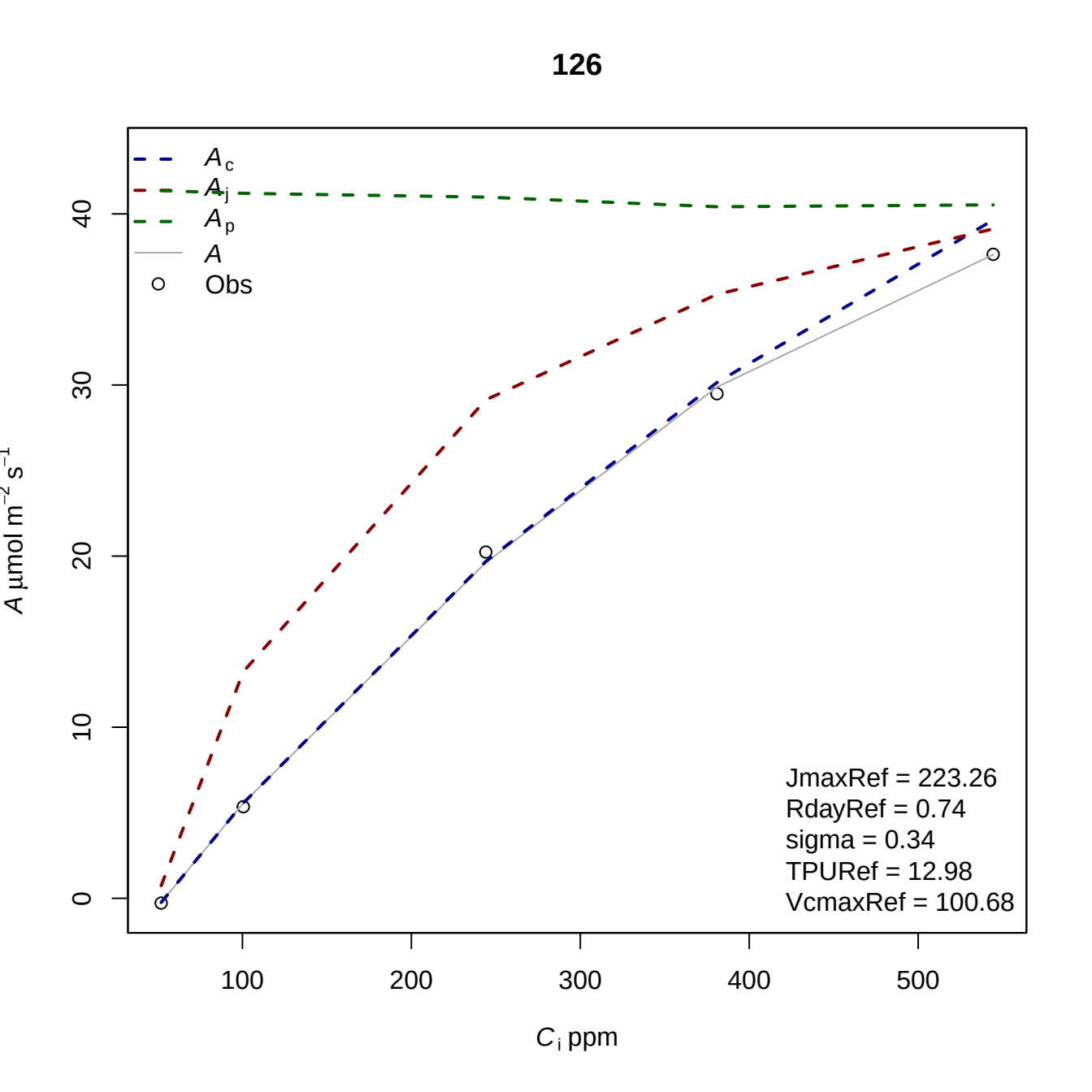

121
A_c
A_j
A_p
A
Obs
JmaxRef = 242.62
RdayRef = 0.91
sigma = 0.23
TPURef = 17.6
VcmaxRef = 112.82
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

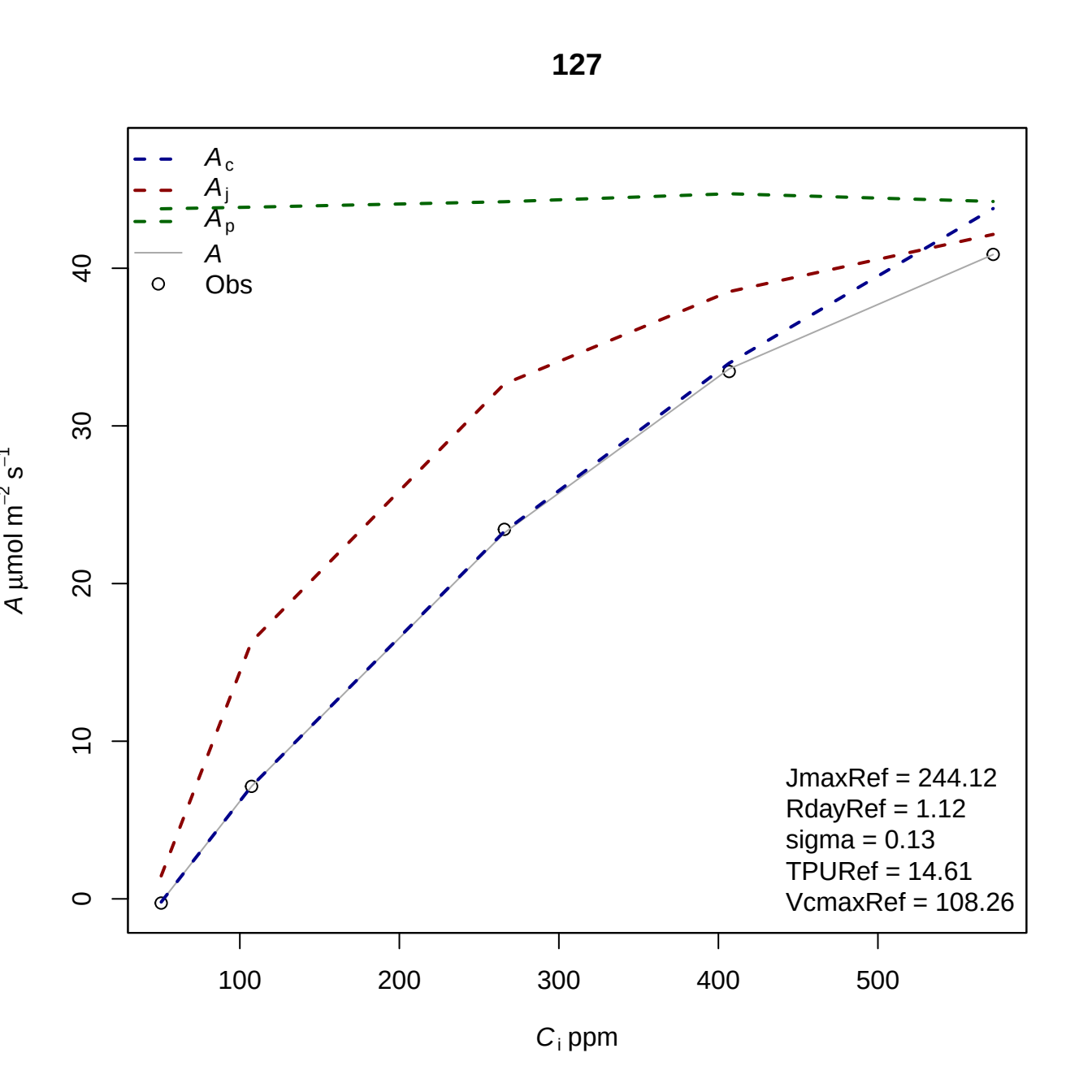

122
A_c
A_j
A_p
A
Obs
JmaxRef = 271.96
RdayRef = 1.16
sigma = 0.26
TPURef = 16.36
VcmaxRef = 120.2
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

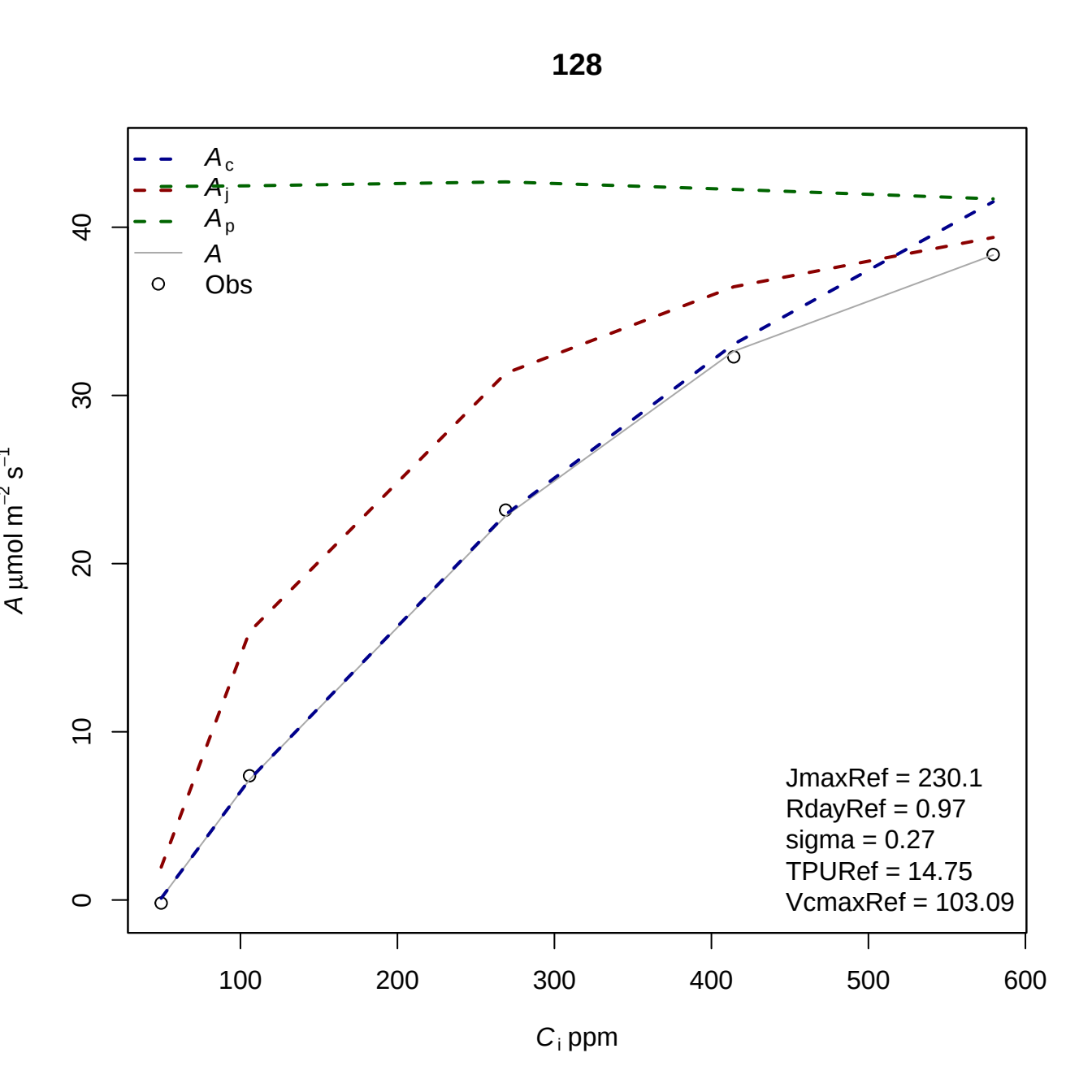

123
A_c
A_j
A_p
A
Obs
JmaxRef = 209.99
RdayRef = 0.76
sigma = 0.23
TPURef = 12.52
VcmaxRef = 95.52
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

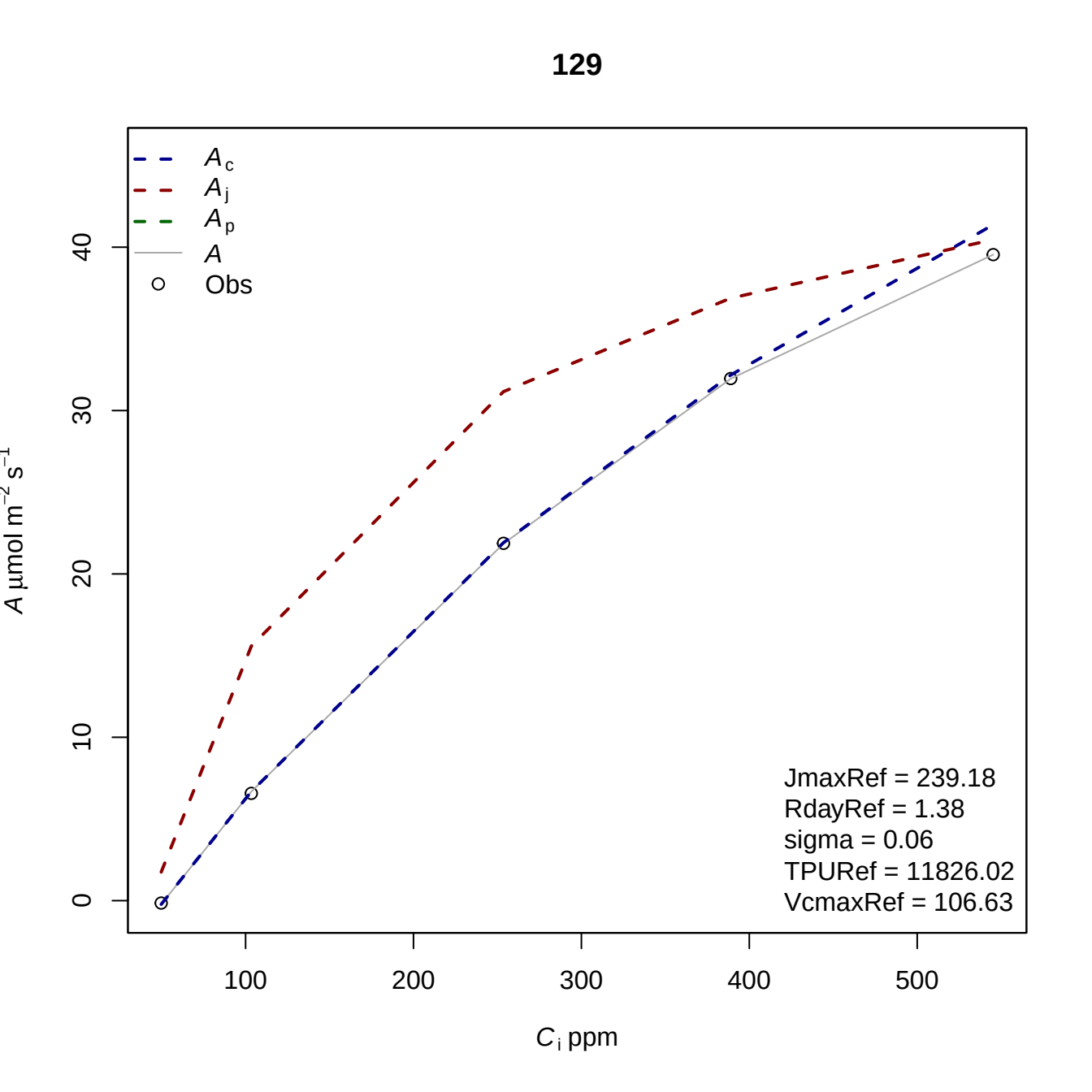

124
A_c
A_j
A_p
A
Obs
JmaxRef = 210.19
RdayRef = 0.89
sigma = 0.06
TPURef = 60.69
VcmaxRef = 104.47
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

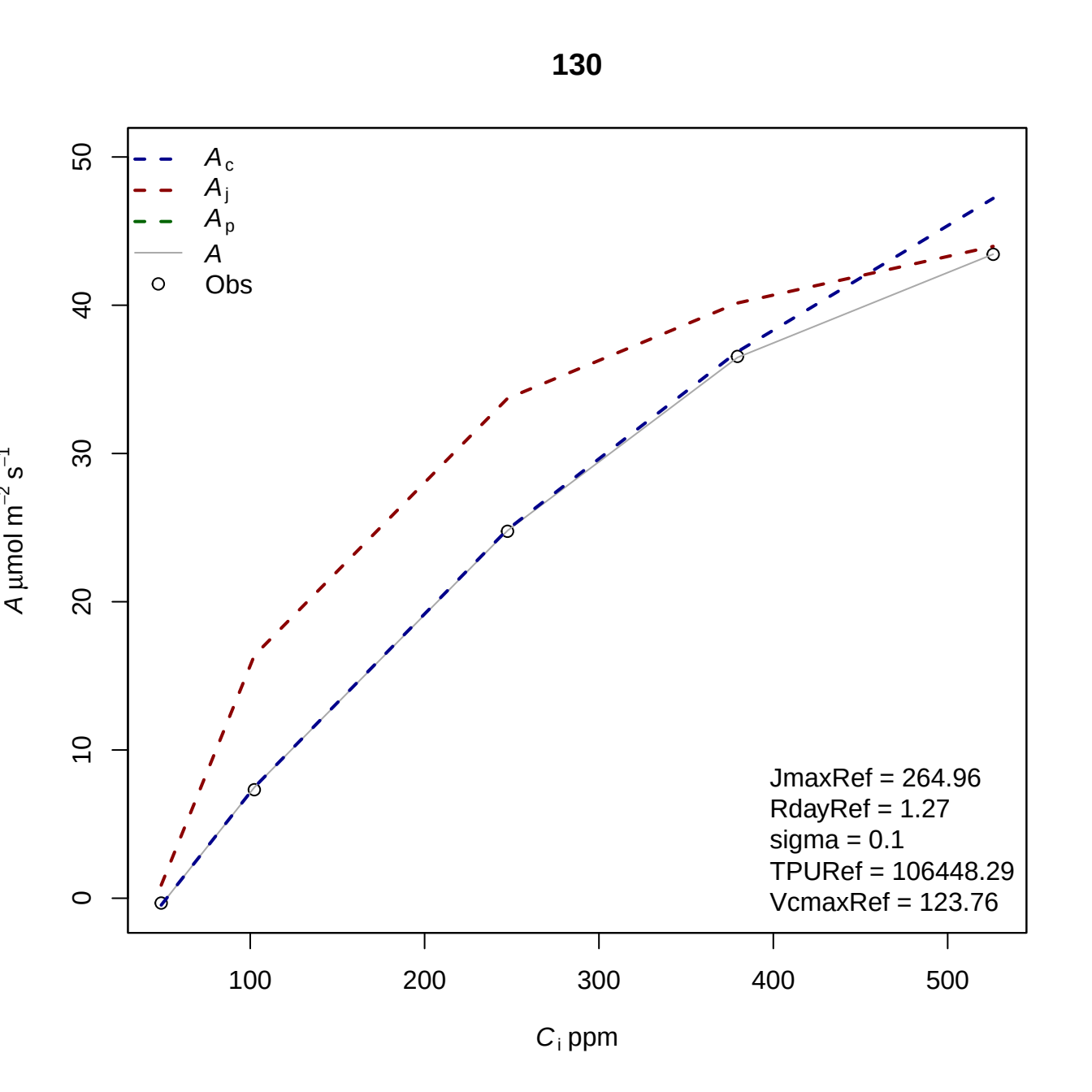

125
A_c
A_j
A_p
A
Obs
JmaxRef = 221.75
RdayRef = 0.61
sigma = 0.62
TPURef = 14.51
VcmaxRef = 105.88
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

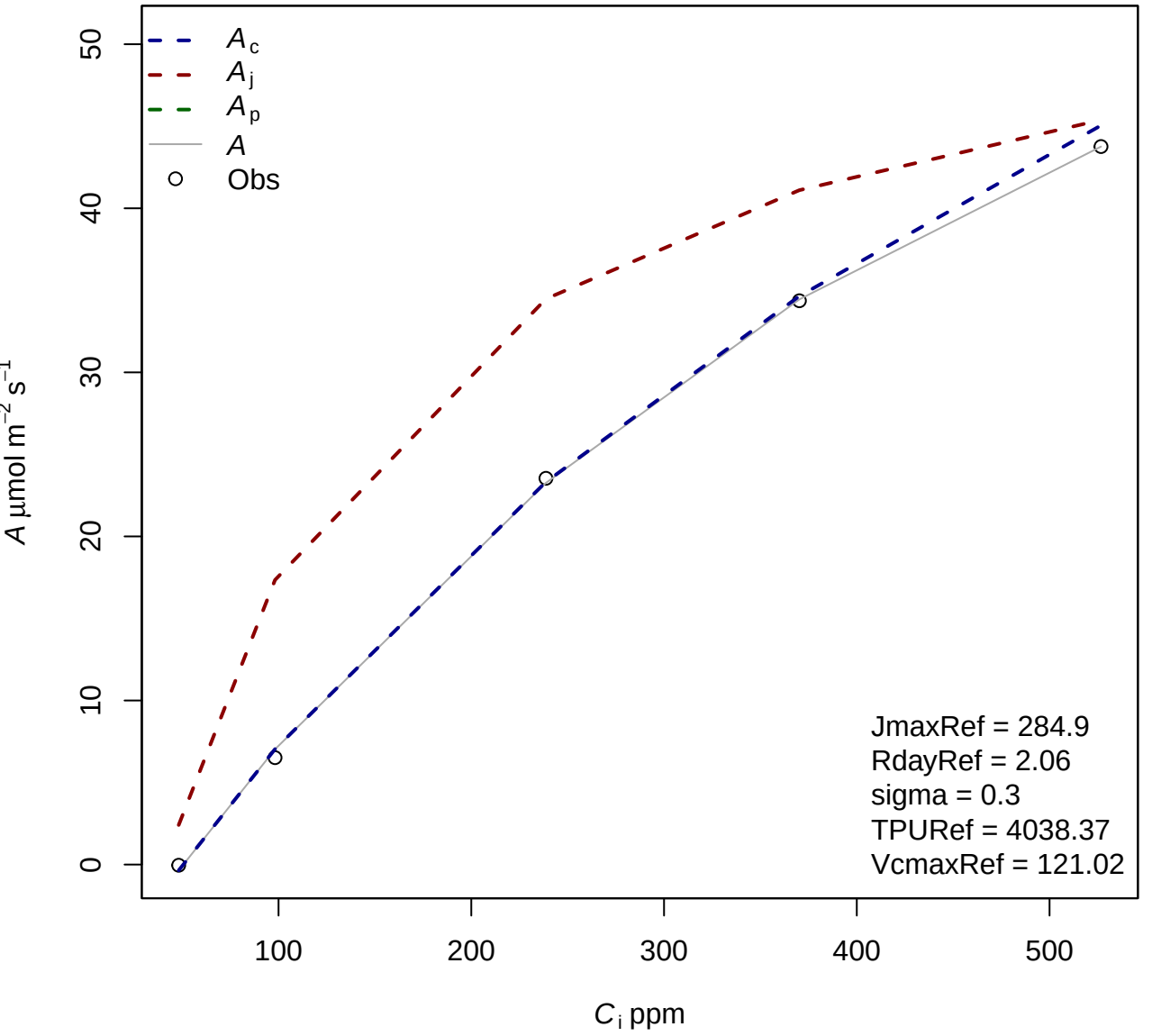

126
A_c
A_j
A_p
A
Obs
JmaxRef = 223.26
RdayRef = 0.74
sigma = 0.34
TPURef = 12.98
VcmaxRef = 100.68
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
C_i ppm

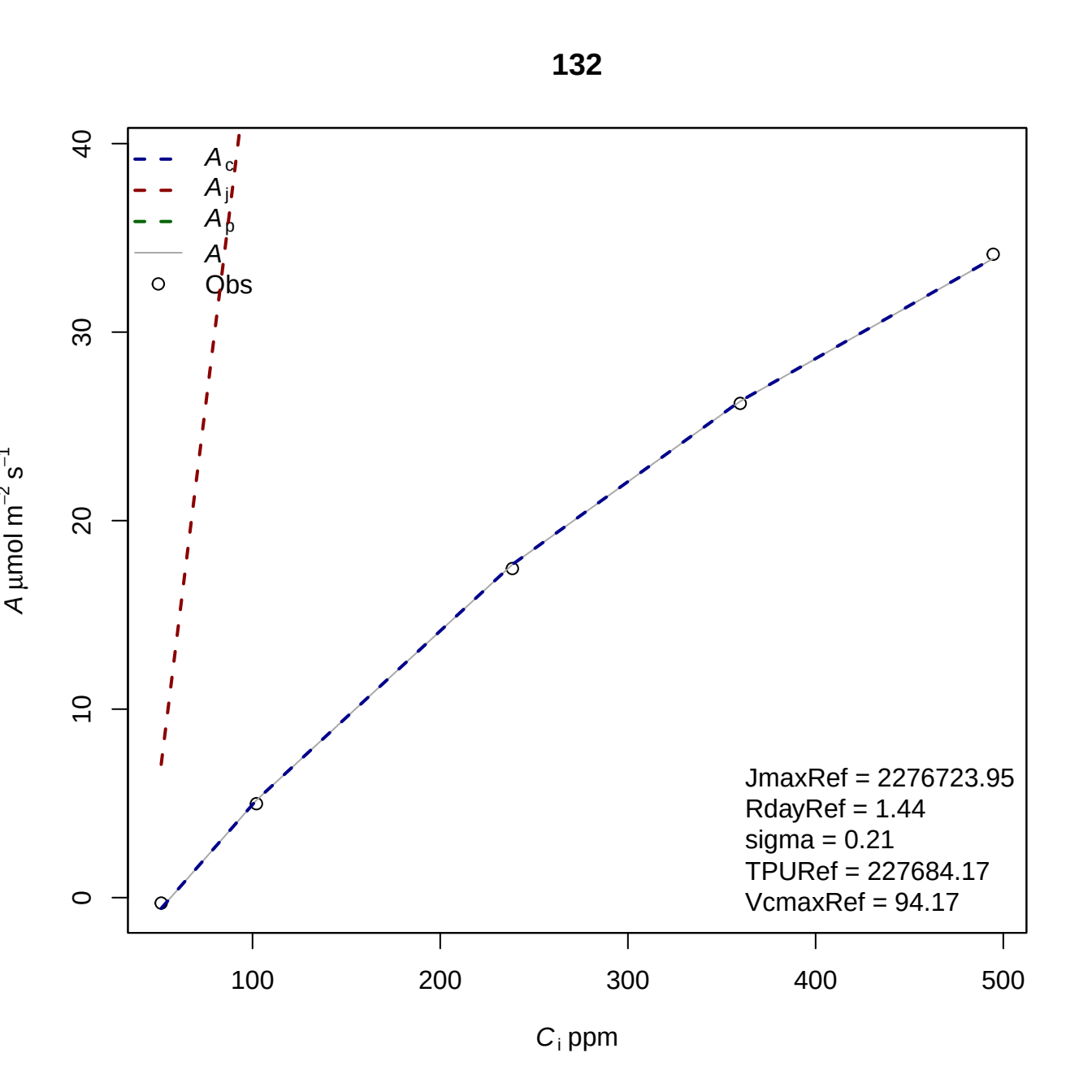

127
A_c
A_j
A_p
A
Obs
JmaxRef = 244.12
RdayRef = 1.12
sigma = 0.13
TPURef = 14.61
VcmaxRef = 108.26
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
C_i ppm

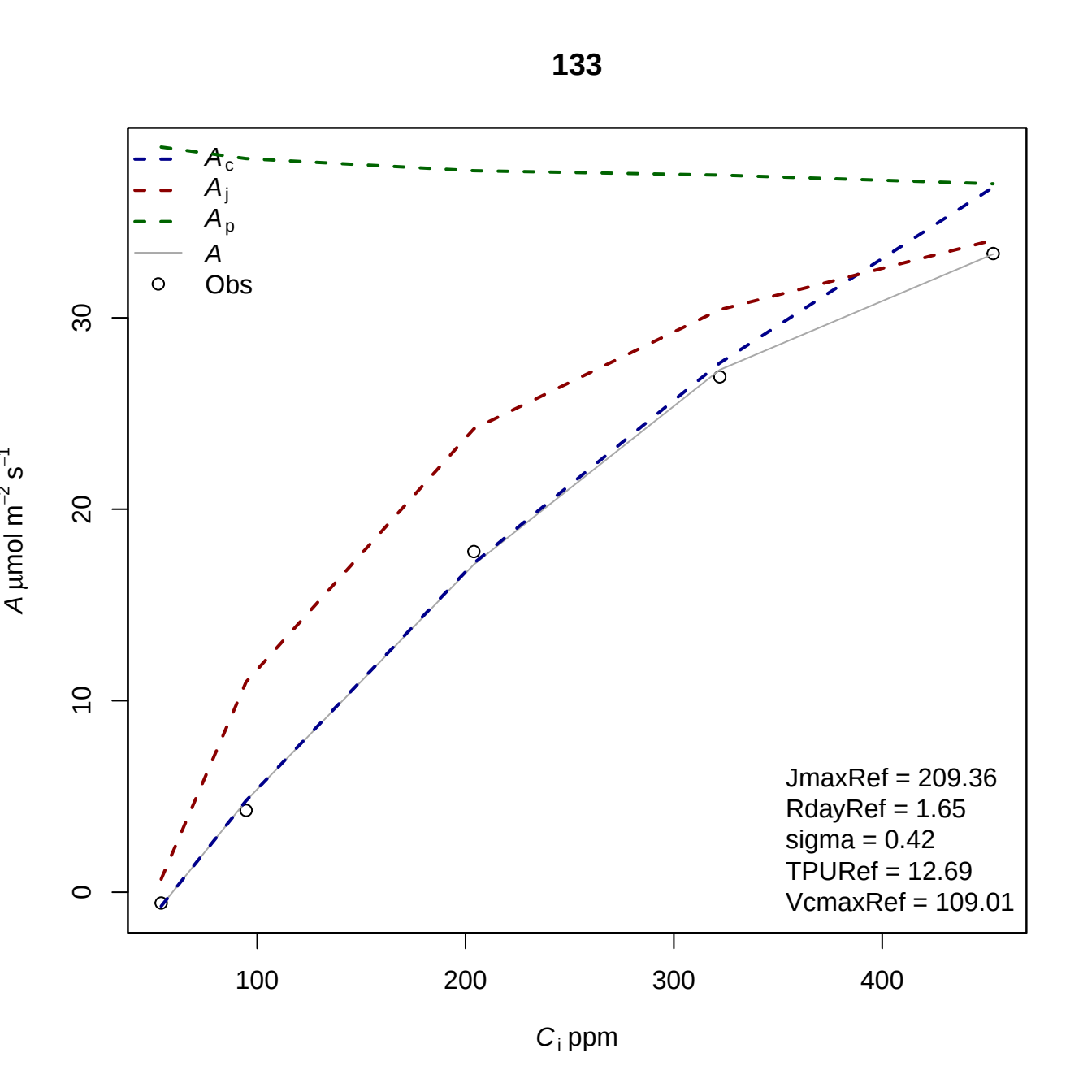

128
A_c
A_j
A_p
A
Obs
JmaxRef = 230.1
RdayRef = 0.97
sigma = 0.27
TPURef = 14.75
VcmaxRef = 103.09
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

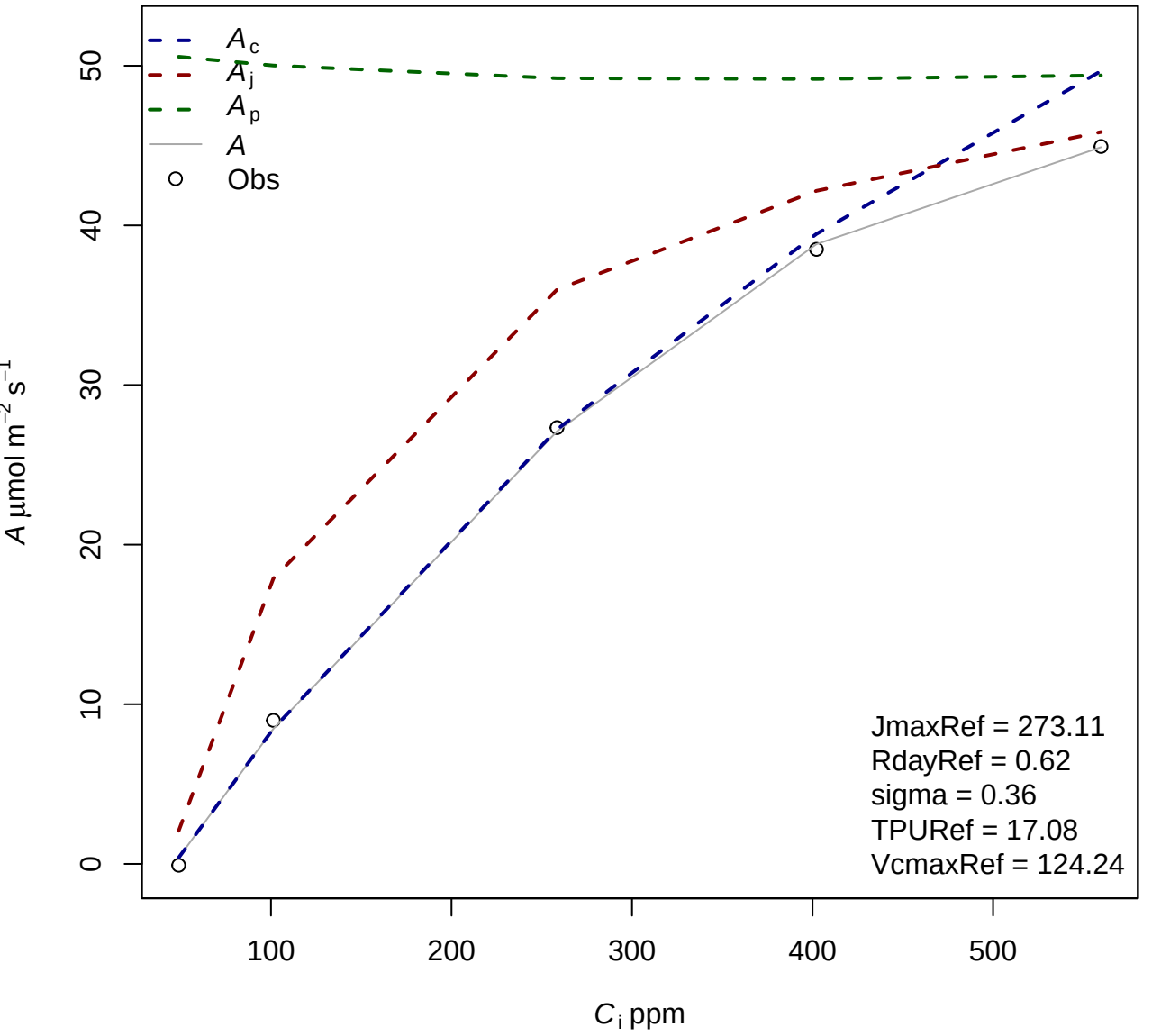

129
A_c
A_j
A_p
A
Obs
JmaxRef = 239.18
RdayRef = 1.38
sigma = 0.06
TPURef = 11826.02
VcmaxRef = 106.63
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

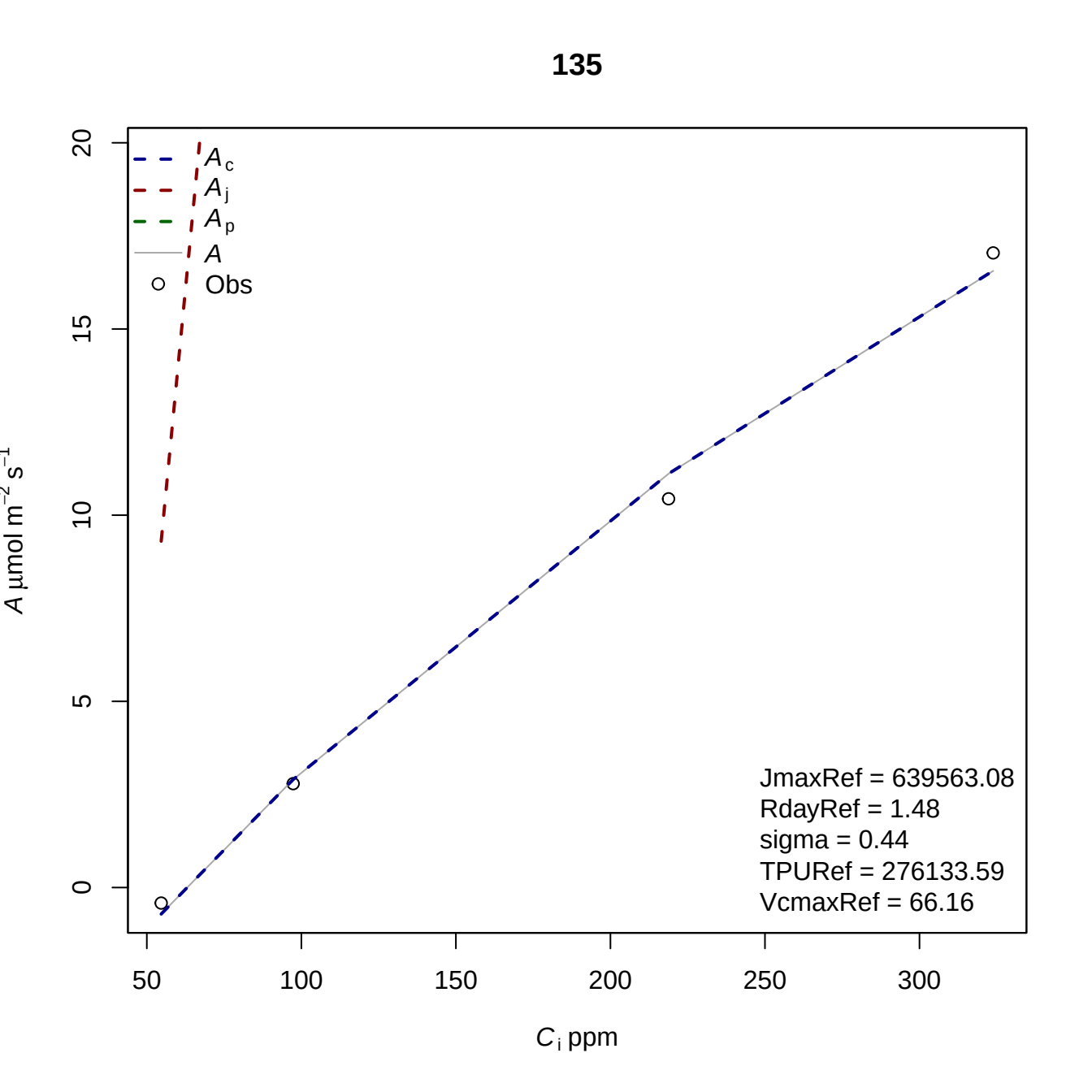

130
A_c
A_j
A_p
A
Obs
JmaxRef = 264.96
RdayRef = 1.27
sigma = 0.1
TPURef = 106448.29
VcmaxRef = 123.76
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

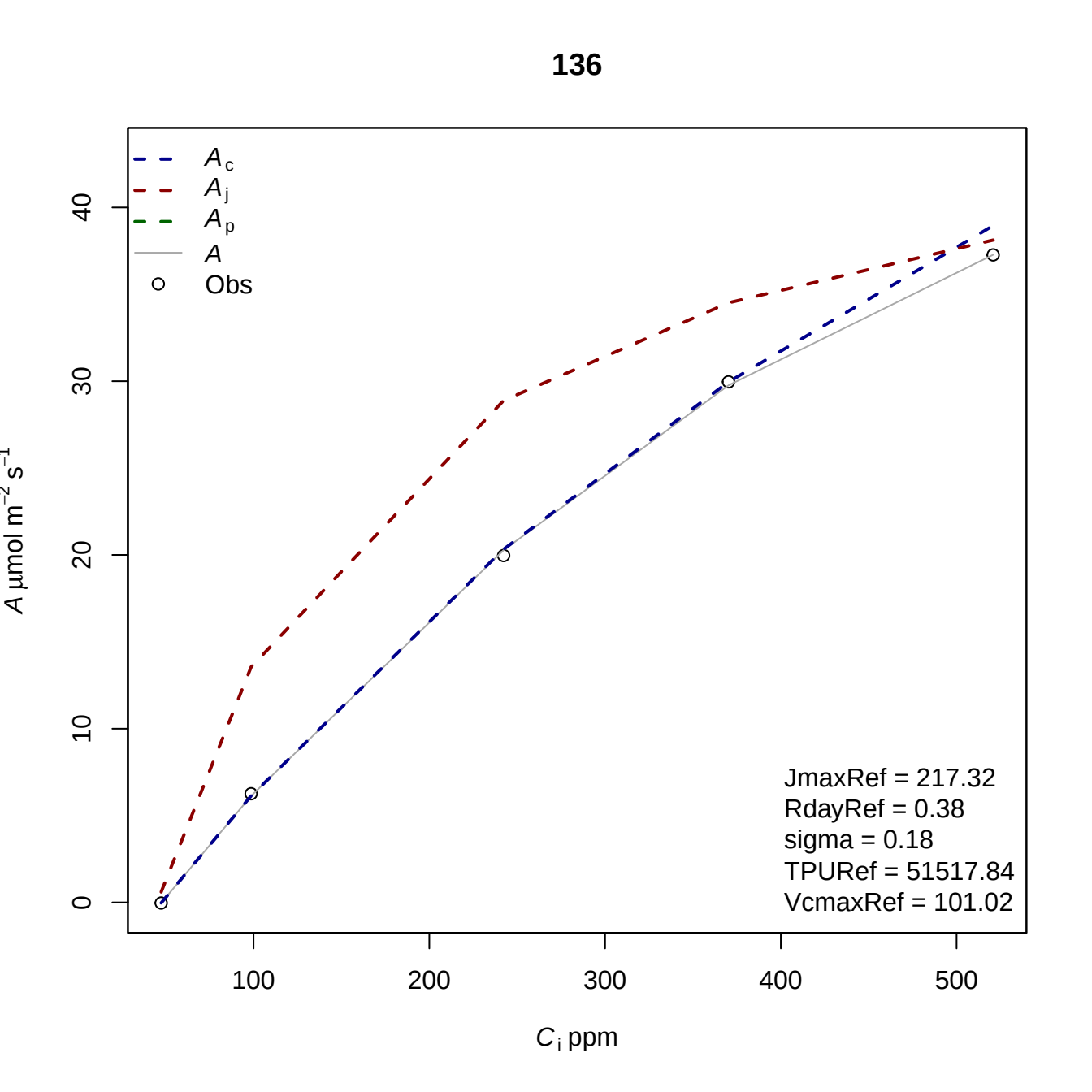

A_c
A_j
A_p
A
Obs
JmaxRef = 284.9
RdayRef = 2.06
sigma = 0.3
TPURef = 4038.37
VcmaxRef = 121.02
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

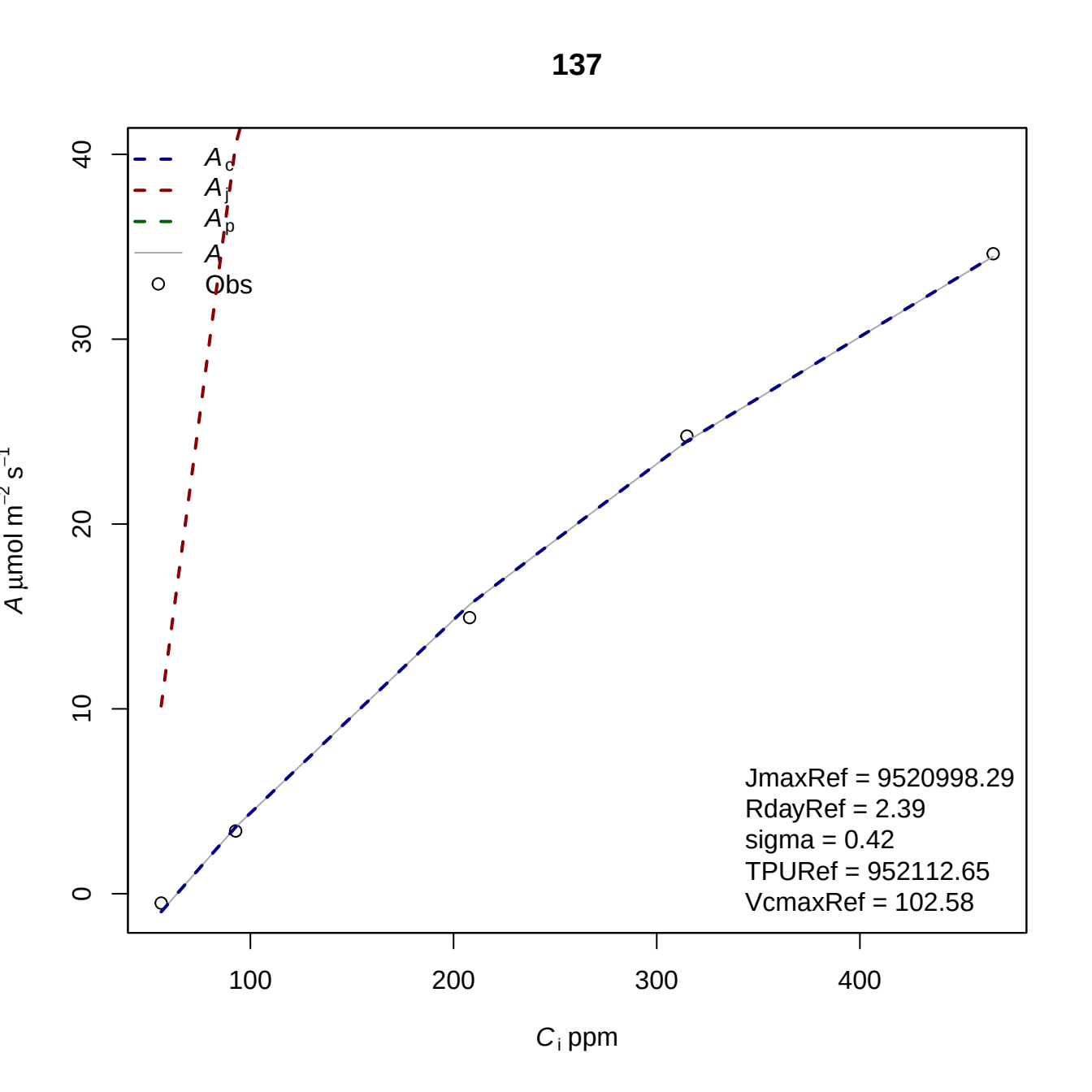

132
A_c
A_j
A_p
A
Obs
JmaxRef = 2276723.95
RdayRef = 1.44
sigma = 0.21
TPURef = 227684.17
VcmaxRef = 94.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

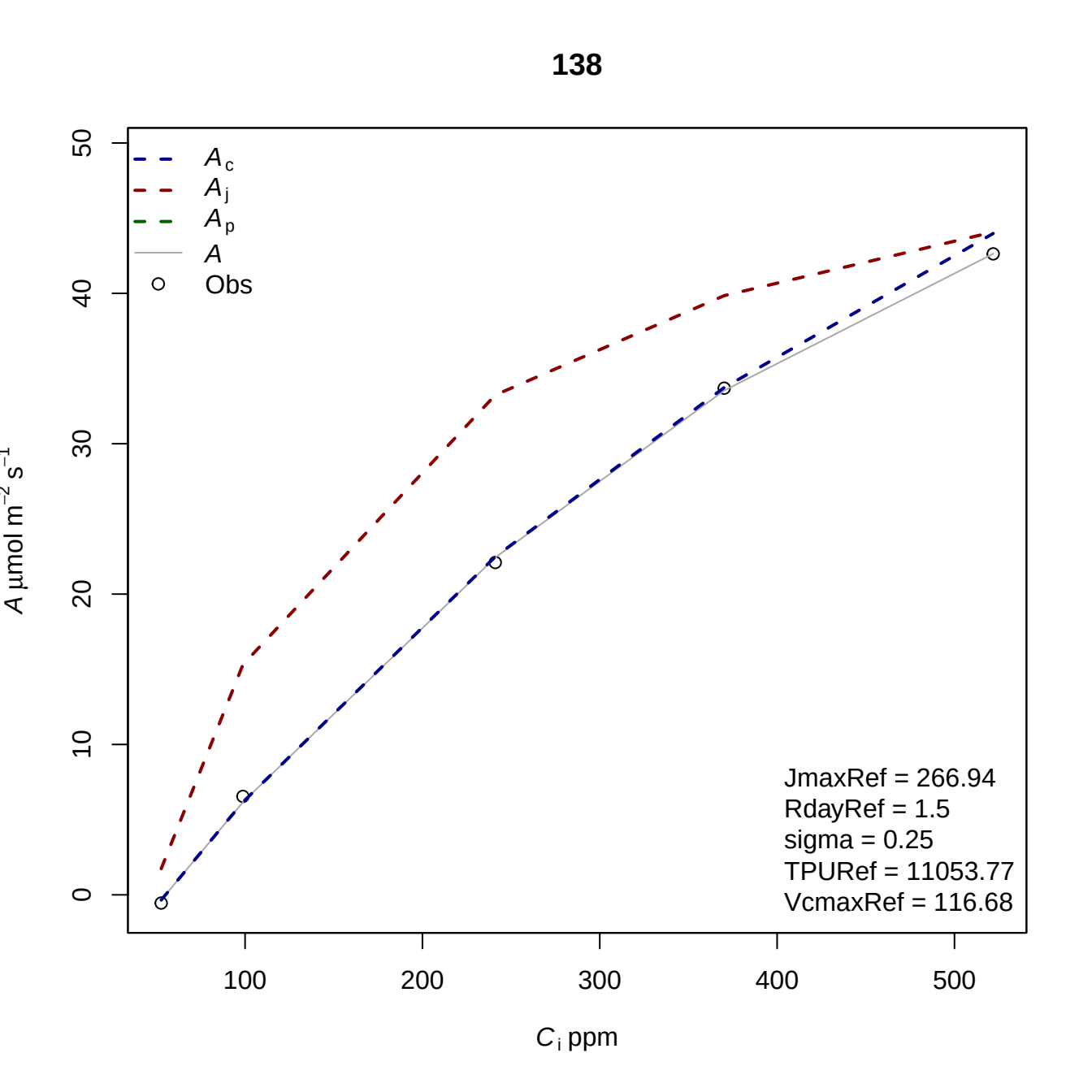

133
A_c
A_j
A_p
A
Obs
JmaxRef = 209.36
RdayRef = 1.65
sigma = 0.42
TPURef = 12.69
VcmaxRef = 109.01
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
100
200
300
400

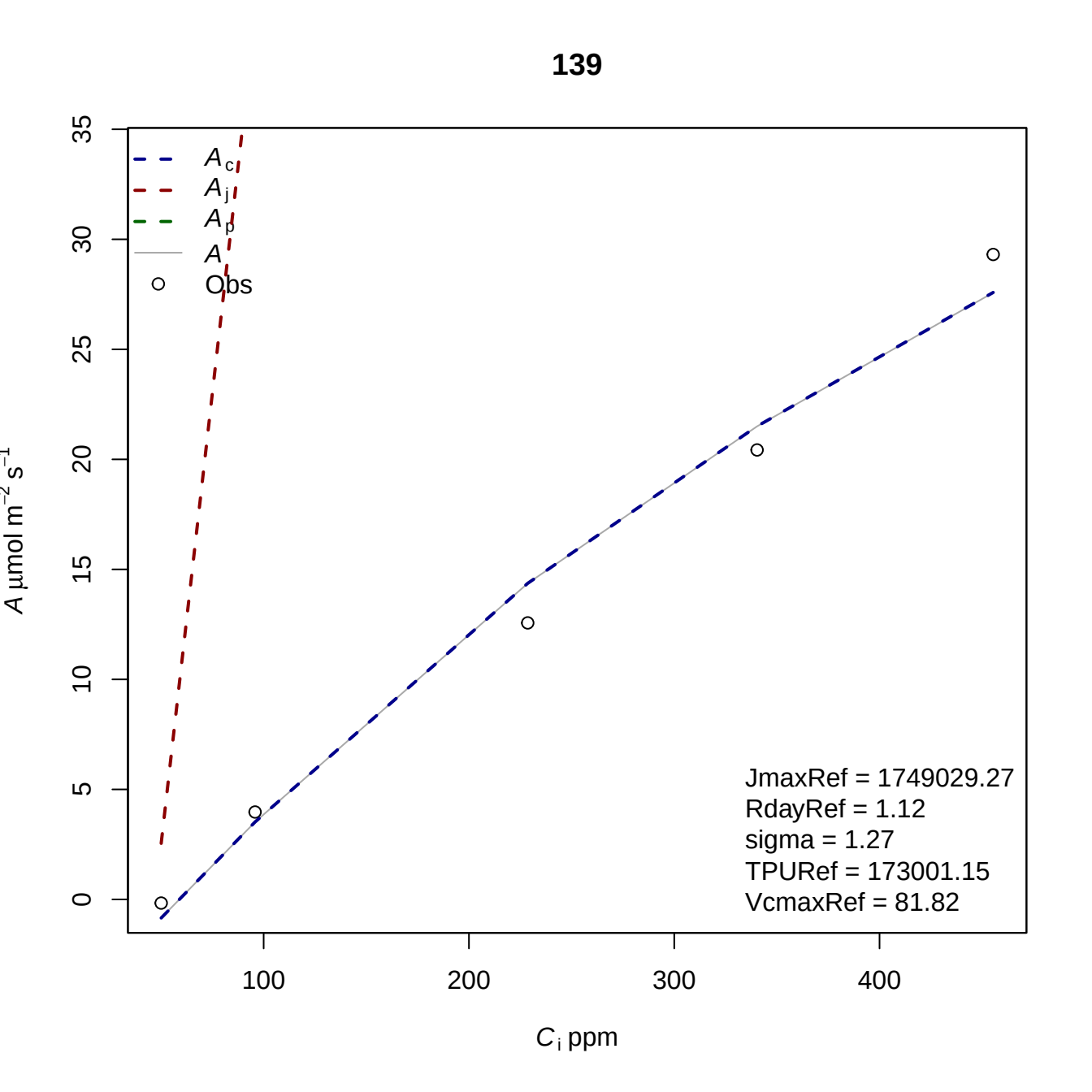

A_c
A_j
A_p
A
Obs
JmaxRef = 273.11
RdayRef = 0.62
sigma = 0.36
TPURef = 17.08
VcmaxRef = 124.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

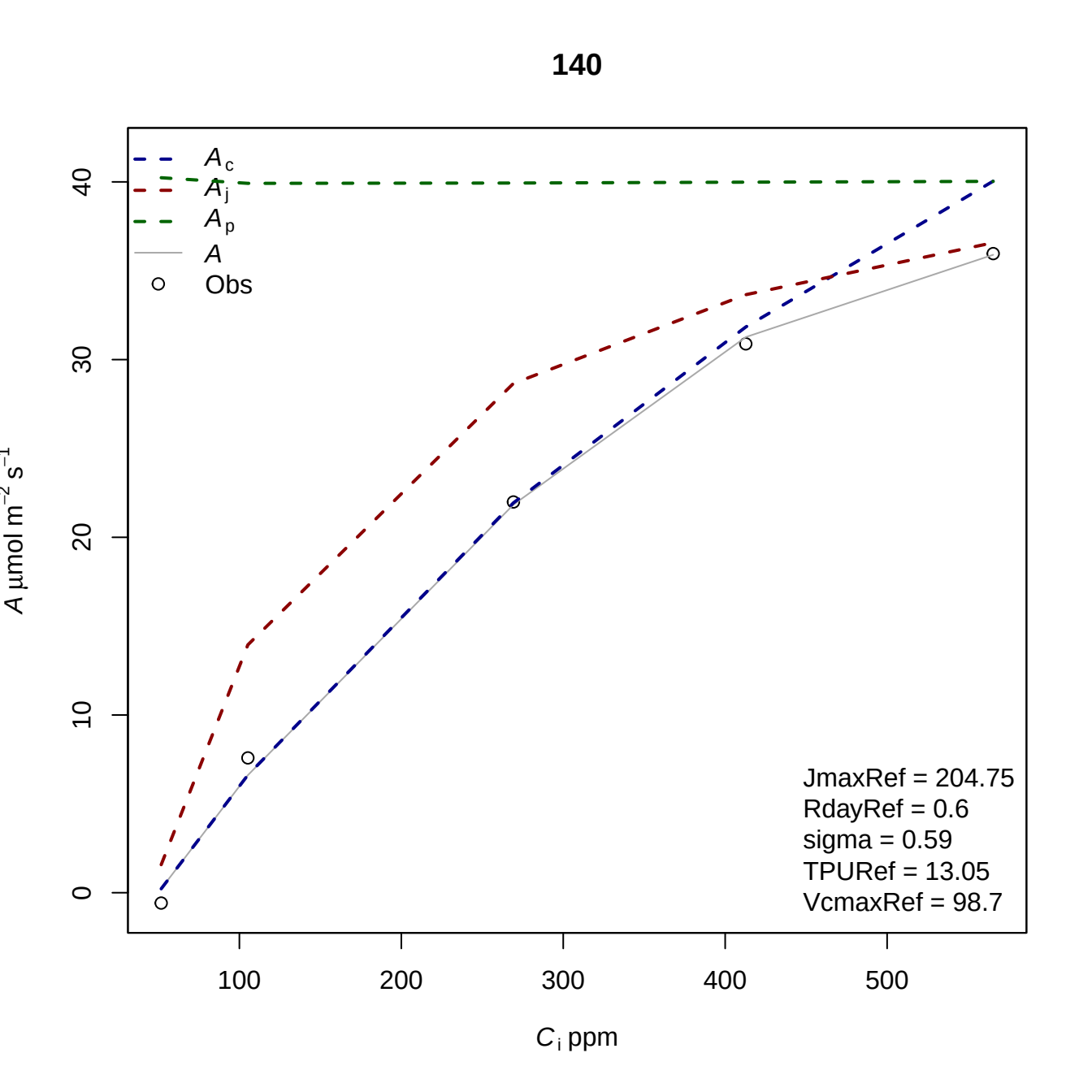

135
A_c
A_j
A_p
A
Obs
JmaxRef = 639563.08
RdayRef = 1.48
sigma = 0.44
TPURef = 276133.59
VcmaxRef = 66.16
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
50
100
150
200
250
300

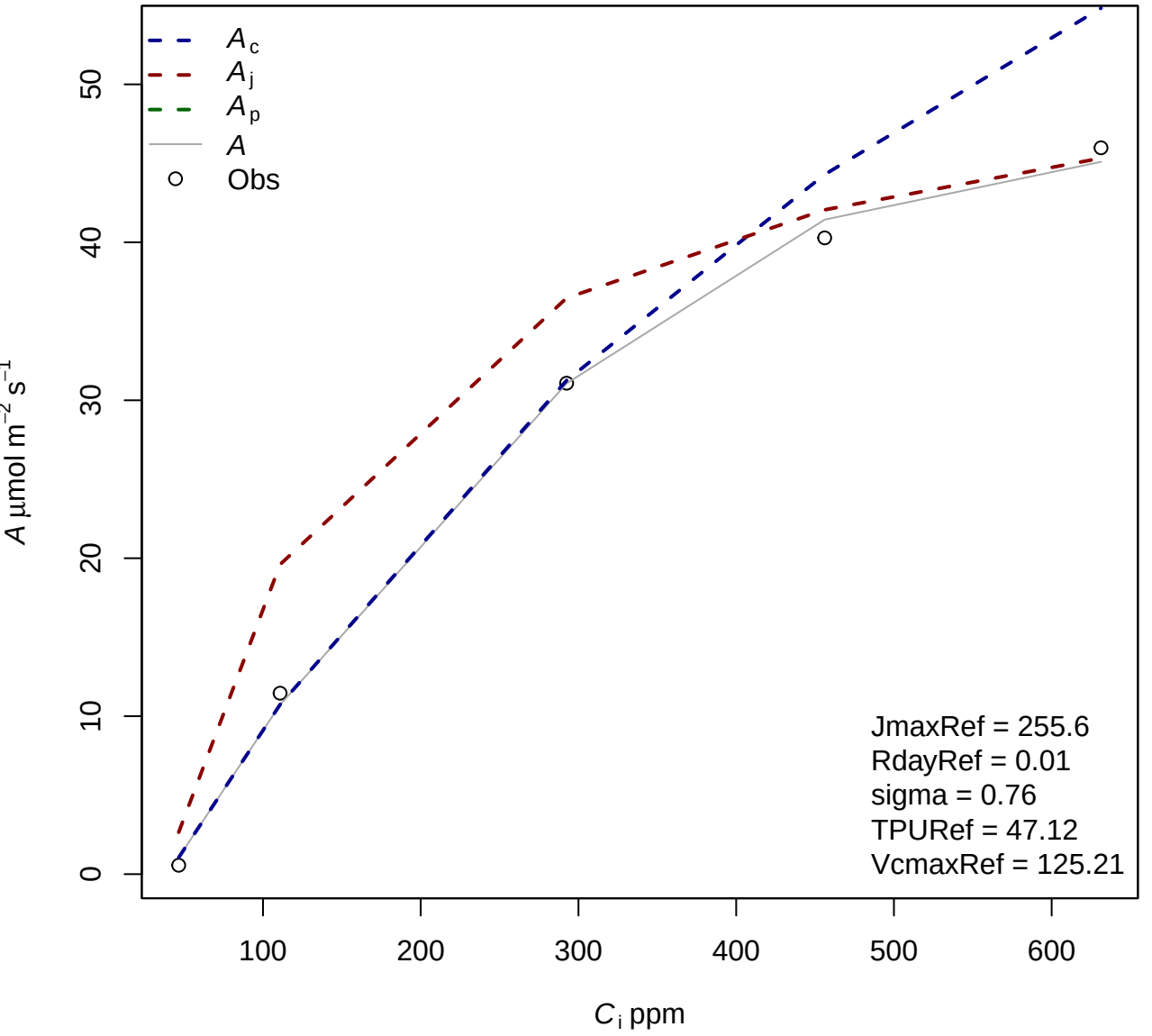

136
A_c
A_j
A_p
A
Obs
JmaxRef = 217.32
RdayRef = 0.38
sigma = 0.18
TPURef = 51517.84
VcmaxRef = 101.02
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

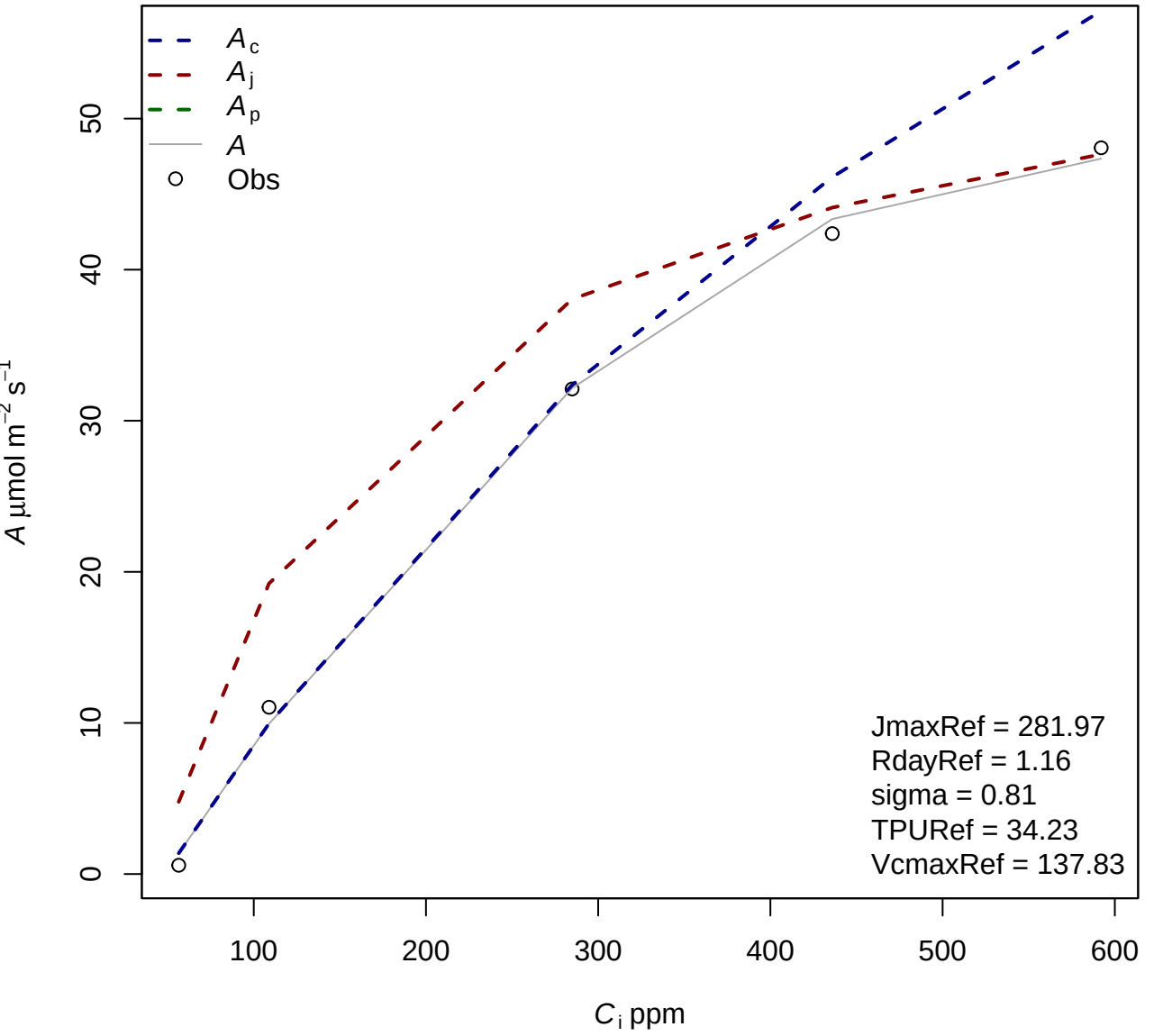

137
A_c
A_j
A_p
A
Obs
JmaxRef = 9520998.29
RdayRef = 2.39
sigma = 0.42
TPURef = 952112.65
VcmaxRef = 102.58
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400

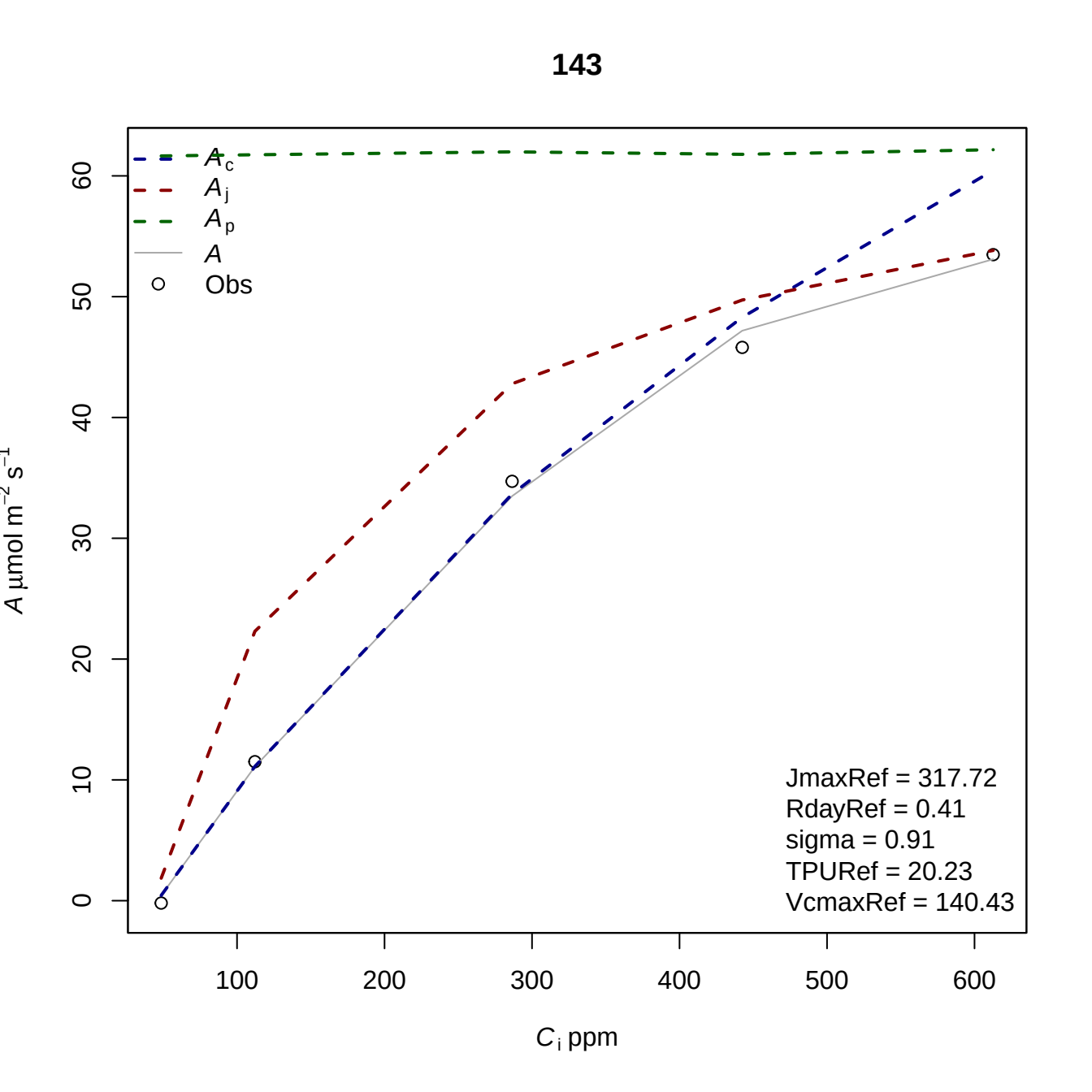

138
A_c
A_j
A_p
A
Obs
JmaxRef = 266.94
RdayRef = 1.5
sigma = 0.25
TPURef = 11053.77
VcmaxRef = 116.68
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

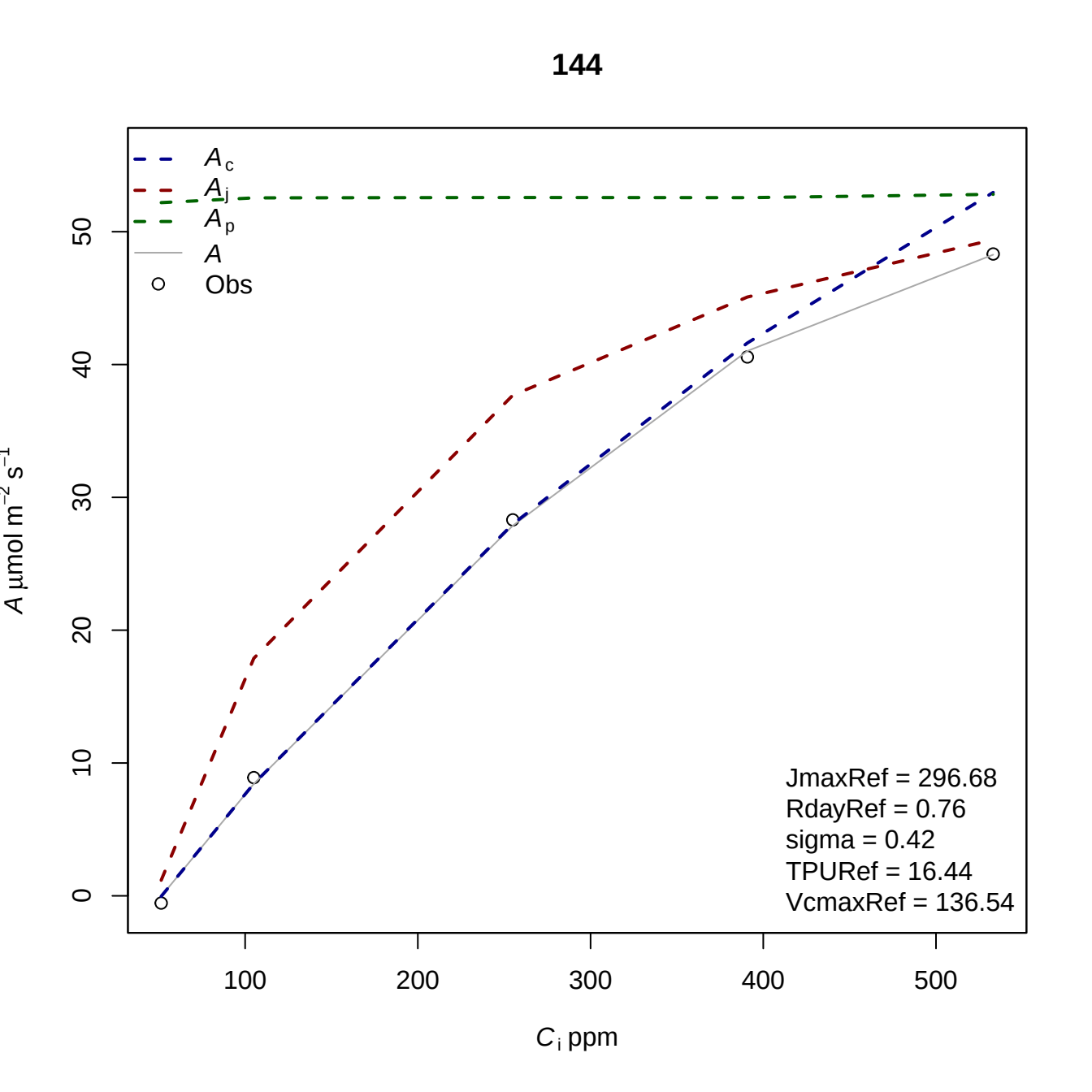

139
A_c
A_j
A_p
A
Obs
JmaxRef = 1749029.27
RdayRef = 1.12
sigma = 1.27
TPURef = 173001.15
VcmaxRef = 81.82
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400

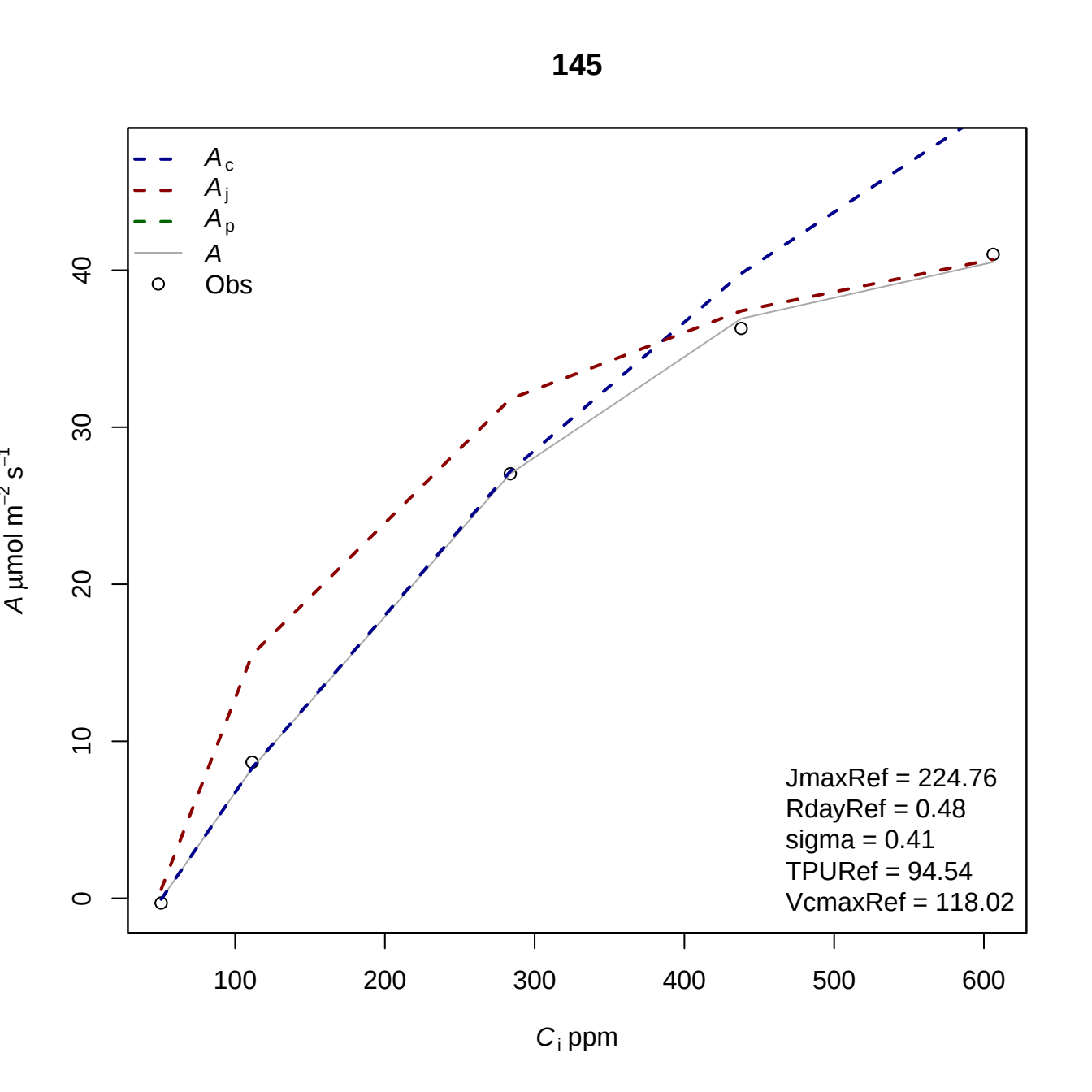

140
A_c
A_j
A_p
A
Obs
JmaxRef = 204.75
RdayRef = 0.6
sigma = 0.59
TPURef = 13.05
VcmaxRef = 98.7
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

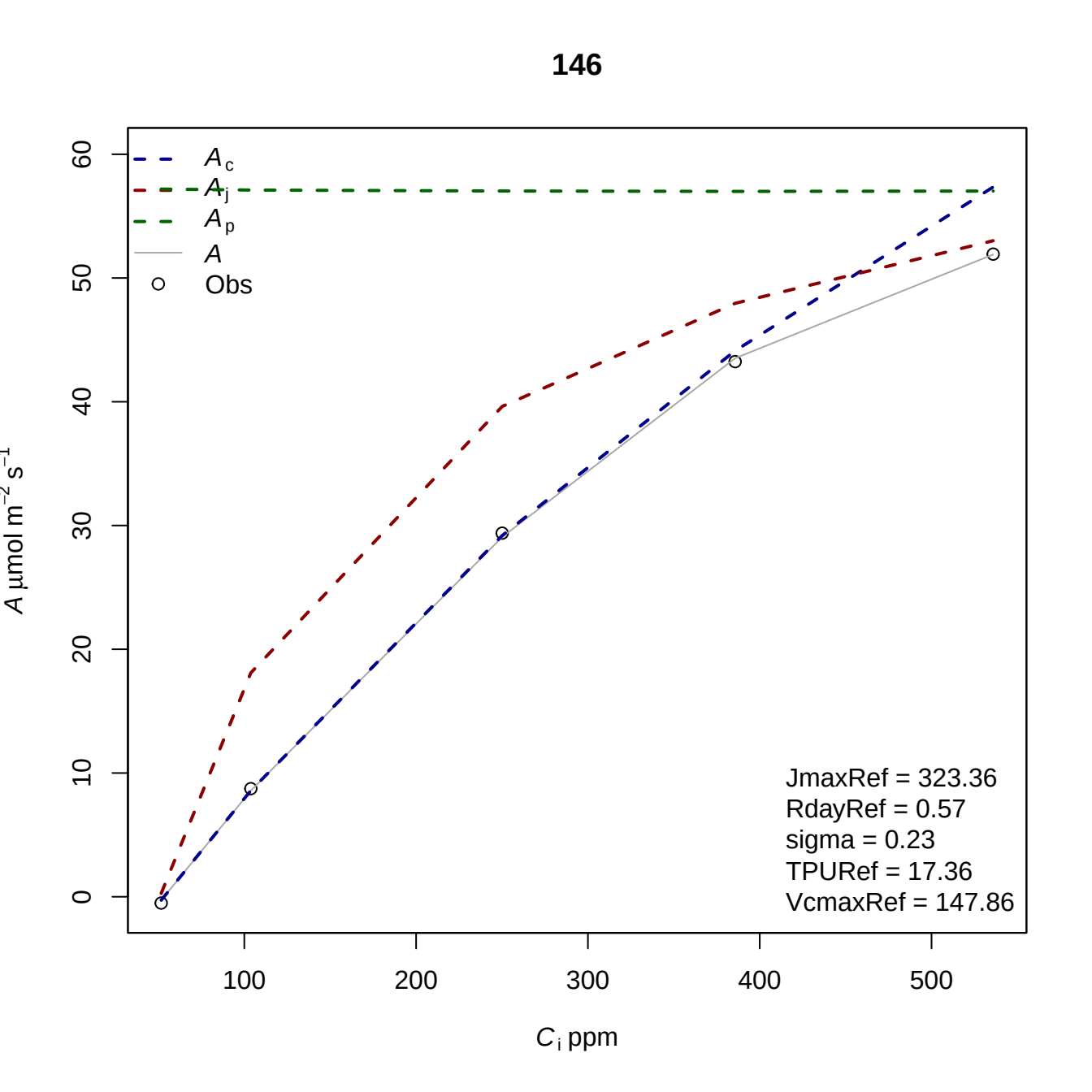

A_c
A_j
A_p
A
Obs
JmaxRef = 255.6
RdayRef = 0.01
sigma = 0.76
TPURef = 47.12
VcmaxRef = 125.21
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

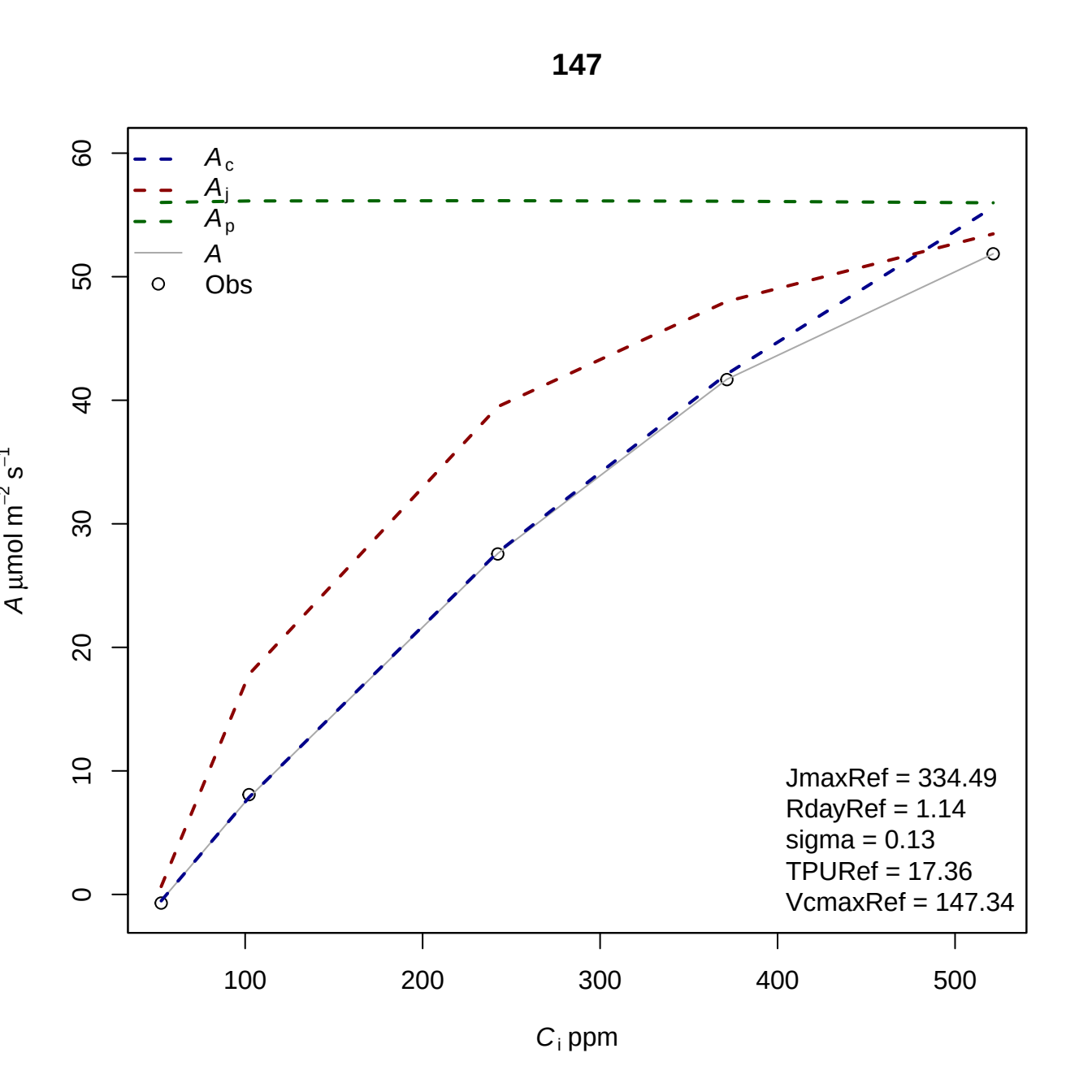

A_c
A_j
A_p
A
Obs
JmaxRef = 281.97
RdayRef = 1.16
sigma = 0.81
TPURef = 34.23
VcmaxRef = 137.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

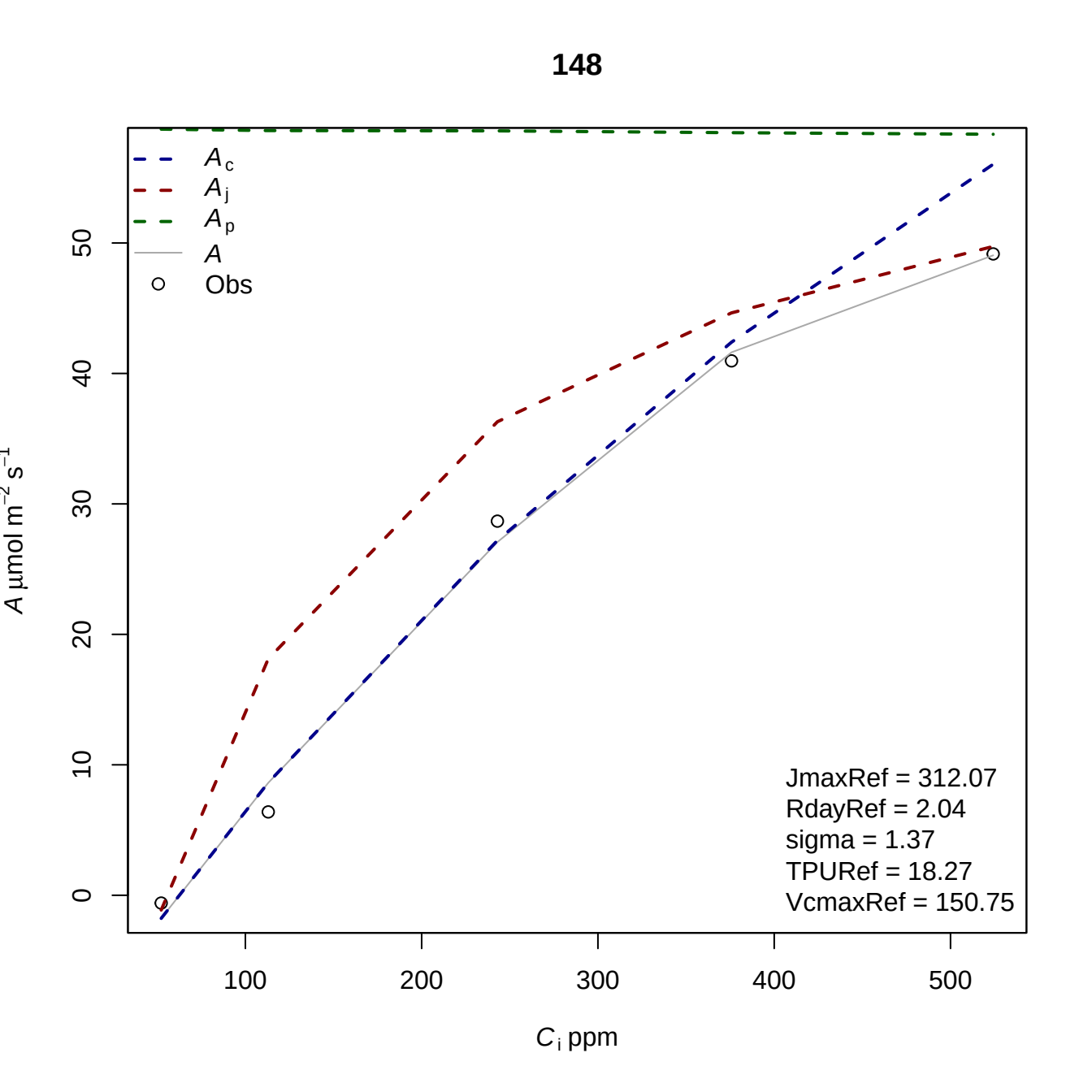

143
A_c
A_j
A_p
A
Obs
JmaxRef = 317.72
RdayRef = 0.41
sigma = 0.91
TPURef = 20.23
VcmaxRef = 140.43
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

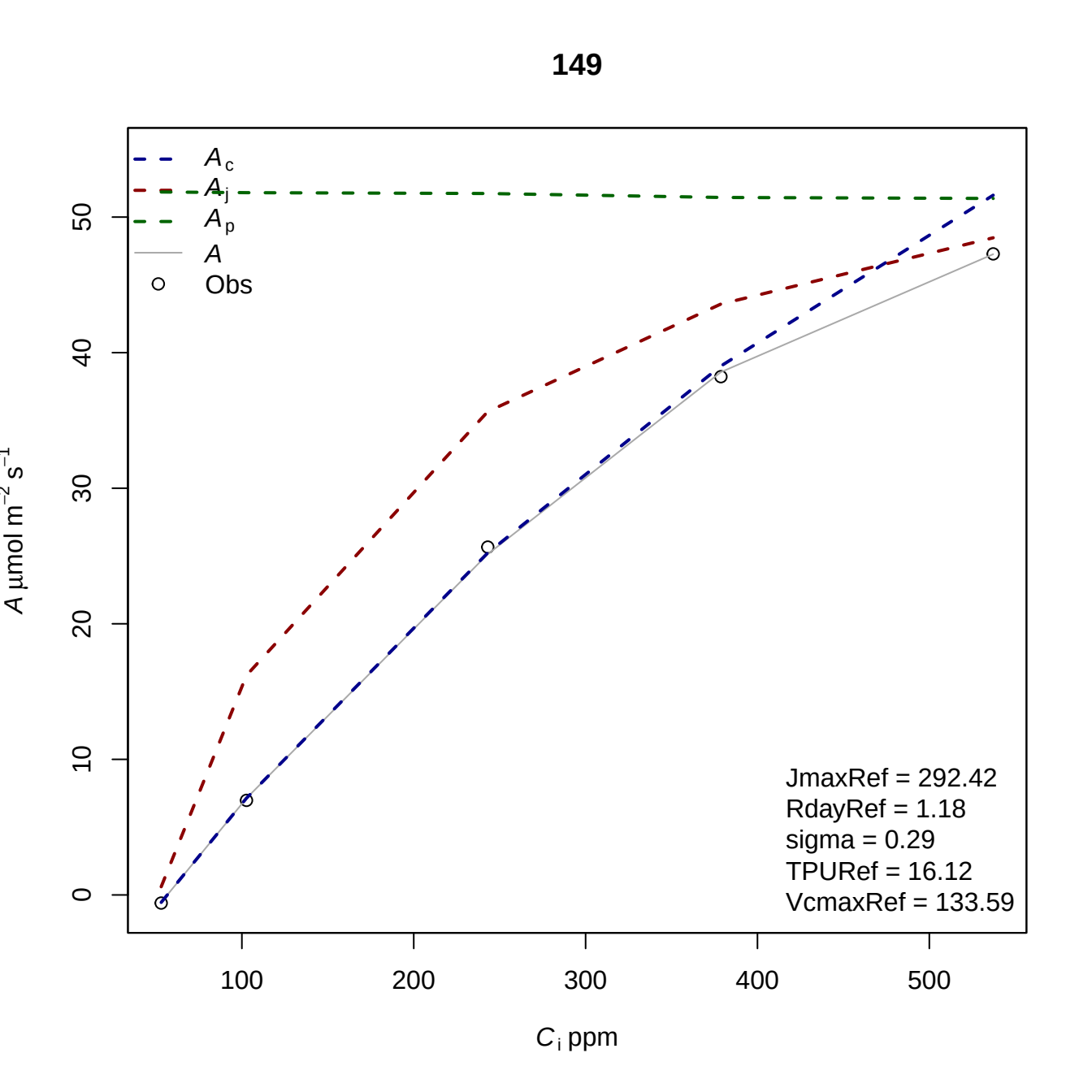

144
A_c
A_j
A_p
A
Obs
JmaxRef = 296.68
RdayRef = 0.76
sigma = 0.42
TPURef = 16.44
VcmaxRef = 136.54
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

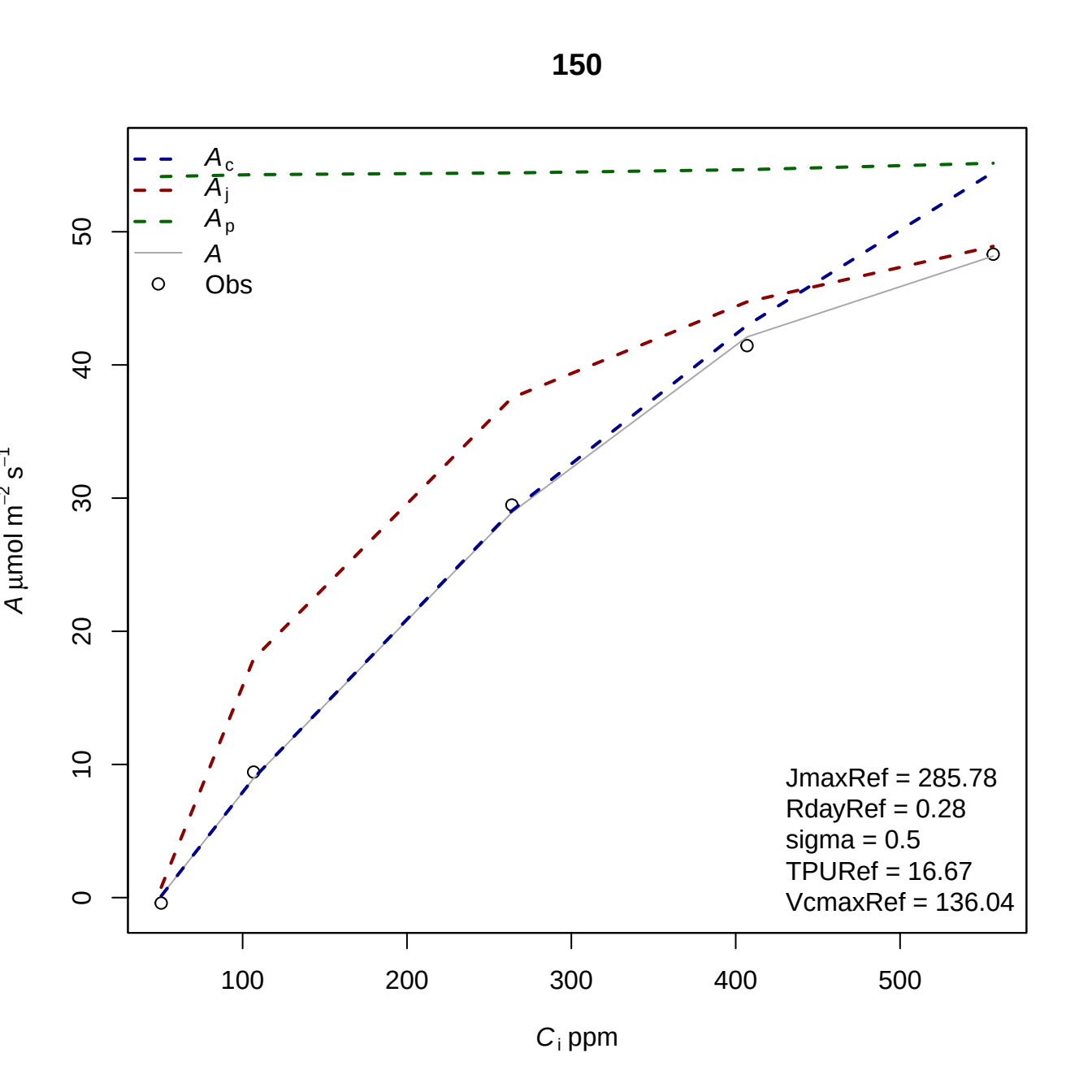

145
A_c
A_j
A_p
A
Obs
JmaxRef = 224.76
RdayRef = 0.48
sigma = 0.41
TPURef = 94.54
VcmaxRef = 118.02
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

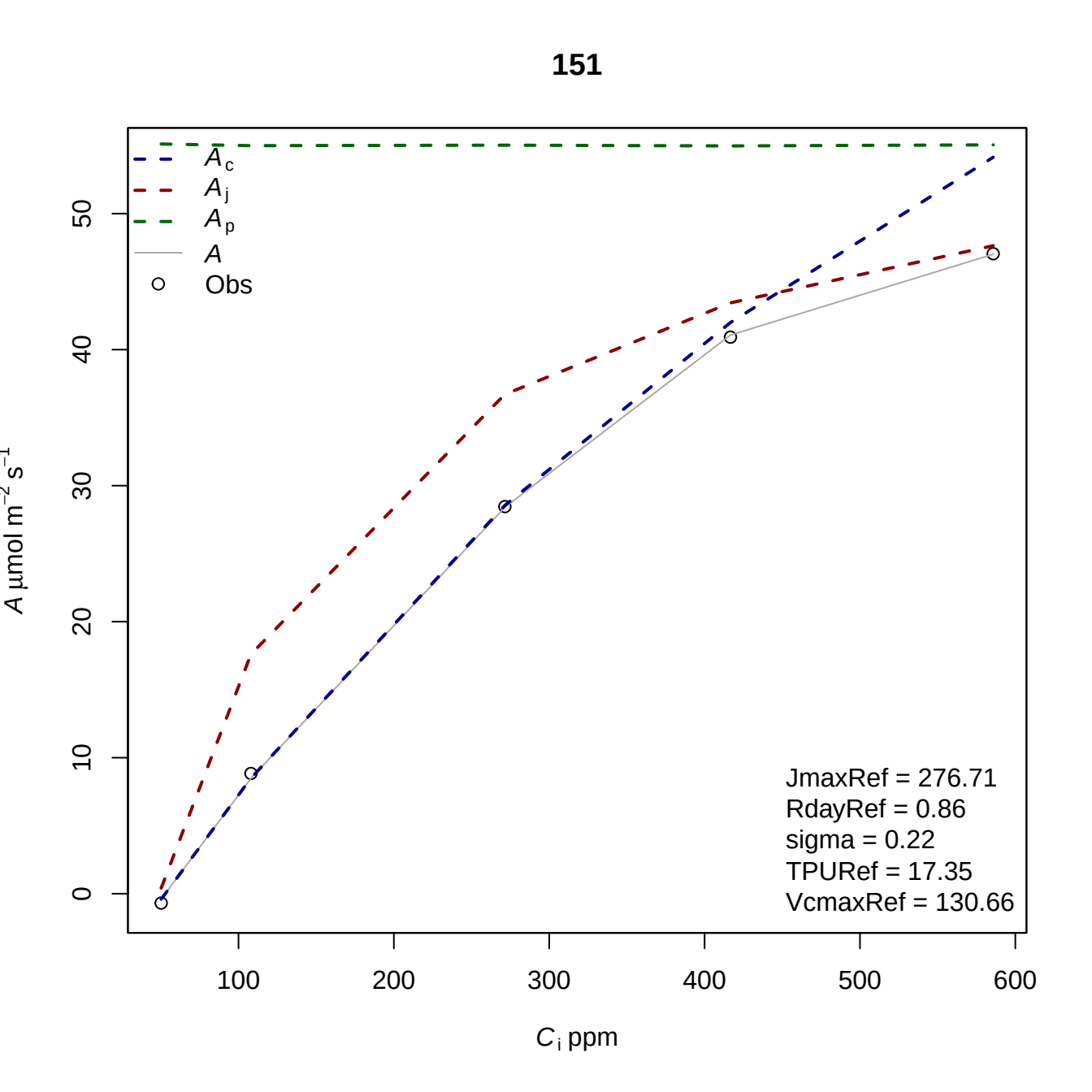

146
A_c
A_j
A_p
A
Obs
JmaxRef = 323.36
RdayRef = 0.57
sigma = 0.23
TPURef = 17.36
VcmaxRef = 147.86
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

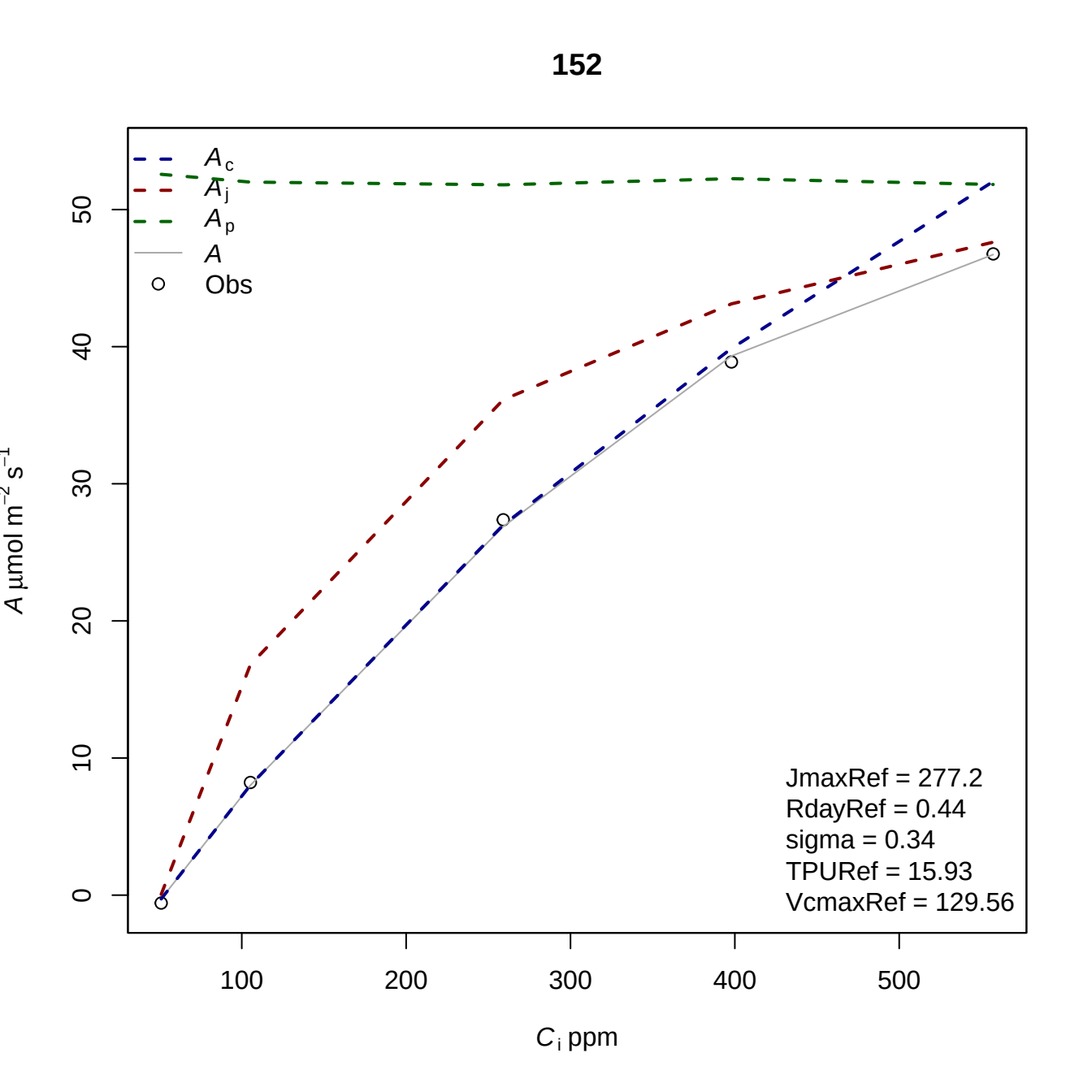

147
A_c
A_j
A_p
A
Obs
JmaxRef = 334.49
RdayRef = 1.14
sigma = 0.13
TPURef = 17.36
VcmaxRef = 147.34
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

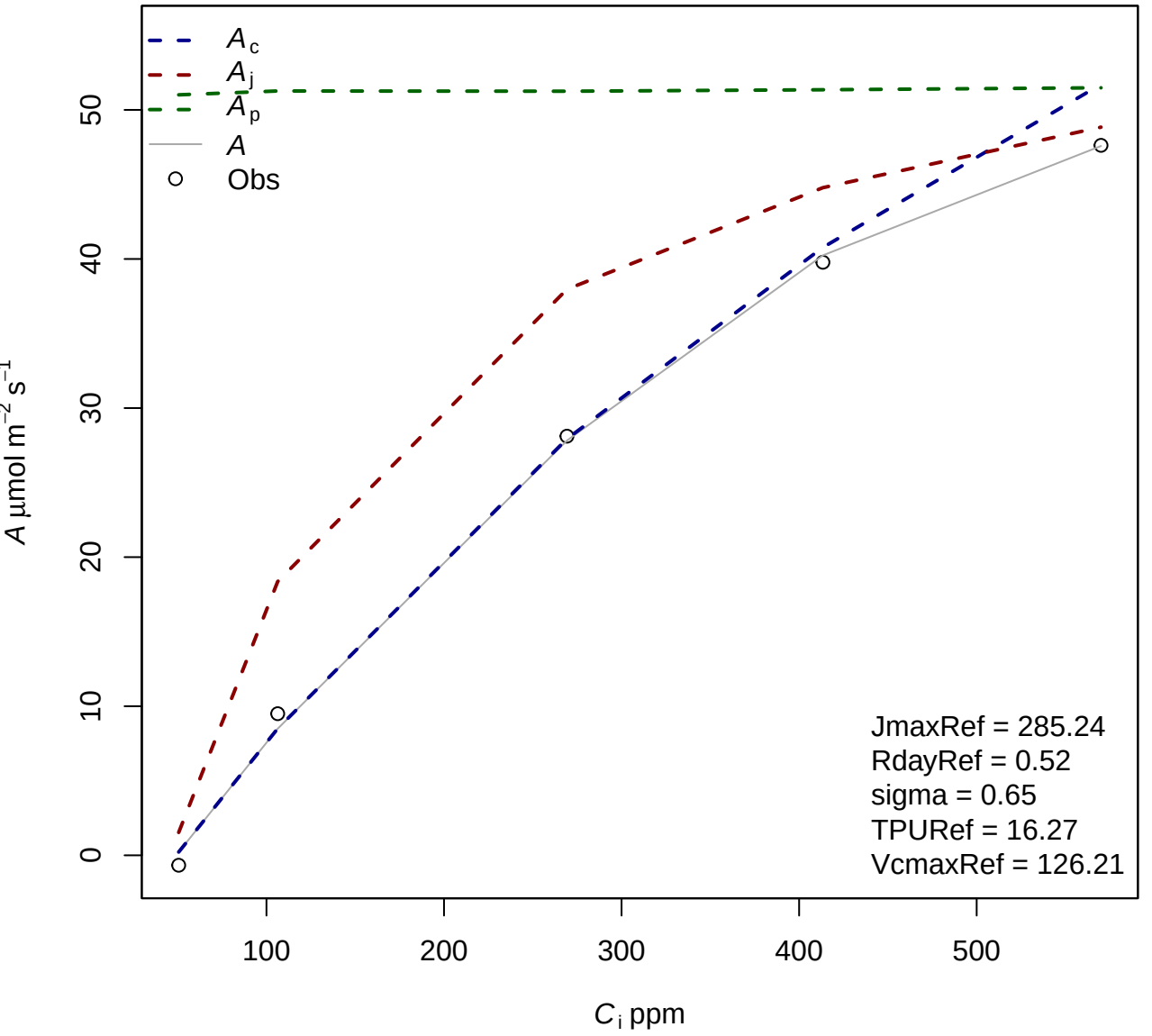

148
A_c
A_j
A_p
A
Obs
JmaxRef = 312.07
RdayRef = 2.04
sigma = 1.37
TPURef = 18.27
VcmaxRef = 150.75
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

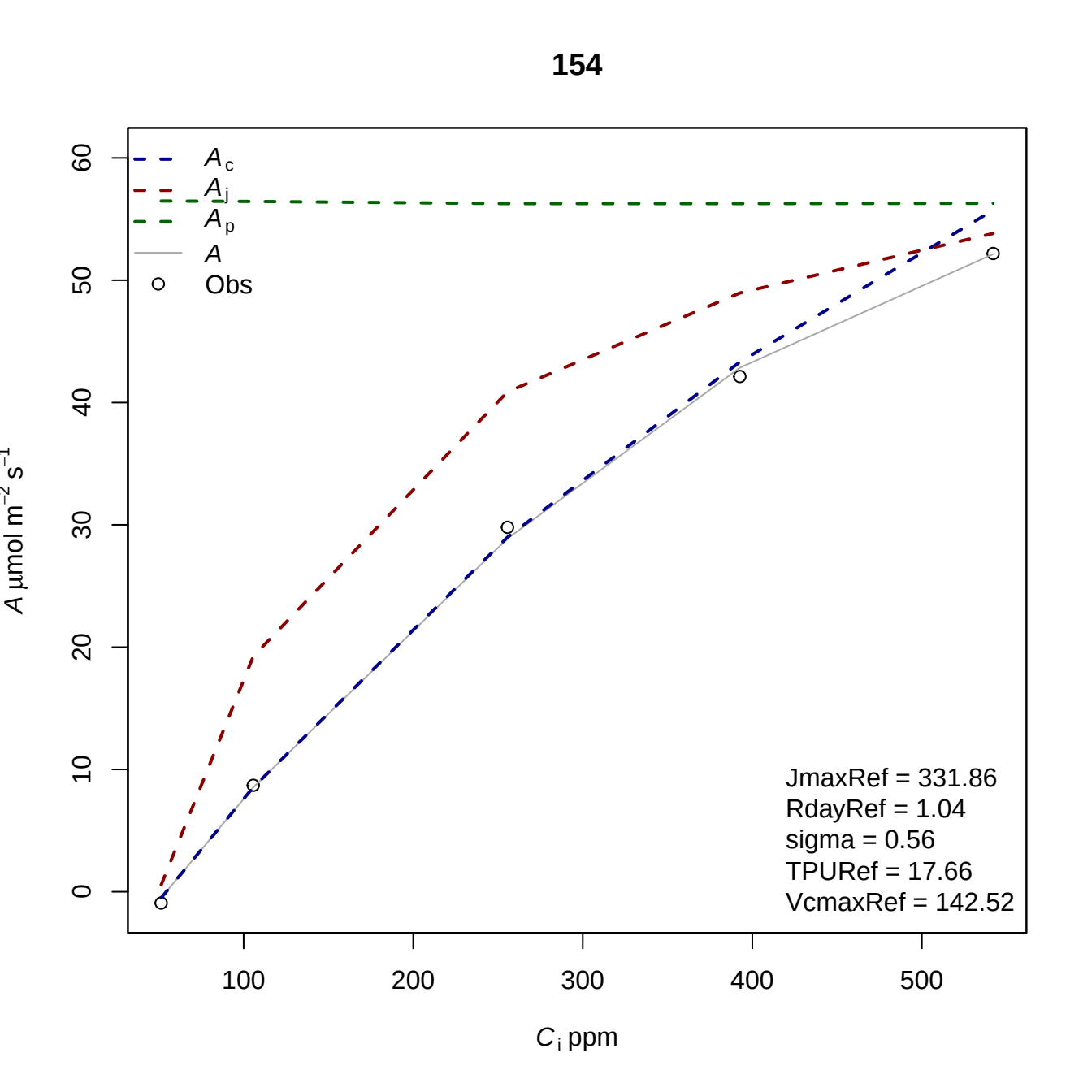

149
A_c
A_j
A_p
A
Obs
JmaxRef = 292.42
RdayRef = 1.18
sigma = 0.29
TPURef = 16.12
VcmaxRef = 133.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

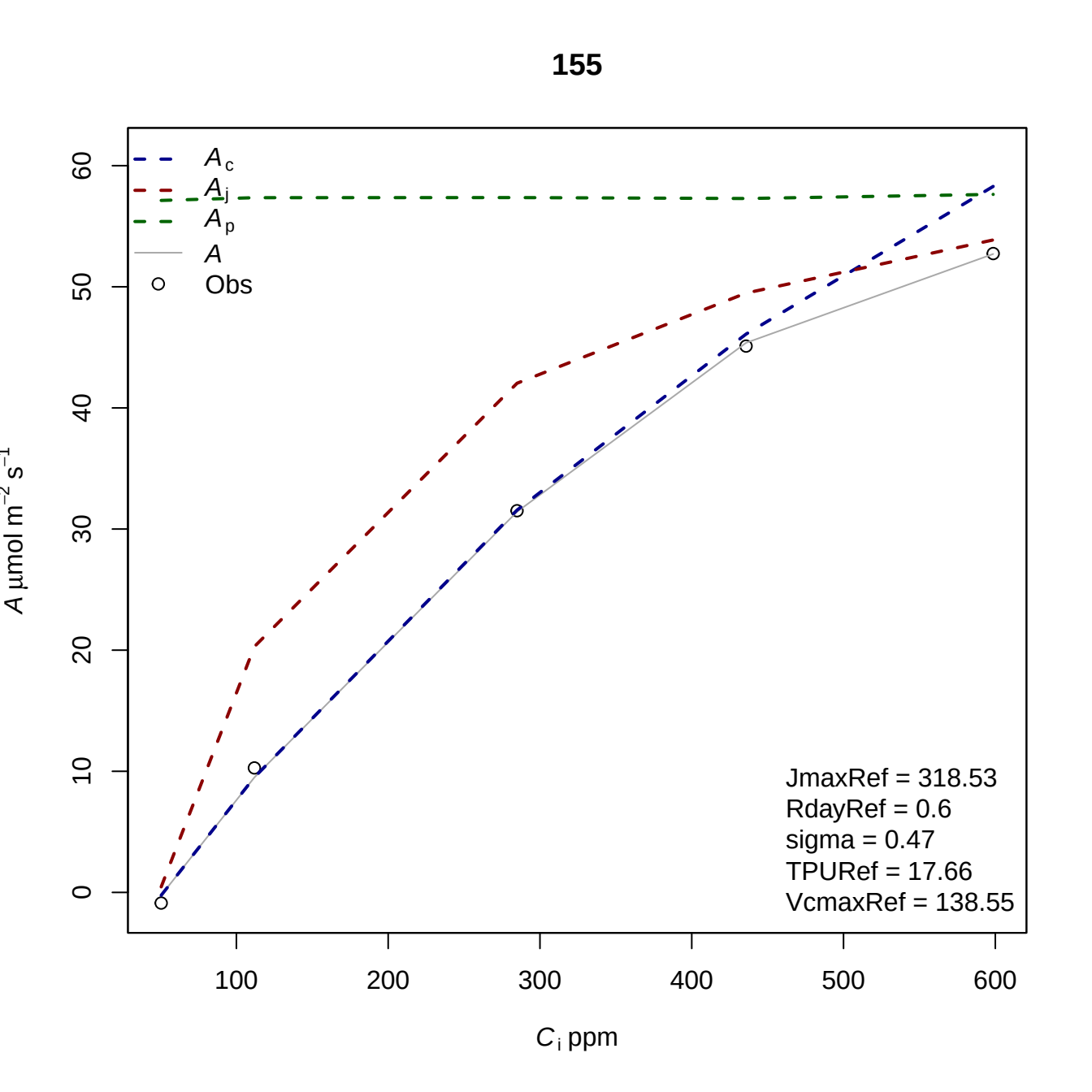

150
A_c
A_j
A_p
A
Obs
JmaxRef = 285.78
RdayRef = 0.28
sigma = 0.5
TPURef = 16.67
VcmaxRef = 136.04
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

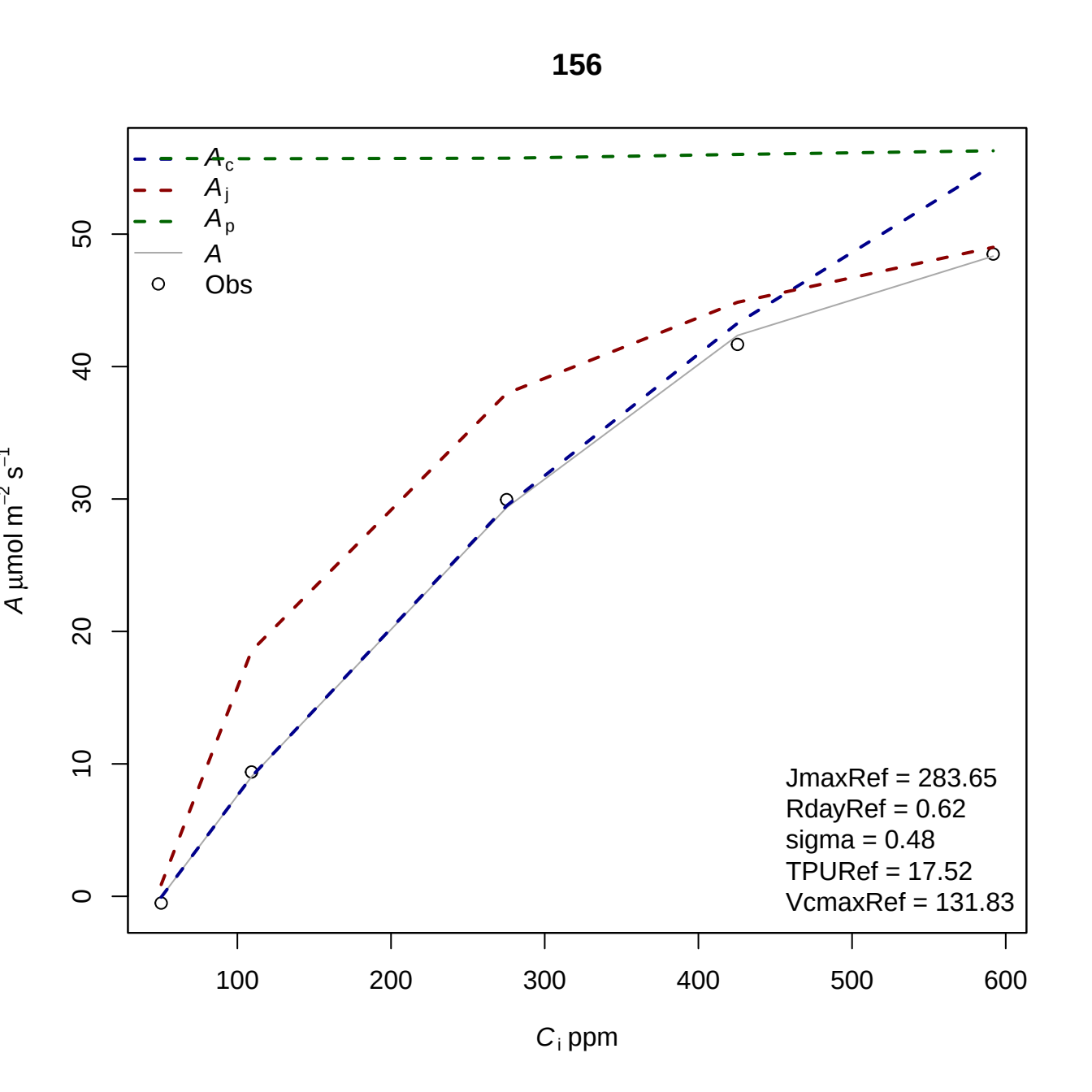

151
A_c
A_j
A_p
A
Obs
JmaxRef = 276.71
RdayRef = 0.86
sigma = 0.22
TPURef = 17.35
VcmaxRef = 130.66
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

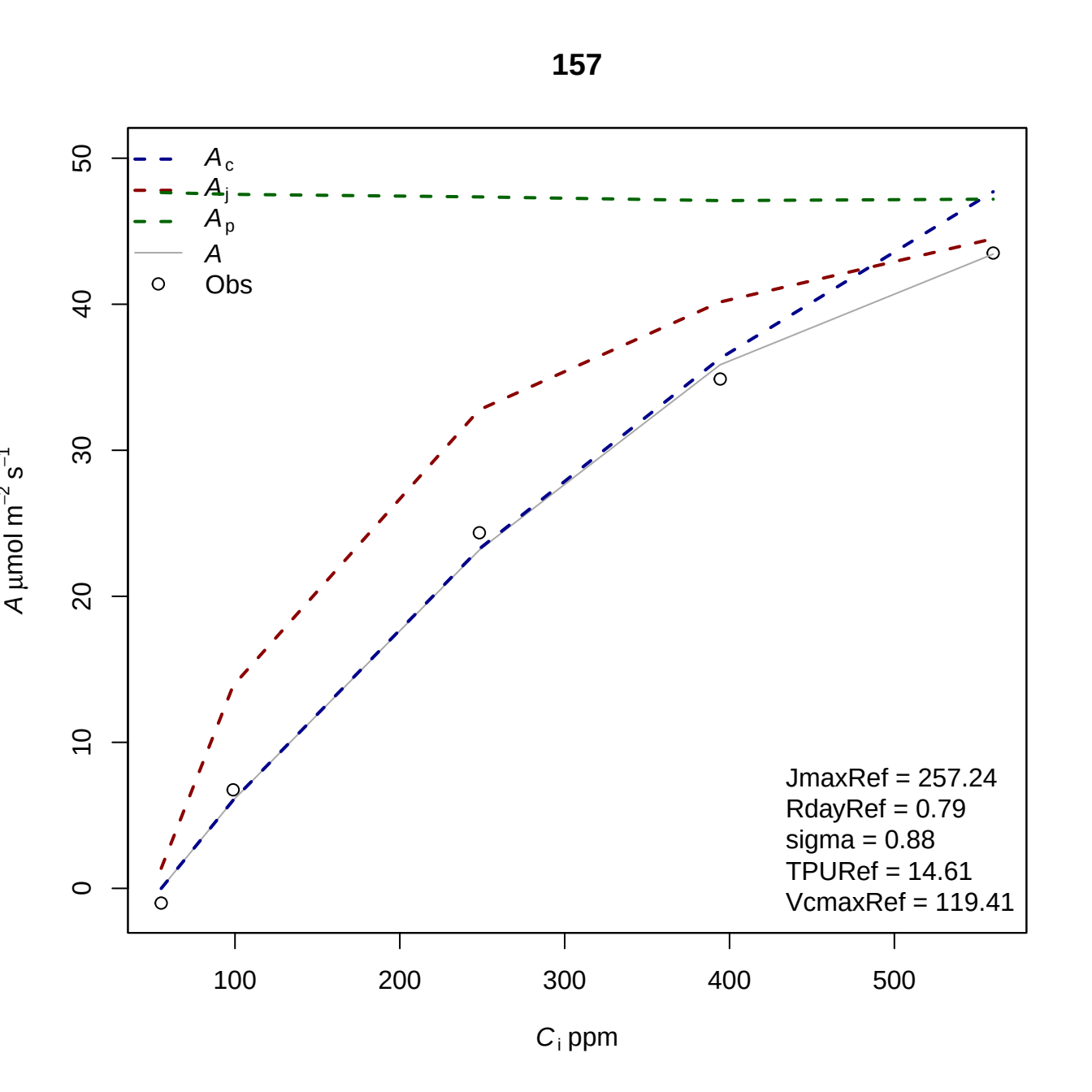

152
A_c
A_j
A_p
A
Obs
JmaxRef = 277.2
RdayRef = 0.44
sigma = 0.34
TPURef = 15.93
VcmaxRef = 129.56
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

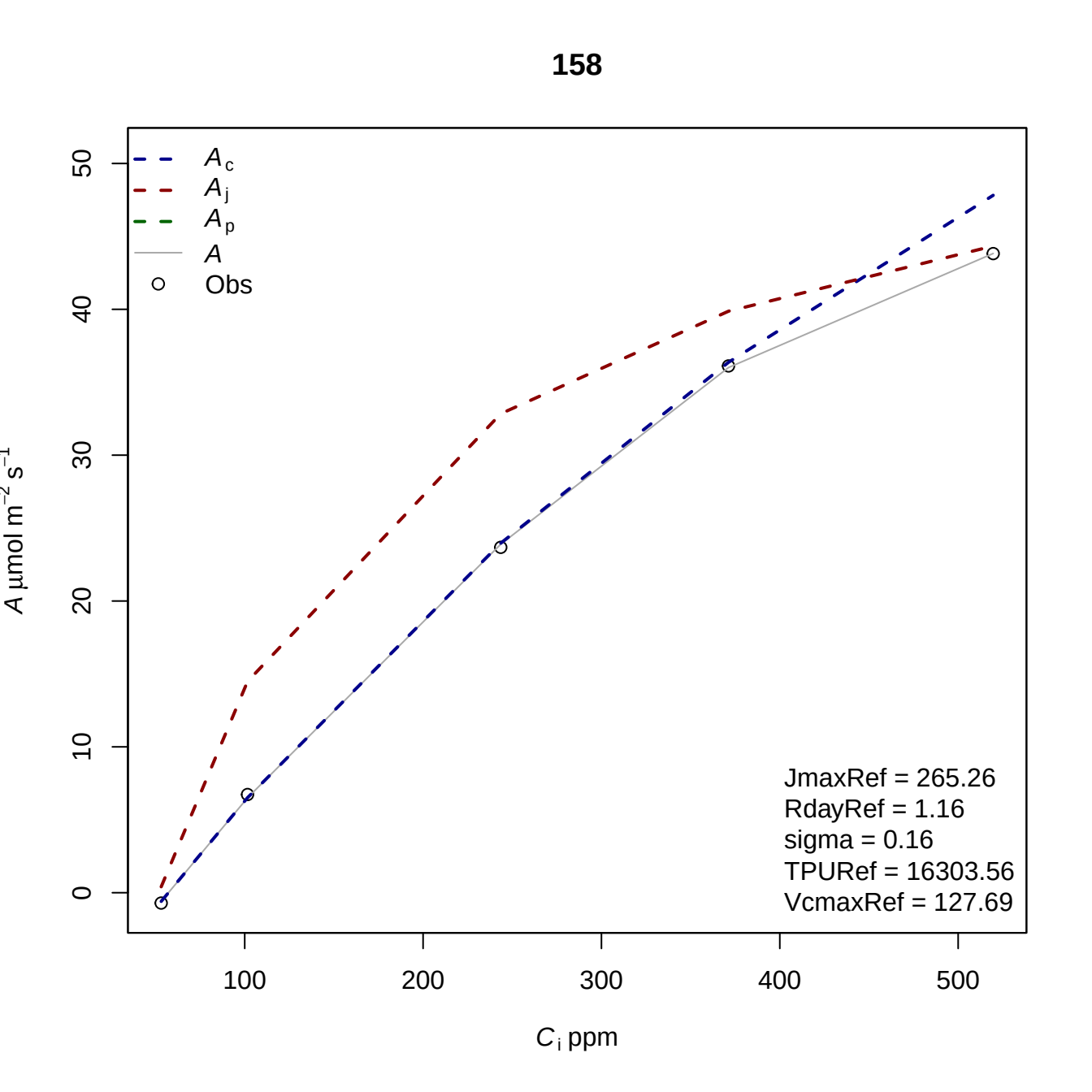

A_c
A_j
A_p
A
Obs
JmaxRef = 285.24
RdayRef = 0.52
sigma = 0.65
TPURef = 16.27
VcmaxRef = 126.21
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

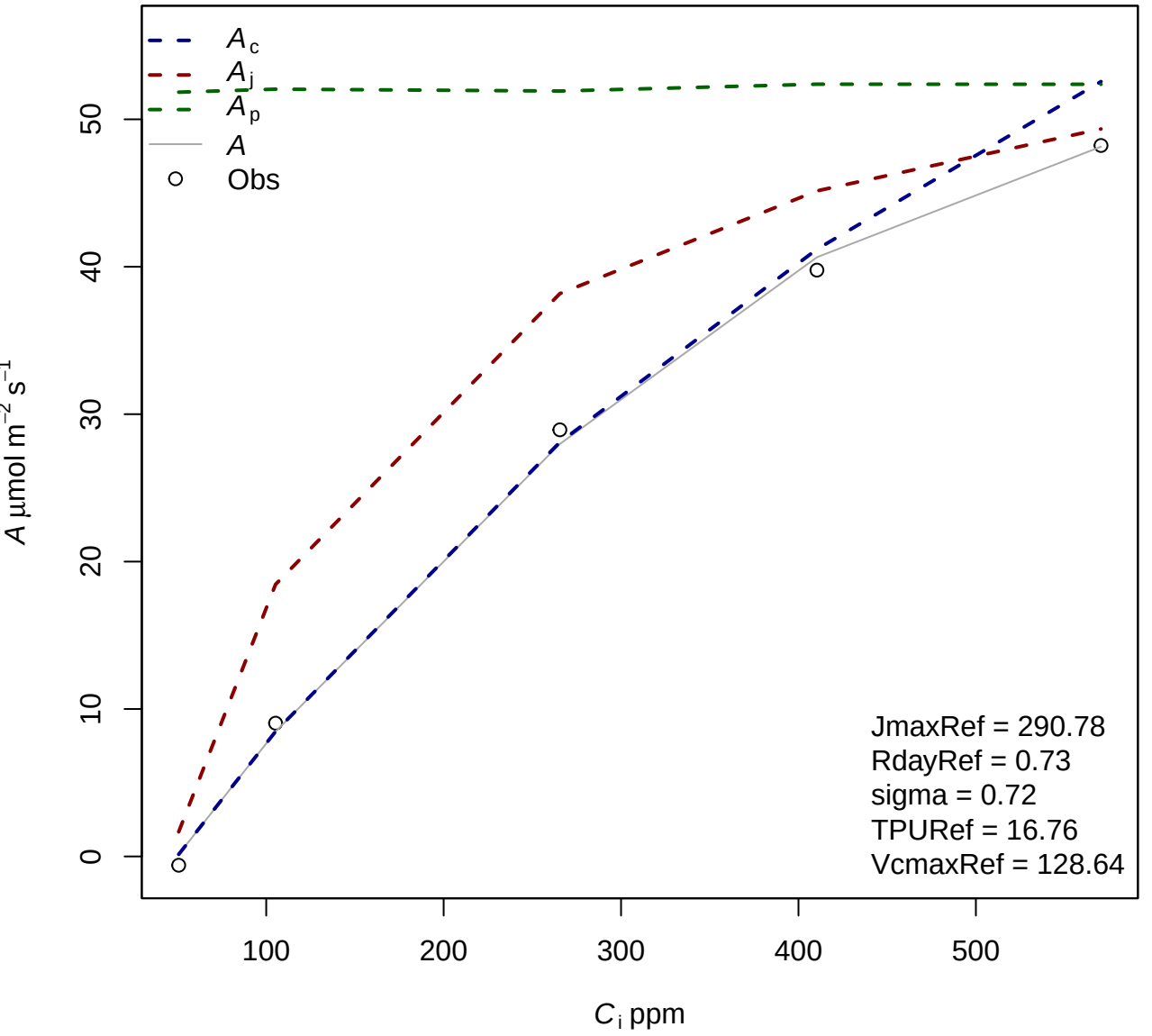

154
A_c
A_j
A_p
A
Obs
JmaxRef = 331.86
RdayRef = 1.04
sigma = 0.56
TPURef = 17.66
VcmaxRef = 142.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

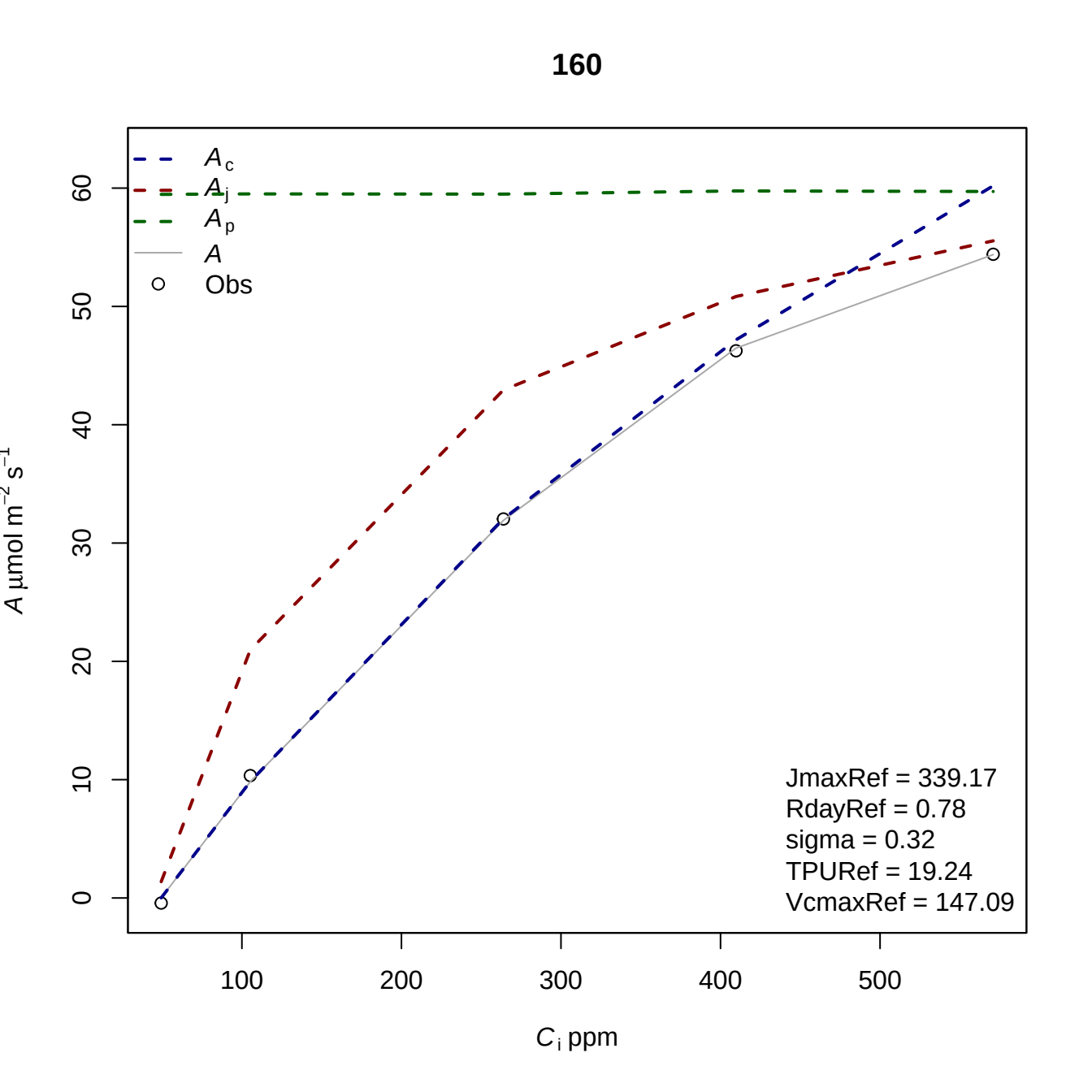

155
A_c
A_j
A_p
A
Obs
JmaxRef = 318.53
RdayRef = 0.6
sigma = 0.47
TPURef = 17.66
VcmaxRef = 138.55
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

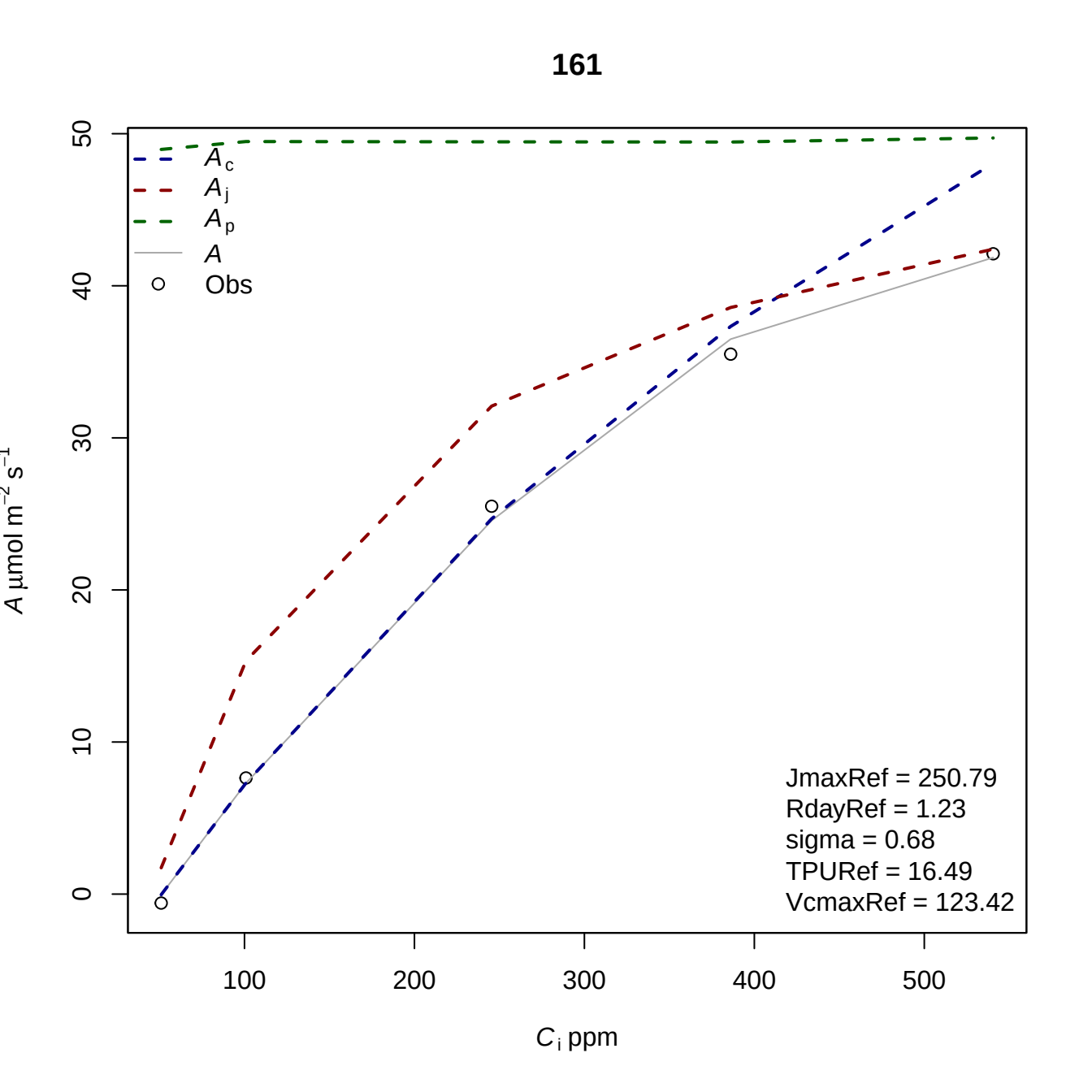

156
A_c
A_j
A_p
A
Obs
JmaxRef = 283.65
RdayRef = 0.62
sigma = 0.48
TPURef = 17.52
VcmaxRef = 131.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

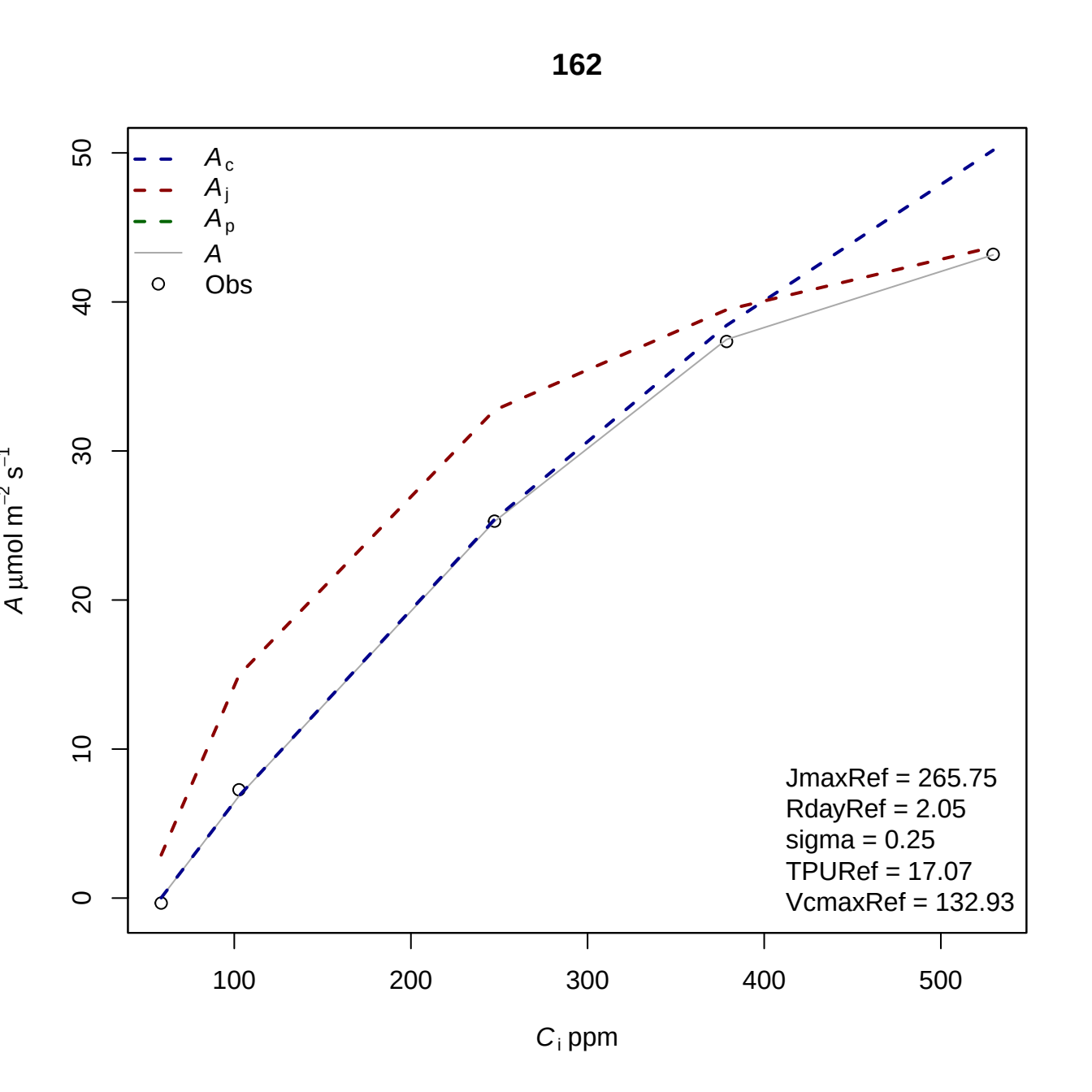

157
A_c
A_j
A_p
A
Obs
JmaxRef = 257.24
RdayRef = 0.79
sigma = 0.88
TPURef = 14.61
VcmaxRef = 119.41
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

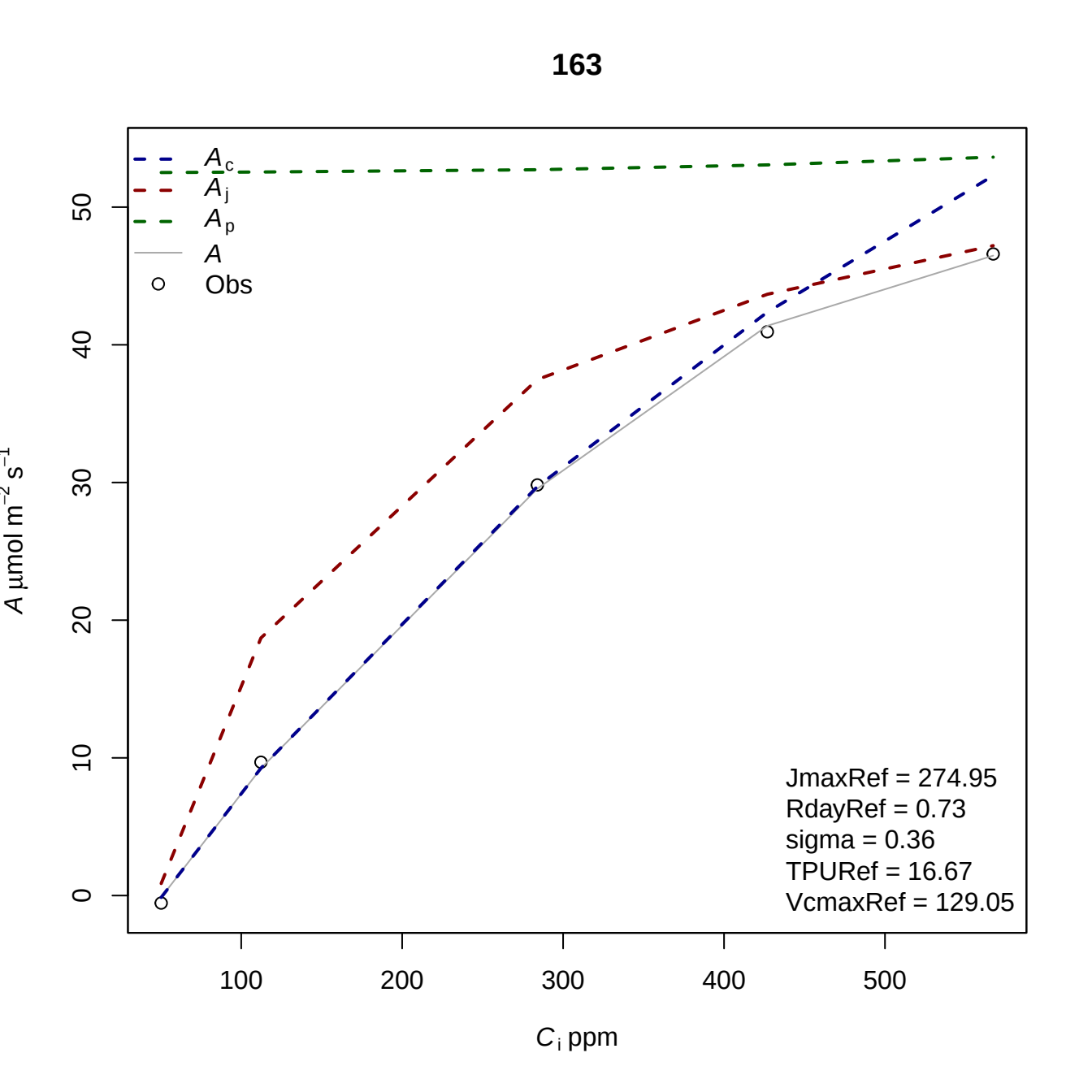

158
A_c
A_j
A_p
A
Obs
JmaxRef = 265.26
RdayRef = 1.16
sigma = 0.16
TPURef = 16303.56
VcmaxRef = 127.69
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

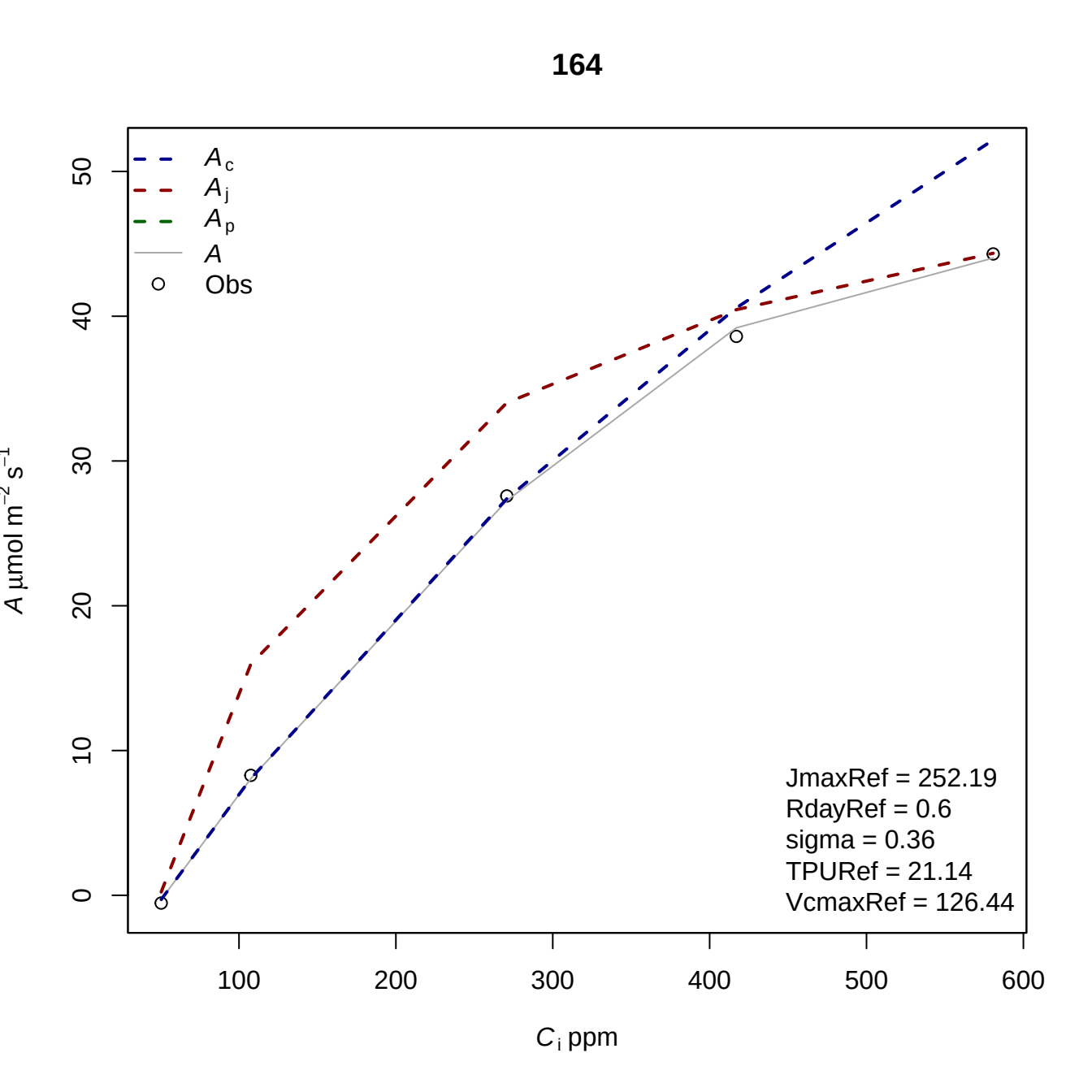

A_c
A_j
A_p
A
Obs
JmaxRef = 290.78
RdayRef = 0.73
sigma = 0.72
TPURef = 16.76
VcmaxRef = 128.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

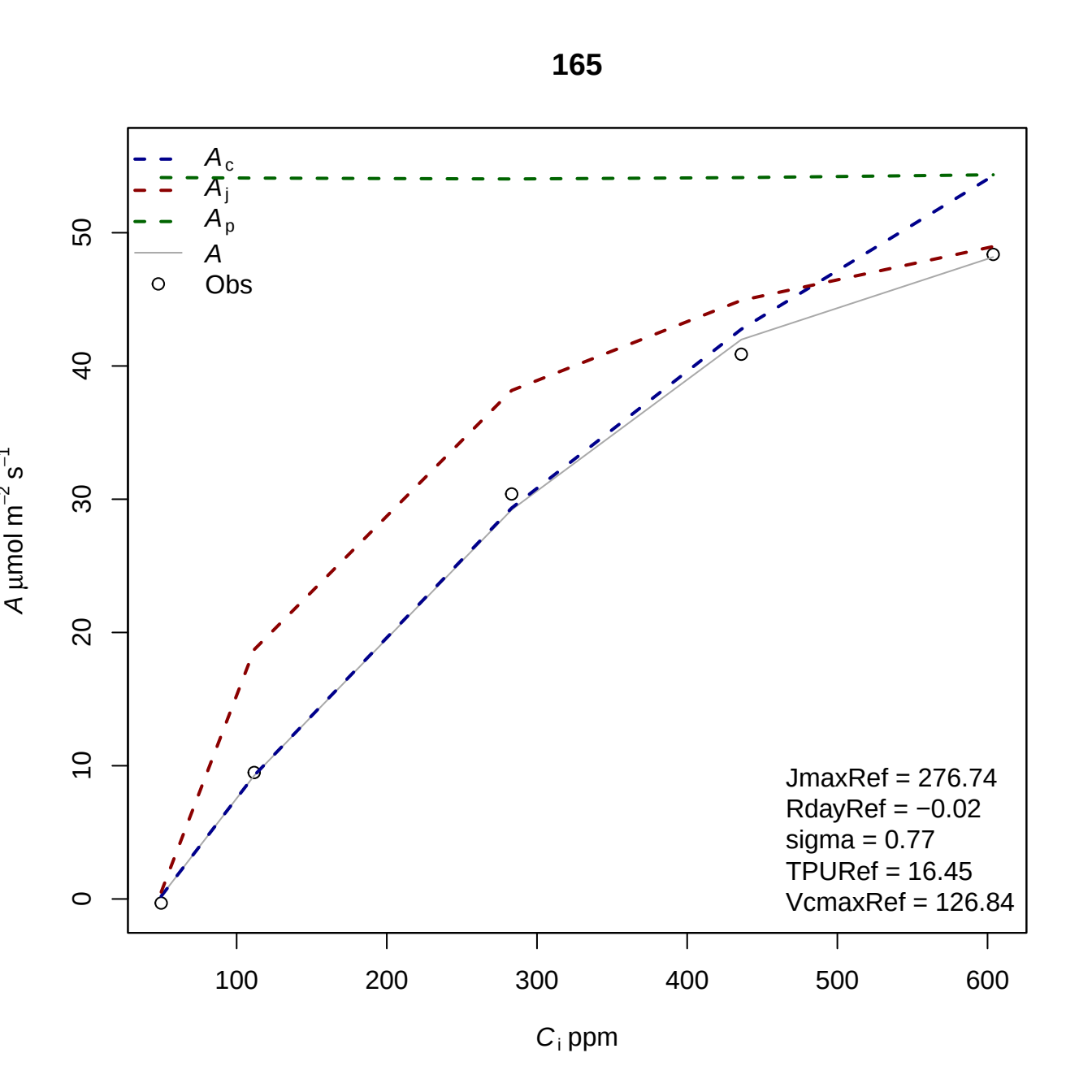

160
A_c
A_j
A_p
A
Obs
JmaxRef = 339.17
RdayRef = 0.78
sigma = 0.32
TPURef = 19.24
VcmaxRef = 147.09
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

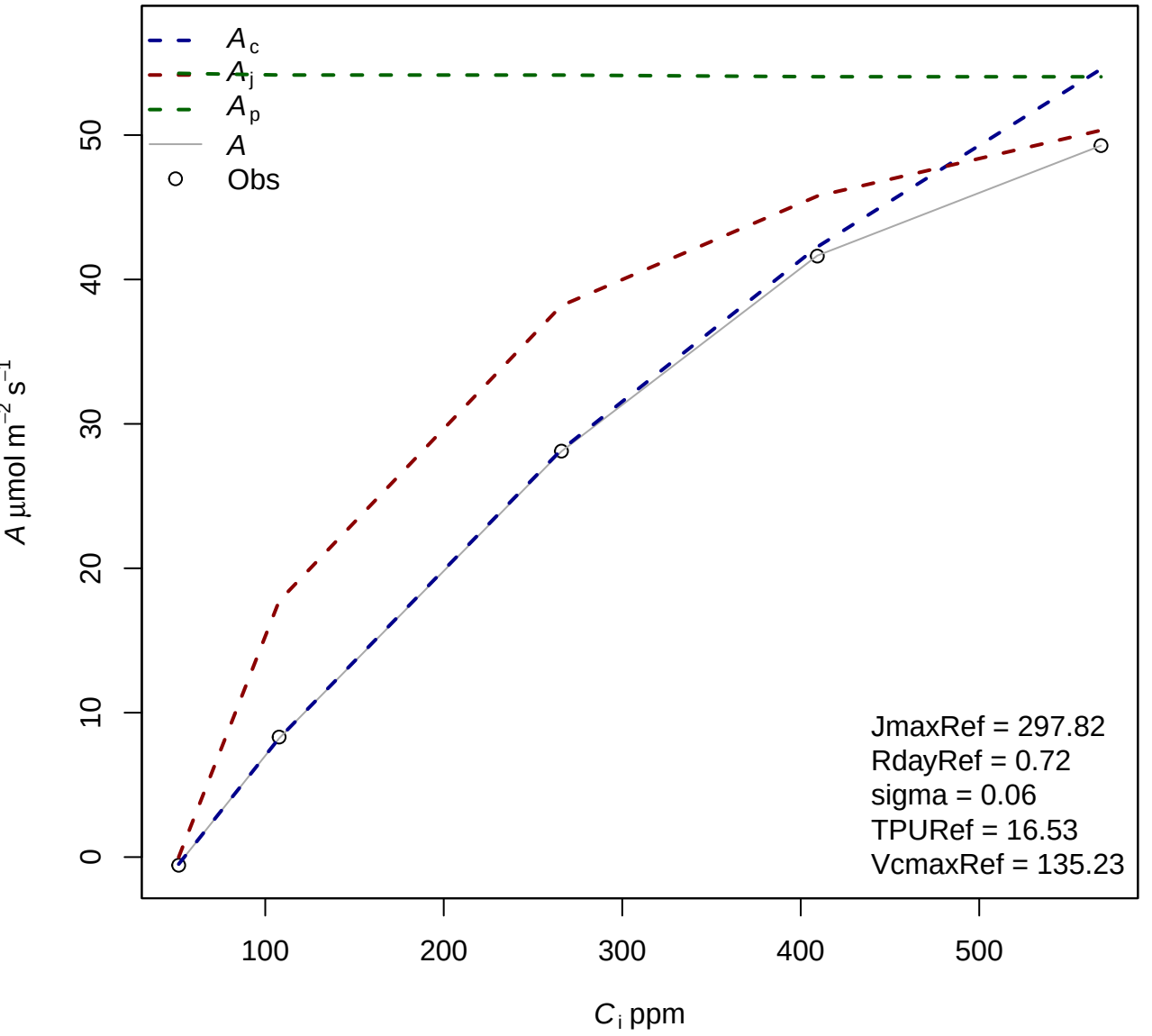

161
A_c
A_j
A_p
A
Obs
JmaxRef = 250.79
RdayRef = 1.23
sigma = 0.68
TPURef = 16.49
VcmaxRef = 123.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

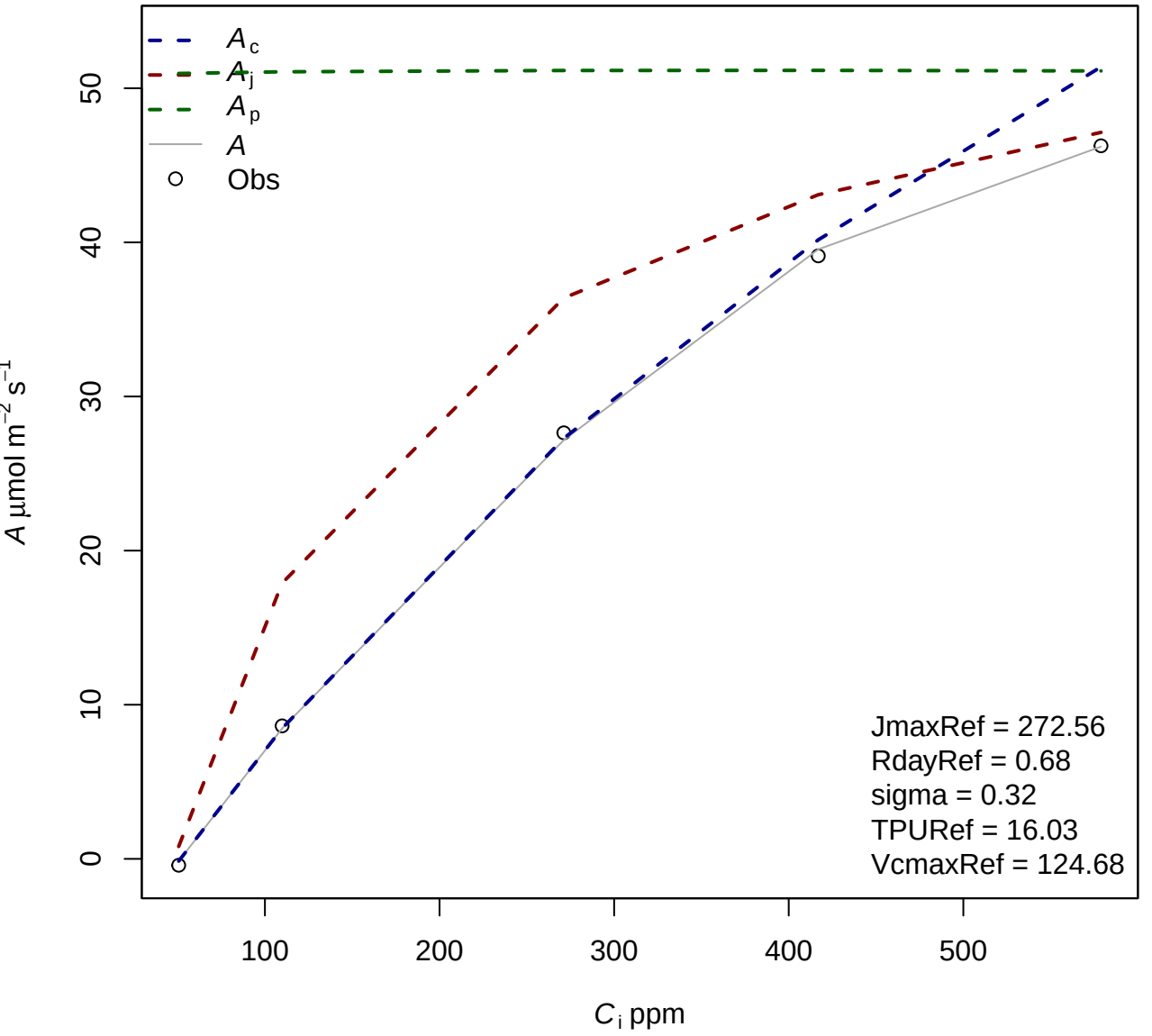

162
A_c
A_j
A_p
A
Obs
JmaxRef = 265.75
RdayRef = 2.05
sigma = 0.25
TPURef = 17.07
VcmaxRef = 132.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

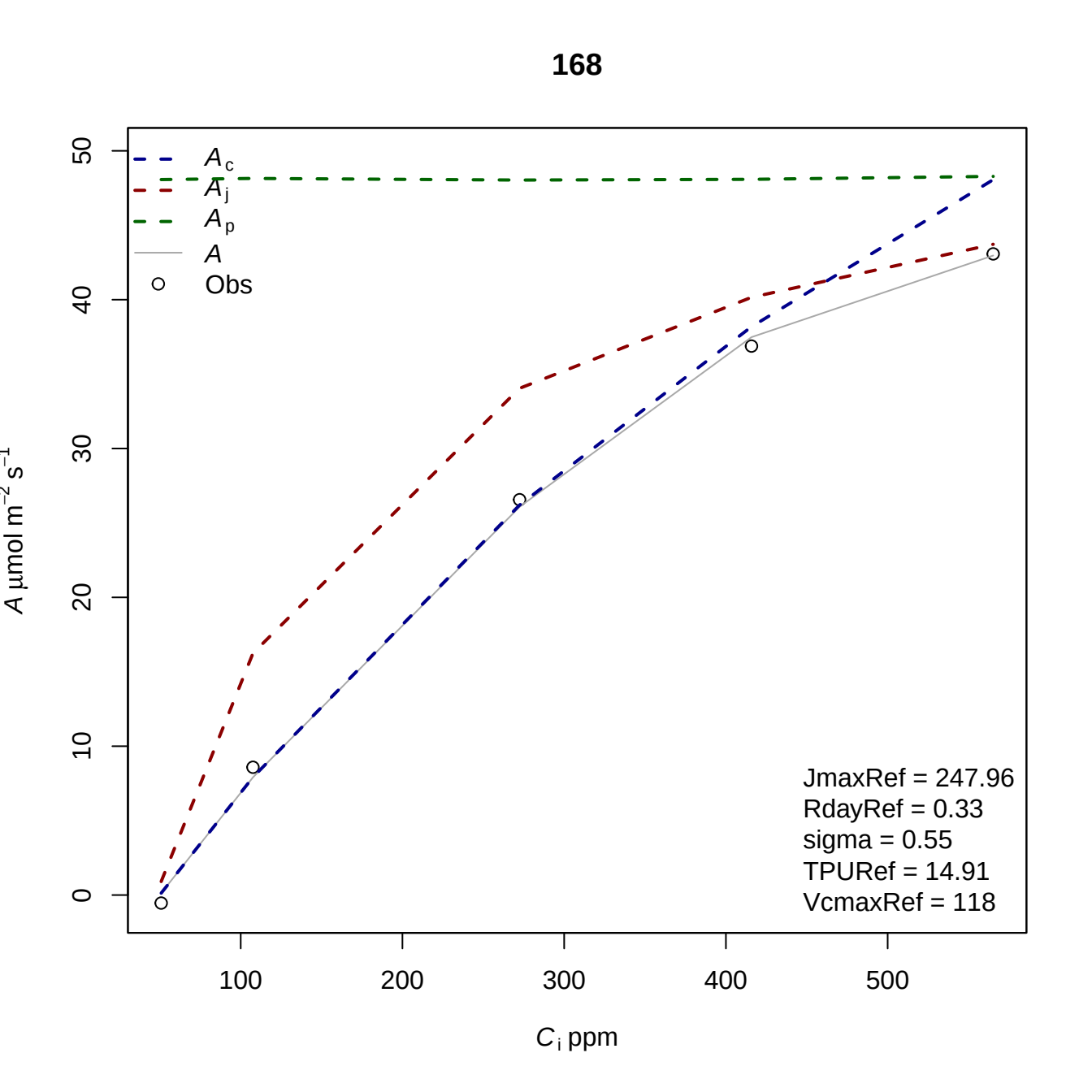

163
A_c
A_j
A_p
A
Obs
JmaxRef = 274.95
RdayRef = 0.73
sigma = 0.36
TPURef = 16.67
VcmaxRef = 129.05
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

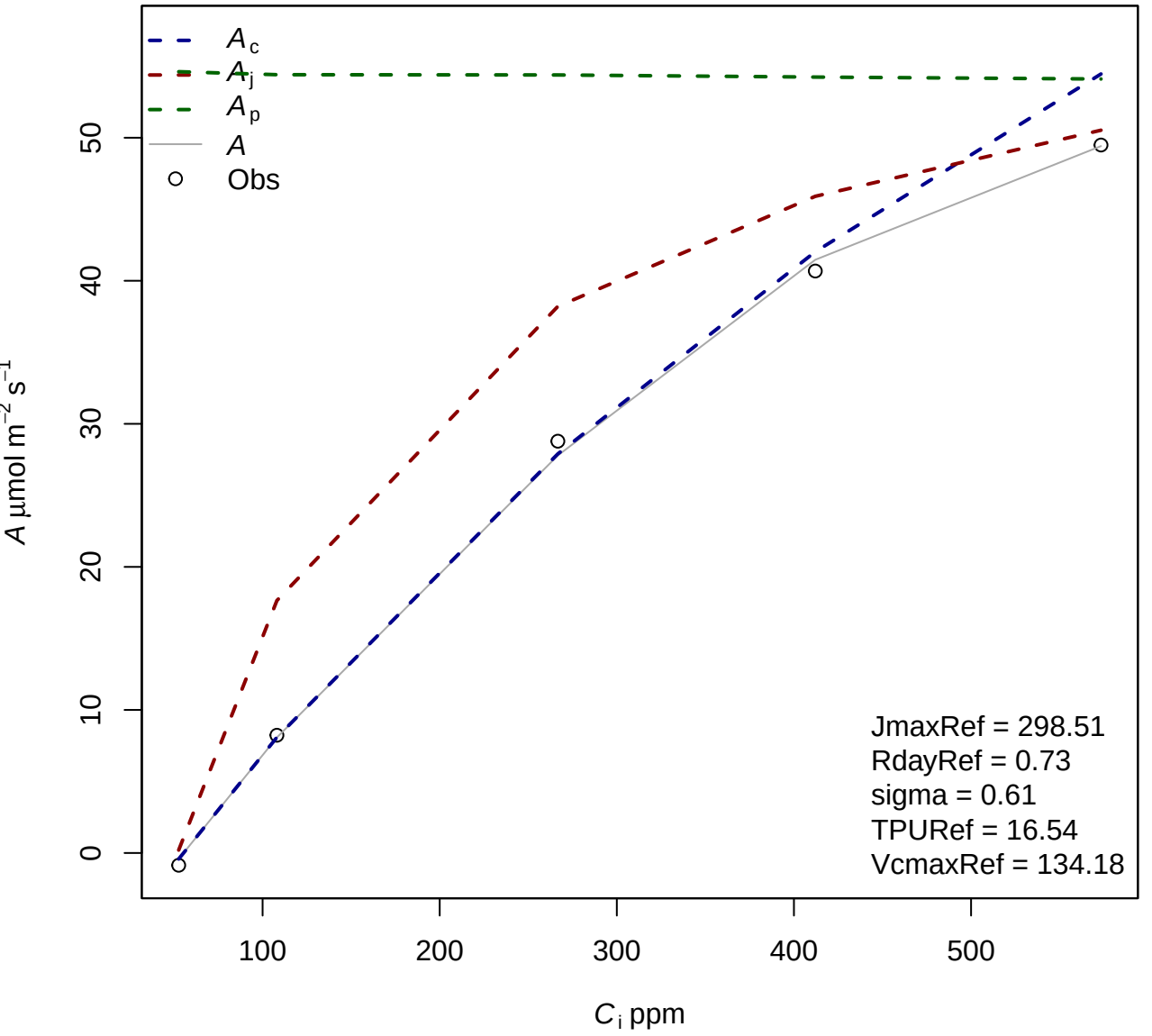

164
A_c
A_j
A_p
A
Obs
JmaxRef = 252.19
RdayRef = 0.6
sigma = 0.36
TPURef = 21.14
VcmaxRef = 126.44
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

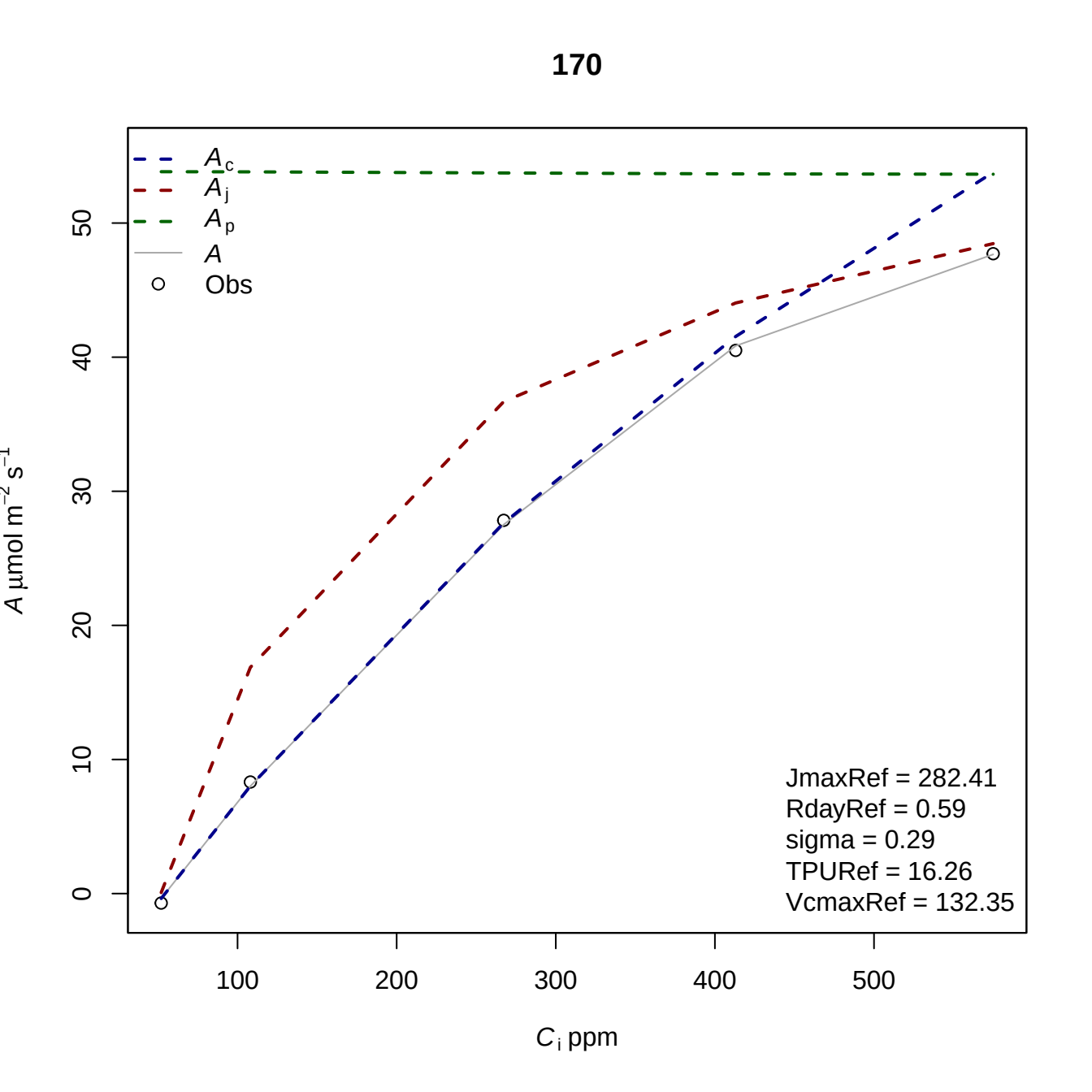

165
A_c
A_j
A_p
A
Obs
JmaxRef = 276.74
RdayRef = −0.02
sigma = 0.77
TPURef = 16.45
VcmaxRef = 126.84
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
600
C_i ppm

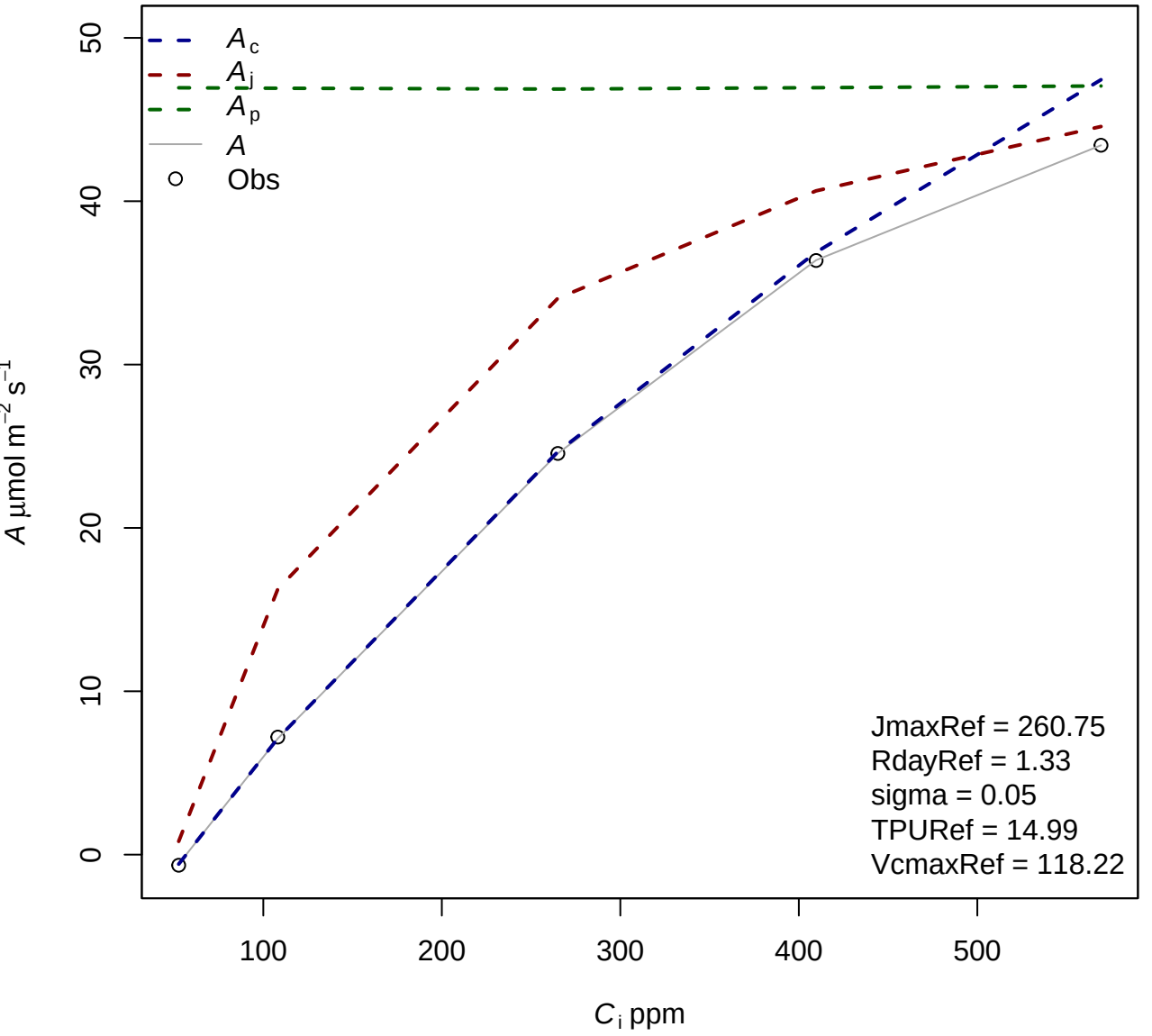

A_c
A_j
A_p
A
Obs
JmaxRef = 297.82
RdayRef = 0.72
sigma = 0.06
TPURef = 16.53
VcmaxRef = 135.23
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

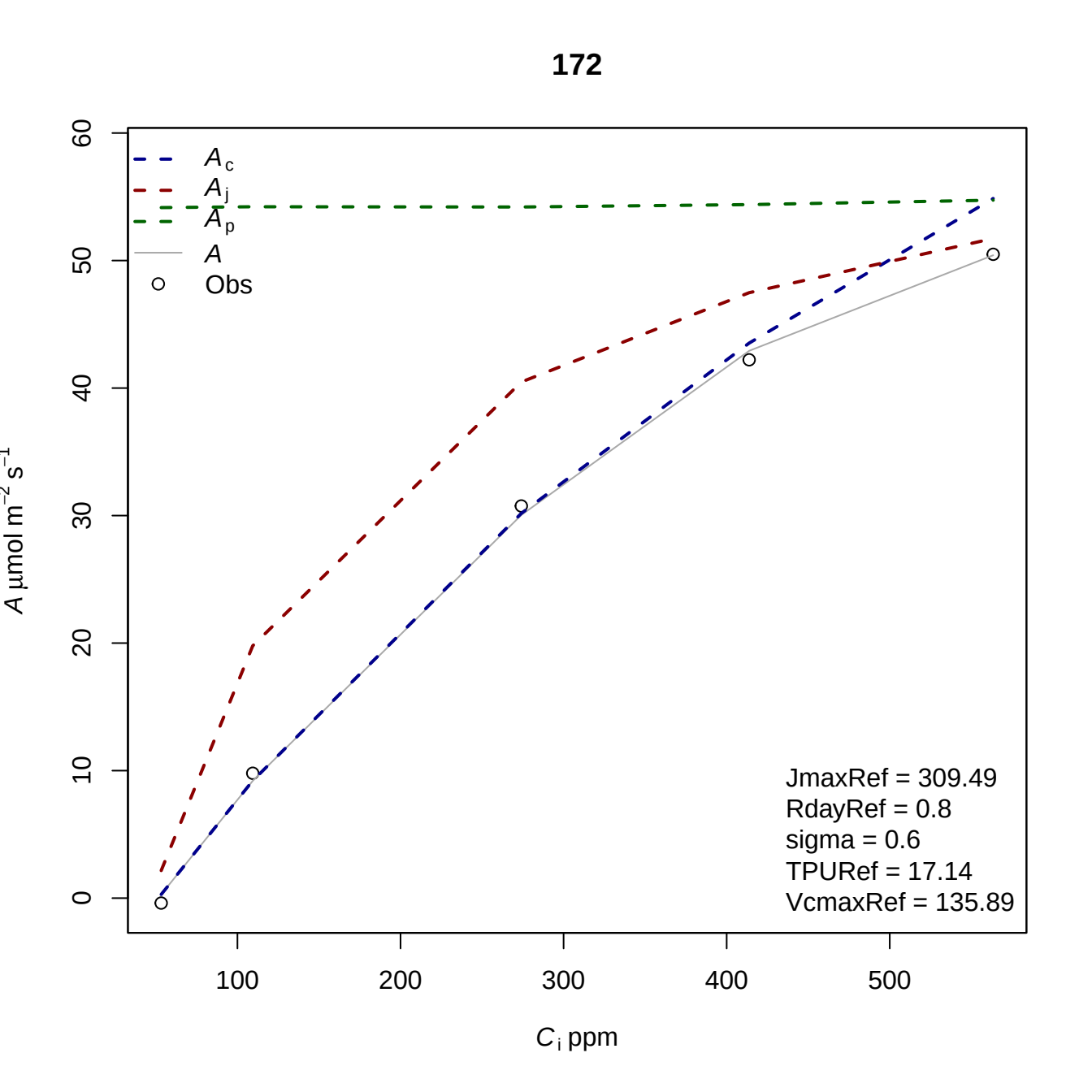

A_c
A_j
A_p
A
Obs
JmaxRef = 272.56
RdayRef = 0.68
sigma = 0.32
TPURef = 16.03
VcmaxRef = 124.68
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

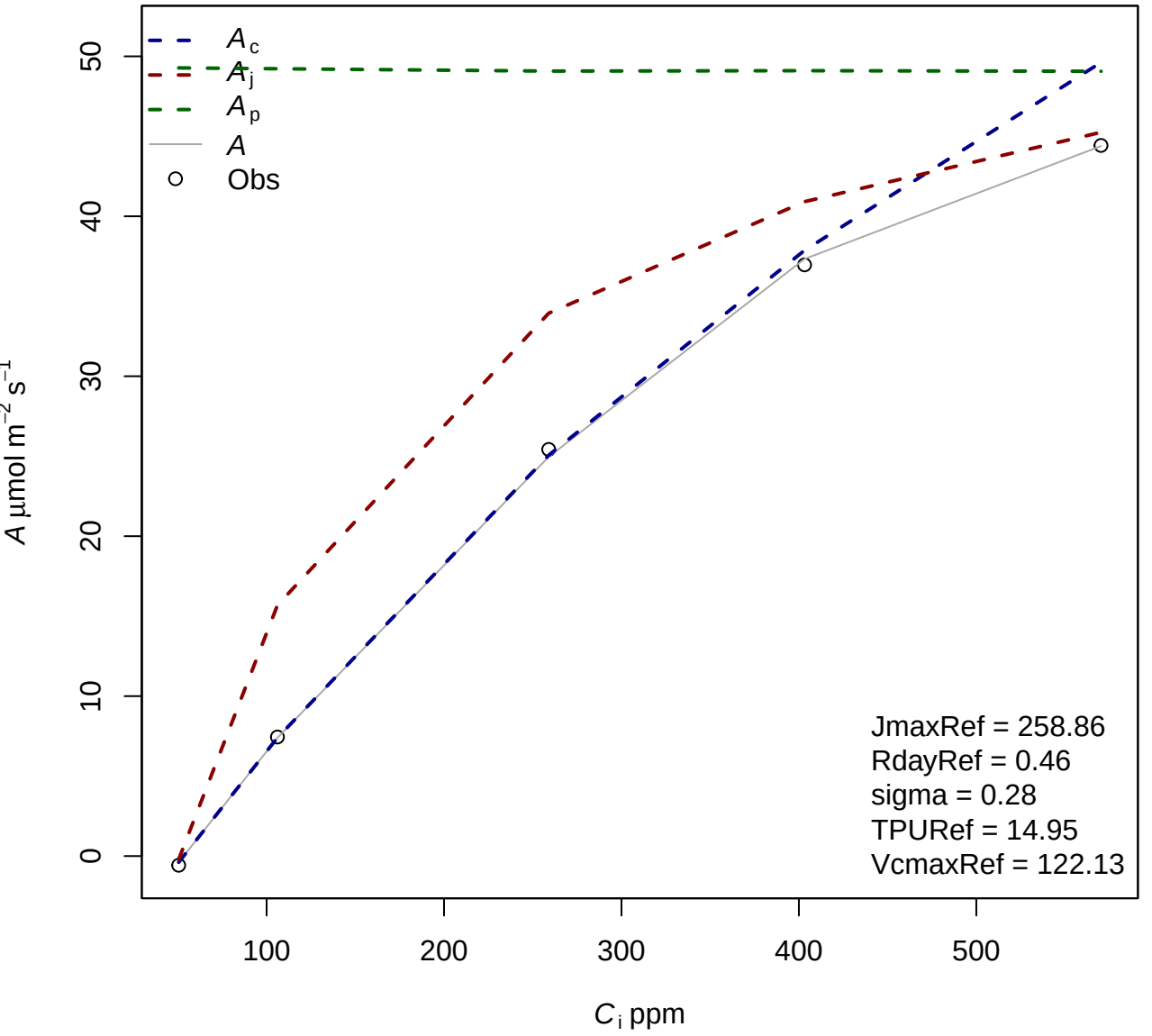

168
A_c
A_j
A_p
A
Obs
JmaxRef = 247.96
RdayRef = 0.33
sigma = 0.55
TPURef = 14.91
VcmaxRef = 118
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

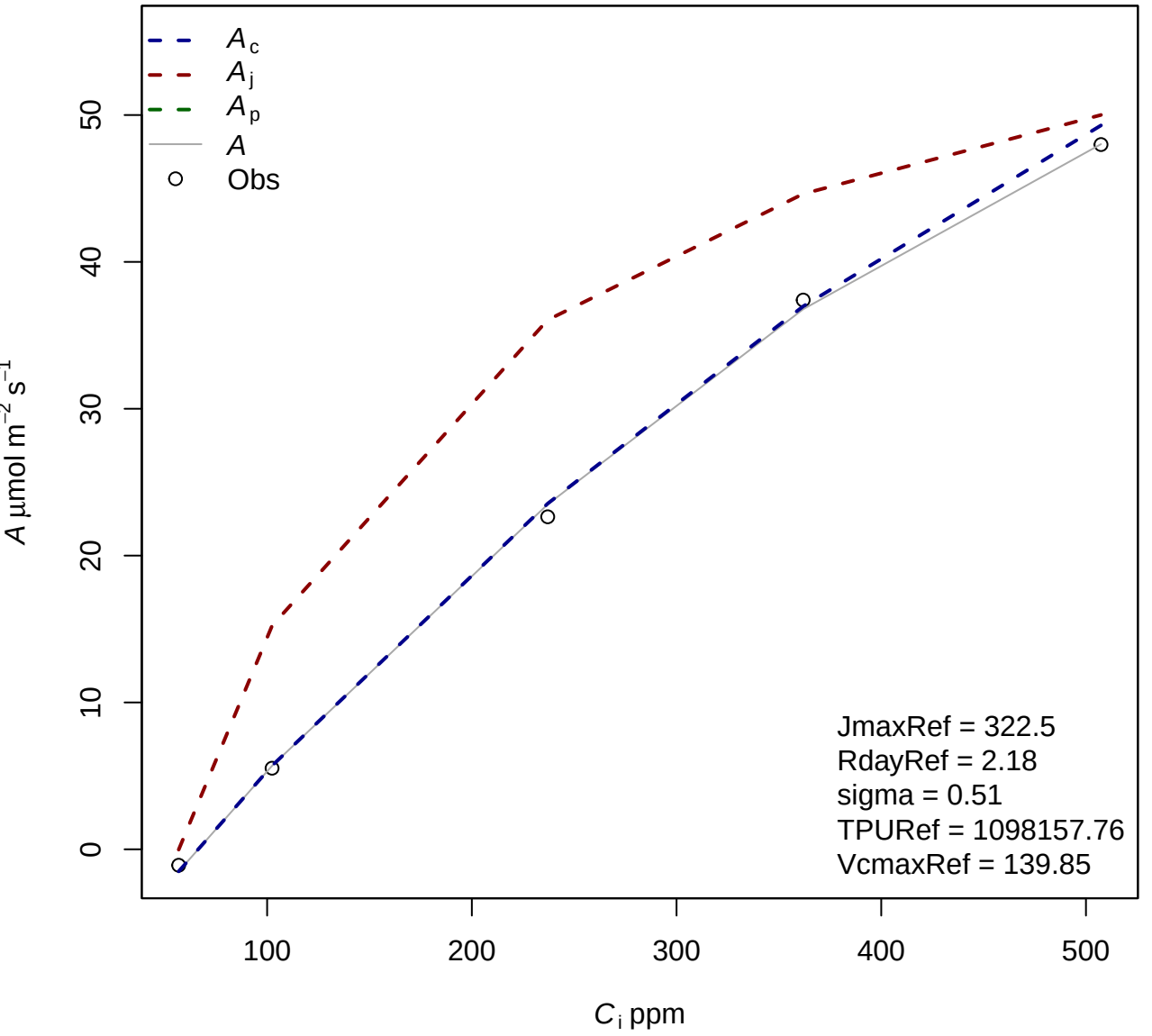

A_c
A_j
A_p
A
Obs
JmaxRef = 298.51
RdayRef = 0.73
sigma = 0.61
TPURef = 16.54
VcmaxRef = 134.18
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

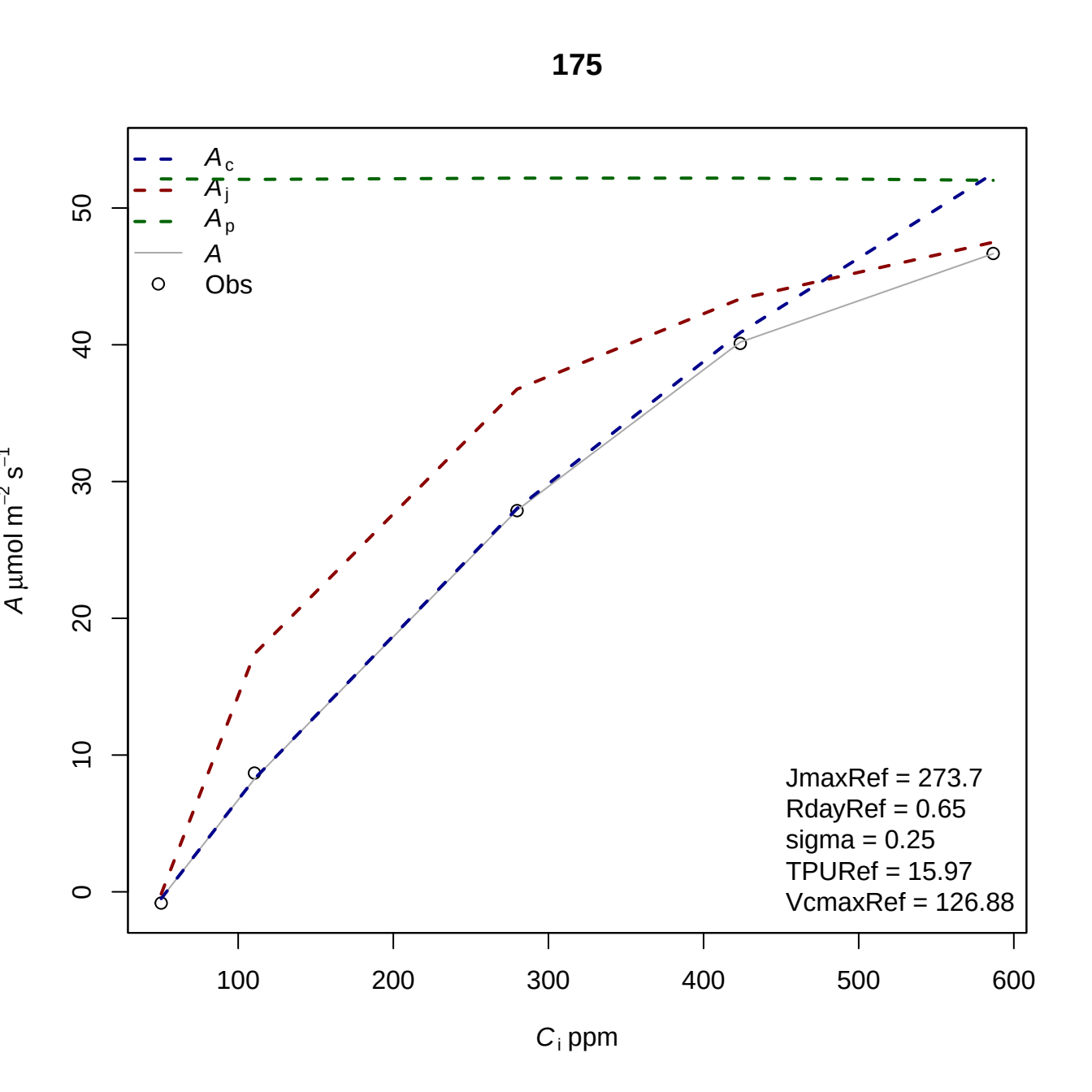

170
A_c
A_j
A_p
A
Obs
JmaxRef = 282.41
RdayRef = 0.59
sigma = 0.29
TPURef = 16.26
VcmaxRef = 132.35
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

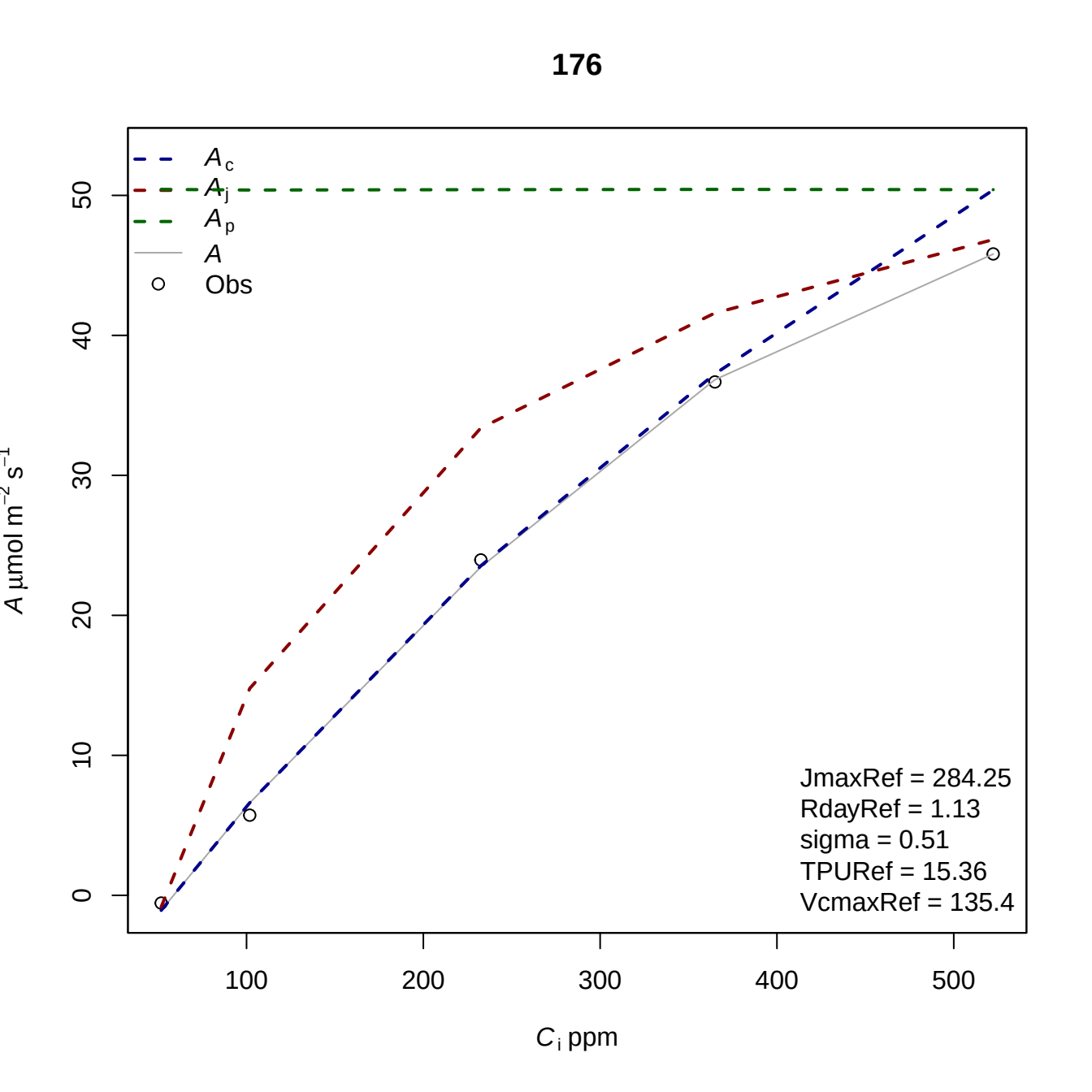

A_c
A_j
A_p
A
Obs
JmaxRef = 260.75
RdayRef = 1.33
sigma = 0.05
TPURef = 14.99
VcmaxRef = 118.22
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

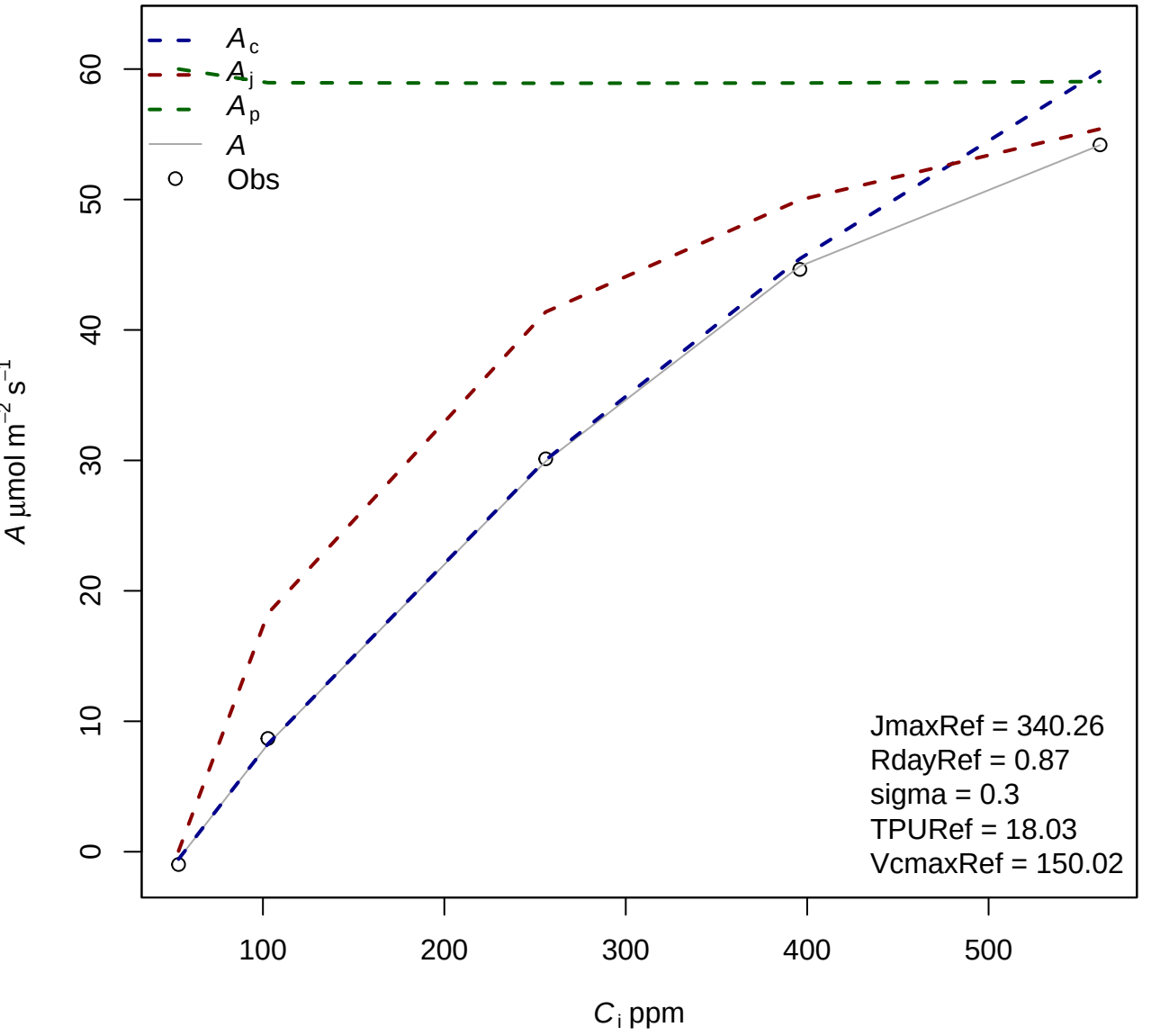

172
A_c
A_j
A_p
A
Obs
JmaxRef = 309.49
RdayRef = 0.8
sigma = 0.6
TPURef = 17.14
VcmaxRef = 135.89
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

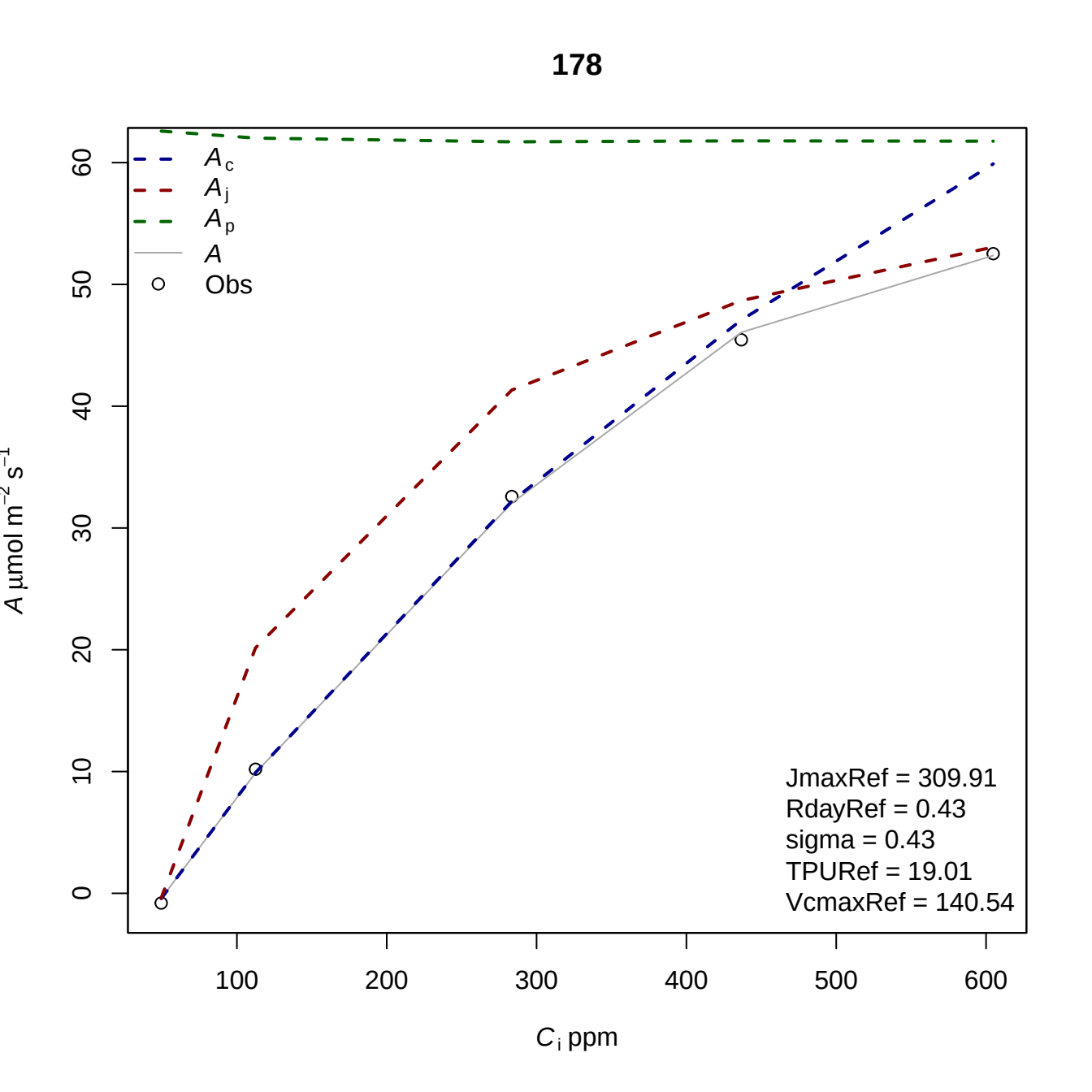

A_c
A_j
A_p
A
Obs
JmaxRef = 258.86
RdayRef = 0.46
sigma = 0.28
TPURef = 14.95
VcmaxRef = 122.13
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

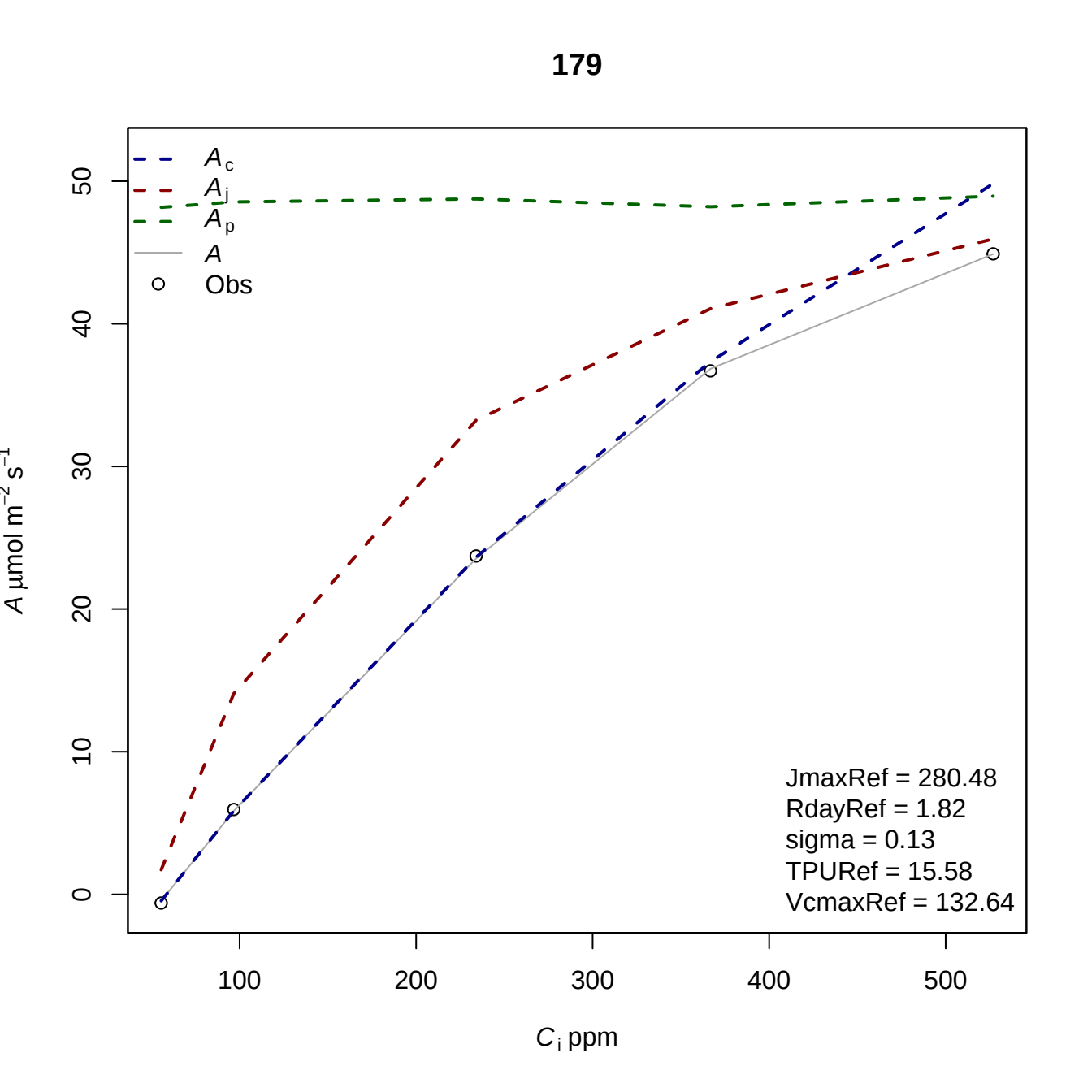

A_c
A_j
A_p
A
Obs
JmaxRef = 322.5
RdayRef = 2.18
sigma = 0.51
TPURef = 1098157.76
VcmaxRef = 139.85
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

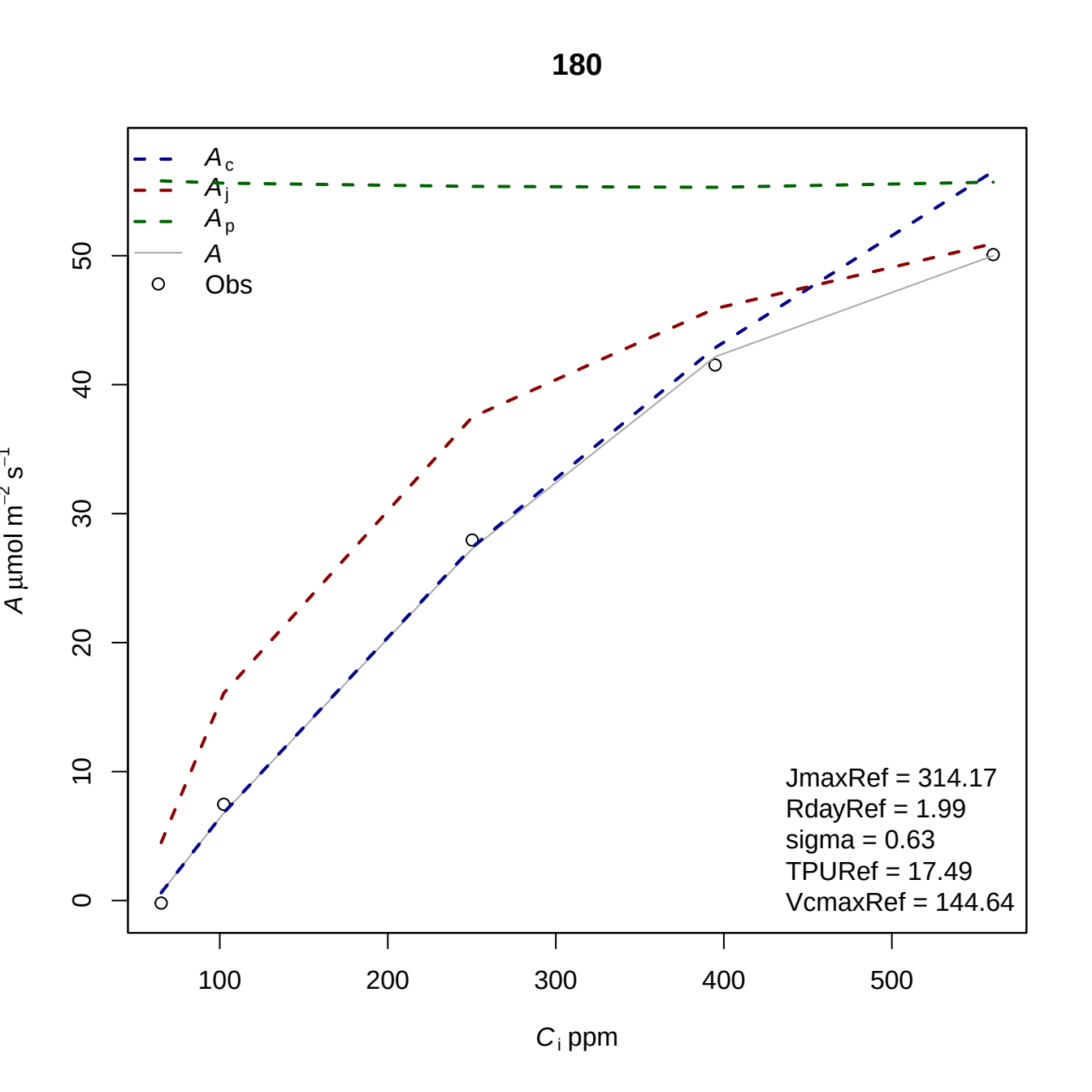

175
A_c
A_j
A_p
A
Obs
JmaxRef = 273.7
RdayRef = 0.65
sigma = 0.25
TPURef = 15.97
VcmaxRef = 126.88
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

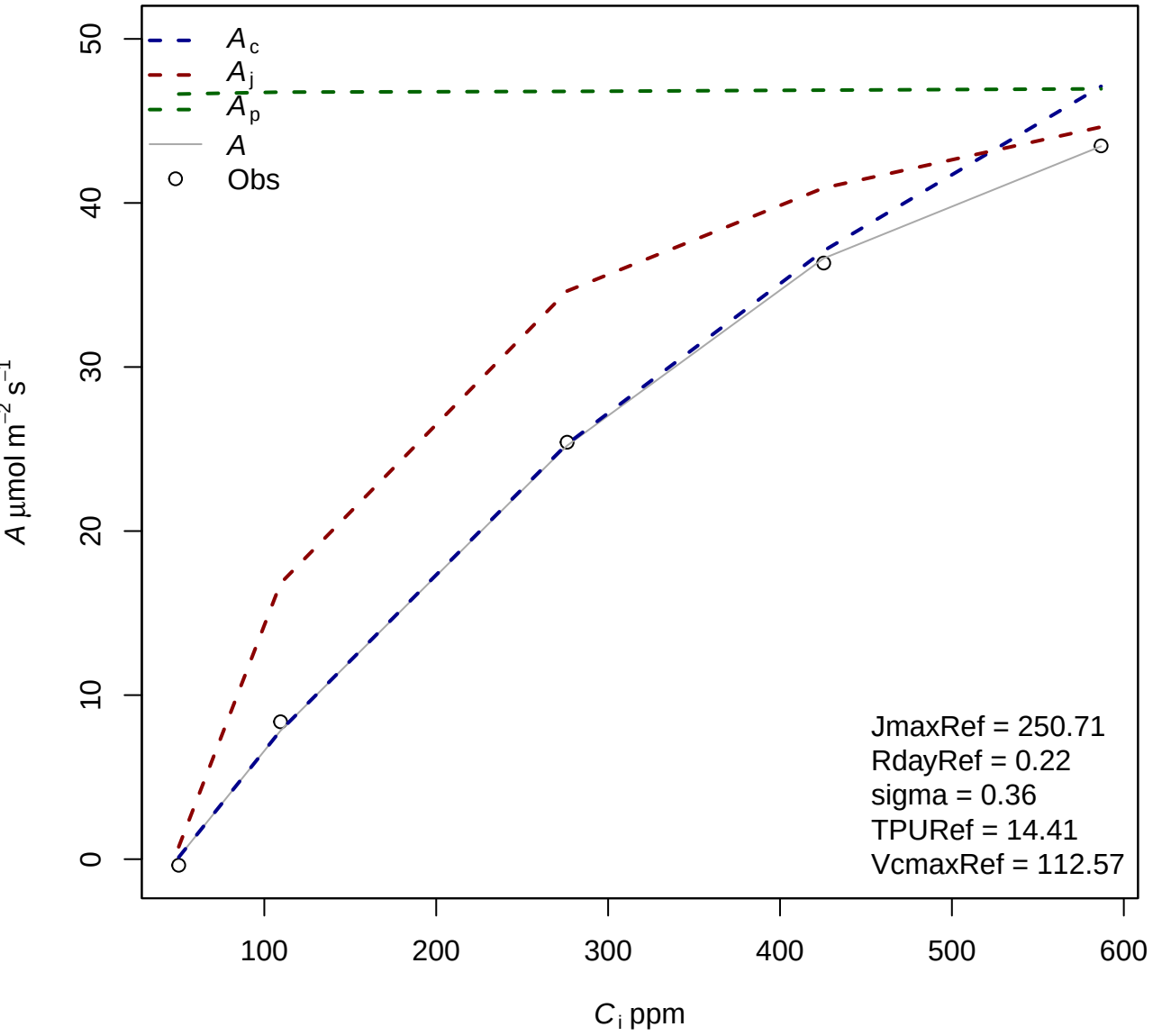

176
A_c
A_j
A_p
A
Obs
JmaxRef = 284.25
RdayRef = 1.13
sigma = 0.51
TPURef = 15.36
VcmaxRef = 135.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

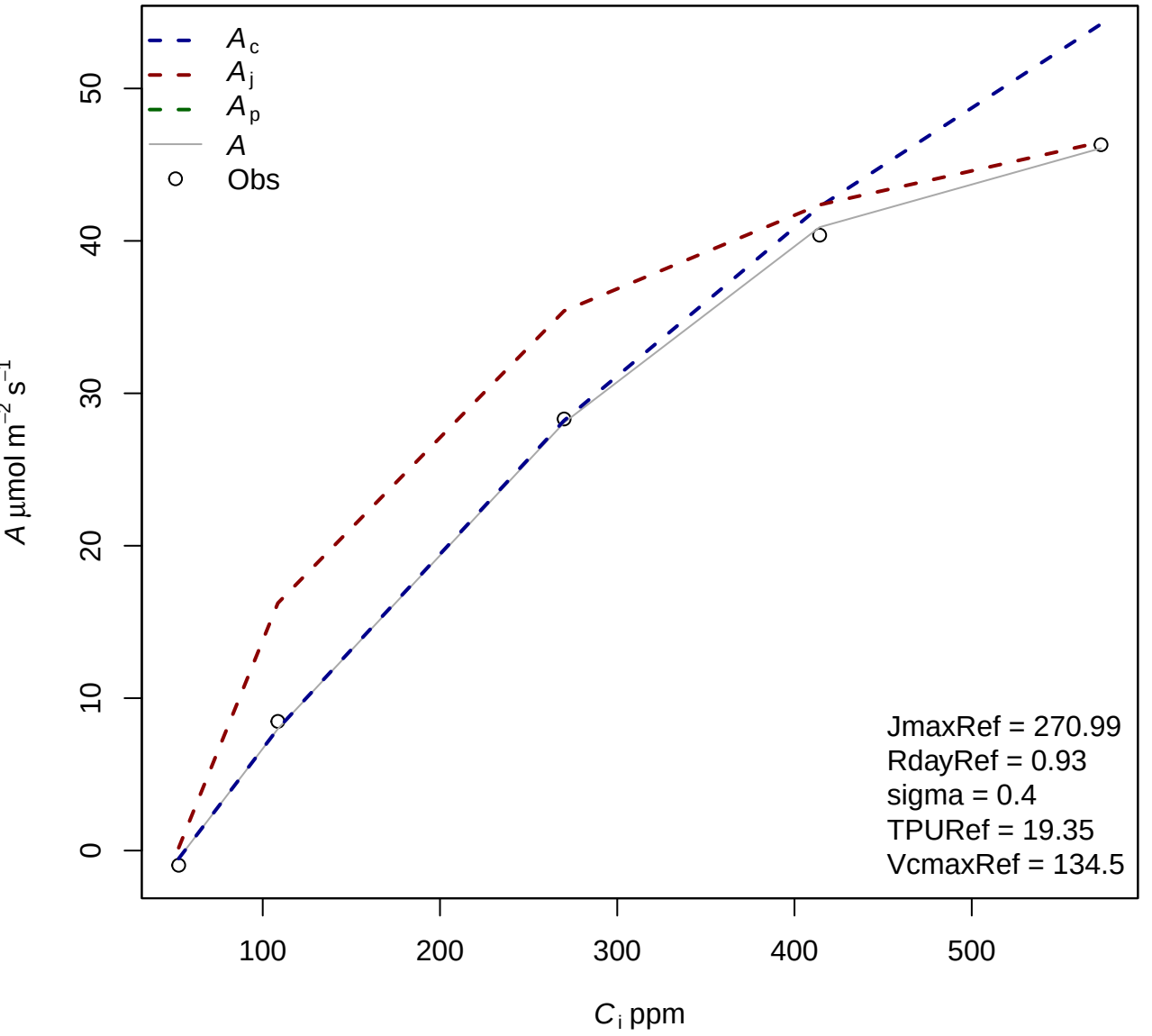

A_c
A_j
A_p
A
Obs
JmaxRef = 340.26
RdayRef = 0.87
sigma = 0.3
TPURef = 18.03
VcmaxRef = 150.02
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
60
100
200
300
400
500
C_i ppm

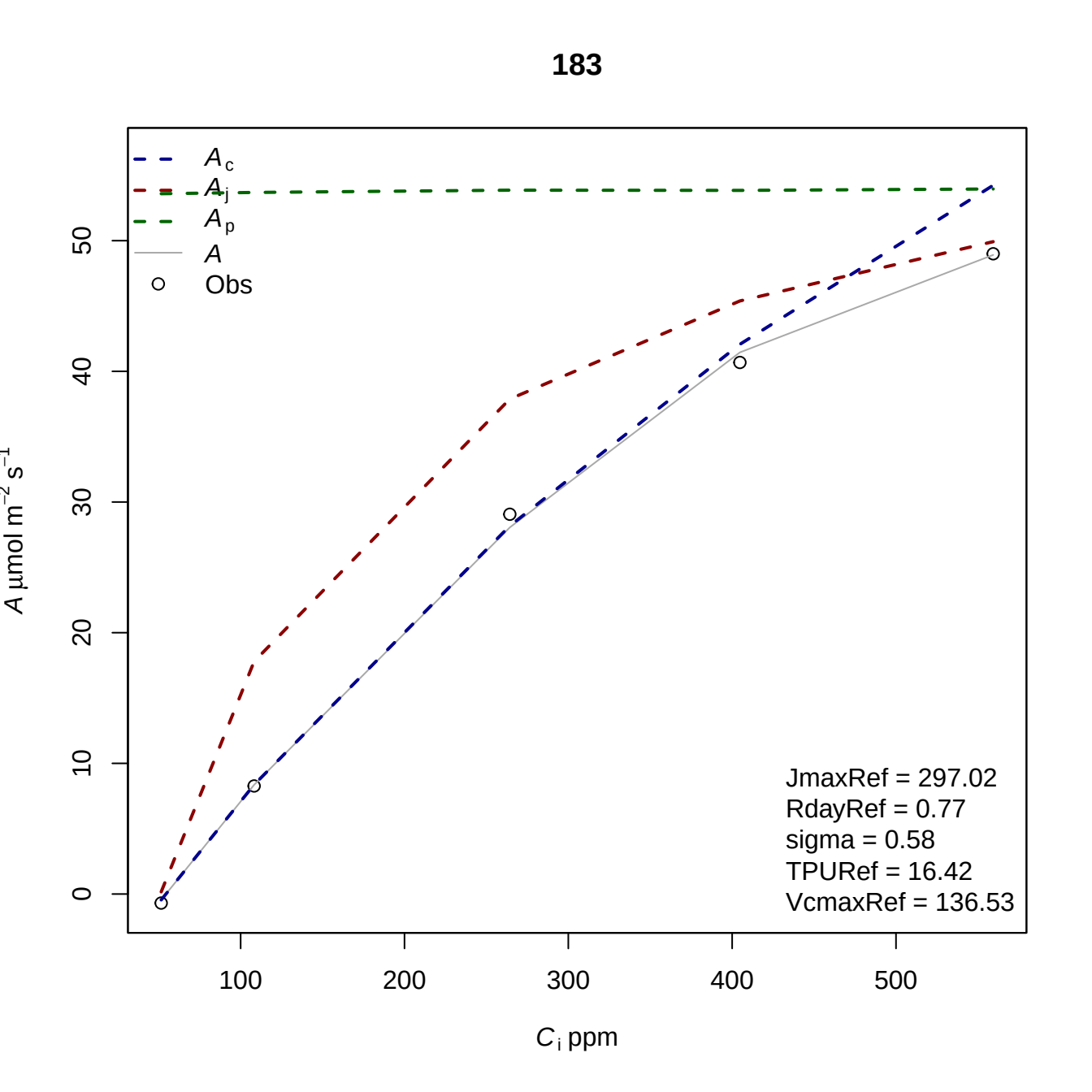

178
A_c
A_j
A_p
A
Obs
JmaxRef = 309.91
RdayRef = 0.43
sigma = 0.43
TPURef = 19.01
VcmaxRef = 140.54
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

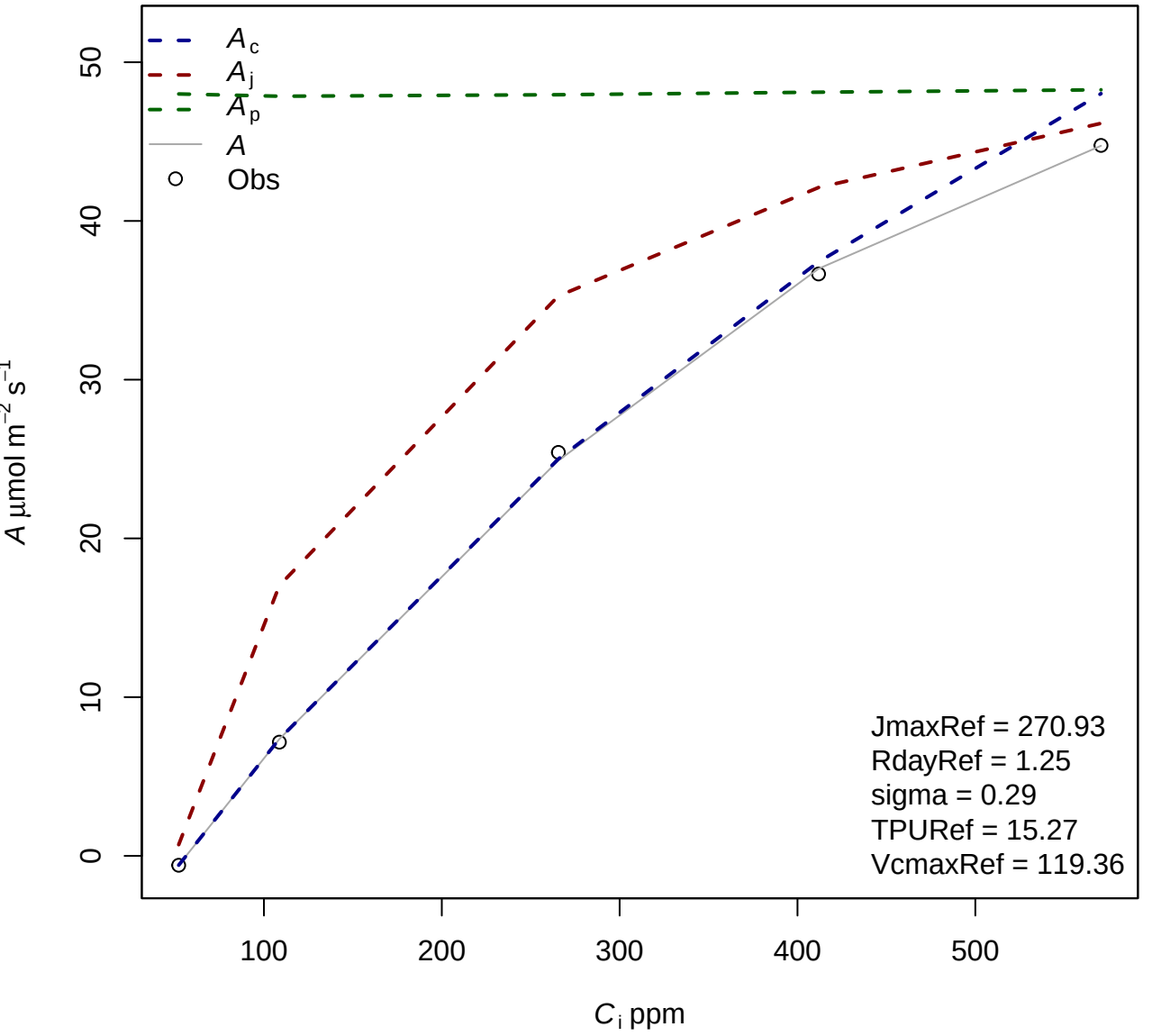

179
A_c
A_j
A_p
A
Obs
JmaxRef = 280.48
RdayRef = 1.82
sigma = 0.13
TPURef = 15.58
VcmaxRef = 132.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

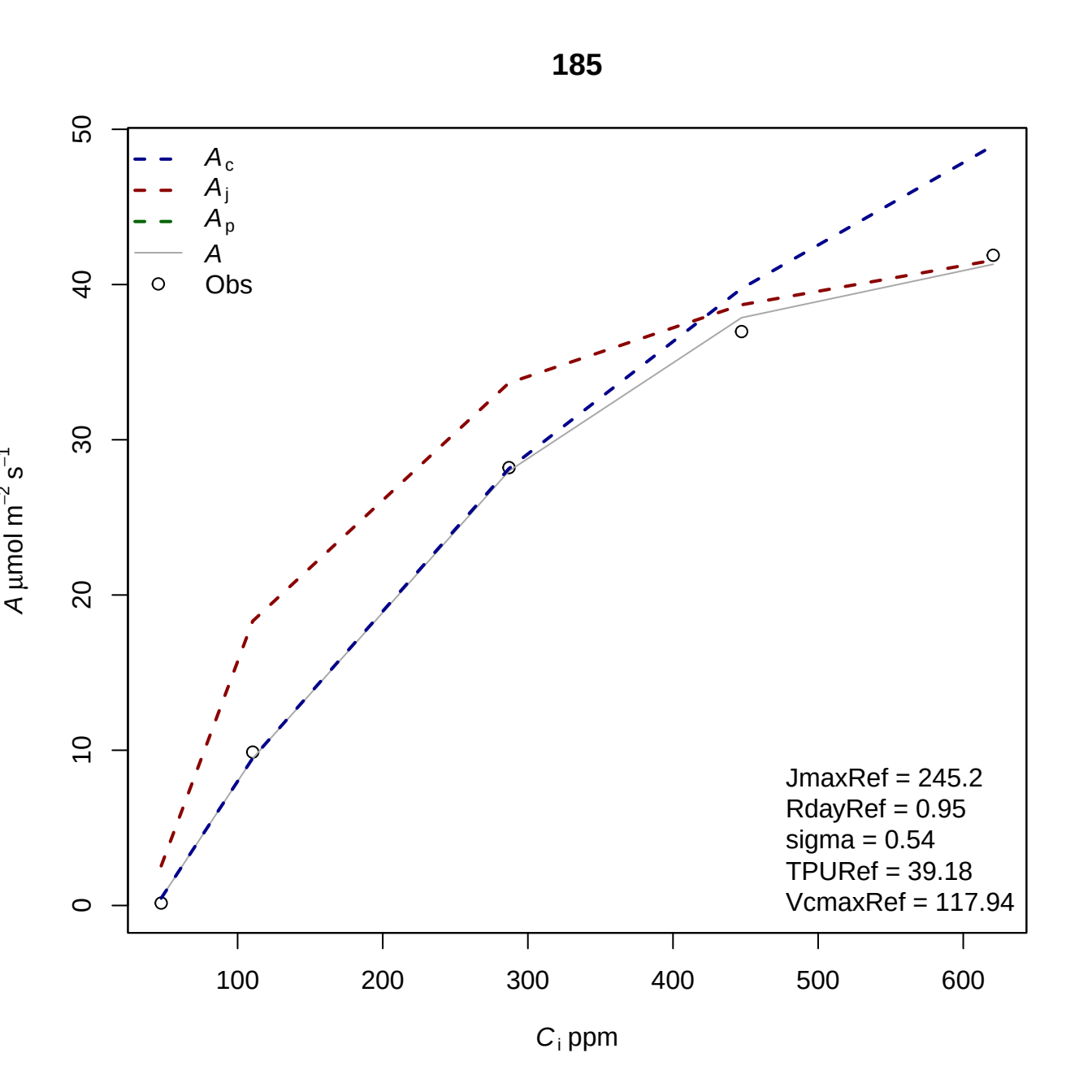

180
A_c
A_j
A_p
A
Obs
JmaxRef = 314.17
RdayRef = 1.99
sigma = 0.63
TPURef = 17.49
VcmaxRef = 144.64
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

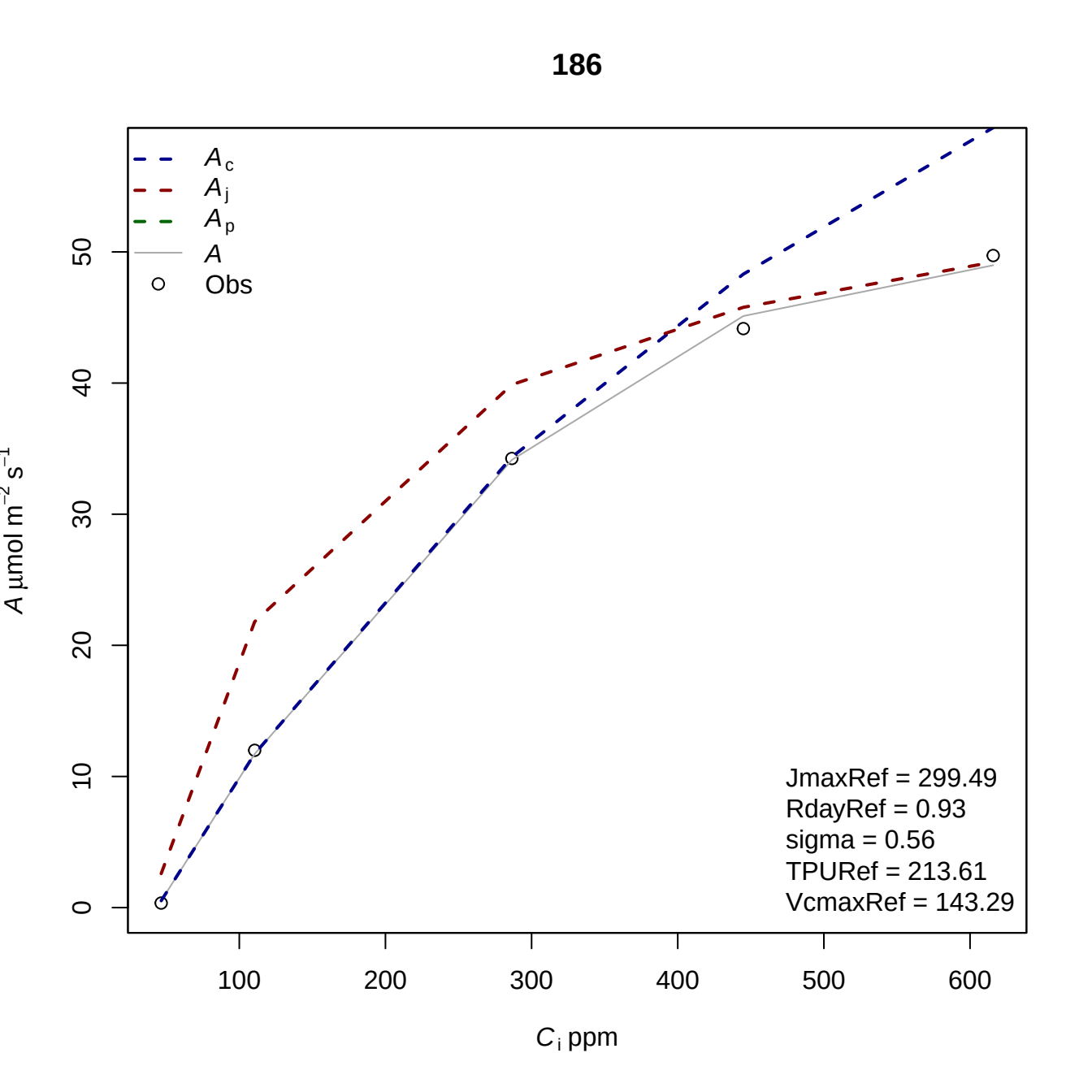

A_c
A_j
A_p
A
Obs
JmaxRef = 250.71
RdayRef = 0.22
sigma = 0.36
TPURef = 14.41
VcmaxRef = 112.57
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600


A_c
A_j
A_p
A
Obs
JmaxRef = 270.99
RdayRef = 0.93
sigma = 0.4
TPURef = 19.35
VcmaxRef = 134.5
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

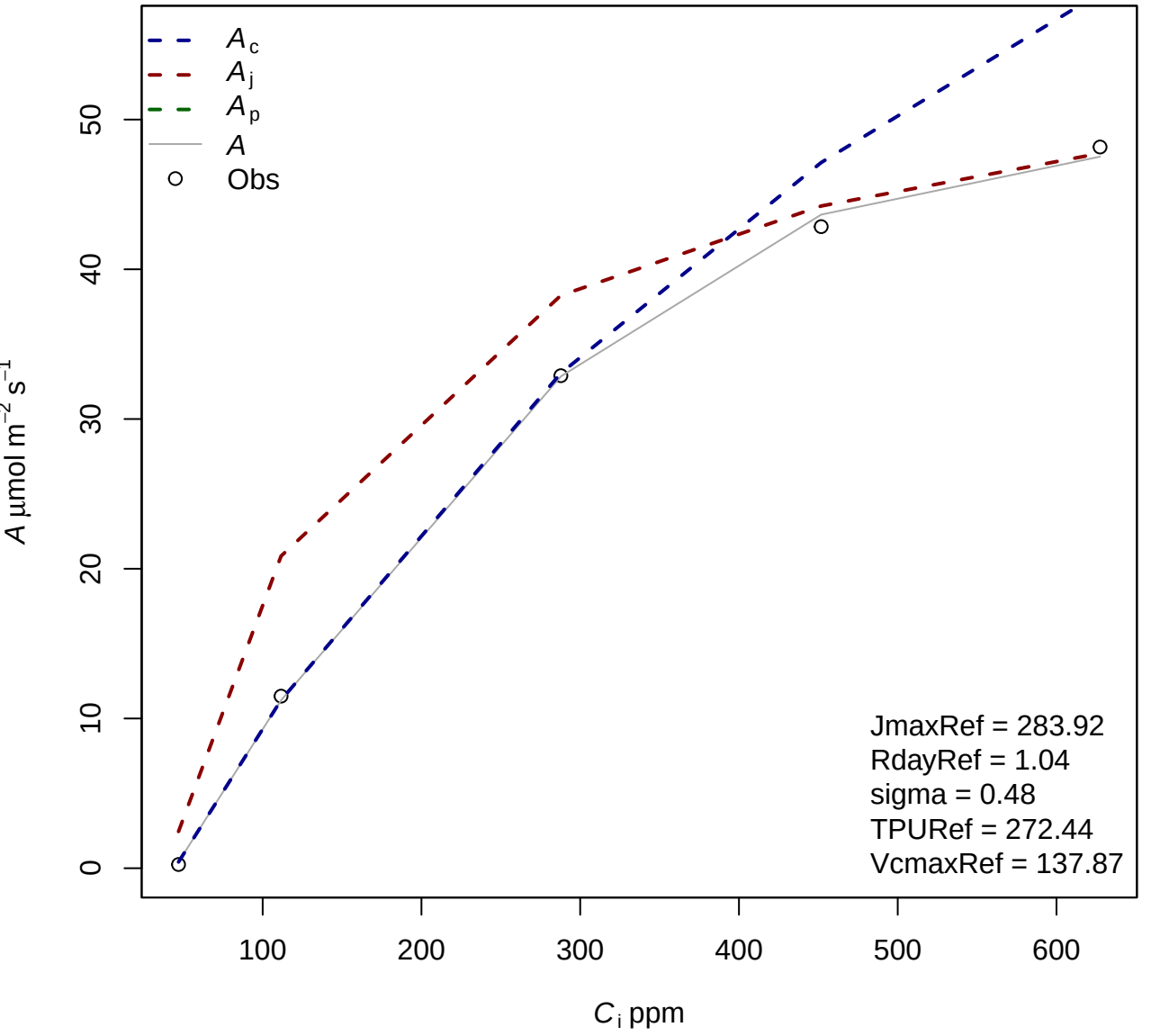

183
A_c
A_j
A_p
A
Obs
JmaxRef = 297.02
RdayRef = 0.77
sigma = 0.58
TPURef = 16.42
VcmaxRef = 136.53
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

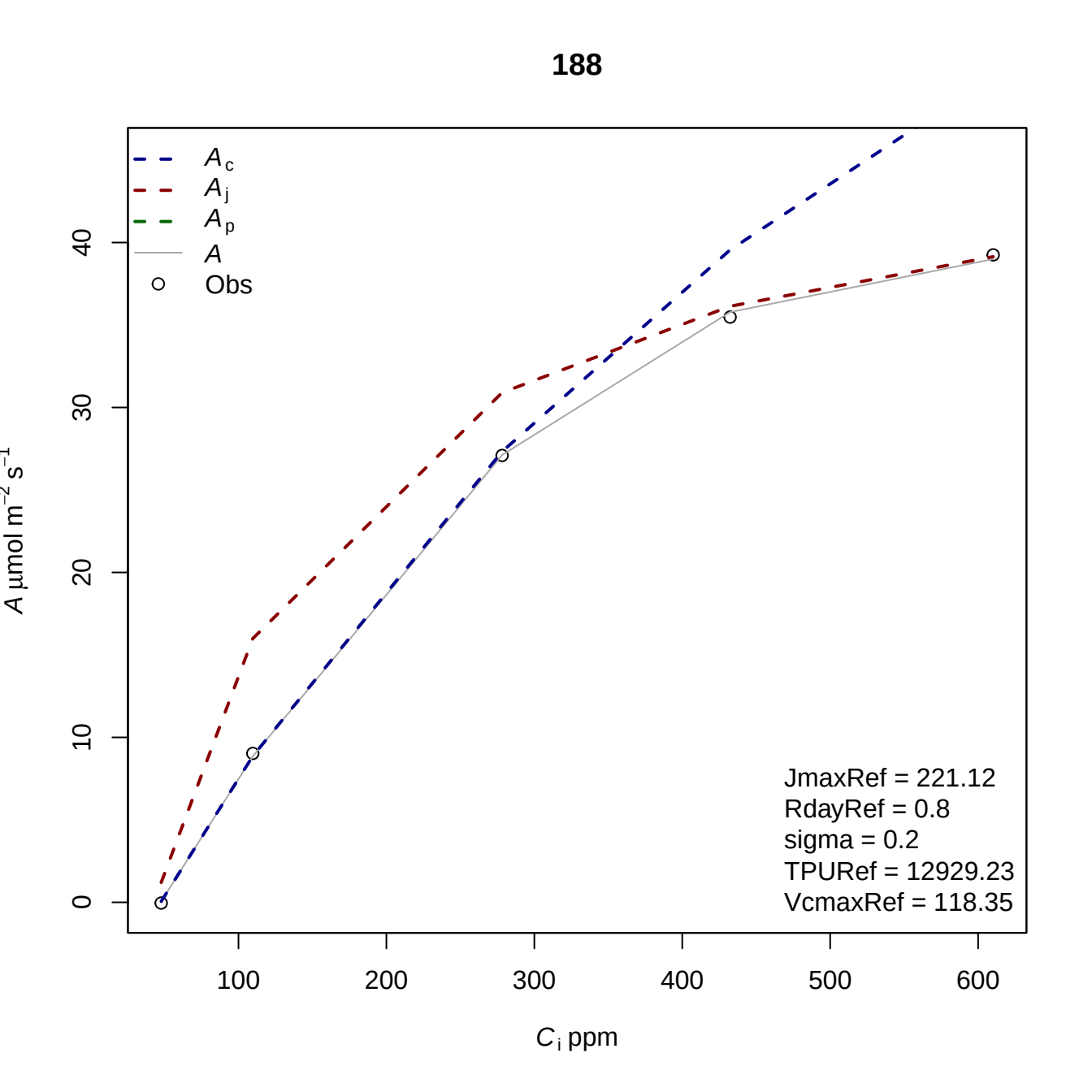

A_c
A_j
A_p
A
Obs
JmaxRef = 270.93
RdayRef = 1.25
sigma = 0.29
TPURef = 15.27
VcmaxRef = 119.36
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

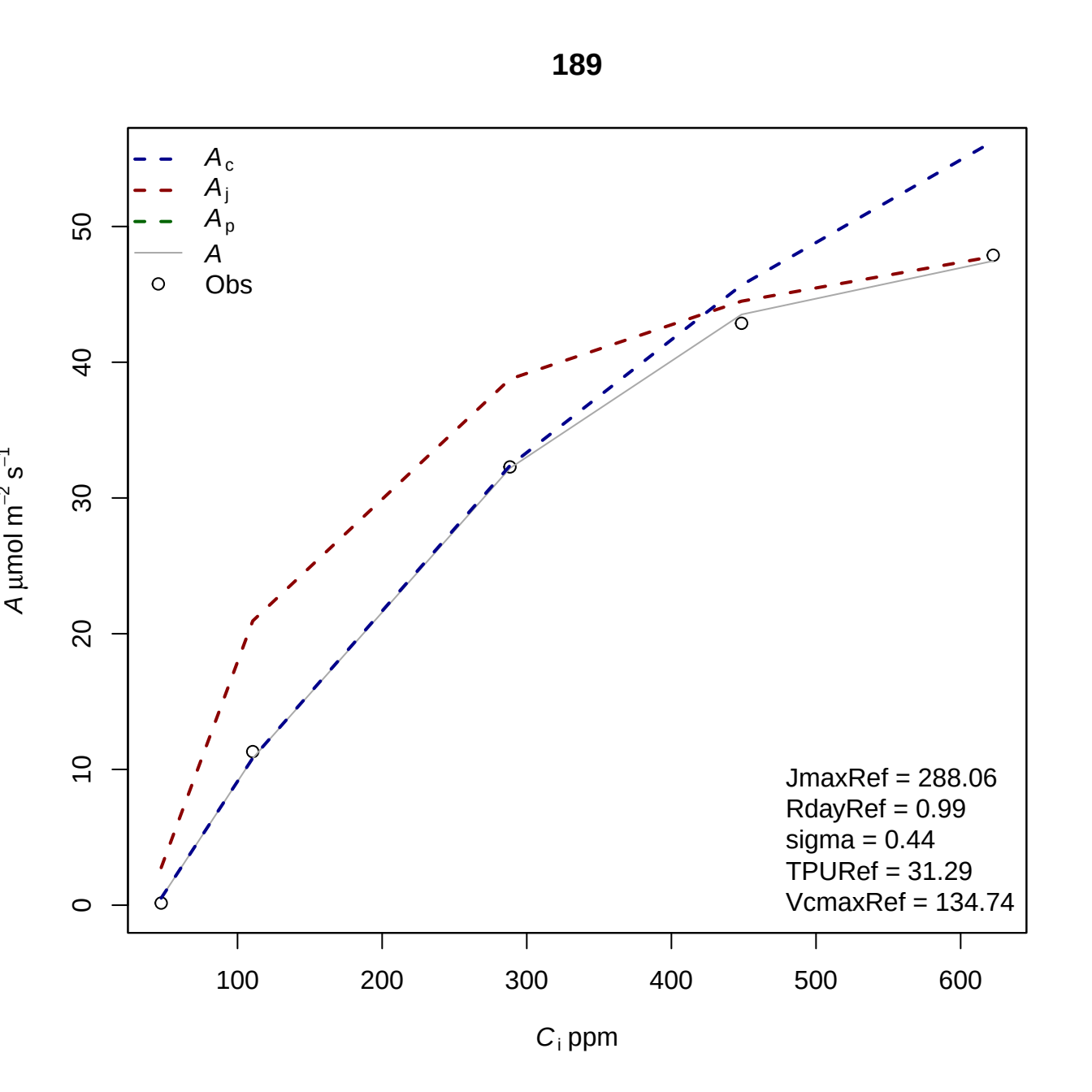

185
A_c
A_j
A_p
A
Obs
JmaxRef = 245.2
RdayRef = 0.95
sigma = 0.54
TPURef = 39.18
VcmaxRef = 117.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600



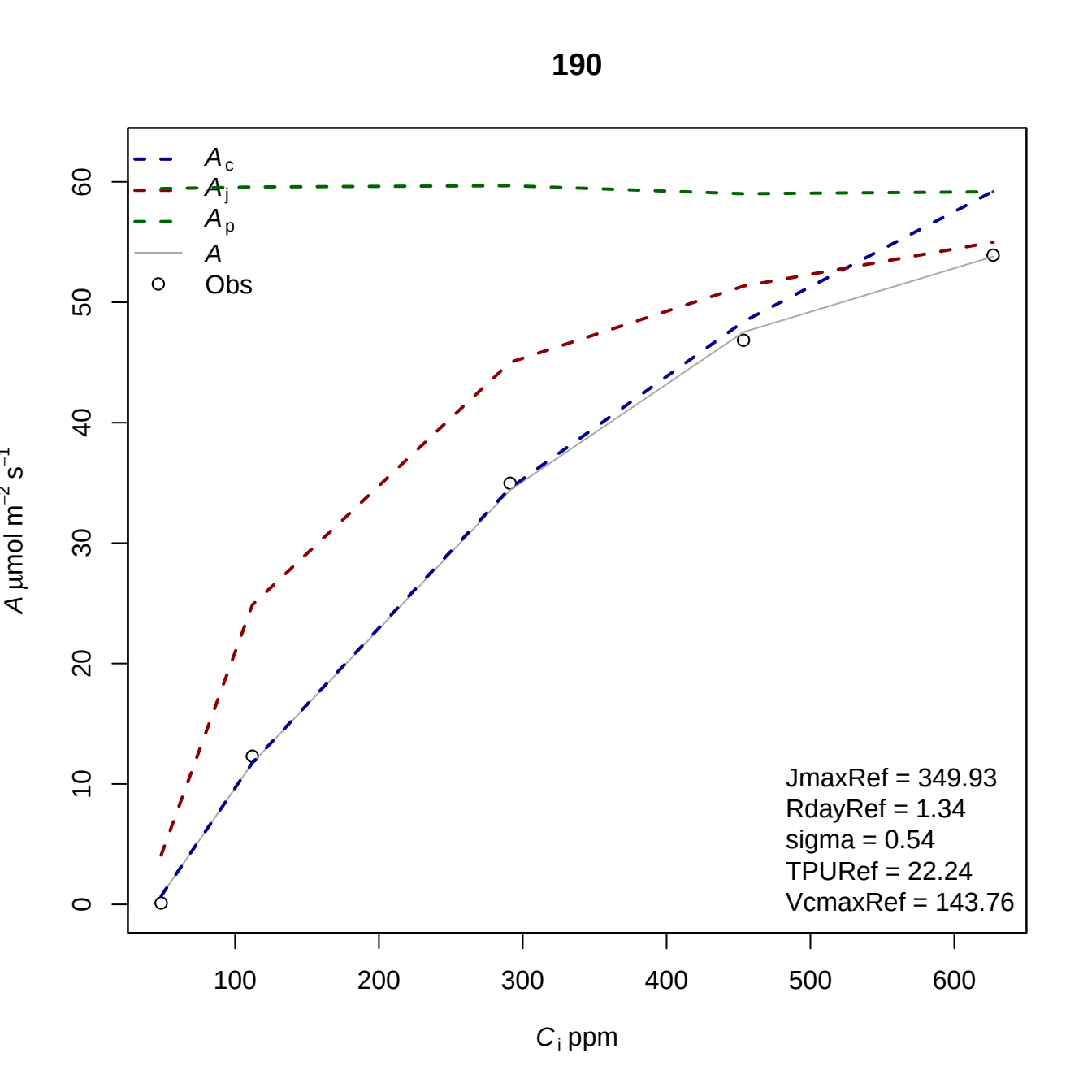
186
A_c
A_j
A_p
A
Obs
JmaxRef = 299.49
RdayRef = 0.93
sigma = 0.56
TPURef = 213.61
VcmaxRef = 143.29
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

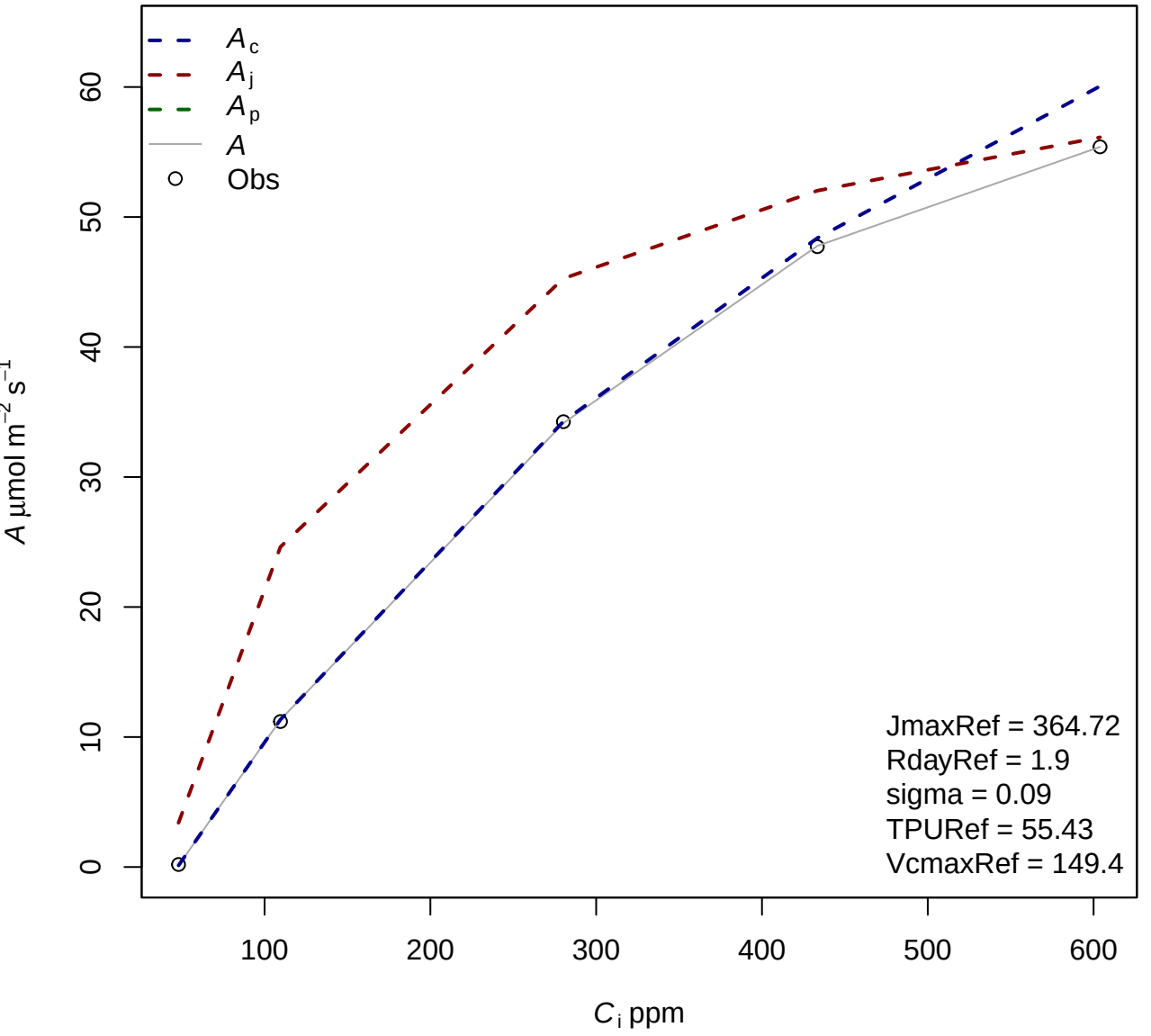

A_c
A_j
A_p
A
Obs
JmaxRef = 283.92
RdayRef = 1.04
sigma = 0.48
TPURef = 272.44
VcmaxRef = 137.87
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

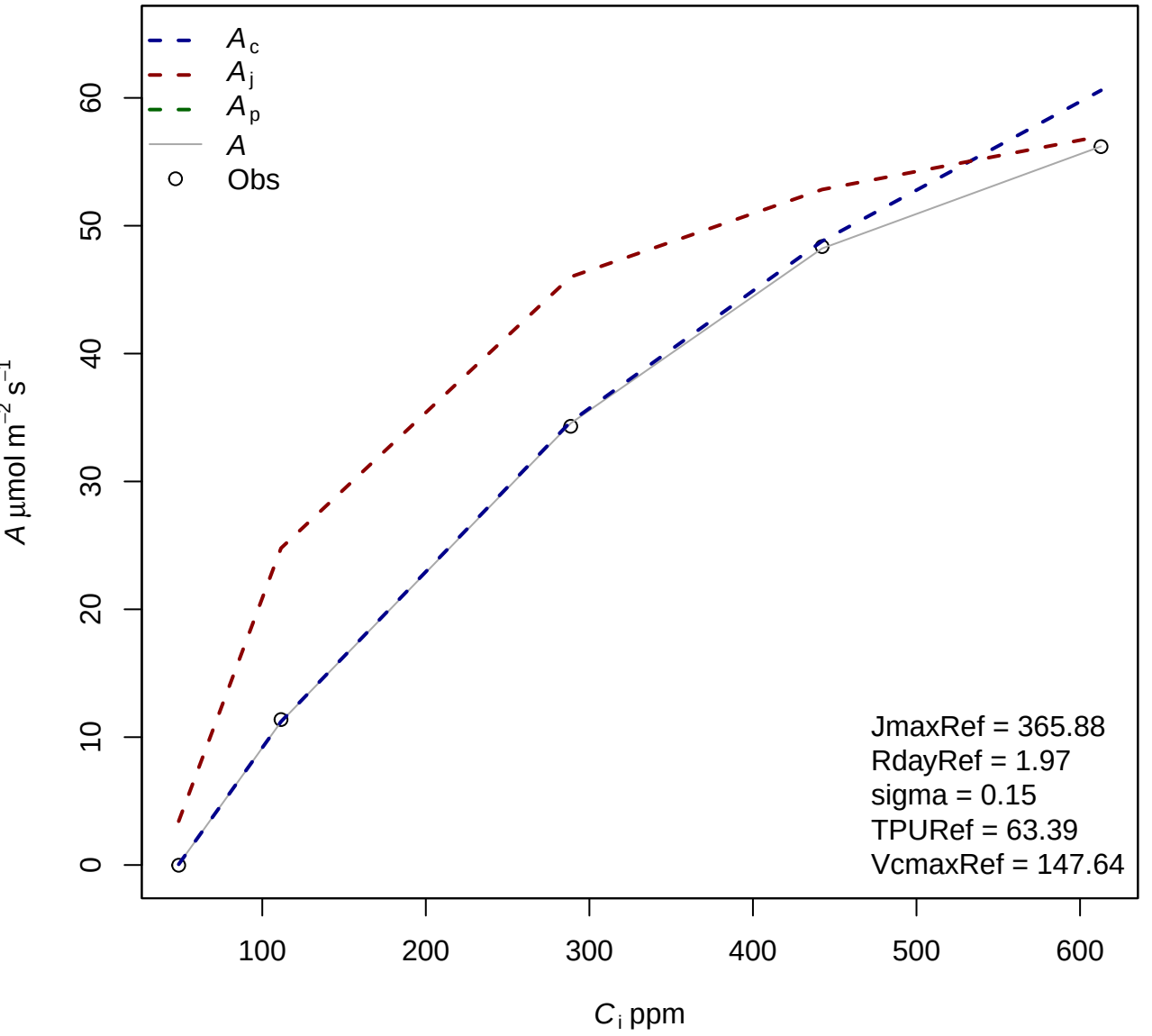

188
A_c
A_j
A_p
A
Obs
JmaxRef = 221.12
RdayRef = 0.8
sigma = 0.2
TPURef = 12929.23
VcmaxRef = 118.35
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

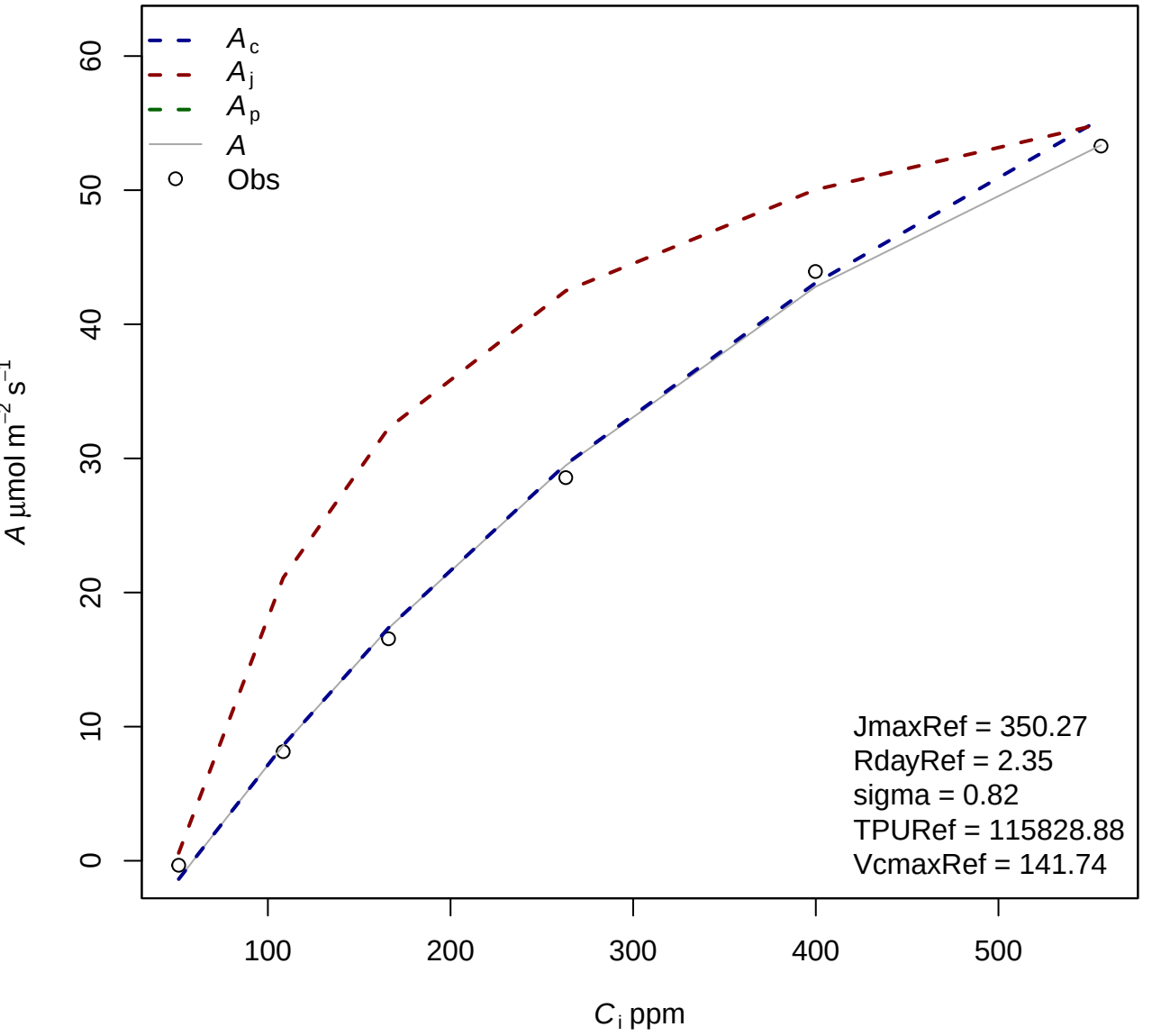


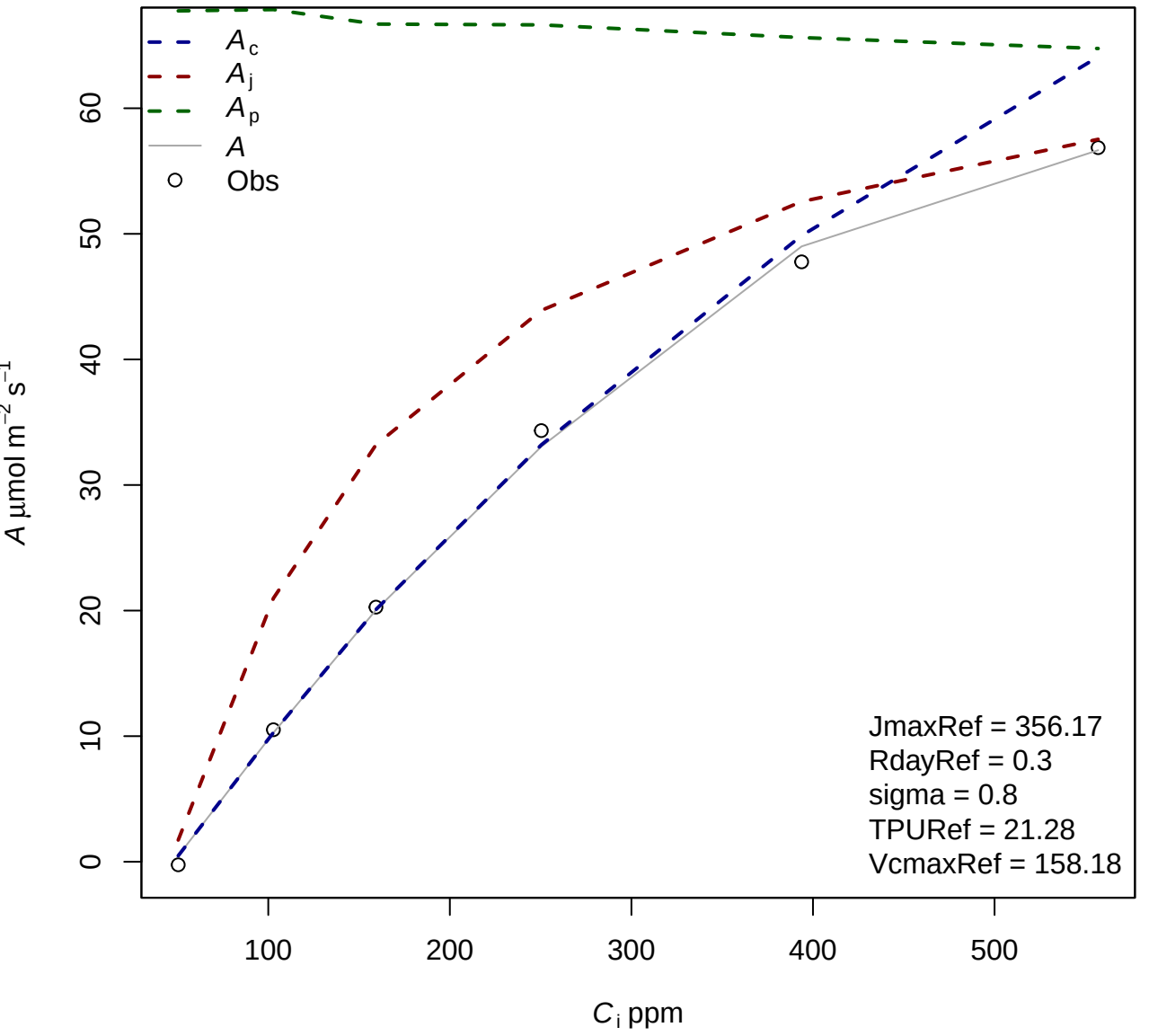
189
A_c
A_j
A_p
A
Obs
JmaxRef = 288.06
RdayRef = 0.99
sigma = 0.44
TPURef = 31.29
VcmaxRef = 134.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

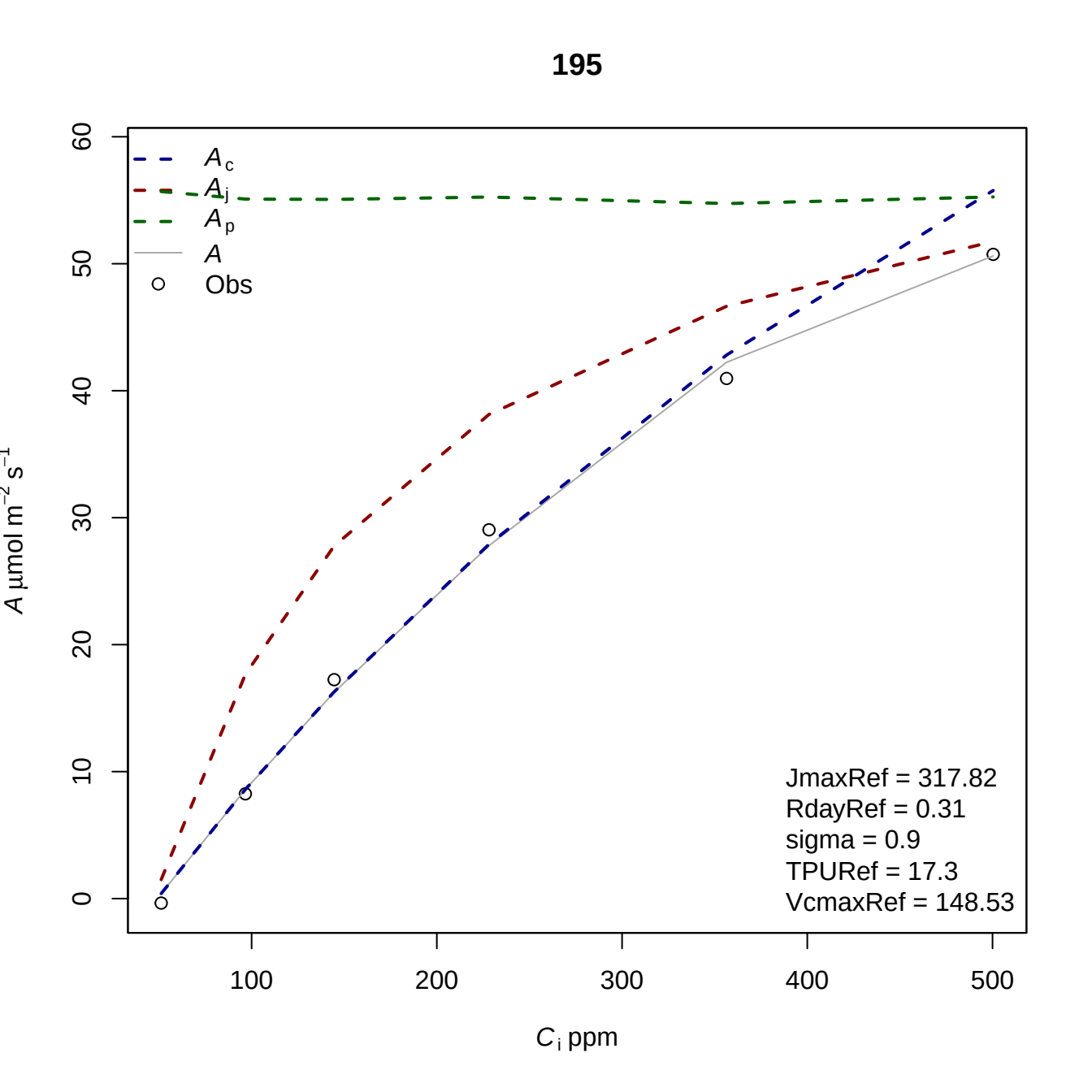

190
A_c
A_j
A_p
A
Obs
JmaxRef = 349.93
RdayRef = 1.34
sigma = 0.54
TPURef = 22.24
VcmaxRef = 143.76
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

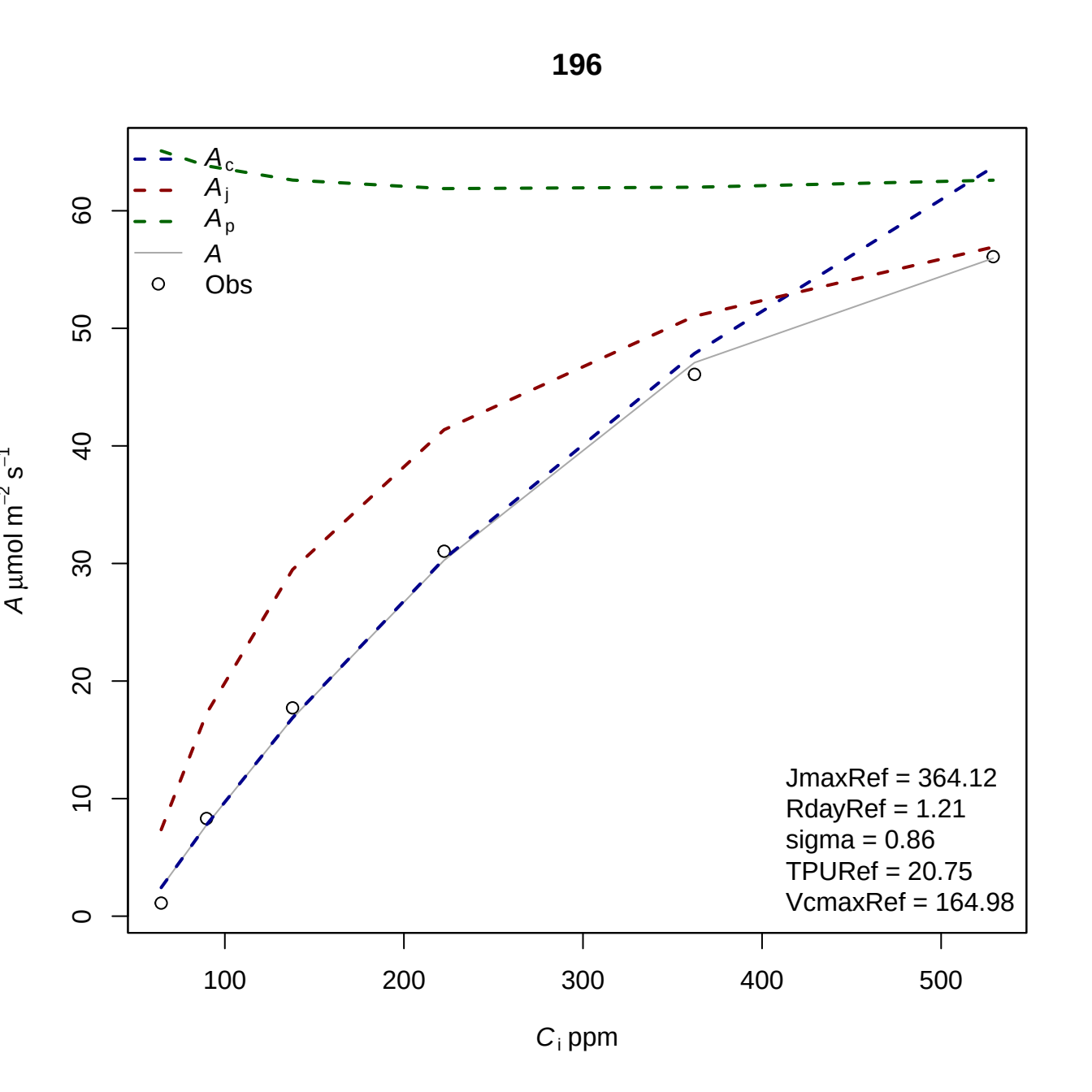

A_c
A_j
A_p
A
Obs
JmaxRef = 364.72
RdayRef = 1.9
sigma = 0.09
TPURef = 55.43
VcmaxRef = 149.4
0
10
20
30
40
50
60
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

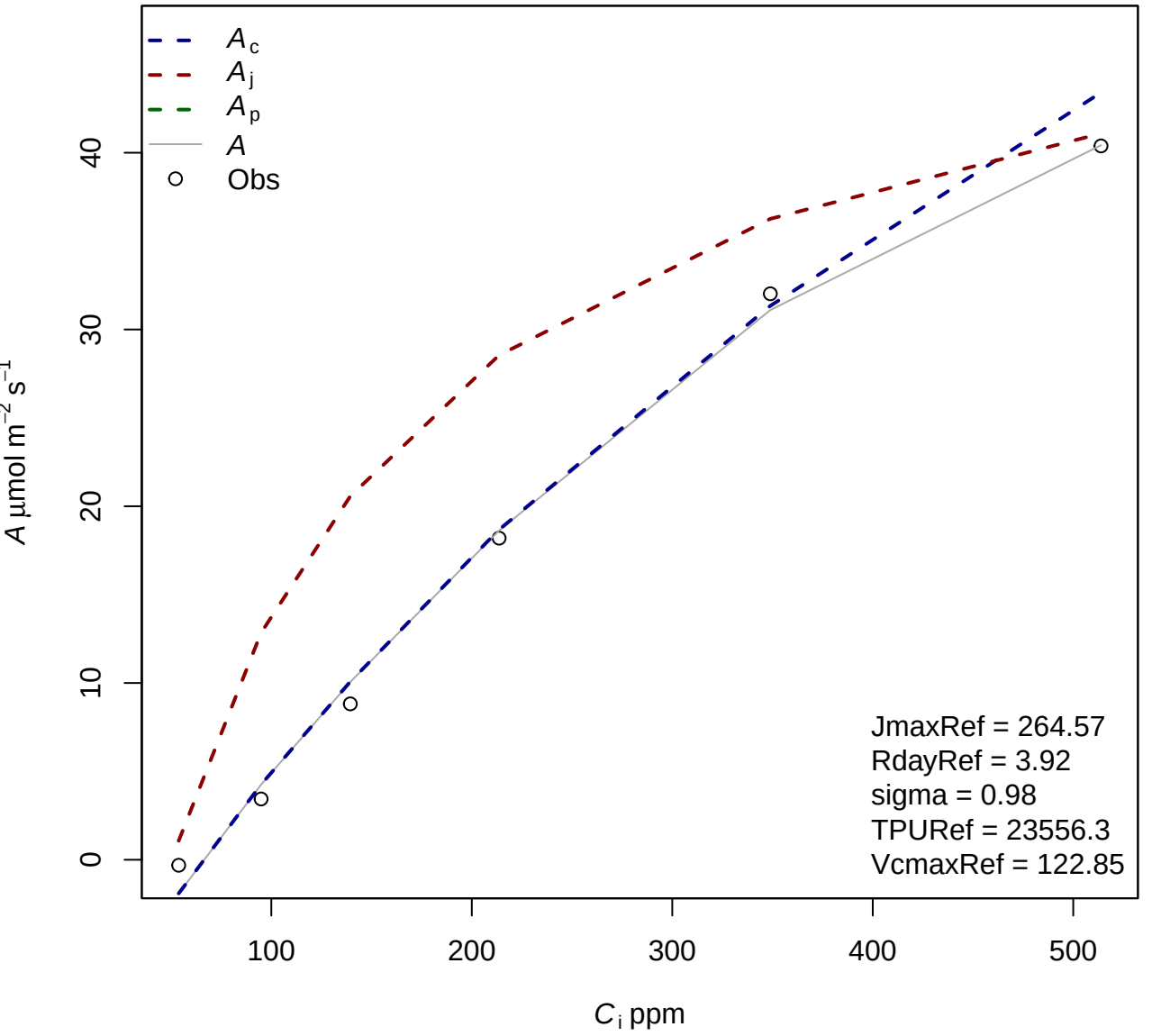

A_c
A_j
A_p
A
Obs
JmaxRef = 365.88
RdayRef = 1.97
sigma = 0.15
TPURef = 63.39
VcmaxRef = 147.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

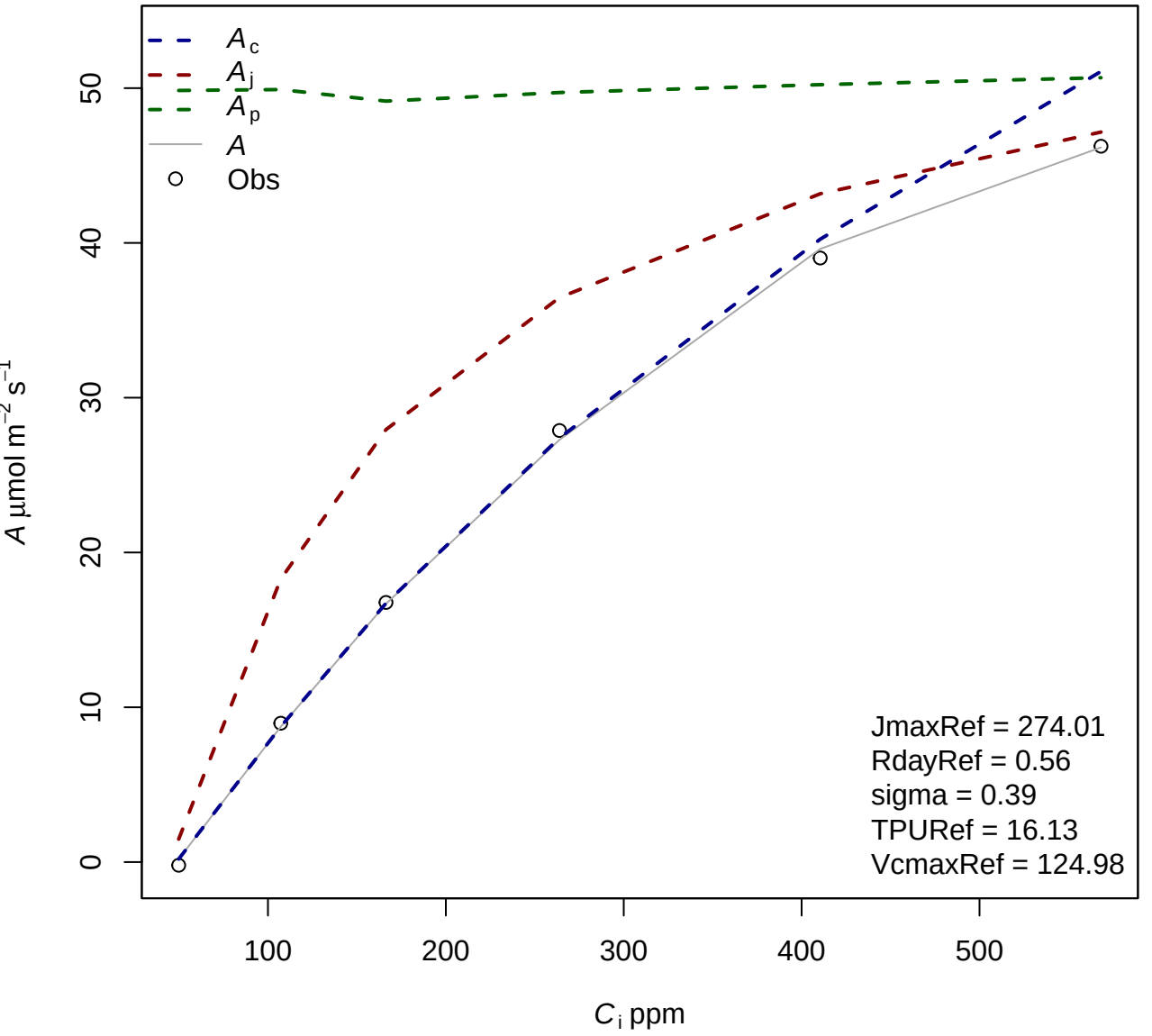

A_c
A_j
A_p
A
Obs
JmaxRef = 350.27
RdayRef = 2.35
sigma = 0.82
TPURef = 115828.88
VcmaxRef = 141.74
0
10
20
30
40
50
60
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

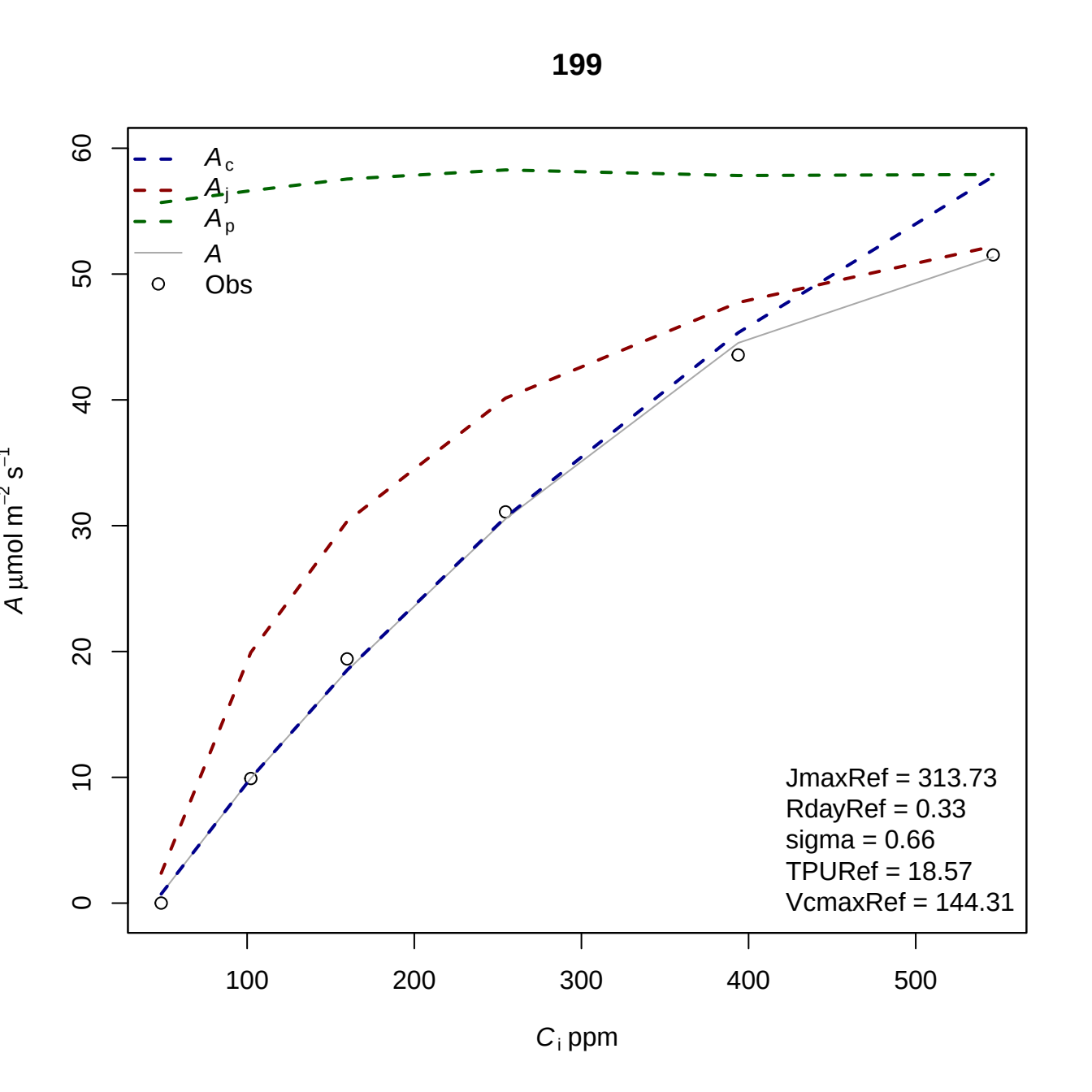

A_c
A_j
A_p
A
Obs
JmaxRef = 356.17
RdayRef = 0.3
sigma = 0.8
TPURef = 21.28
VcmaxRef = 158.18
0
10
20
30
40
50
60
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

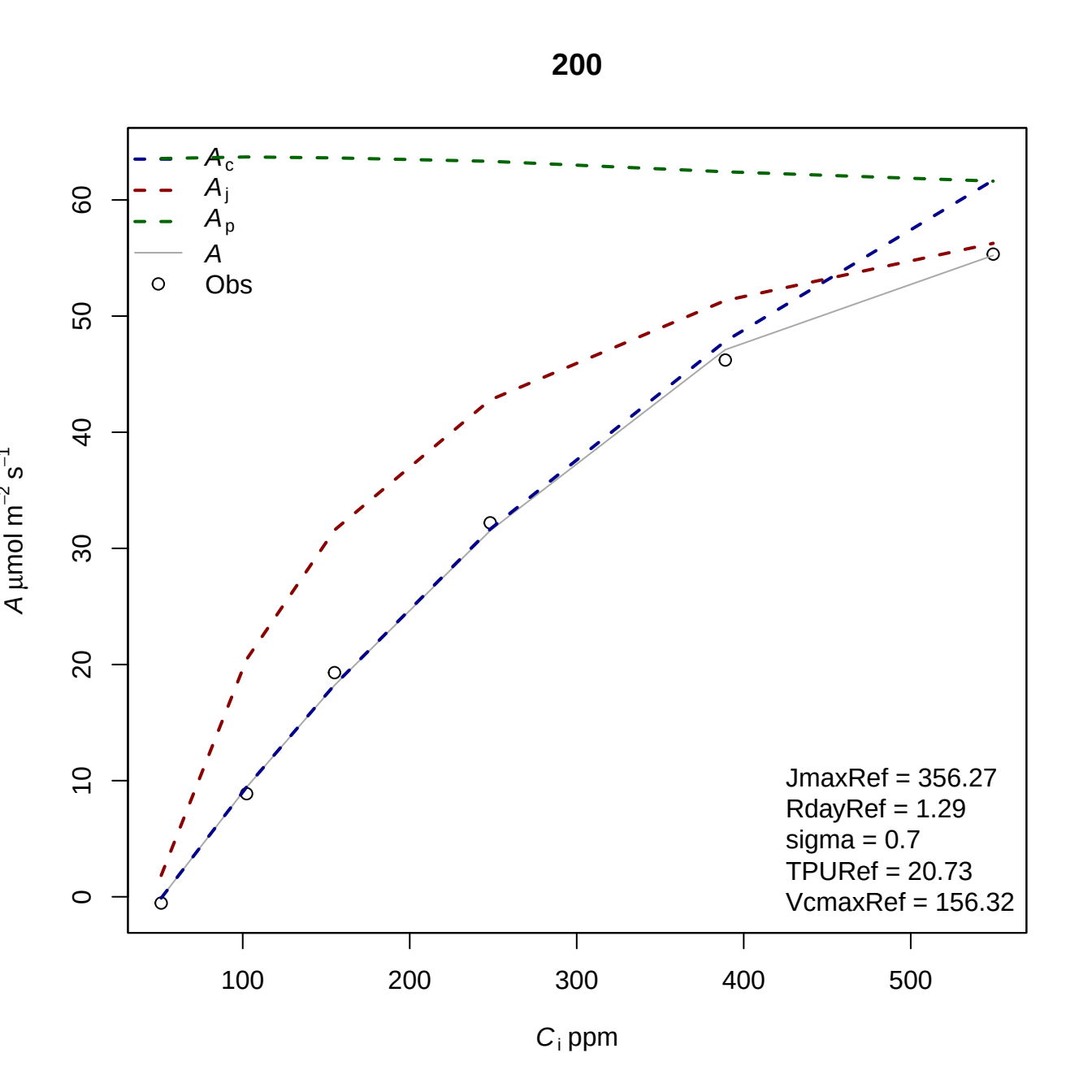

195
A_c
A_j
A_p
A
Obs
JmaxRef = 317.82
RdayRef = 0.31
sigma = 0.9
TPURef = 17.3
VcmaxRef = 148.53
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

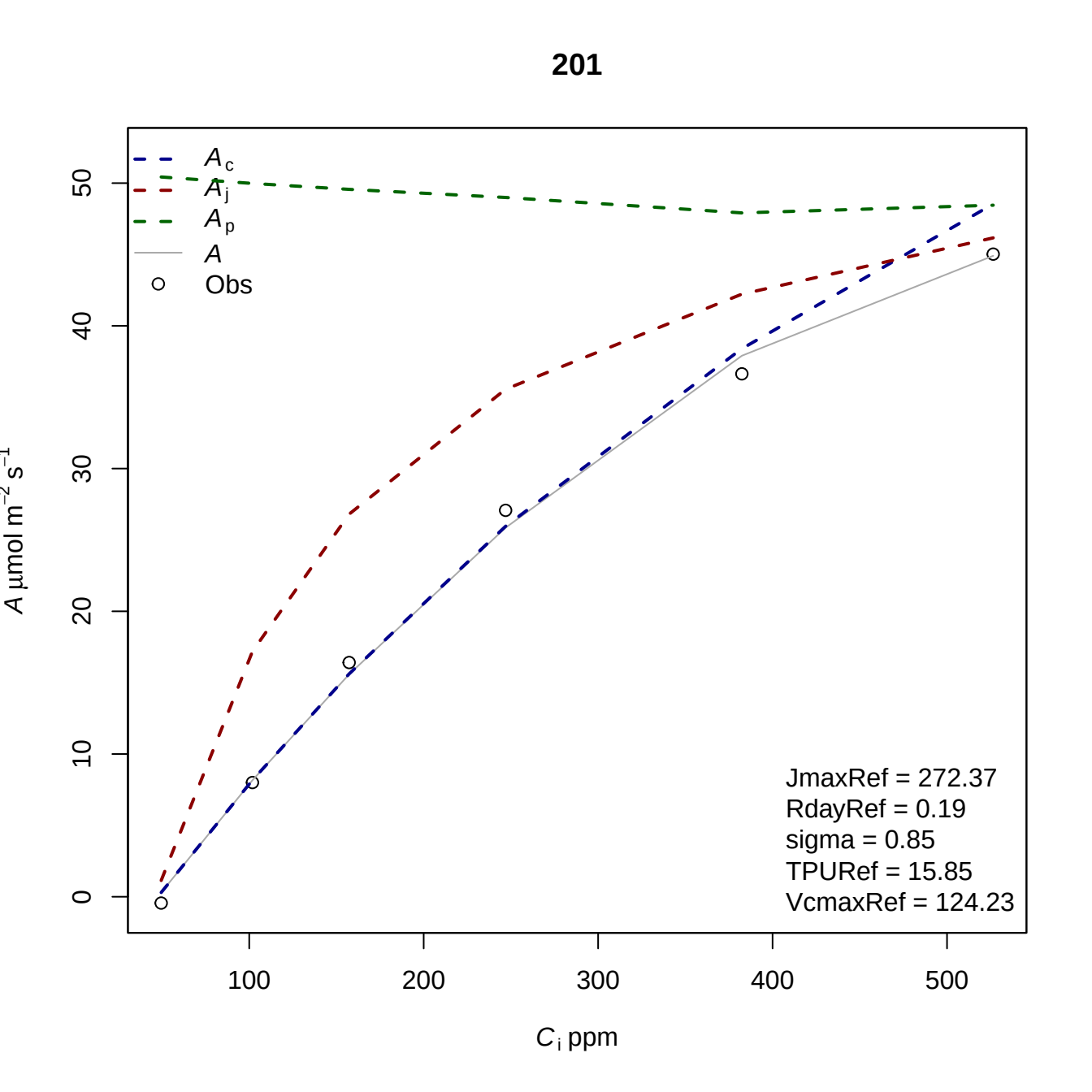

196
A_c
A_j
A_p
A
Obs
JmaxRef = 364.12
RdayRef = 1.21
sigma = 0.86
TPURef = 20.75
VcmaxRef = 164.98
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

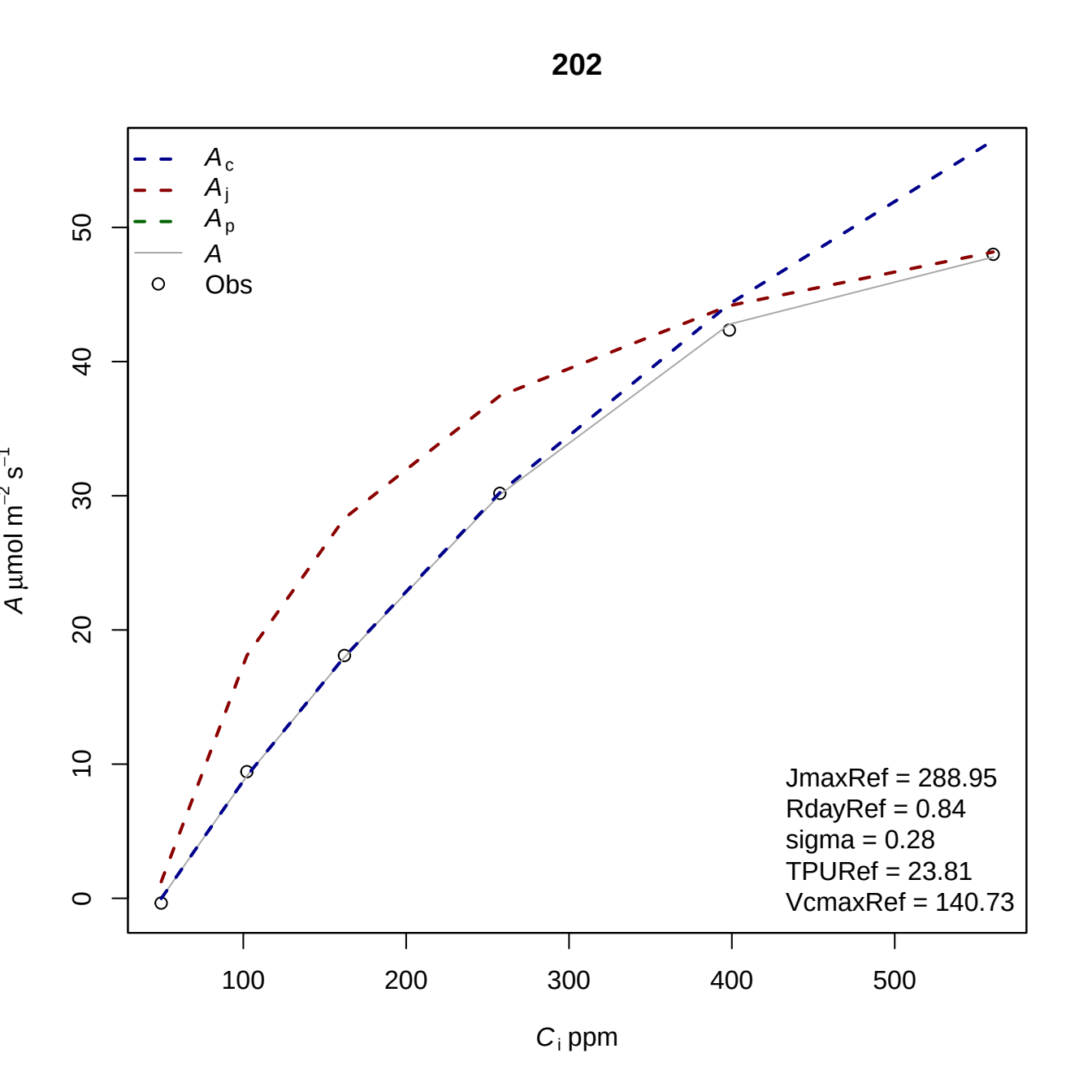

A_c
A_j
A_p
A
Obs
JmaxRef = 264.57
RdayRef = 3.92
sigma = 0.98
TPURef = 23556.3
VcmaxRef = 122.85
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

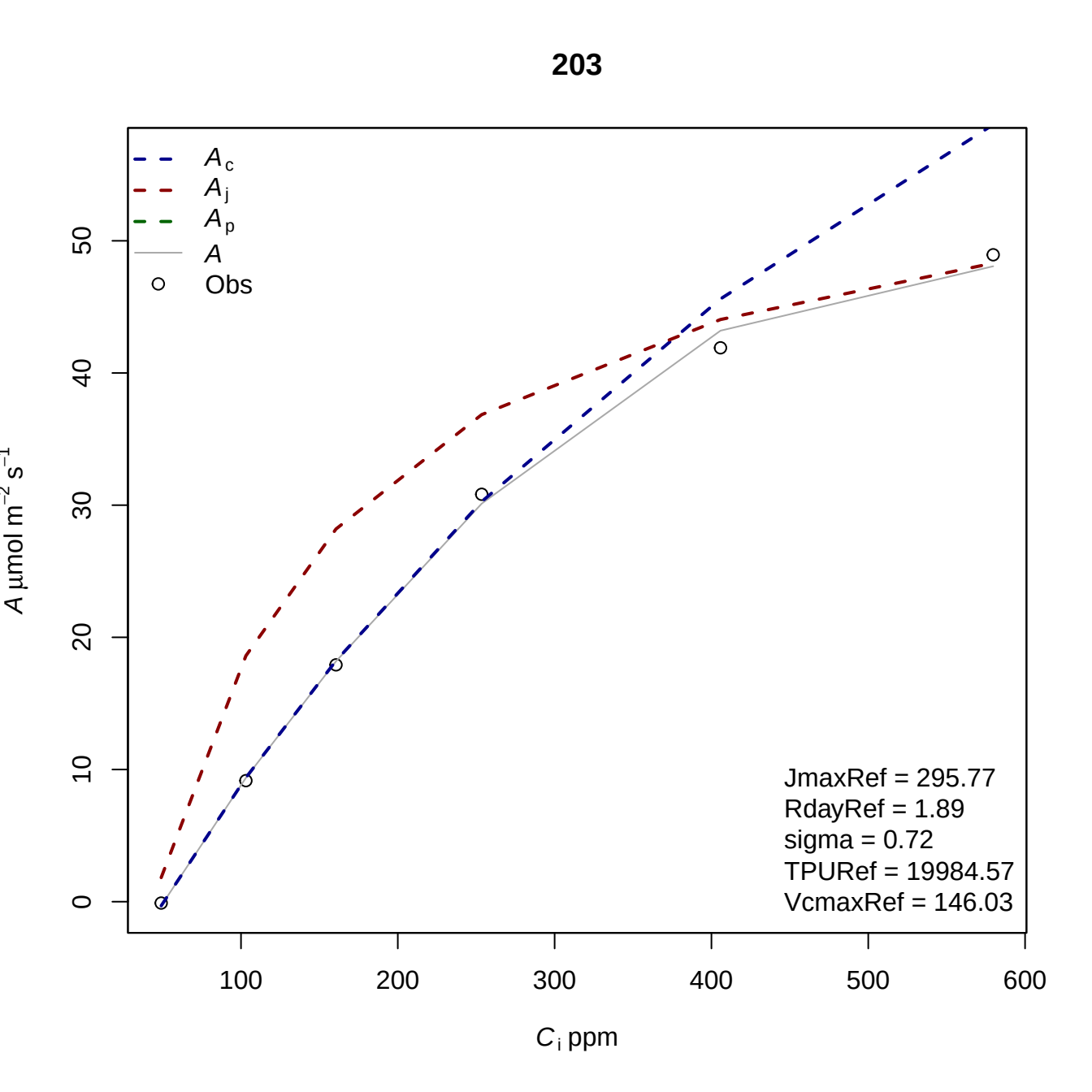

A_c
A_j
A_p
A
Obs
JmaxRef = 274.01
RdayRef = 0.56
sigma = 0.39
TPURef = 16.13
VcmaxRef = 124.98
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

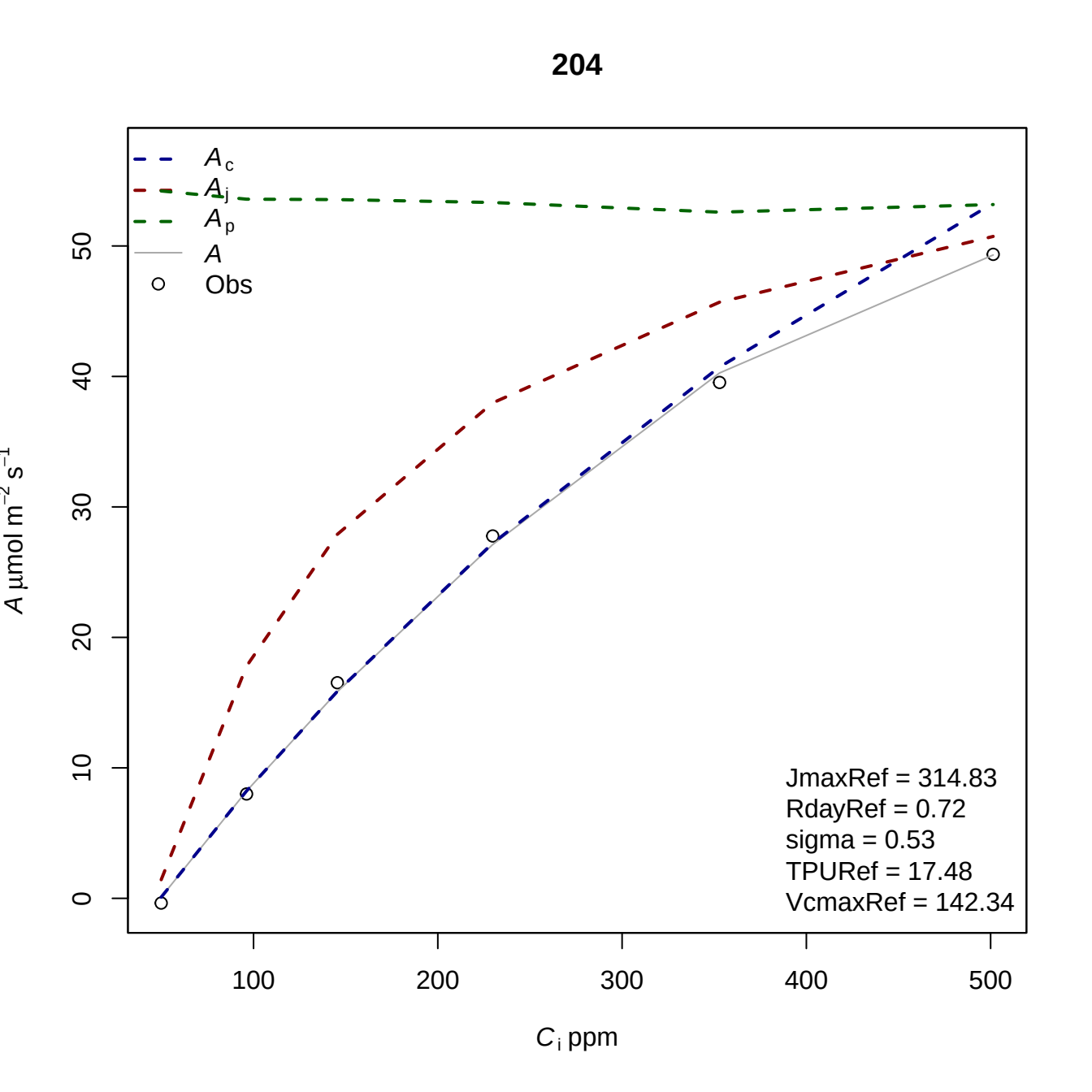

199
A_c
A_j
A_p
A
Obs
JmaxRef = 313.73
RdayRef = 0.33
sigma = 0.66
TPURef = 18.57
VcmaxRef = 144.31
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

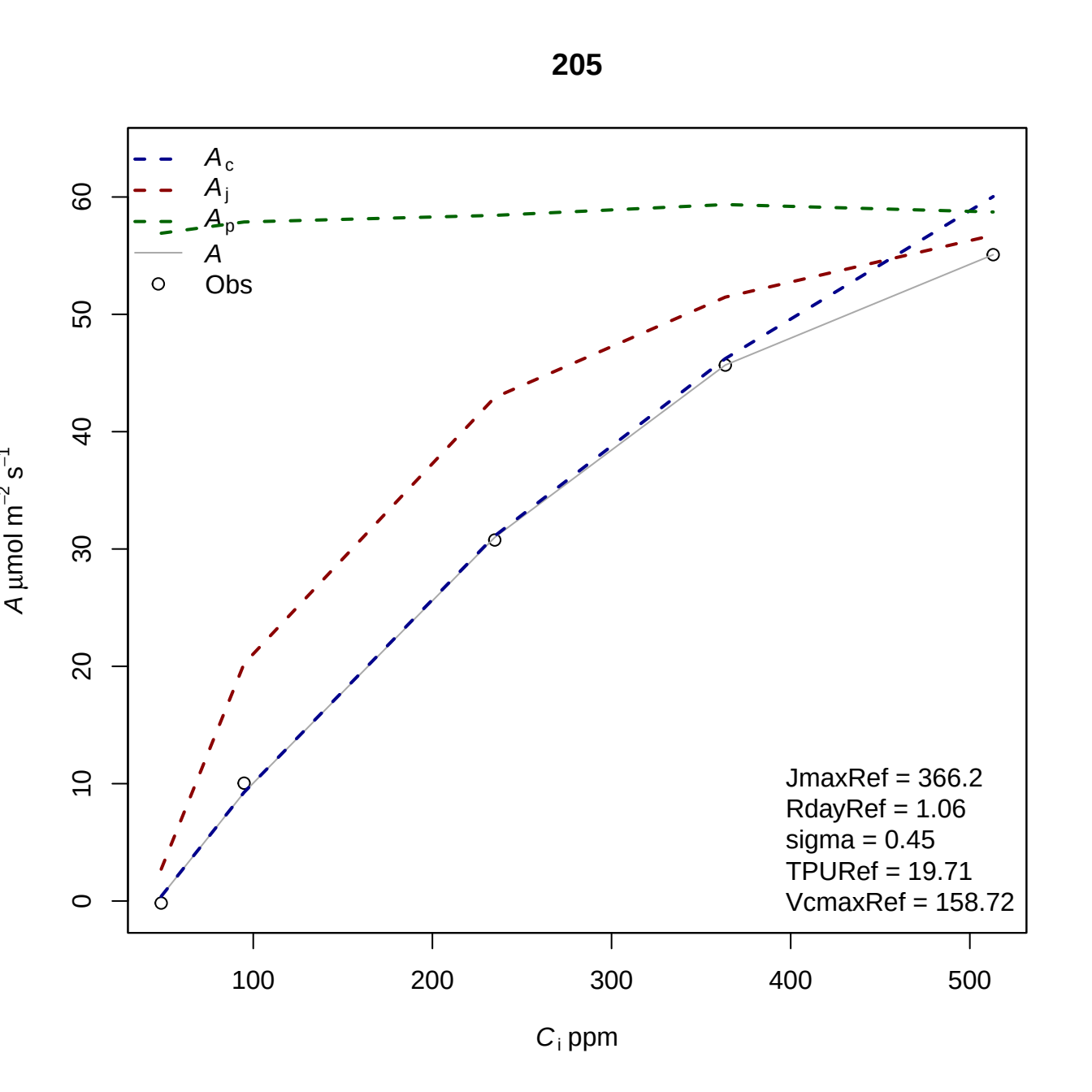

200
A_c
A_j
A_p
A
Obs
JmaxRef = 356.27
RdayRef = 1.29
sigma = 0.7
TPURef = 20.73
VcmaxRef = 156.32
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

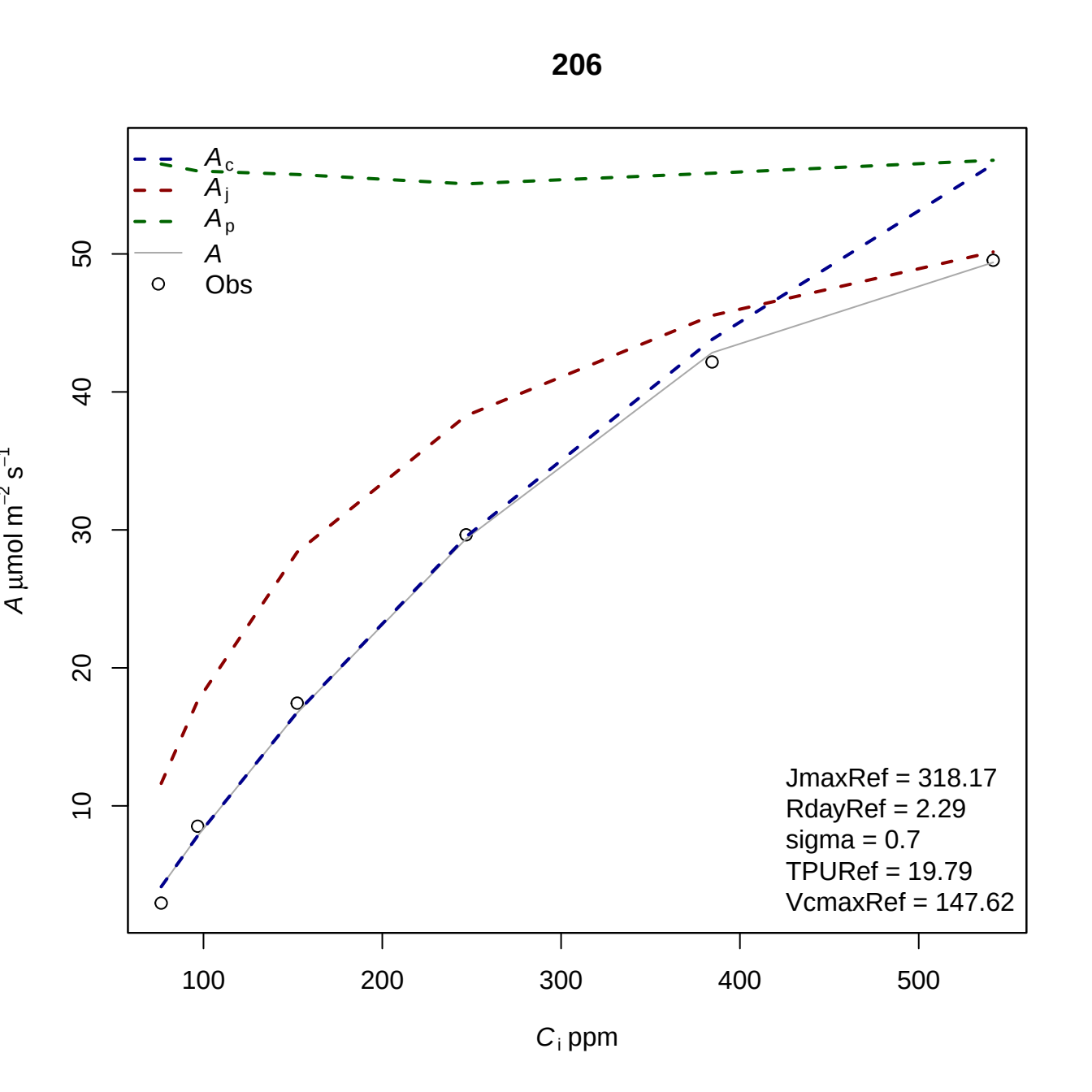

201
A_c
A_j
A_p
A
Obs
JmaxRef = 272.37
RdayRef = 0.19
sigma = 0.85
TPURef = 15.85
VcmaxRef = 124.23
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

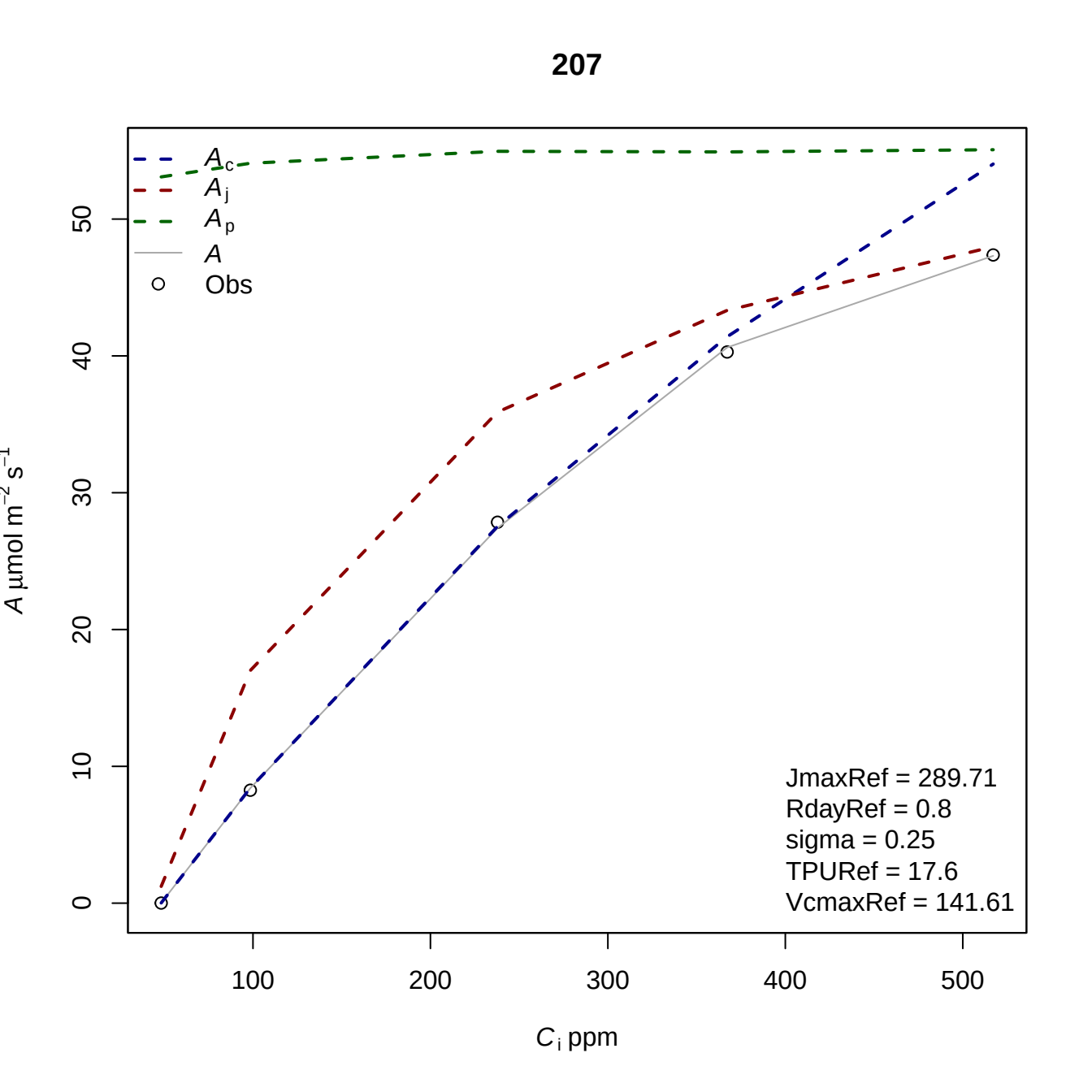

202
A_c
A_j
A_p
A
Obs
JmaxRef = 288.95
RdayRef = 0.84
sigma = 0.28
TPURef = 23.81
VcmaxRef = 140.73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

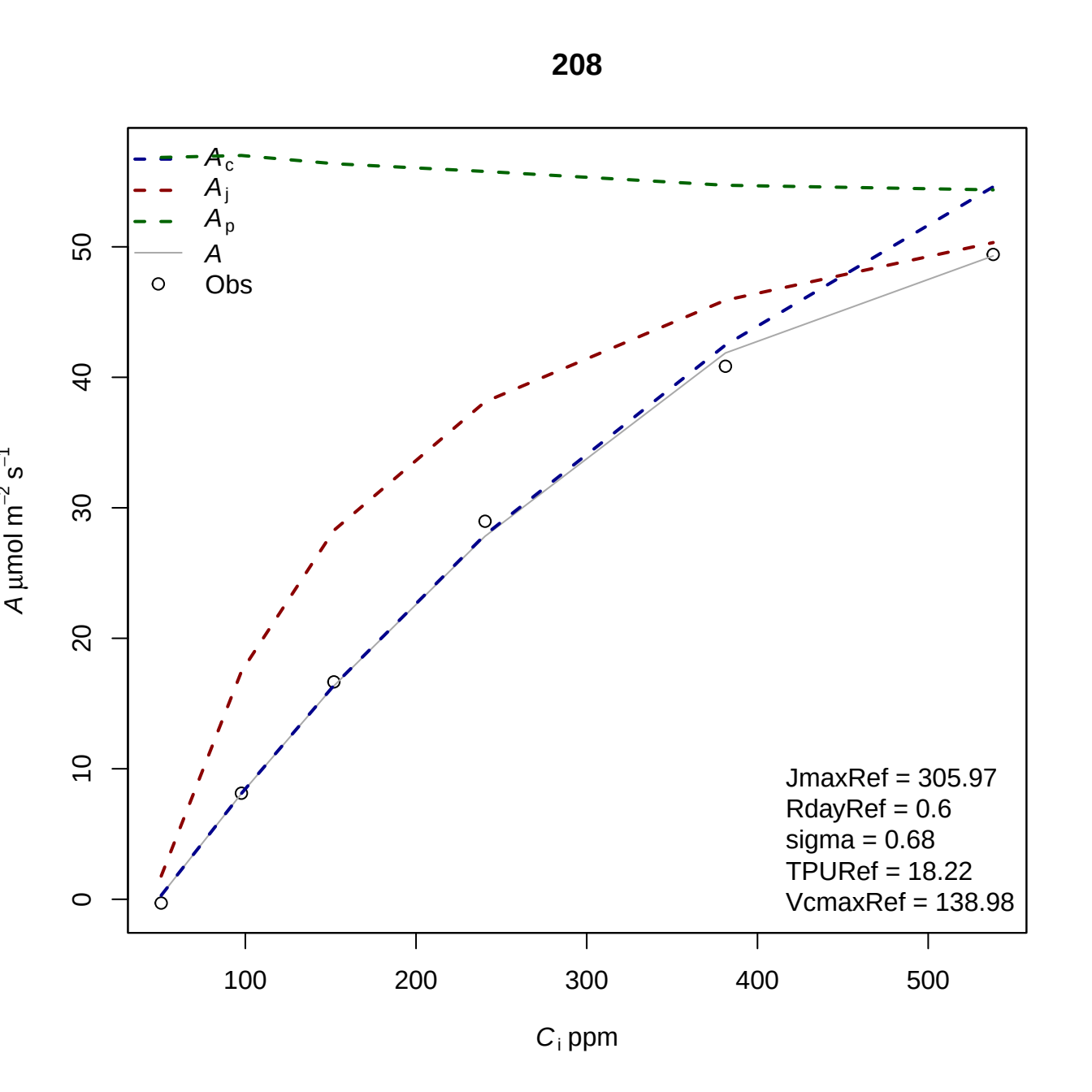

203
A_c
A_j
A_p
A
Obs
JmaxRef = 295.77
RdayRef = 1.89
sigma = 0.72
TPURef = 19984.57
VcmaxRef = 146.03
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

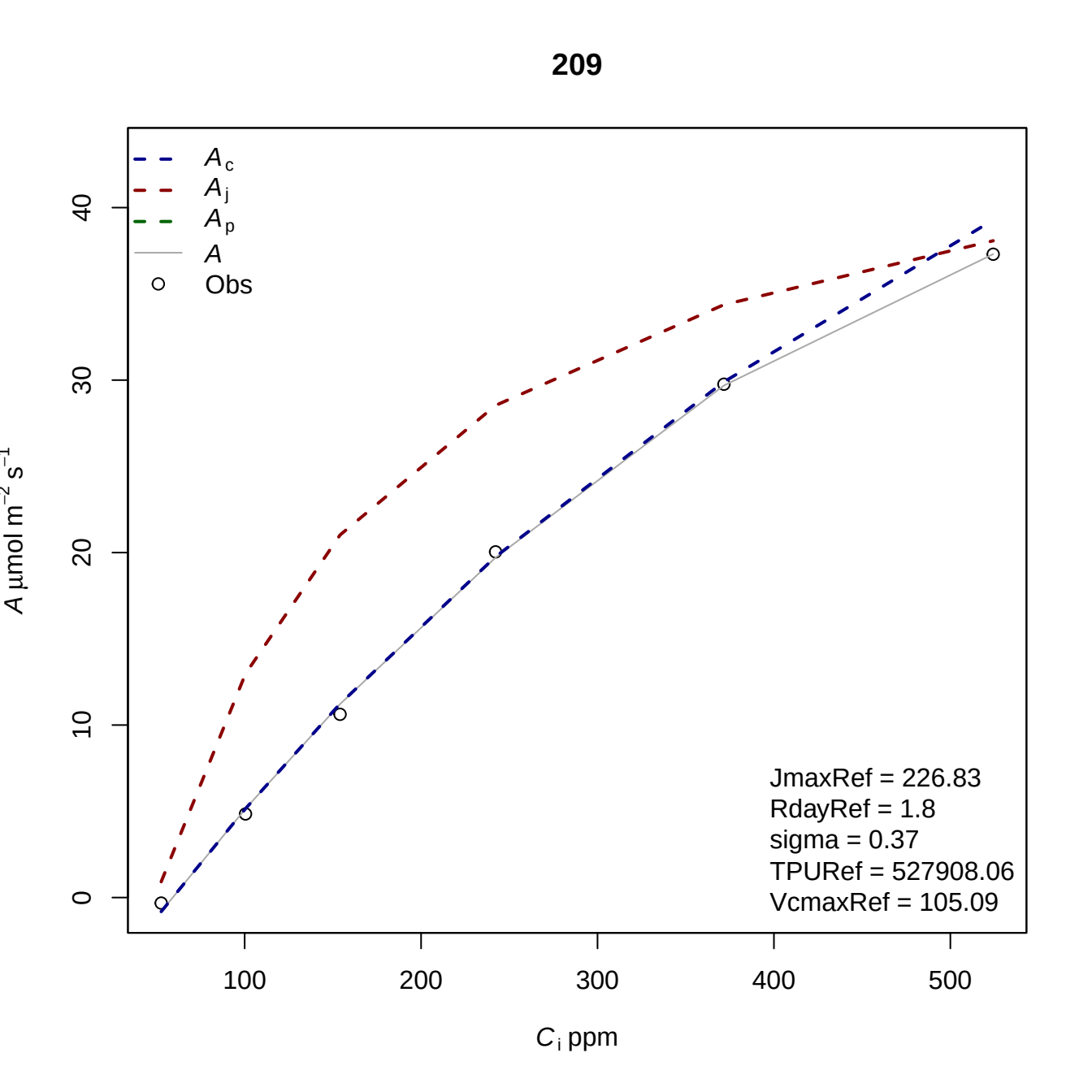

204
A_c
A_j
A_p
A
Obs
JmaxRef = 314.83
RdayRef = 0.72
sigma = 0.53
TPURef = 17.48
VcmaxRef = 142.34
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

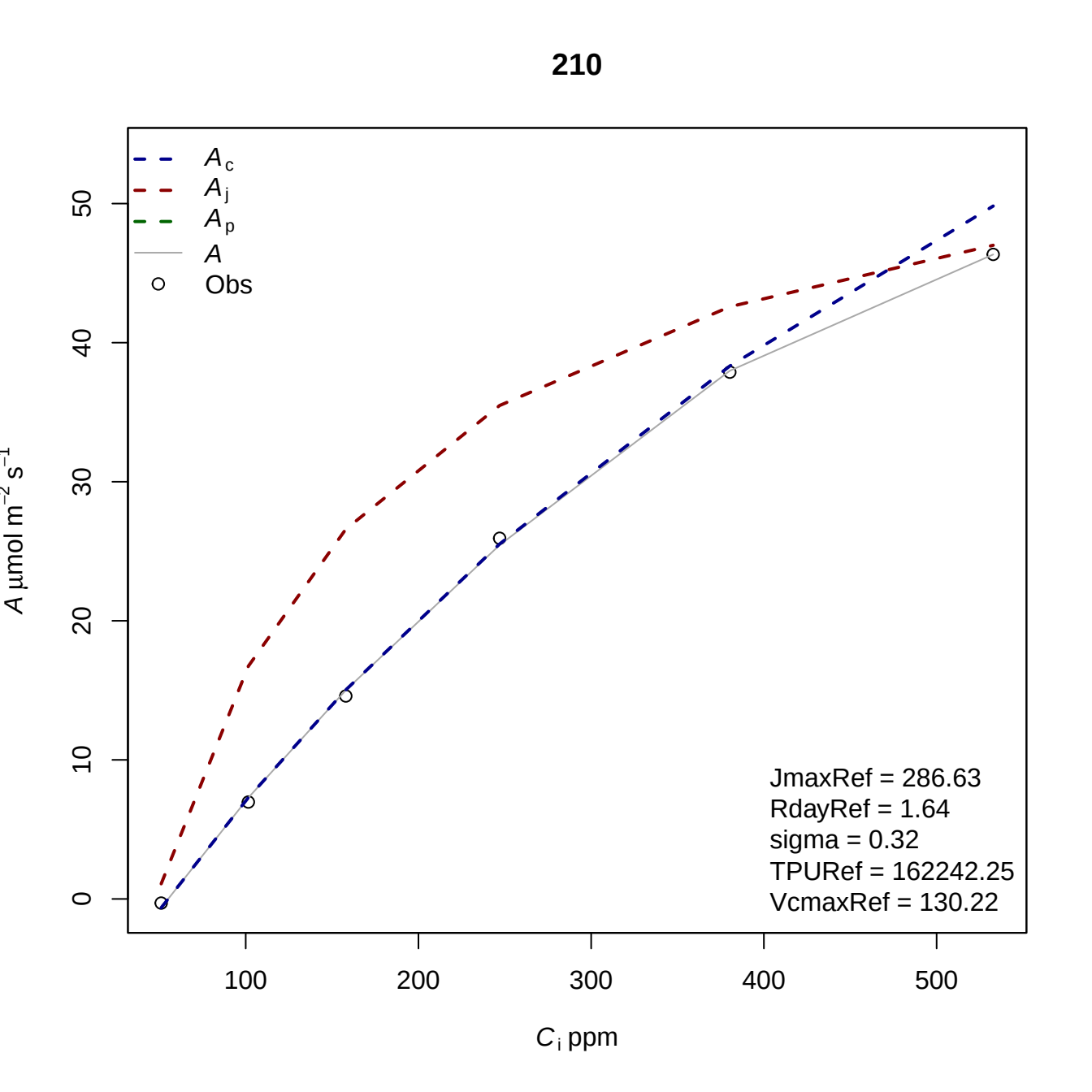

205
A_c
A_j
A_p
A
Obs
JmaxRef = 366.2
RdayRef = 1.06
sigma = 0.45
TPURef = 19.71
VcmaxRef = 158.72
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

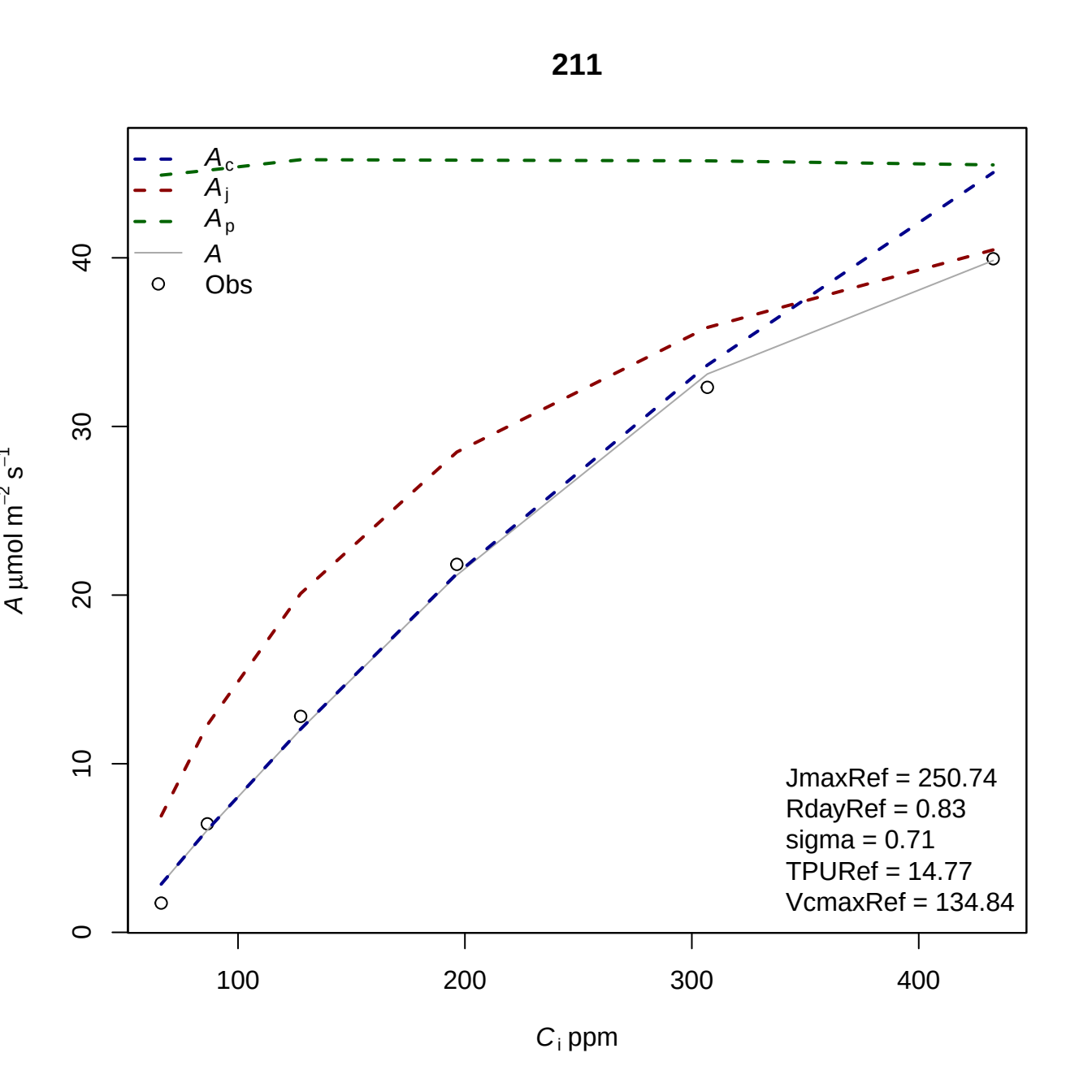

206
A_c
A_j
A_p
A
Obs
JmaxRef = 318.17
RdayRef = 2.29
sigma = 0.7
TPURef = 19.79
VcmaxRef = 147.62
A µmol m^{-2} s^{-1}
10
20
30
40
50
100
200
300
400
500
C_i ppm

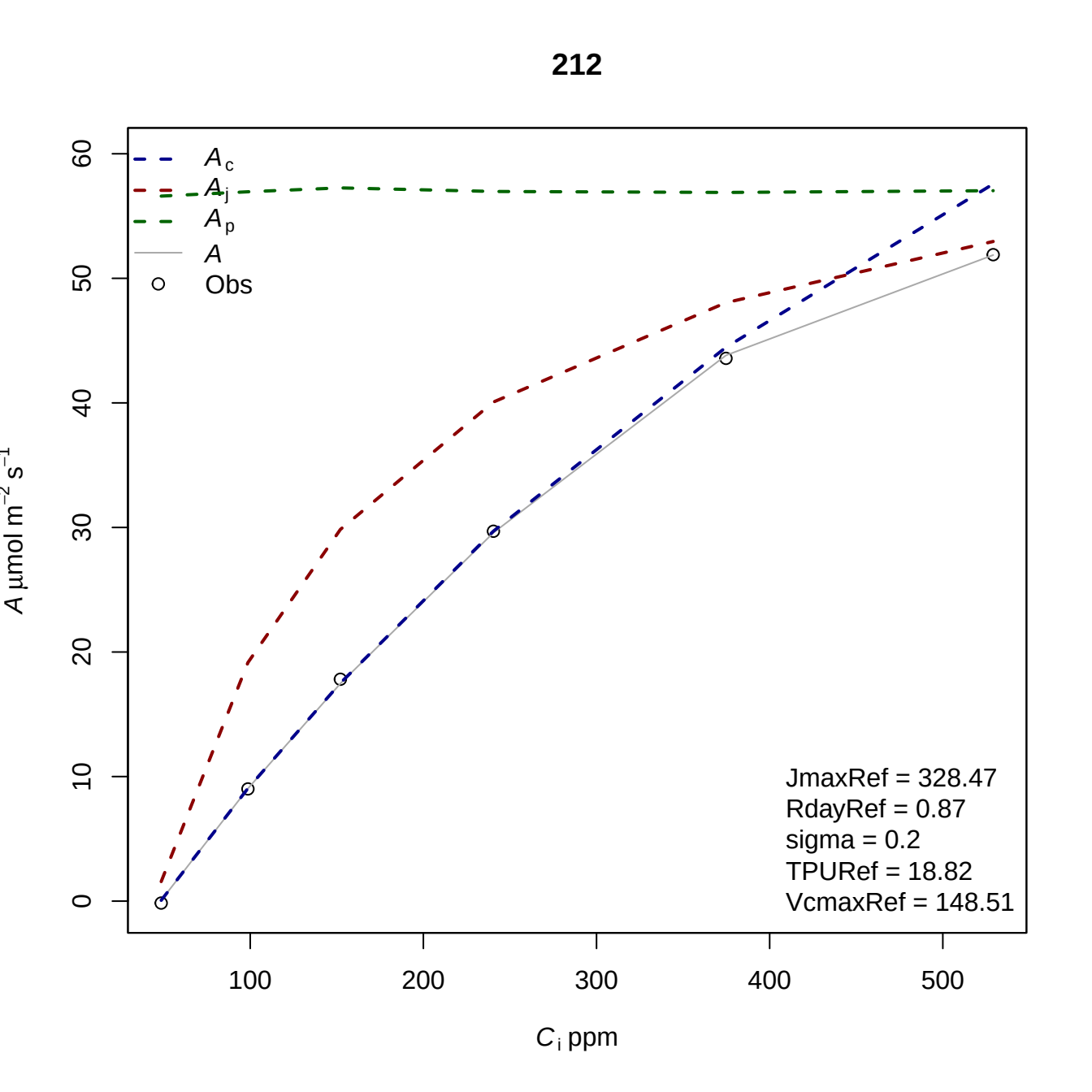

207
A_c
A_j
A_p
A
Obs
JmaxRef = 289.71
RdayRef = 0.8
sigma = 0.25
TPURef = 17.6
VcmaxRef = 141.61
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

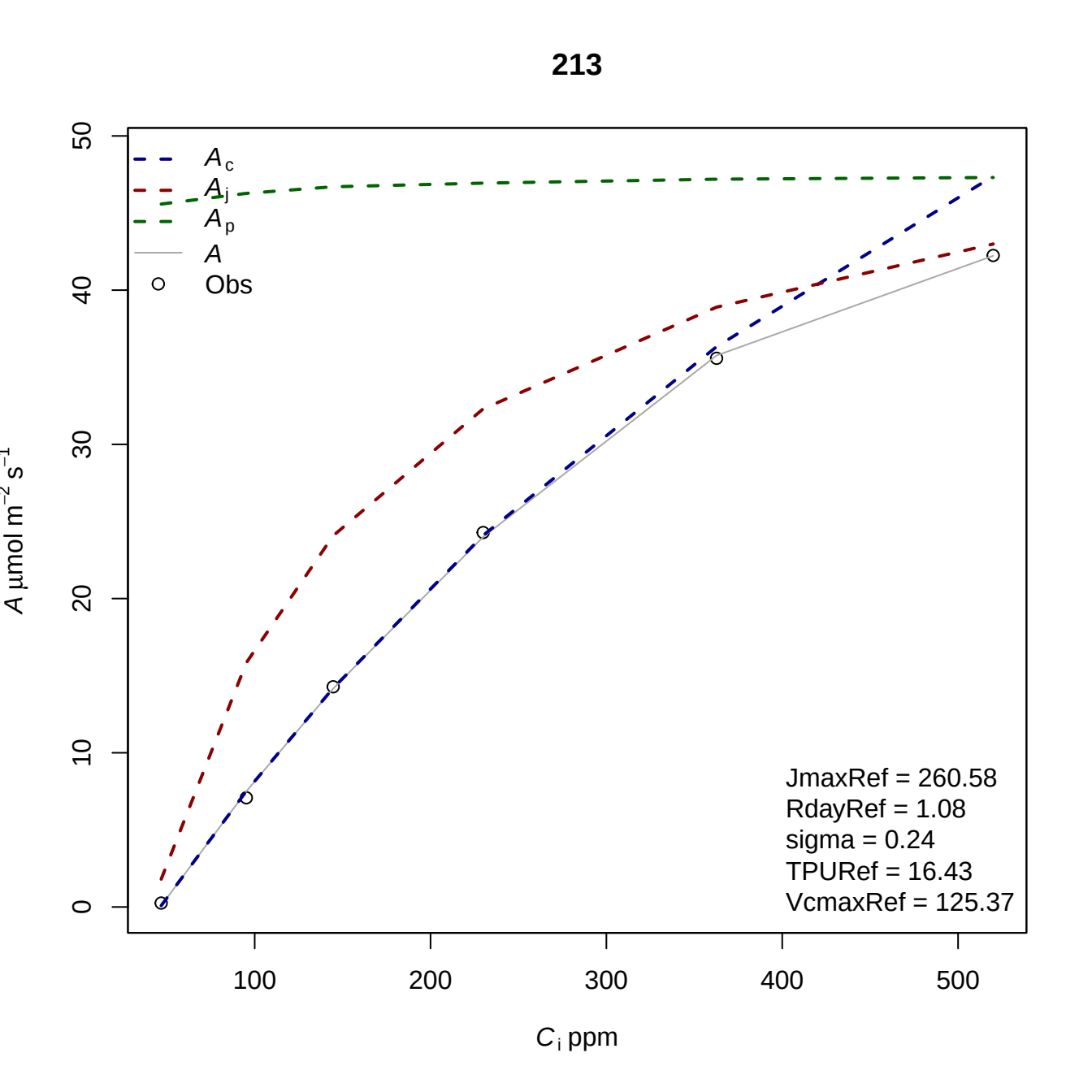

208
A_c
A_j
A_p
A
Obs
JmaxRef = 305.97
RdayRef = 0.6
sigma = 0.68
TPURef = 18.22
VcmaxRef = 138.98
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

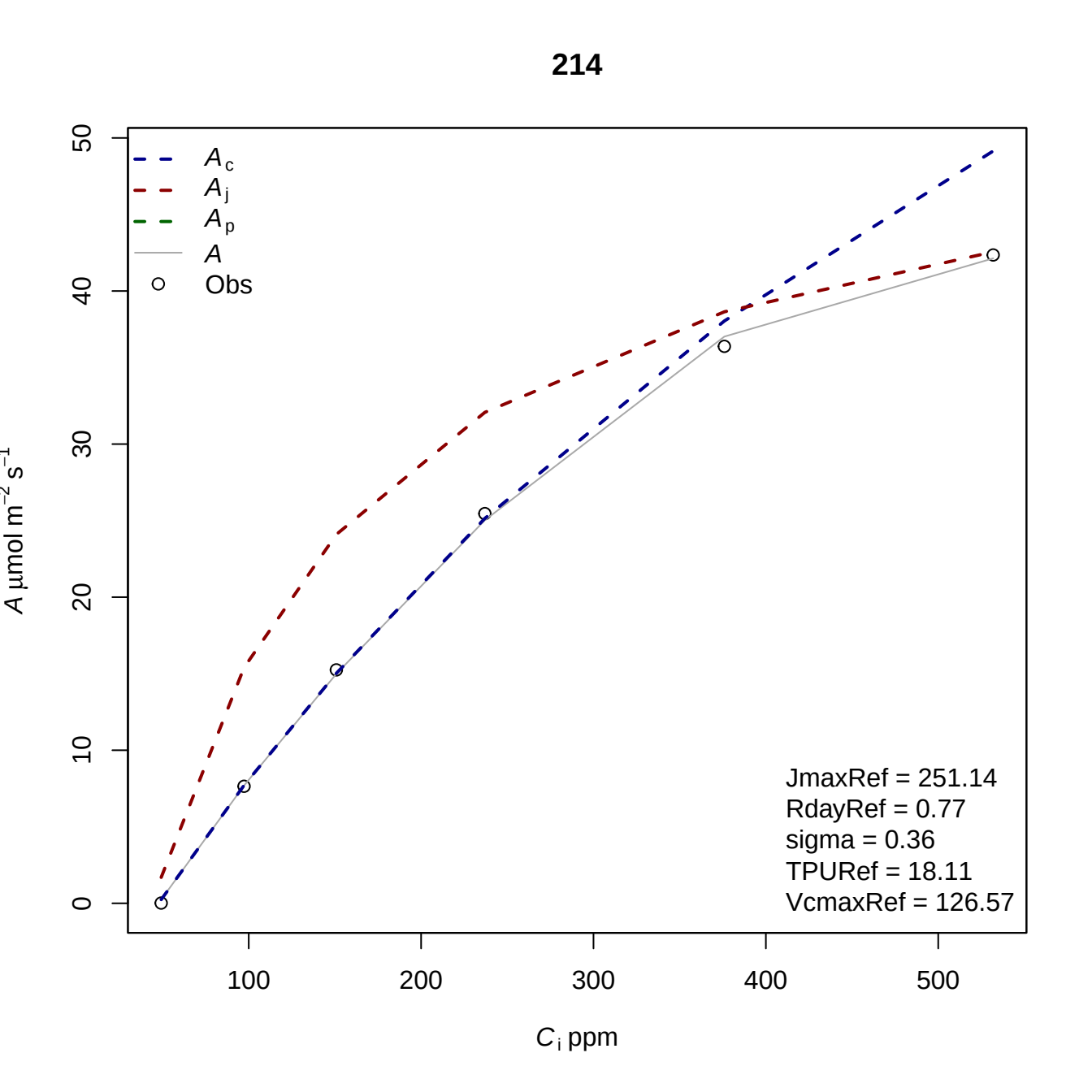

209
A_c
A_j
A_p
A
Obs
JmaxRef = 226.83
RdayRef = 1.8
sigma = 0.37
TPURef = 527908.06
VcmaxRef = 105.09
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

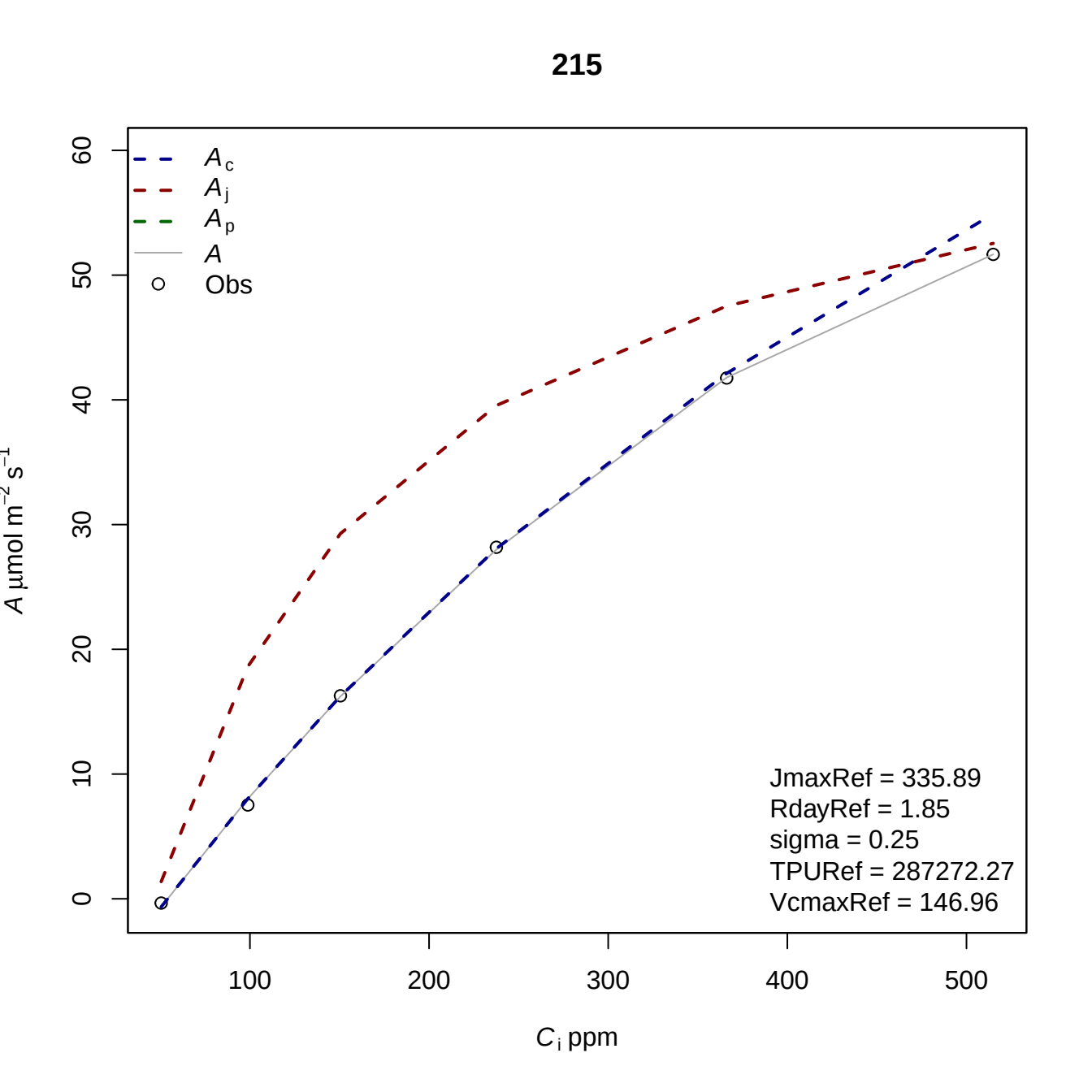

210
A_c
A_j
A_p
A
Obs
JmaxRef = 286.63
RdayRef = 1.64
sigma = 0.32
TPURef = 162242.25
VcmaxRef = 130.22
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

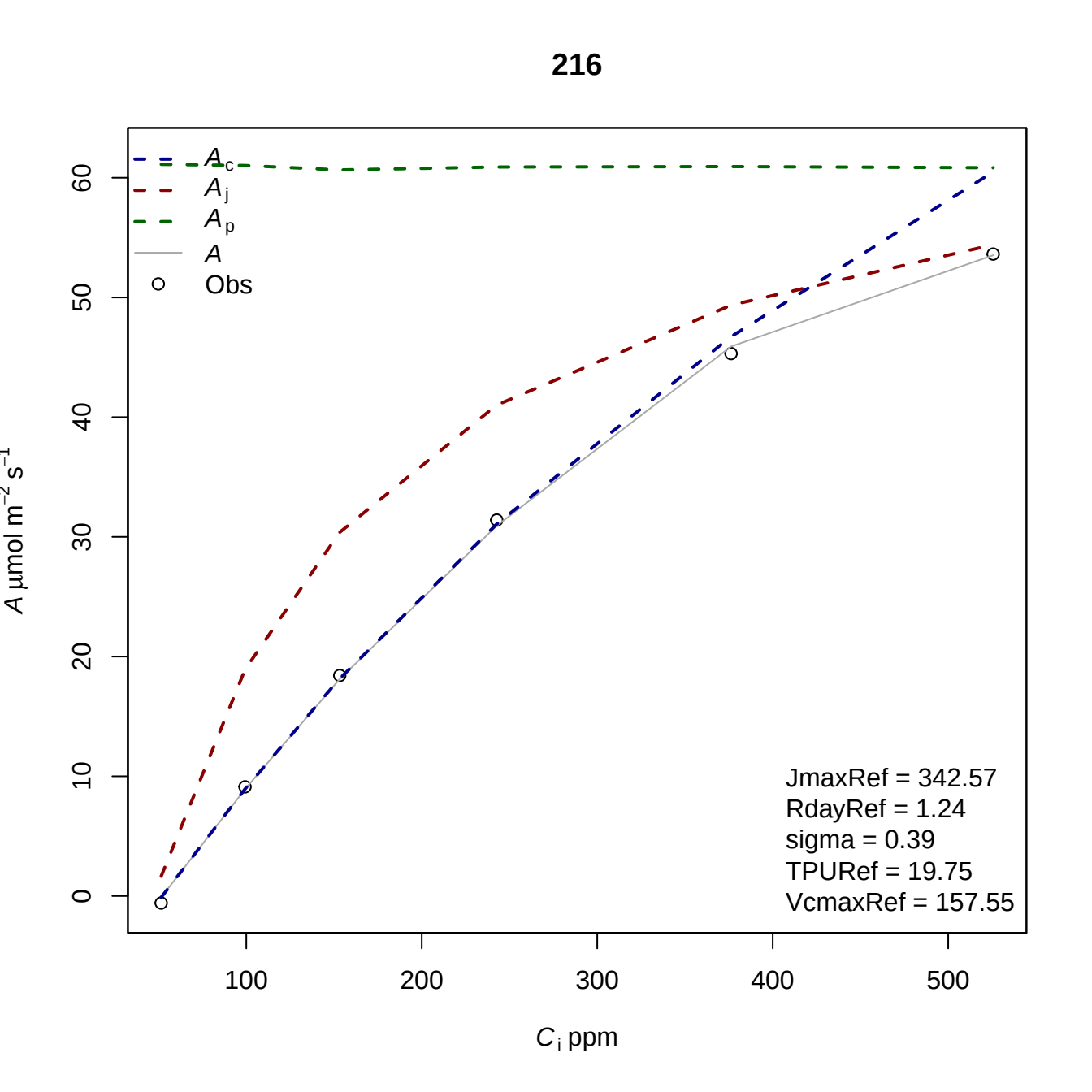

211
A_c
A_j
A_p
A
Obs
JmaxRef = 250.74
RdayRef = 0.83
sigma = 0.71
TPURef = 14.77
VcmaxRef = 134.84
0
10
20
30
40
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

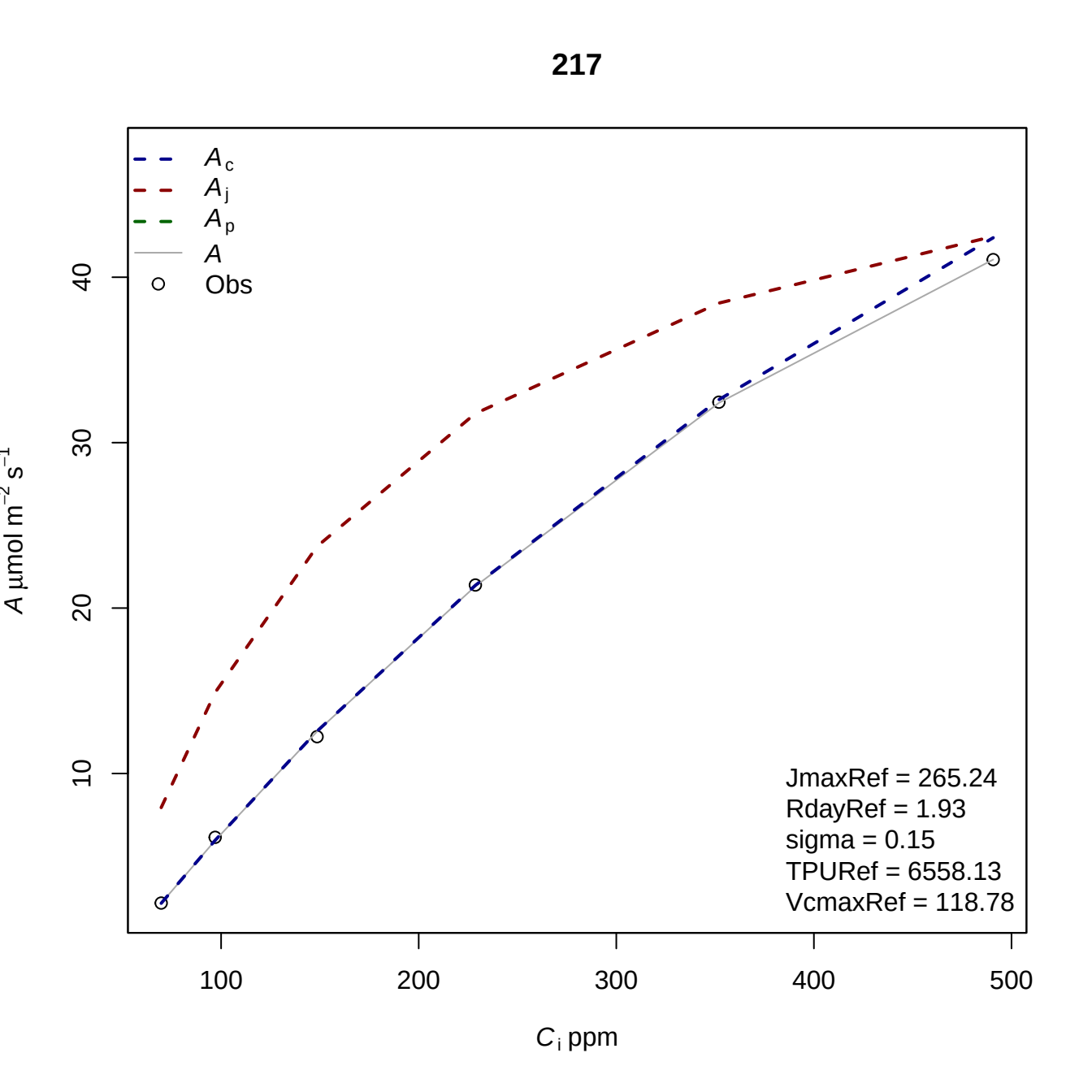

212
A_c
A_j
A_p
A
Obs
JmaxRef = 328.47
RdayRef = 0.87
sigma = 0.2
TPURef = 18.82
VcmaxRef = 148.51
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

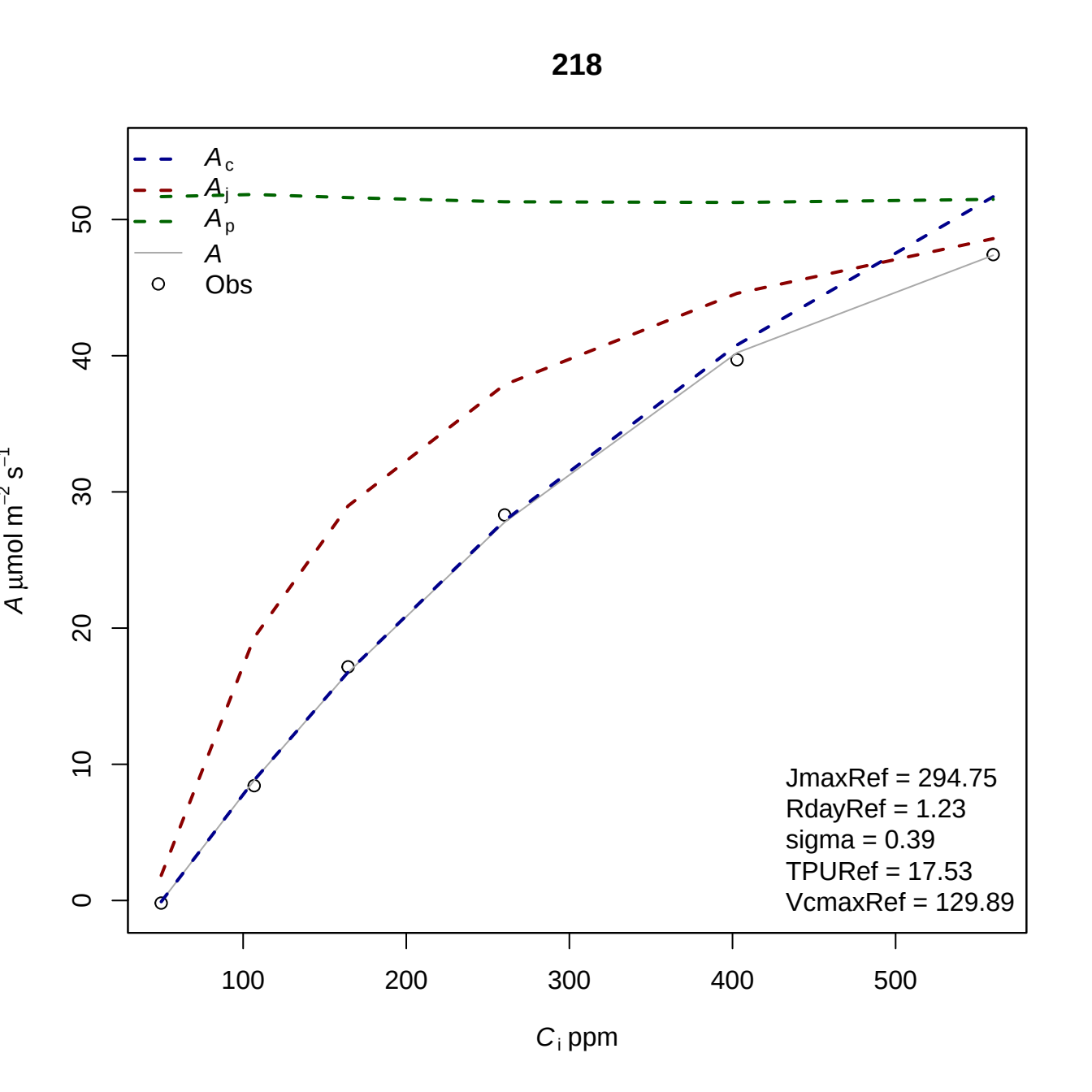

213
A_c
A_j
A_p
A
Obs
JmaxRef = 260.58
RdayRef = 1.08
sigma = 0.24
TPURef = 16.43
VcmaxRef = 125.37
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

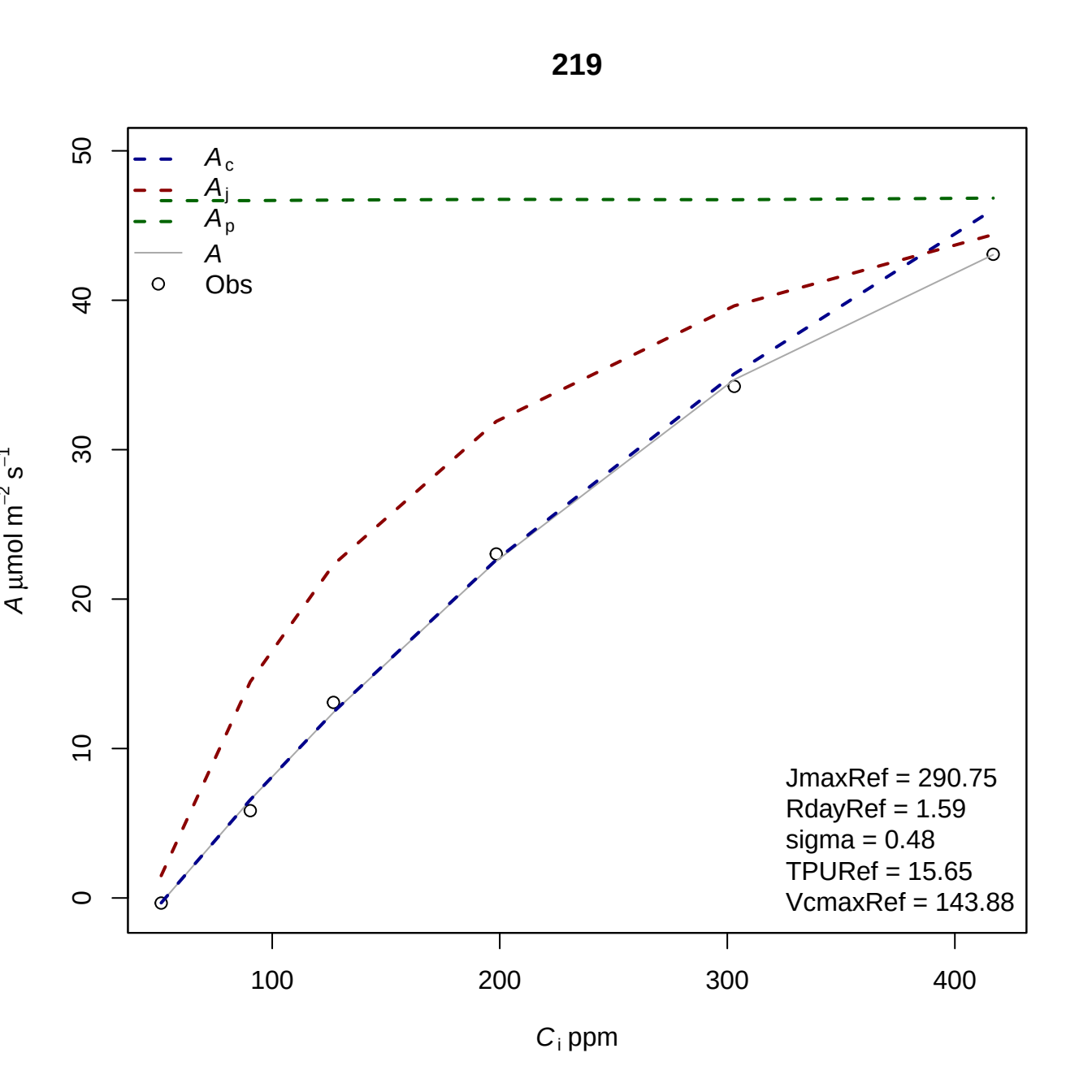

214
A_c
A_j
A_p
A
Obs
JmaxRef = 251.14
RdayRef = 0.77
sigma = 0.36
TPURef = 18.11
VcmaxRef = 126.57
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

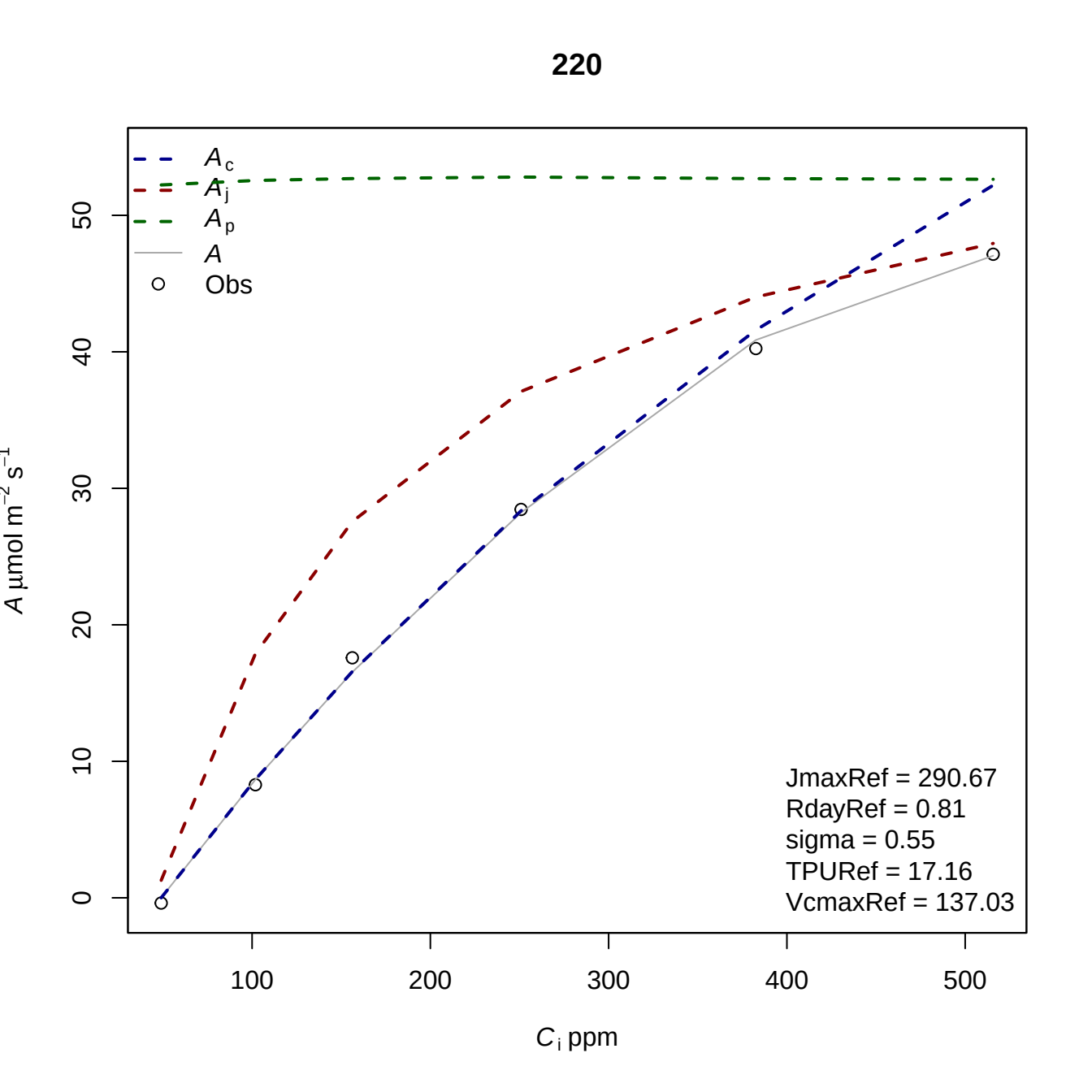

215
A_c
A_j
A_p
A
Obs
JmaxRef = 335.89
RdayRef = 1.85
sigma = 0.25
TPURef = 287272.27
VcmaxRef = 146.96
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

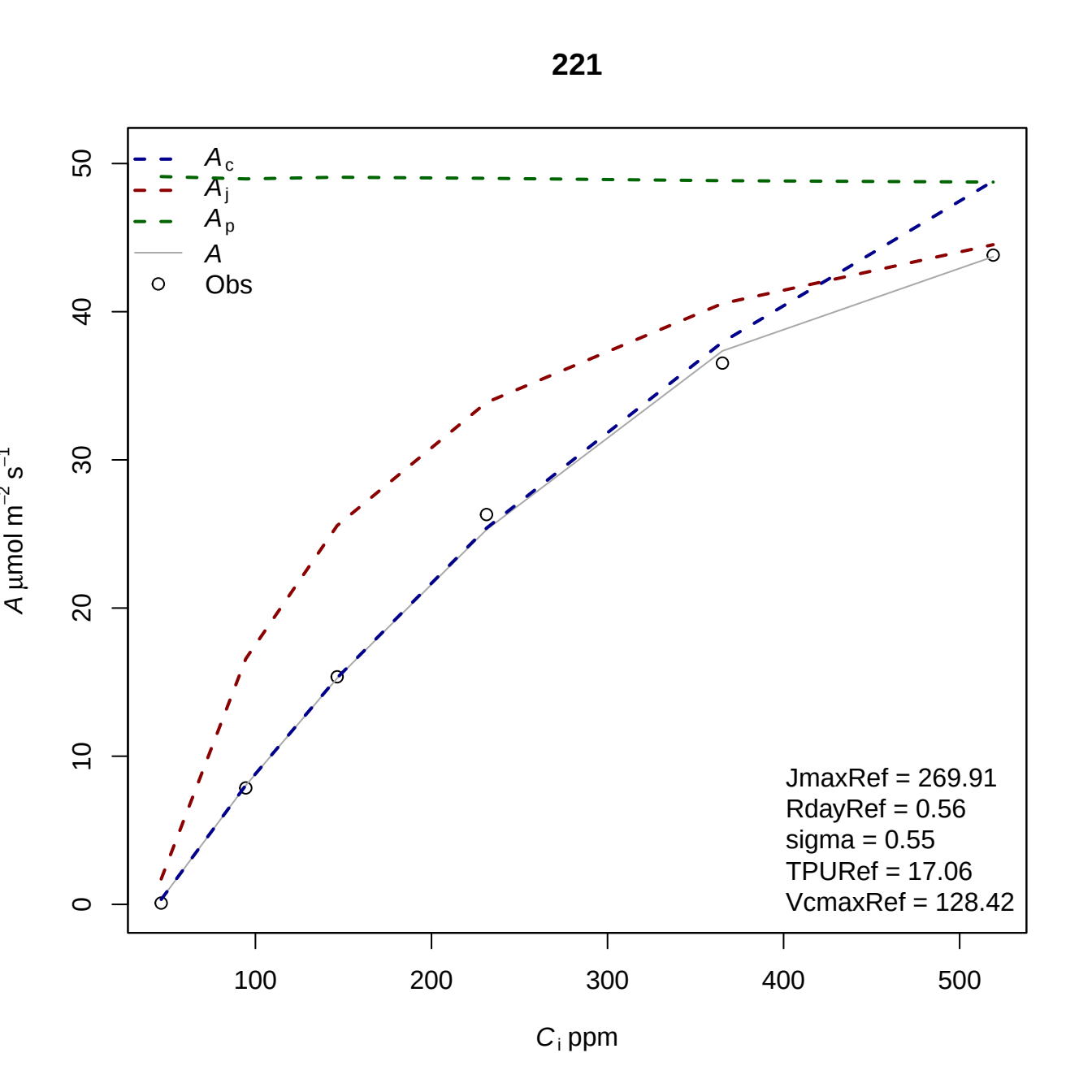

216
A_c
A_j
A_p
A
Obs
JmaxRef = 342.57
RdayRef = 1.24
sigma = 0.39
TPURef = 19.75
VcmaxRef = 157.55
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

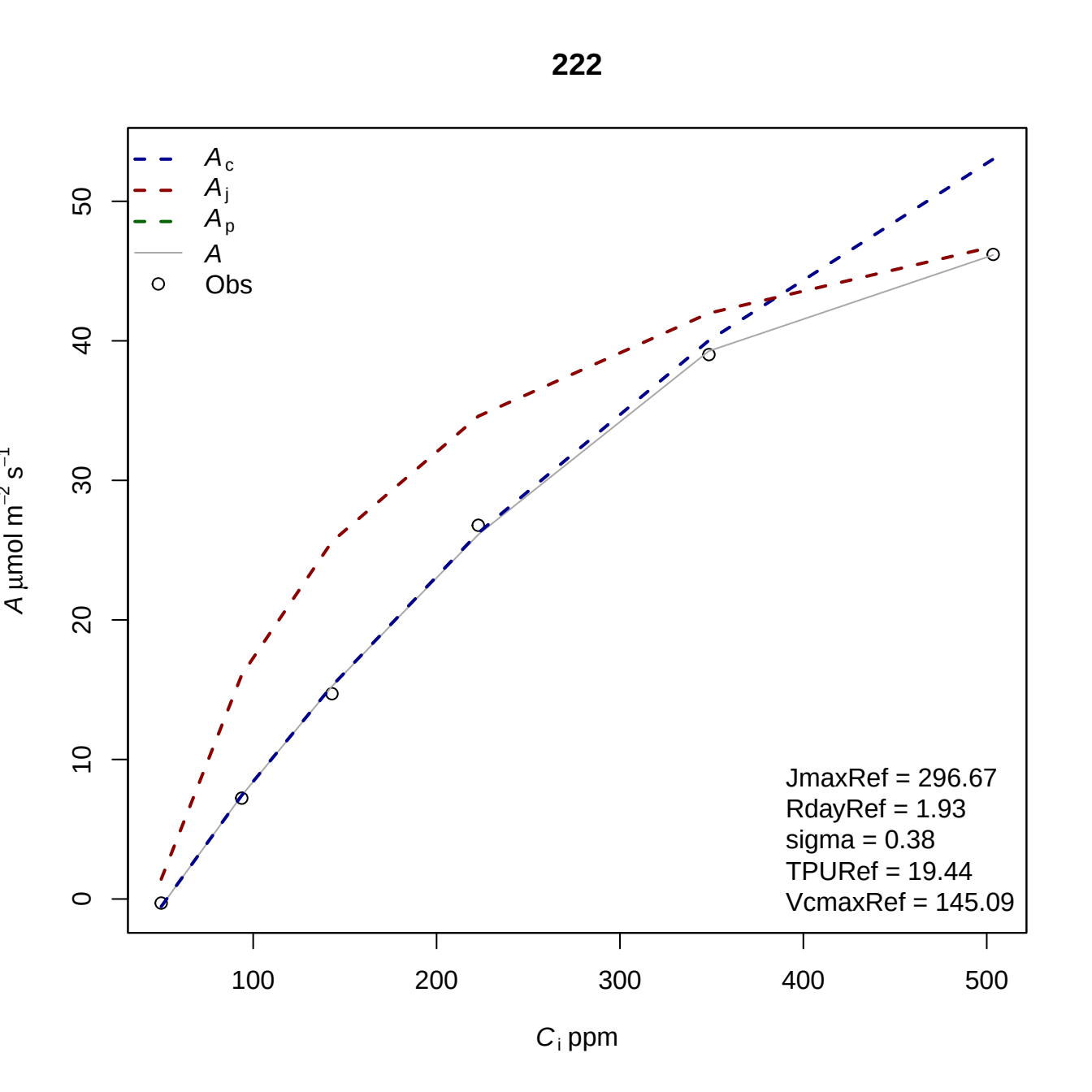

217
A_c
A_j
A_p
A
Obs
JmaxRef = 265.24
RdayRef = 1.93
sigma = 0.15
TPURef = 6558.13
VcmaxRef = 118.78
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

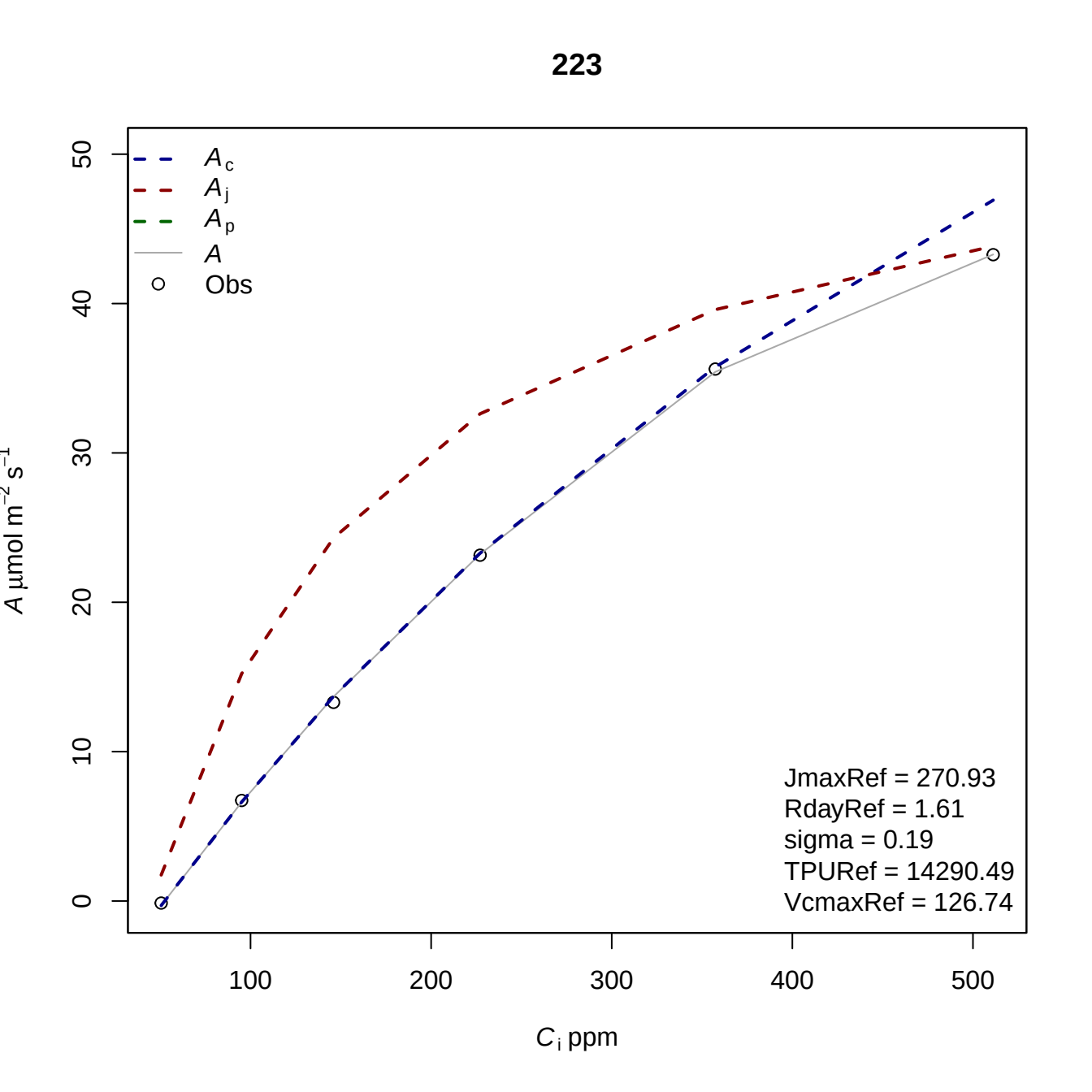

218
A_c
A_j
A_p
A
Obs
JmaxRef = 294.75
RdayRef = 1.23
sigma = 0.39
TPURef = 17.53
VcmaxRef = 129.89
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

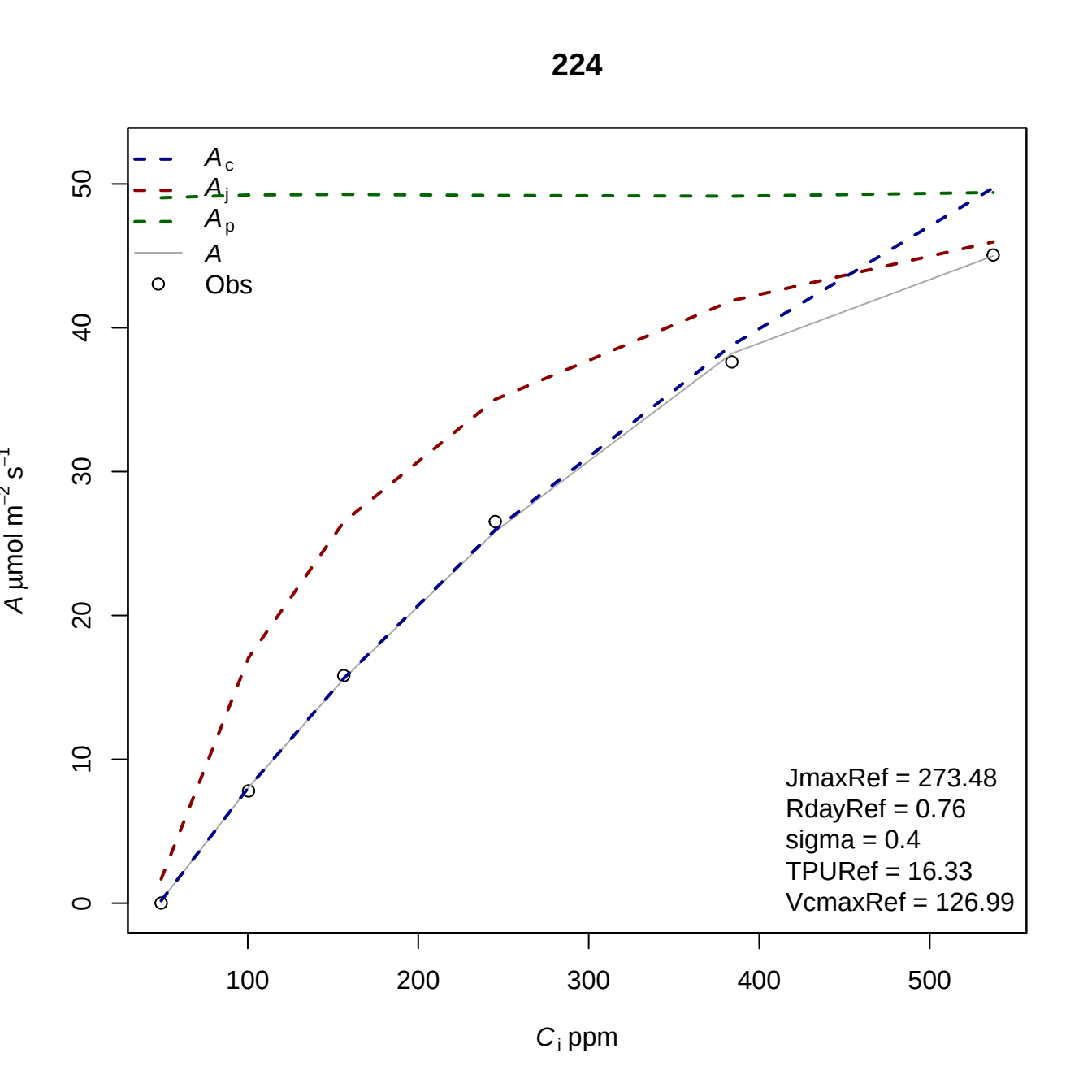

219
A_c
A_j
A_p
A
Obs
JmaxRef = 290.75
RdayRef = 1.59
sigma = 0.48
TPURef = 15.65
VcmaxRef = 143.88
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

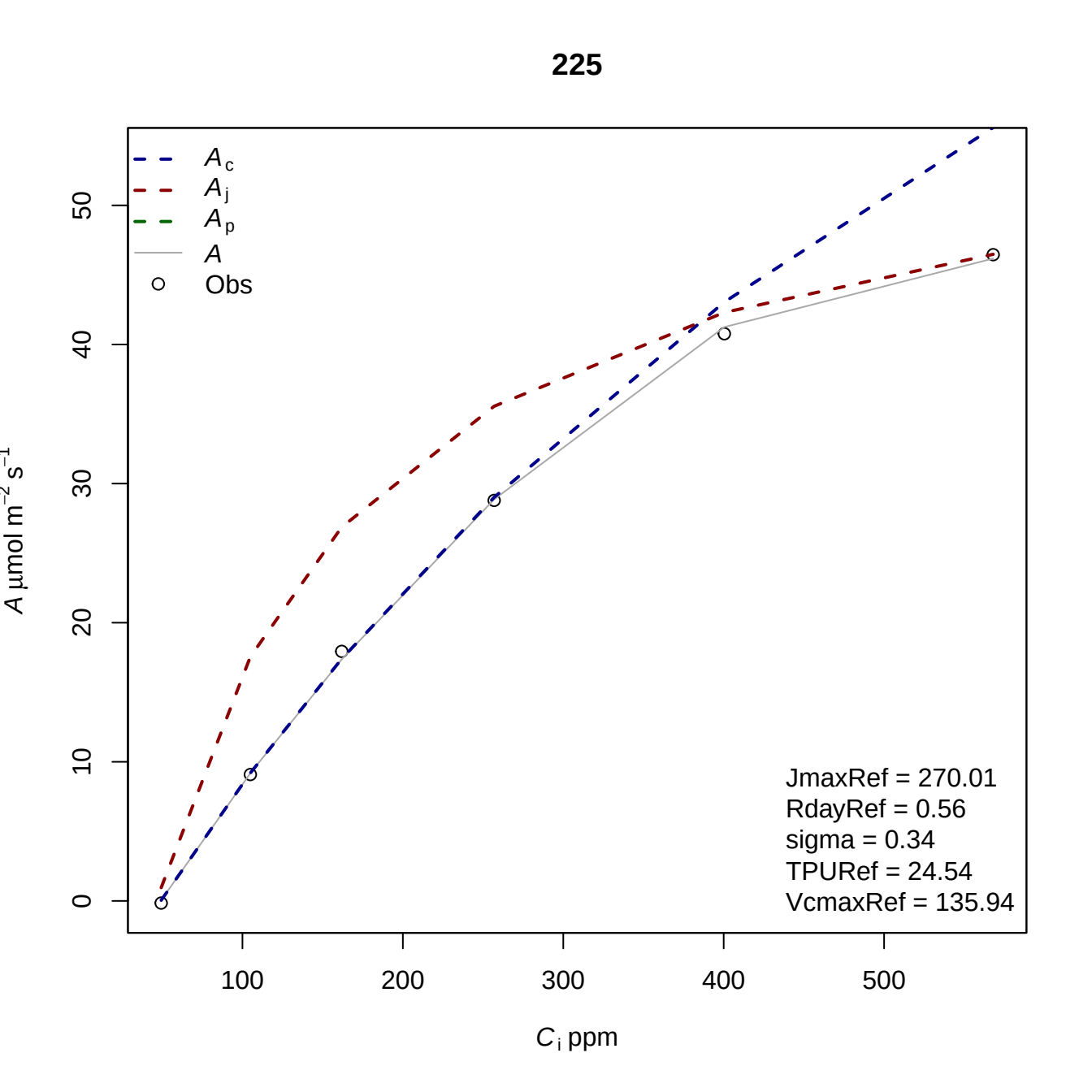

220
A_c
A_j
A_p
A
Obs
JmaxRef = 290.67
RdayRef = 0.81
sigma = 0.55
TPURef = 17.16
VcmaxRef = 137.03
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

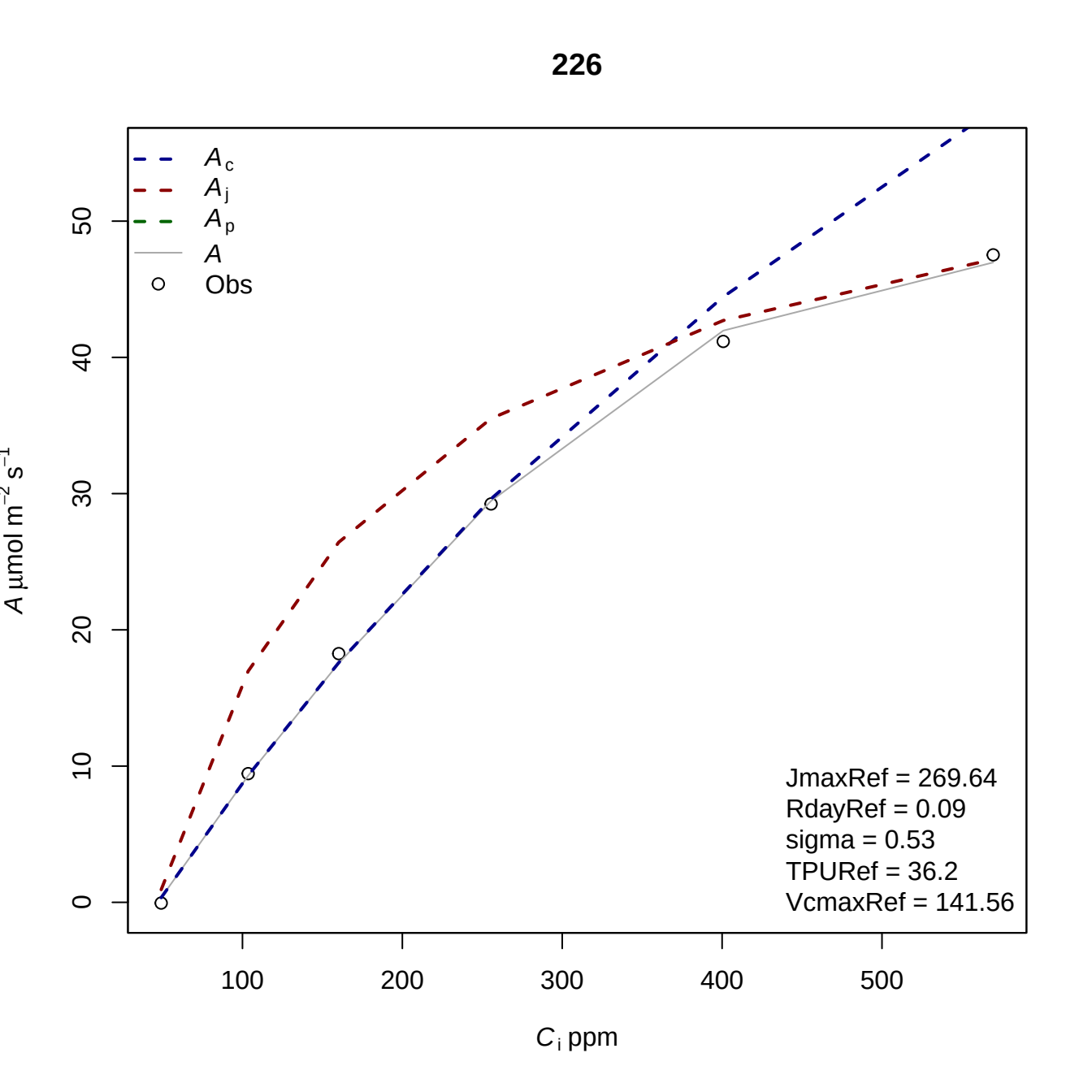

221
A_c
A_j
A_p
A
Obs
JmaxRef = 269.91
RdayRef = 0.56
sigma = 0.55
TPURef = 17.06
VcmaxRef = 128.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

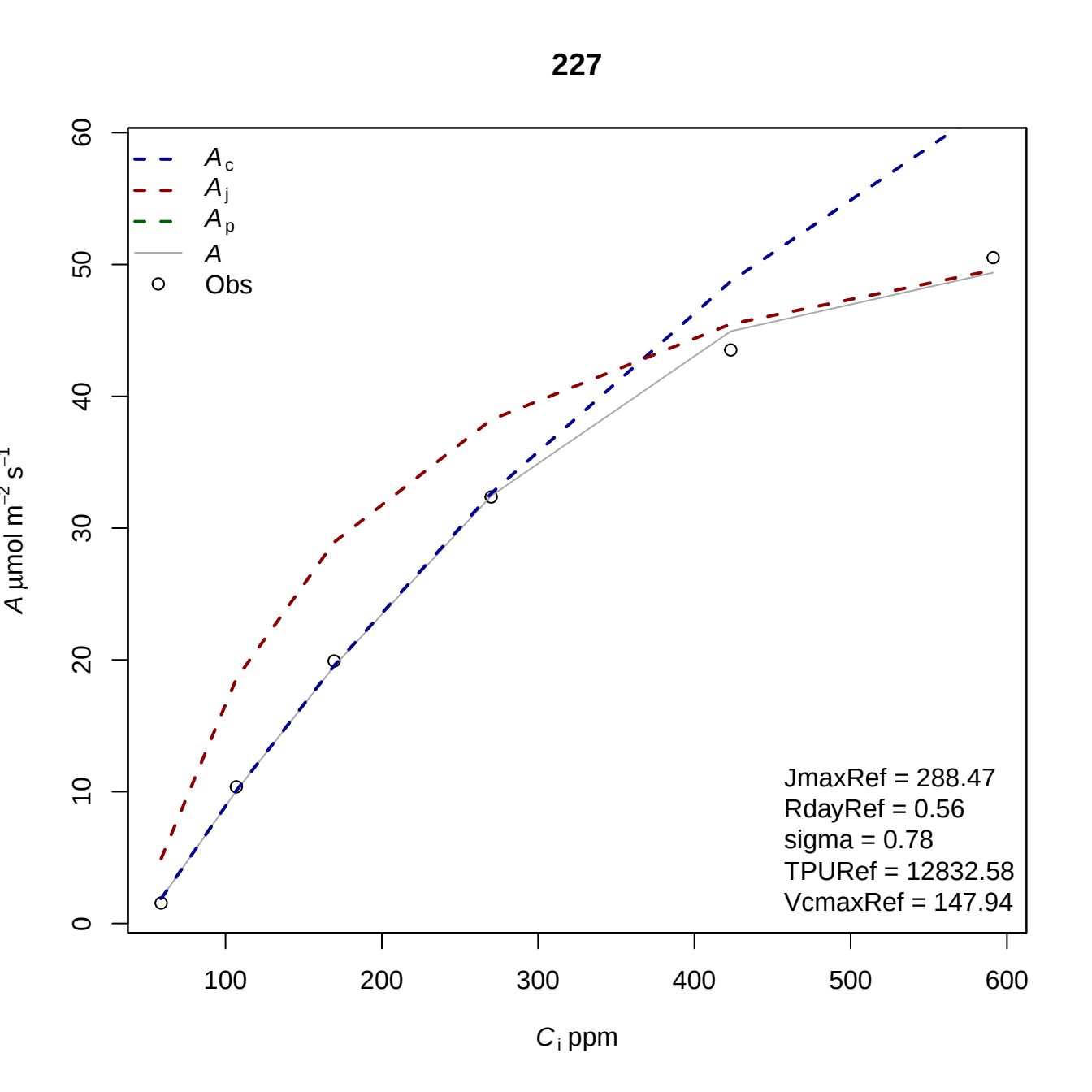

222
A_c
A_j
A_p
A
Obs
JmaxRef = 296.67
RdayRef = 1.93
sigma = 0.38
TPURef = 19.44
VcmaxRef = 145.09
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

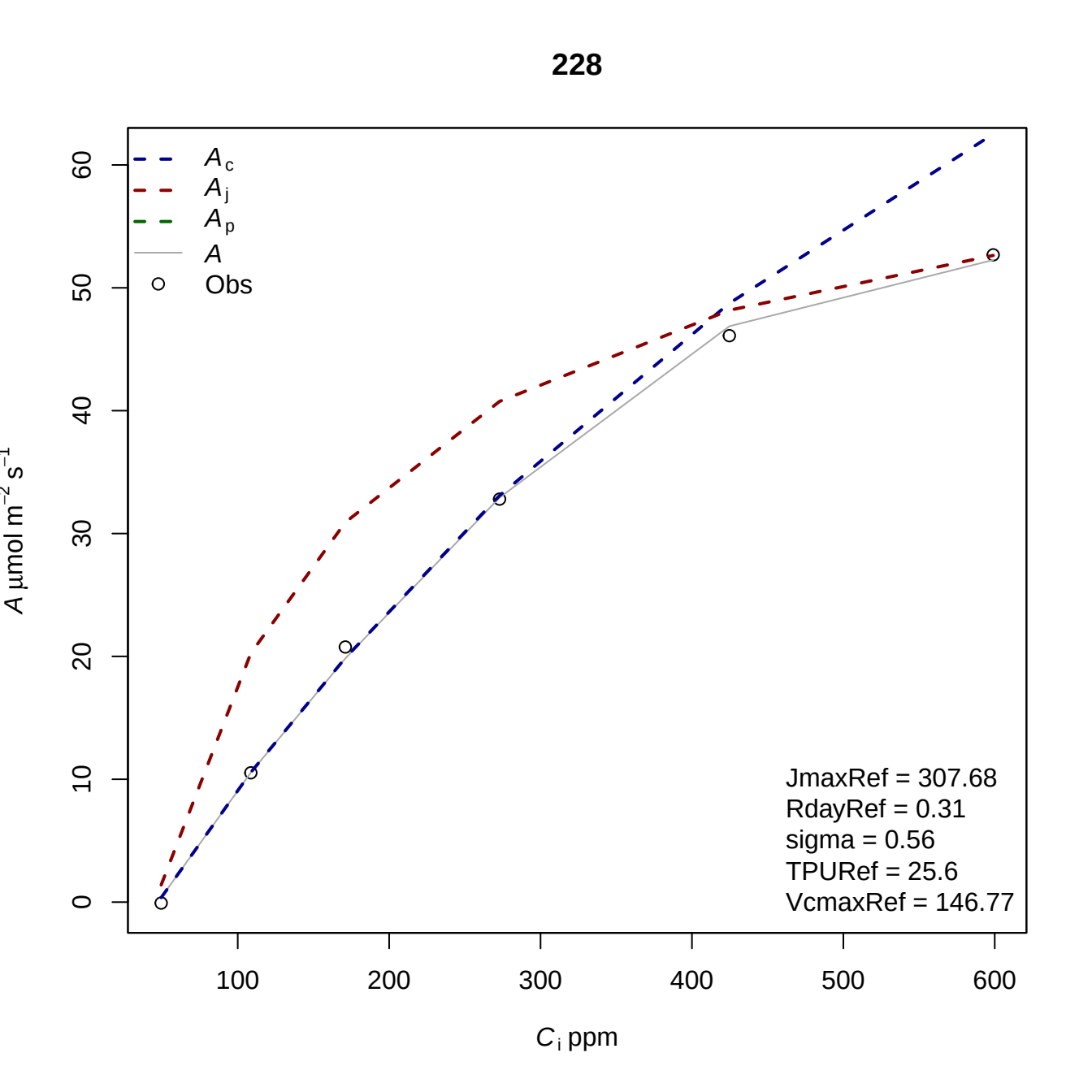

223
A_c
A_j
A_p
A
Obs
JmaxRef = 270.93
RdayRef = 1.61
sigma = 0.19
TPURef = 14290.49
VcmaxRef = 126.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

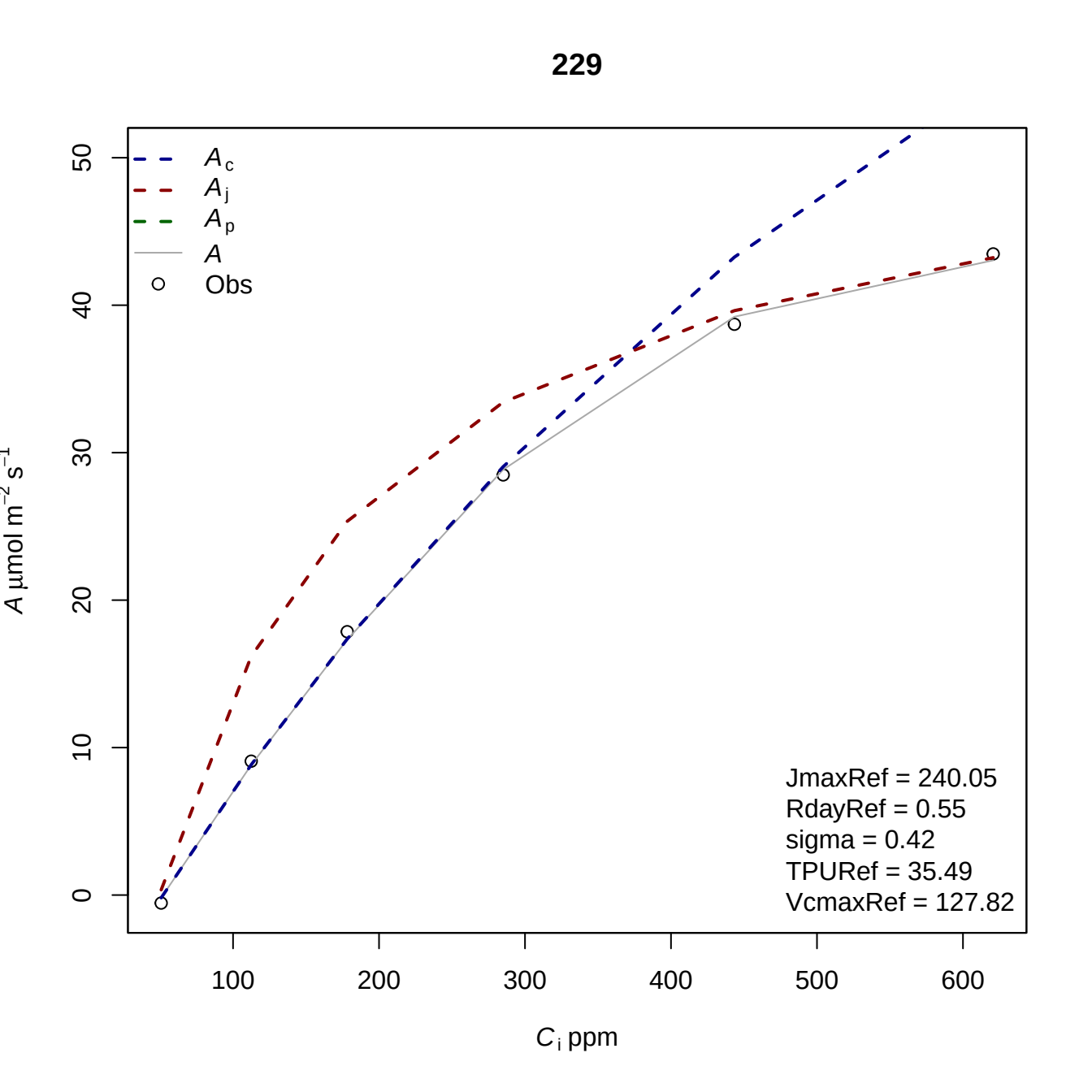

224
A_c
A_j
A_p
A
Obs
JmaxRef = 273.48
RdayRef = 0.76
sigma = 0.4
TPURef = 16.33
VcmaxRef = 126.99
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

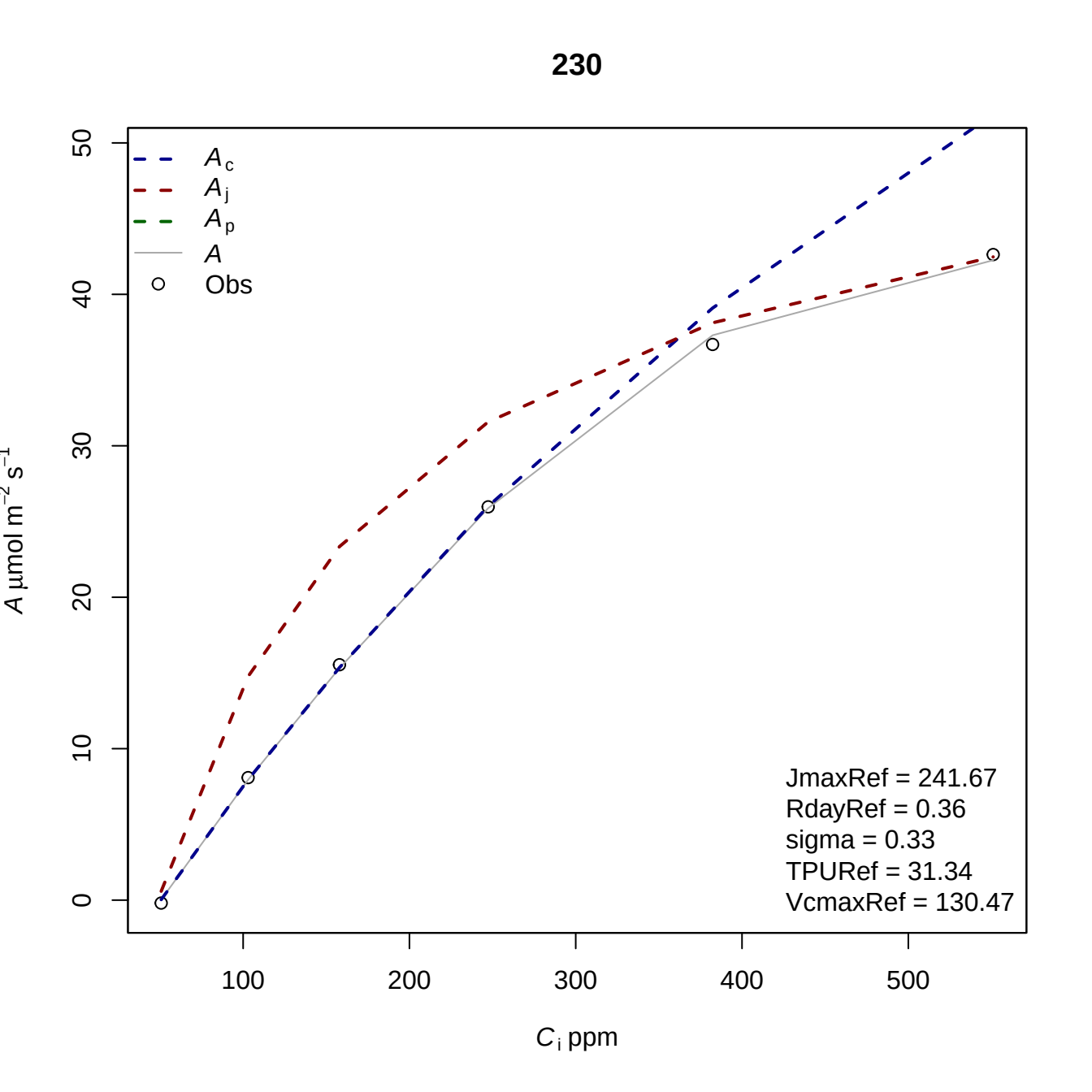

225
A_c
A_j
A_p
A
Obs
JmaxRef = 270.01
RdayRef = 0.56
sigma = 0.34
TPURef = 24.54
VcmaxRef = 135.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

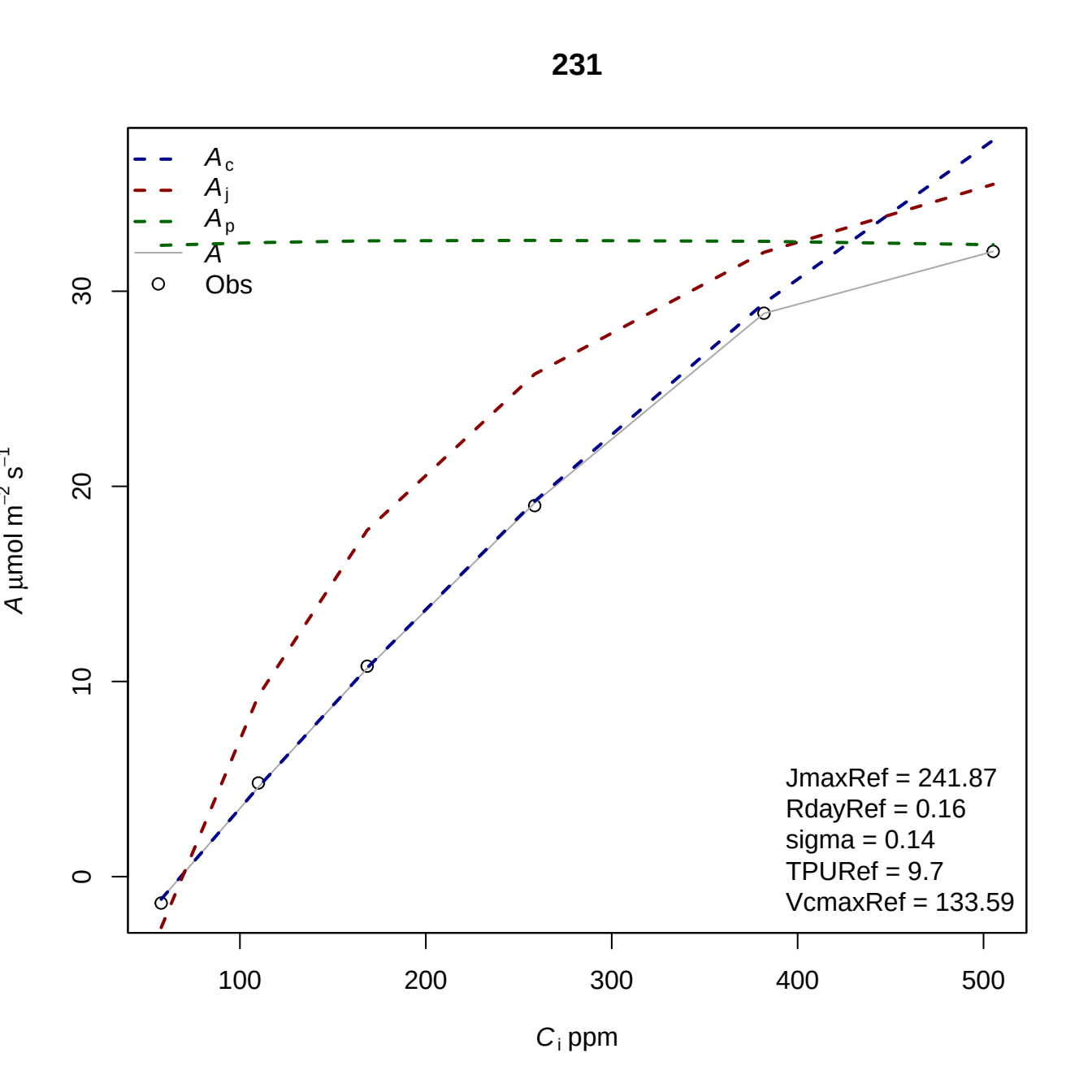

226
A_c
A_j
A_p
A
Obs
JmaxRef = 269.64
RdayRef = 0.09
sigma = 0.53
TPURef = 36.2
VcmaxRef = 141.56
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

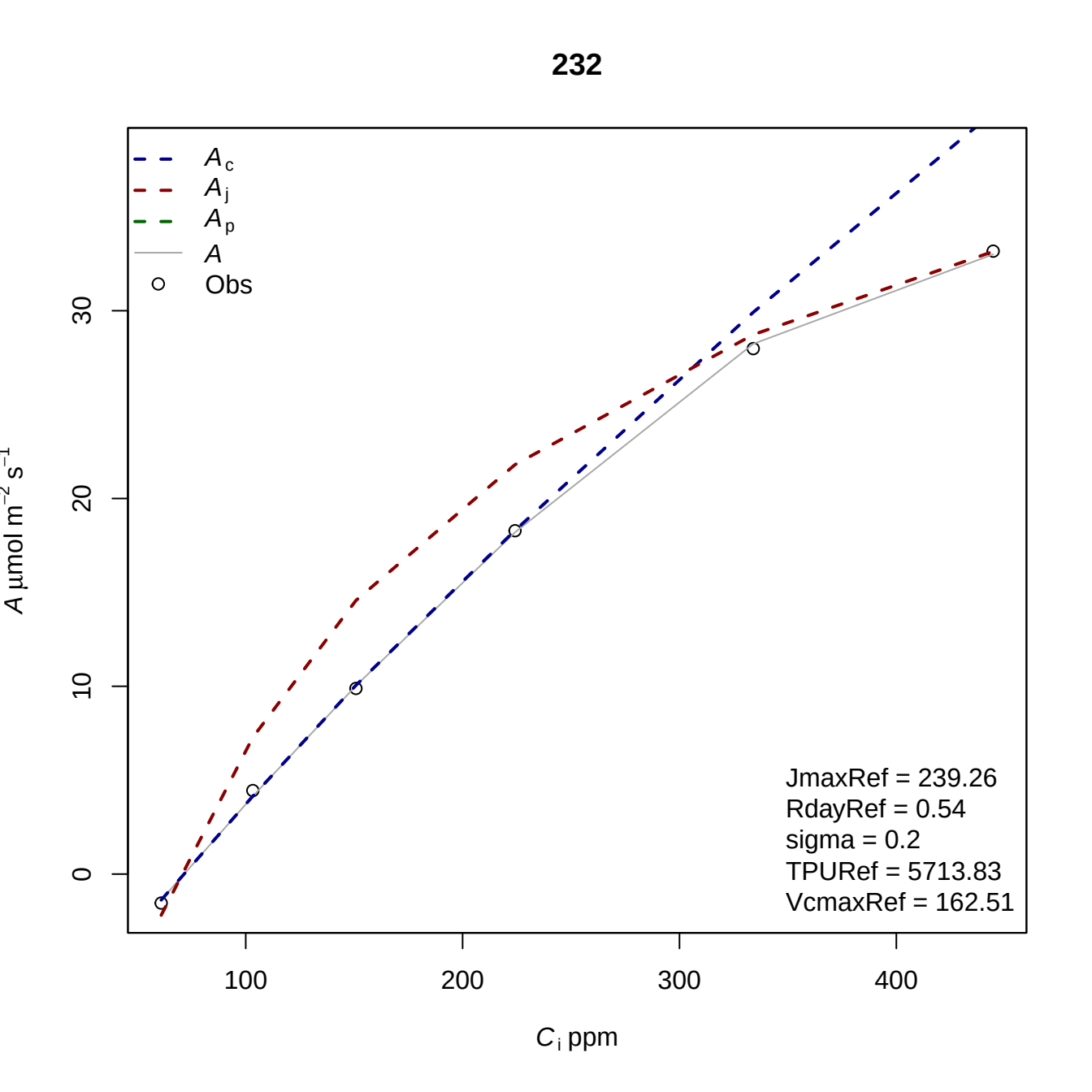

227
A_c
A_j
A_p
A
Obs
JmaxRef = 288.47
RdayRef = 0.56
sigma = 0.78
TPURef = 12832.58
VcmaxRef = 147.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

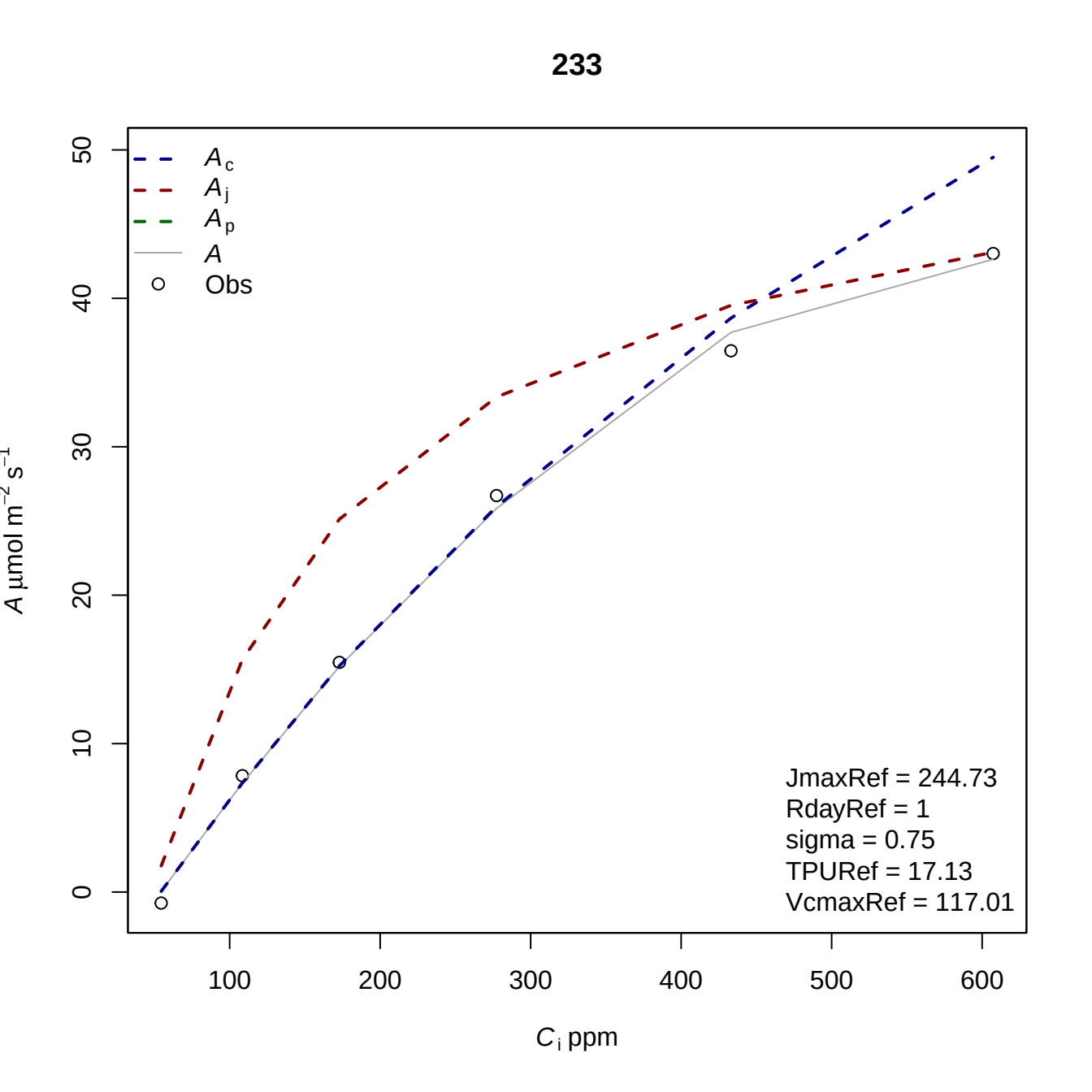

228
A_c
A_j
A_p
A
Obs
JmaxRef = 307.68
RdayRef = 0.31
sigma = 0.56
TPURef = 25.6
VcmaxRef = 146.77
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

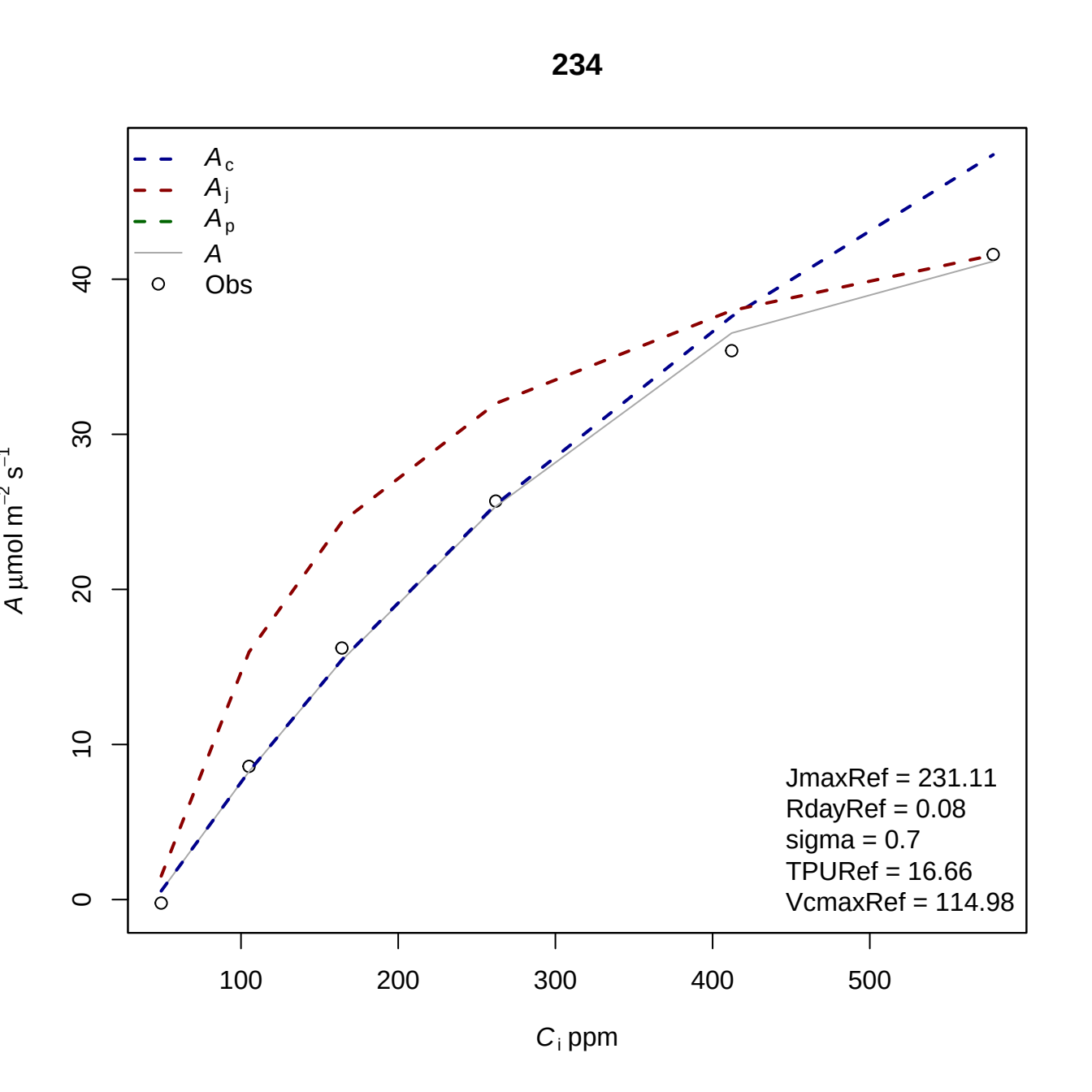

229
A_c
A_j
A_p
A
Obs
JmaxRef = 240.05
RdayRef = 0.55
sigma = 0.42
TPURef = 35.49
VcmaxRef = 127.82
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

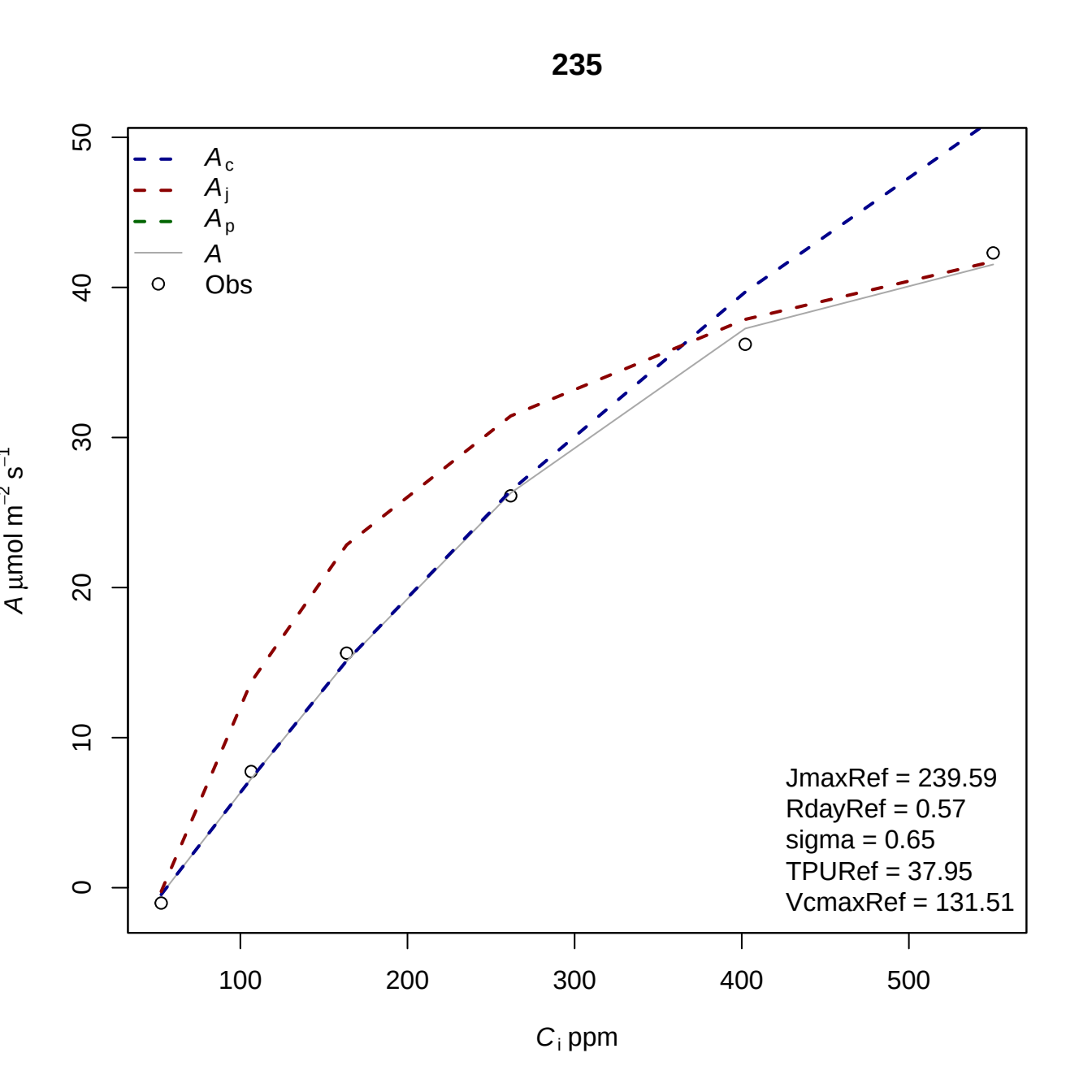

230
A_c
A_j
A_p
A
Obs
JmaxRef = 241.67
RdayRef = 0.36
sigma = 0.33
TPURef = 31.34
VcmaxRef = 130.47
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

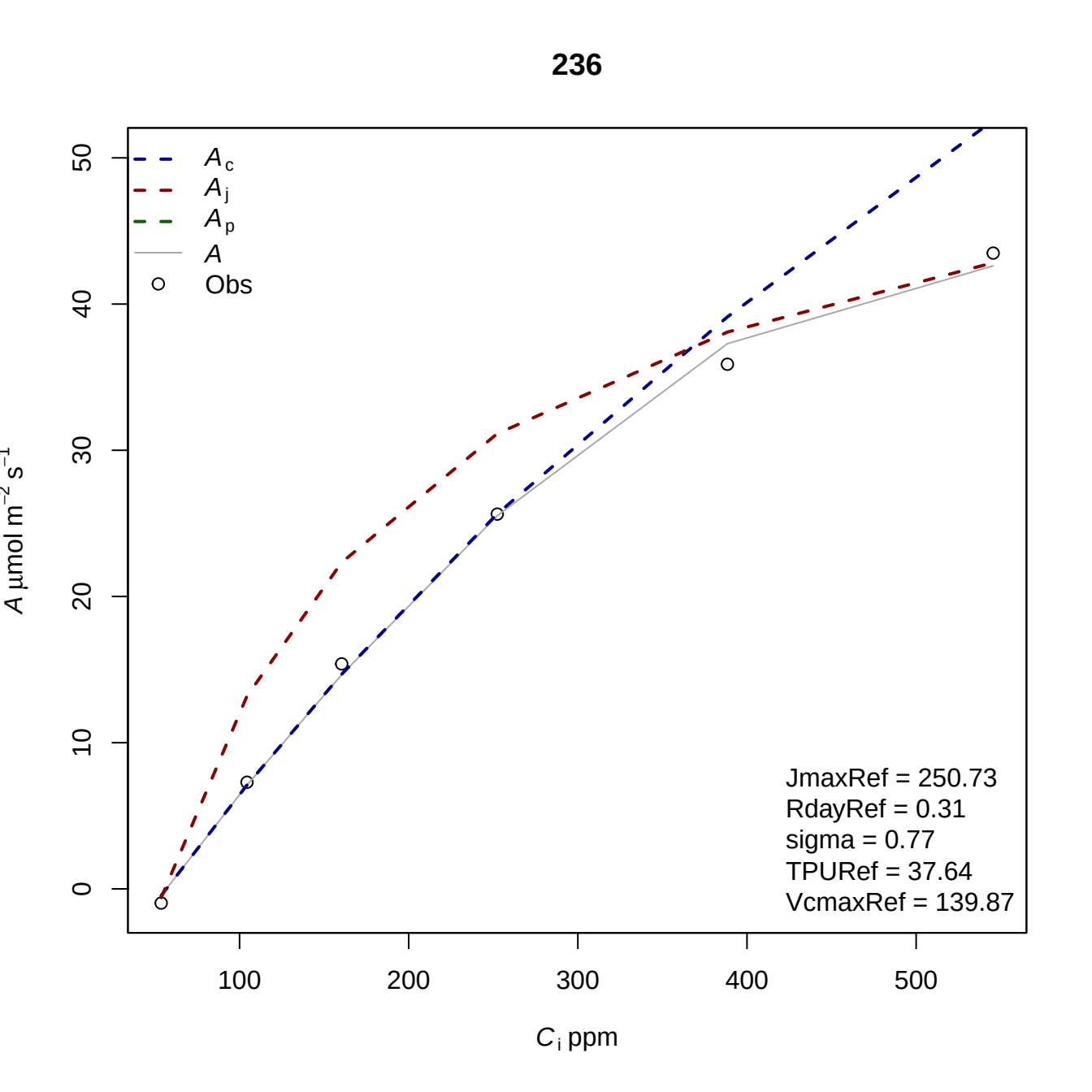

231
A_c
A_j
A_p
A
Obs
JmaxRef = 241.87
RdayRef = 0.16
sigma = 0.14
TPURef = 9.7
VcmaxRef = 133.59
A µmol m^{-2} s^{-1}
0
10
20
30
100
200
300
400
500
C_i ppm

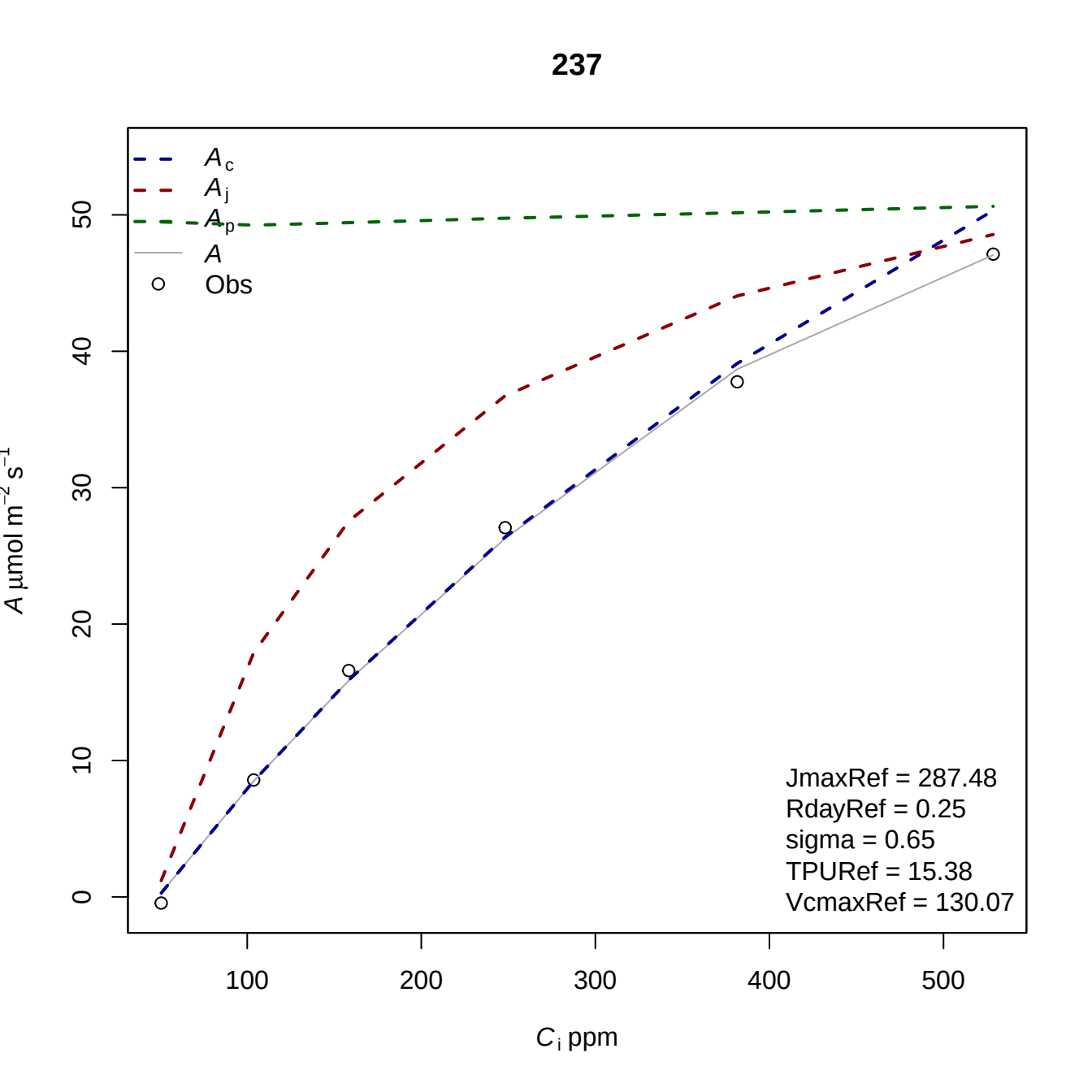

232
A_c
A_j
A_p
A
Obs
JmaxRef = 239.26
RdayRef = 0.54
sigma = 0.2
TPURef = 5713.83
VcmaxRef = 162.51
0
10
20
30
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

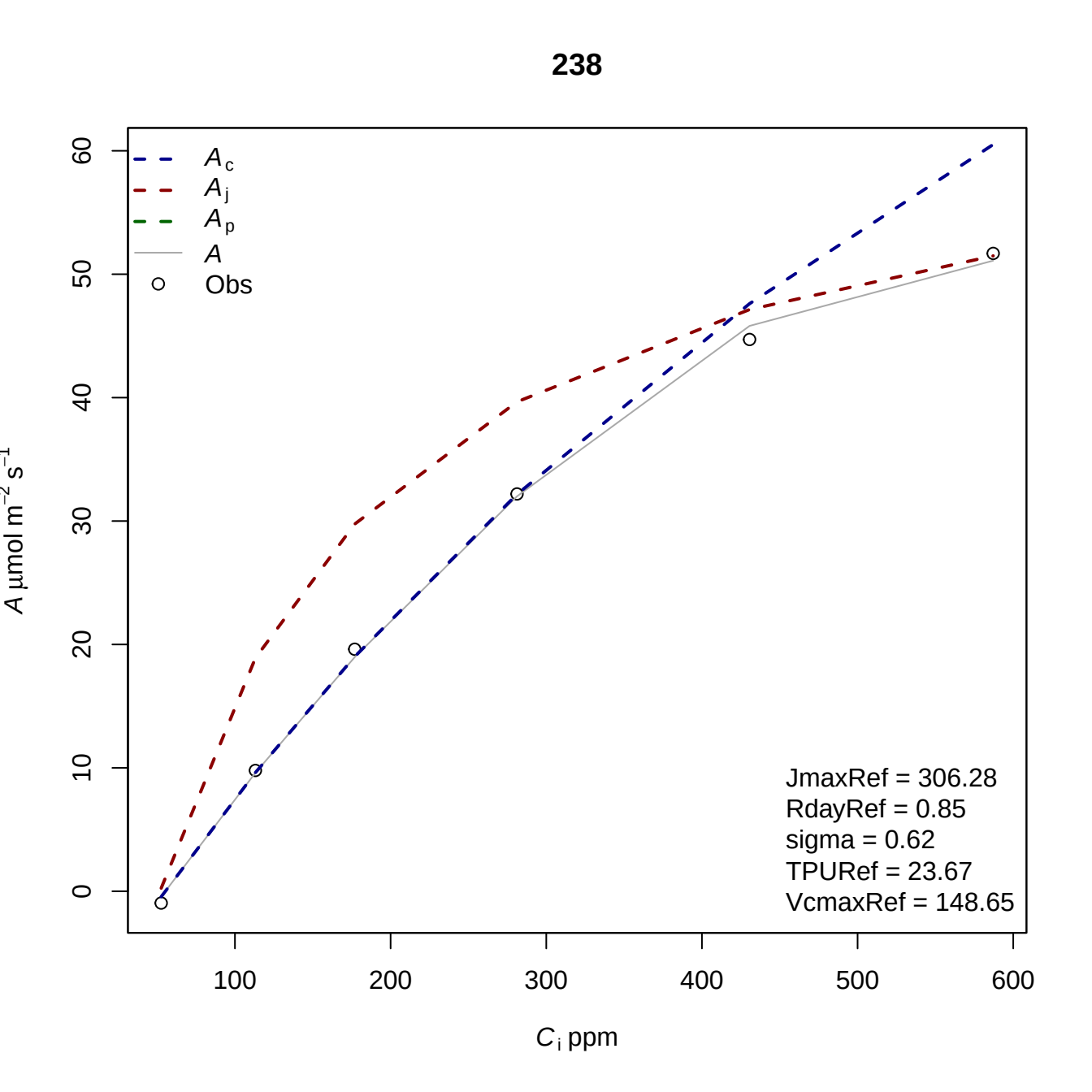

233
A_c
A_j
A_p
A
Obs
JmaxRef = 244.73
RdayRef = 1
sigma = 0.75
TPURef = 17.13
VcmaxRef = 117.01
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

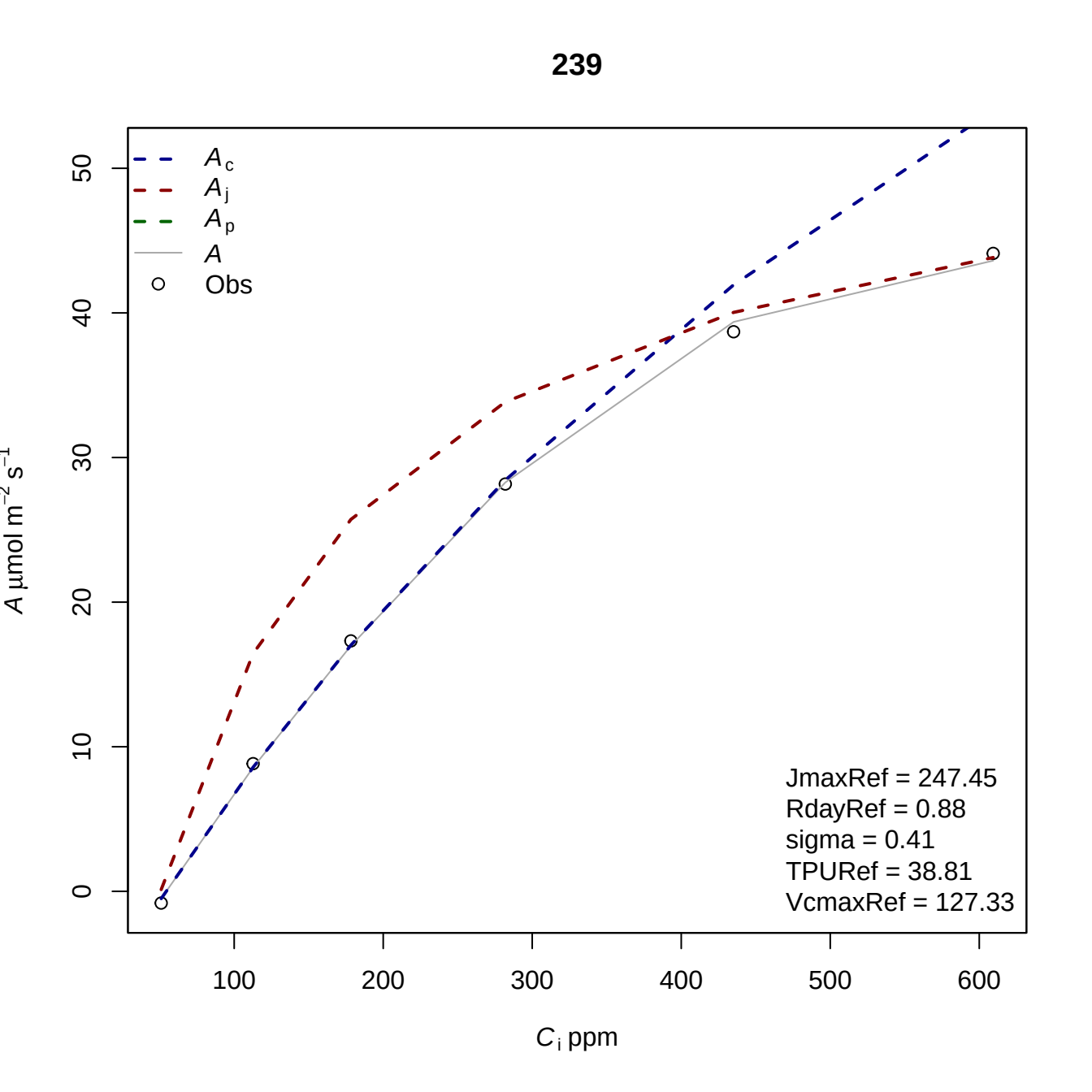

234
A_c
A_j
A_p
A
Obs
JmaxRef = 231.11
RdayRef = 0.08
sigma = 0.7
TPURef = 16.66
VcmaxRef = 114.98
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

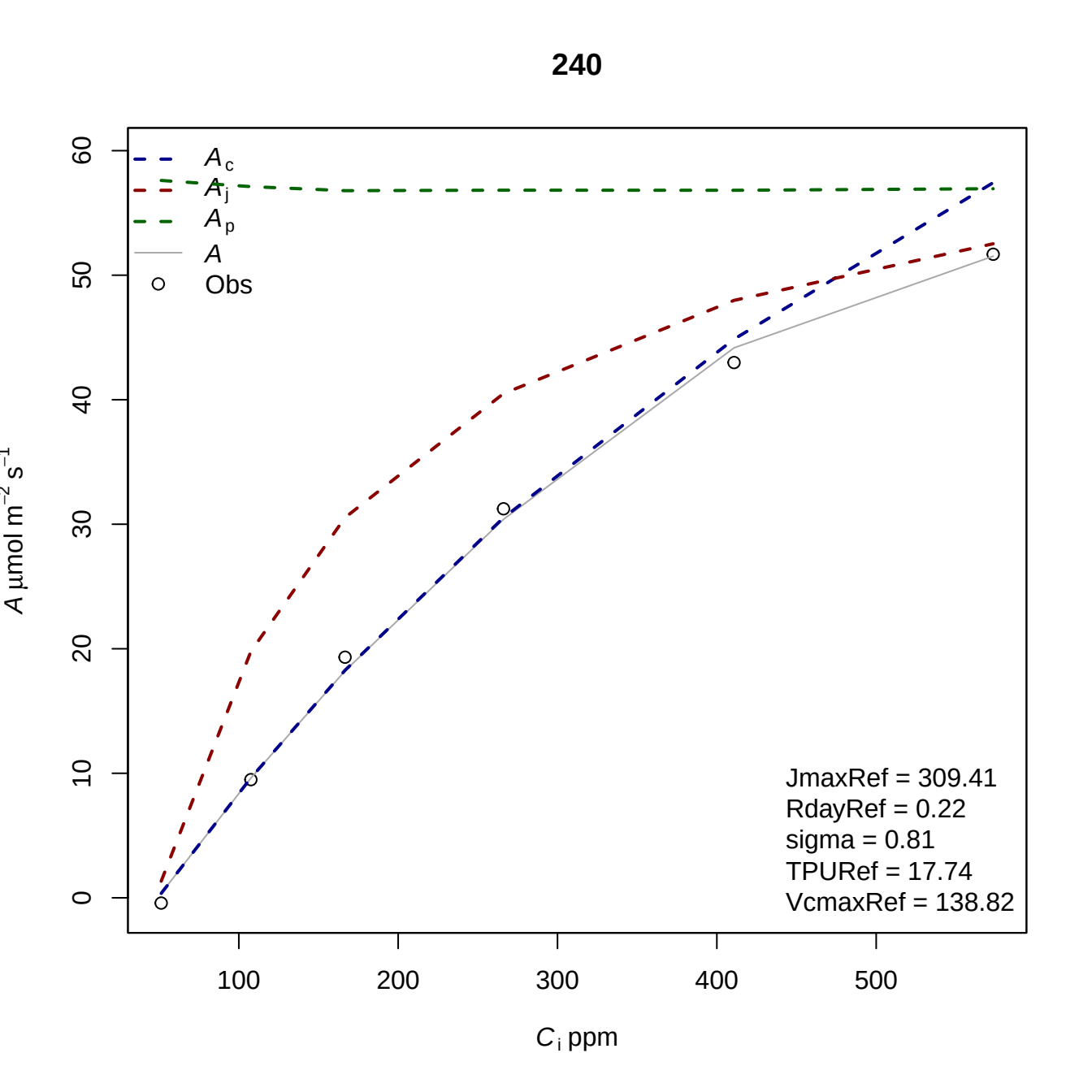

235
A_c
A_j
A_p
A
Obs
JmaxRef = 239.59
RdayRef = 0.57
sigma = 0.65
TPURef = 37.95
VcmaxRef = 131.51
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

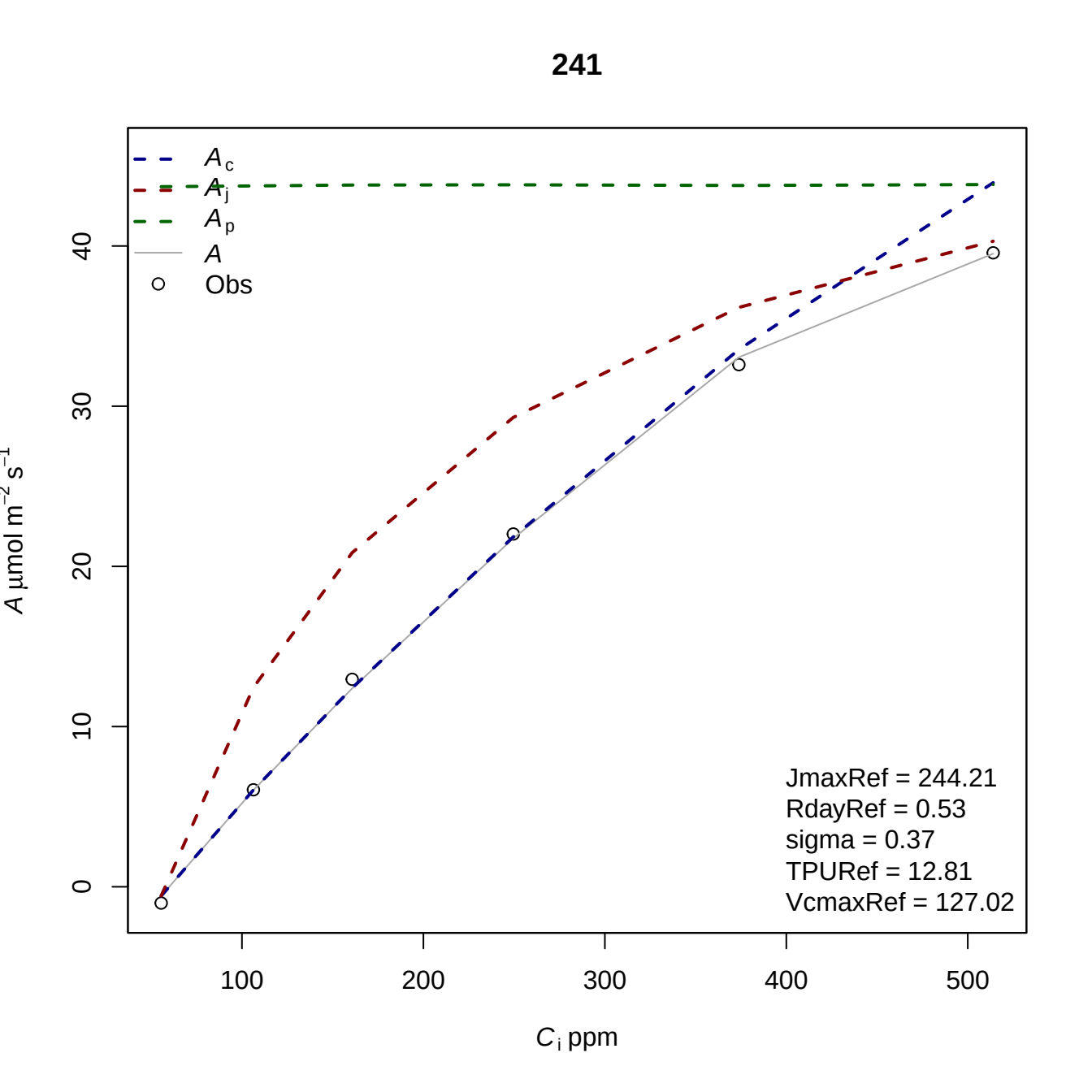

236
A_c
A_j
A_p
A
Obs
JmaxRef = 250.73
RdayRef = 0.31
sigma = 0.77
TPURef = 37.64
VcmaxRef = 139.87
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

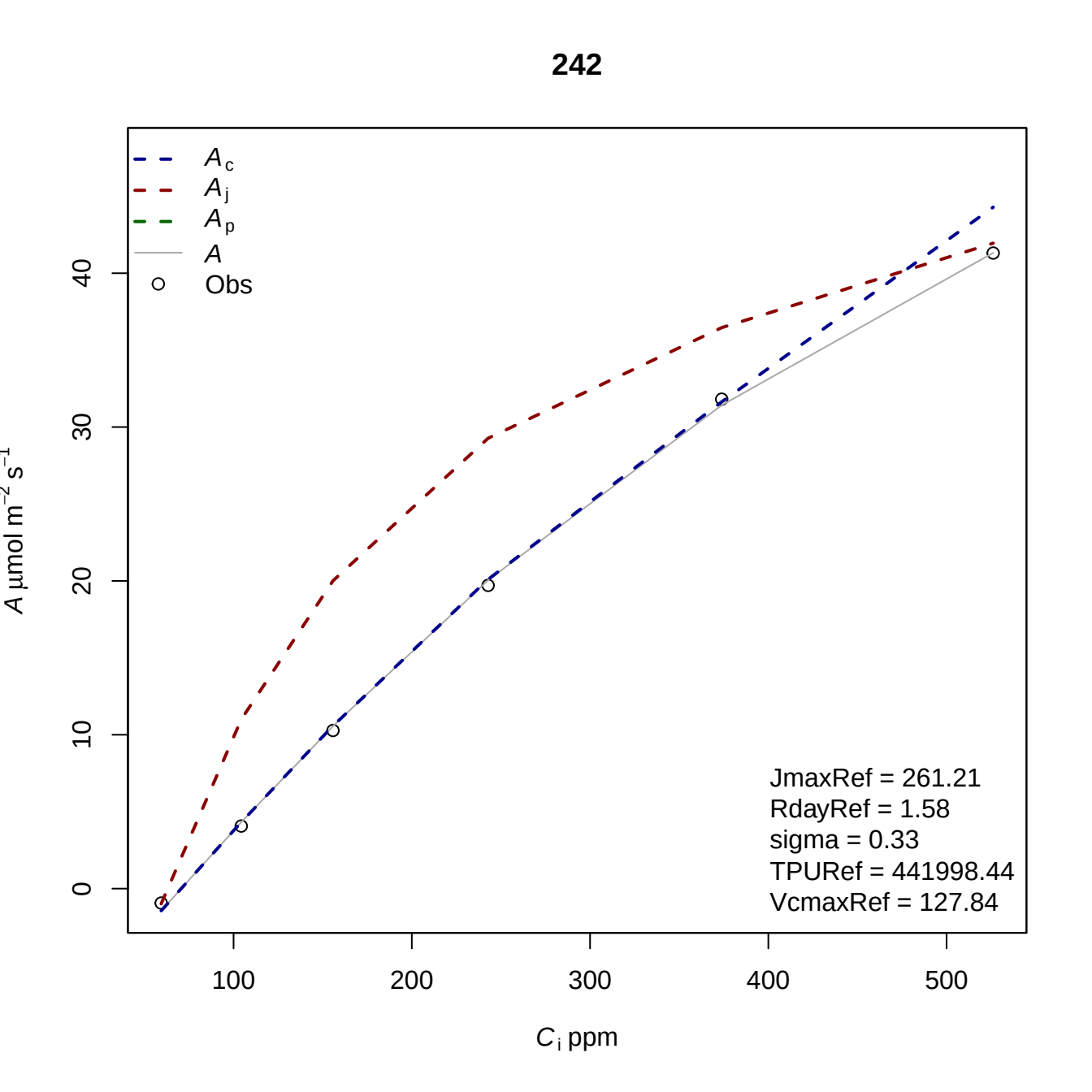

237
A_c
A_j
A_p
A
Obs
JmaxRef = 287.48
RdayRef = 0.25
sigma = 0.65
TPURef = 15.38
VcmaxRef = 130.07
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

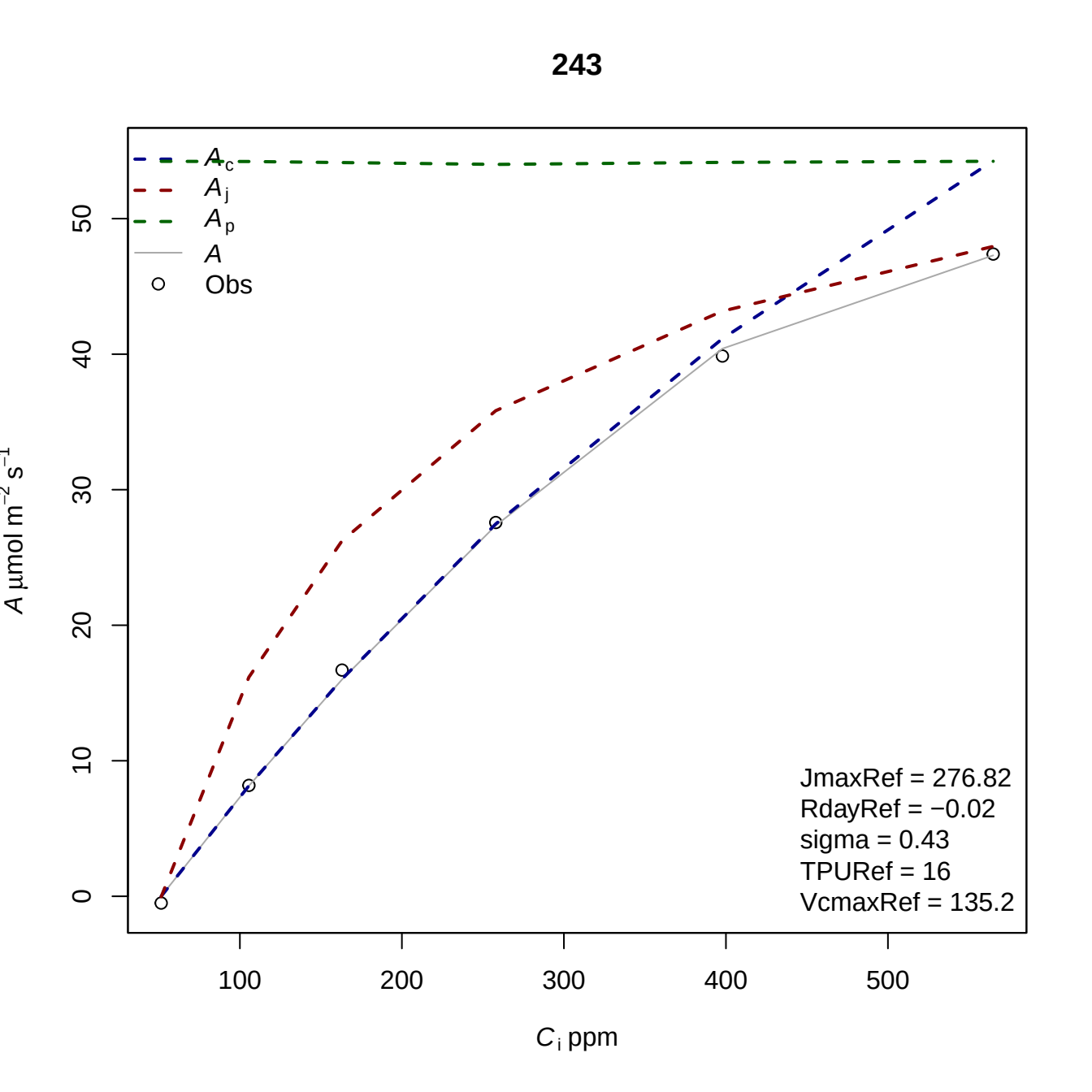

238
A_c
A_j
A_p
A
Obs
JmaxRef = 306.28
RdayRef = 0.85
sigma = 0.62
TPURef = 23.67
VcmaxRef = 148.65
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

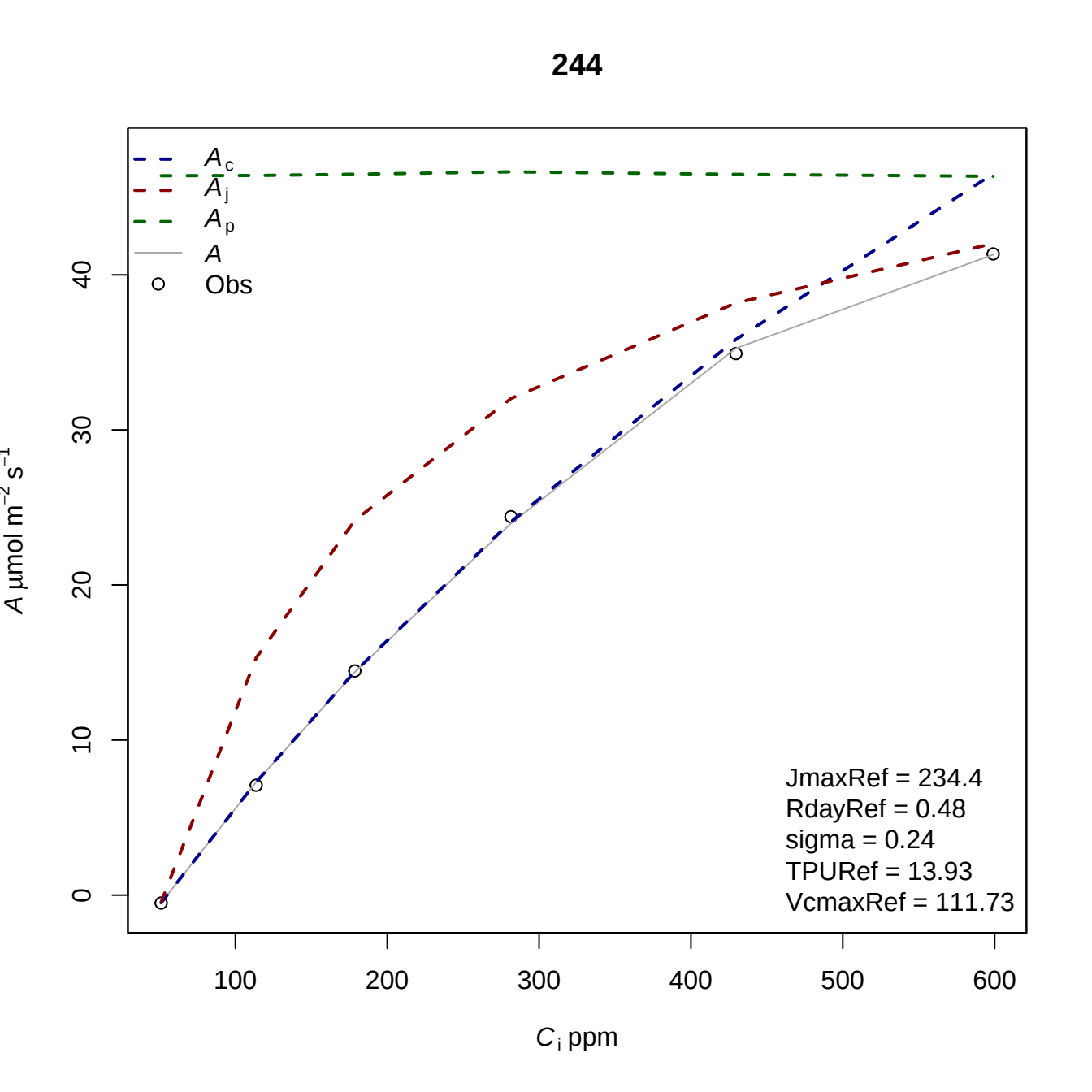

239
A_c
A_j
A_p
A
Obs
JmaxRef = 247.45
RdayRef = 0.88
sigma = 0.41
TPURef = 38.81
VcmaxRef = 127.33
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

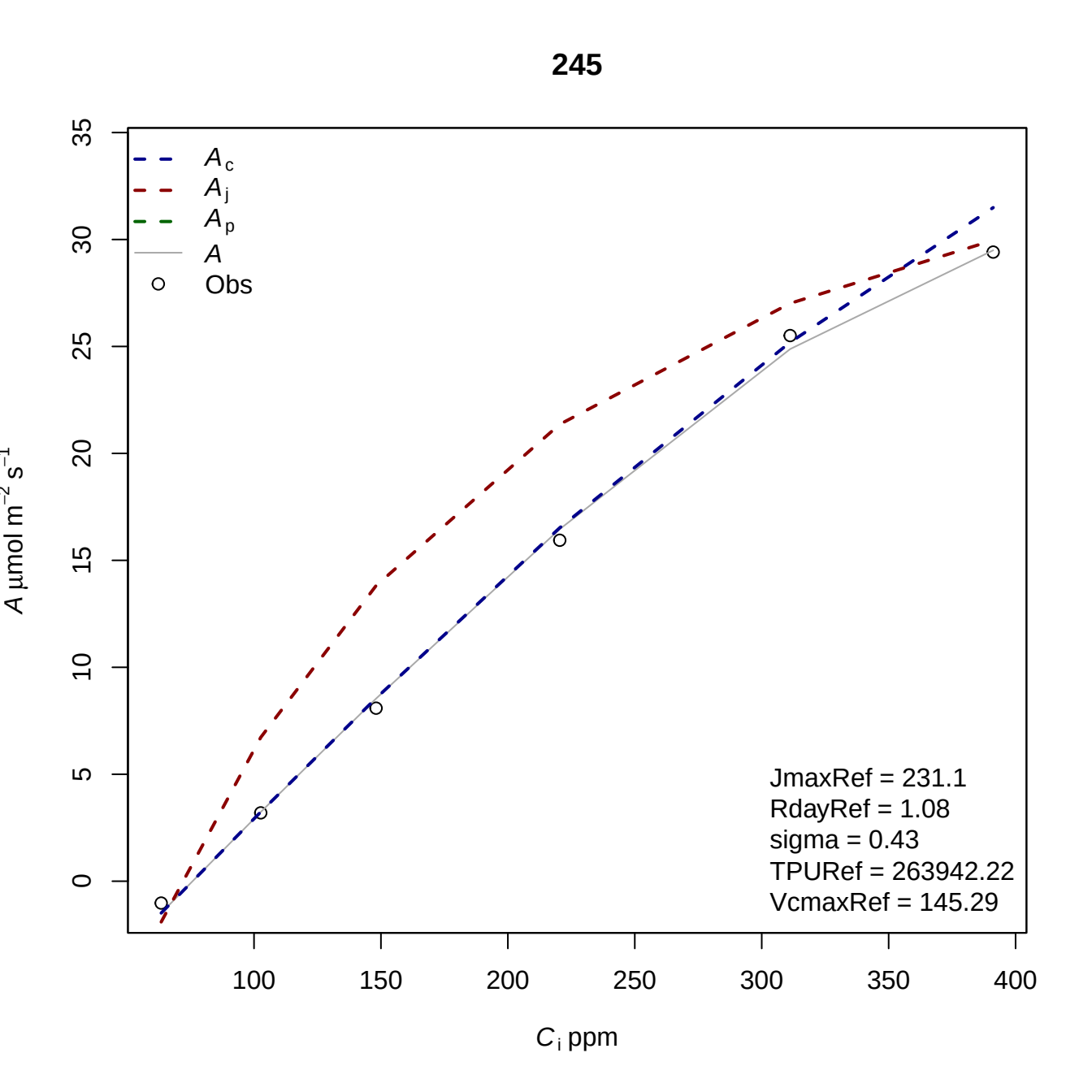

240
A_c
A_j
A_p
A
Obs
JmaxRef = 309.41
RdayRef = 0.22
sigma = 0.81
TPURef = 17.74
VcmaxRef = 138.82
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

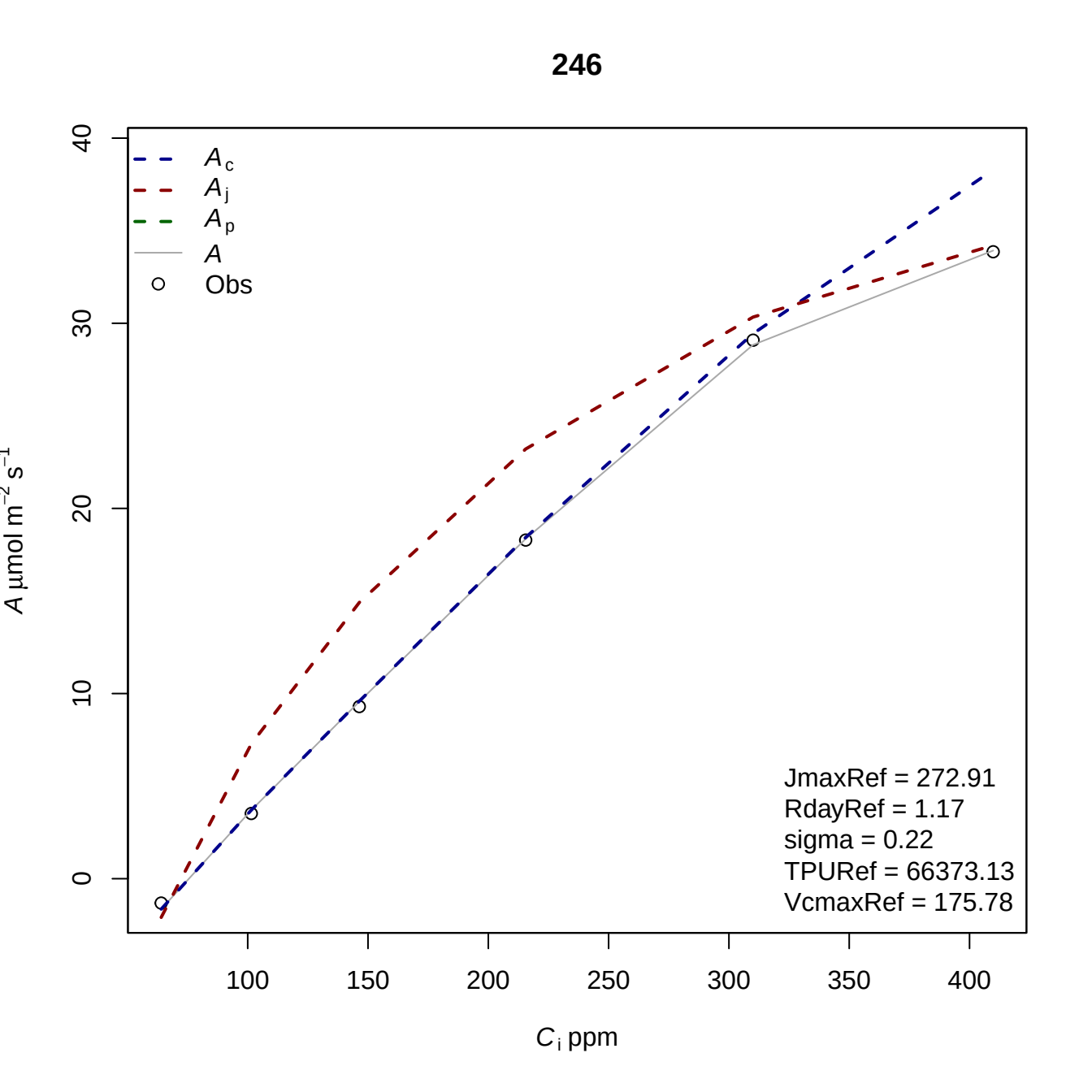

241
A_c
A_j
A_p
A
Obs
JmaxRef = 244.21
RdayRef = 0.53
sigma = 0.37
TPURef = 12.81
VcmaxRef = 127.02
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

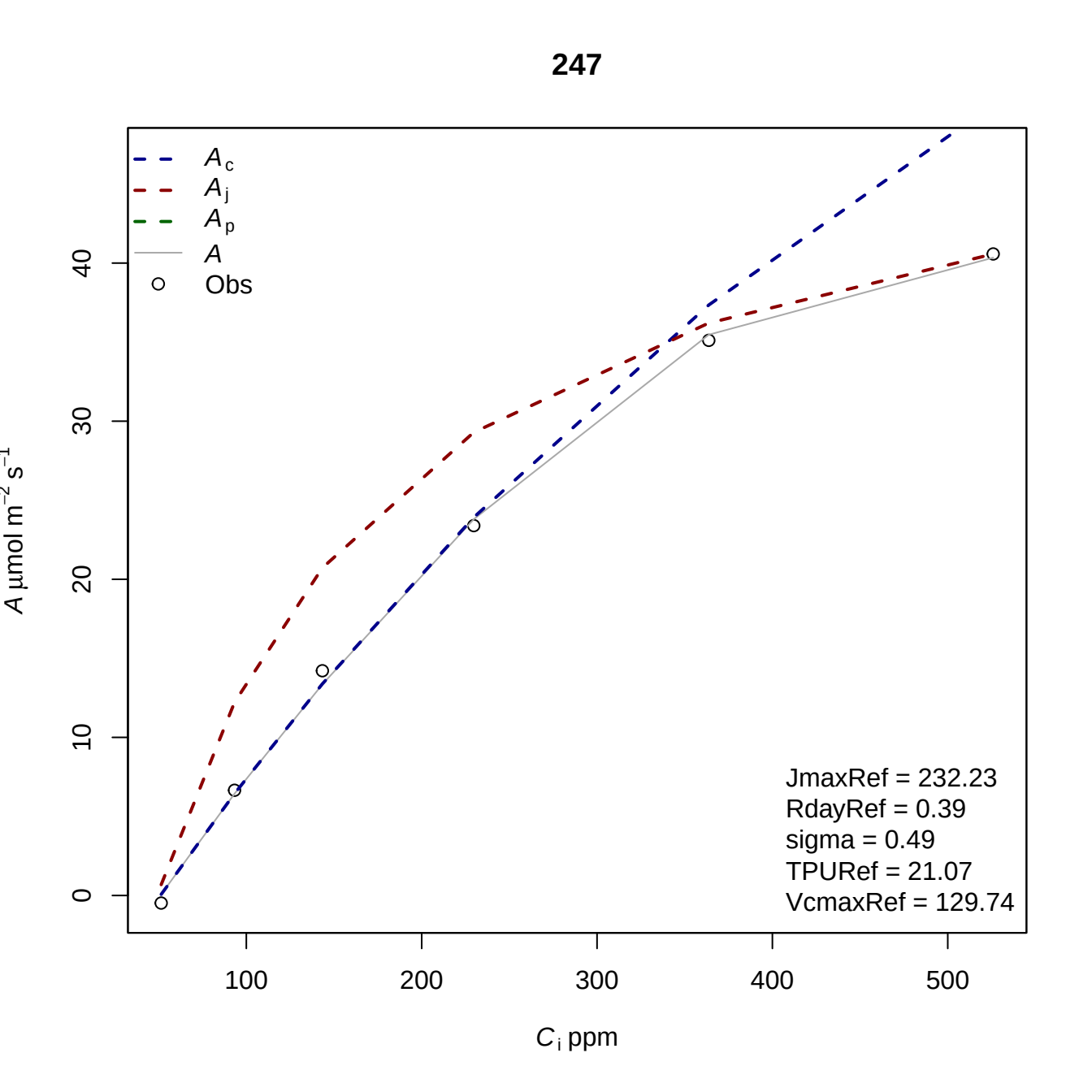

242
A_c
A_j
A_p
A
Obs
JmaxRef = 261.21
RdayRef = 1.58
sigma = 0.33
TPURef = 441998.44
VcmaxRef = 127.84
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
C_i ppm

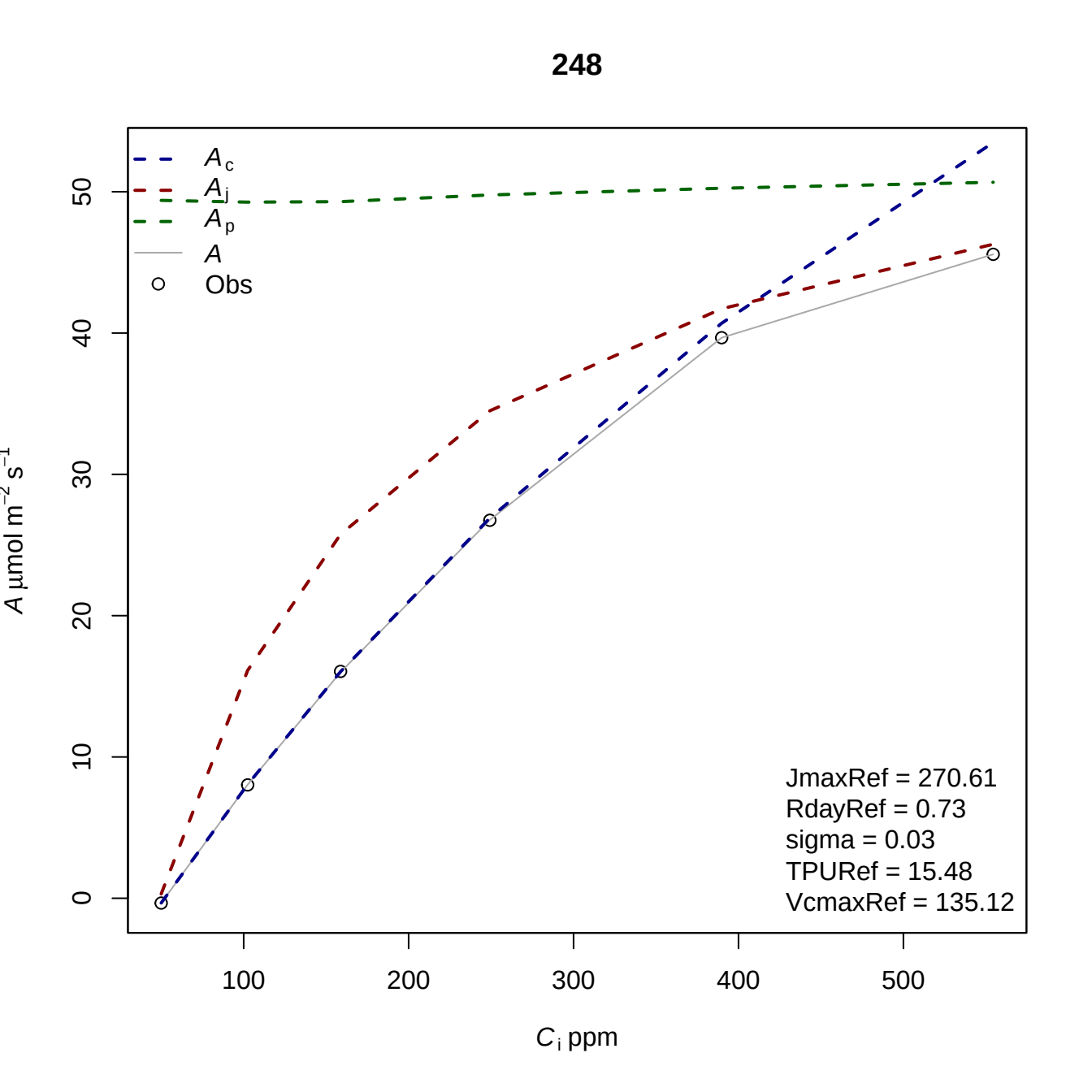

243
A_c
A_j
A_p
A
Obs
JmaxRef = 276.82
RdayRef = −0.02
sigma = 0.43
TPURef = 16
VcmaxRef = 135.2
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

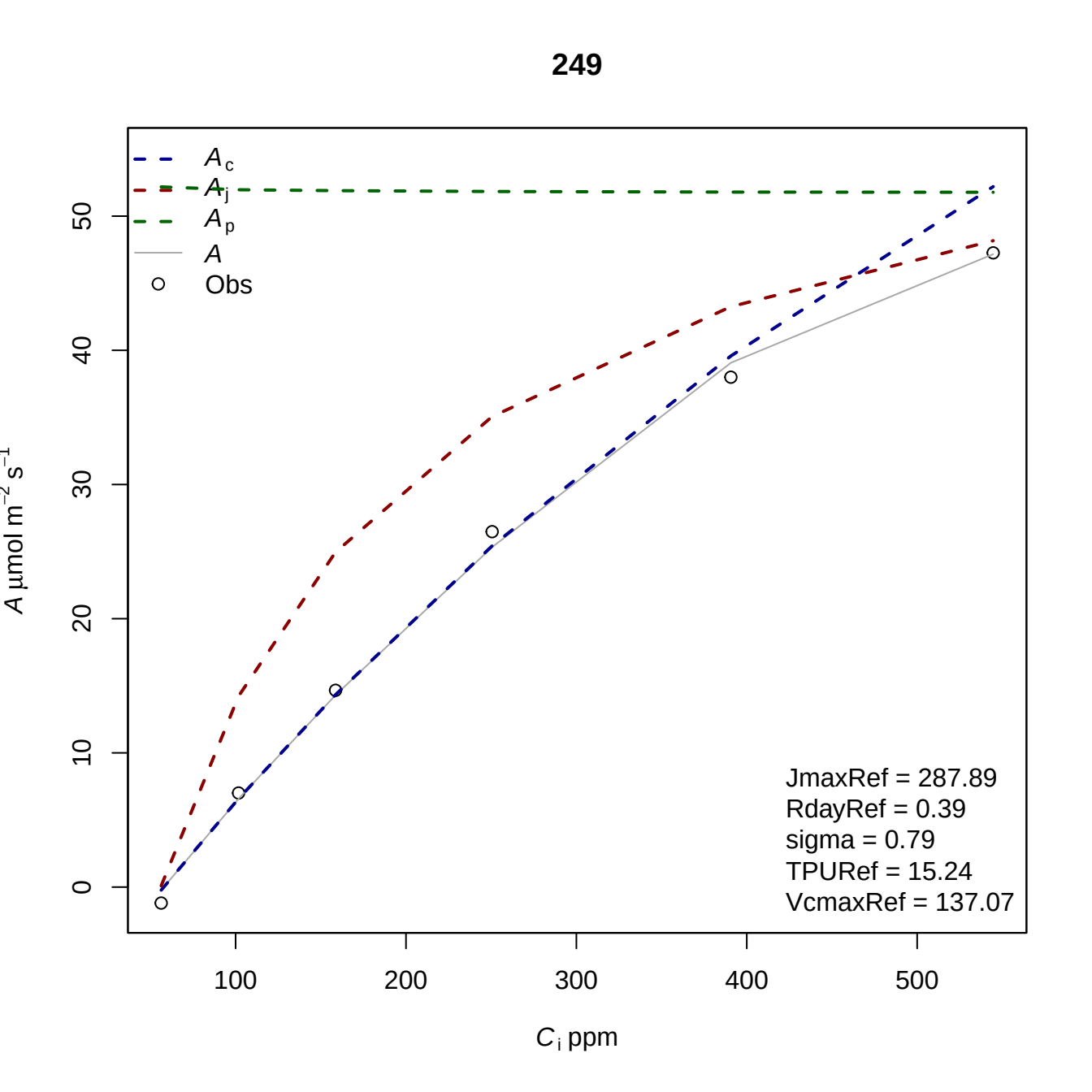

244
A_c
A_j
A_p
A
Obs
JmaxRef = 234.4
RdayRef = 0.48
sigma = 0.24
TPURef = 13.93
VcmaxRef = 111.73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

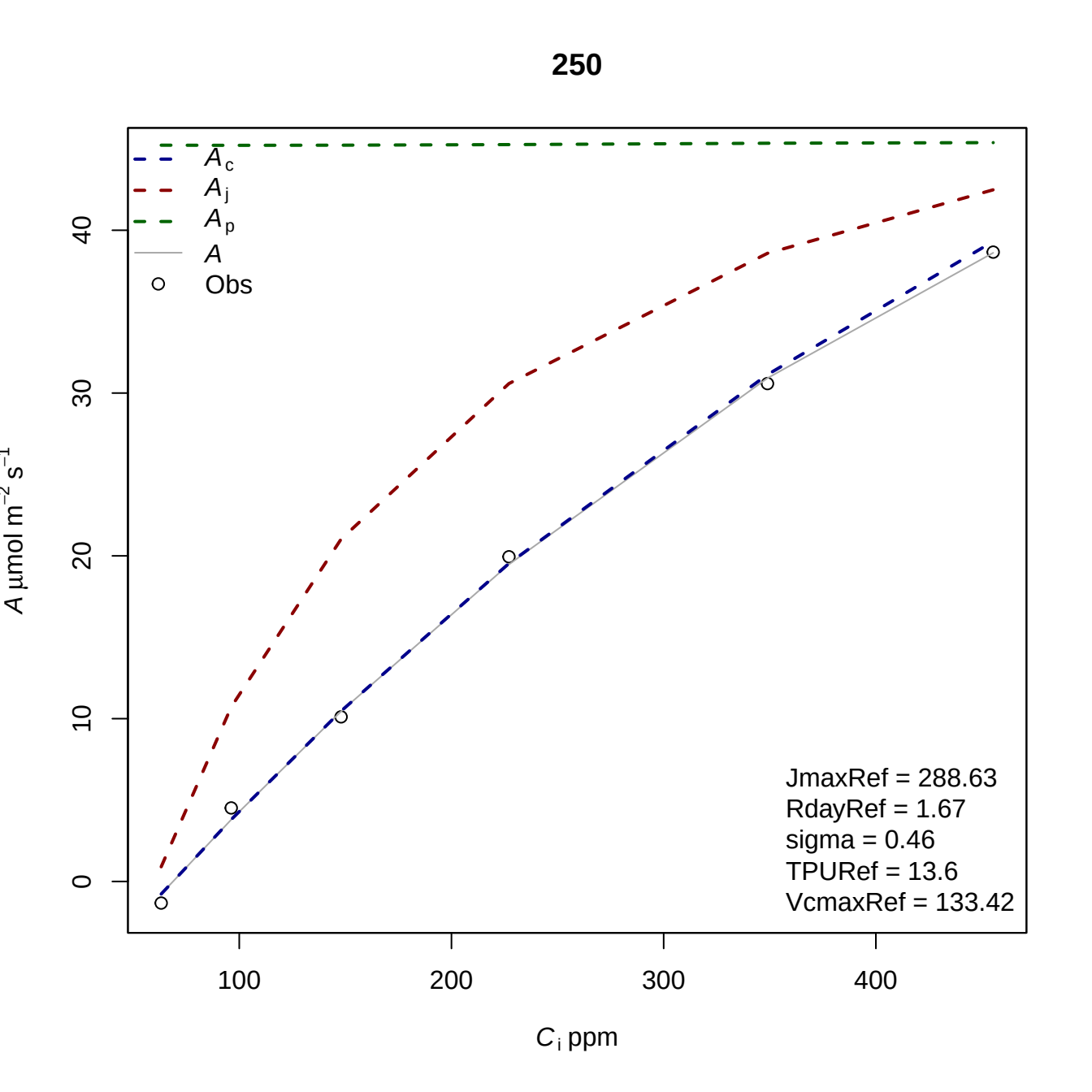

245
A_c
A_j
A_p
A
Obs
JmaxRef = 231.1
RdayRef = 1.08
sigma = 0.43
TPURef = 263942.22
VcmaxRef = 145.29
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
150
200
250
300
350
400

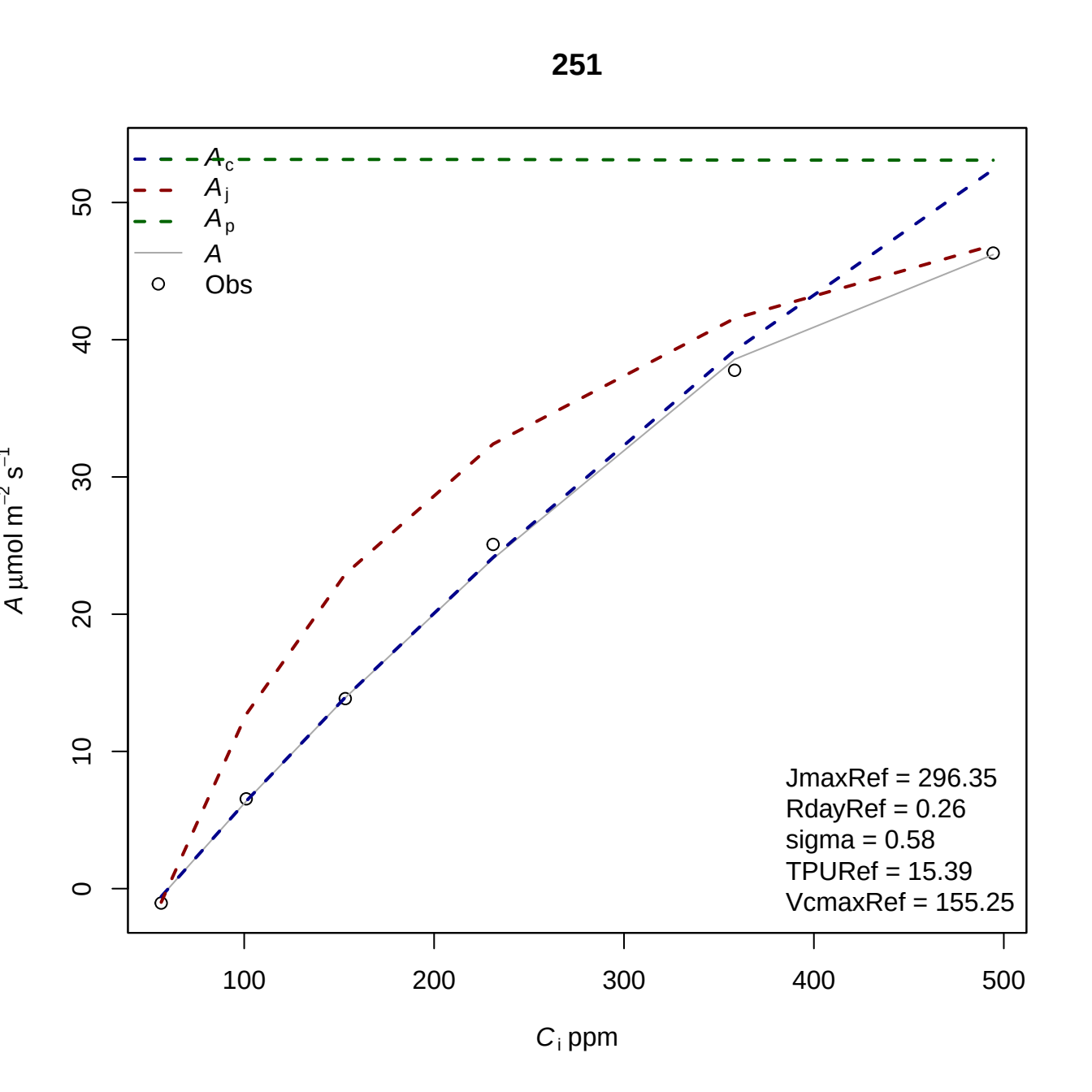

246
A_c
A_j
A_p
A
Obs
JmaxRef = 272.91
RdayRef = 1.17
sigma = 0.22
TPURef = 66373.13
VcmaxRef = 175.78
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
150
200
250
300
350
400

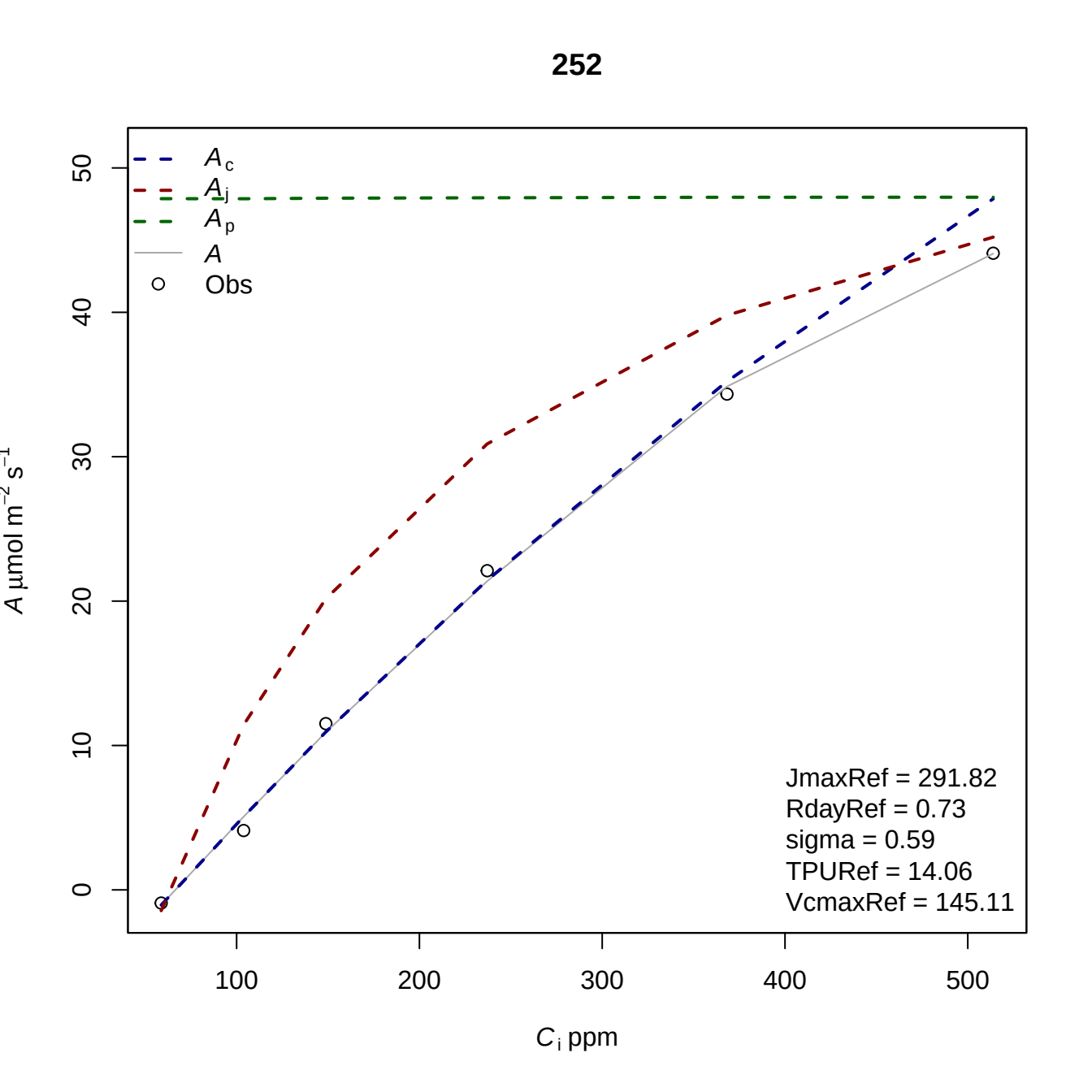

247
A_c
A_j
A_p
A
Obs
JmaxRef = 232.23
RdayRef = 0.39
sigma = 0.49
TPURef = 21.07
VcmaxRef = 129.74
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

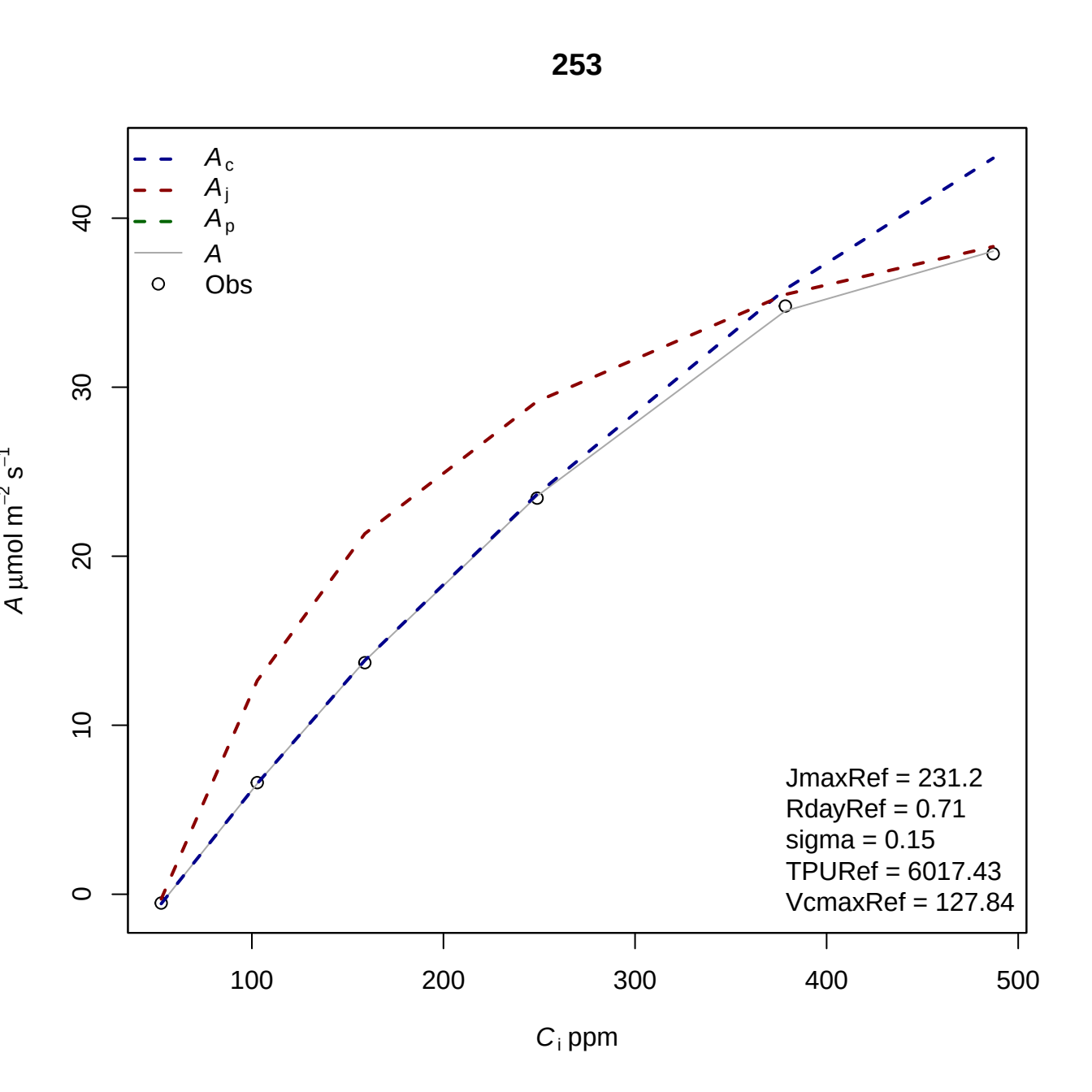

248
A_c
A_j
A_p
A
Obs
JmaxRef = 270.61
RdayRef = 0.73
sigma = 0.03
TPURef = 15.48
VcmaxRef = 135.12
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

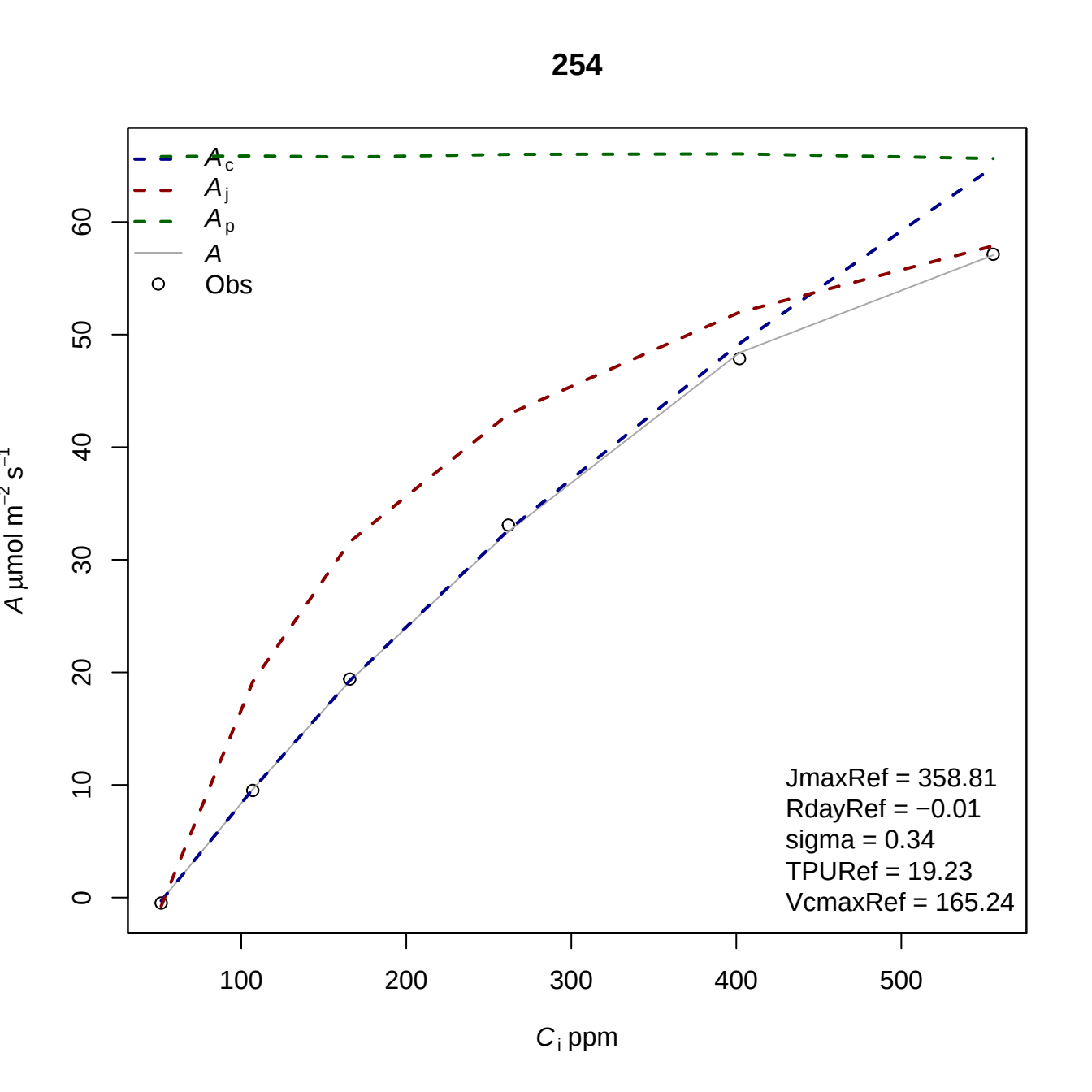

249
A_c
A_j
A_p
A
Obs
JmaxRef = 287.89
RdayRef = 0.39
sigma = 0.79
TPURef = 15.24
VcmaxRef = 137.07
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

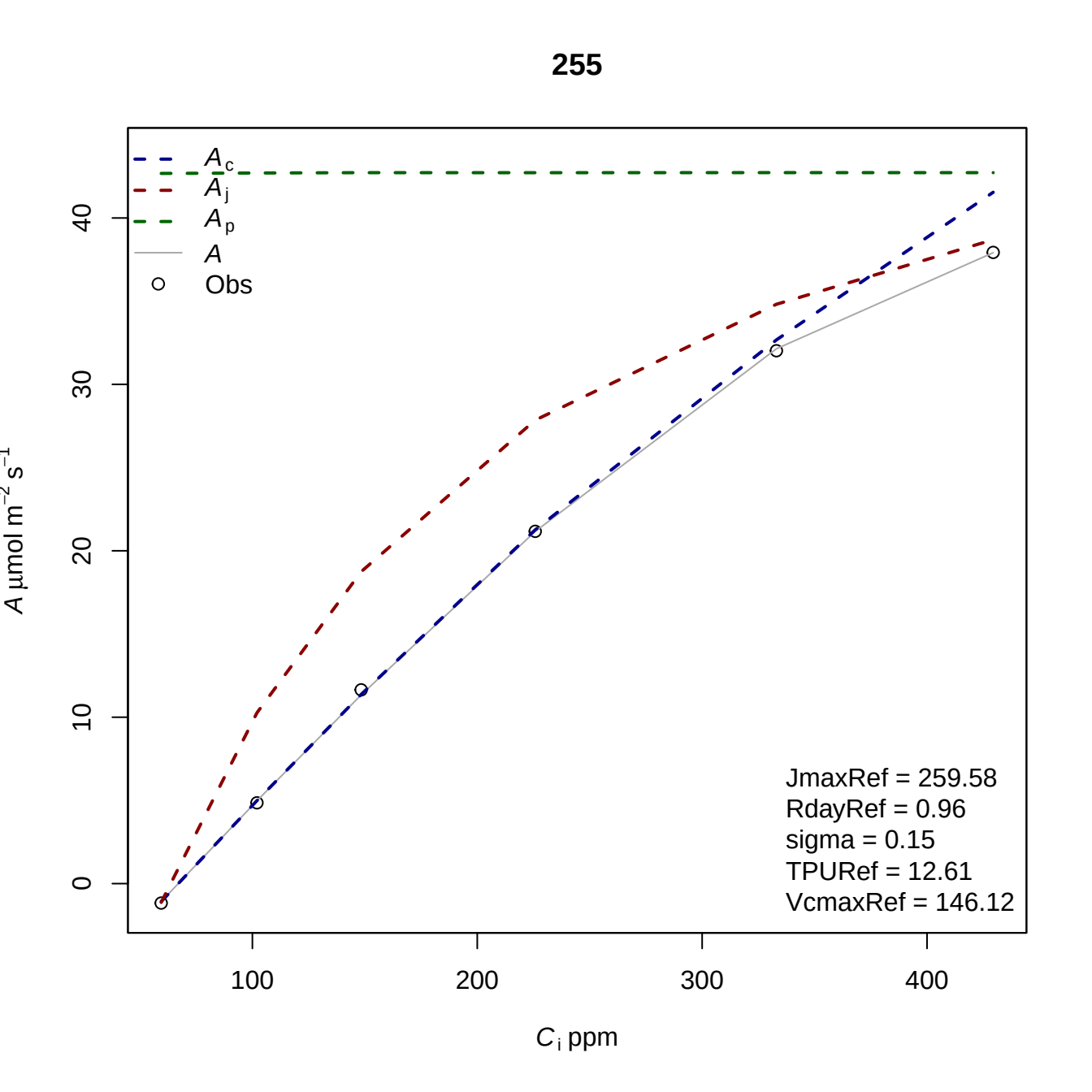

250
A_c
A_j
A_p
A
Obs
JmaxRef = 288.63
RdayRef = 1.67
sigma = 0.46
TPURef = 13.6
VcmaxRef = 133.42
0
10
20
30
40
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

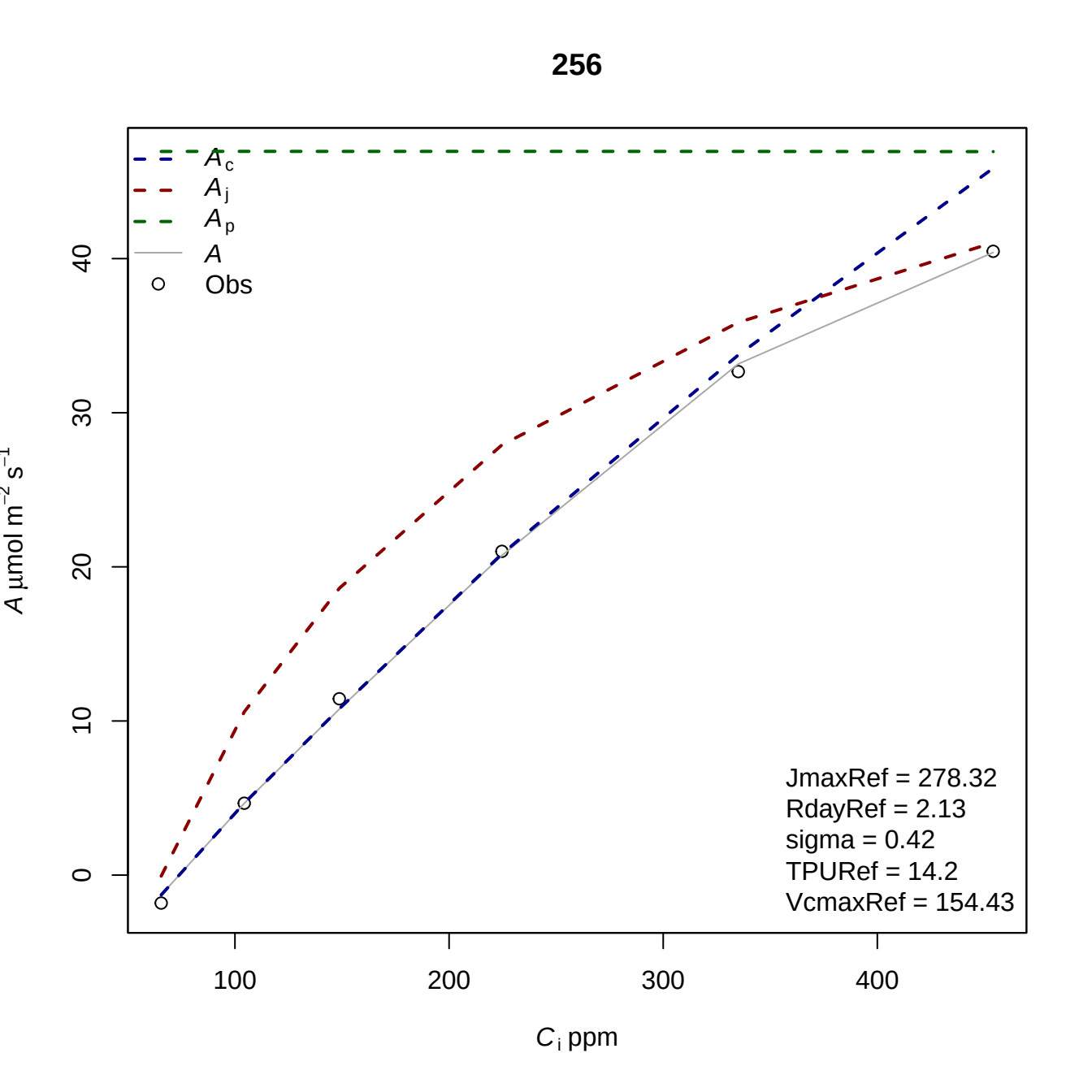

251
A_c
A_j
A_p
A
Obs
JmaxRef = 296.35
RdayRef = 0.26
sigma = 0.58
TPURef = 15.39
VcmaxRef = 155.25
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

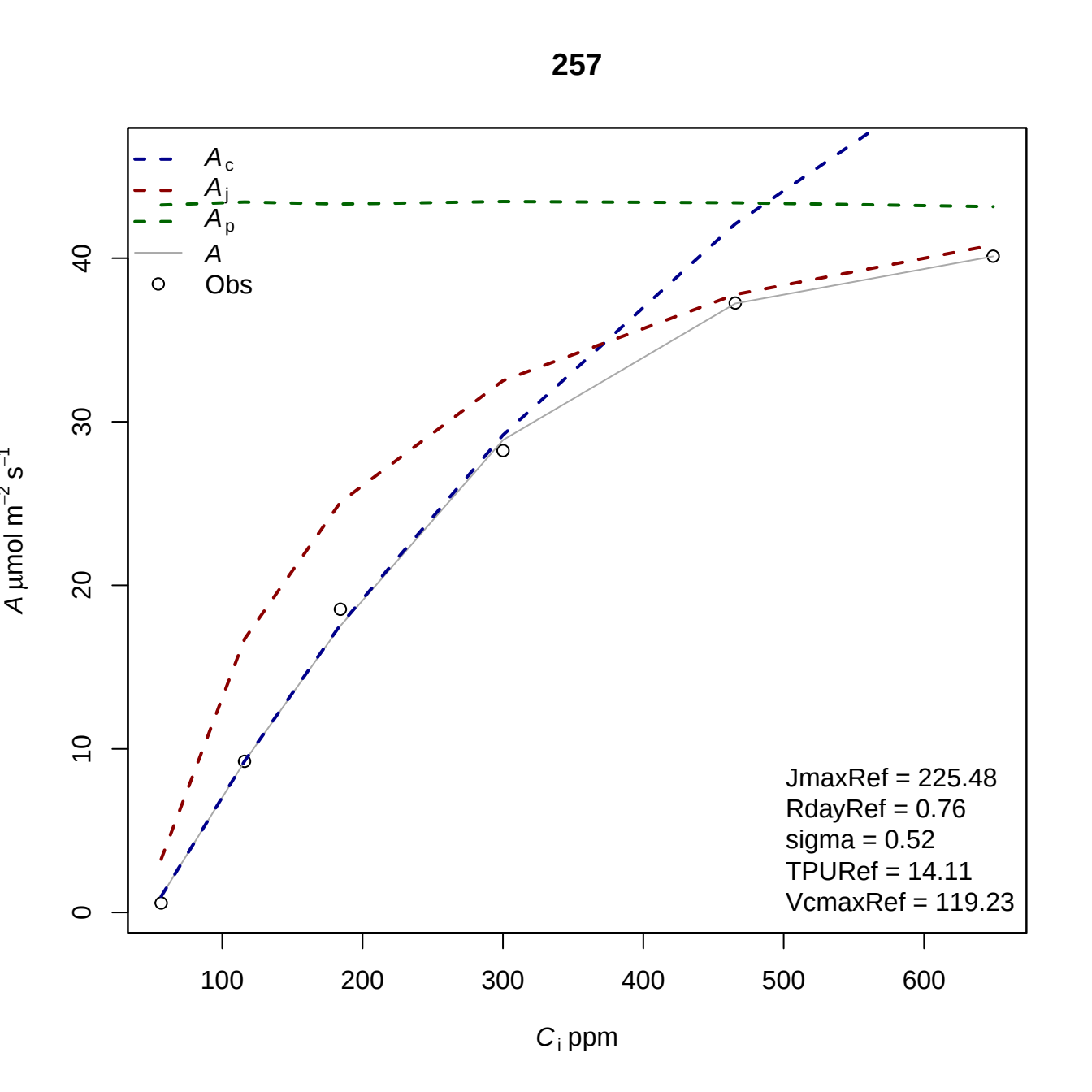

252
A_c
A_j
A_p
A
Obs
JmaxRef = 291.82
RdayRef = 0.73
sigma = 0.59
TPURef = 14.06
VcmaxRef = 145.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

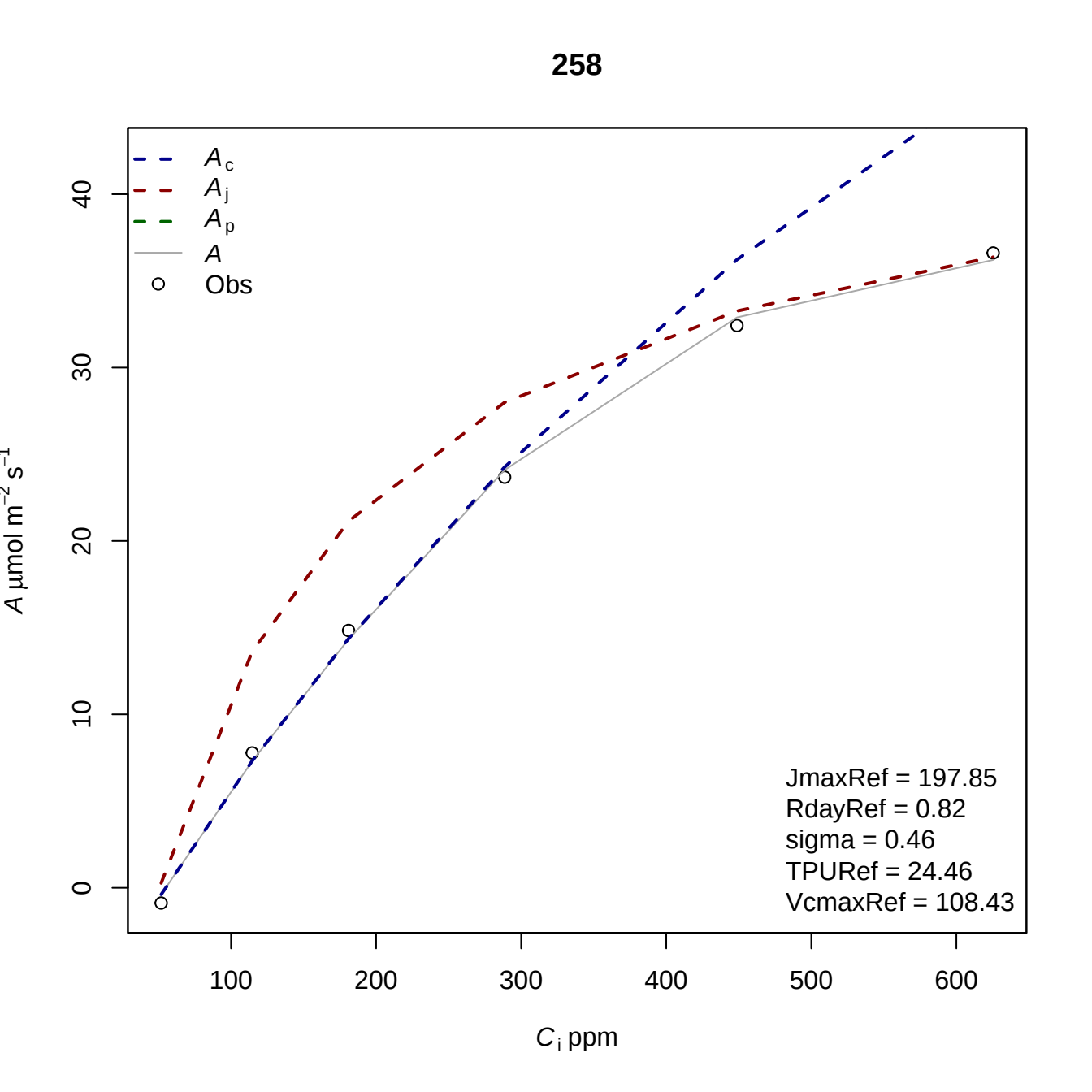

253
A_c
A_j
A_p
A
Obs
JmaxRef = 231.2
RdayRef = 0.71
sigma = 0.15
TPURef = 6017.43
VcmaxRef = 127.84
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

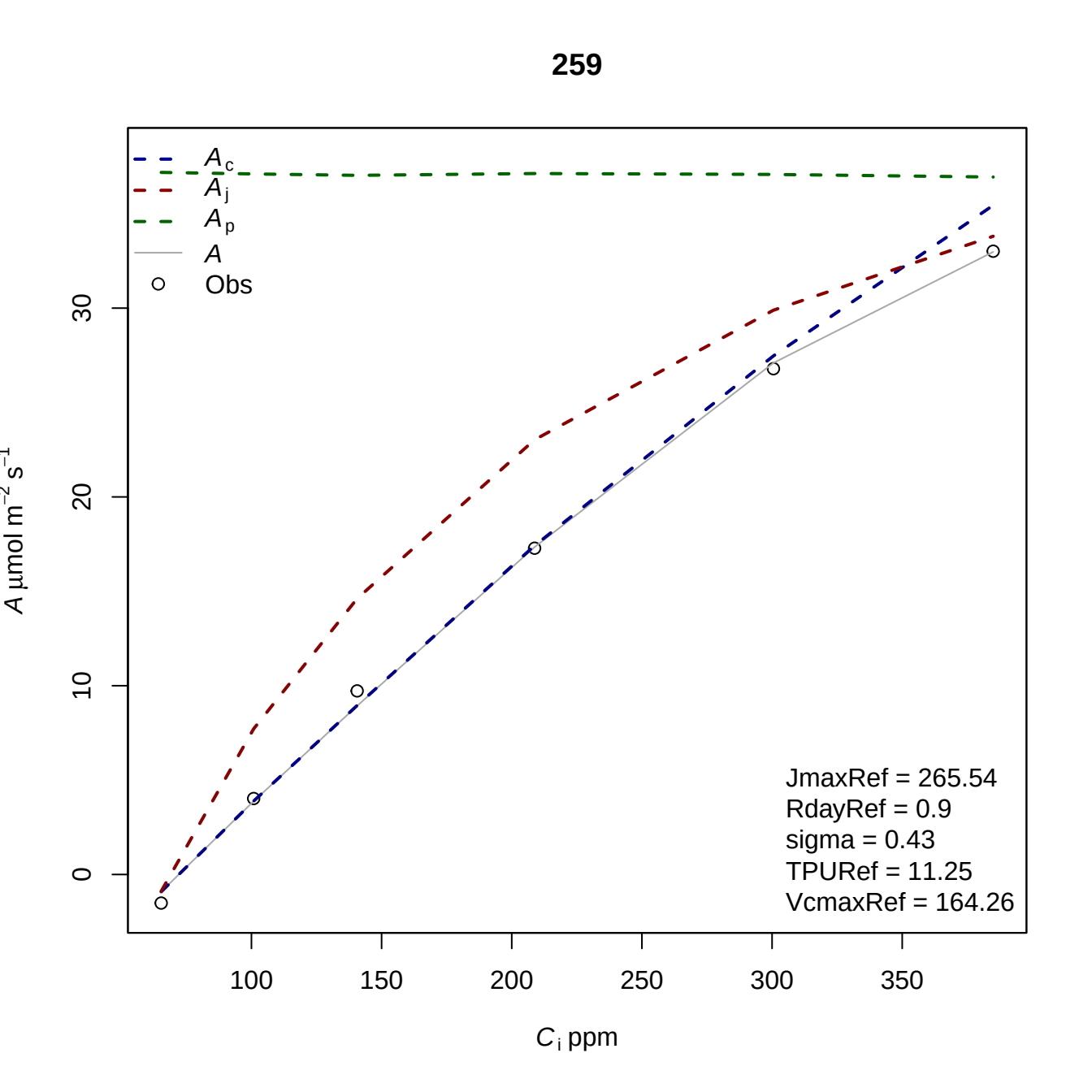

254
A_c
A_j
A_p
A
Obs
JmaxRef = 358.81
RdayRef = −0.01
sigma = 0.34
TPURef = 19.23
VcmaxRef = 165.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

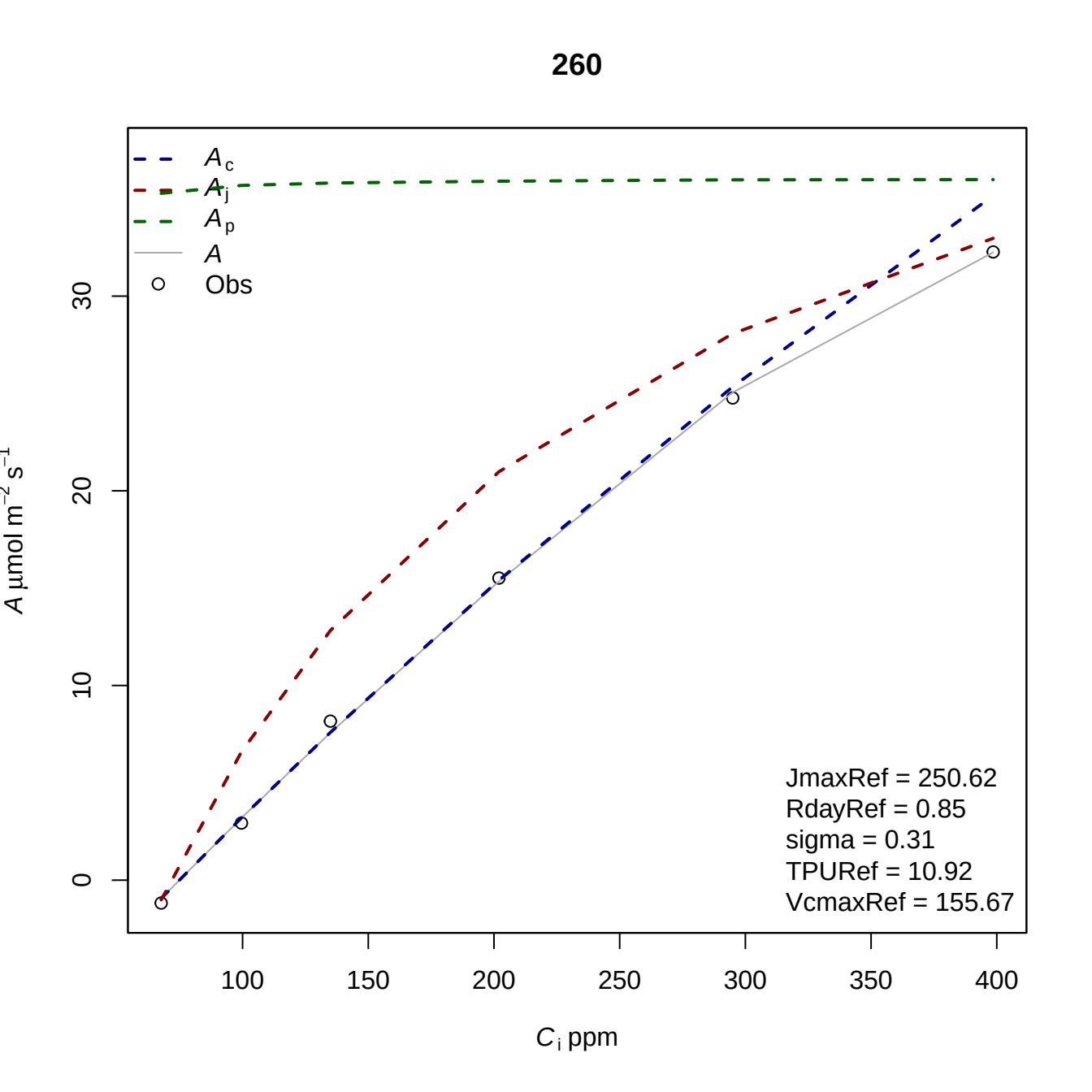

255
A_c
A_j
A_p
A
Obs
JmaxRef = 259.58
RdayRef = 0.96
sigma = 0.15
TPURef = 12.61
VcmaxRef = 146.12
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400

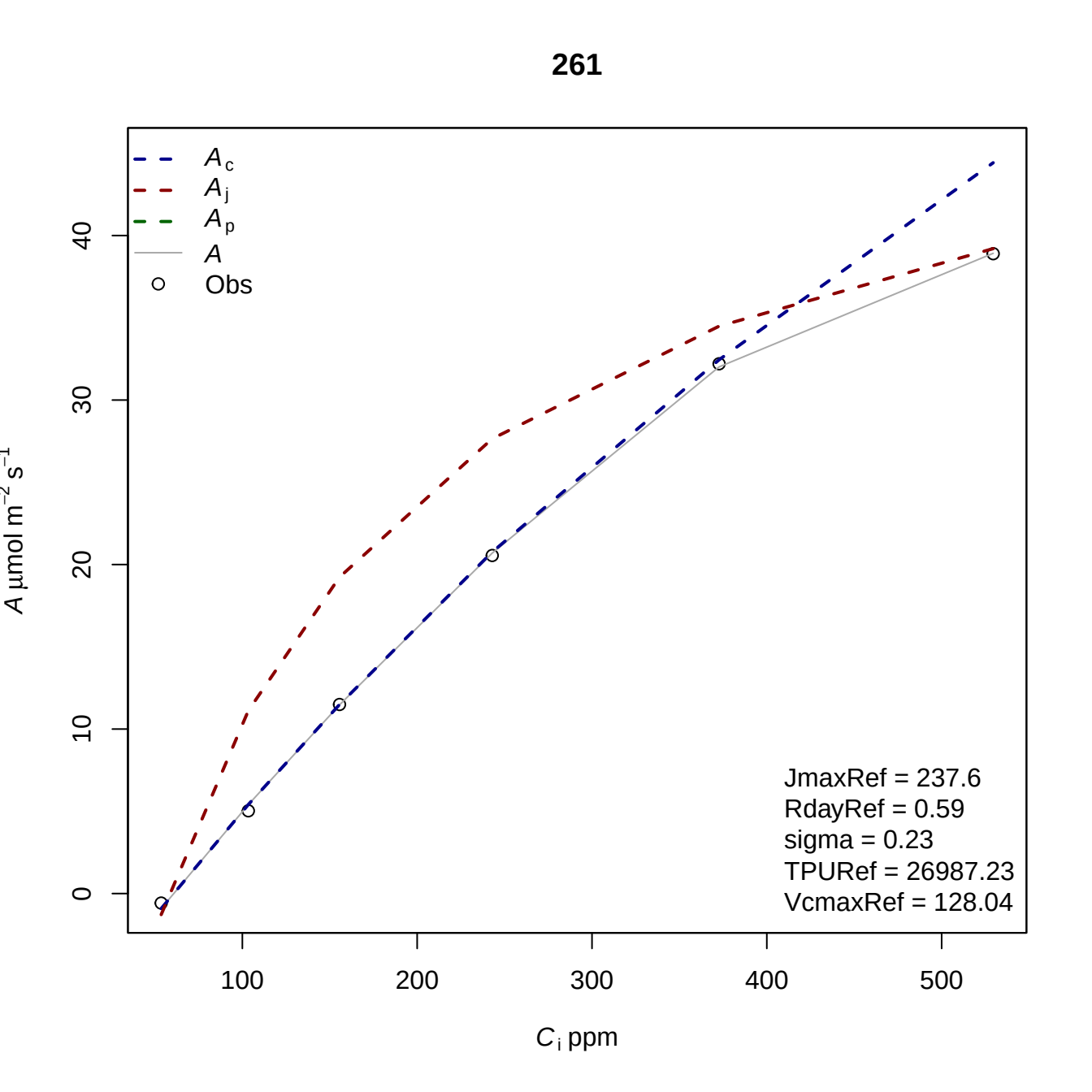

256
A_c
A_j
A_p
A
Obs
JmaxRef = 278.32
RdayRef = 2.13
sigma = 0.42
TPURef = 14.2
VcmaxRef = 154.43
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
C_i ppm

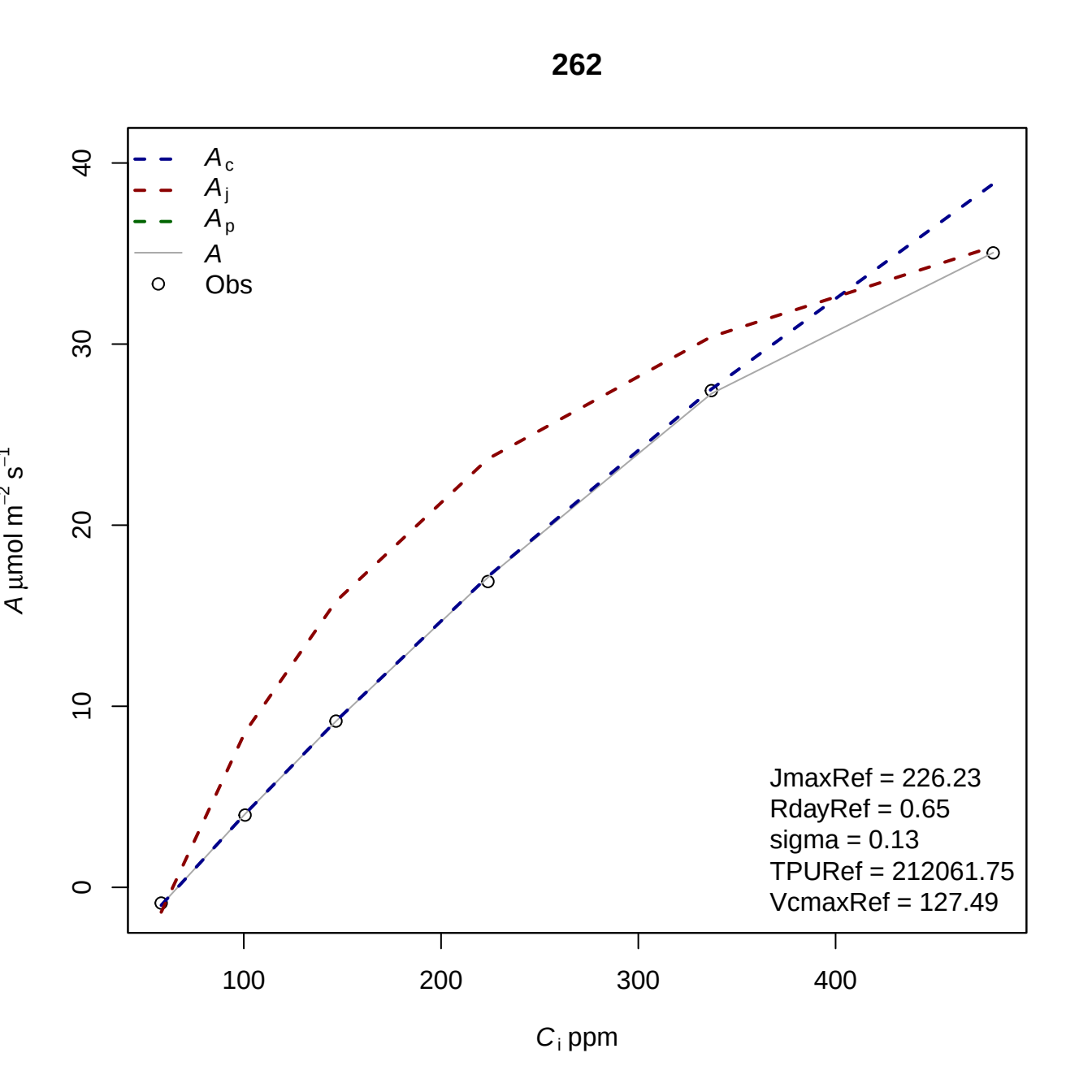

257
A_c
A_j
A_p
A
Obs
JmaxRef = 225.48
RdayRef = 0.76
sigma = 0.52
TPURef = 14.11
VcmaxRef = 119.23
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

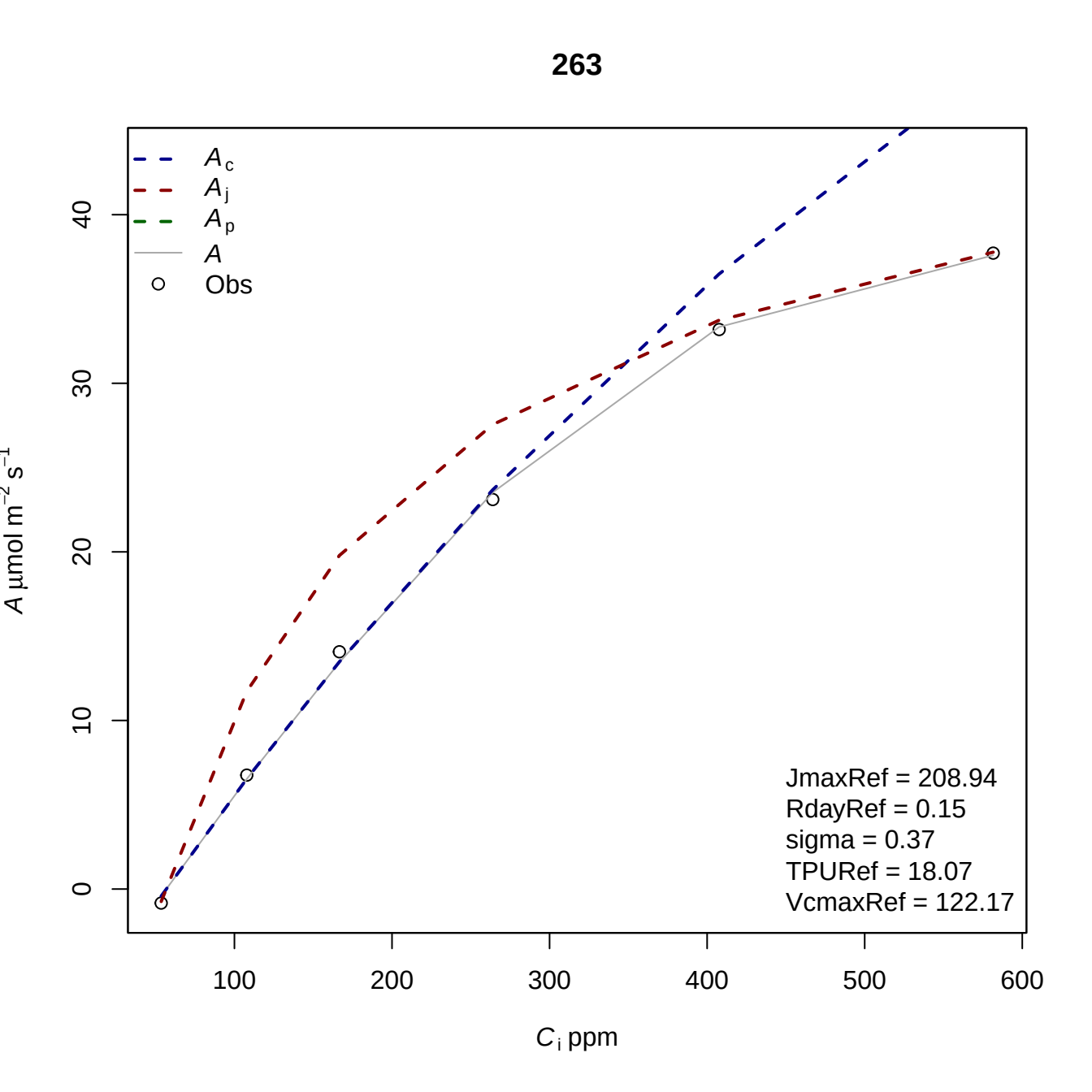

258
A_c
A_j
A_p
A
Obs
JmaxRef = 197.85
RdayRef = 0.82
sigma = 0.46
TPURef = 24.46
VcmaxRef = 108.43
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

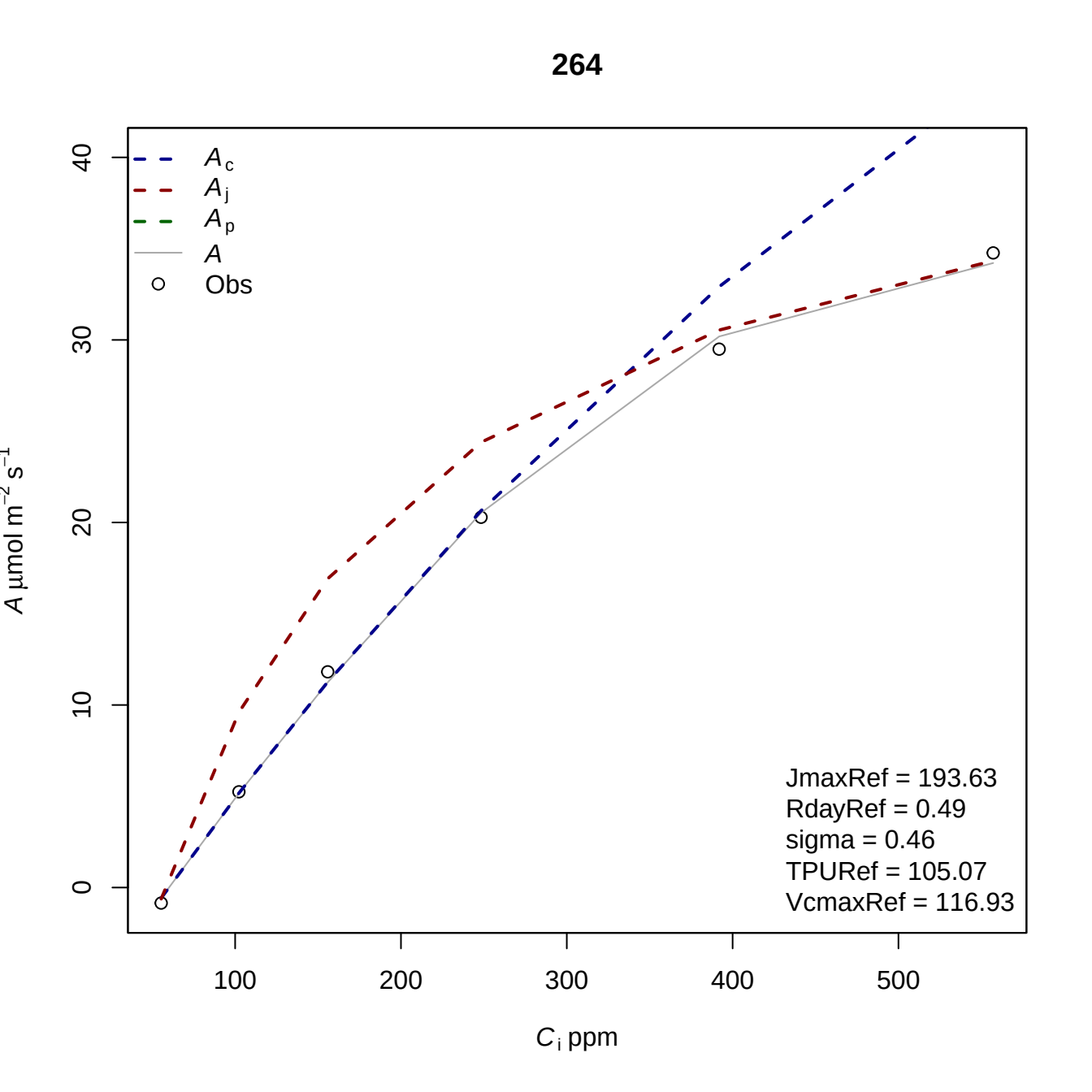

259
A_c
A_j
A_p
A
Obs
JmaxRef = 265.54
RdayRef = 0.9
sigma = 0.43
TPURef = 11.25
VcmaxRef = 164.26
0
10
20
30
100
150
200
250
300
350
A µmol m^{-2} s^{-1}
C_i ppm

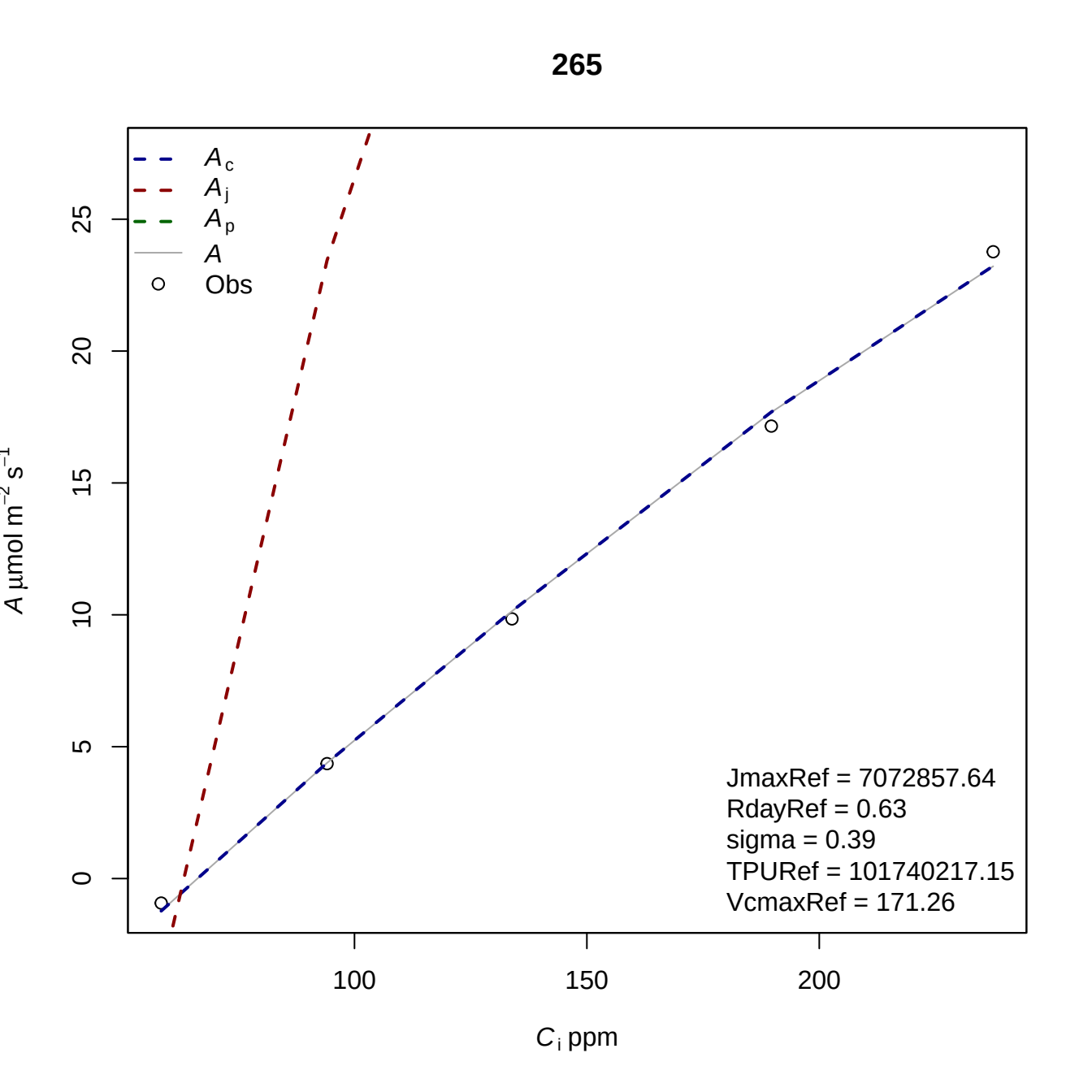

260
A_c
A_j
A_p
A
Obs
JmaxRef = 250.62
RdayRef = 0.85
sigma = 0.31
TPURef = 10.92
VcmaxRef = 155.67
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
100
150
200
250
300
350
400

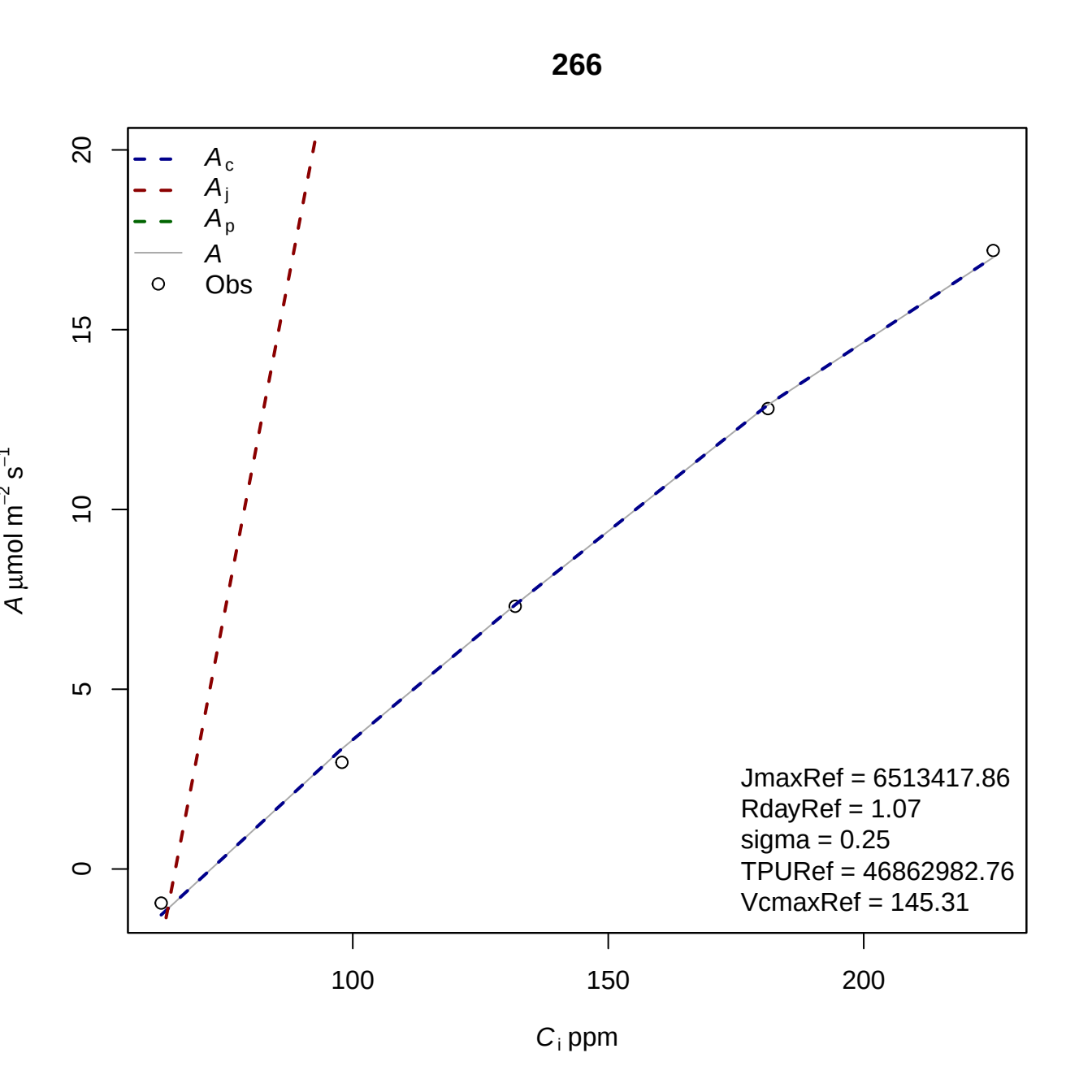

261
A_c
A_j
A_p
A
Obs
JmaxRef = 237.6
RdayRef = 0.59
sigma = 0.23
TPURef = 26987.23
VcmaxRef = 128.04
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

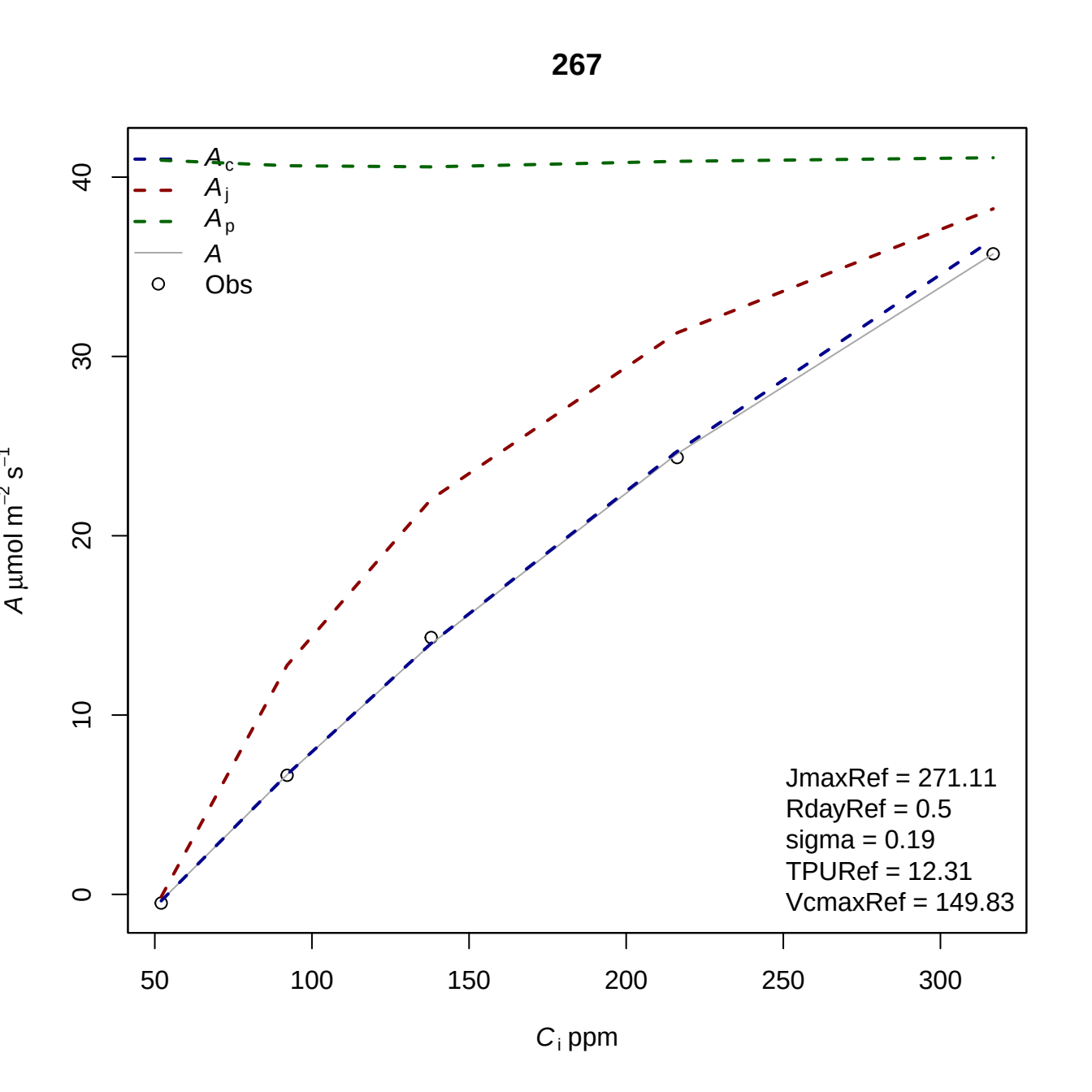

262
A_c
A_j
A_p
A
Obs
JmaxRef = 226.23
RdayRef = 0.65
sigma = 0.13
TPURef = 212061.75
VcmaxRef = 127.49
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400

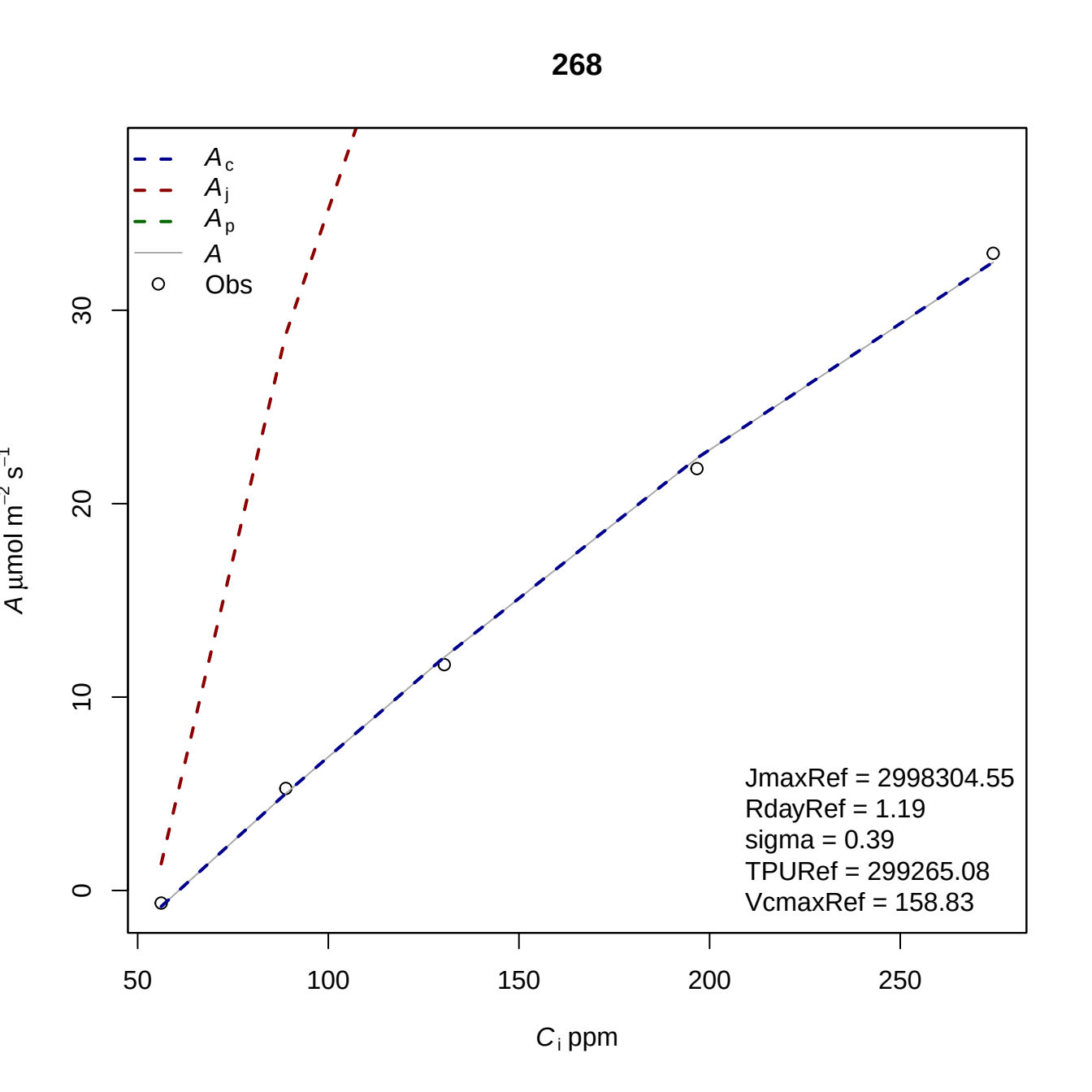

263
A_c
A_j
A_p
A
Obs
JmaxRef = 208.94
RdayRef = 0.15
sigma = 0.37
TPURef = 18.07
VcmaxRef = 122.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

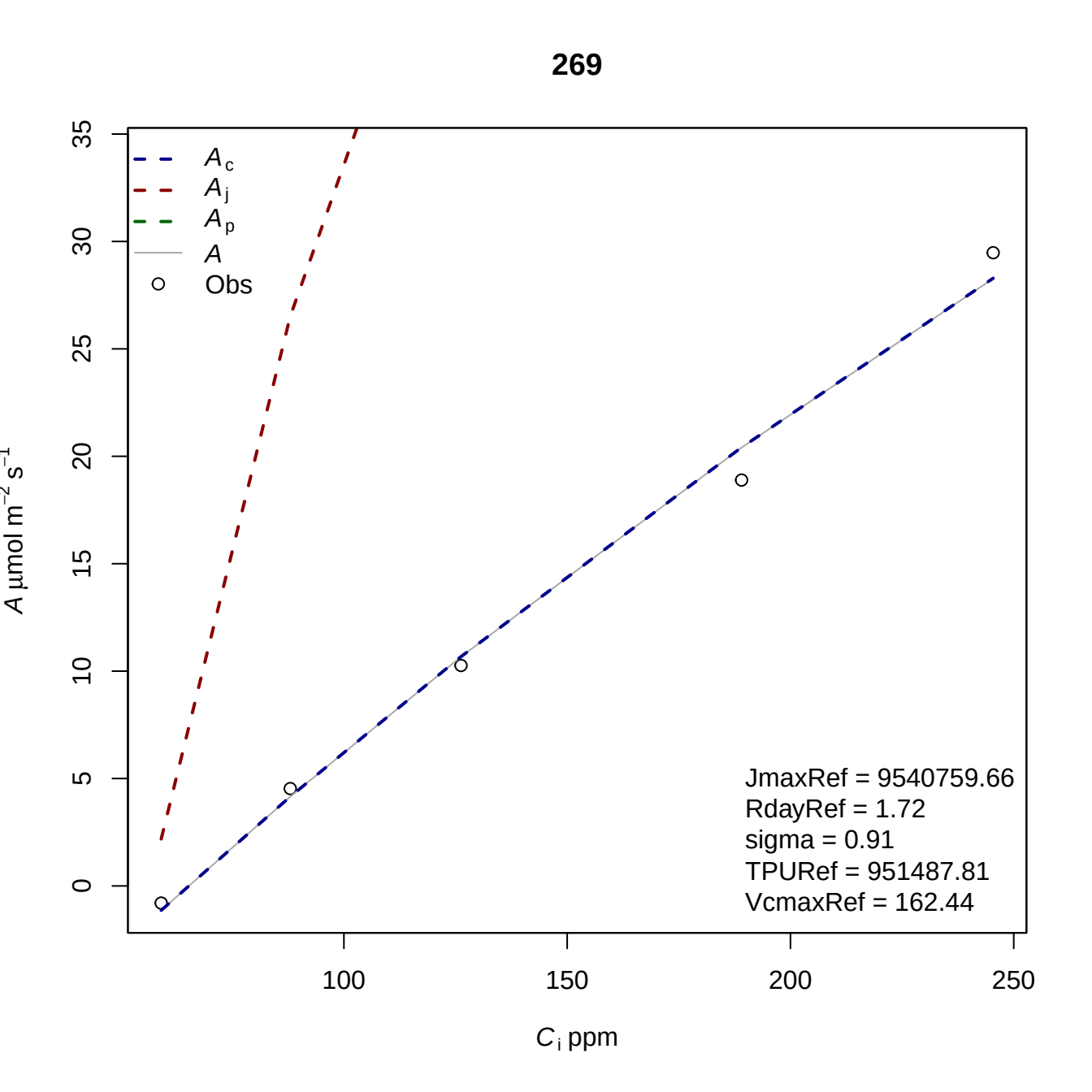

264
A_c
A_j
A_p
A
Obs
JmaxRef = 193.63
RdayRef = 0.49
sigma = 0.46
TPURef = 105.07
VcmaxRef = 116.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

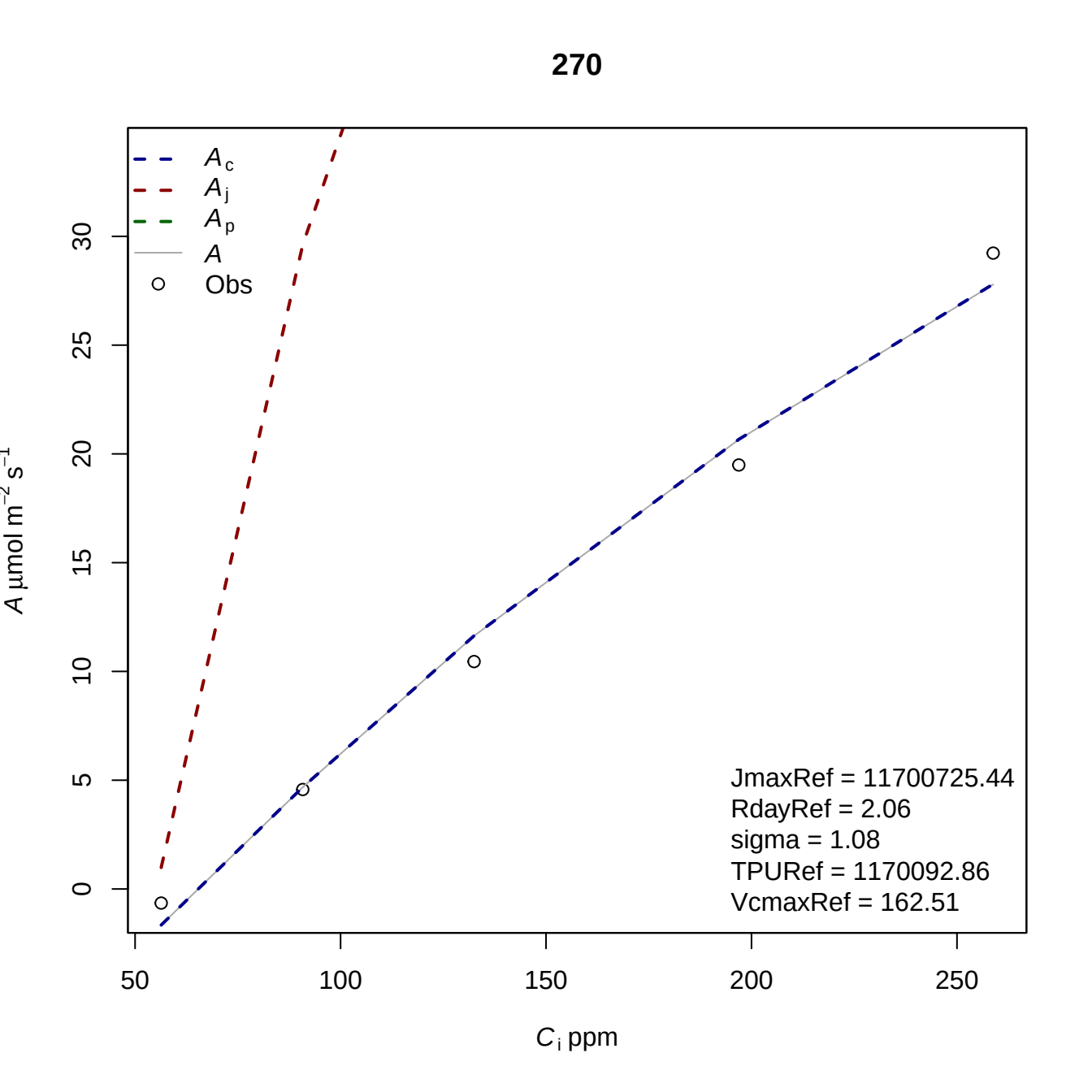

265
A_c
A_j
A_p
A
Obs
JmaxRef = 7072857.64
RdayRef = 0.63
sigma = 0.39
TPURef = 101740217.15
VcmaxRef = 171.26
A µmol m^{-2} s^{-1}
0
5
10
15
20
25
100
150
200
C_i ppm

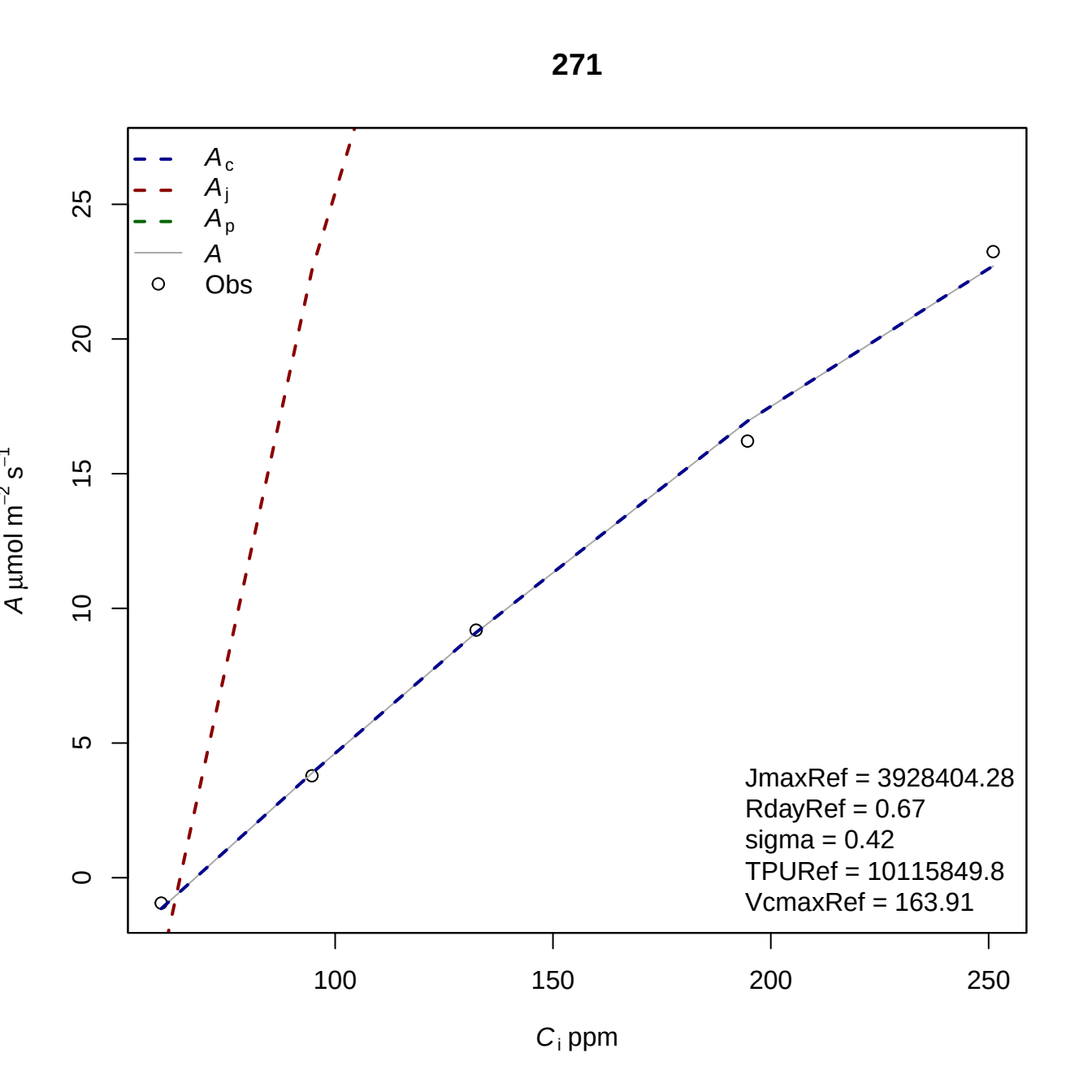

266
A_c
A_j
A_p
A
Obs
JmaxRef = 6513417.86
RdayRef = 1.07
sigma = 0.25
TPURef = 46862982.76
VcmaxRef = 145.31
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
150
200

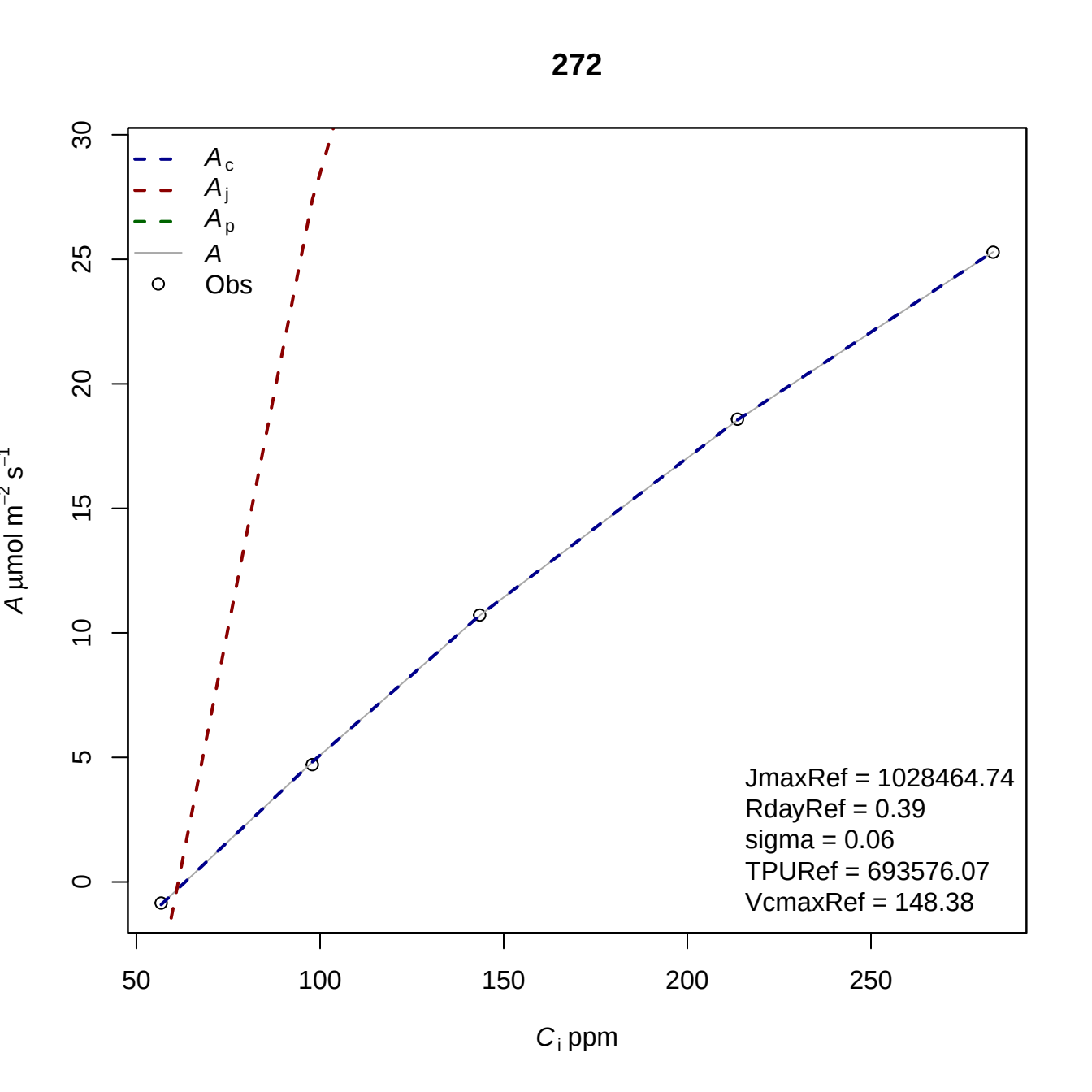

267
A_c
A_j
A_p
A
Obs
JmaxRef = 271.11
RdayRef = 0.5
sigma = 0.19
TPURef = 12.31
VcmaxRef = 149.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
150
200
250
300

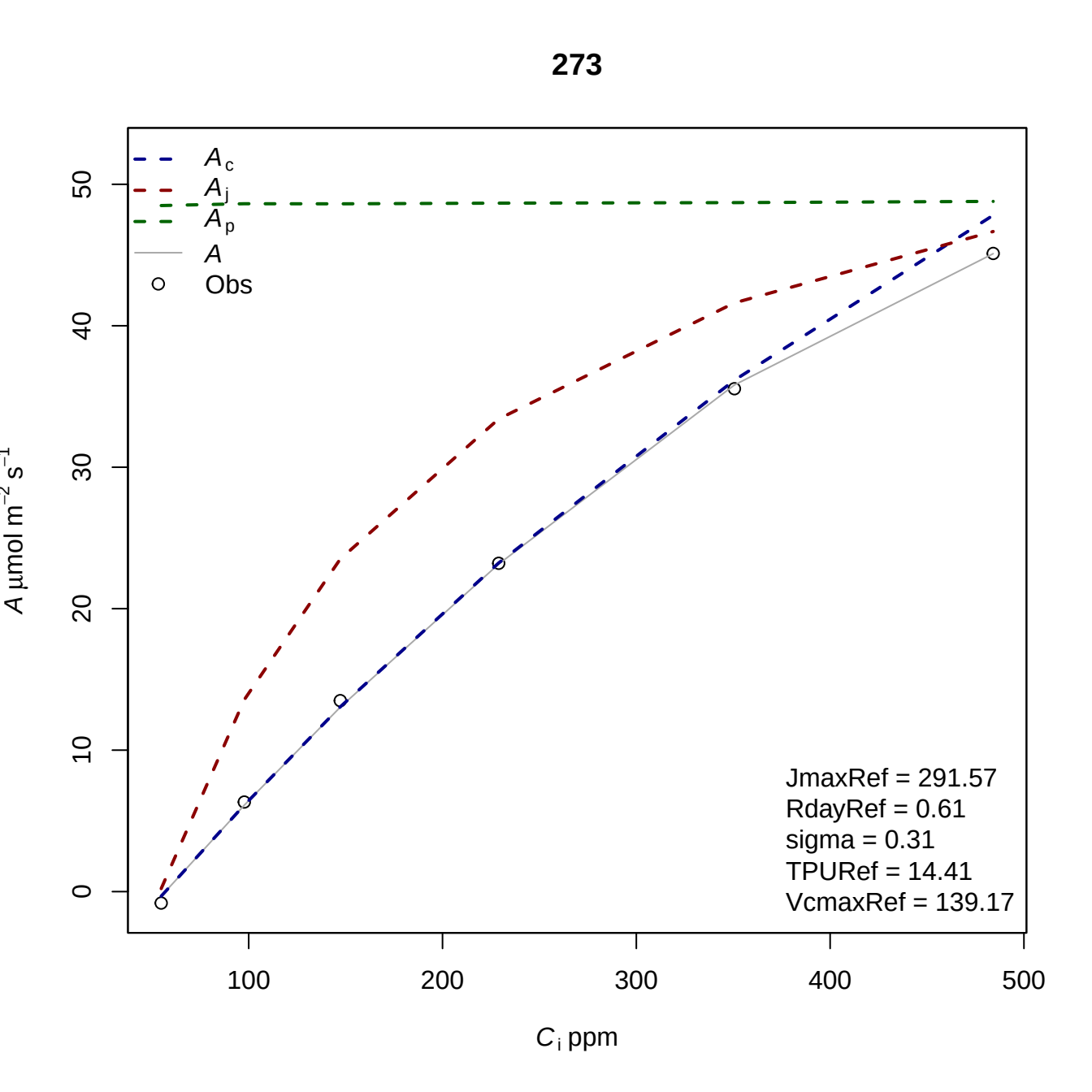

268
A_c
A_j
A_p
A
Obs
JmaxRef = 2998304.55
RdayRef = 1.19
sigma = 0.39
TPURef = 299265.08
VcmaxRef = 158.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
50
100
150
200
250

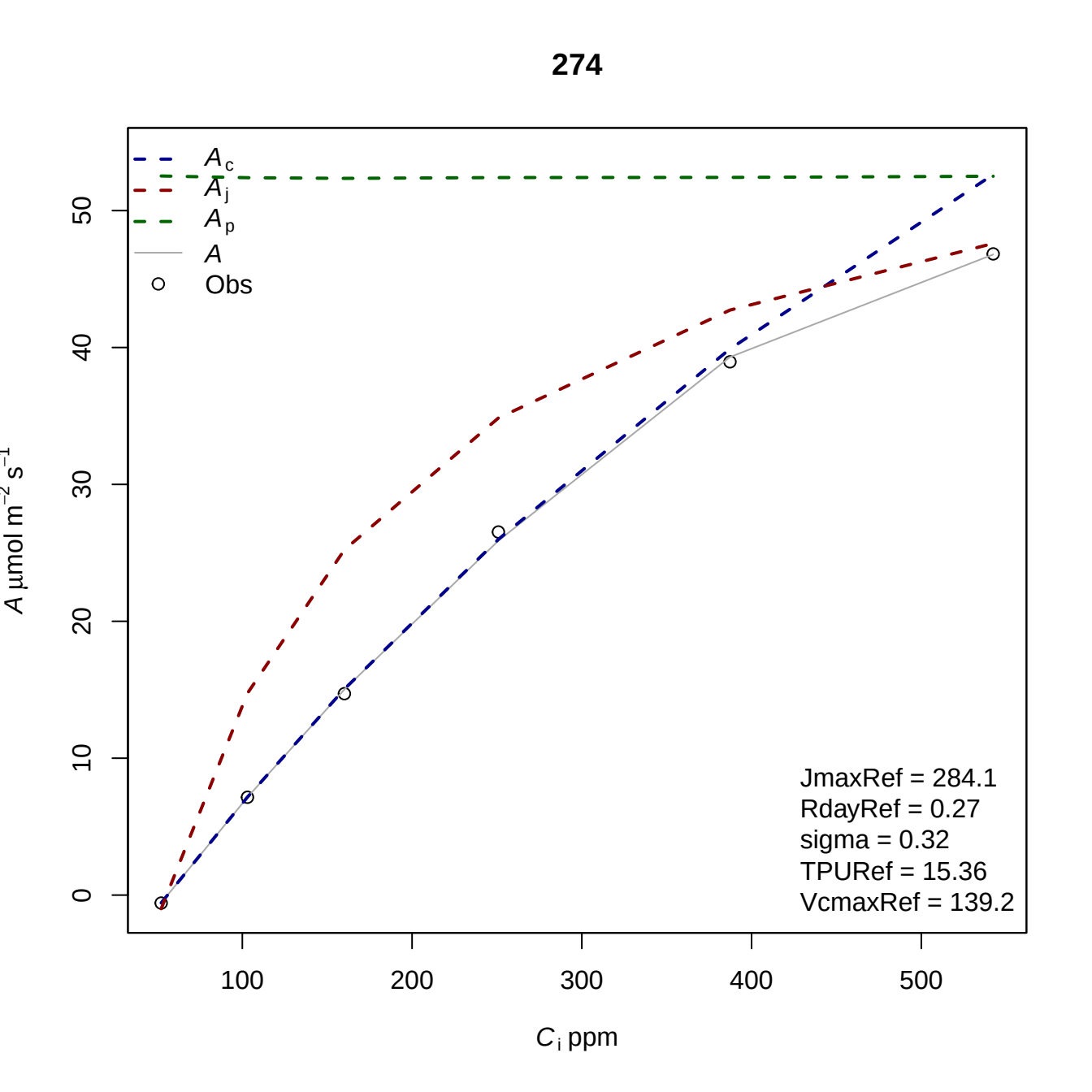

269
A_c
A_j
A_p
A
Obs
JmaxRef = 9540759.66
RdayRef = 1.72
sigma = 0.91
TPURef = 951487.81
VcmaxRef = 162.44
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
150
200
250

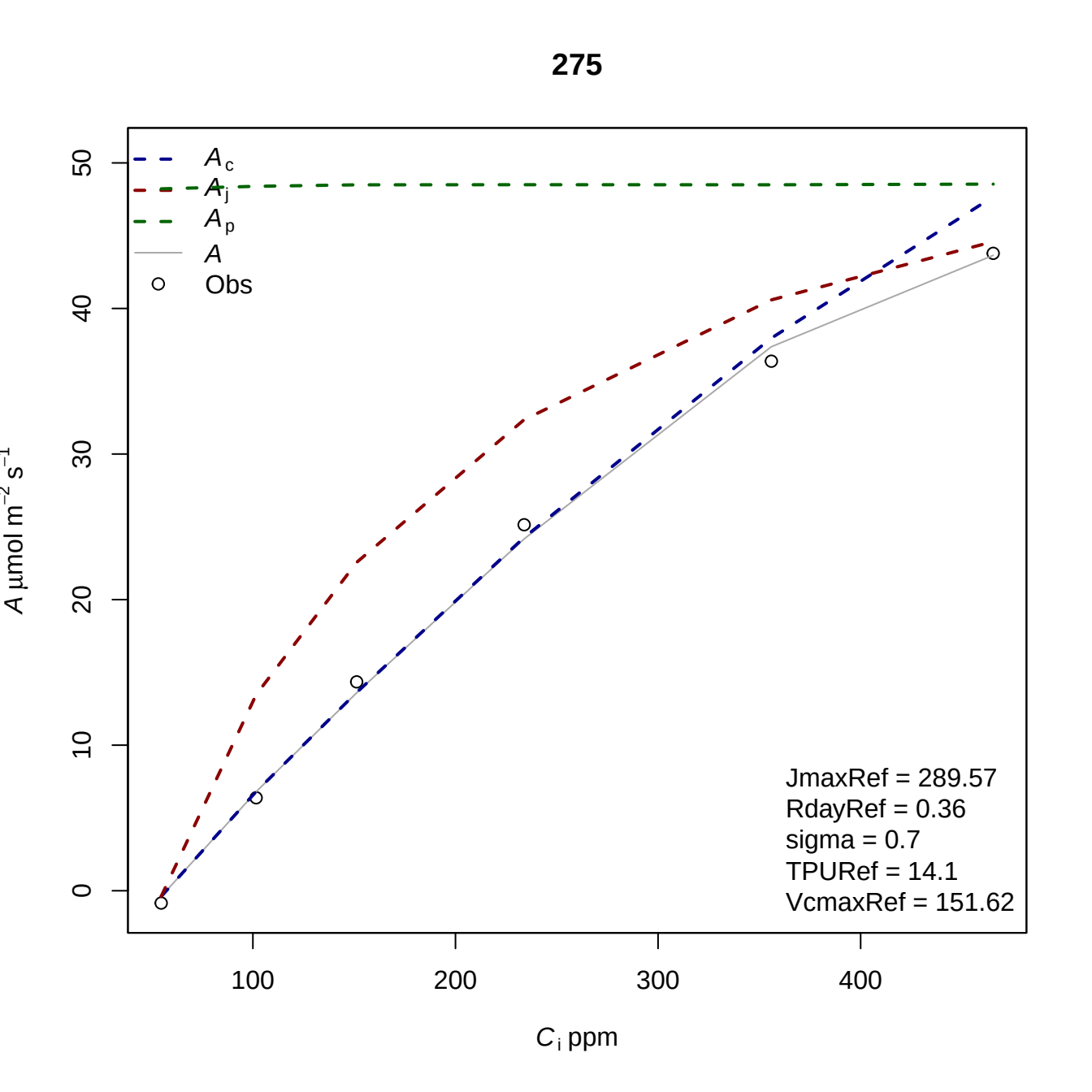

270
A_c
A_j
A_p
A
Obs
JmaxRef = 11700725.44
RdayRef = 2.06
sigma = 1.08
TPURef = 1170092.86
VcmaxRef = 162.51
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
50
100
150
200
250

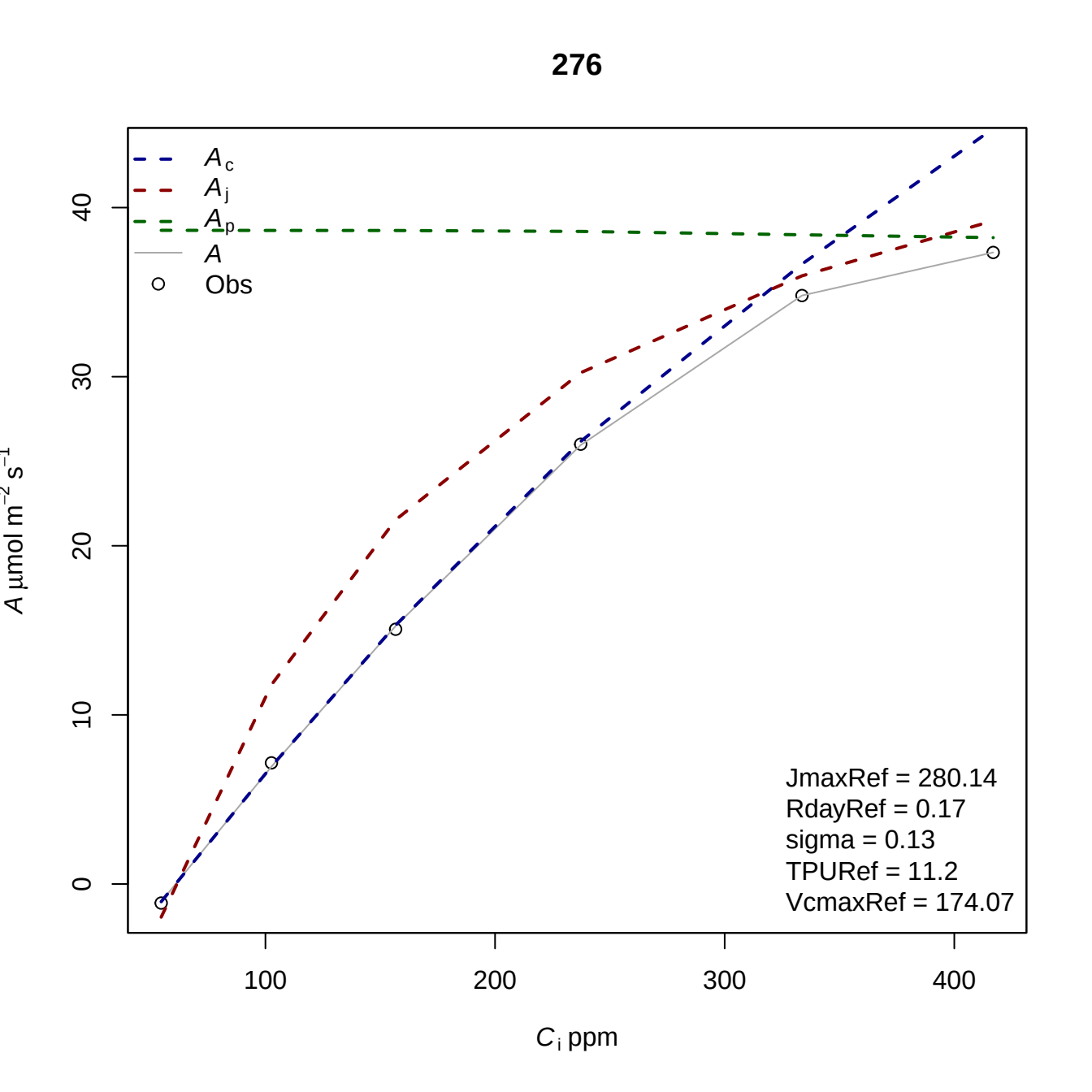

271
A_c
A_j
A_p
A
Obs
JmaxRef = 3928404.28
RdayRef = 0.67
sigma = 0.42
TPURef = 10115849.8
VcmaxRef = 163.91
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
150
200
250

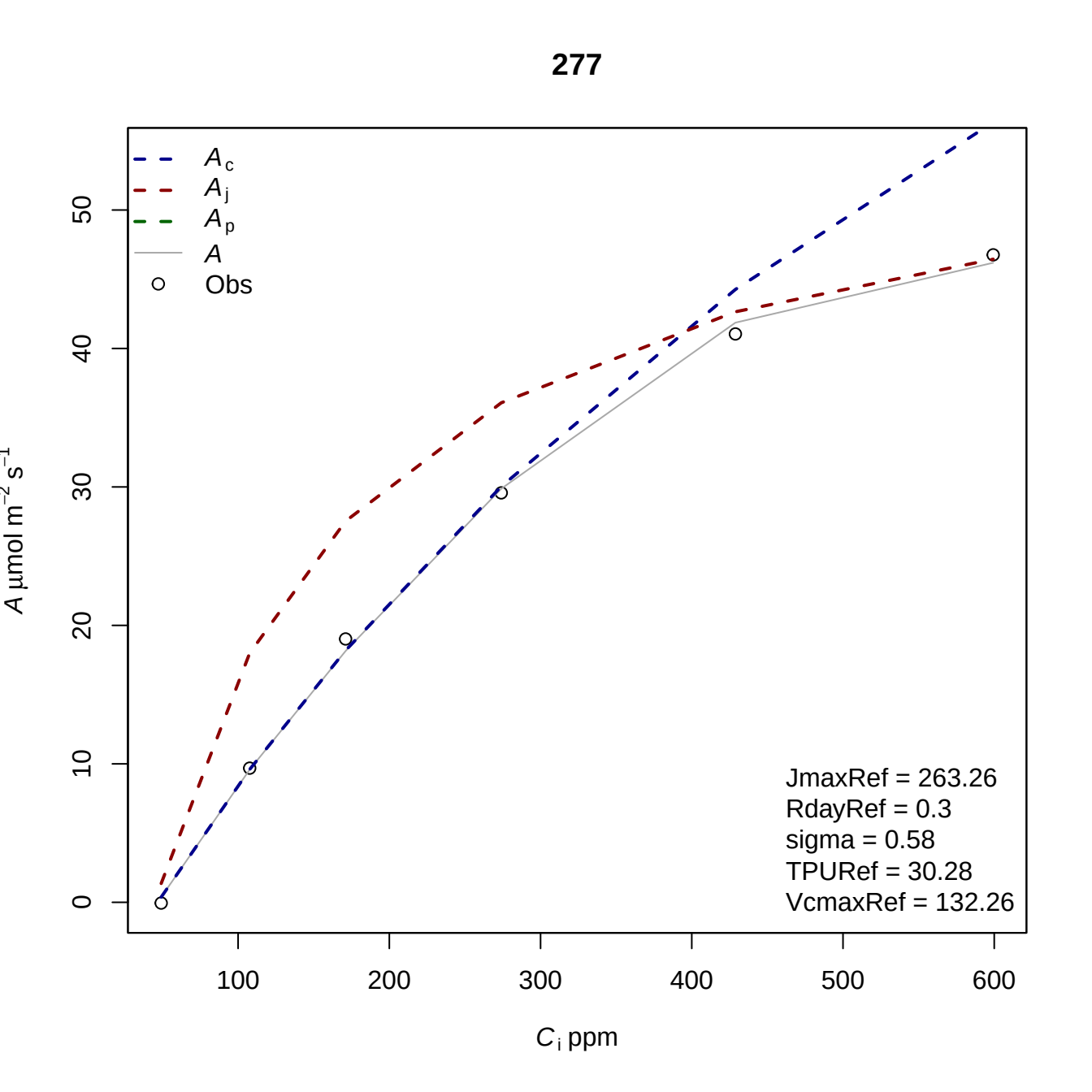

272
A_c
A_j
A_p
A
Obs
JmaxRef = 1028464.74
RdayRef = 0.39
sigma = 0.06
TPURef = 693576.07
VcmaxRef = 148.38
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
50
100
150
200
250

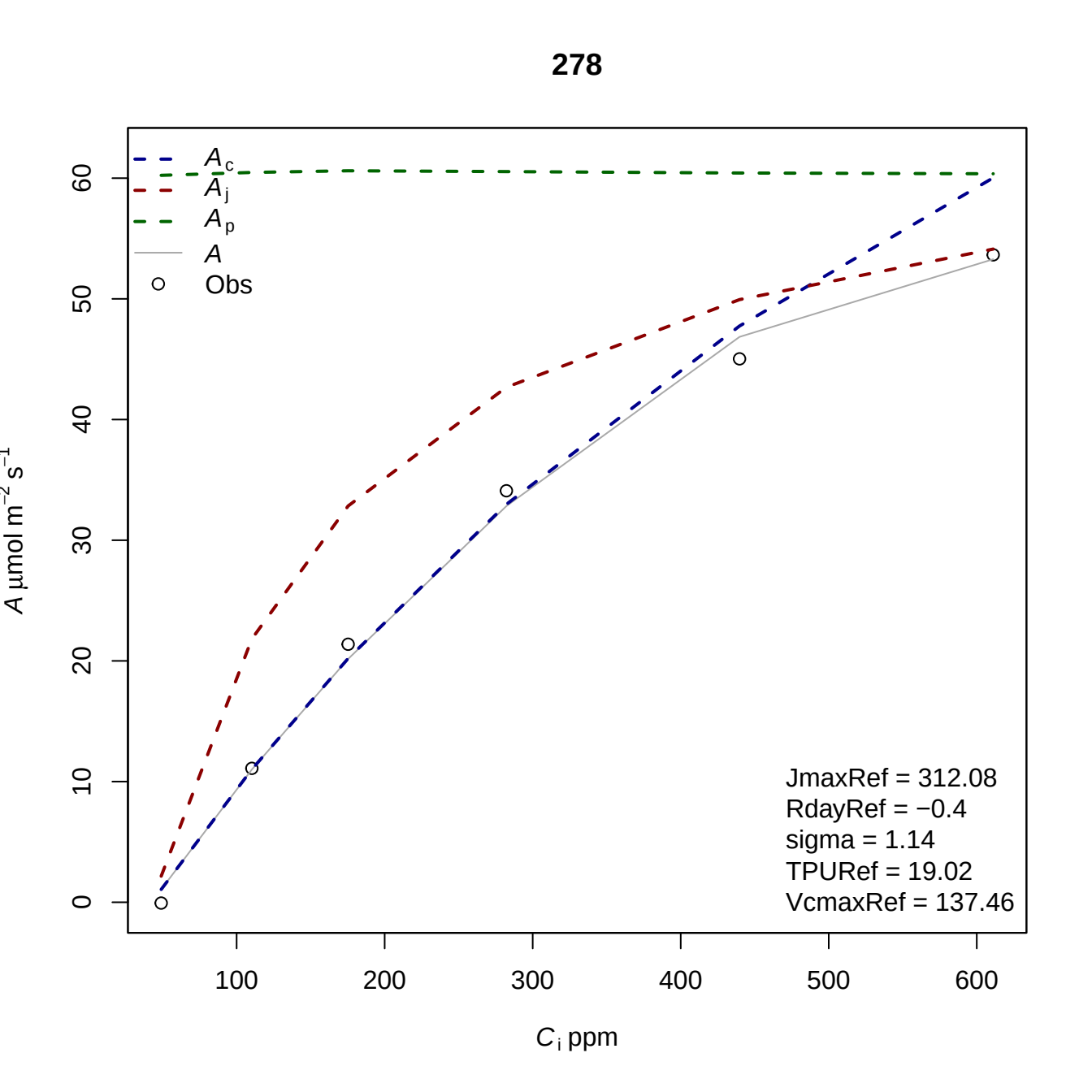

273
A_c
A_j
A_p
A
Obs
JmaxRef = 291.57
RdayRef = 0.61
sigma = 0.31
TPURef = 14.41
VcmaxRef = 139.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

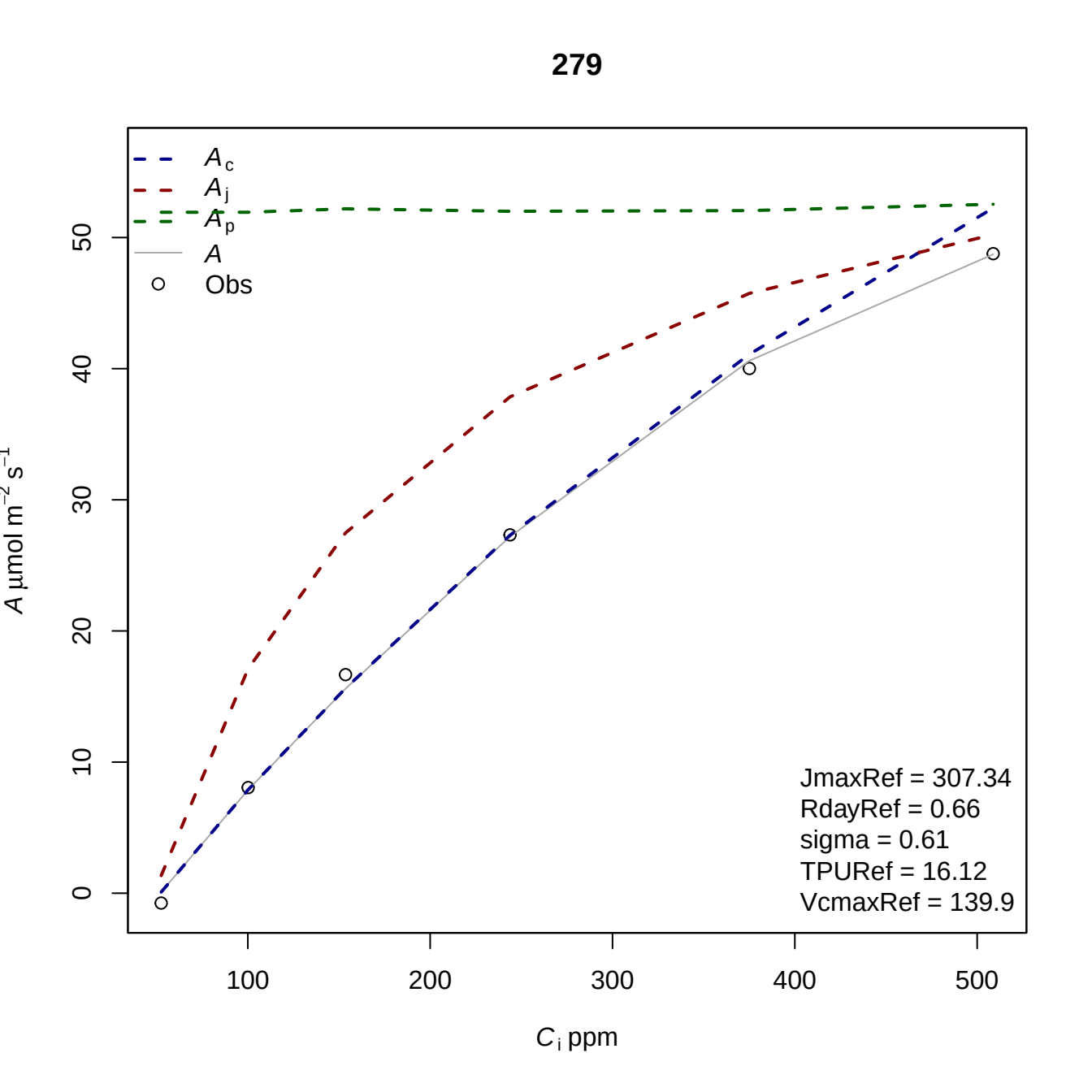

274
A_c
A_j
A_p
A
Obs
JmaxRef = 284.1
RdayRef = 0.27
sigma = 0.32
TPURef = 15.36
VcmaxRef = 139.2
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

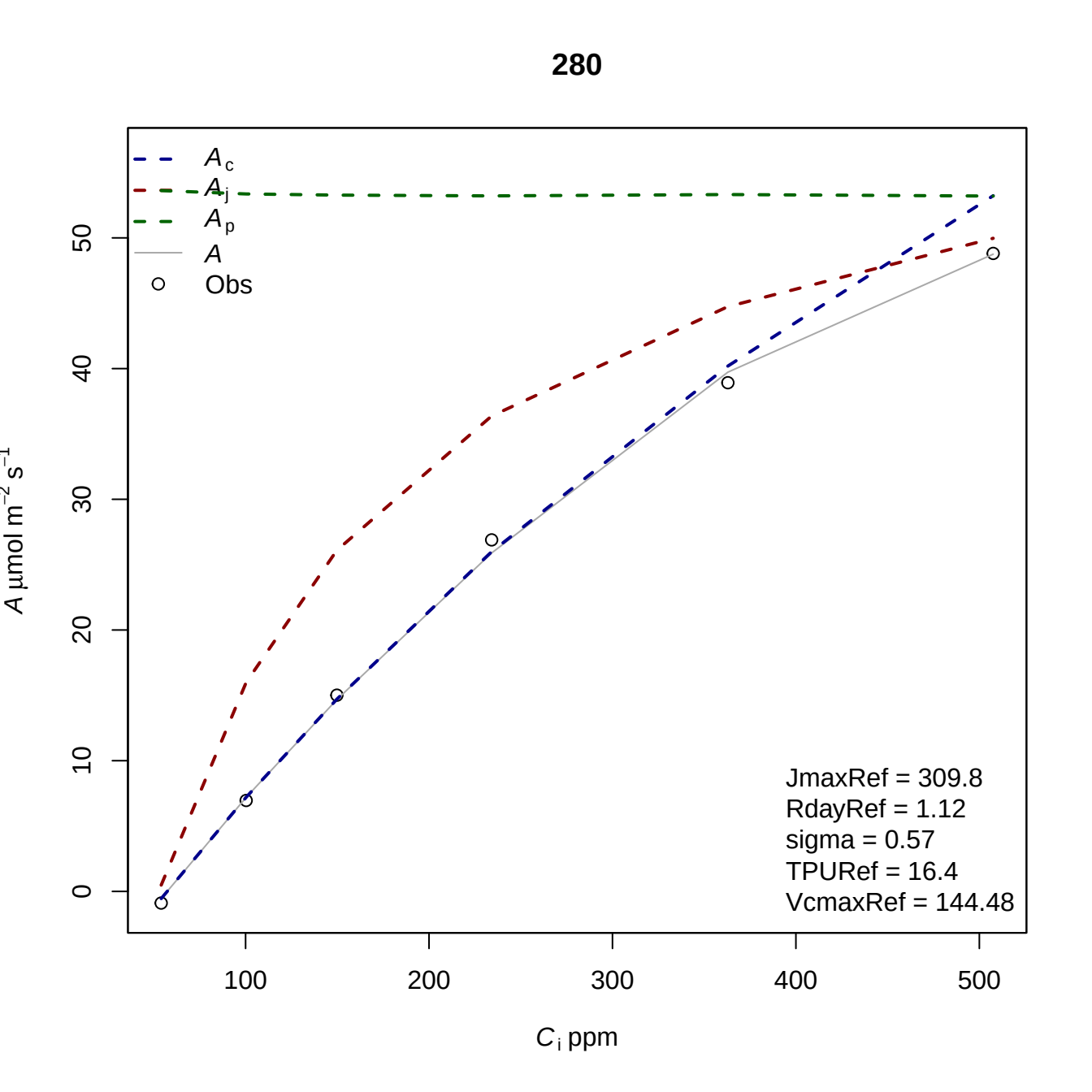

275
A_c
A_j
A_p
A
Obs
JmaxRef = 289.57
RdayRef = 0.36
sigma = 0.7
TPURef = 14.1
VcmaxRef = 151.62
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

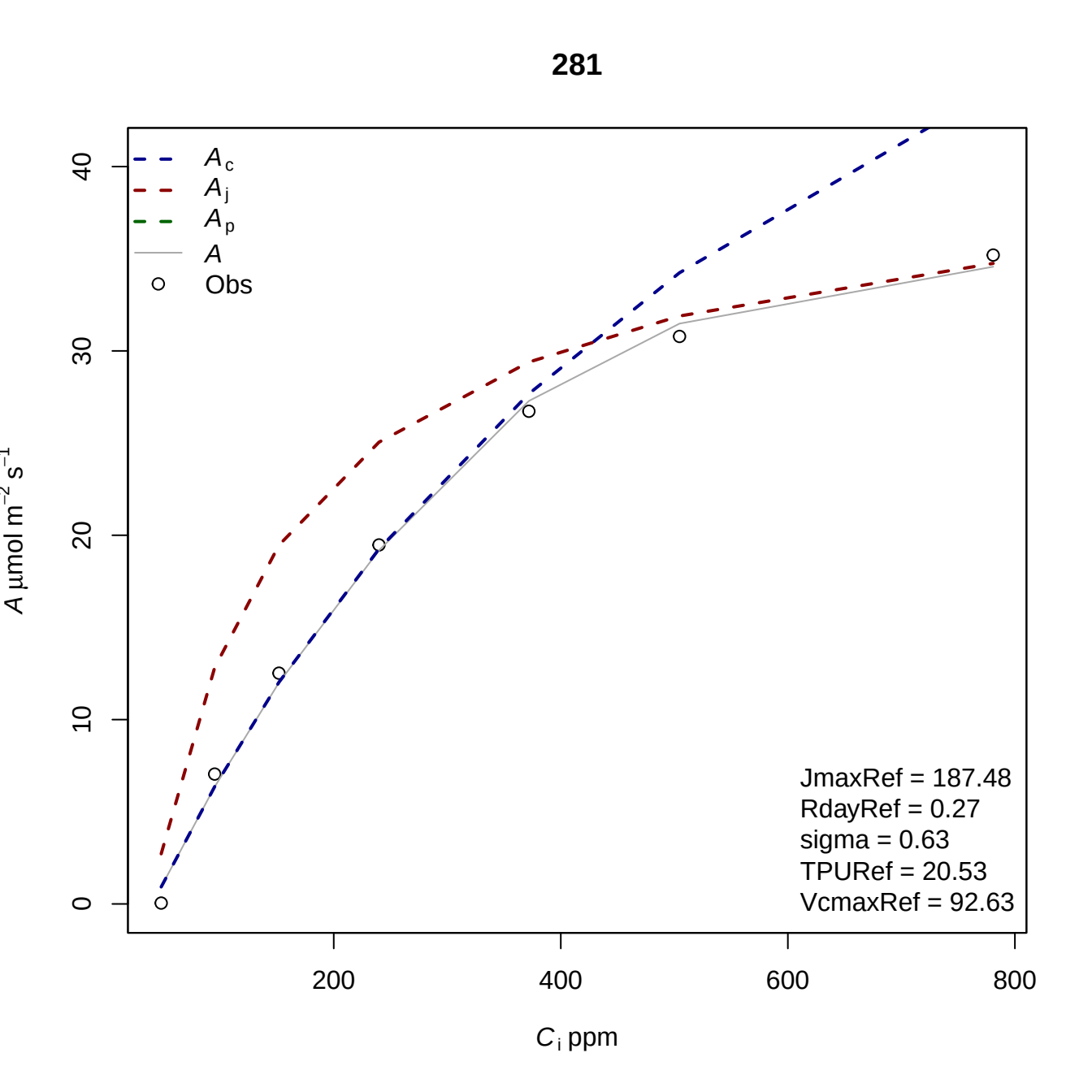

276
A_c
A_j
A_p
A
Obs
JmaxRef = 280.14
RdayRef = 0.17
sigma = 0.13
TPURef = 11.2
VcmaxRef = 174.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400

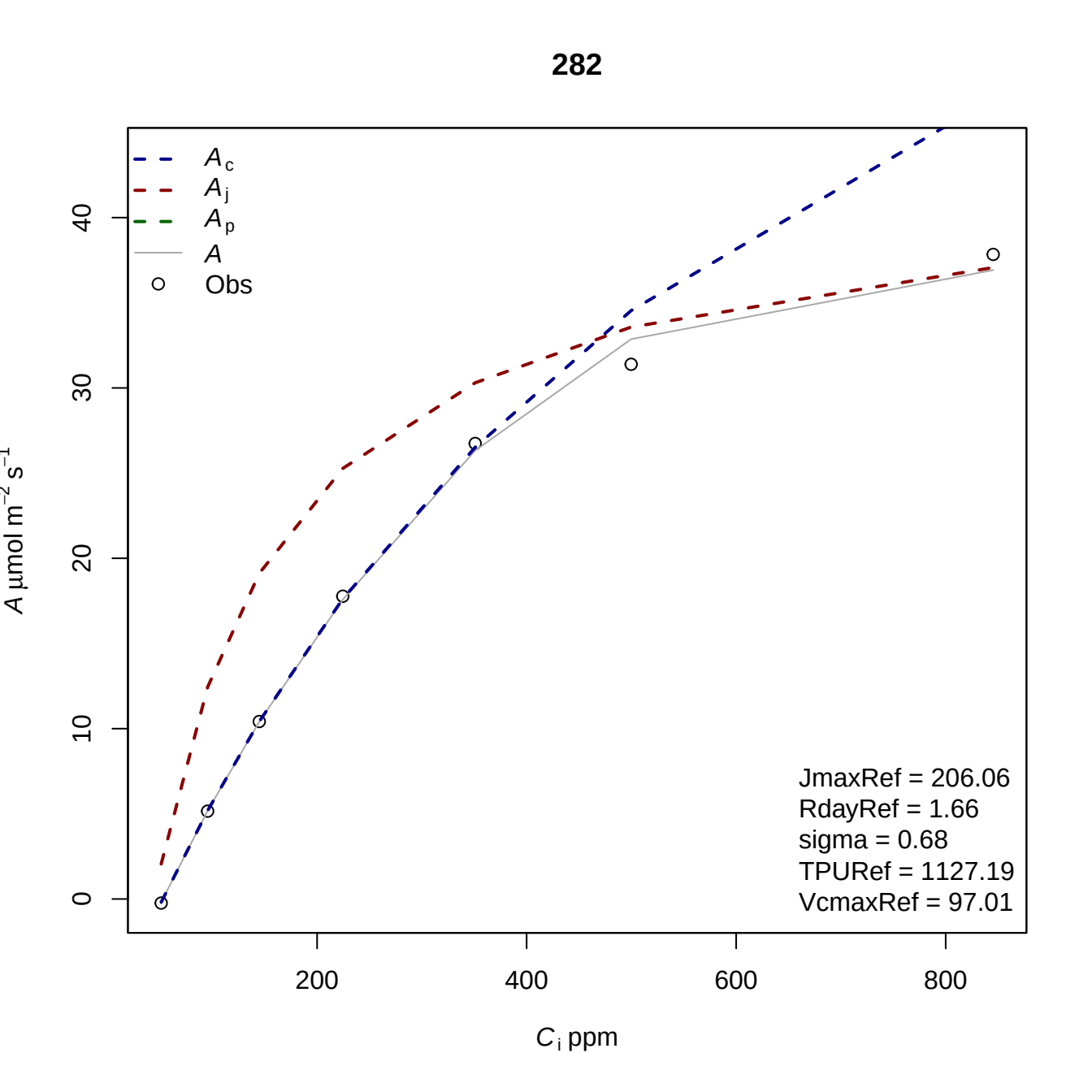

277
A_c
A_j
A_p
A
Obs
JmaxRef = 263.26
RdayRef = 0.3
sigma = 0.58
TPURef = 30.28
VcmaxRef = 132.26
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

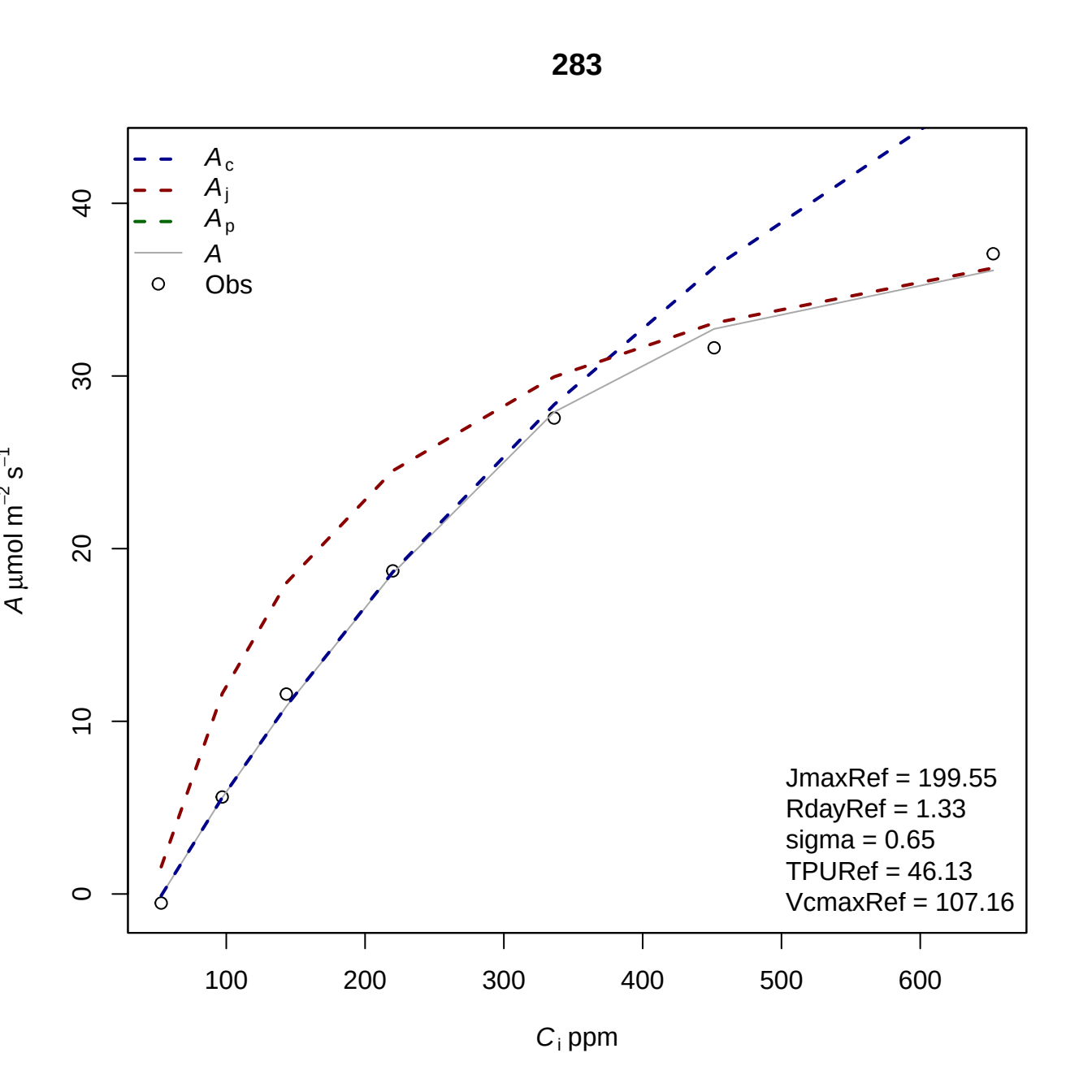

278
A_c
A_j
A_p
A
Obs
JmaxRef = 312.08
RdayRef = −0.4
sigma = 1.14
TPURef = 19.02
VcmaxRef = 137.46
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

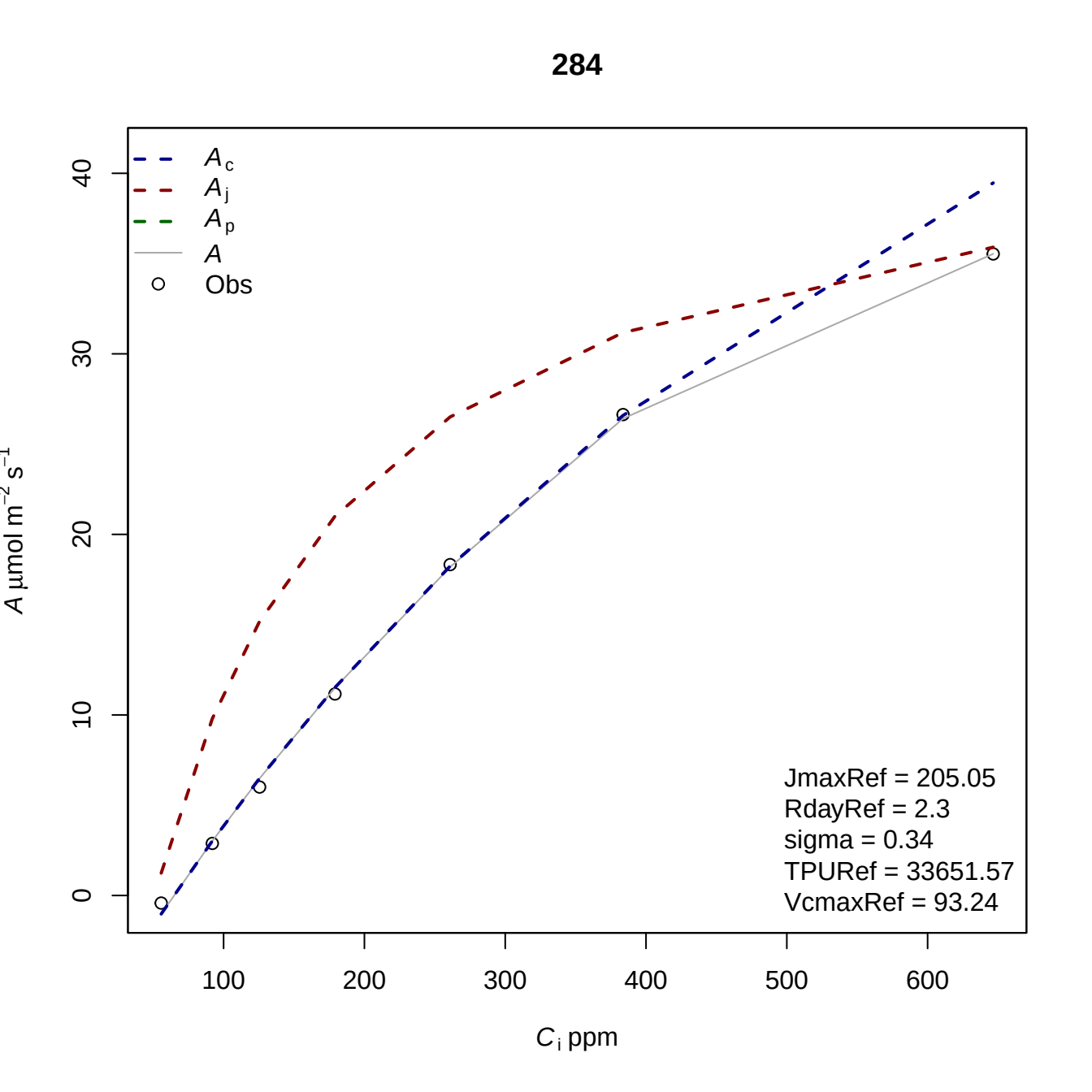

279
A_c
A_j
A_p
A
Obs
JmaxRef = 307.34
RdayRef = 0.66
sigma = 0.61
TPURef = 16.12
VcmaxRef = 139.9
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

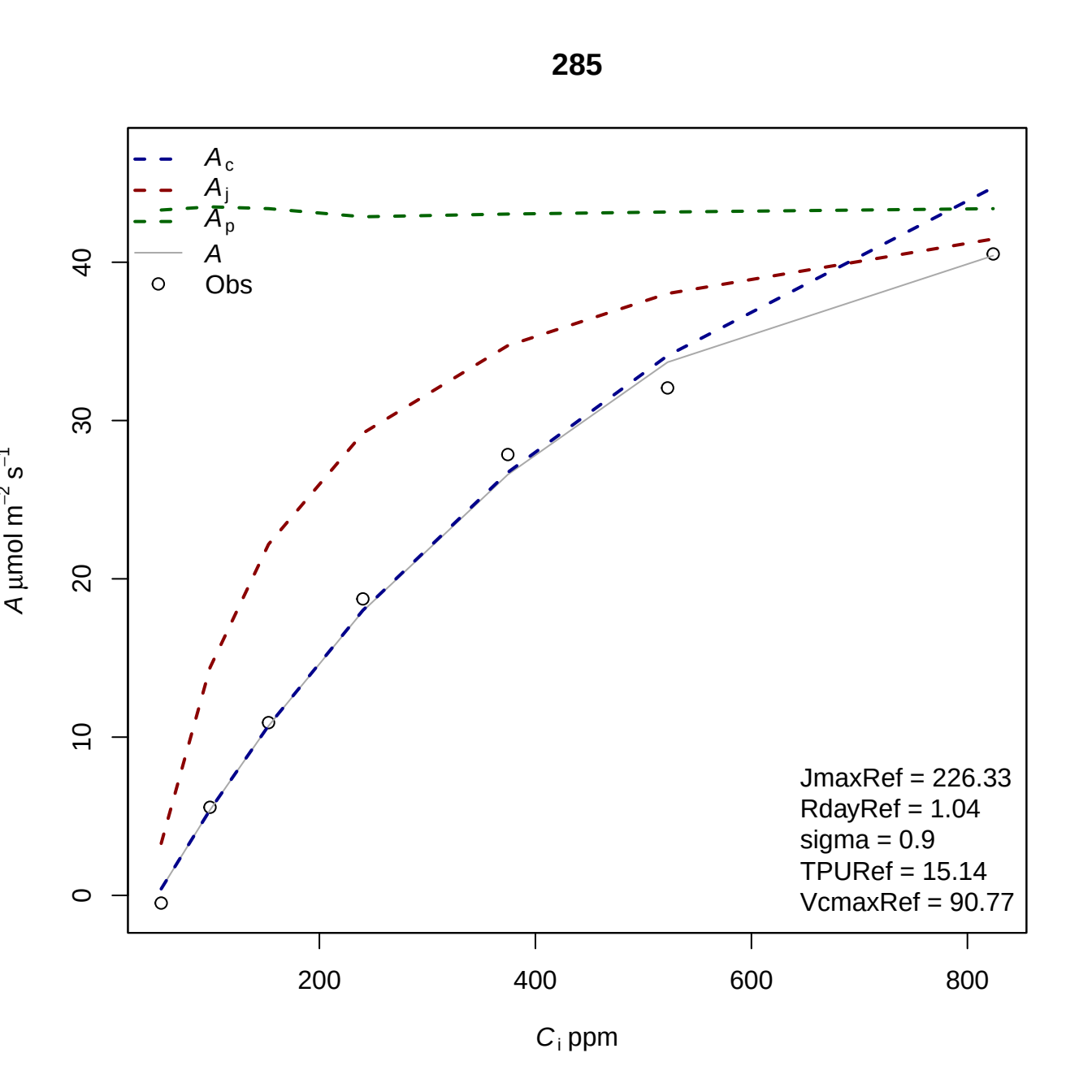

280
A_c
A_j
A_p
A
Obs
JmaxRef = 309.8
RdayRef = 1.12
sigma = 0.57
TPURef = 16.4
VcmaxRef = 144.48
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

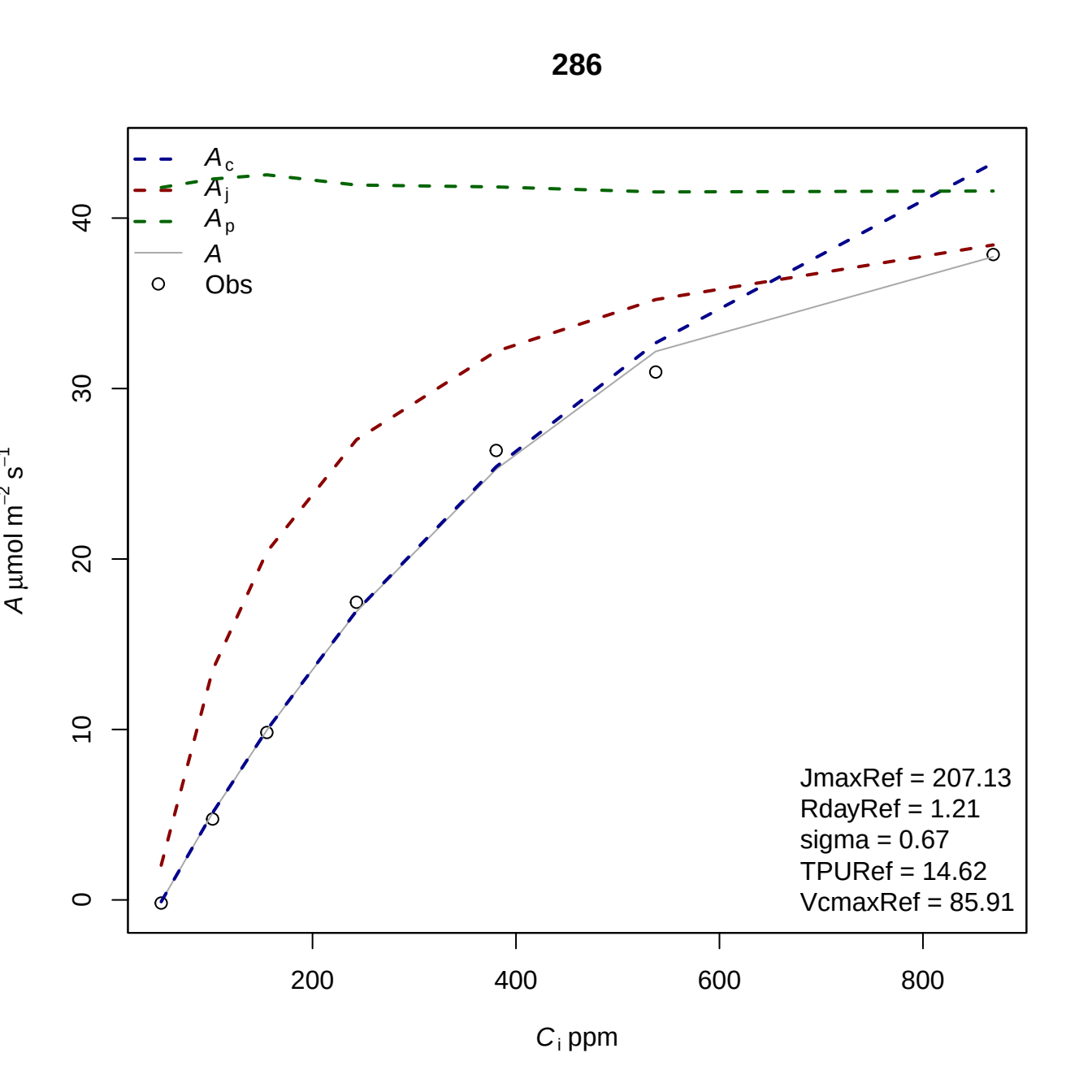

281
A_c
A_j
A_p
A
Obs
JmaxRef = 187.48
RdayRef = 0.27
sigma = 0.63
TPURef = 20.53
VcmaxRef = 92.63
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

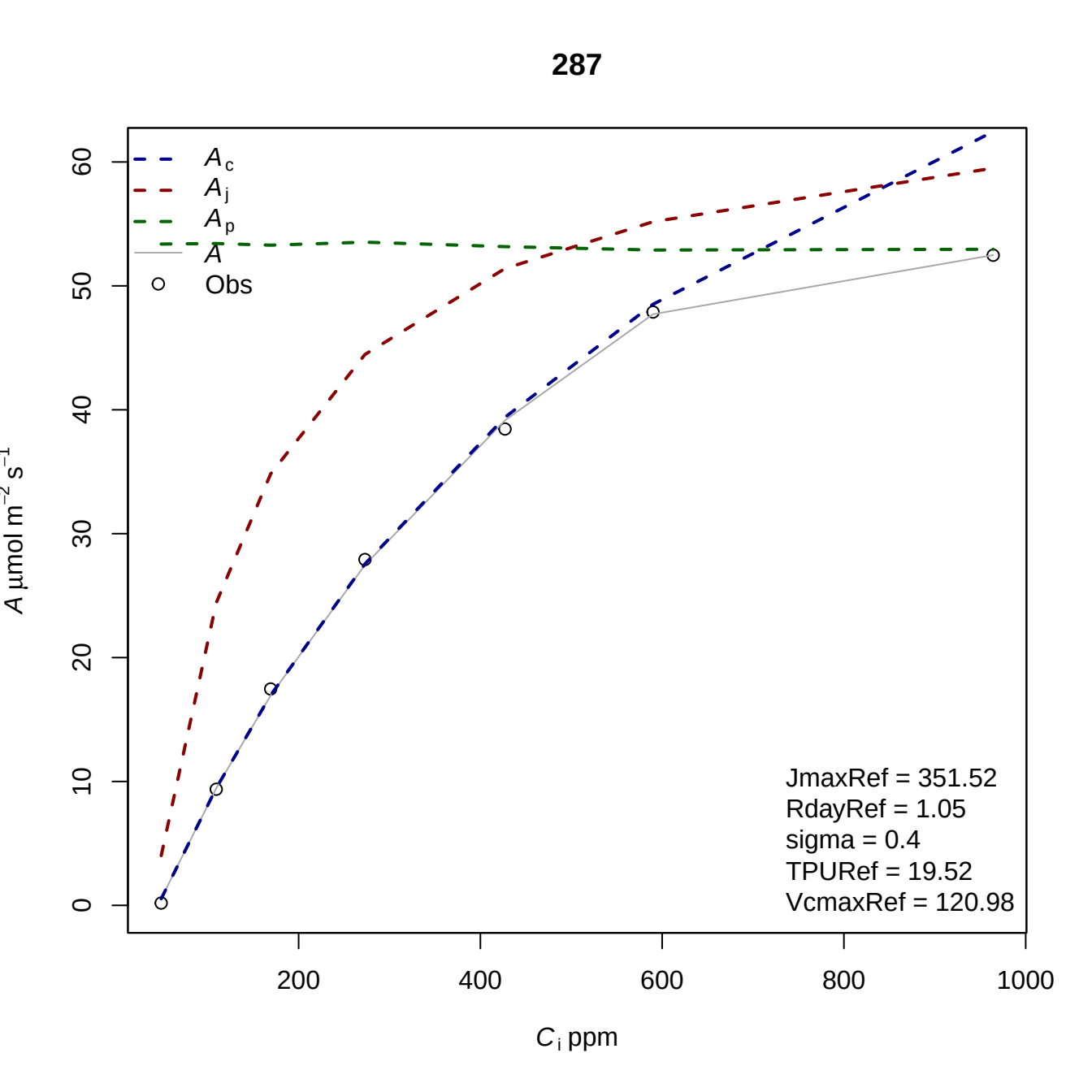

282
A_c
A_j
A_p
A
Obs
JmaxRef = 206.06
RdayRef = 1.66
sigma = 0.68
TPURef = 1127.19
VcmaxRef = 97.01
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

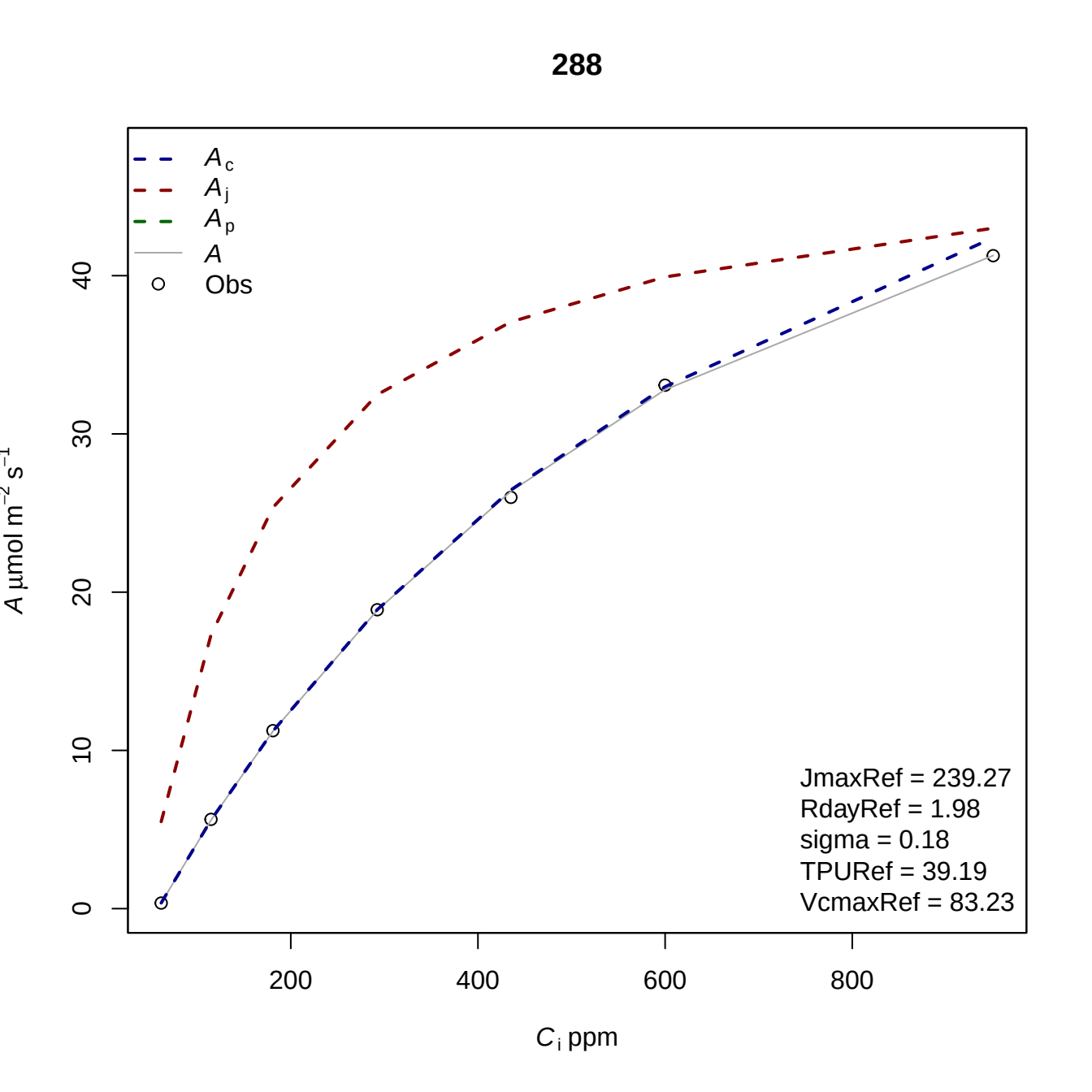

283
A_c
A_j
A_p
A
Obs
JmaxRef = 199.55
RdayRef = 1.33
sigma = 0.65
TPURef = 46.13
VcmaxRef = 107.16
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

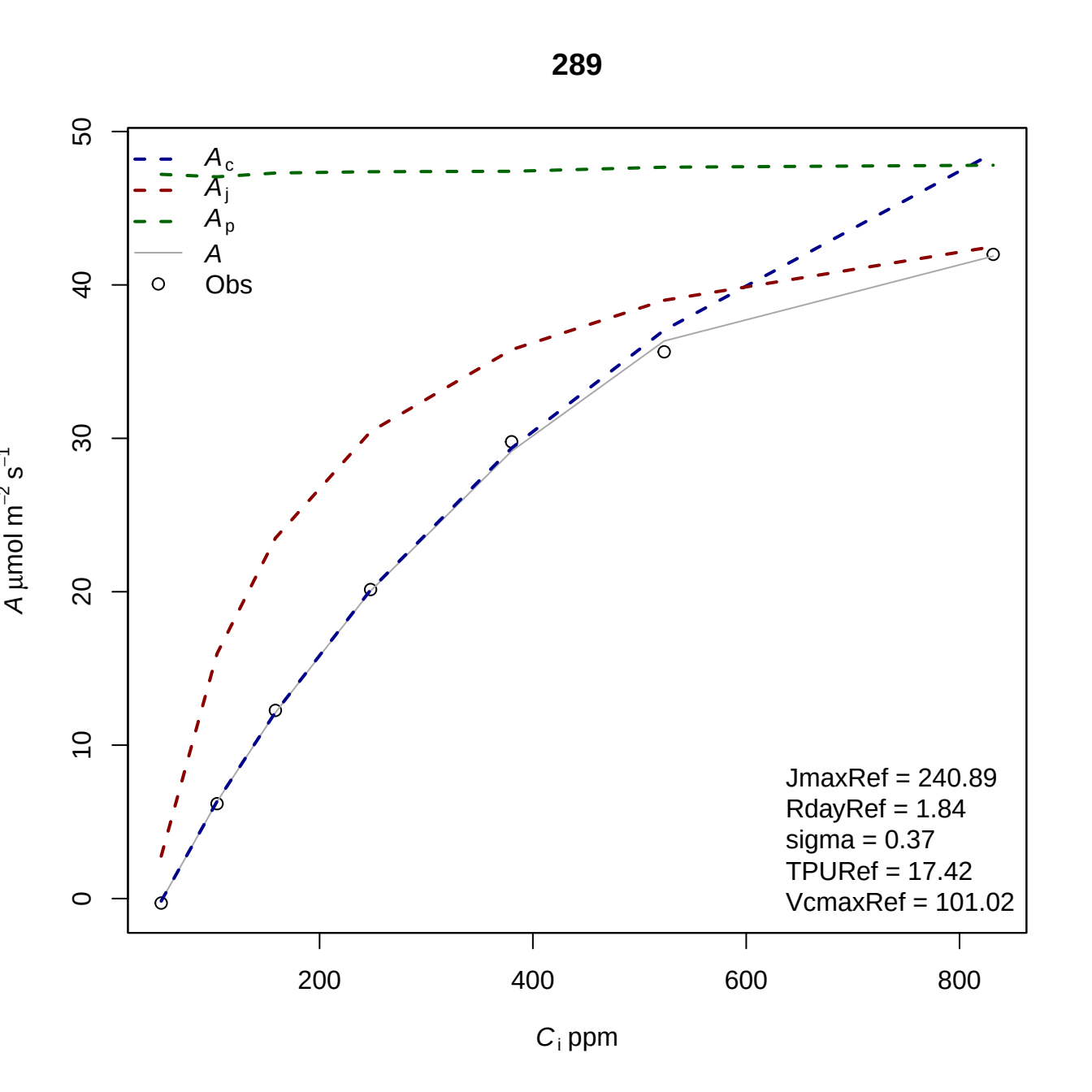

284
A_c
A_j
A_p
A
Obs
JmaxRef = 205.05
RdayRef = 2.3
sigma = 0.34
TPURef = 33651.57
VcmaxRef = 93.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

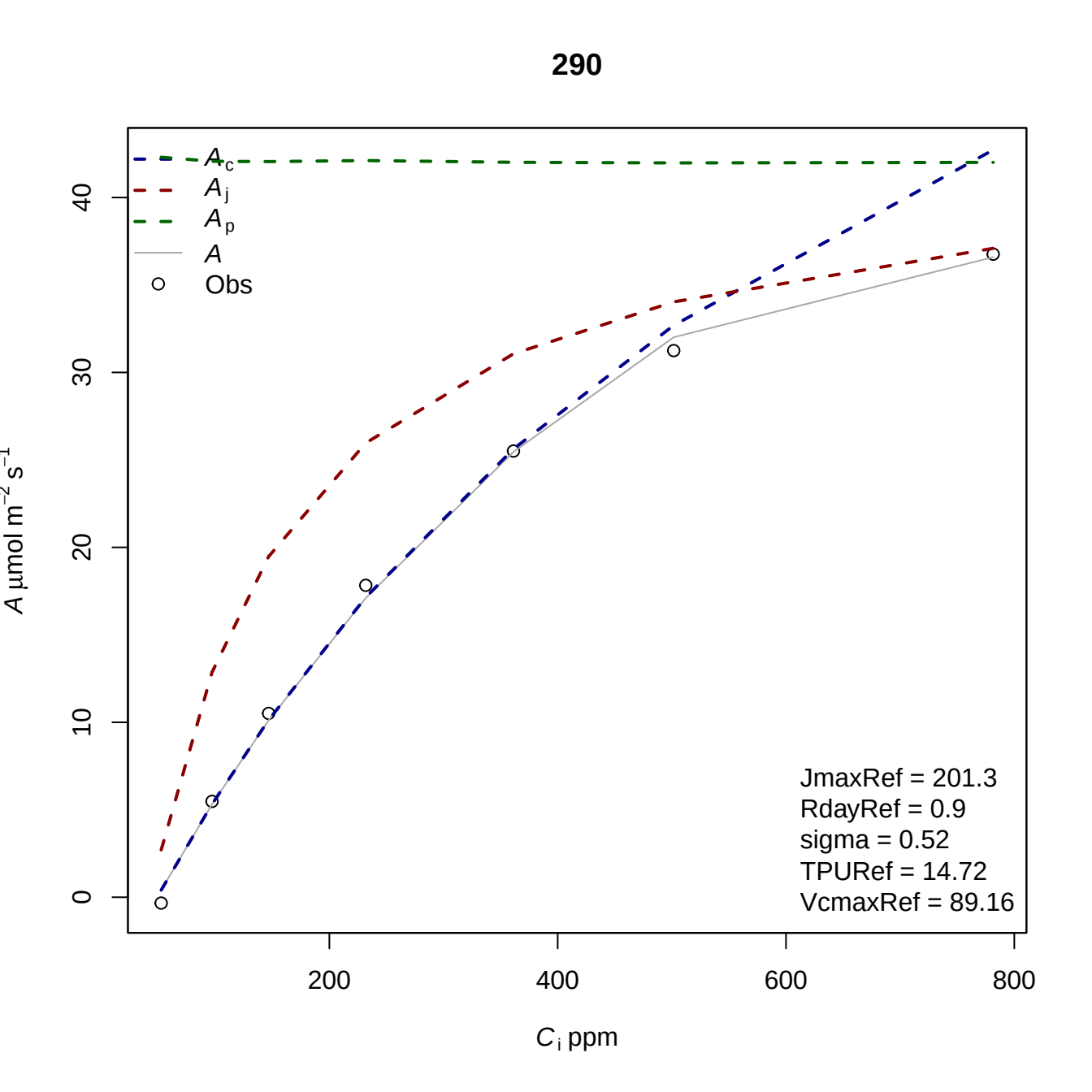

285
A_c
A_j
A_p
A
Obs
JmaxRef = 226.33
RdayRef = 1.04
sigma = 0.9
TPURef = 15.14
VcmaxRef = 90.77
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

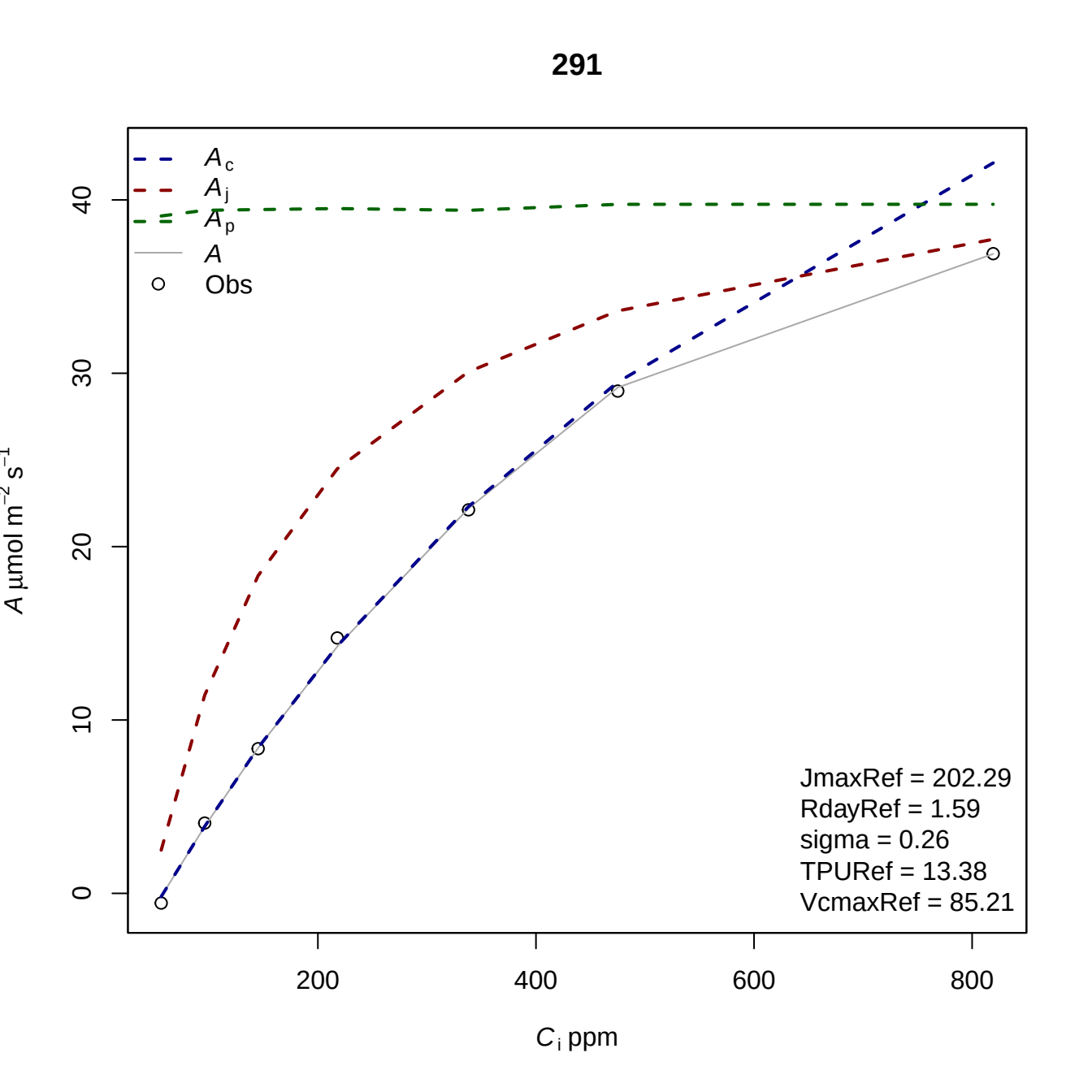

286
A_c
A_j
A_p
A
Obs
JmaxRef = 207.13
RdayRef = 1.21
sigma = 0.67
TPURef = 14.62
VcmaxRef = 85.91
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

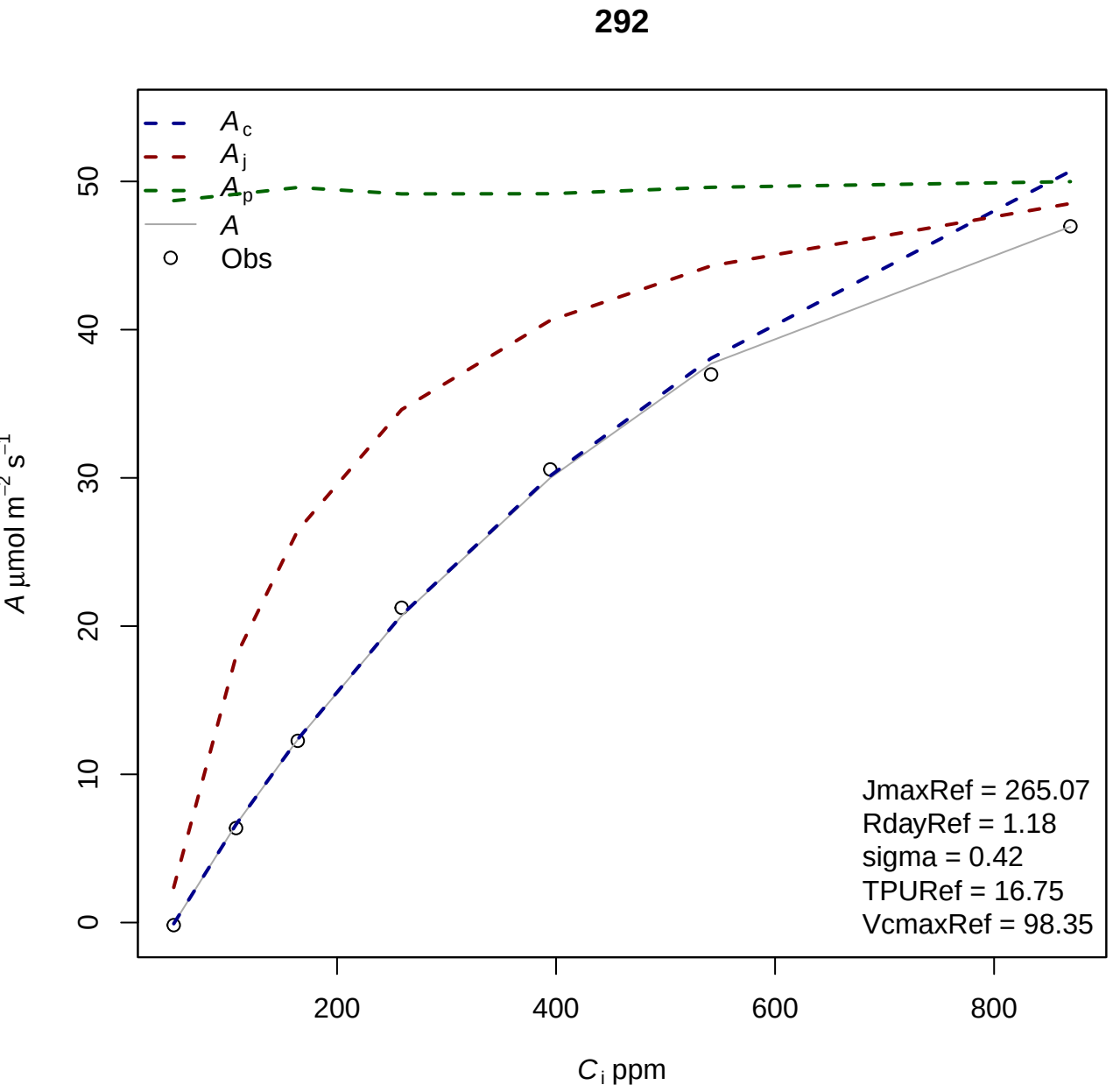

287
A_c
A_j
A_p
A
Obs
JmaxRef = 351.52
RdayRef = 1.05
sigma = 0.4
TPURef = 19.52
VcmaxRef = 120.98
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000

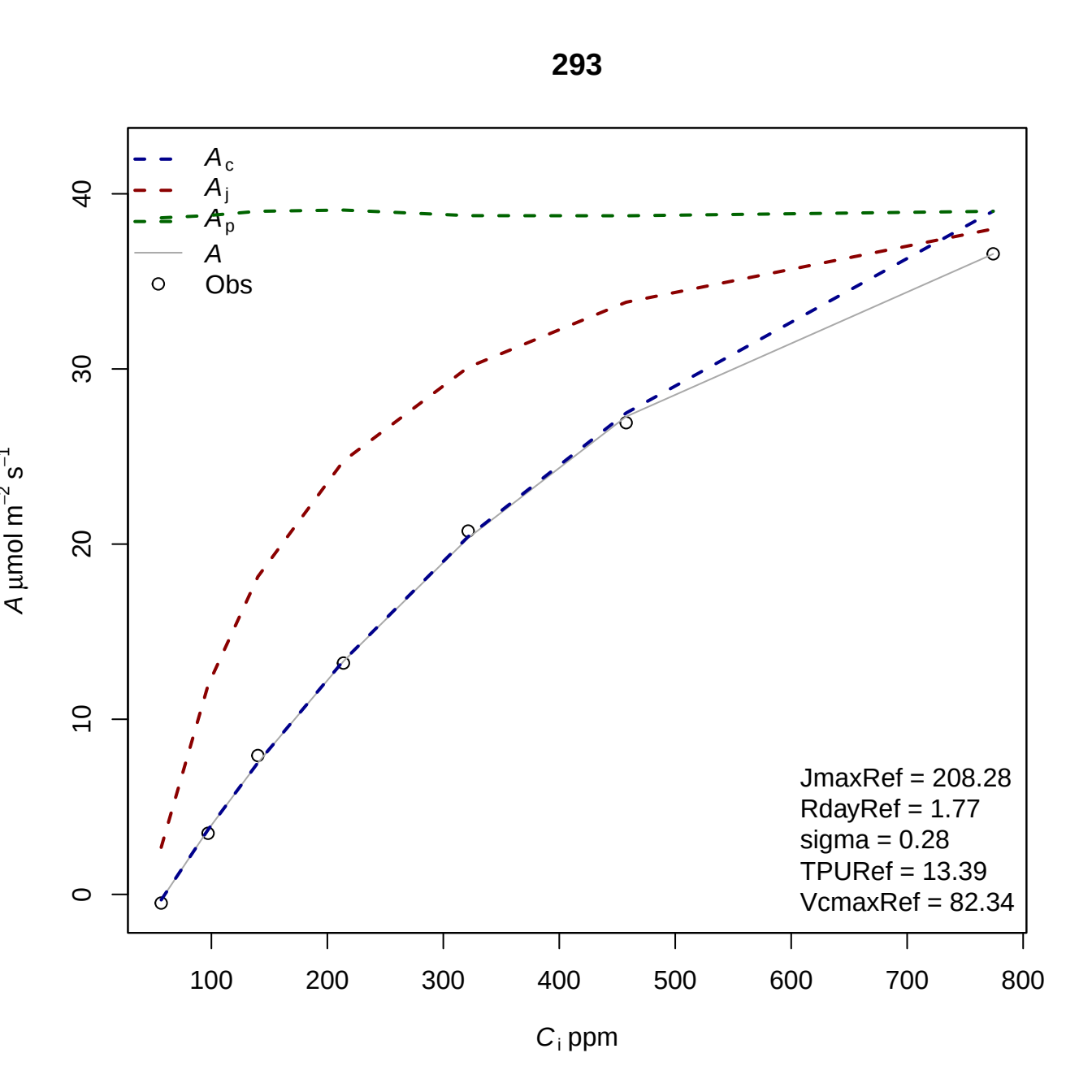

288
A_c
A_j
A_p
A
Obs
JmaxRef = 239.27
RdayRef = 1.98
sigma = 0.18
TPURef = 39.19
VcmaxRef = 83.23
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

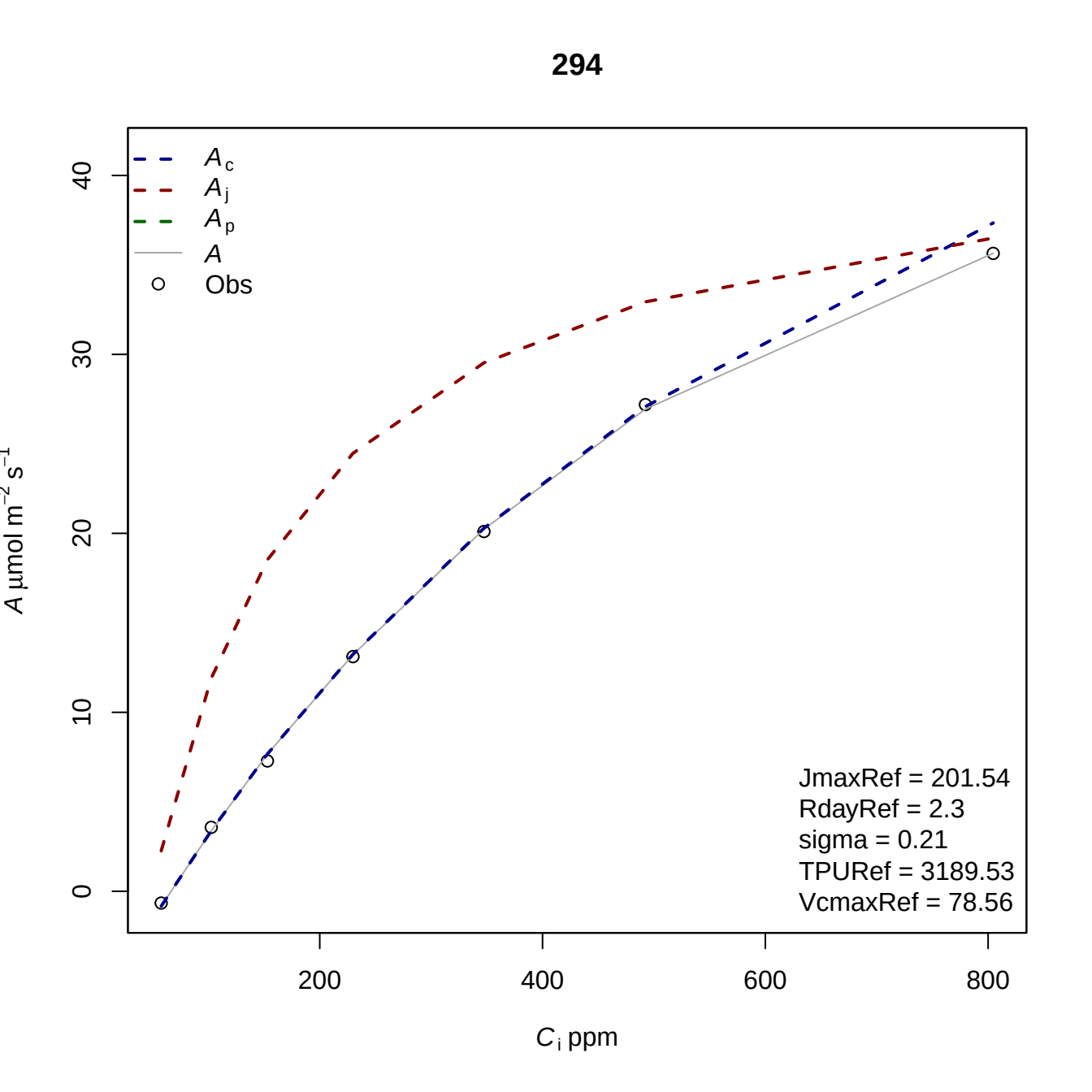

289
A_c
A_j
A_p
A
Obs
JmaxRef = 240.89
RdayRef = 1.84
sigma = 0.37
TPURef = 17.42
VcmaxRef = 101.02
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800

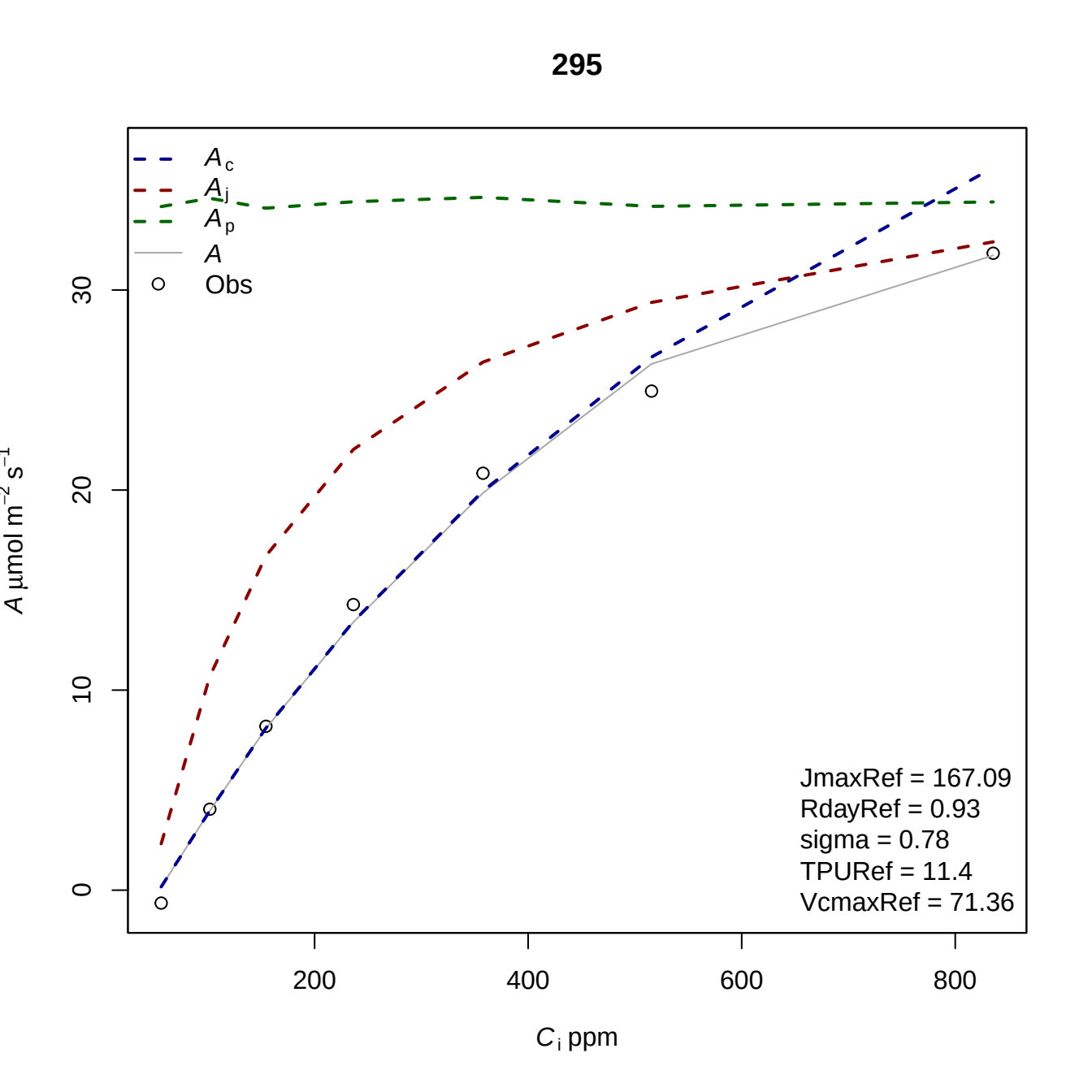

290
A_c
A_j
A_p
A
Obs
JmaxRef = 201.3
RdayRef = 0.9
sigma = 0.52
TPURef = 14.72
VcmaxRef = 89.16
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800

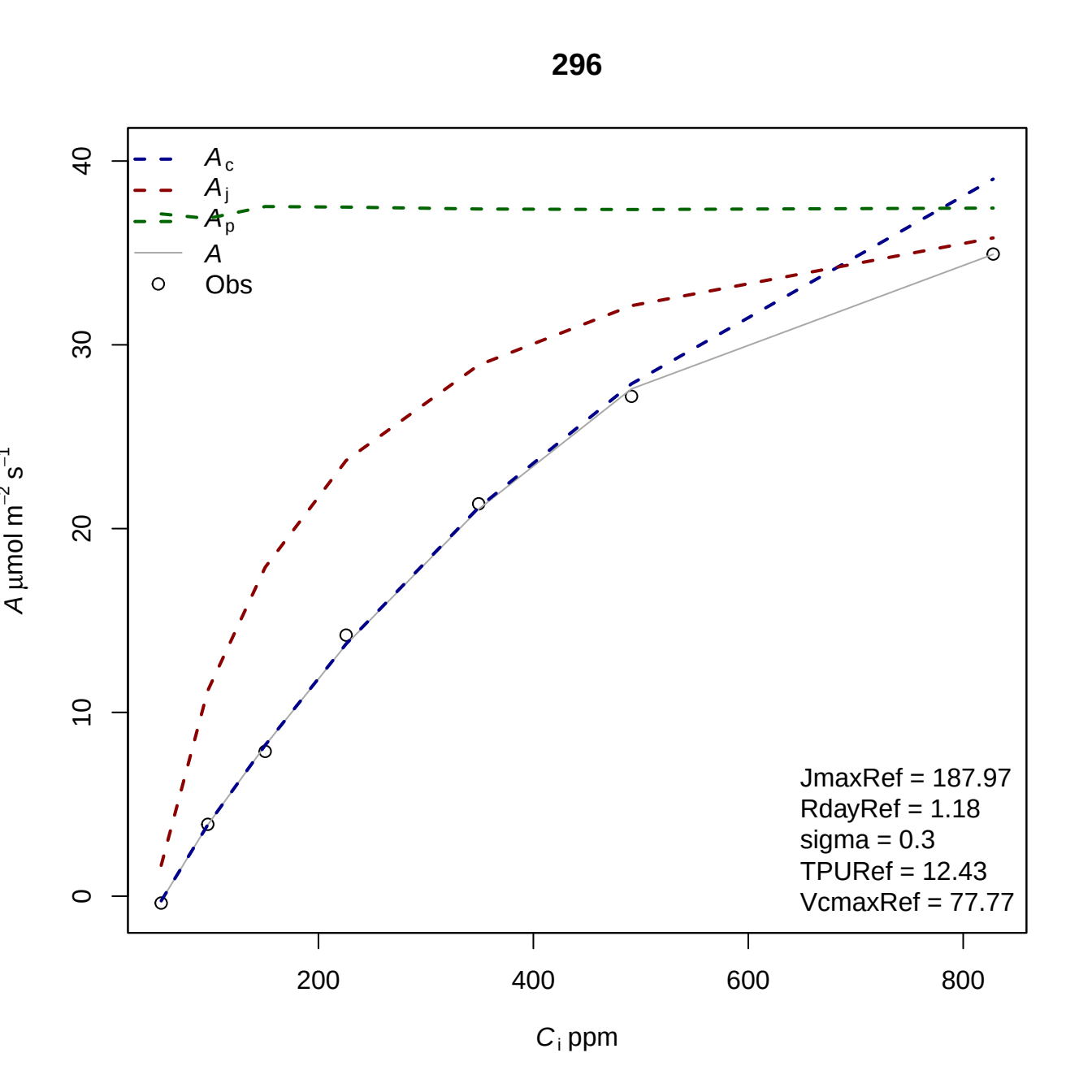

291
A_c
A_j
A_p
A
Obs
JmaxRef = 202.29
RdayRef = 1.59
sigma = 0.26
TPURef = 13.38
VcmaxRef = 85.21
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

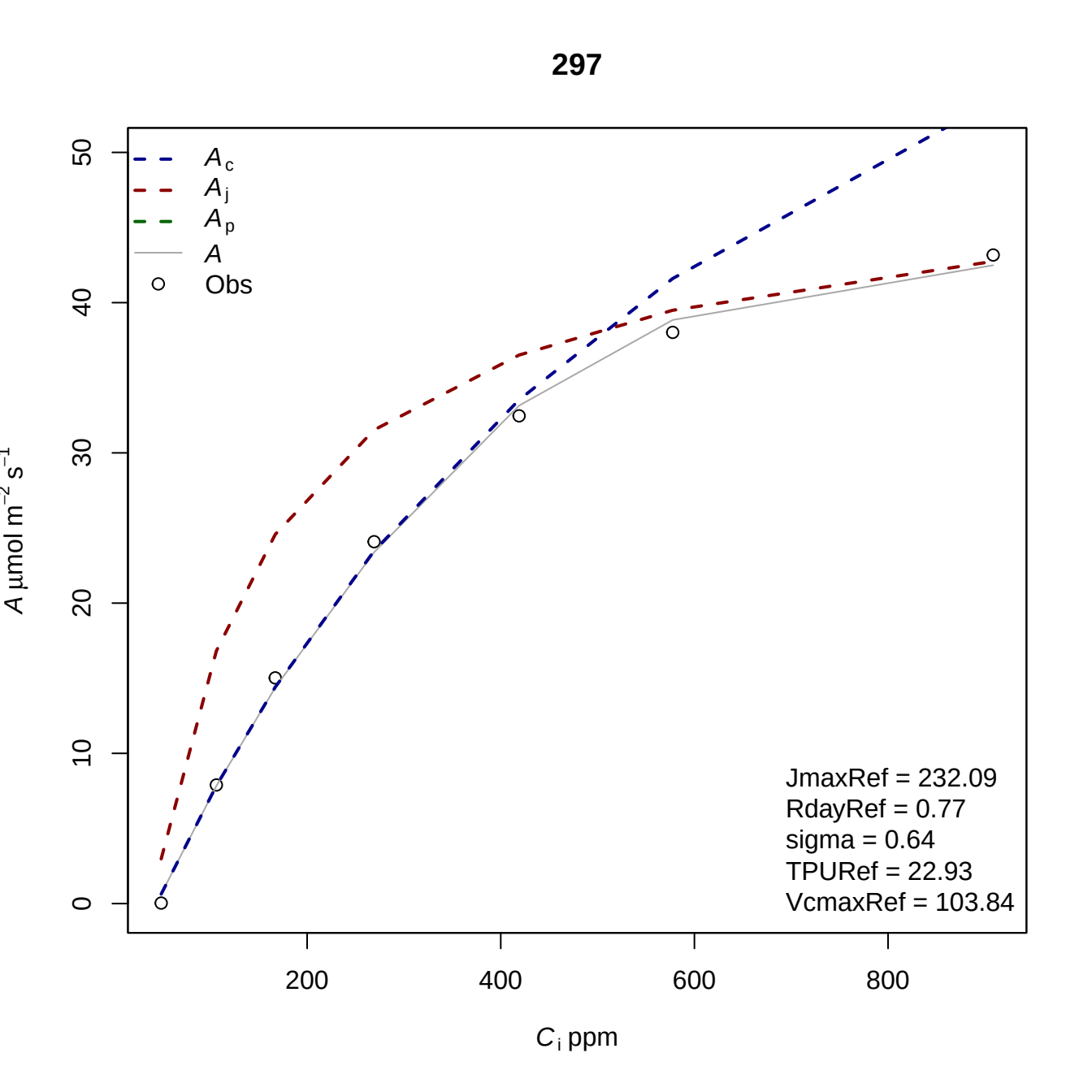

292
A_c
A_j
A_p
A
Obs
JmaxRef = 265.07
RdayRef = 1.18
sigma = 0.42
TPURef = 16.75
VcmaxRef = 98.35
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

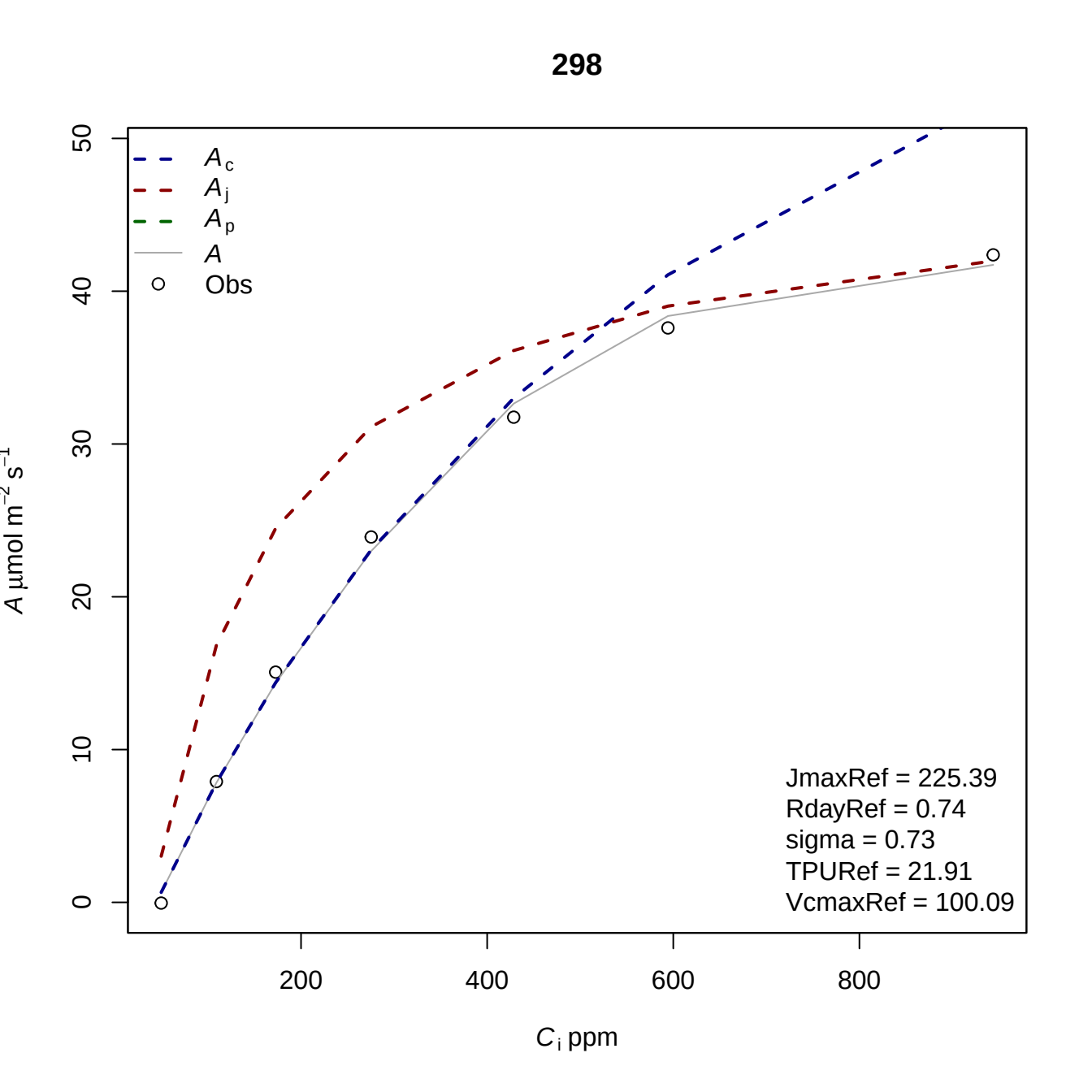

293
A_c
A_j
A_p
A
Obs
JmaxRef = 208.28
RdayRef = 1.77
sigma = 0.28
TPURef = 13.39
VcmaxRef = 82.34
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600
700
800

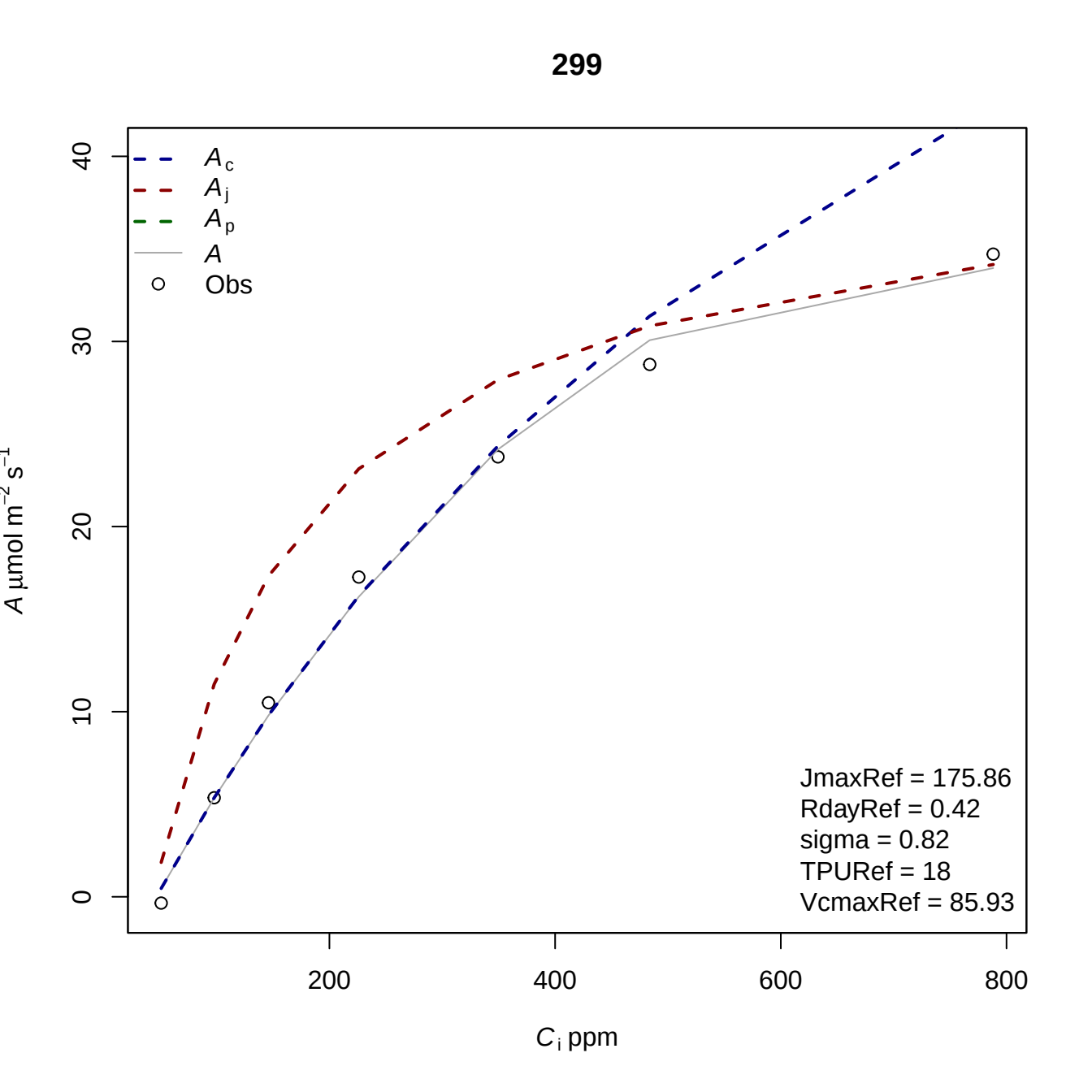

294
A_c
A_j
A_p
A
Obs
A µmol m^{-2} s^{-1}
0
10
20
30
40
200
400
600
800
C_i ppm
JmaxRef = 201.54
RdayRef = 2.3
sigma = 0.21
TPURef = 3189.53
VcmaxRef = 78.56

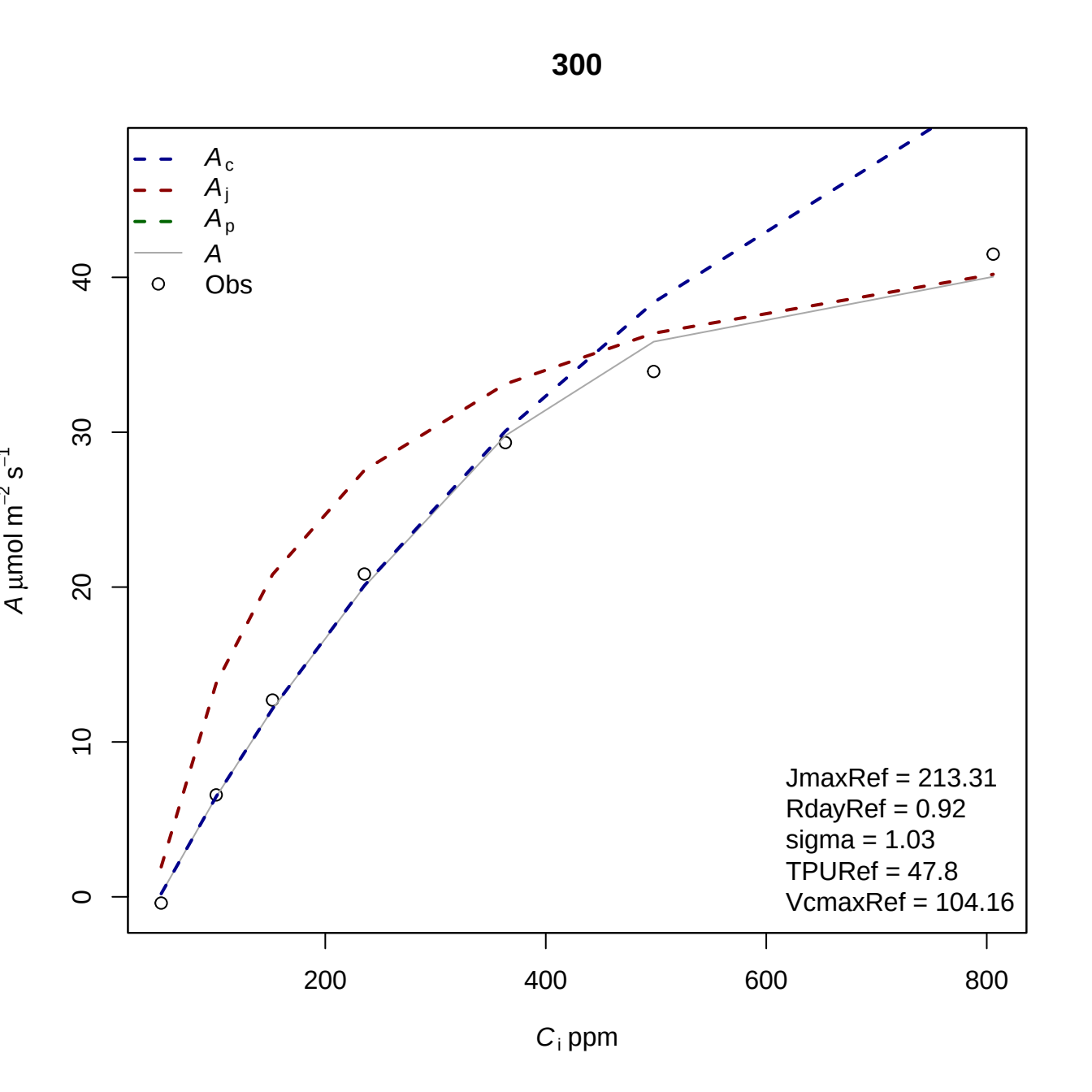

295
A_c
A_j
A_p
A
Obs
JmaxRef = 167.09
RdayRef = 0.93
sigma = 0.78
TPURef = 11.4
VcmaxRef = 71.36
0
10
20
30
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

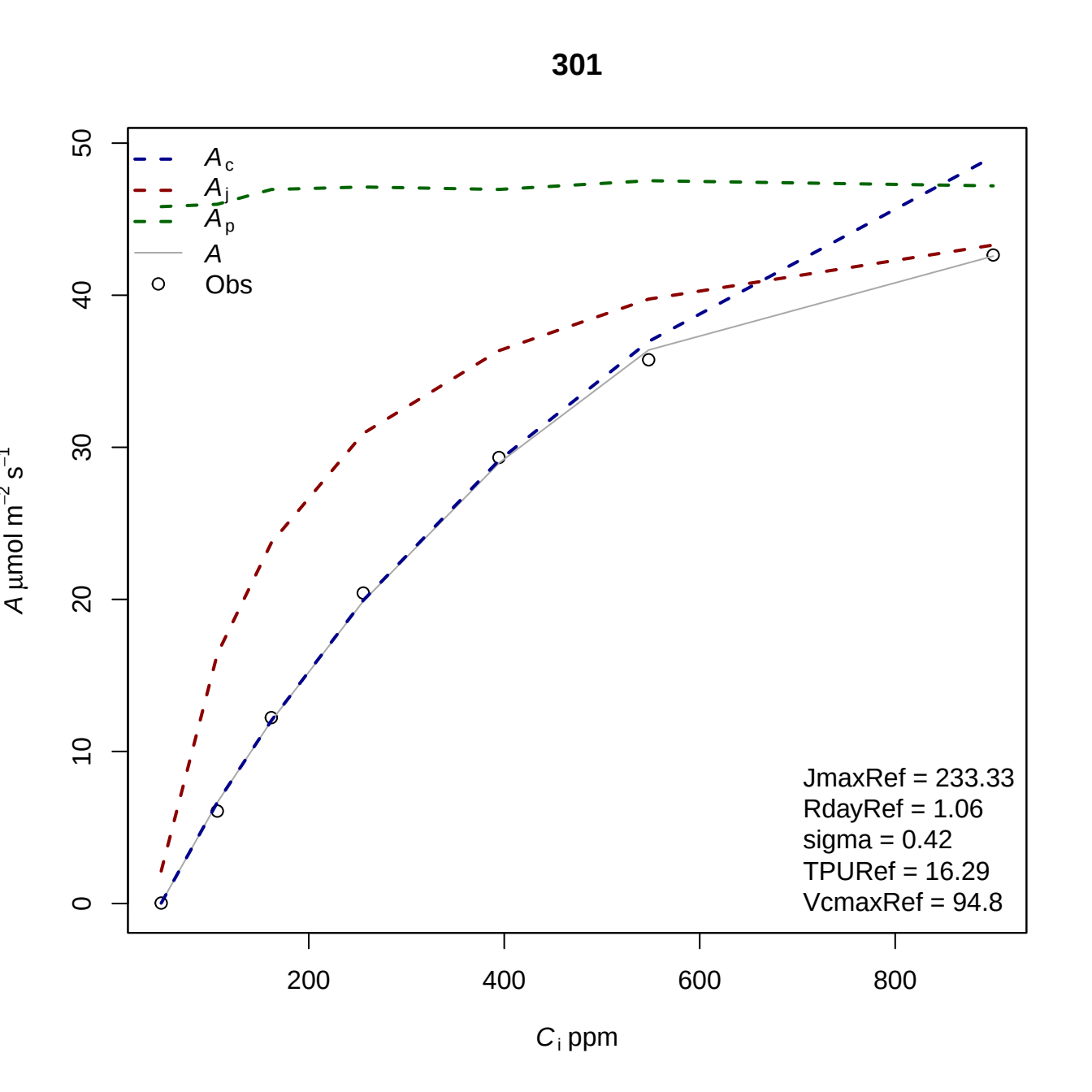

296
A_c
A_j
A_p
A
Obs
JmaxRef = 187.97
RdayRef = 1.18
sigma = 0.3
TPURef = 12.43
VcmaxRef = 77.77
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

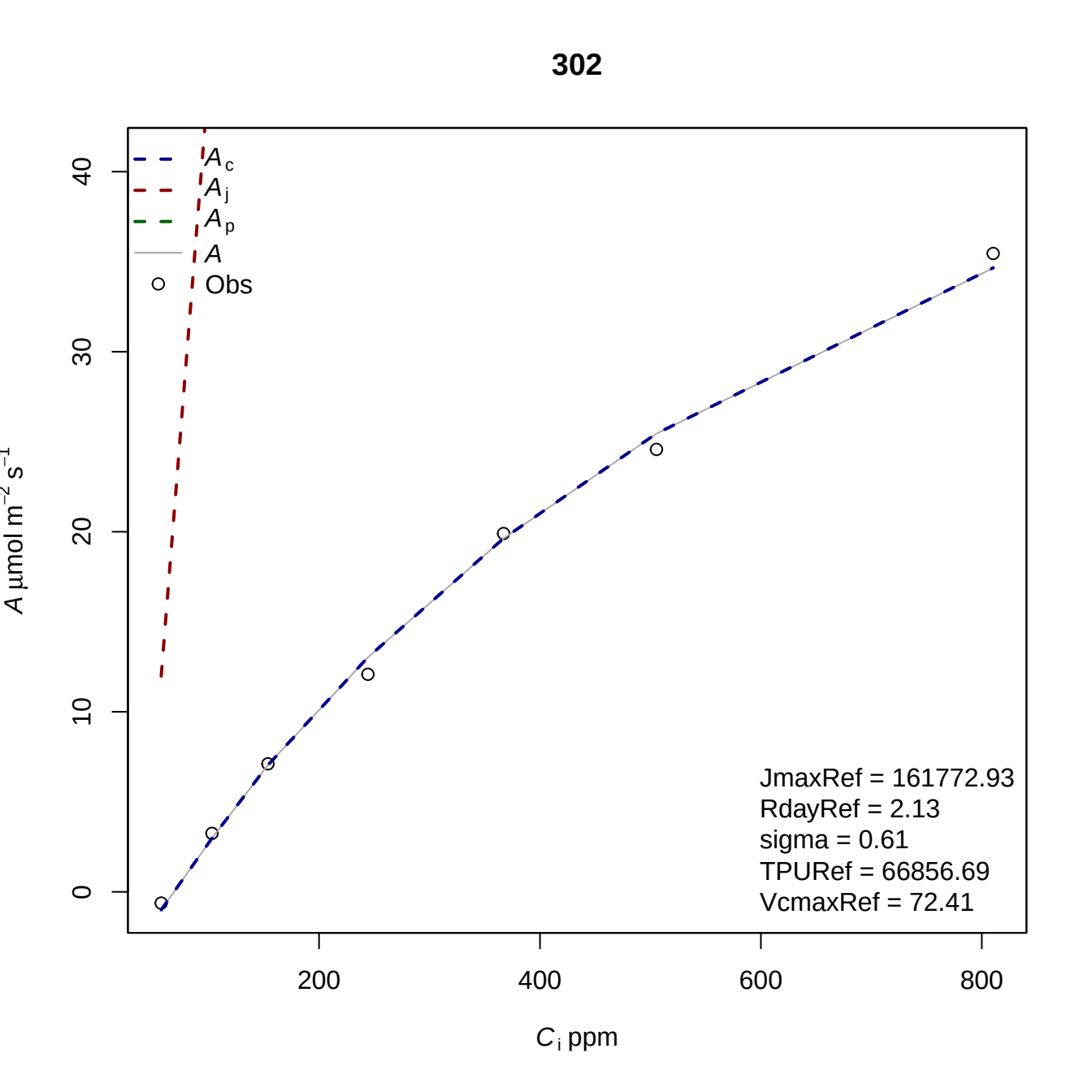

297
A_c
A_j
A_p
A
Obs
JmaxRef = 232.09
RdayRef = 0.77
sigma = 0.64
TPURef = 22.93
VcmaxRef = 103.84
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

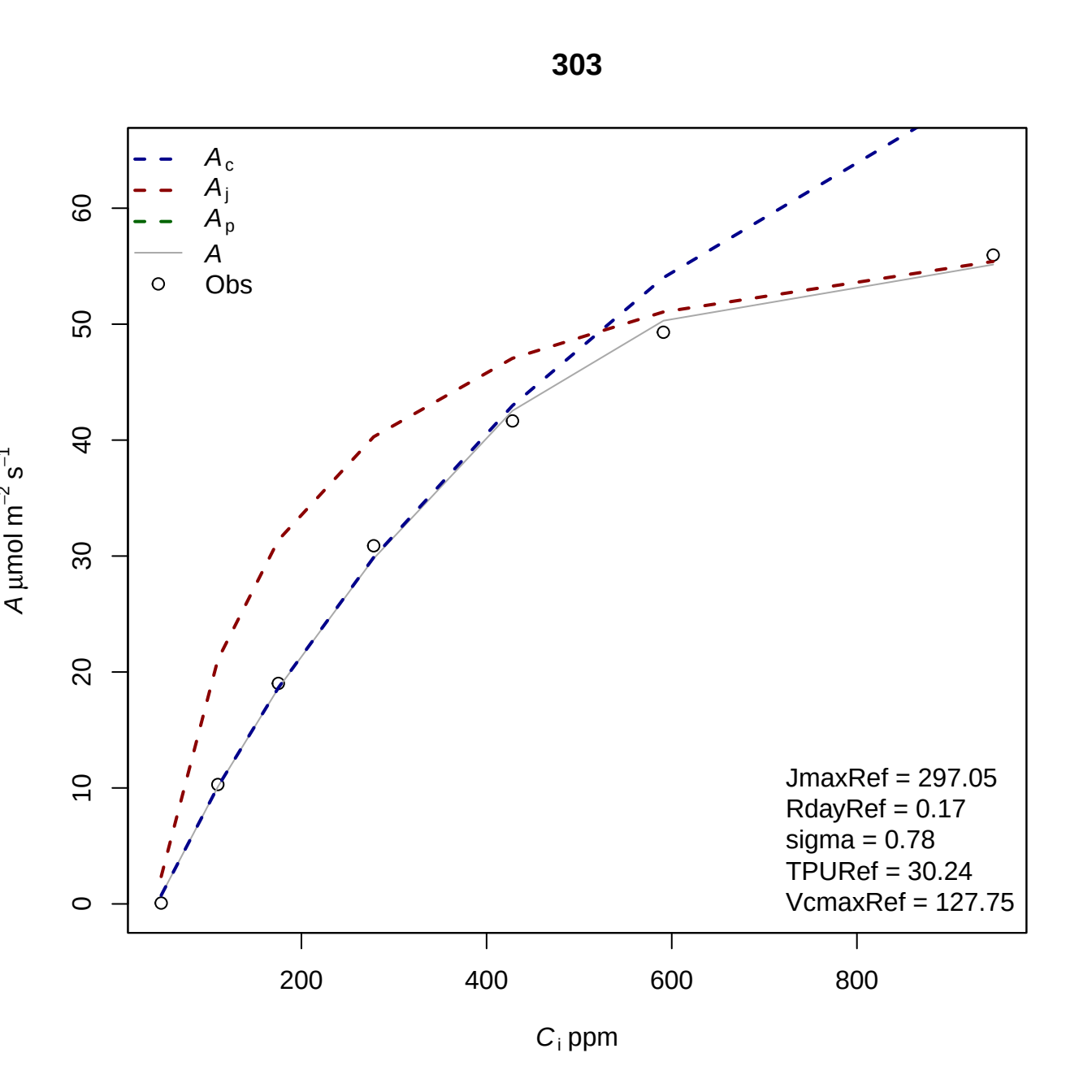

298
A_c
A_j
A_p
A
Obs
JmaxRef = 225.39
RdayRef = 0.74
sigma = 0.73
TPURef = 21.91
VcmaxRef = 100.09
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

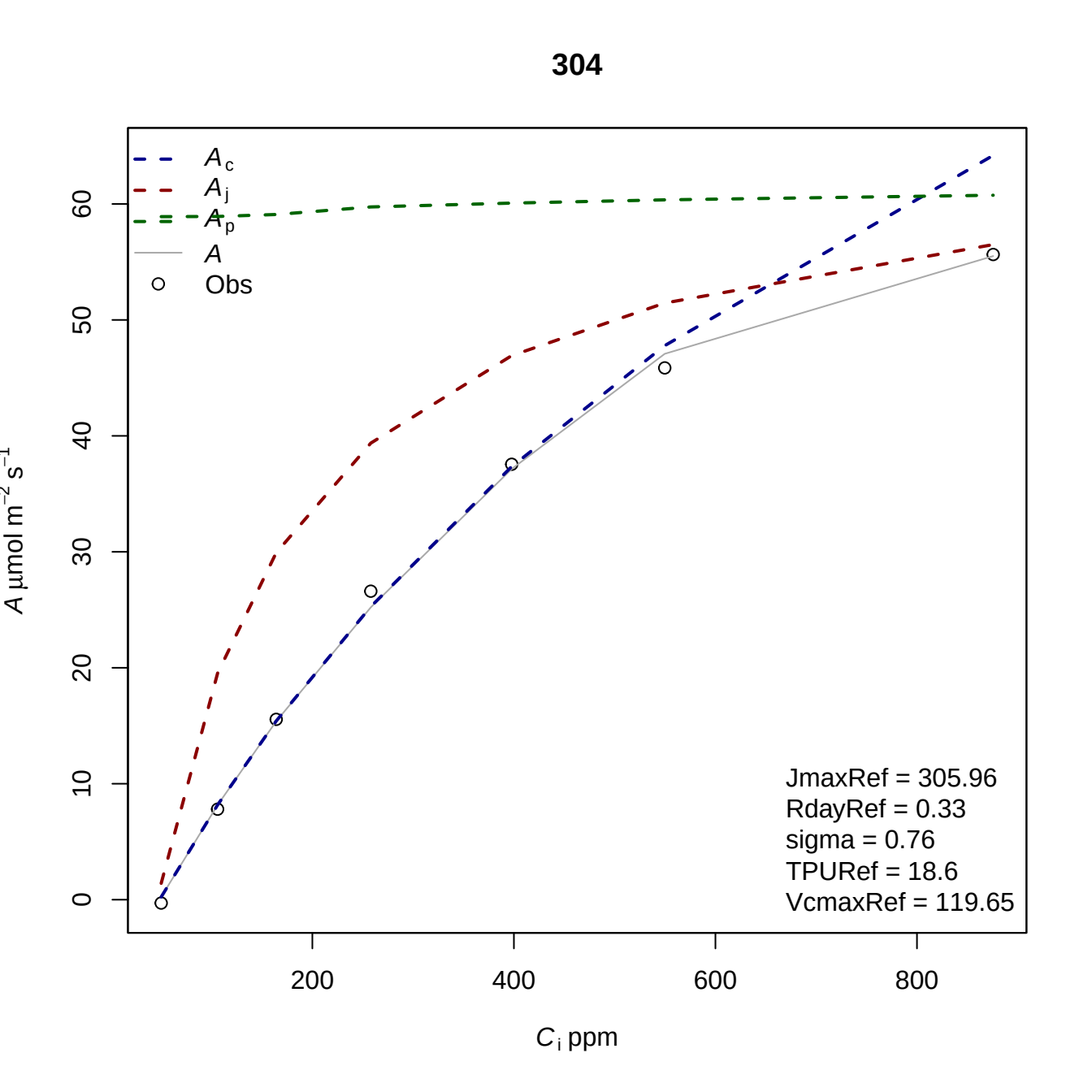

299
A_c
A_j
A_p
A
Obs
JmaxRef = 175.86
RdayRef = 0.42
sigma = 0.82
TPURef = 18
VcmaxRef = 85.93
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

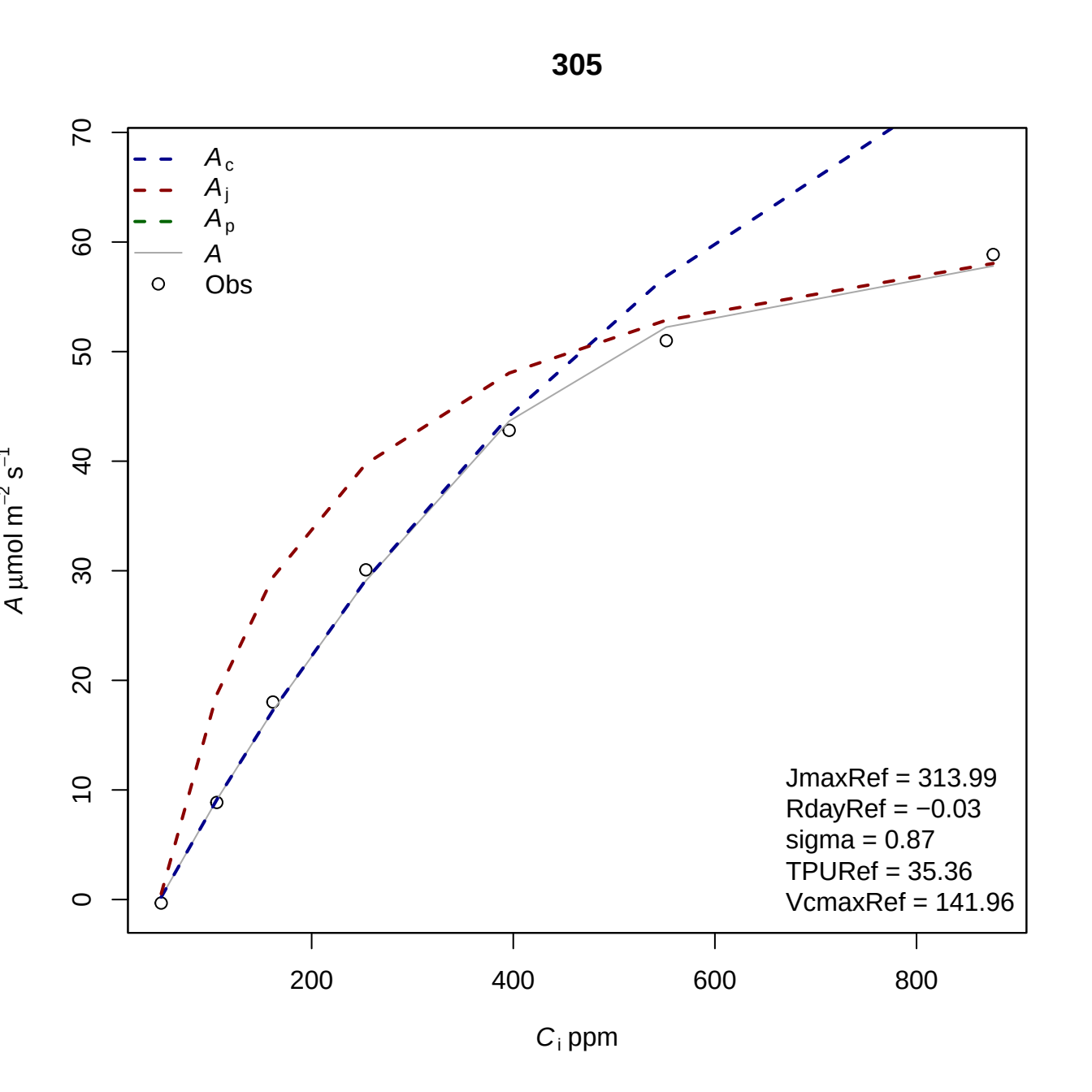

300
A_c
A_j
A_p
A
Obs
JmaxRef = 213.31
RdayRef = 0.92
sigma = 1.03
TPURef = 47.8
VcmaxRef = 104.16
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

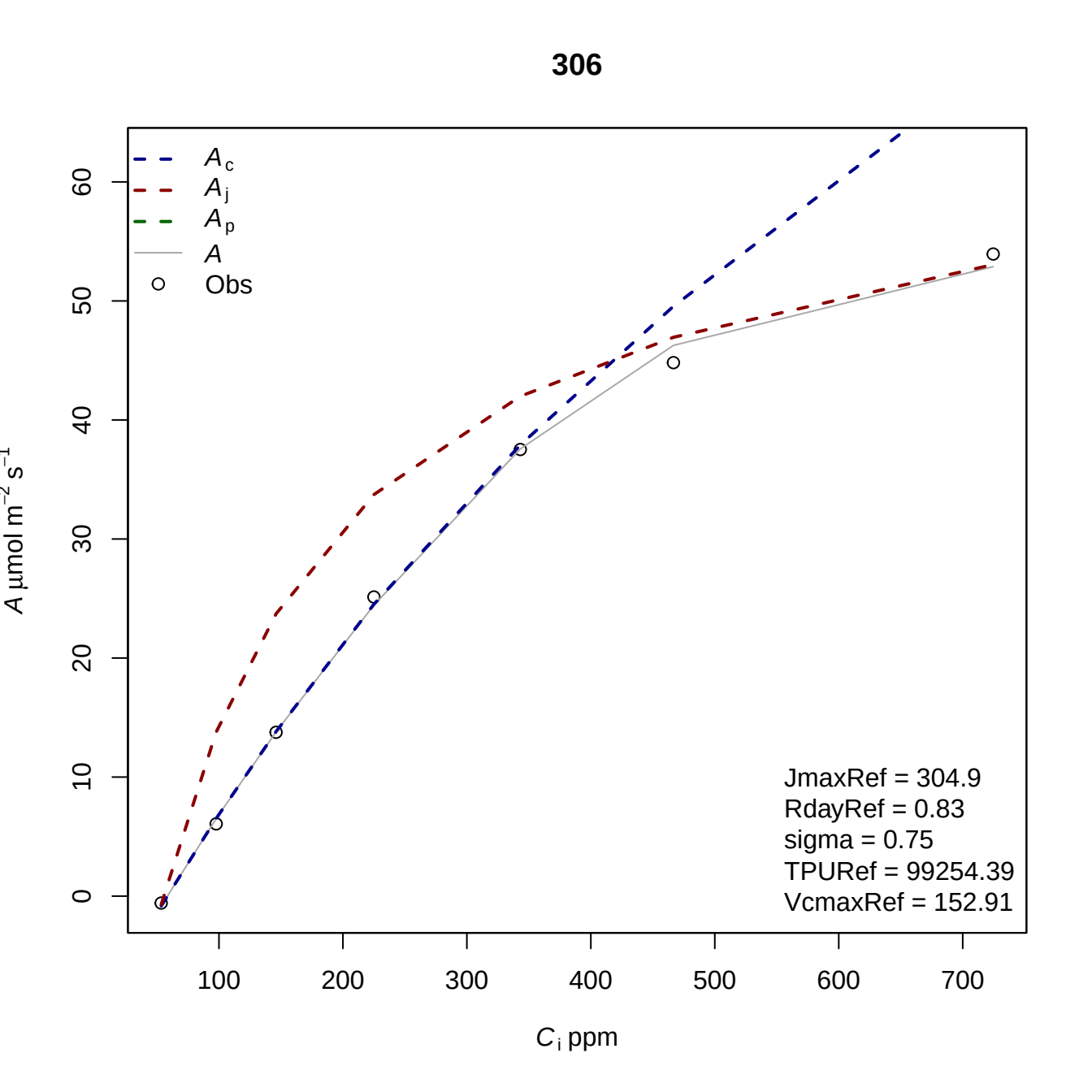

301
A_c
A_j
A_p
A
Obs
JmaxRef = 233.33
RdayRef = 1.06
sigma = 0.42
TPURef = 16.29
VcmaxRef = 94.8
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800

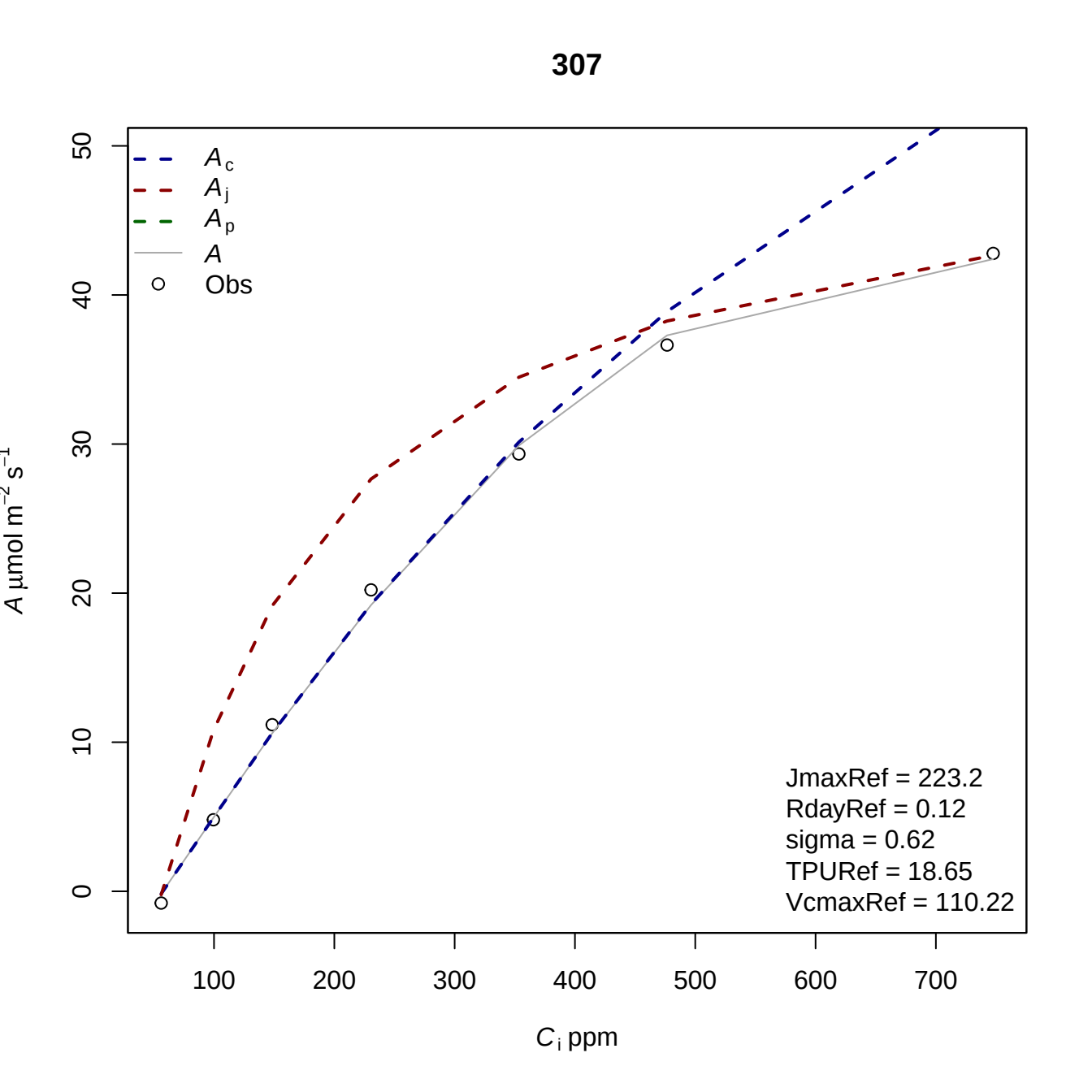

302
A_c
A_j
A_p
A
Obs
JmaxRef = 161772.93
RdayRef = 2.13
sigma = 0.61
TPURef = 66856.69
VcmaxRef = 72.41
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

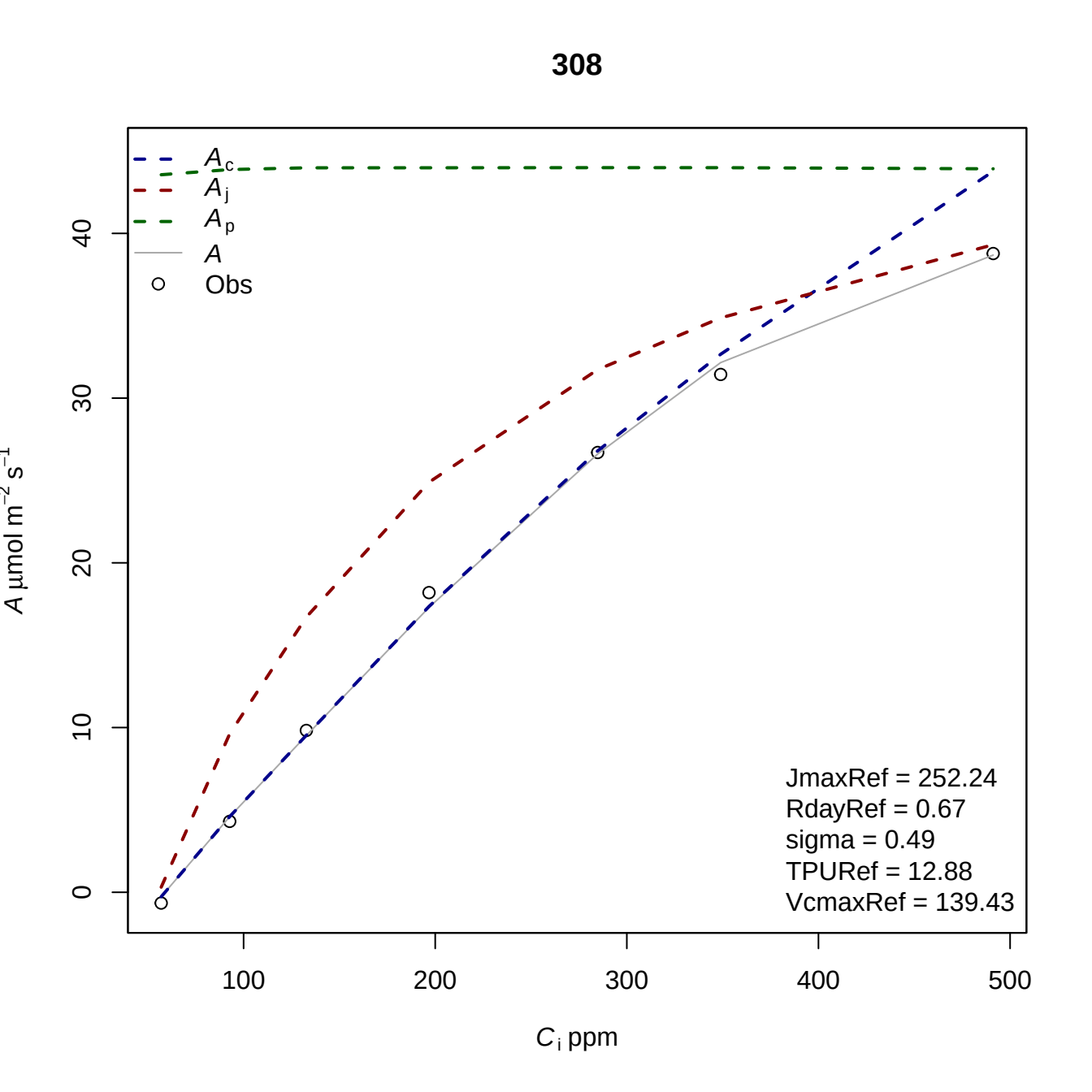

303
A_c
A_j
A_p
A
Obs
JmaxRef = 297.05
RdayRef = 0.17
sigma = 0.78
TPURef = 30.24
VcmaxRef = 127.75
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800

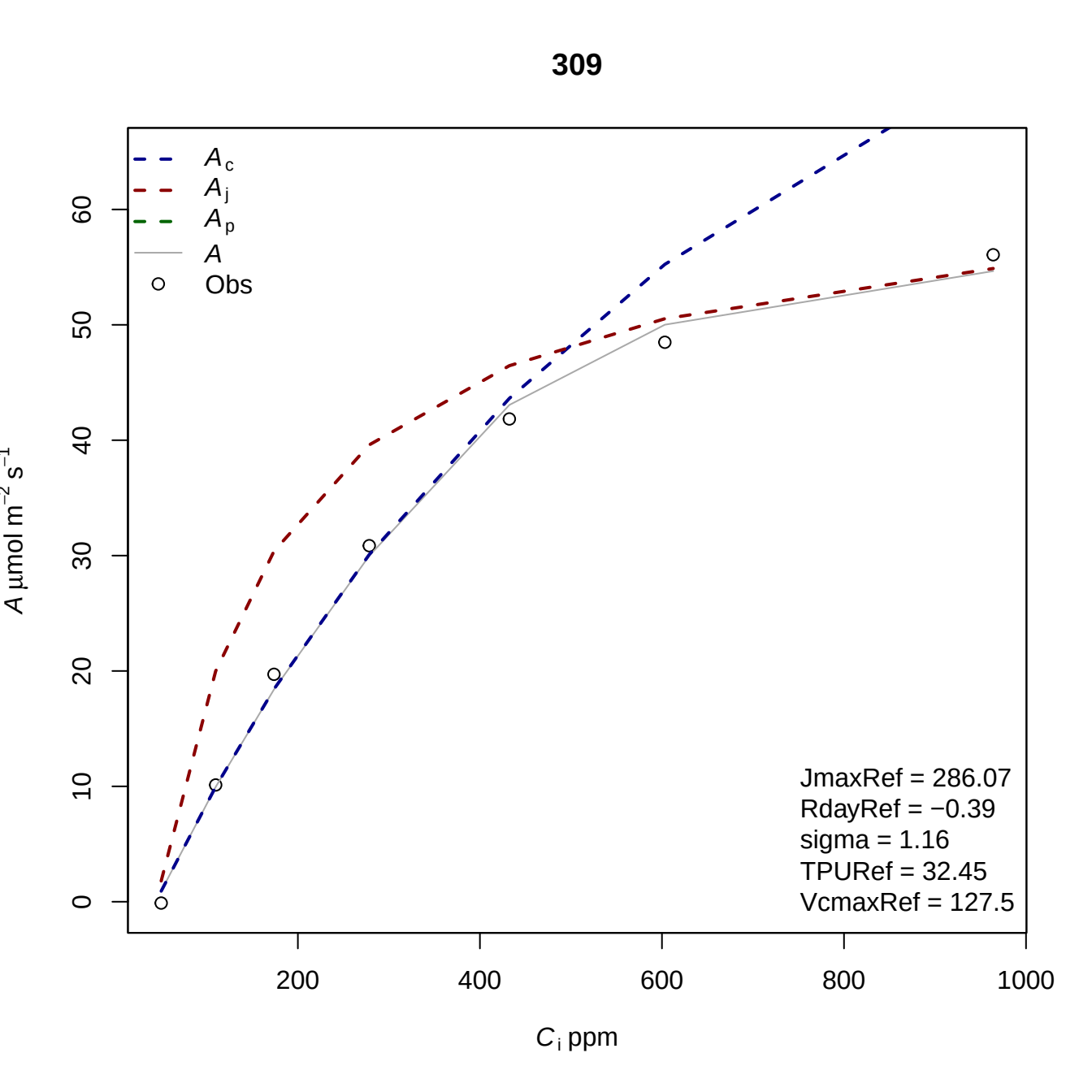

304
A_c
A_j
A_p
A
Obs
JmaxRef = 305.96
RdayRef = 0.33
sigma = 0.76
TPURef = 18.6
VcmaxRef = 119.65
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800

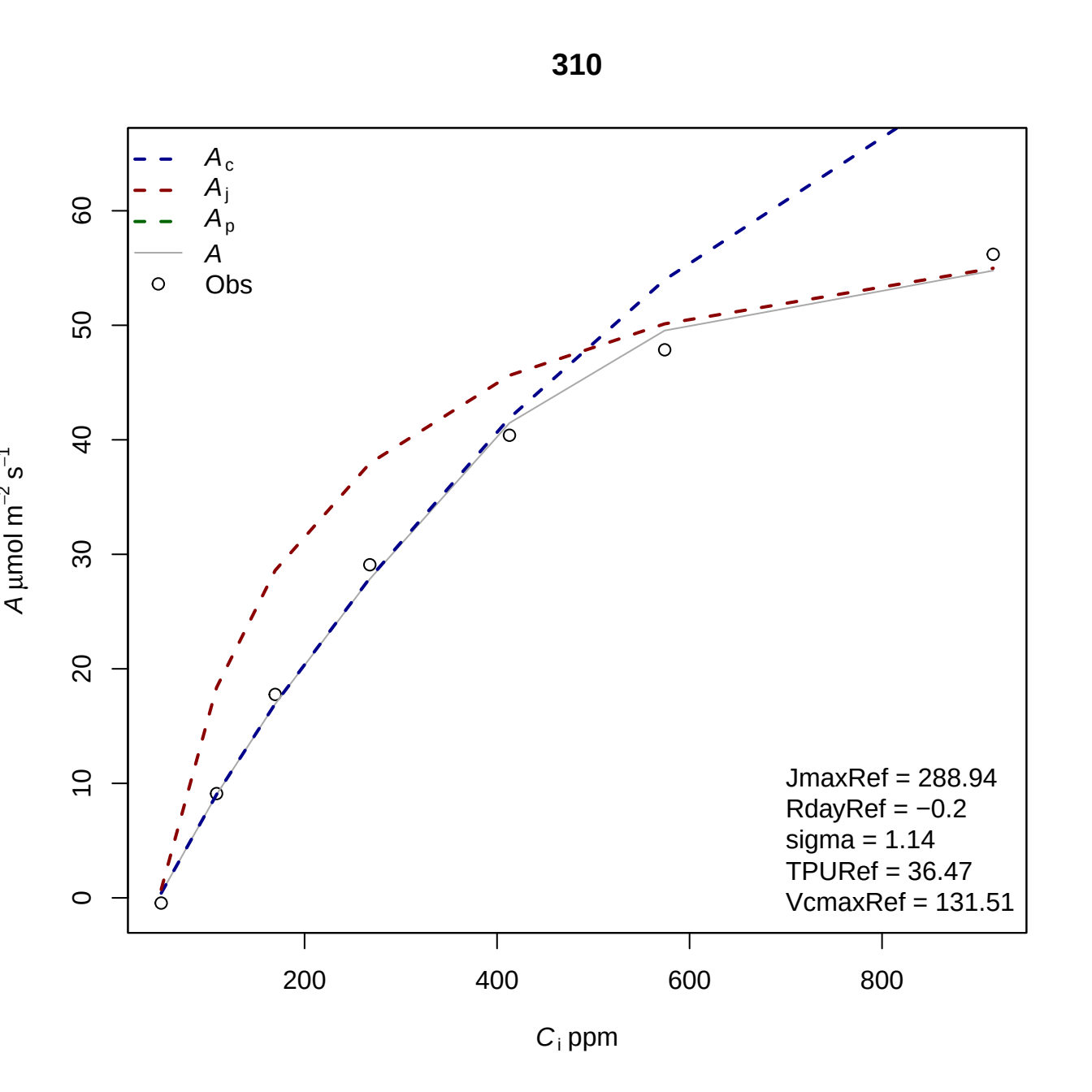

305
A_c
A_j
A_p
A
Obs
JmaxRef = 313.99
RdayRef = −0.03
sigma = 0.87
TPURef = 35.36
VcmaxRef = 141.96
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
70
200
400
600
800

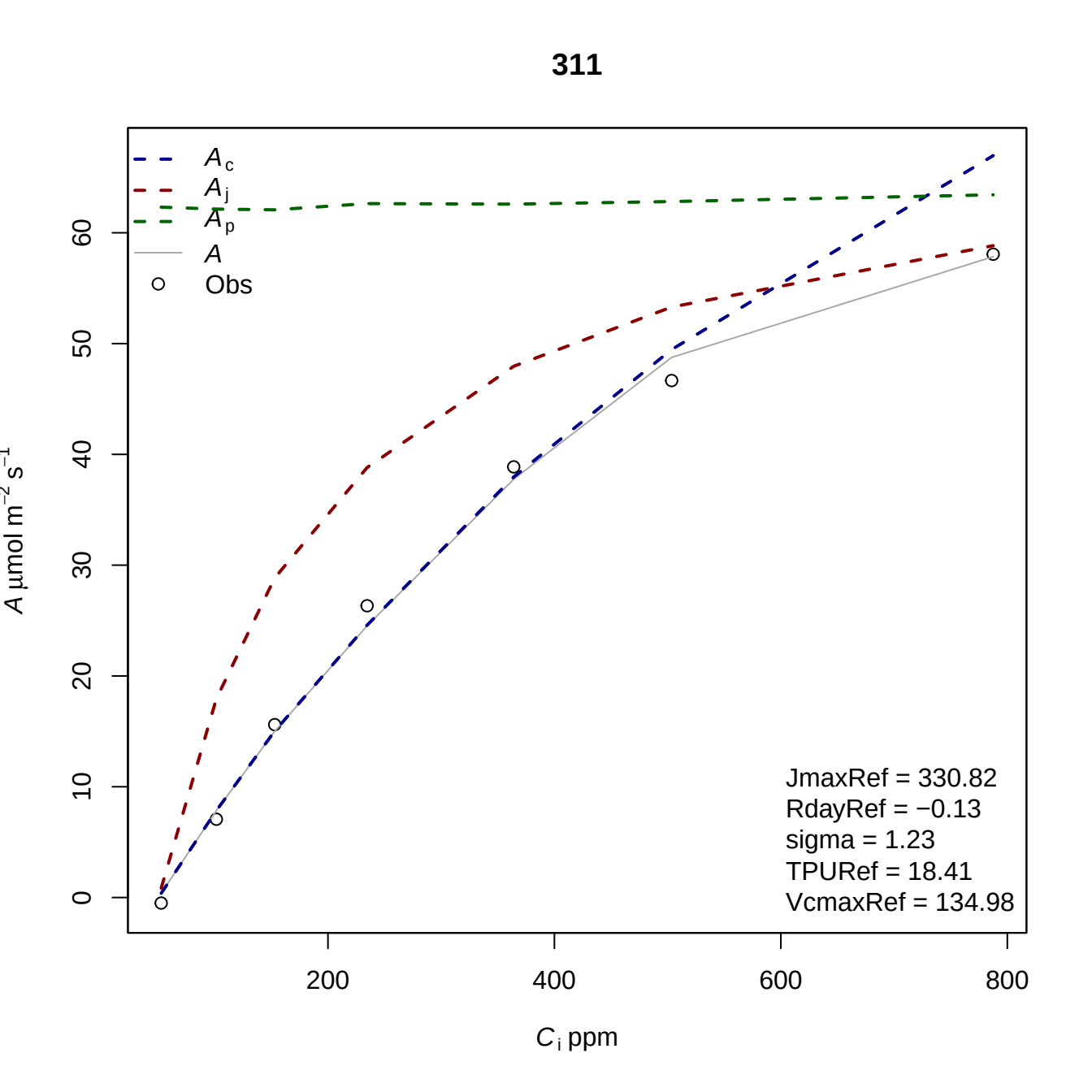

306
A_c
A_j
A_p
A
Obs
JmaxRef = 304.9
RdayRef = 0.83
sigma = 0.75
TPURef = 99254.39
VcmaxRef = 152.91
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600
700

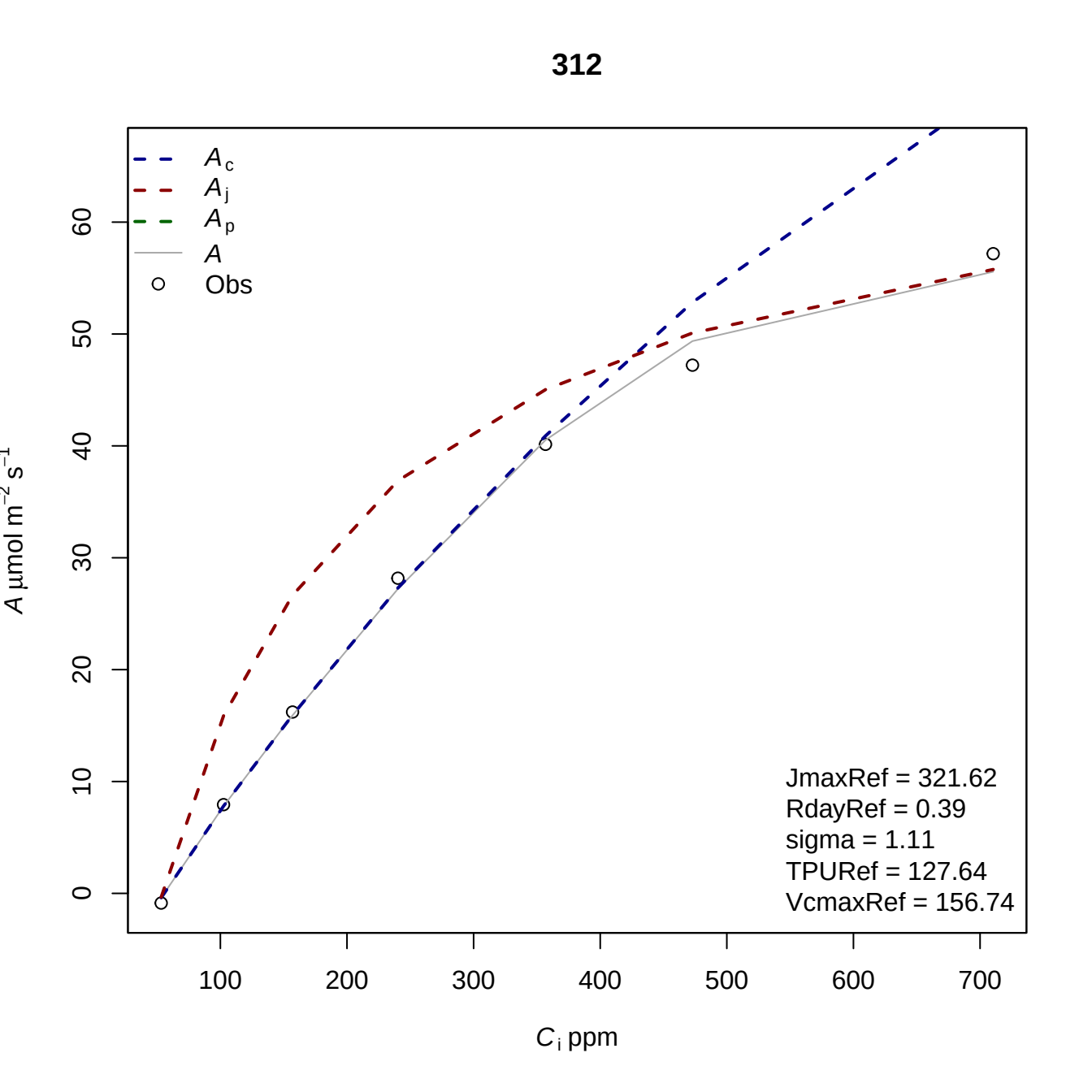

307
A_c
A_j
A_p
A
Obs
JmaxRef = 223.2
RdayRef = 0.12
sigma = 0.62
TPURef = 18.65
VcmaxRef = 110.22
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600
700

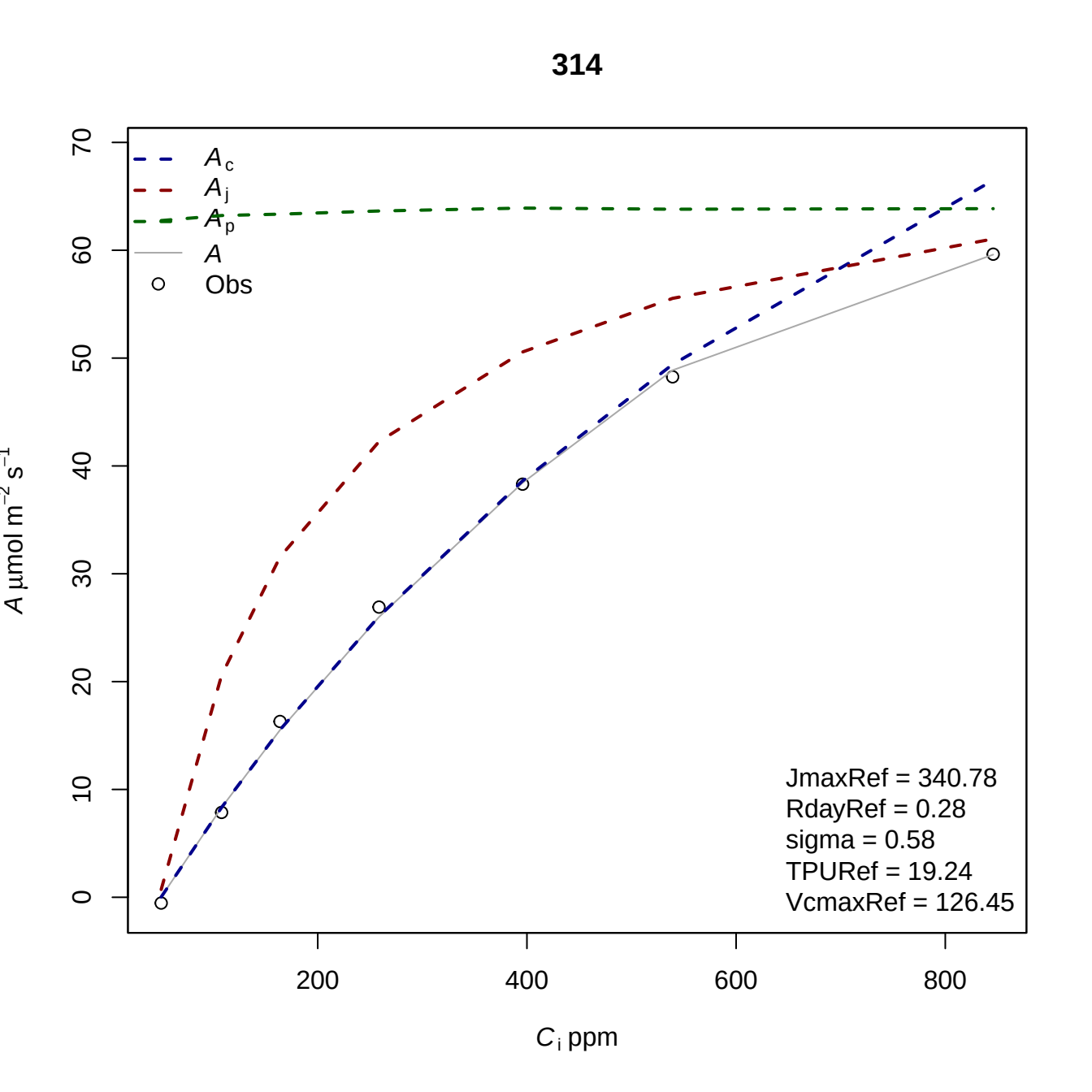

308
A_c
A_j
A_p
A
Obs
JmaxRef = 252.24
RdayRef = 0.67
sigma = 0.49
TPURef = 12.88
VcmaxRef = 139.43
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

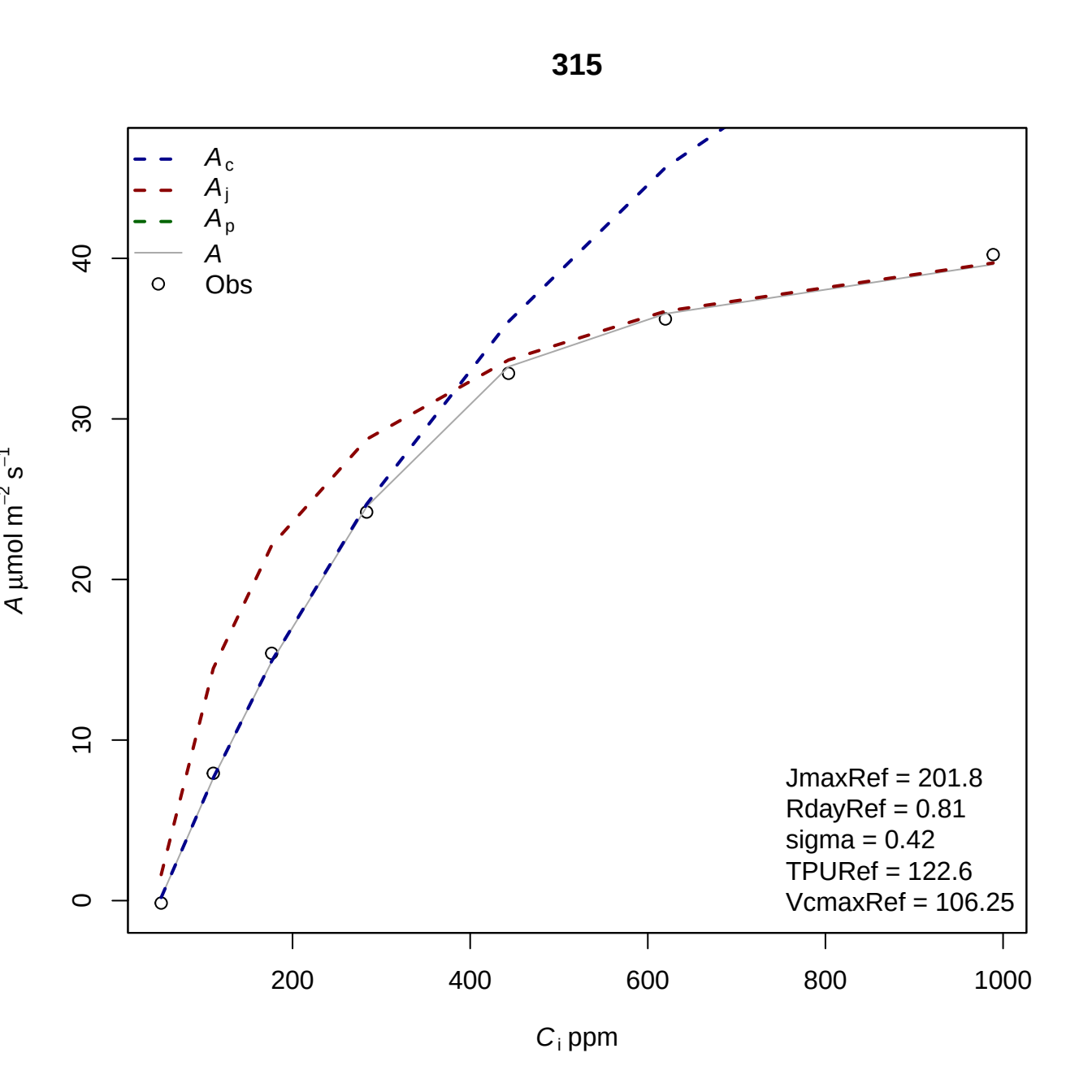

309
A_c
A_j
A_p
A
Obs
JmaxRef = 286.07
RdayRef = −0.39
sigma = 1.16
TPURef = 32.45
VcmaxRef = 127.5
0
10
20
30
40
50
60
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

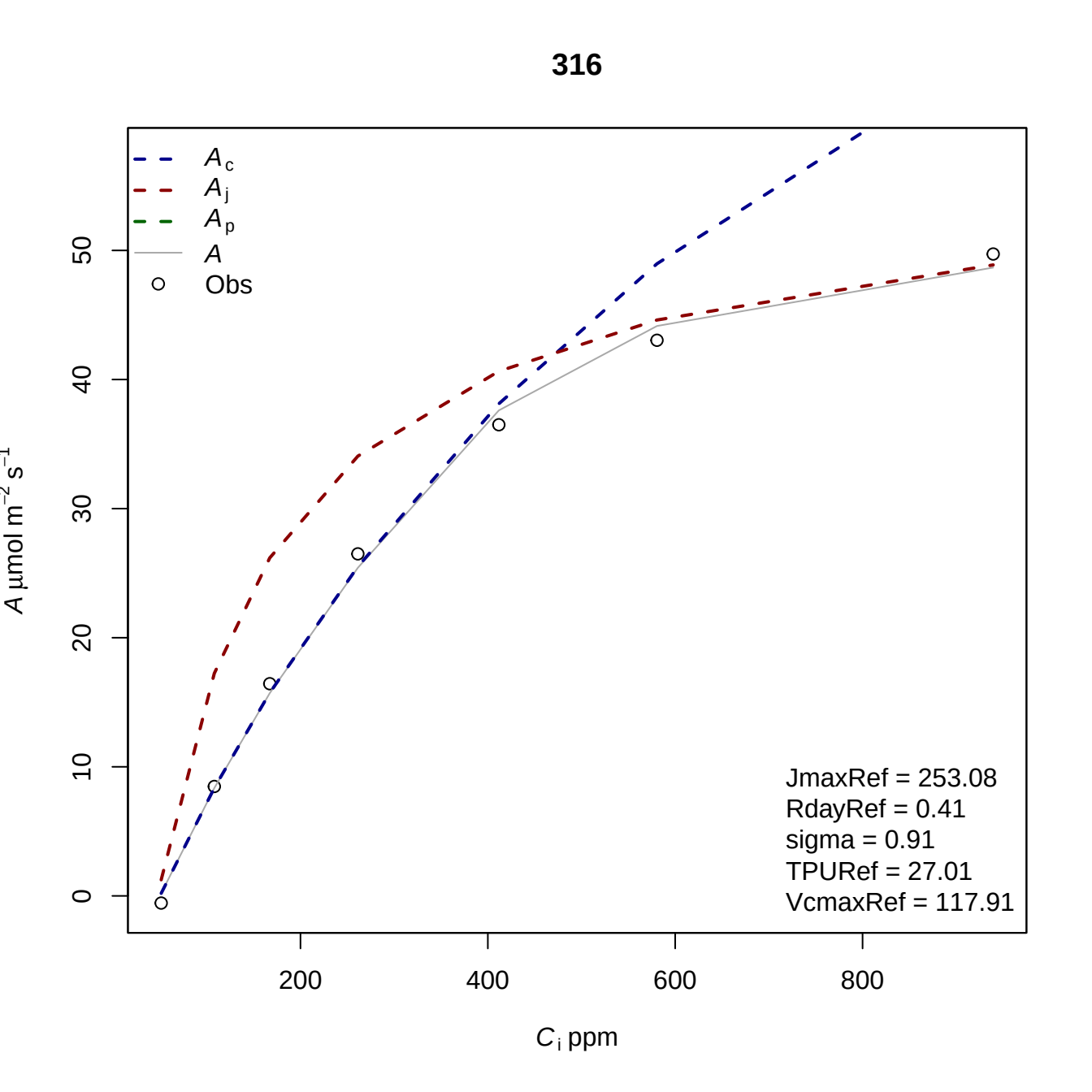

310
A_c
A_j
A_p
A
Obs
JmaxRef = 288.94
RdayRef = −0.2
sigma = 1.14
TPURef = 36.47
VcmaxRef = 131.51
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800

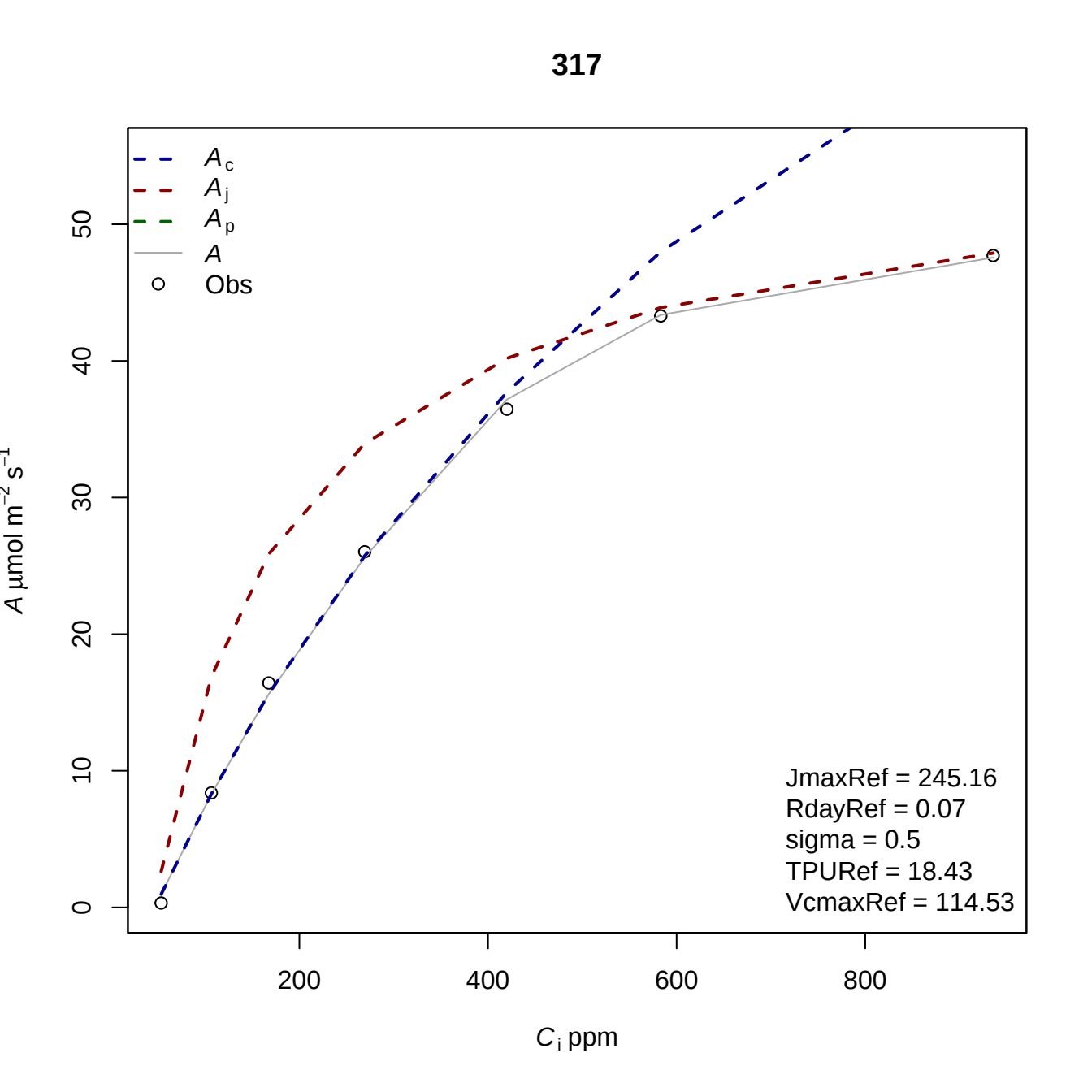

311
A_c
A_j
A_p
A
Obs
JmaxRef = 330.82
RdayRef = −0.13
sigma = 1.23
TPURef = 18.41
VcmaxRef = 134.98
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800

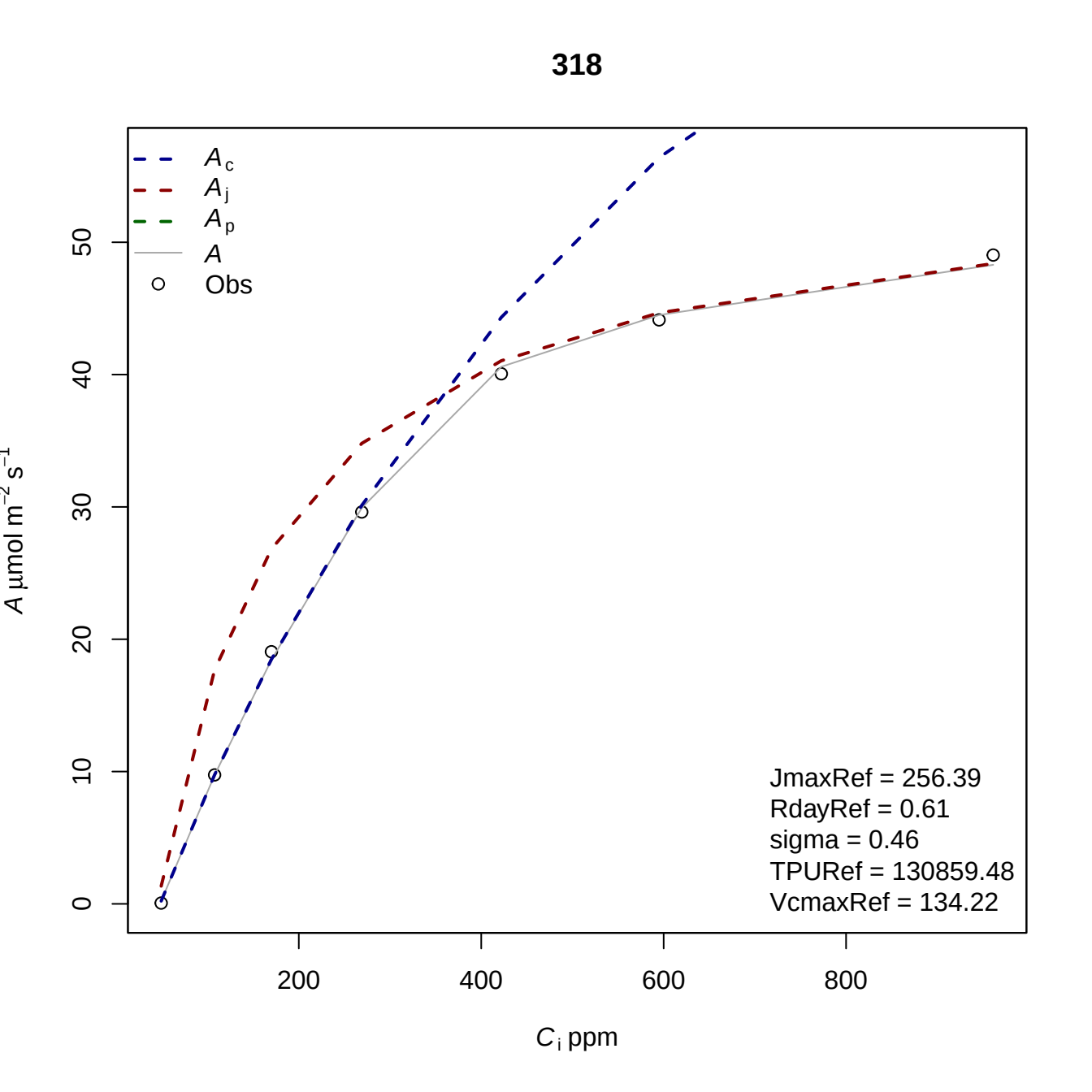

312
A_c
A_j
A_p
A
Obs
JmaxRef = 321.62
RdayRef = 0.39
sigma = 1.11
TPURef = 127.64
VcmaxRef = 156.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600
700

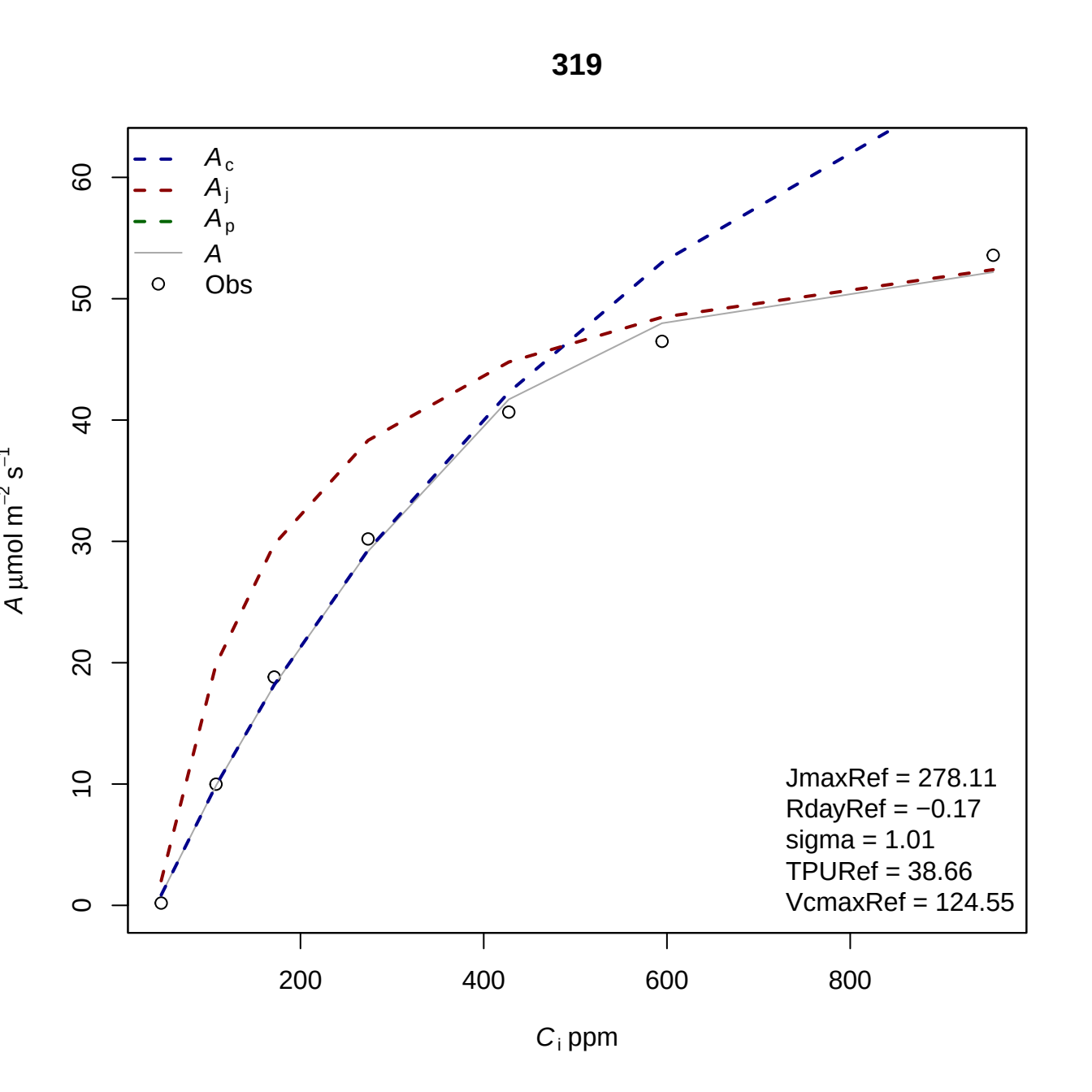

314
A_c
A_j
A_p
A
Obs
JmaxRef = 340.78
RdayRef = 0.28
sigma = 0.58
TPURef = 19.24
VcmaxRef = 126.45
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
70
200
400
600
800

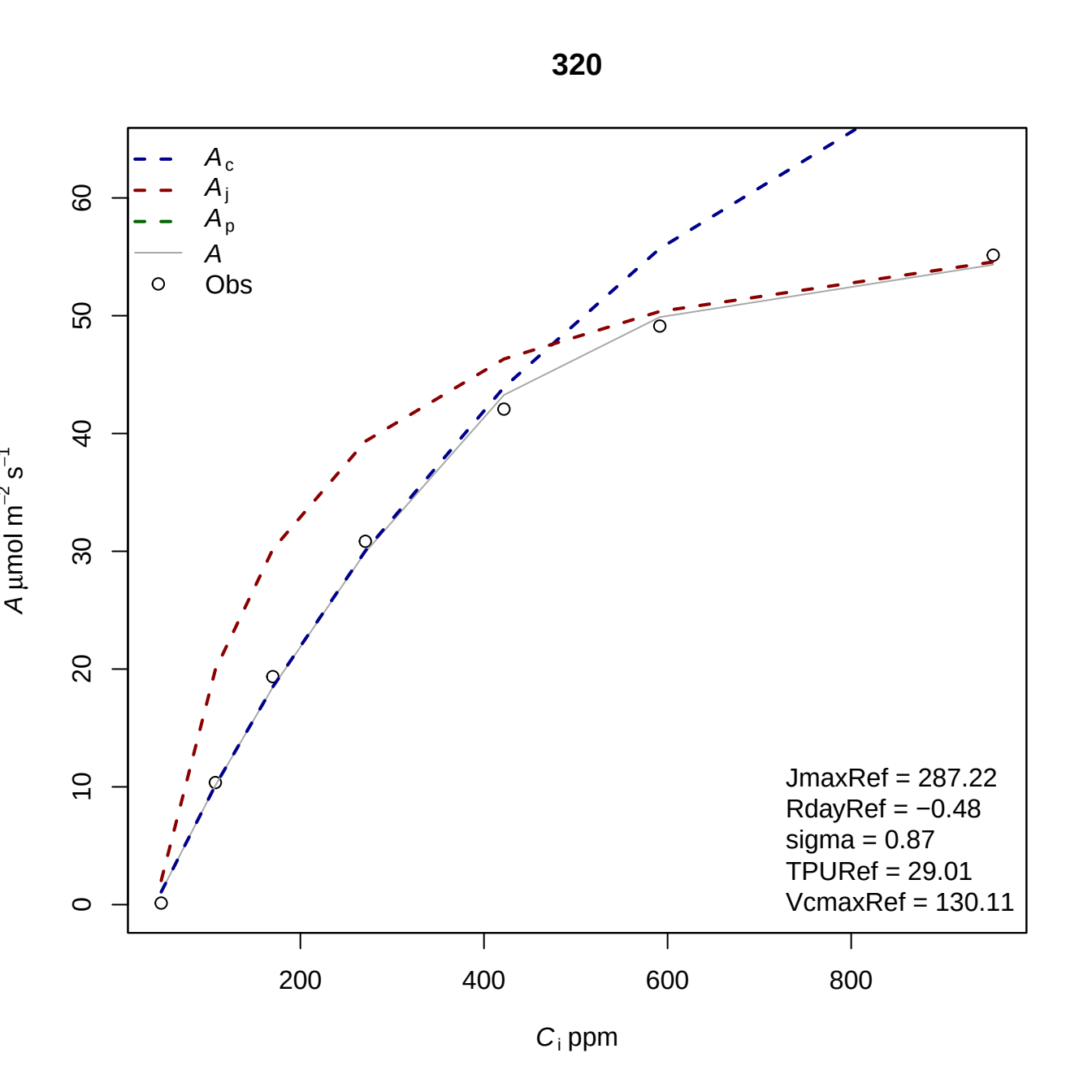

315
A_c
A_j
A_p
A
Obs
JmaxRef = 201.8
RdayRef = 0.81
sigma = 0.42
TPURef = 122.6
VcmaxRef = 106.25
0
10
20
30
40
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

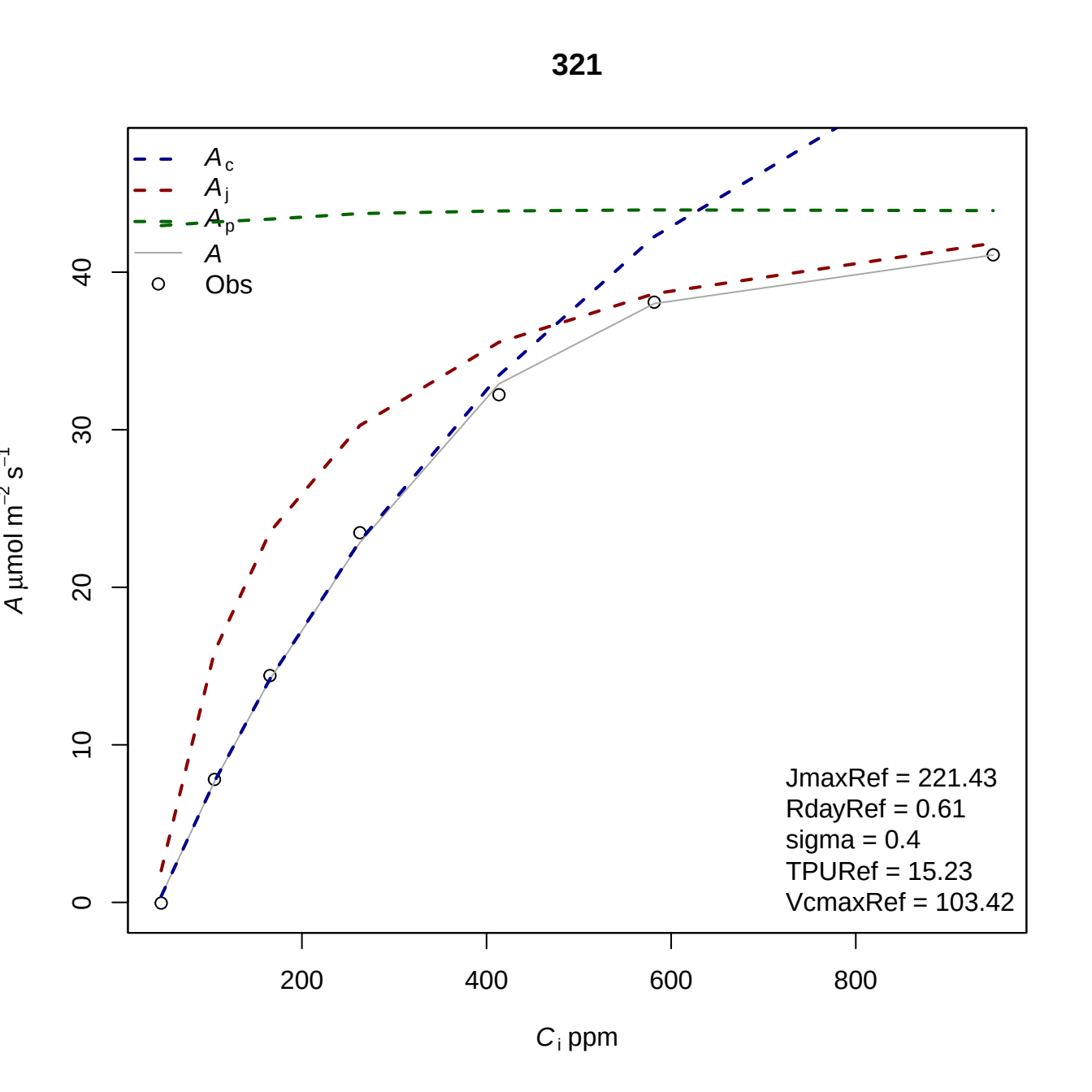

316
A_c
A_j
A_p
A
Obs
JmaxRef = 253.08
RdayRef = 0.41
sigma = 0.91
TPURef = 27.01
VcmaxRef = 117.91
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

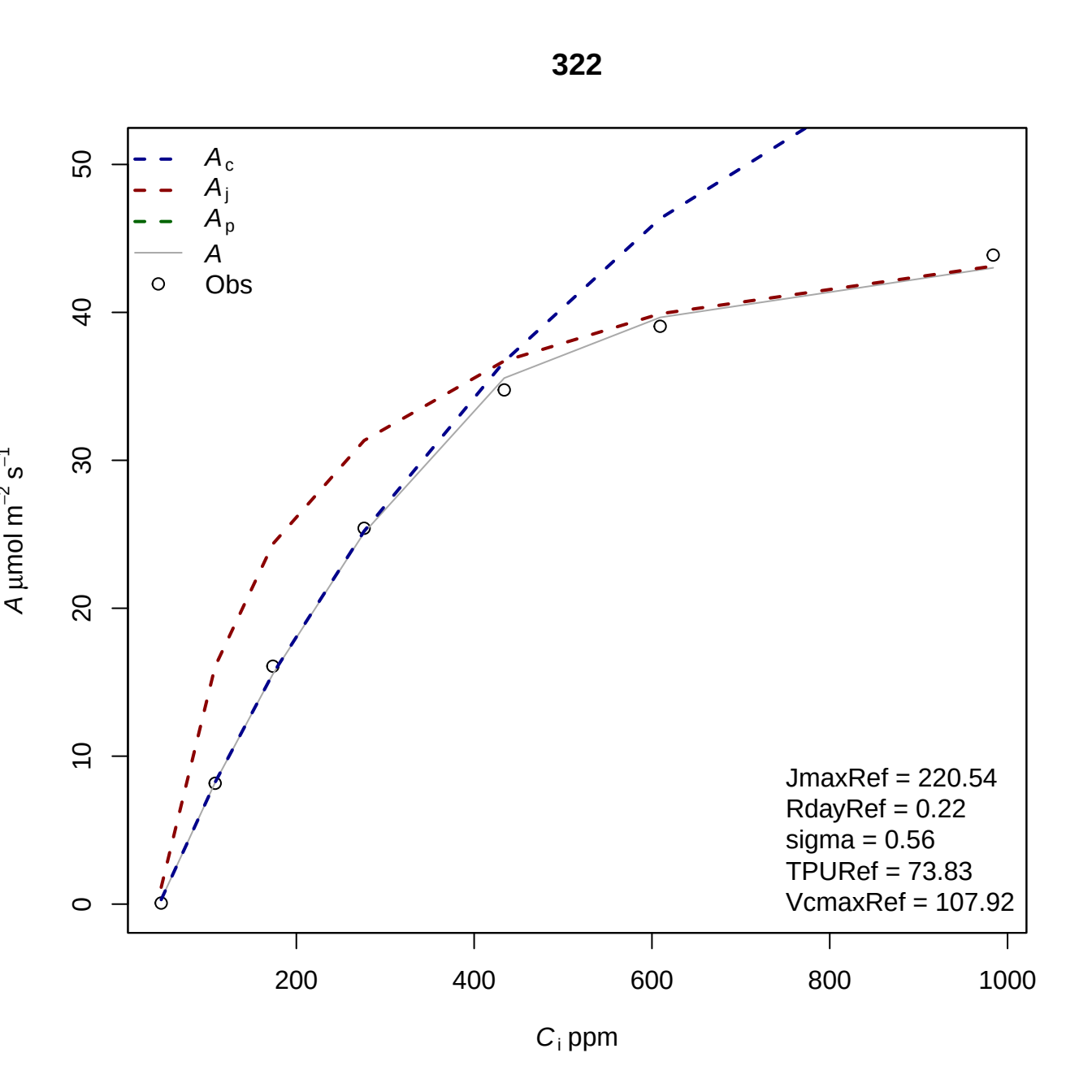

317
A_c
A_j
A_p
A
Obs
JmaxRef = 245.16
RdayRef = 0.07
sigma = 0.5
TPURef = 18.43
VcmaxRef = 114.53
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

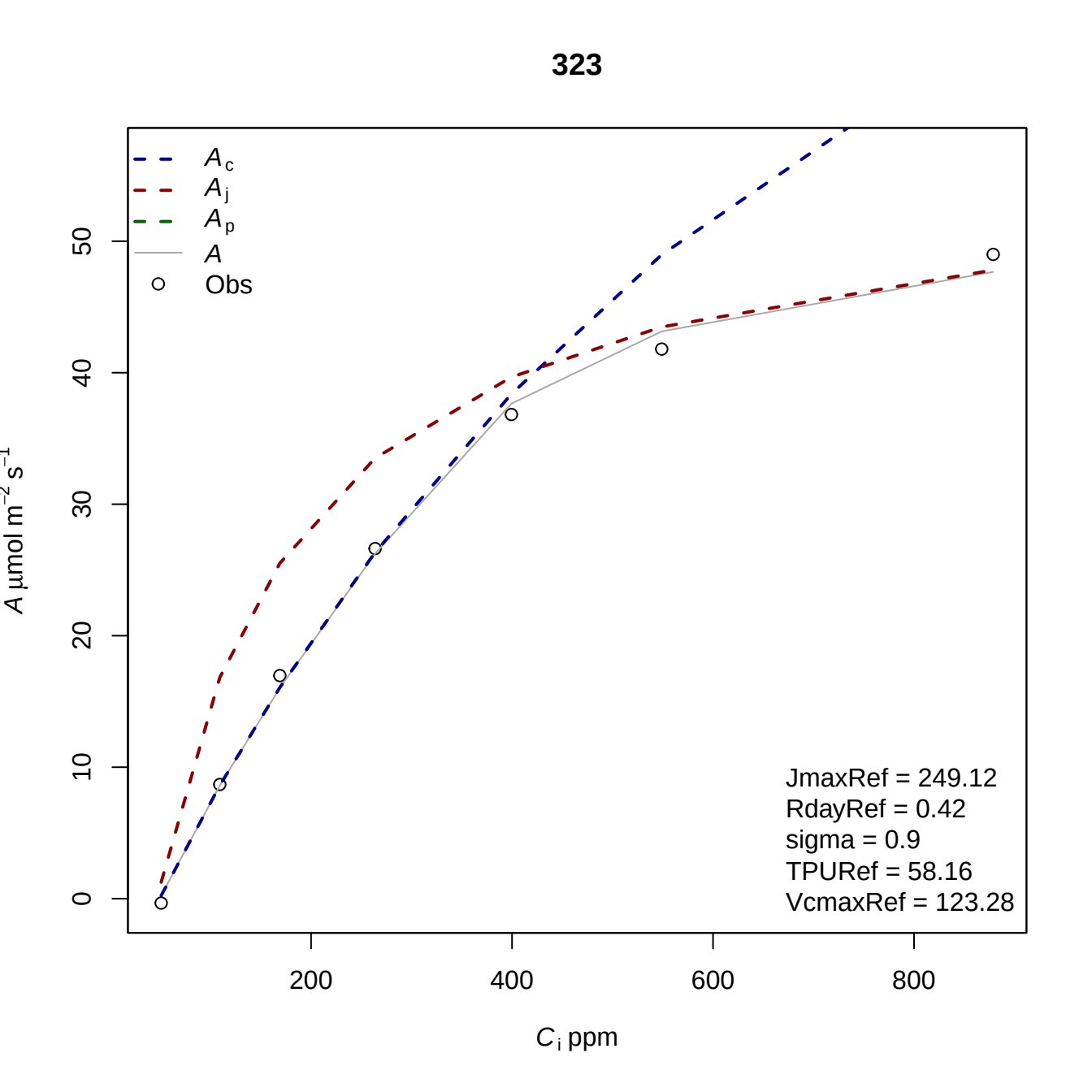

318
A_c
A_j
A_p
A
Obs
JmaxRef = 256.39
RdayRef = 0.61
sigma = 0.46
TPURef = 130859.48
VcmaxRef = 134.22
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

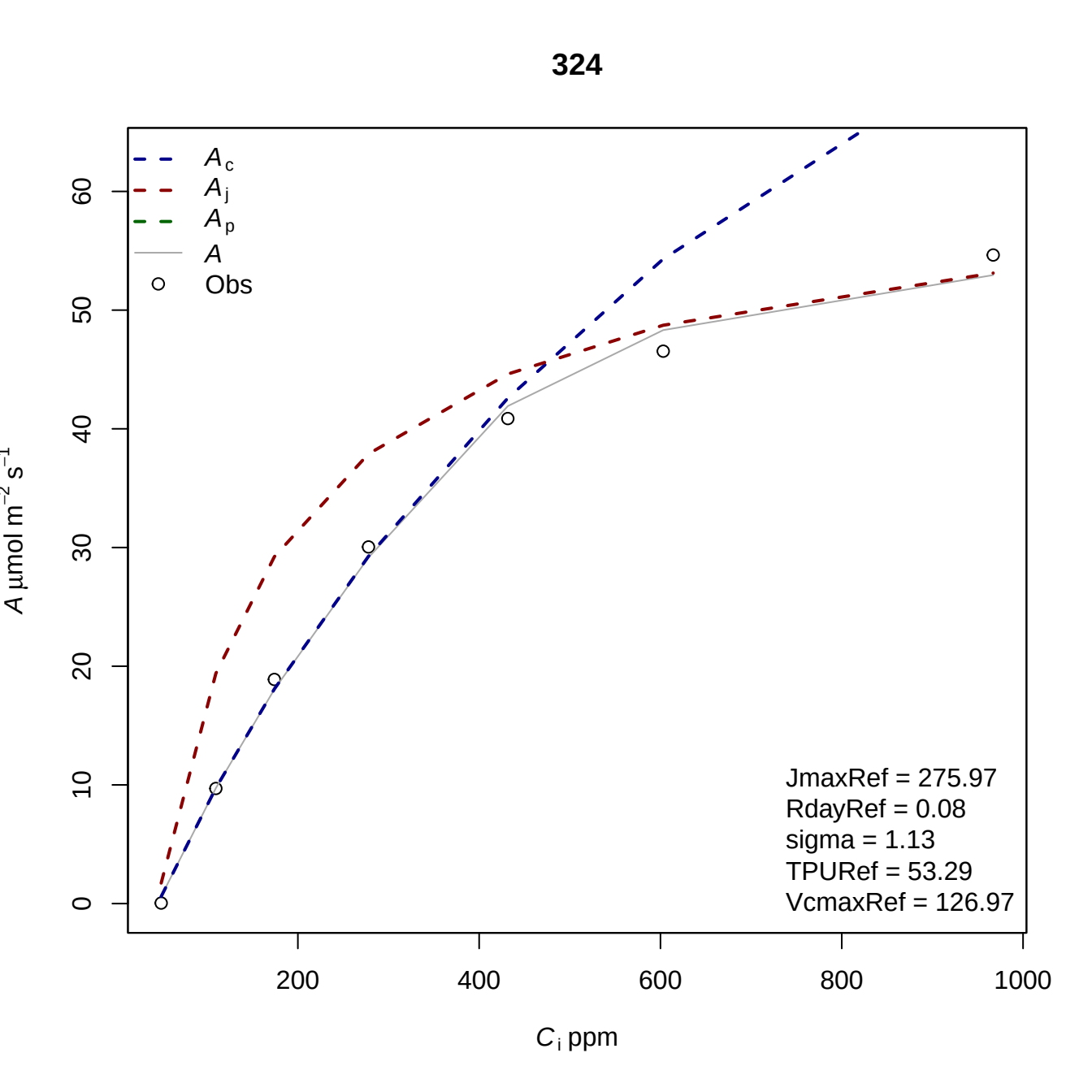

319
A_c
A_j
A_p
A
Obs
JmaxRef = 278.11
RdayRef = −0.17
sigma = 1.01
TPURef = 38.66
VcmaxRef = 124.55
0
10
20
30
40
50
60
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

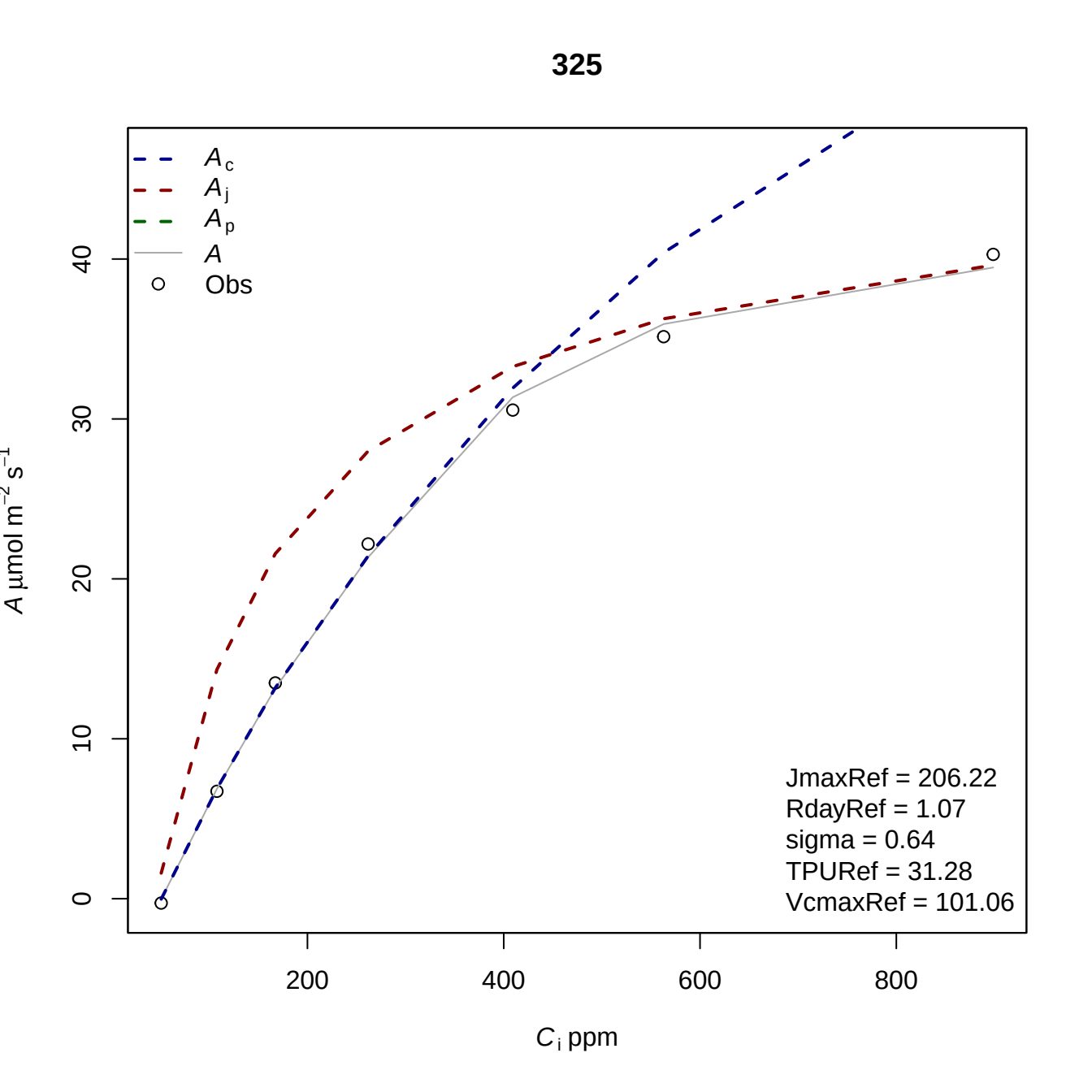

320
A_c
A_j
A_p
A
Obs
JmaxRef = 287.22
RdayRef = −0.48
sigma = 0.87
TPURef = 29.01
VcmaxRef = 130.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800

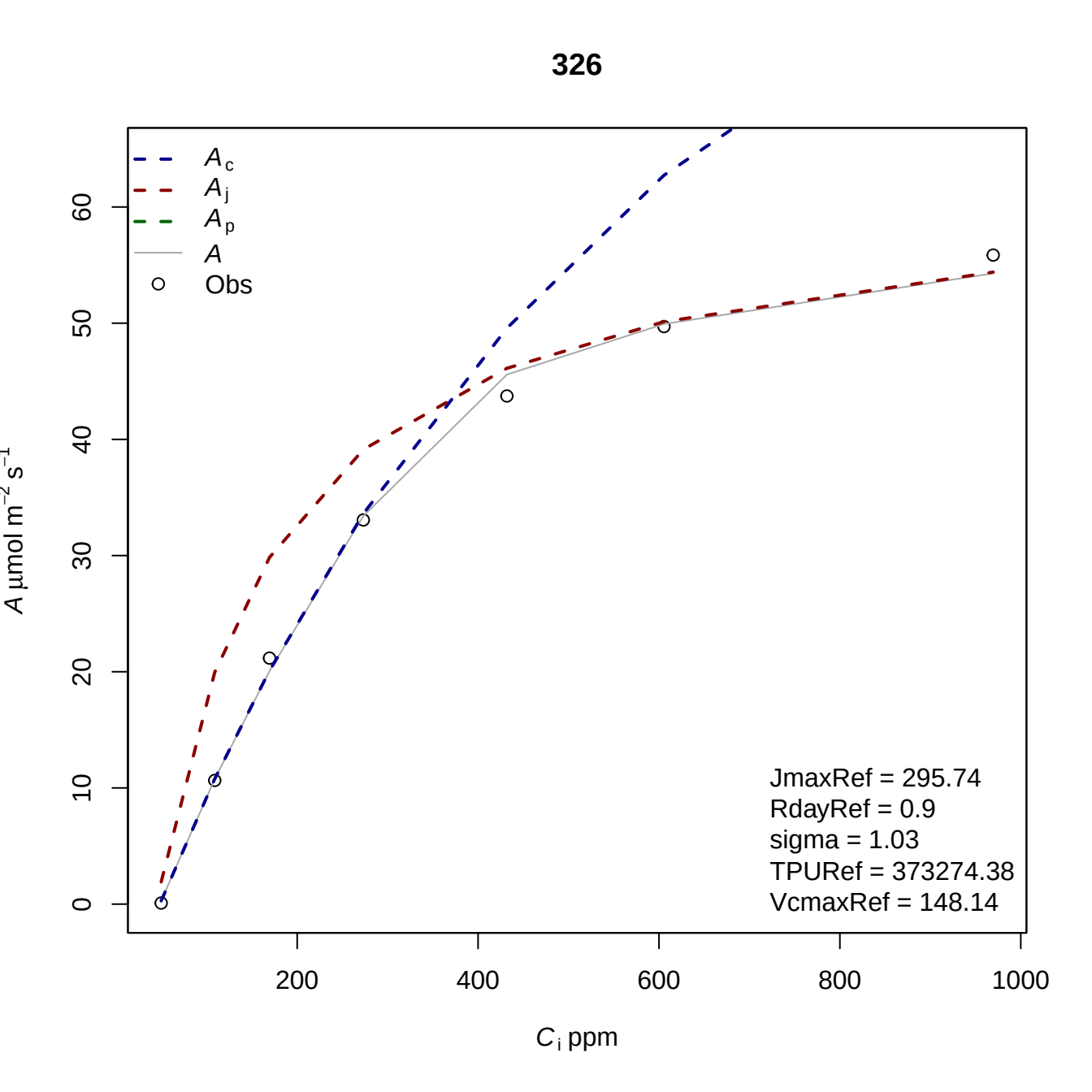

321
A_c
A_j
A_p
A
Obs
JmaxRef = 221.43
RdayRef = 0.61
sigma = 0.4
TPURef = 15.23
VcmaxRef = 103.42
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

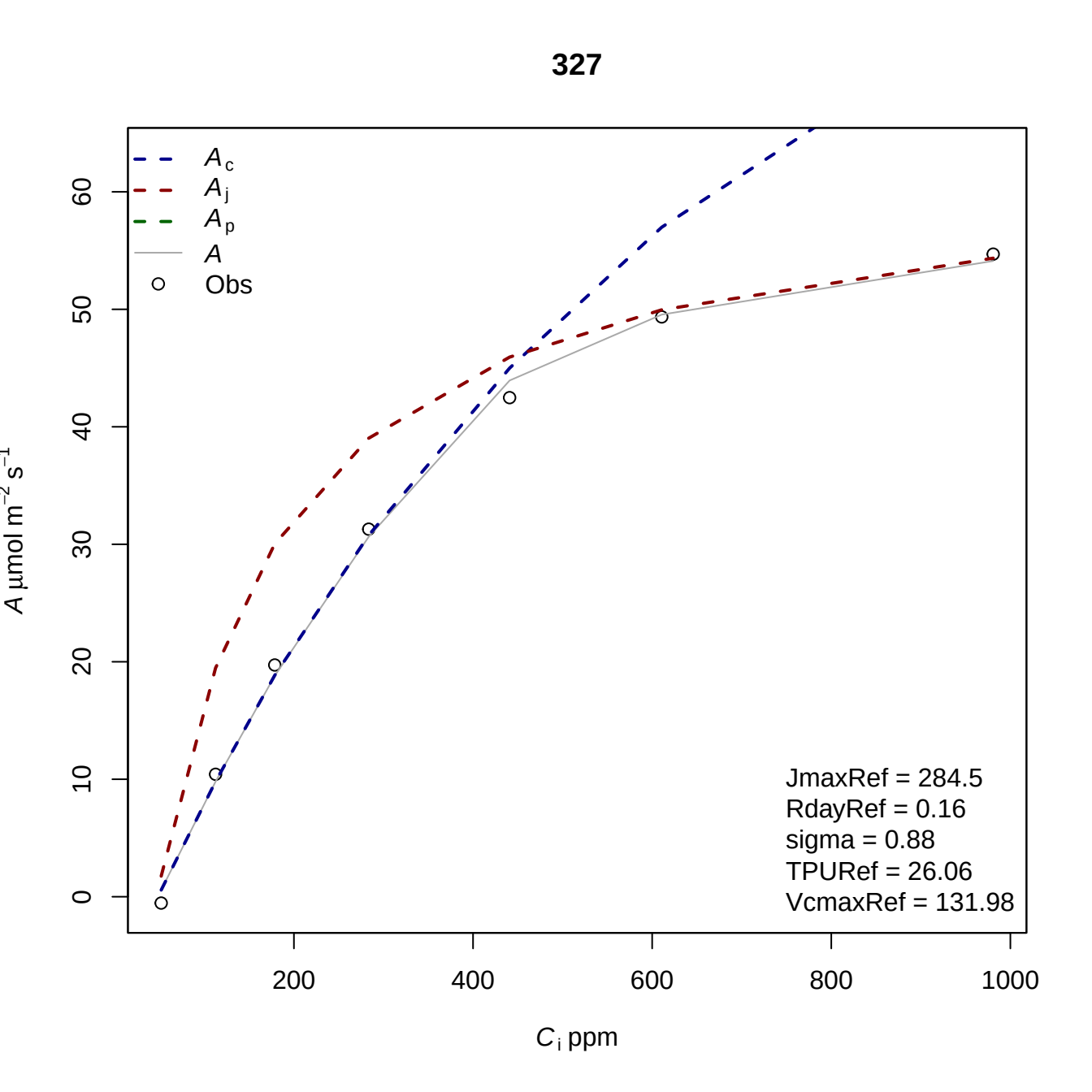

322
A_c
A_j
A_p
A
Obs
JmaxRef = 220.54
RdayRef = 0.22
sigma = 0.56
TPURef = 73.83
VcmaxRef = 107.92
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000

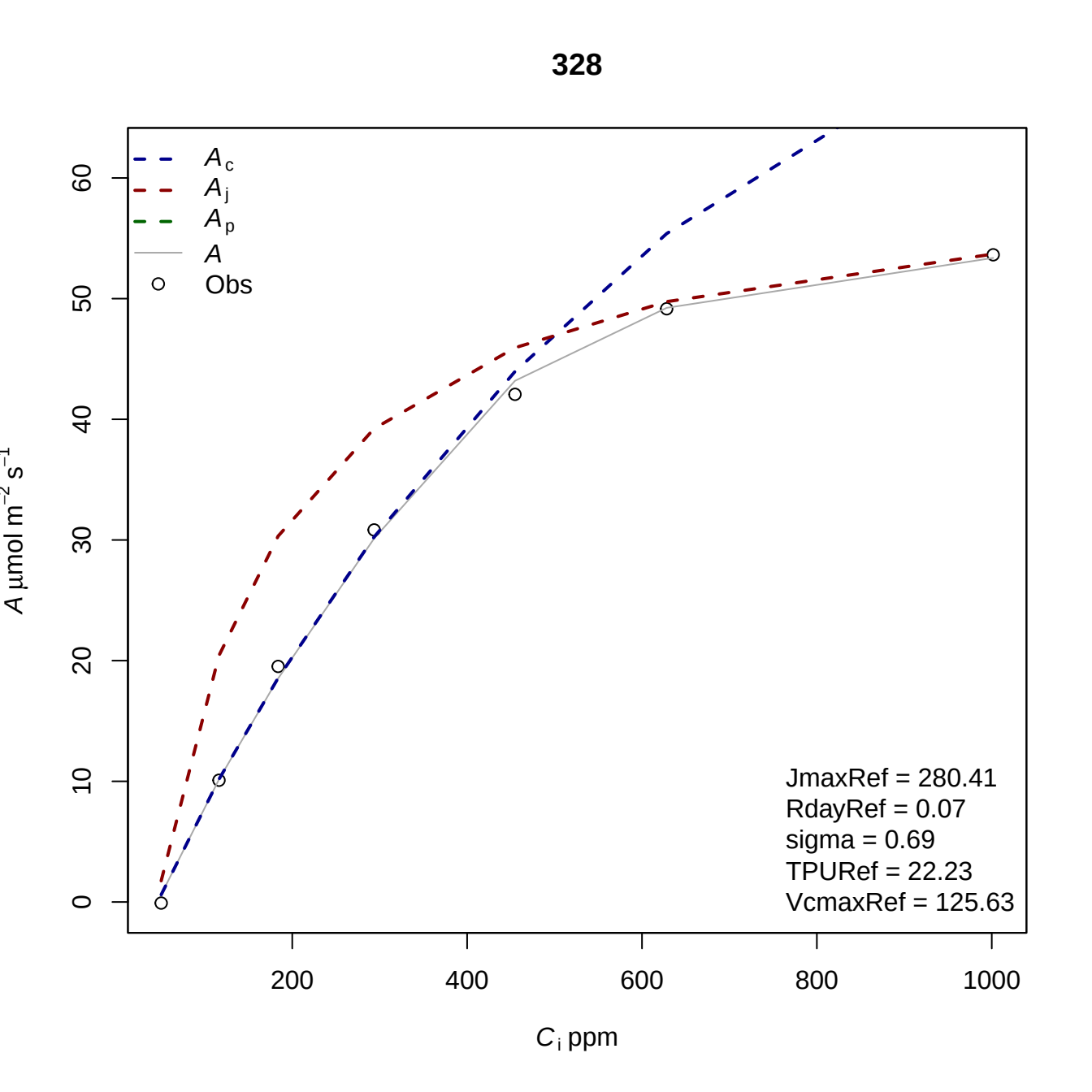

323
A_c
A_j
A_p
A
Obs
JmaxRef = 249.12
RdayRef = 0.42
sigma = 0.9
TPURef = 58.16
VcmaxRef = 123.28
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

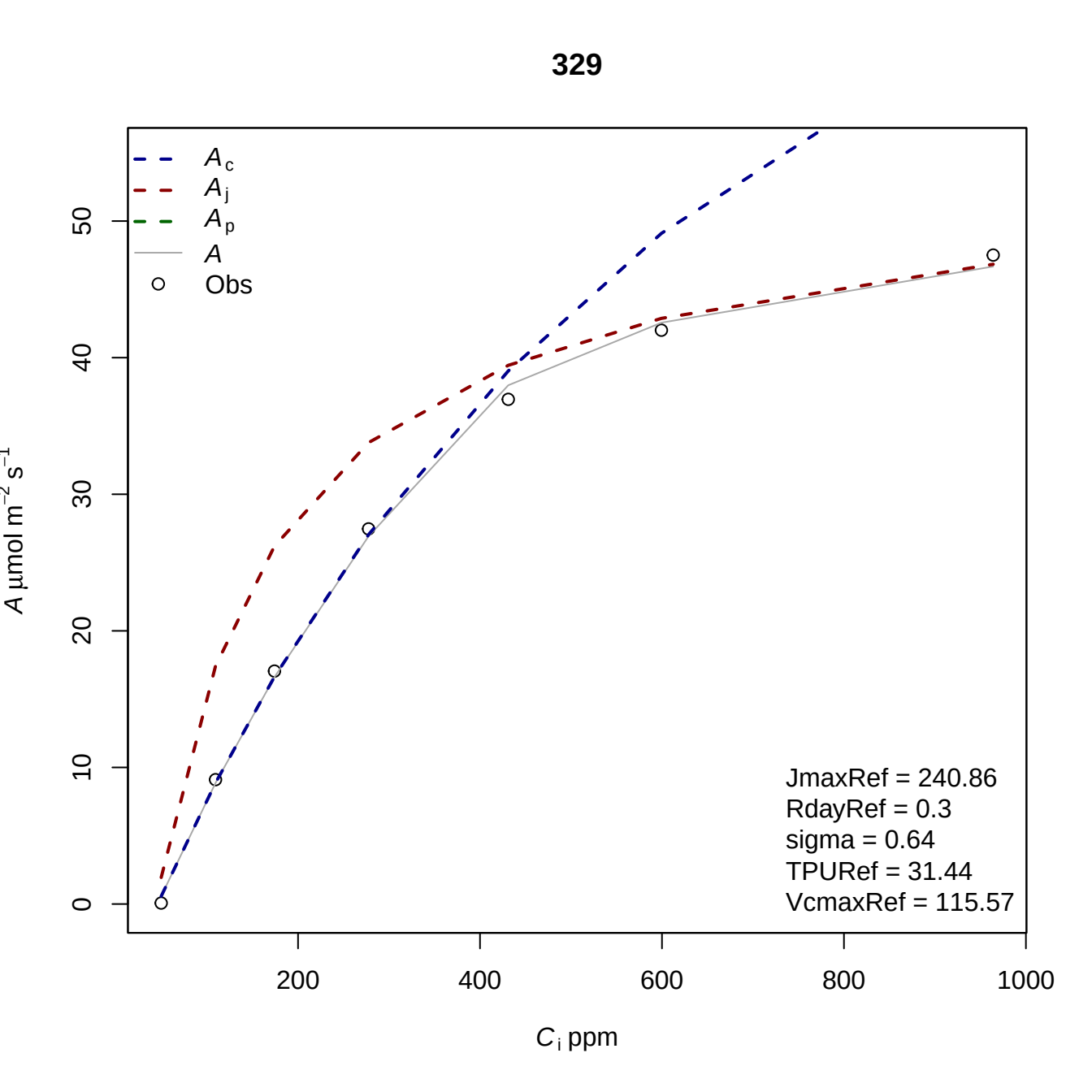

324
A_c
A_j
A_p
A
Obs
JmaxRef = 275.97
RdayRef = 0.08
sigma = 1.13
TPURef = 53.29
VcmaxRef = 126.97
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000

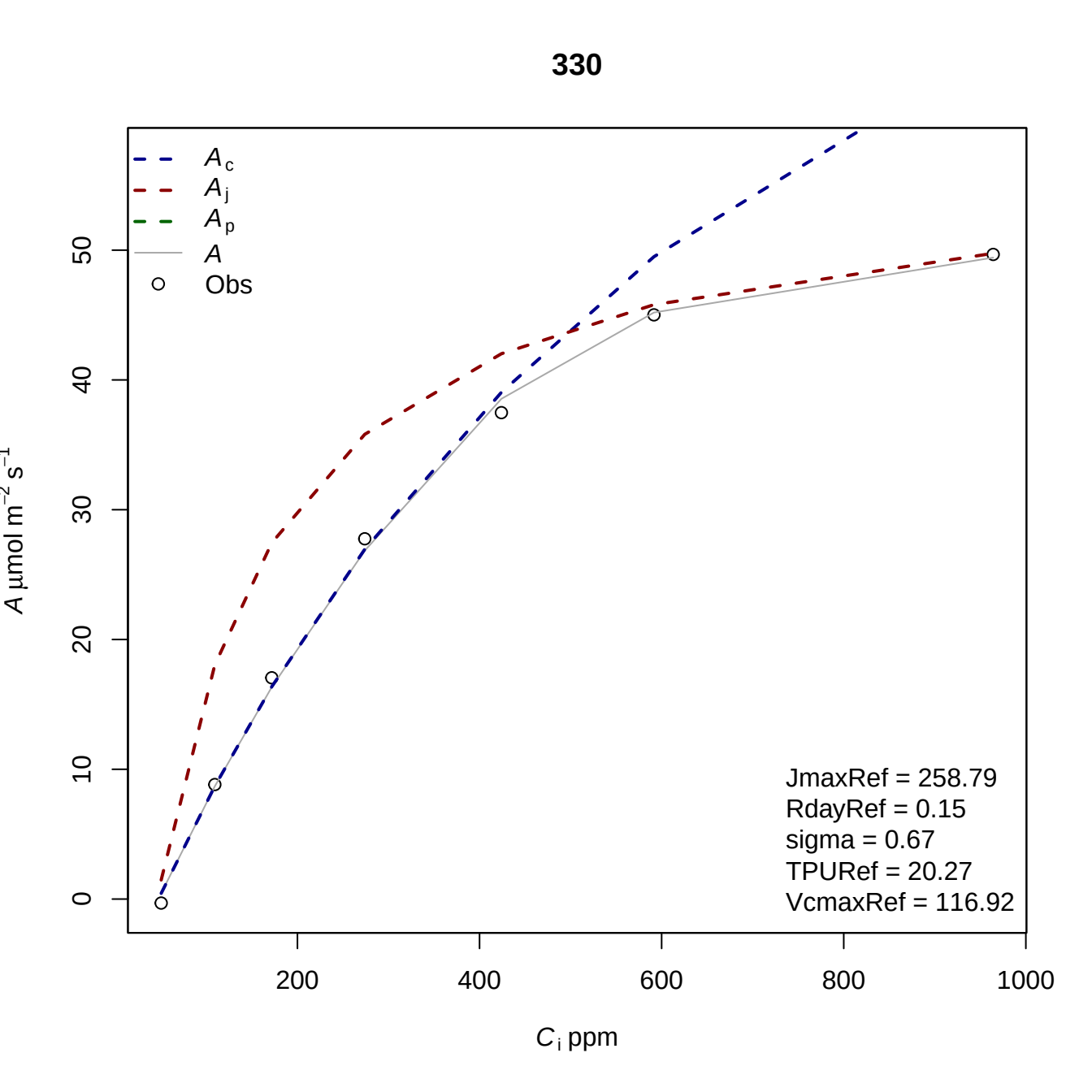

325
A_c
A_j
A_p
A
Obs
JmaxRef = 206.22
RdayRef = 1.07
sigma = 0.64
TPURef = 31.28
VcmaxRef = 101.06
0
10
20
30
40
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

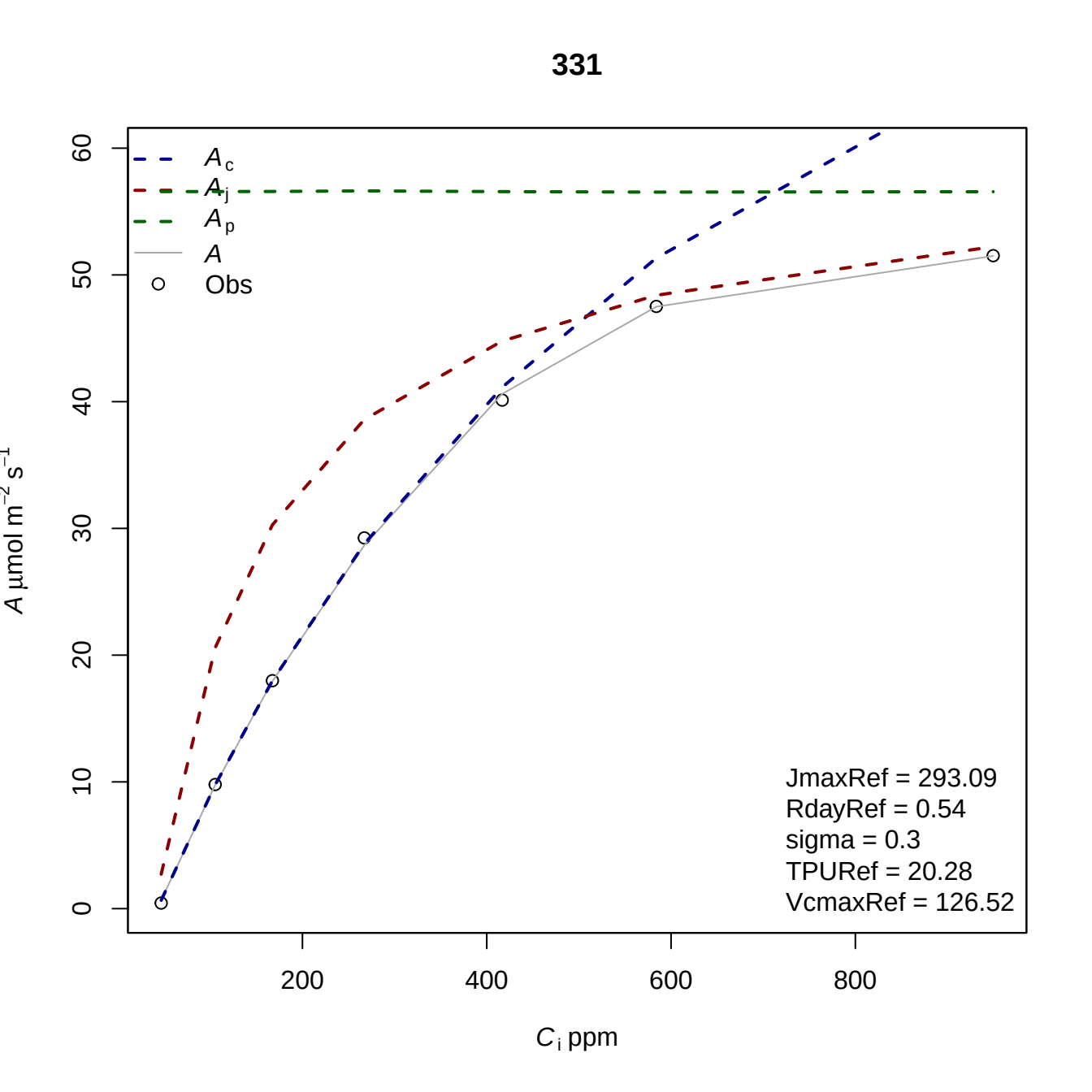

326
A_c
A_j
A_p
A
Obs
JmaxRef = 295.74
RdayRef = 0.9
sigma = 1.03
TPURef = 373274.38
VcmaxRef = 148.14
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000

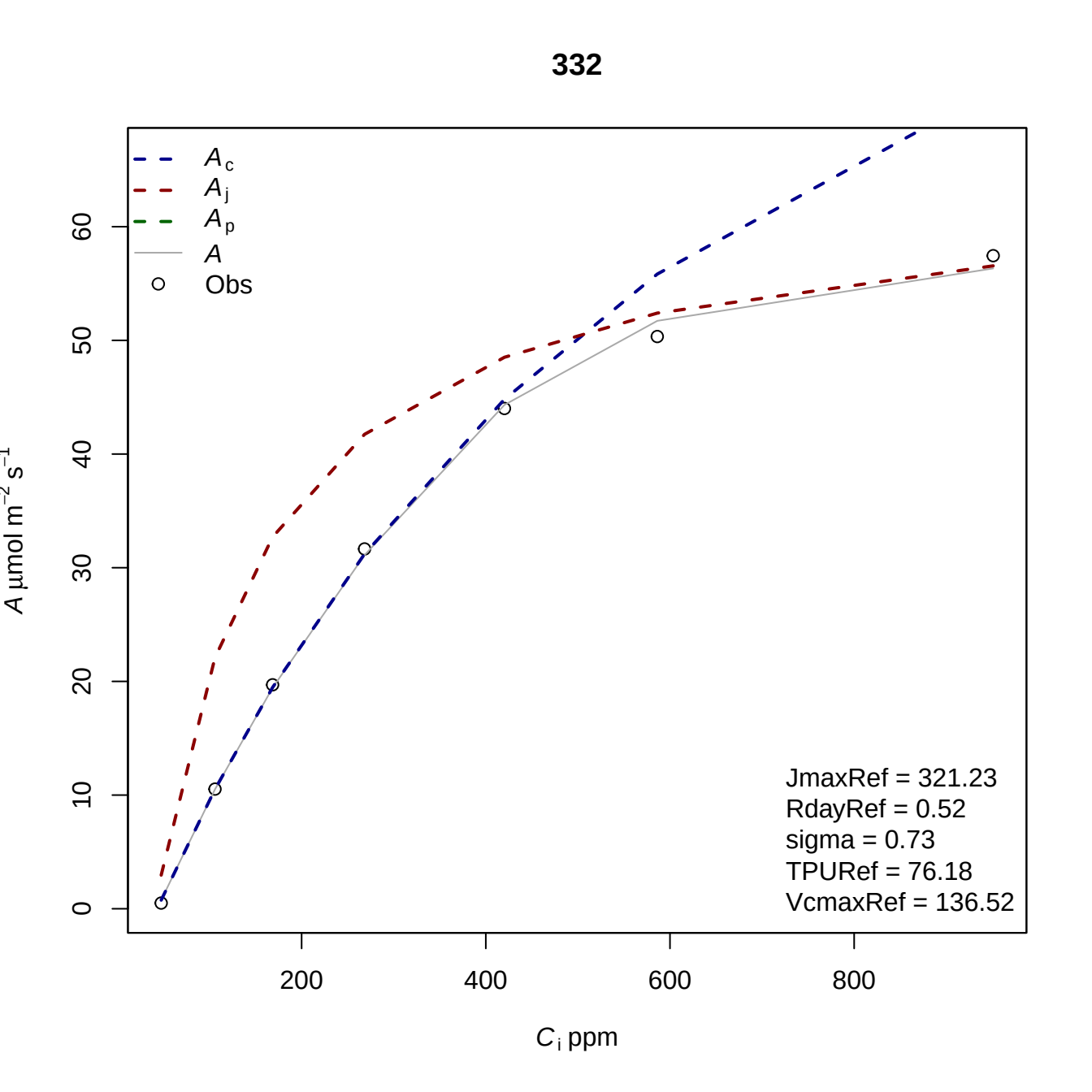

327
A_c
A_j
A_p
A
Obs
JmaxRef = 284.5
RdayRef = 0.16
sigma = 0.88
TPURef = 26.06
VcmaxRef = 131.98
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000

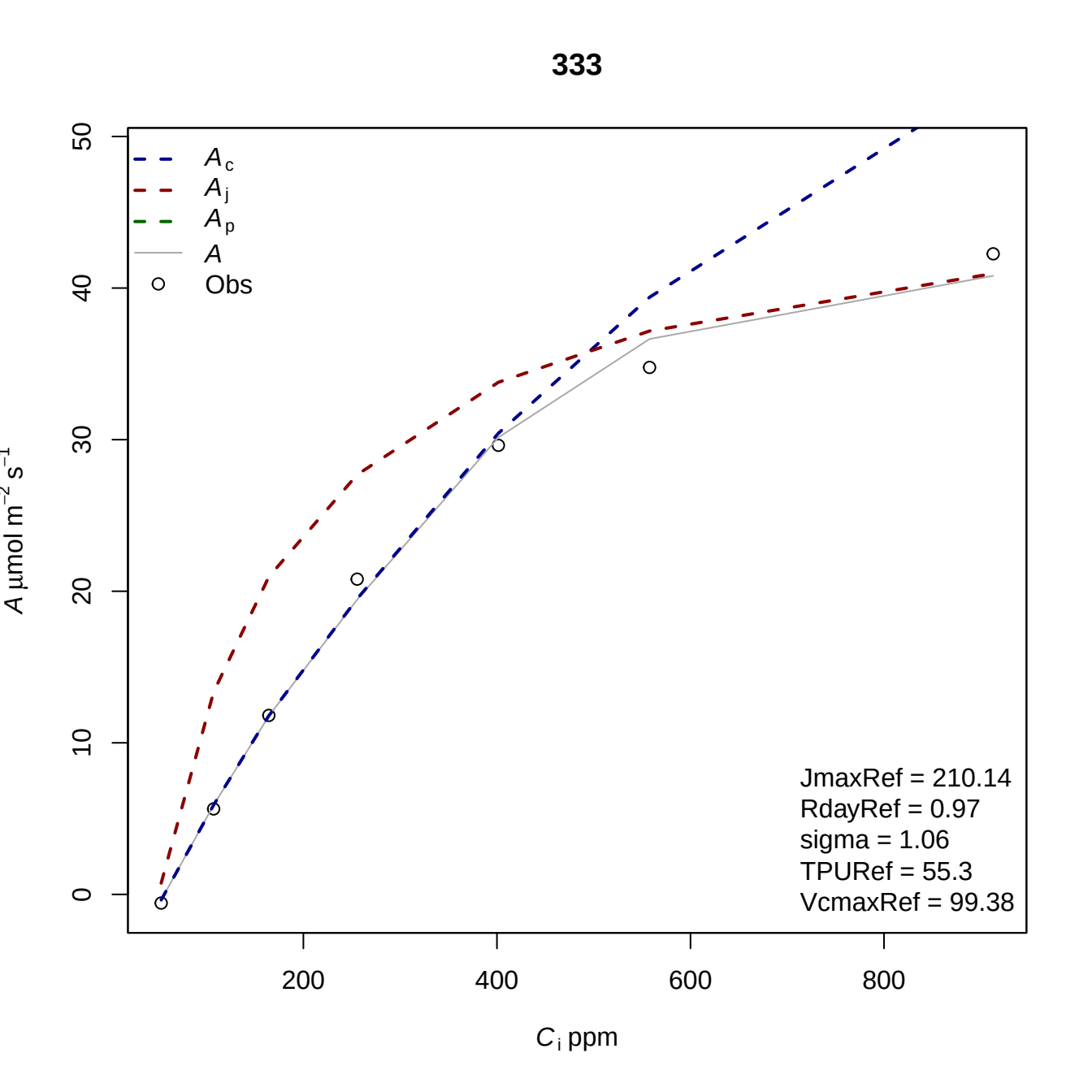

328
A_c
A_j
A_p
A
Obs
JmaxRef = 280.41
RdayRef = 0.07
sigma = 0.69
TPURef = 22.23
VcmaxRef = 125.63
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000

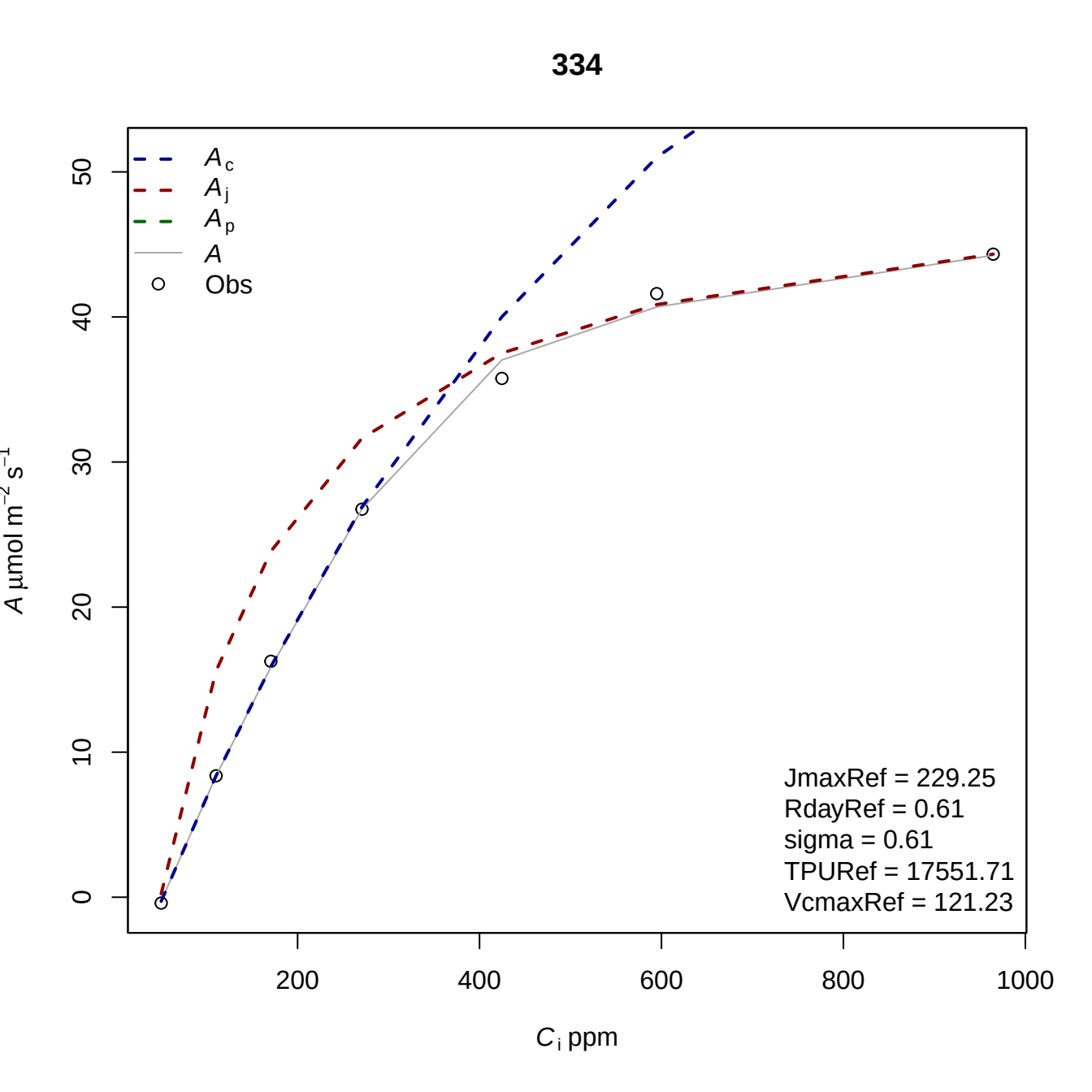

329
A_c
A_j
A_p
A
Obs
JmaxRef = 240.86
RdayRef = 0.3
sigma = 0.64
TPURef = 31.44
VcmaxRef = 115.57
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000

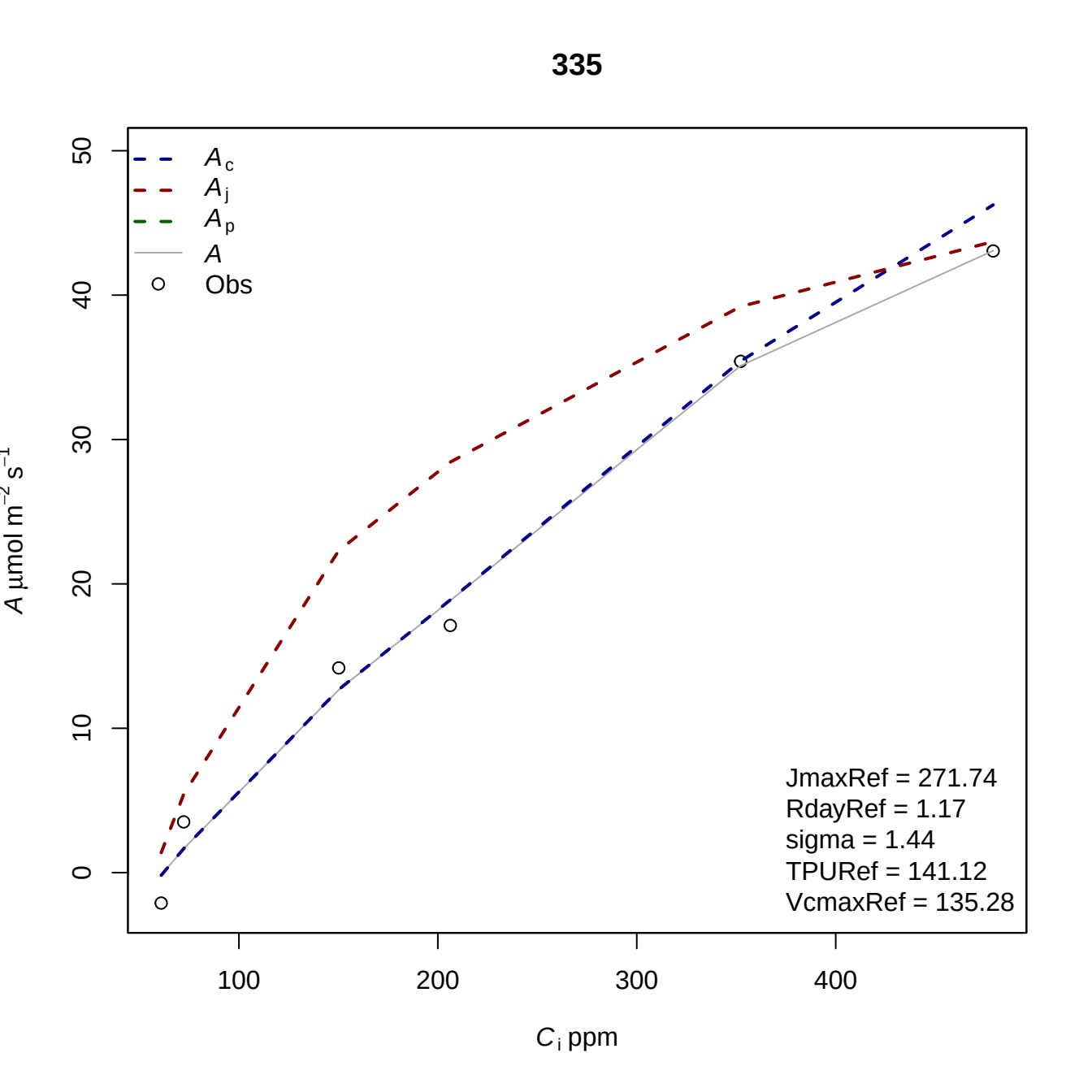

330
A_c
A_j
A_p
A
Obs
JmaxRef = 258.79
RdayRef = 0.15
sigma = 0.67
TPURef = 20.27
VcmaxRef = 116.92
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000

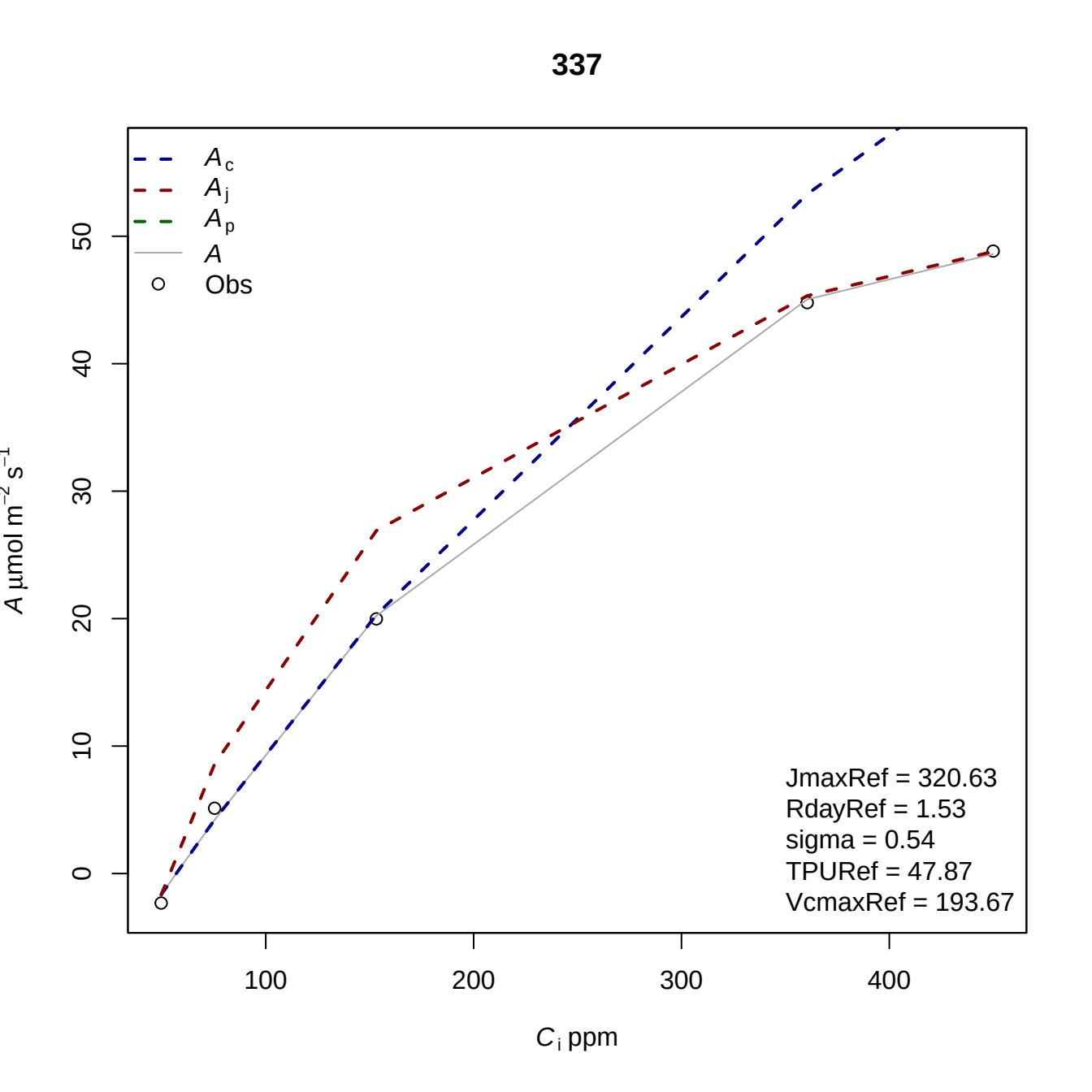

331
A_c
A_j
A_p
A
Obs
JmaxRef = 293.09
RdayRef = 0.54
sigma = 0.3
TPURef = 20.28
VcmaxRef = 126.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800

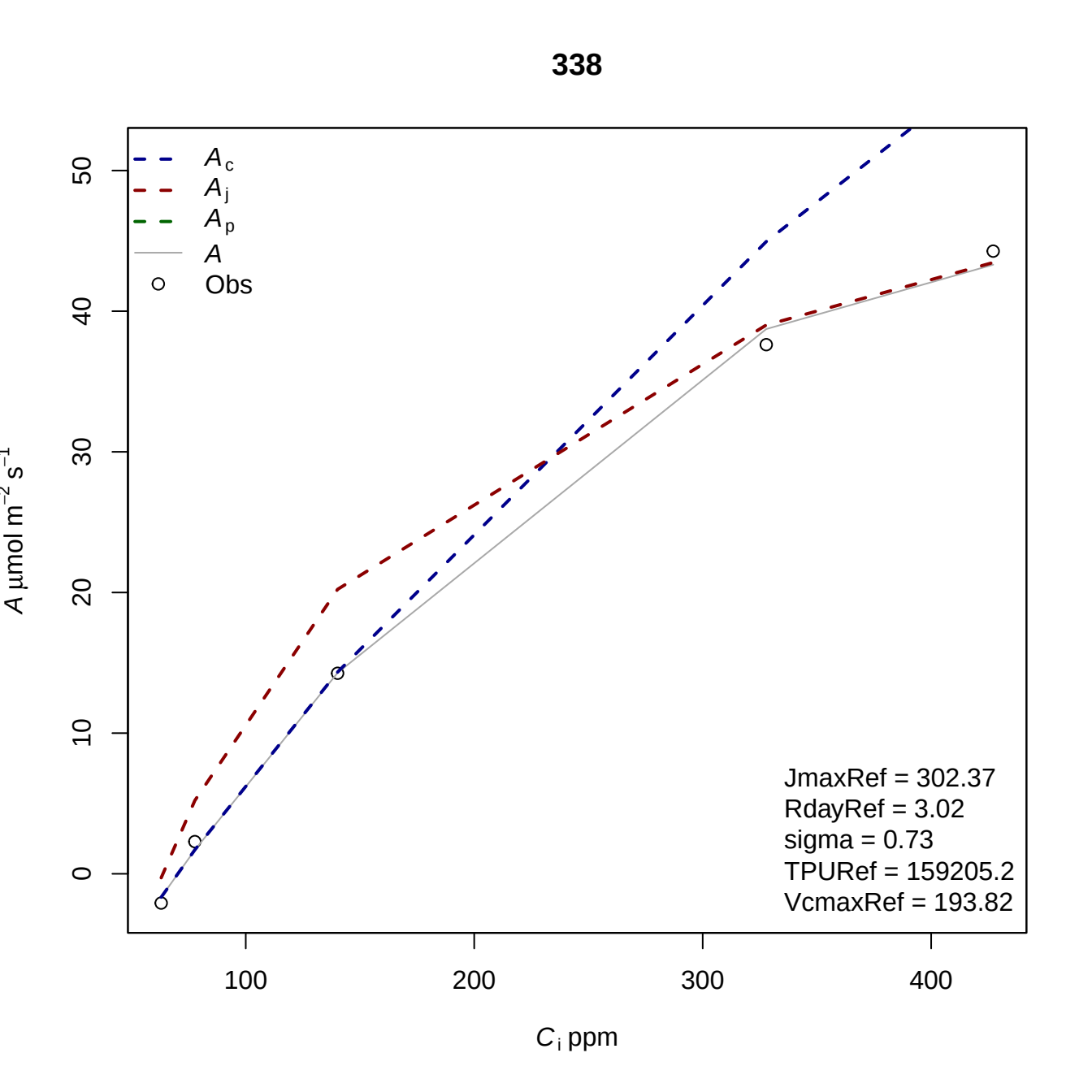

332
A_c
A_j
A_p
A
Obs
JmaxRef = 321.23
RdayRef = 0.52
sigma = 0.73
TPURef = 76.18
VcmaxRef = 136.52
0
10
20
30
40
50
60
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

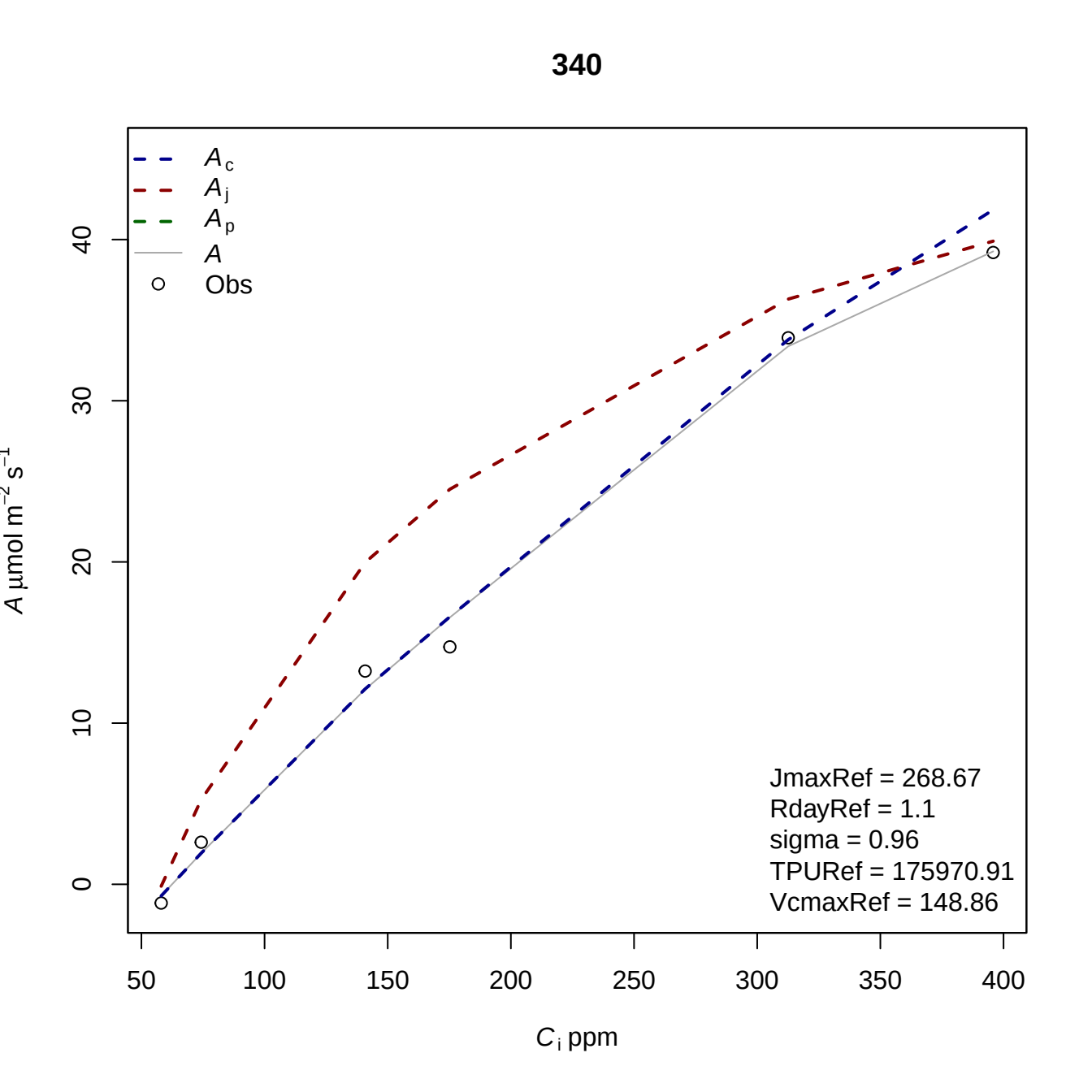

333
A_c
A_j
A_p
A
Obs
JmaxRef = 210.14
RdayRef = 0.97
sigma = 1.06
TPURef = 55.3
VcmaxRef = 99.38
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

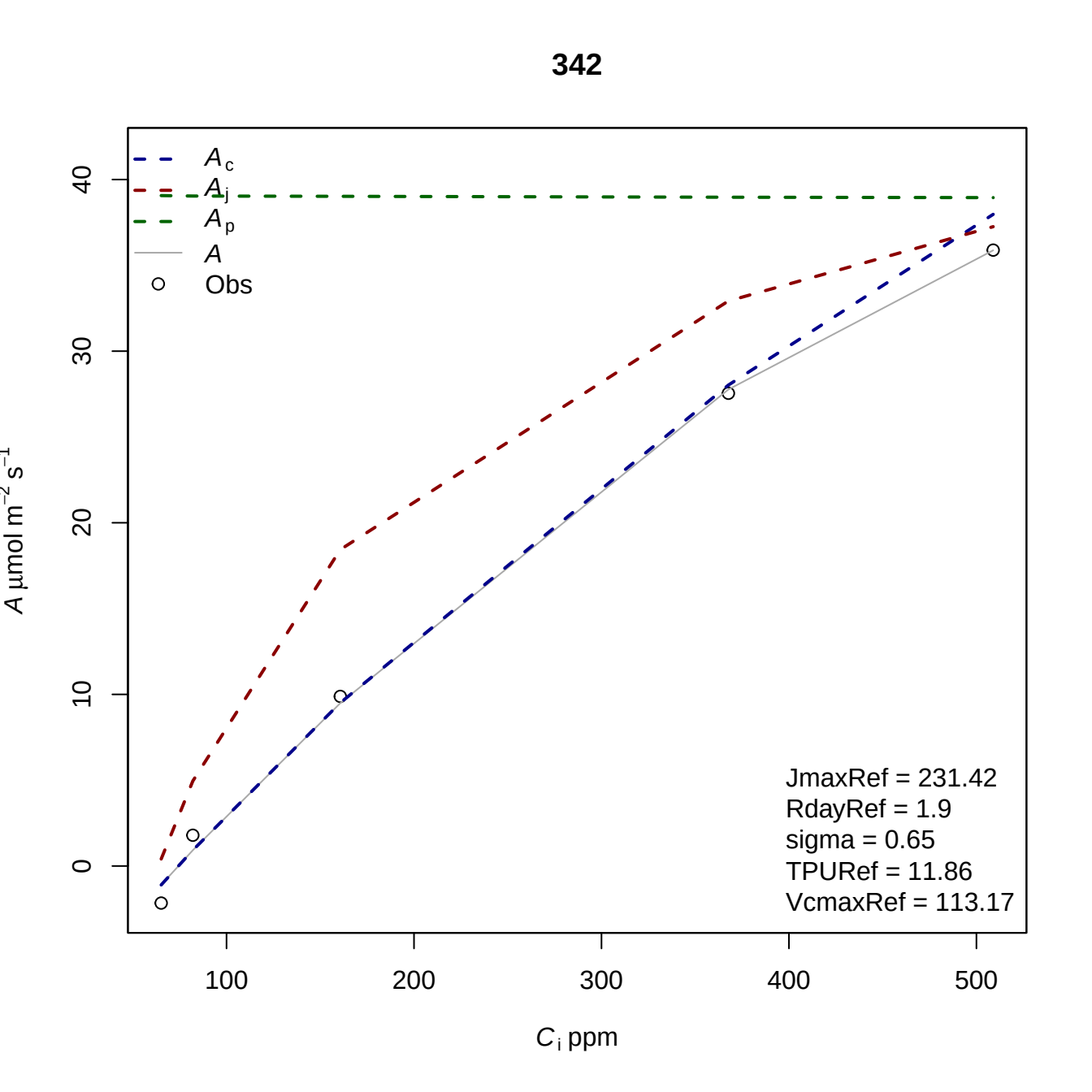

334
A_c
A_j
A_p
A
Obs
JmaxRef = 229.25
RdayRef = 0.61
sigma = 0.61
TPURef = 17551.71
VcmaxRef = 121.23
0
10
20
30
40
50
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

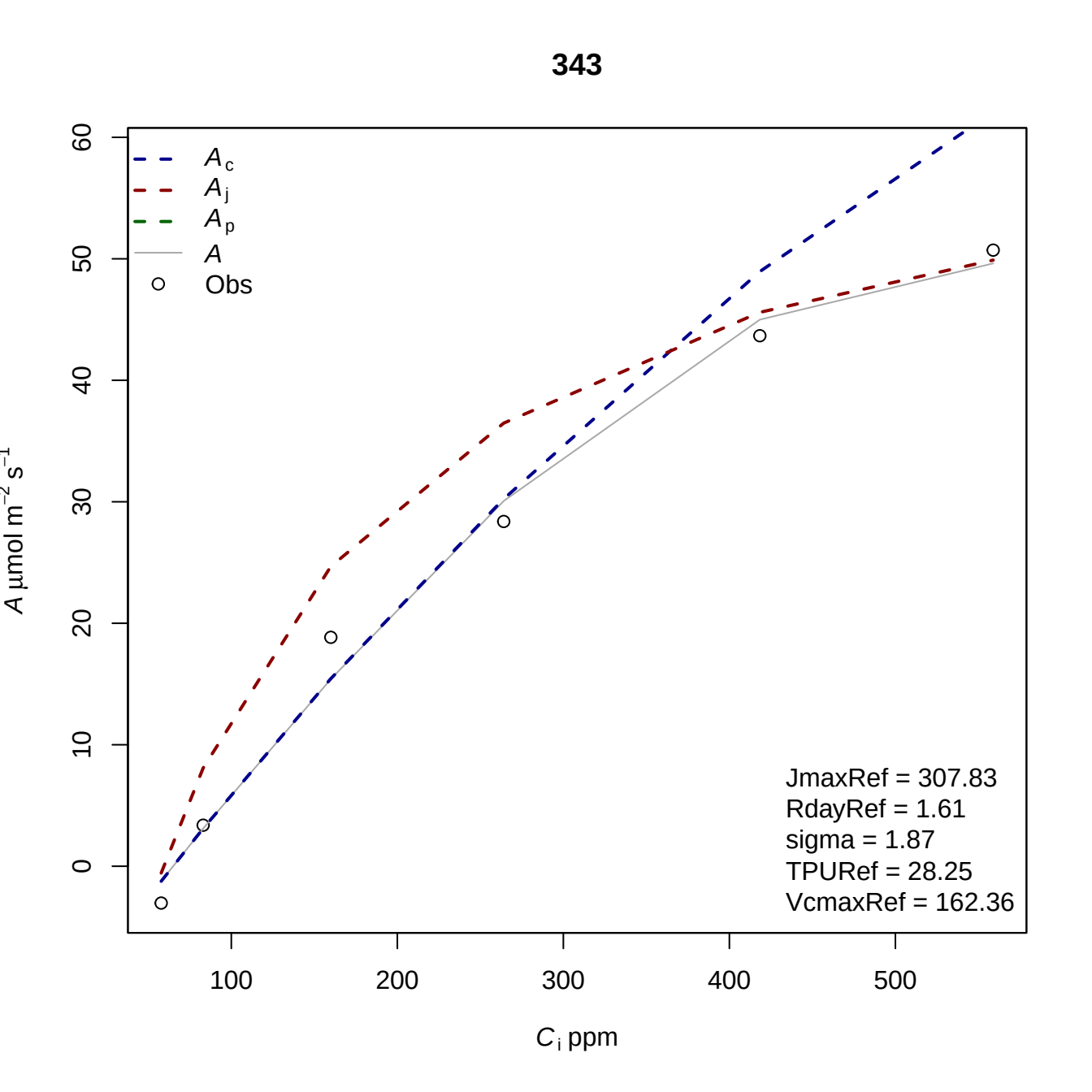

335
A_c
A_j
A_p
A
Obs
JmaxRef = 271.74
RdayRef = 1.17
sigma = 1.44
TPURef = 141.12
VcmaxRef = 135.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

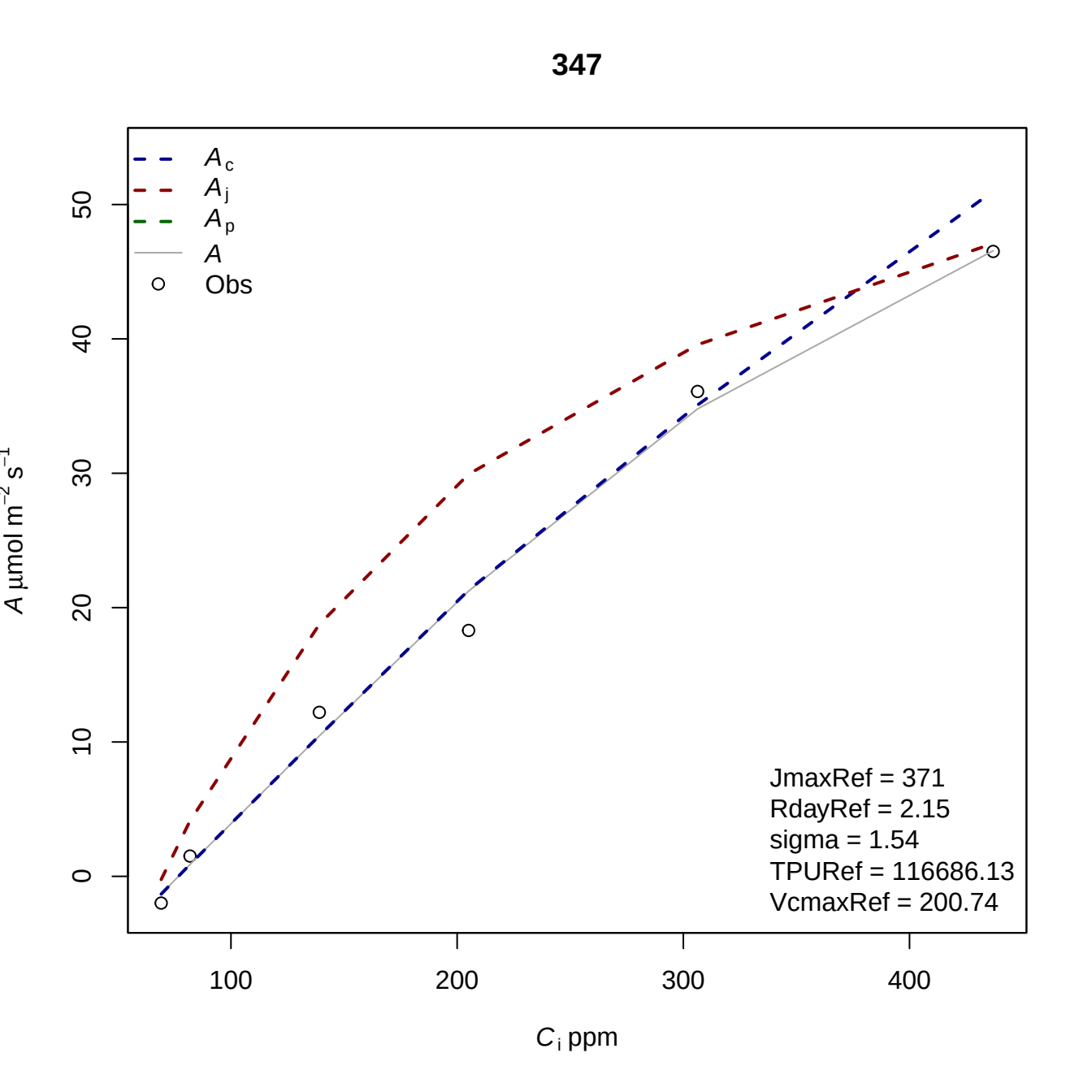

337
A_c
A_j
A_p
A
Obs
JmaxRef = 320.63
RdayRef = 1.53
sigma = 0.54
TPURef = 47.87
VcmaxRef = 193.67
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

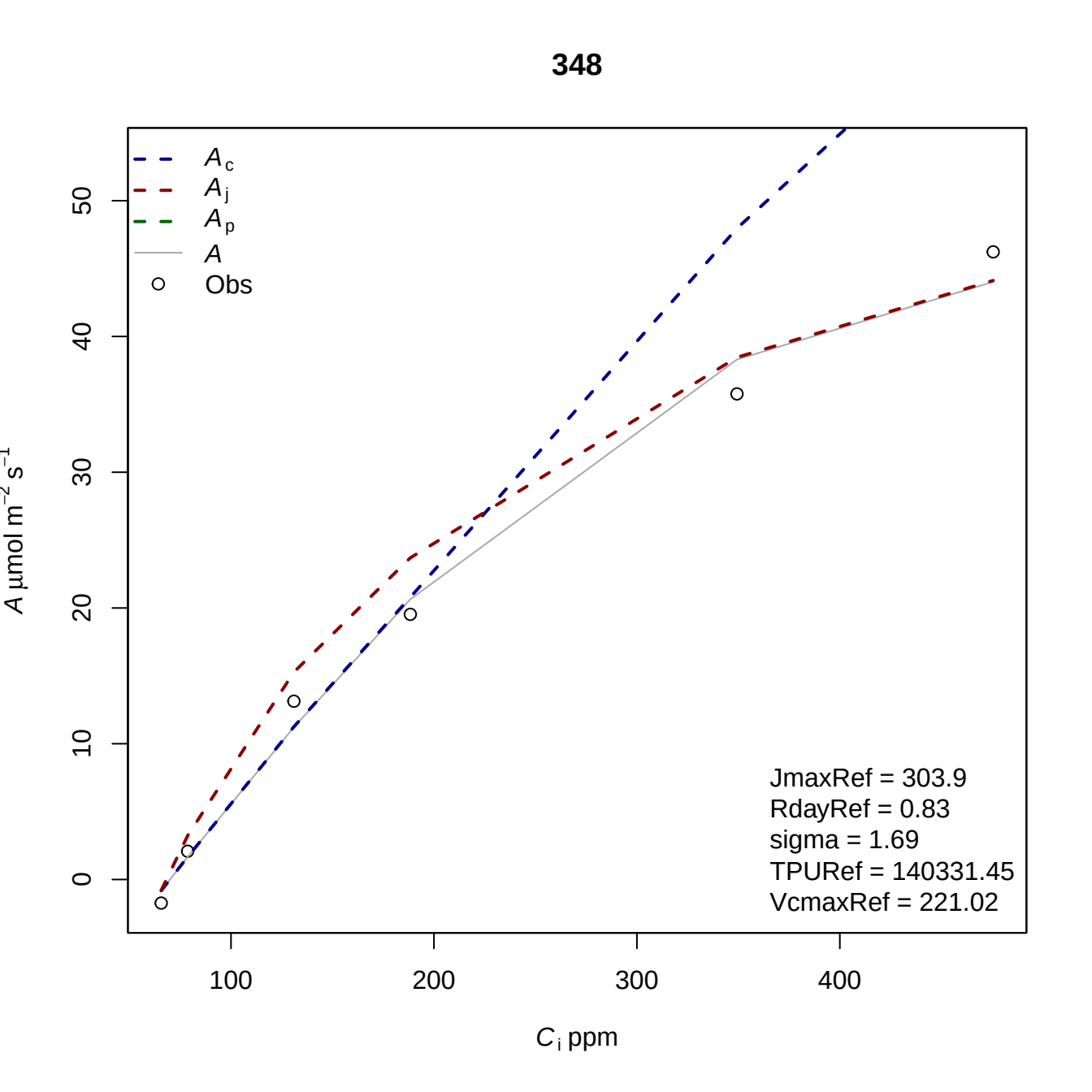

338
A_c
A_j
A_p
A
Obs
JmaxRef = 302.37
RdayRef = 3.02
sigma = 0.73
TPURef = 159205.2
VcmaxRef = 193.82
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

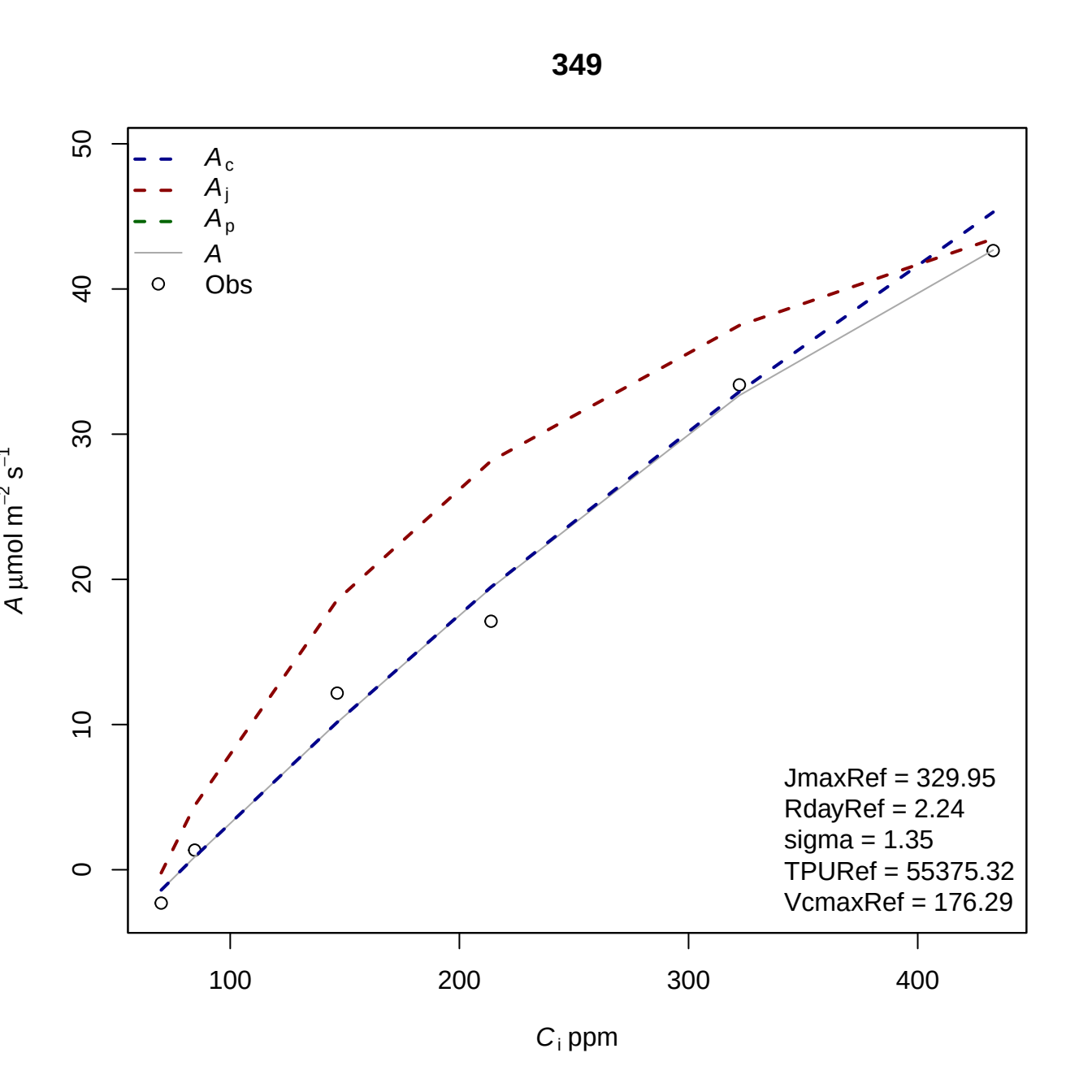

340
A_c
A_j
A_p
A
Obs
JmaxRef = 268.67
RdayRef = 1.1
sigma = 0.96
TPURef = 175970.91
VcmaxRef = 148.86
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
150
200
250
300
350
400

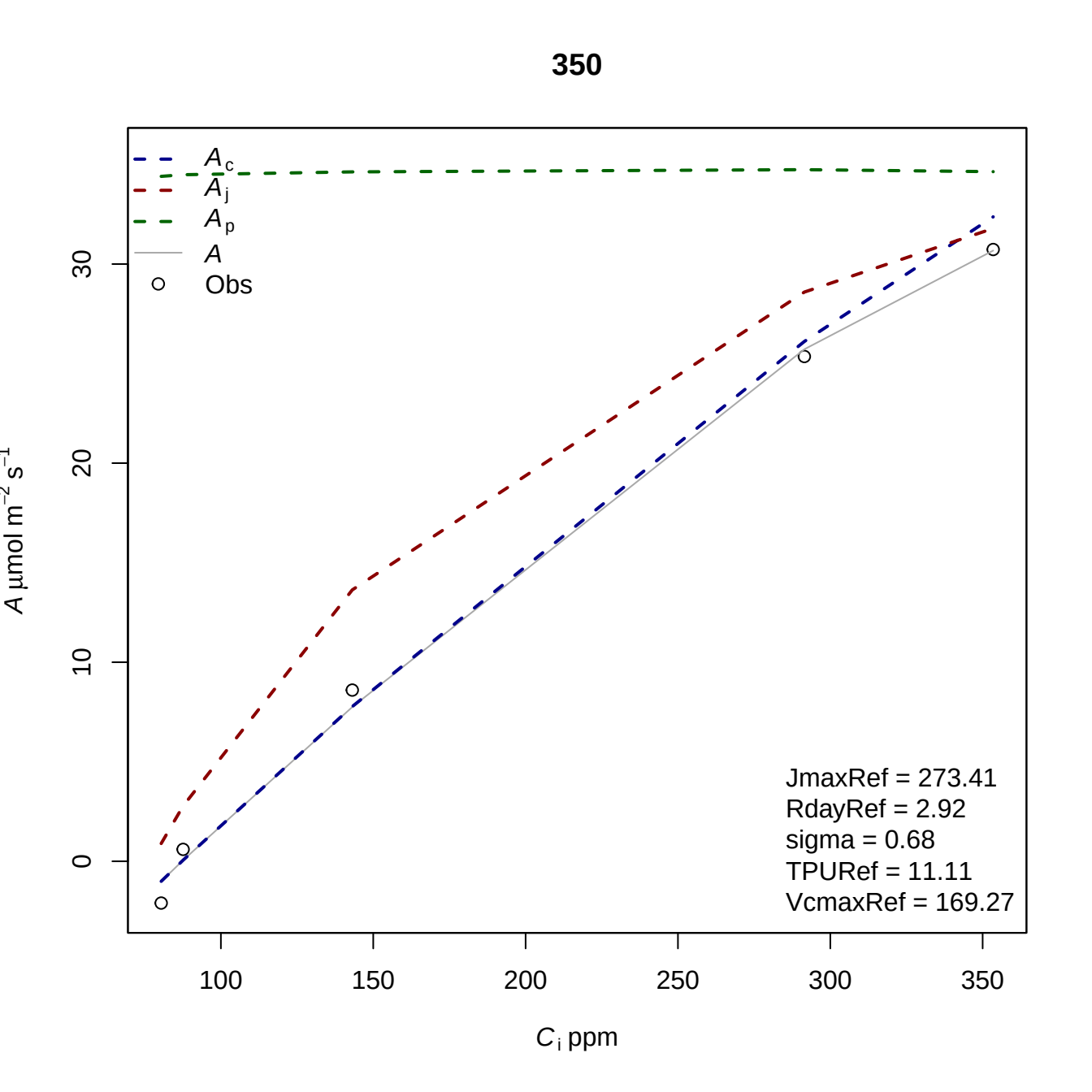

342
A_c
A_j
A_p
A
Obs
JmaxRef = 231.42
RdayRef = 1.9
sigma = 0.65
TPURef = 11.86
VcmaxRef = 113.17
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

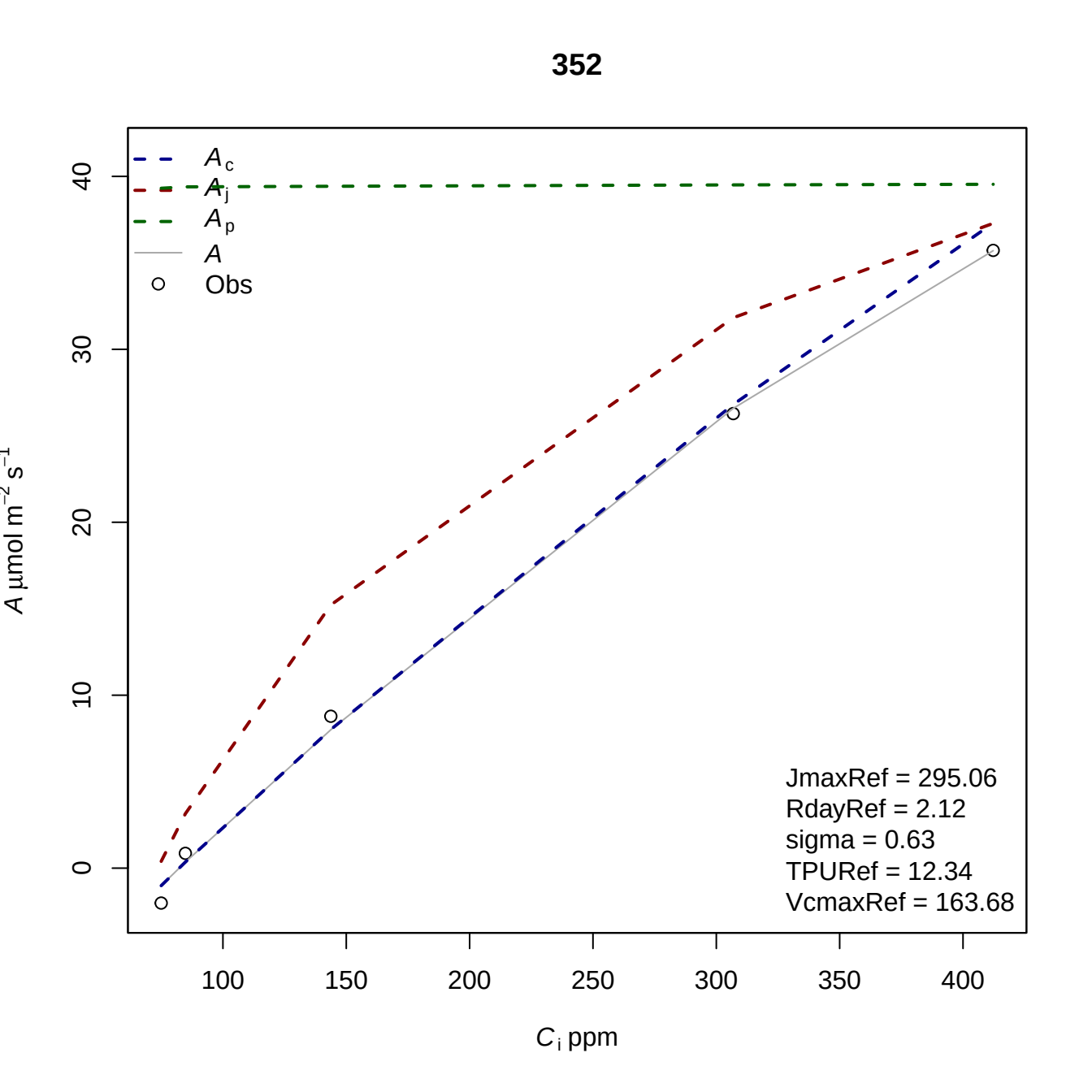

343
A_c
A_j
A_p
A
Obs
JmaxRef = 307.83
RdayRef = 1.61
sigma = 1.87
TPURef = 28.25
VcmaxRef = 162.36
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

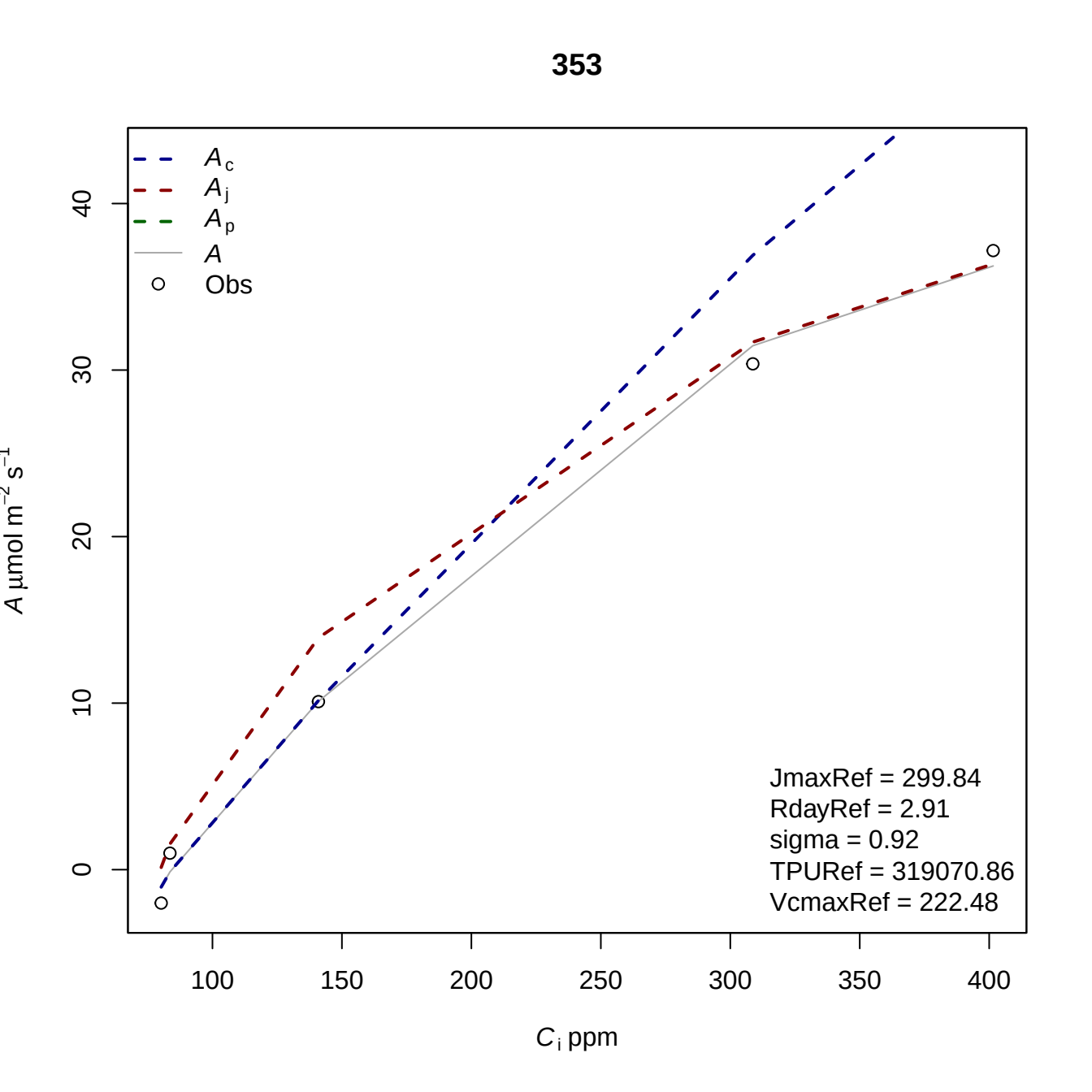

347
A_c
A_j
A_p
A
Obs
JmaxRef = 371
RdayRef = 2.15
sigma = 1.54
TPURef = 116686.13
VcmaxRef = 200.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

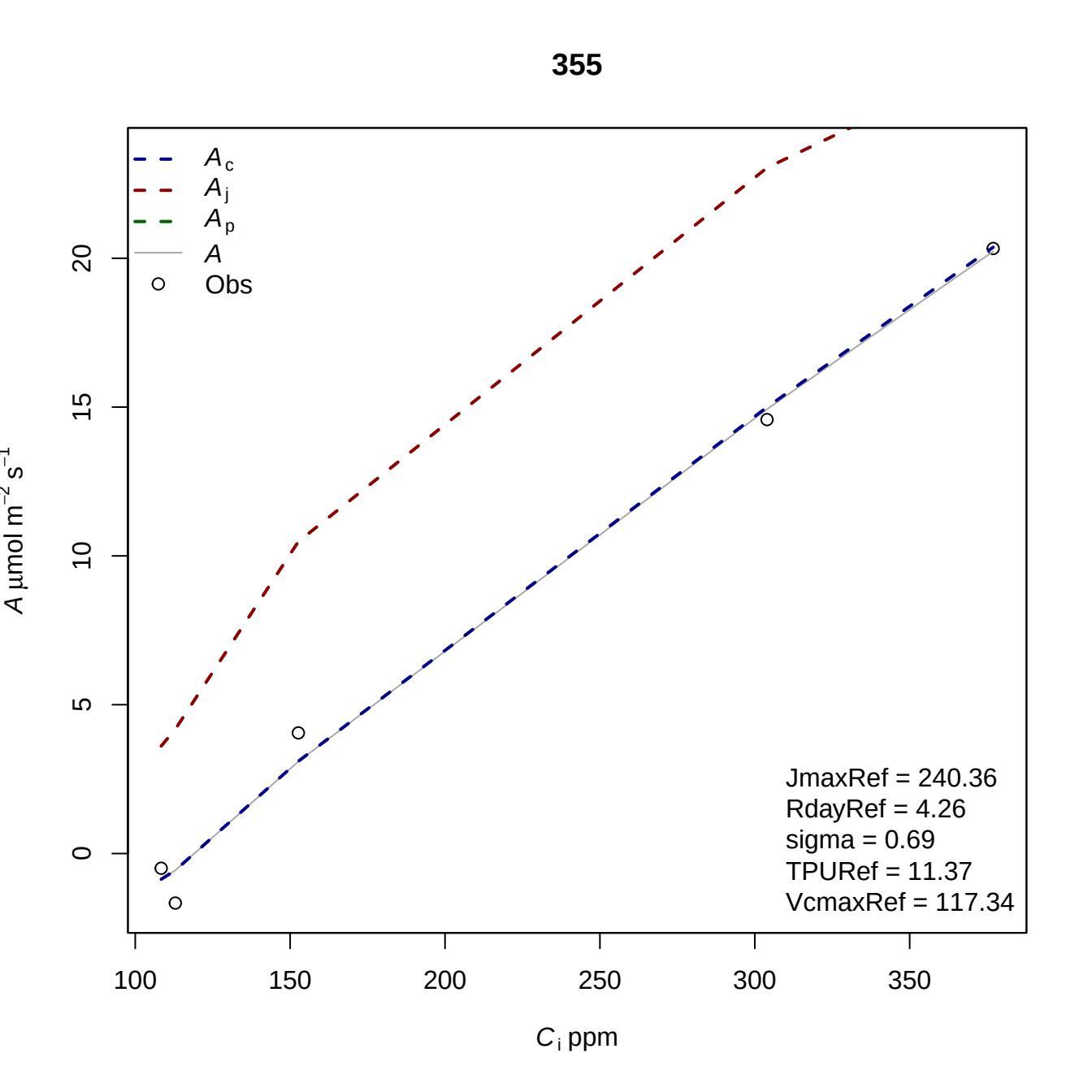

348
A_c
A_j
A_p
A
Obs
JmaxRef = 303.9
RdayRef = 0.83
sigma = 1.69
TPURef = 140331.45
VcmaxRef = 221.02
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

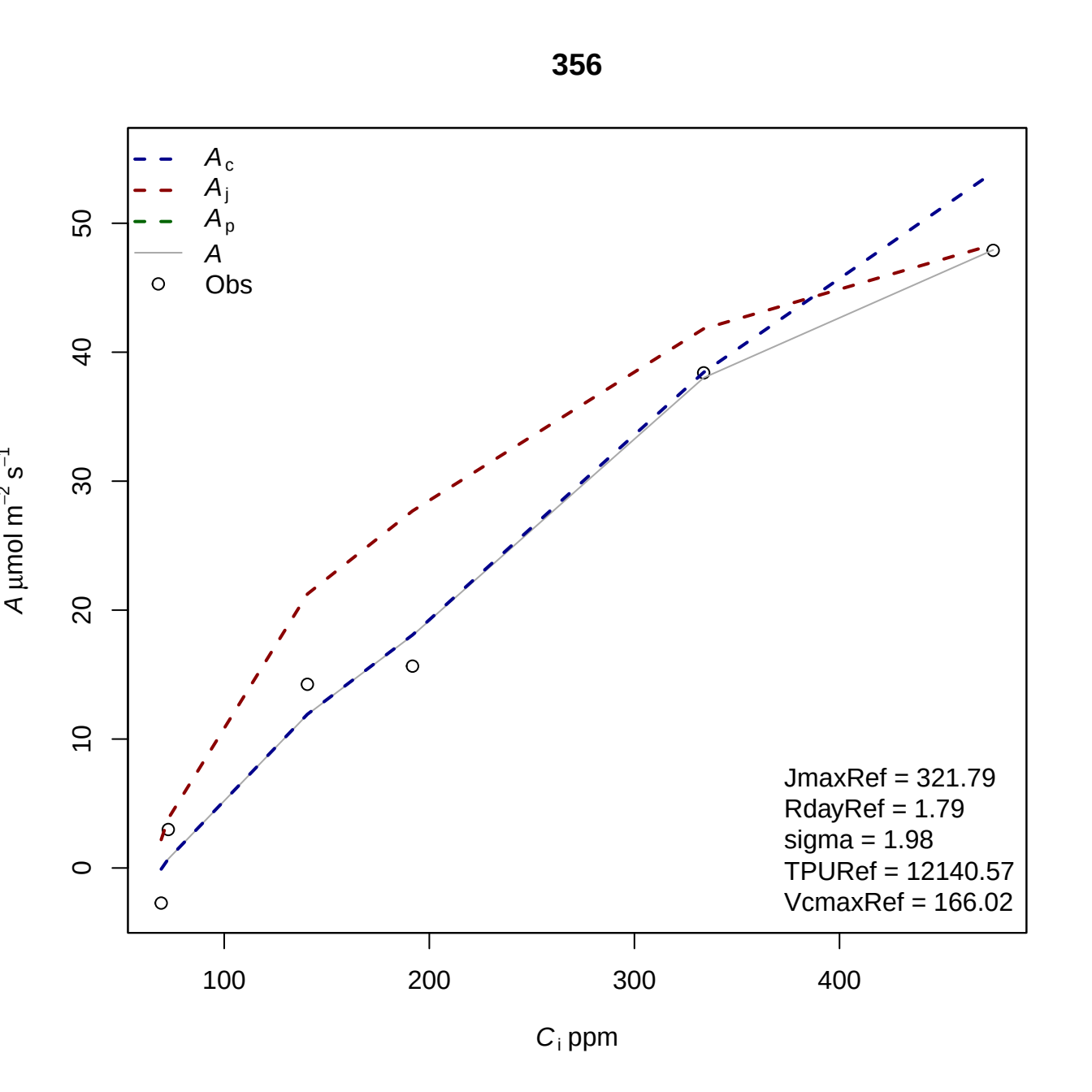

349
A_c
A_j
A_p
A
Obs
JmaxRef = 329.95
RdayRef = 2.24
sigma = 1.35
TPURef = 55375.32
VcmaxRef = 176.29
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

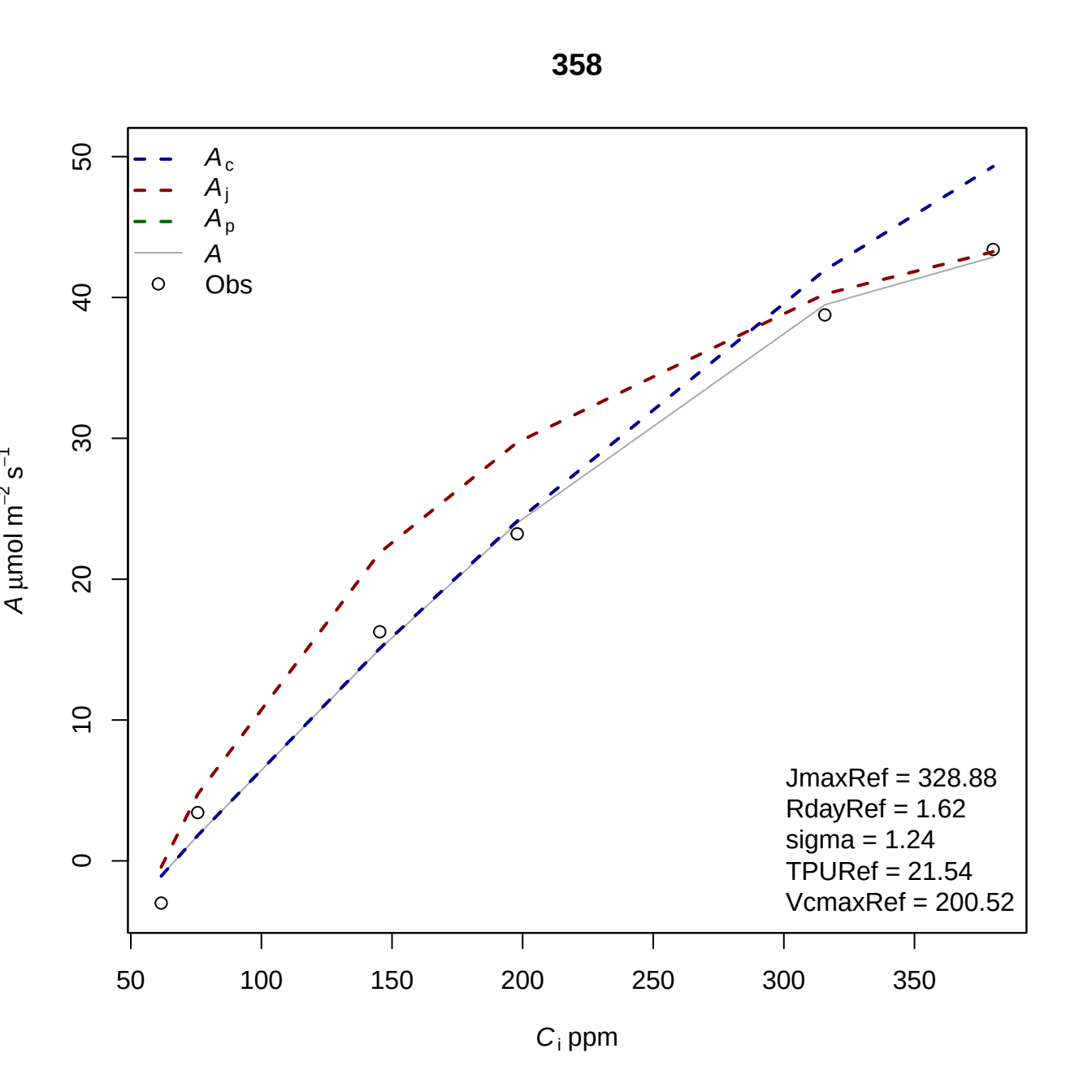

350
A_c
A_j
A_p
A
Obs
JmaxRef = 273.41
RdayRef = 2.92
sigma = 0.68
TPURef = 11.11
VcmaxRef = 169.27
0
10
20
30
100
150
200
250
300
350
A µmol m^{-2} s^{-1}
C_i ppm

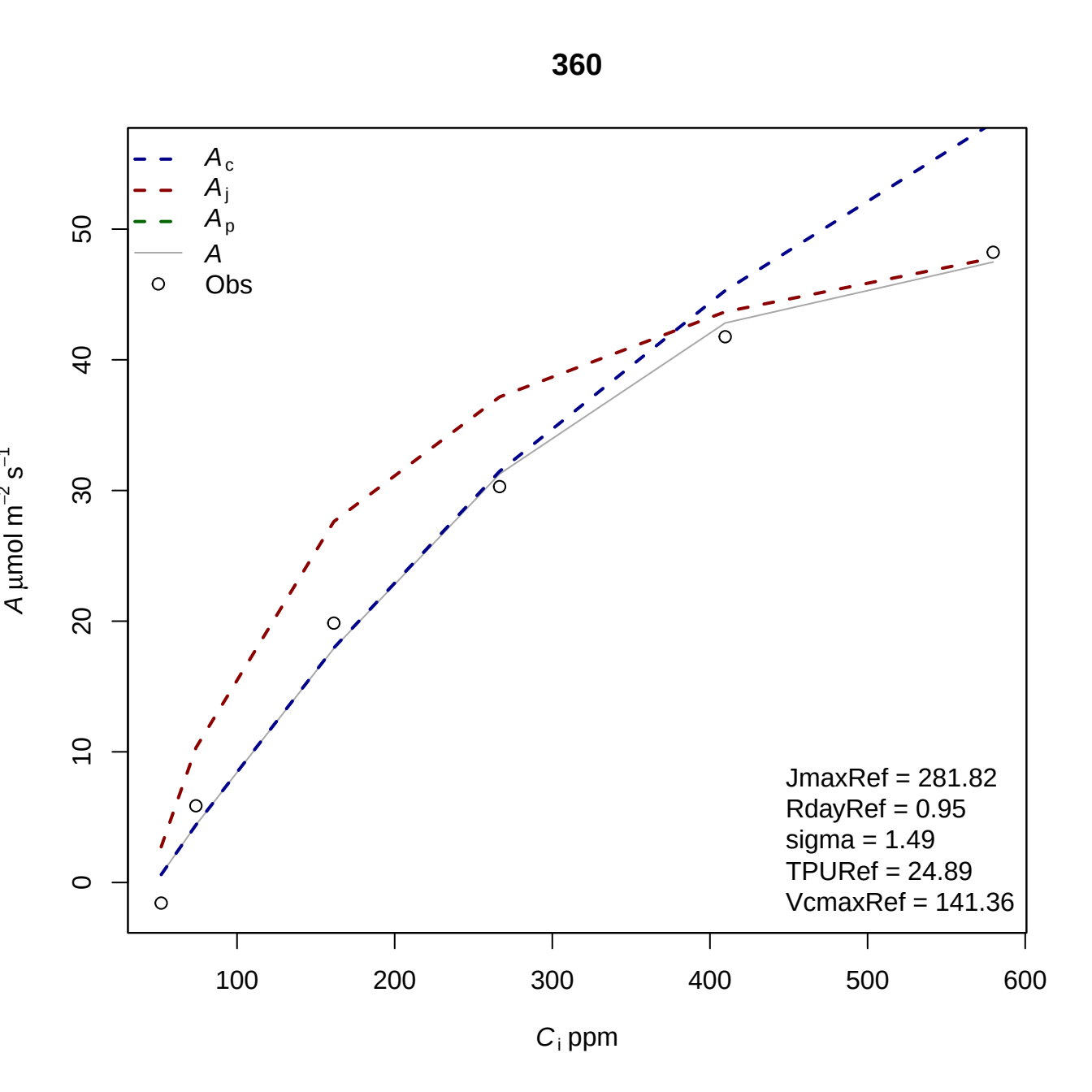

352
A_c
A_j
A_p
A
Obs
JmaxRef = 295.06
RdayRef = 2.12
sigma = 0.63
TPURef = 12.34
VcmaxRef = 163.68
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
150
200
250
300
350
400

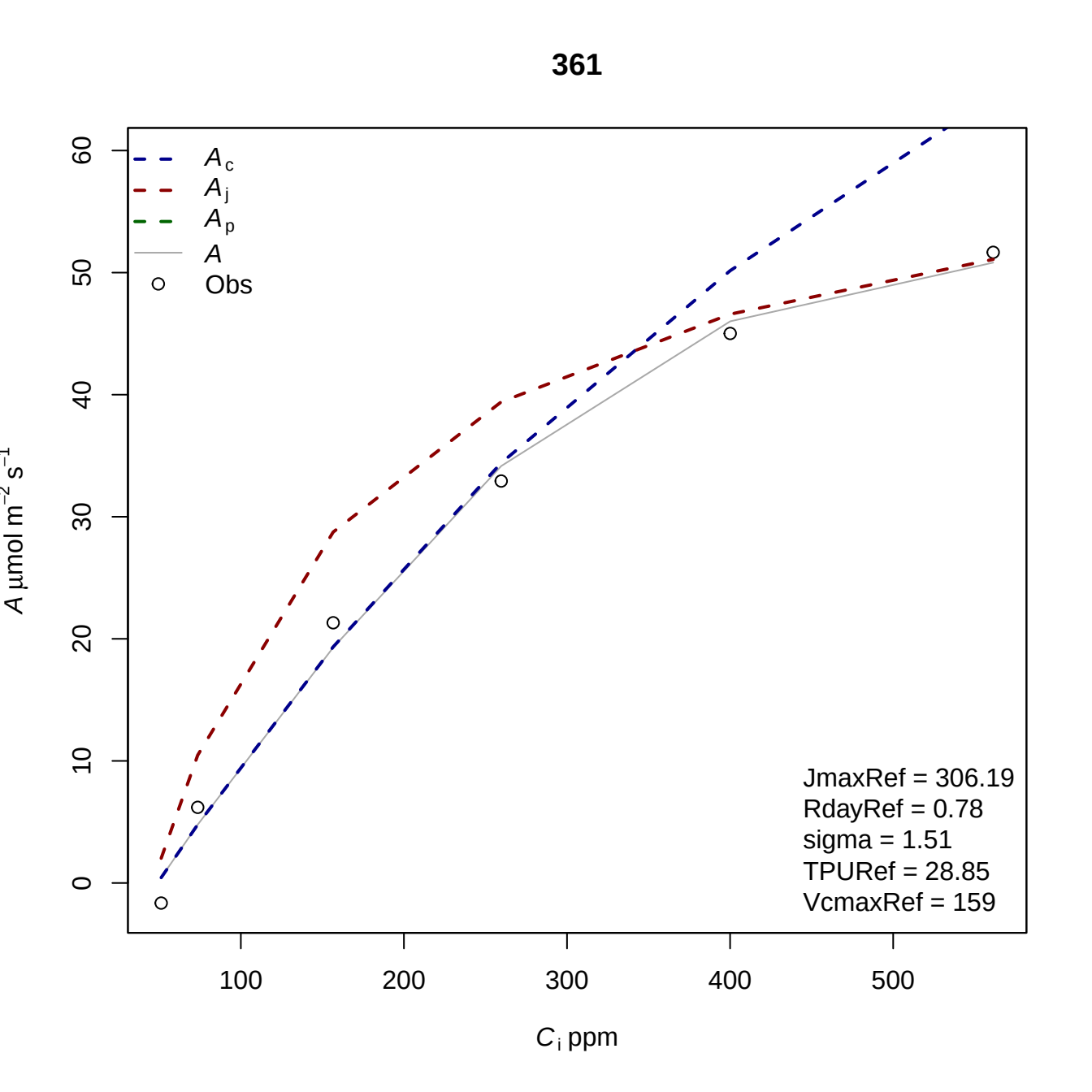

353
A_c
A_j
A_p
A
Obs
JmaxRef = 299.84
RdayRef = 2.91
sigma = 0.92
TPURef = 319070.86
VcmaxRef = 222.48
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
150
200
250
300
350
400

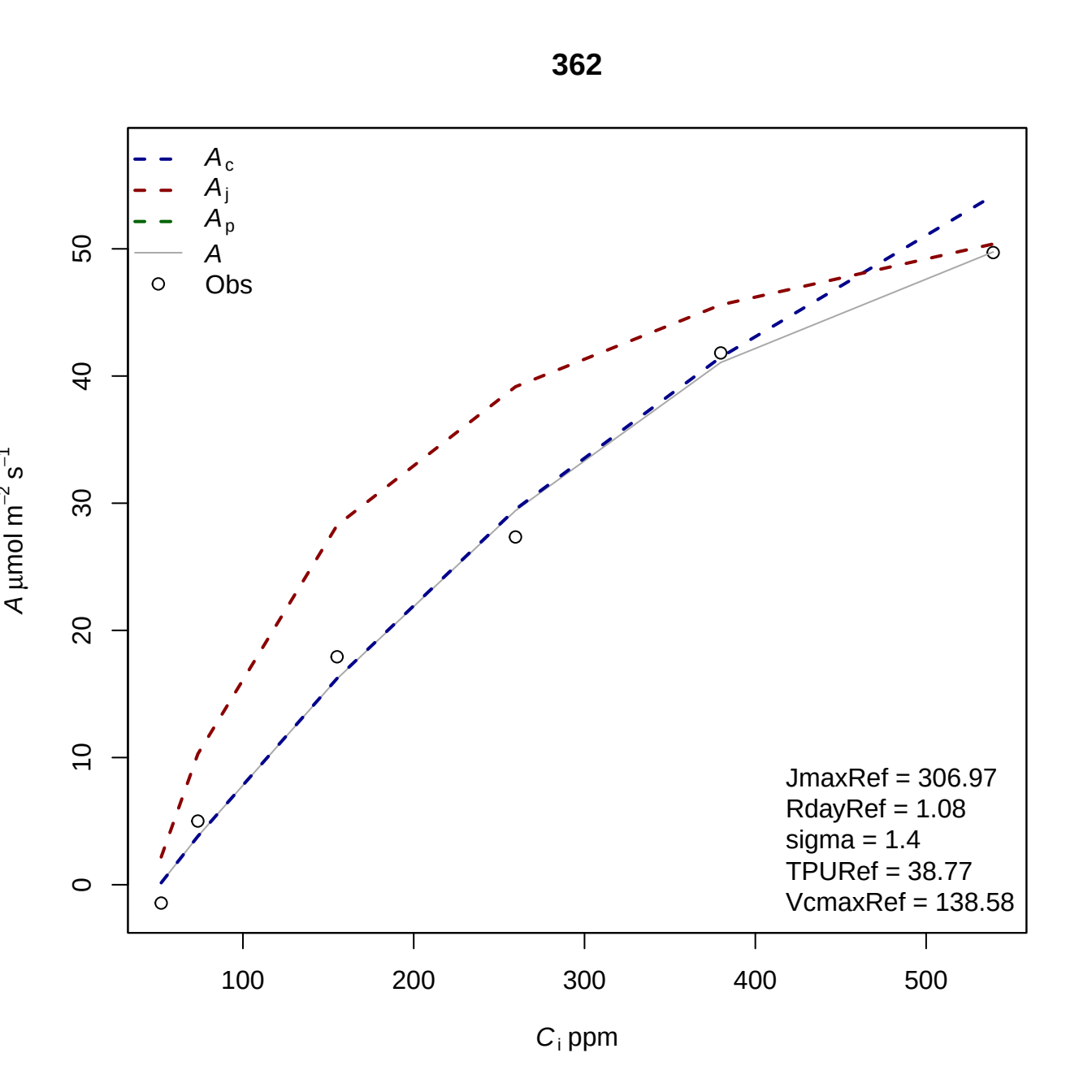

355
A_c
A_j
A_p
A
Obs
JmaxRef = 240.36
RdayRef = 4.26
sigma = 0.69
TPURef = 11.37
VcmaxRef = 117.34
A µmol m^{-2} s^{-1}
0
5
10
15
20
100
150
200
250
300
350
C_i ppm

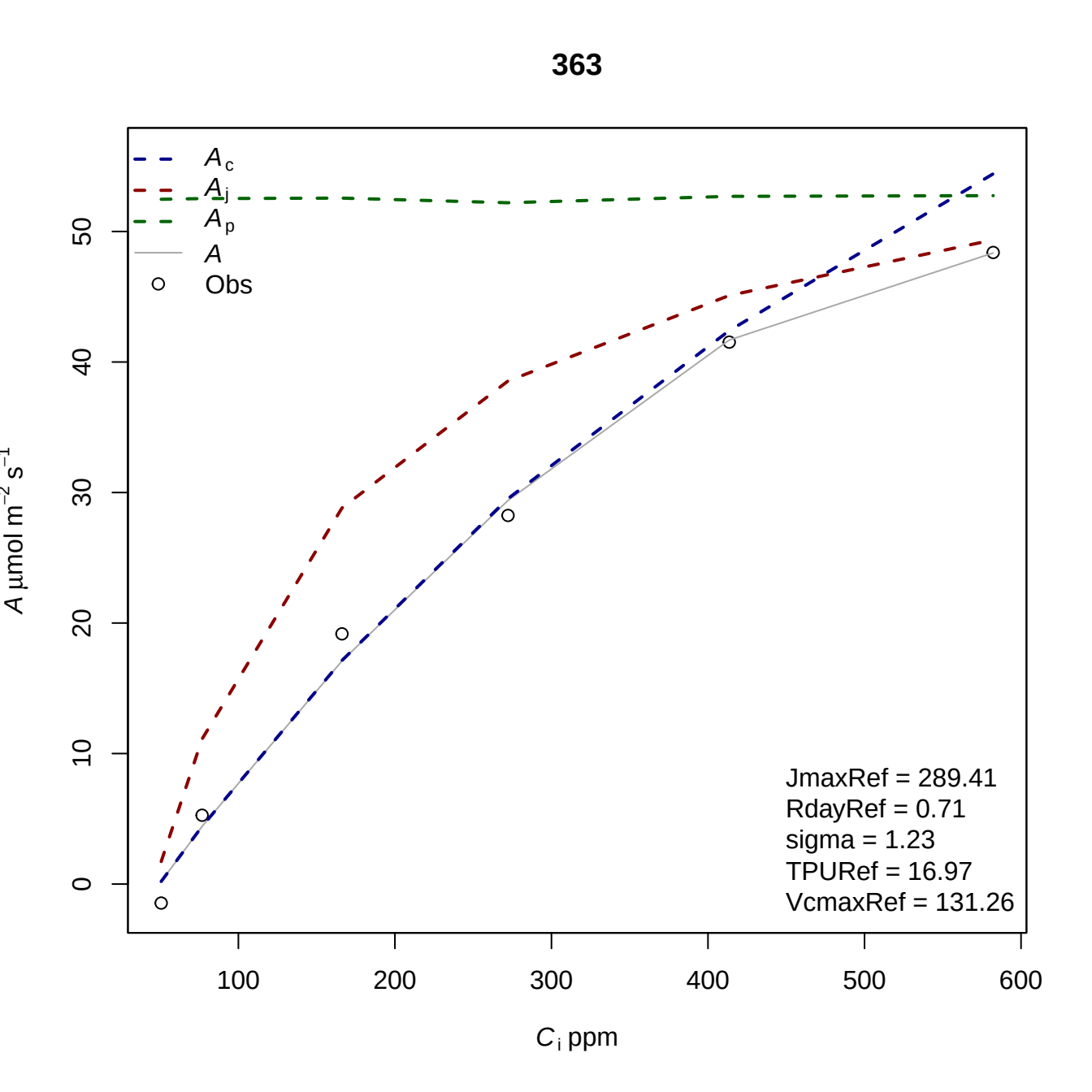

356
A_c
A_j
A_p
A
Obs
JmaxRef = 321.79
RdayRef = 1.79
sigma = 1.98
TPURef = 12140.57
VcmaxRef = 166.02
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

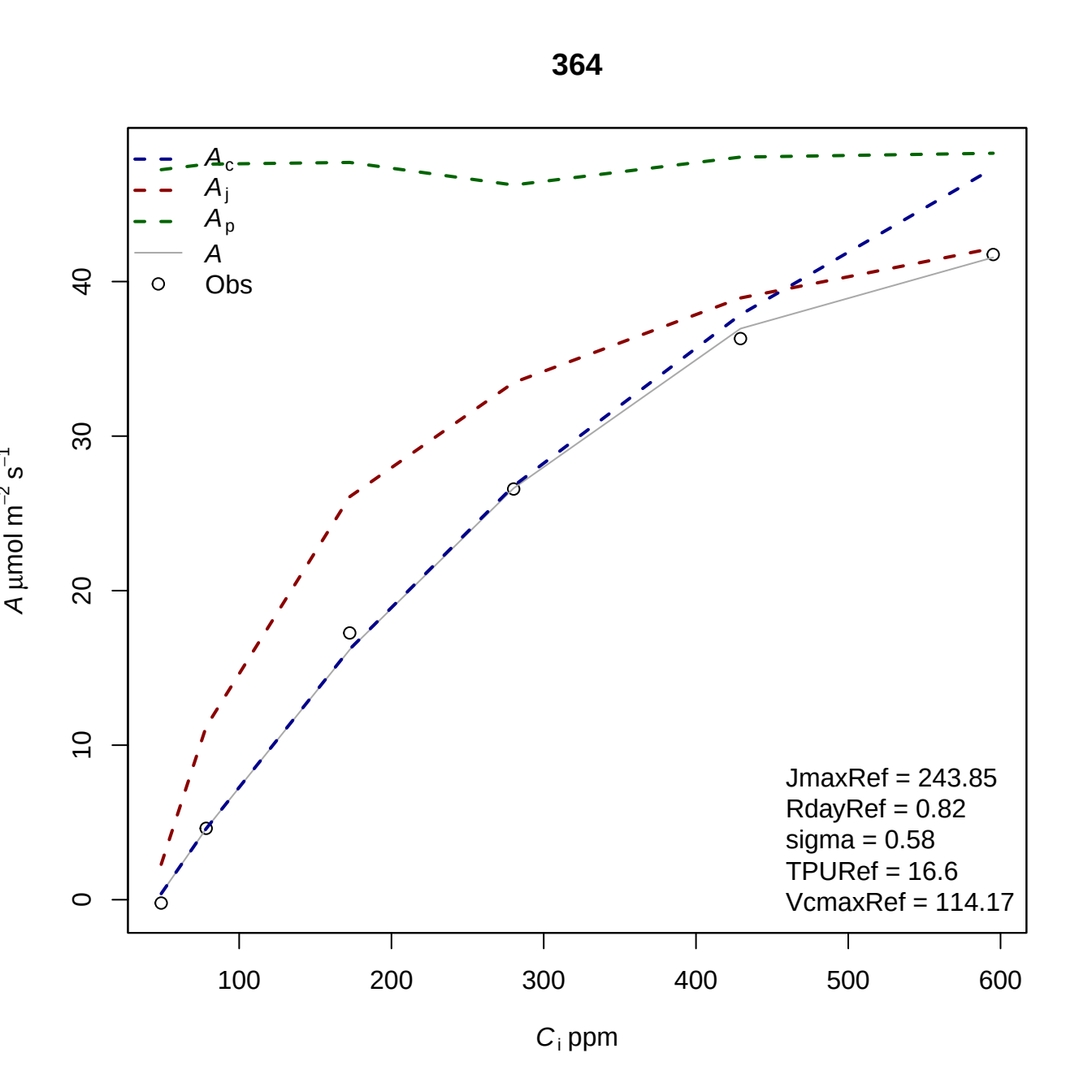

358
A_c
A_j
A_p
A
Obs
JmaxRef = 328.88
RdayRef = 1.62
sigma = 1.24
TPURef = 21.54
VcmaxRef = 200.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
50
100
150
200
250
300
350

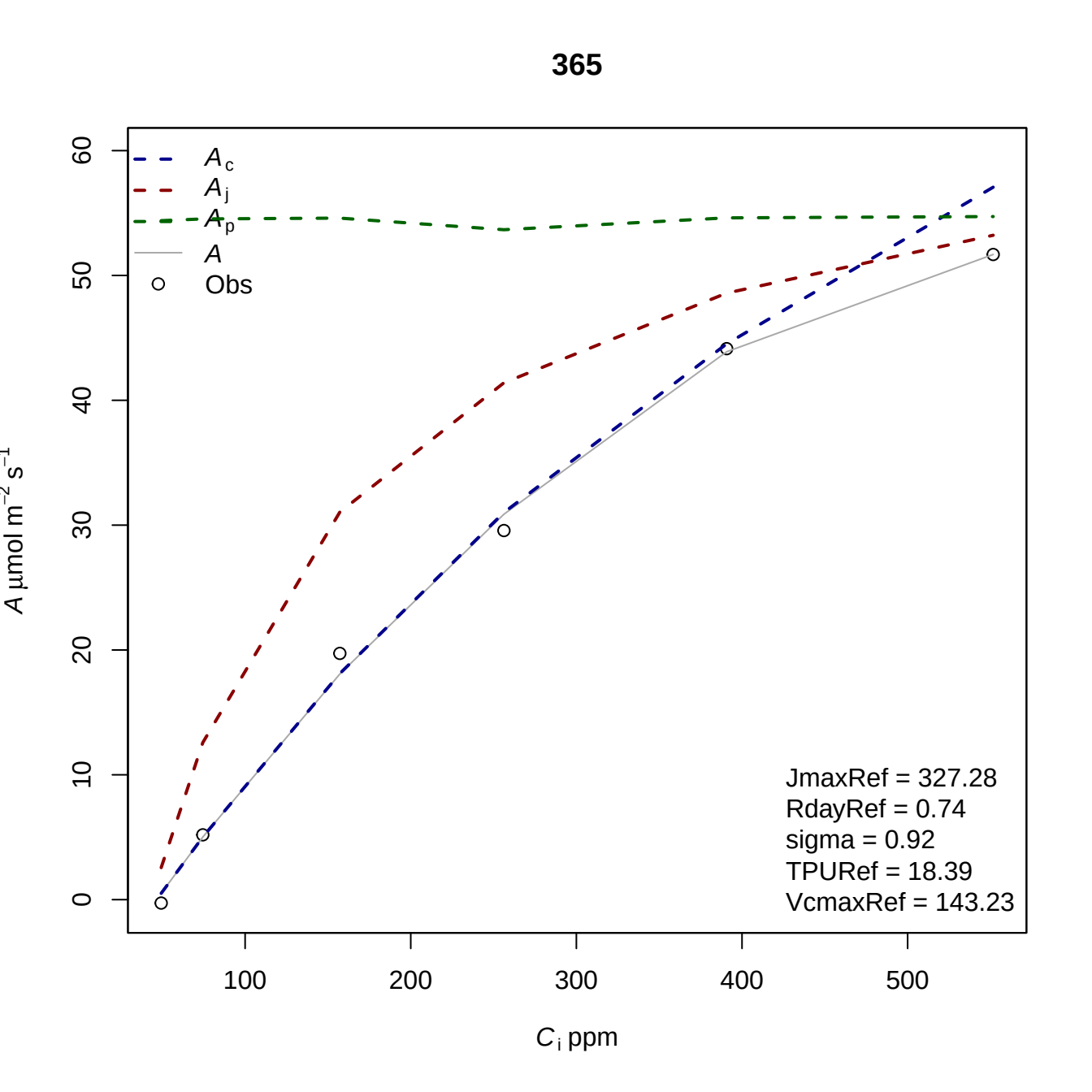

360
A_c
A_j
A_p
A
Obs
JmaxRef = 281.82
RdayRef = 0.95
sigma = 1.49
TPURef = 24.89
VcmaxRef = 141.36
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

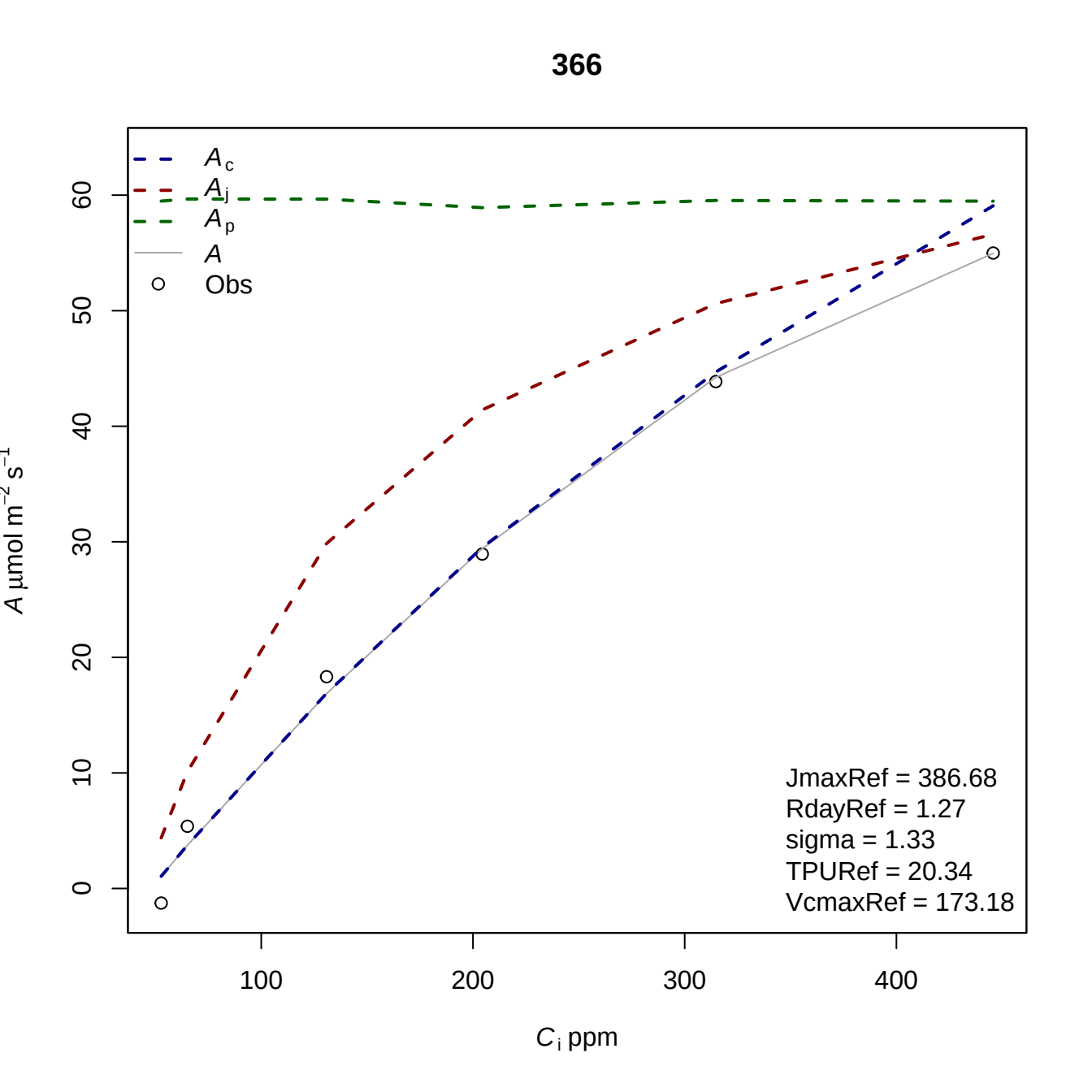

361
A_c
A_j
A_p
A
Obs
JmaxRef = 306.19
RdayRef = 0.78
sigma = 1.51
TPURef = 28.85
VcmaxRef = 159
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

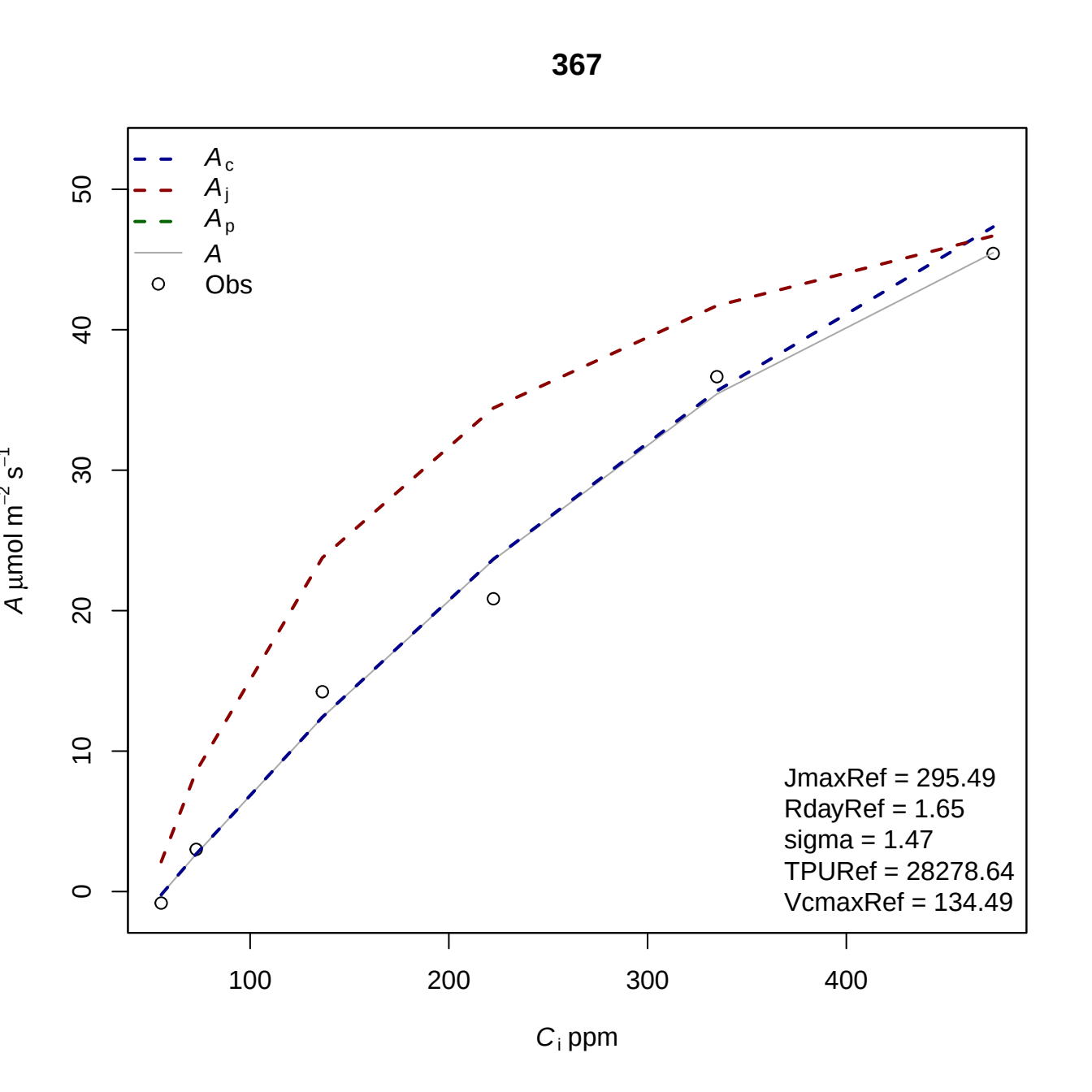

362
A_c
A_j
A_p
A
Obs
JmaxRef = 306.97
RdayRef = 1.08
sigma = 1.4
TPURef = 38.77
VcmaxRef = 138.58
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

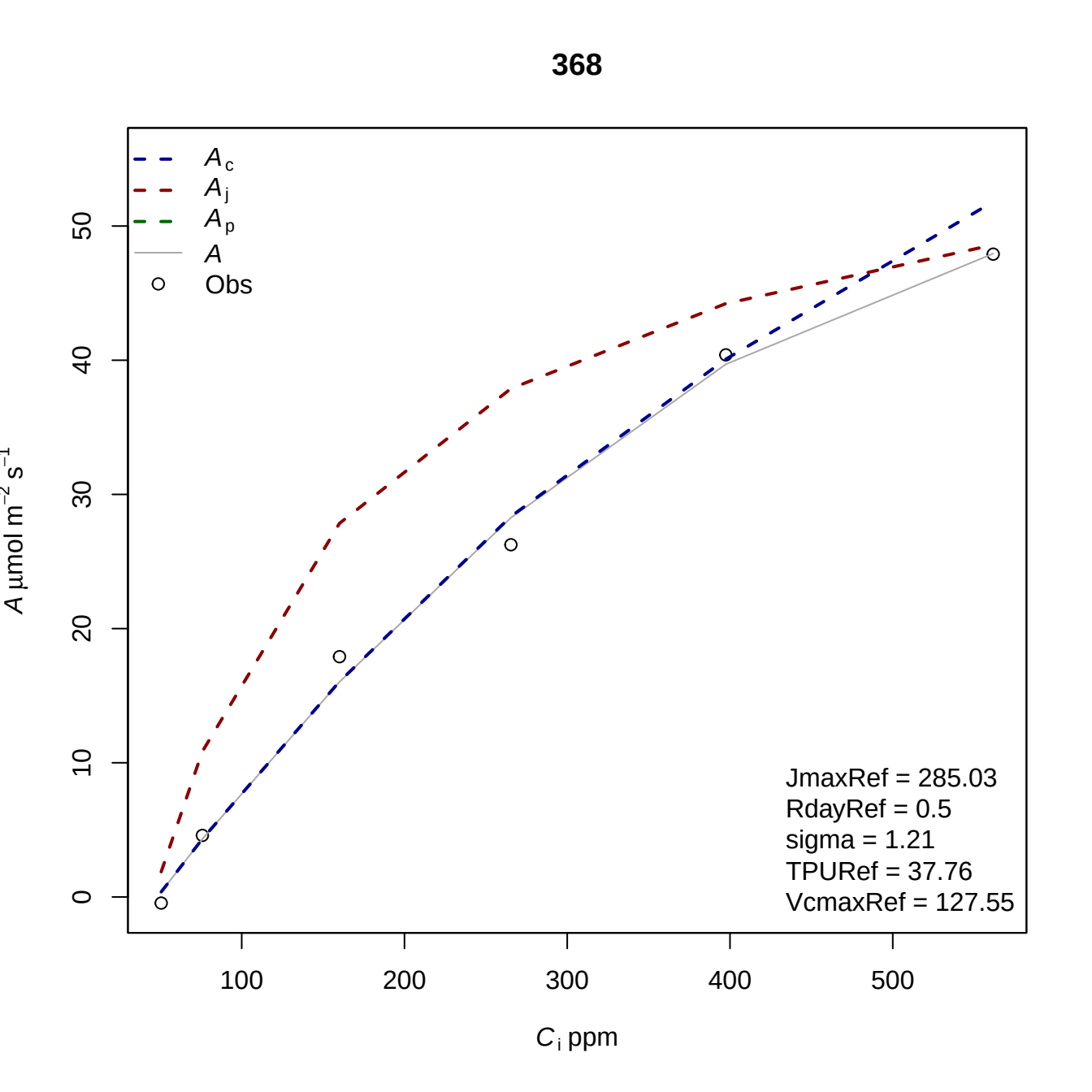

363
A_c
A_j
A_p
A
Obs
JmaxRef = 289.41
RdayRef = 0.71
sigma = 1.23
TPURef = 16.97
VcmaxRef = 131.26
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

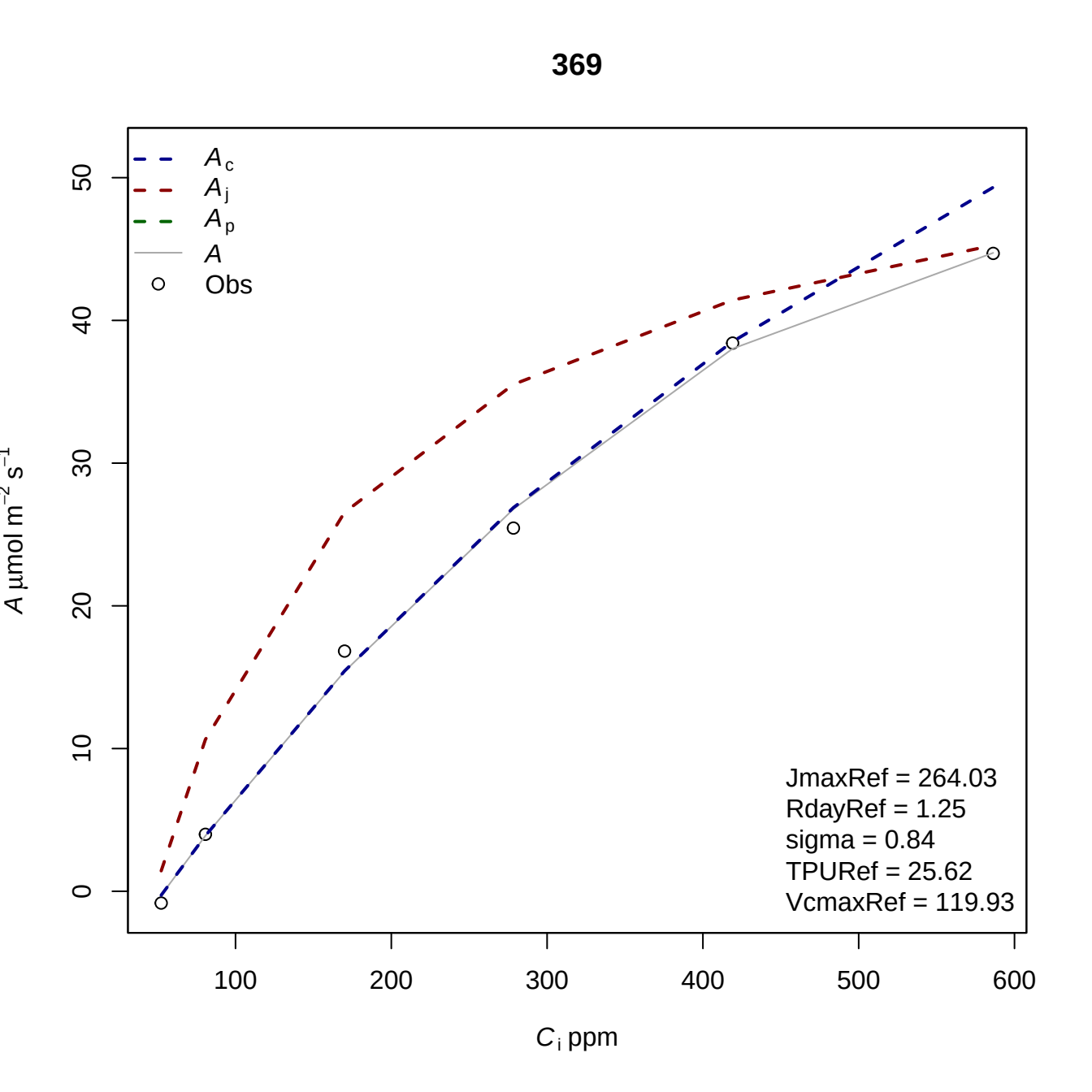

364
A_c
A_j
A_p
A
Obs
JmaxRef = 243.85
RdayRef = 0.82
sigma = 0.58
TPURef = 16.6
VcmaxRef = 114.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

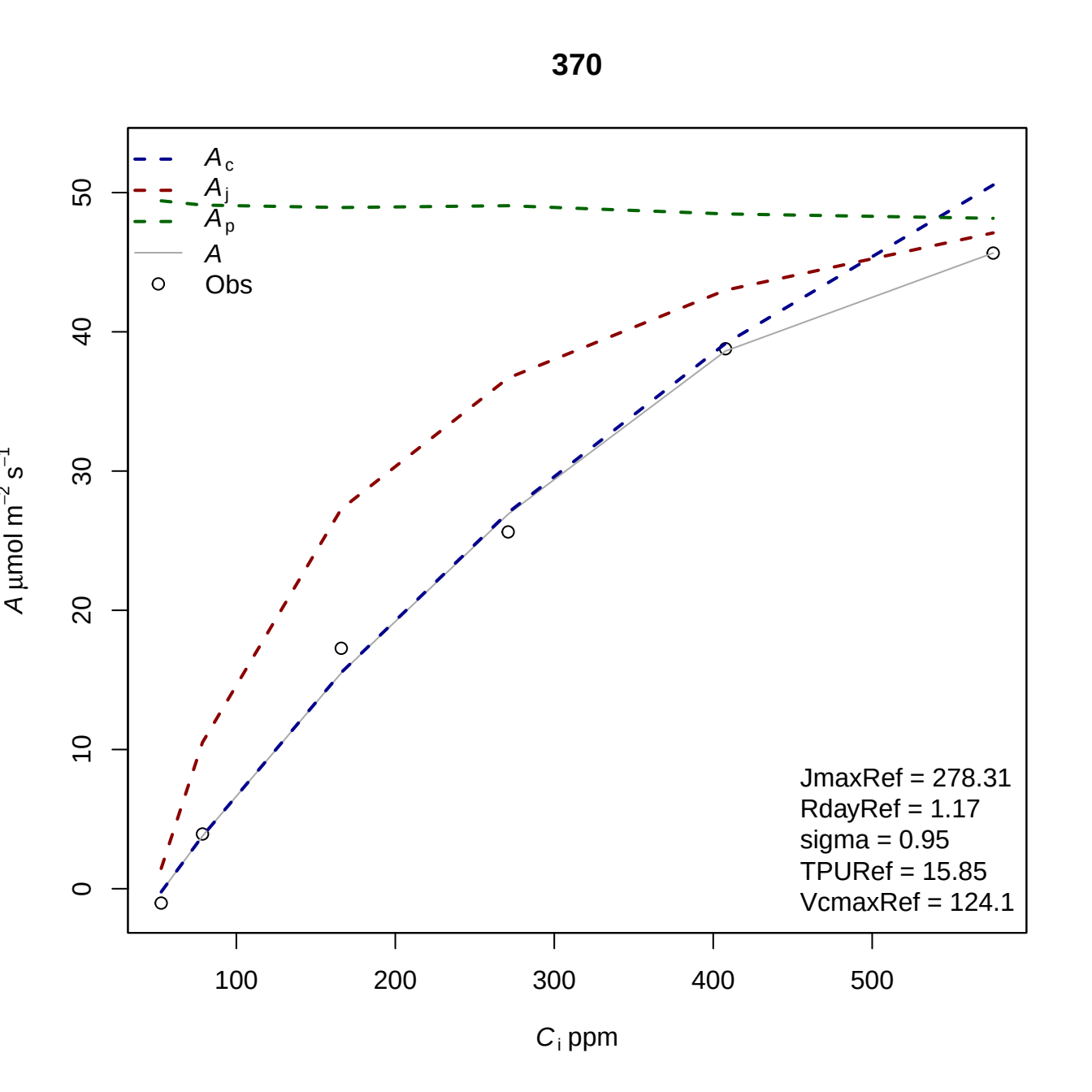

365
A_c
A_j
A_p
A
Obs
JmaxRef = 327.28
RdayRef = 0.74
sigma = 0.92
TPURef = 18.39
VcmaxRef = 143.23
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

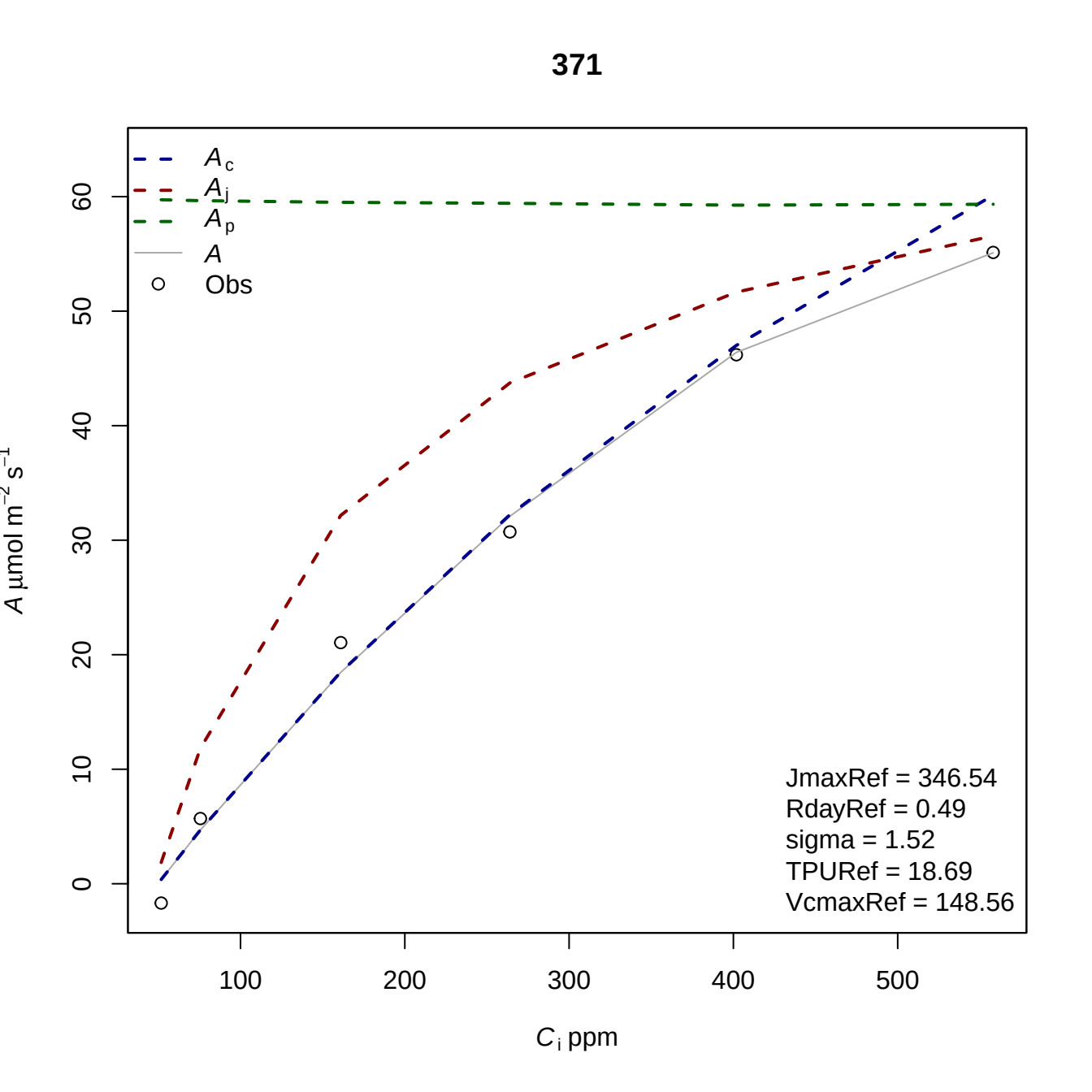

366
A_c
A_j
A_p
A
Obs
JmaxRef = 386.68
RdayRef = 1.27
sigma = 1.33
TPURef = 20.34
VcmaxRef = 173.18
0
10
20
30
40
50
60
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

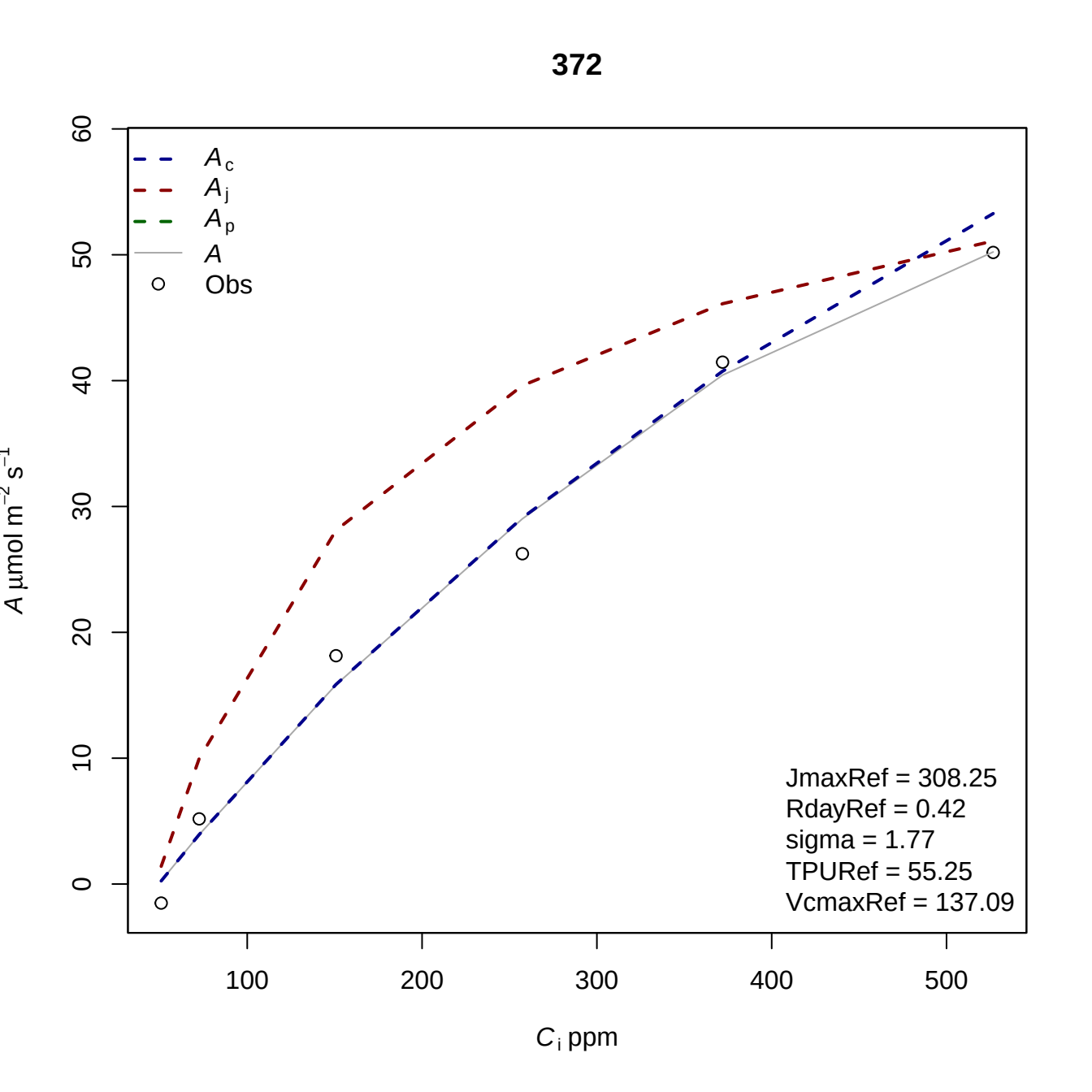

367
A_c
A_j
A_p
A
Obs
JmaxRef = 295.49
RdayRef = 1.65
sigma = 1.47
TPURef = 28278.64
VcmaxRef = 134.49
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

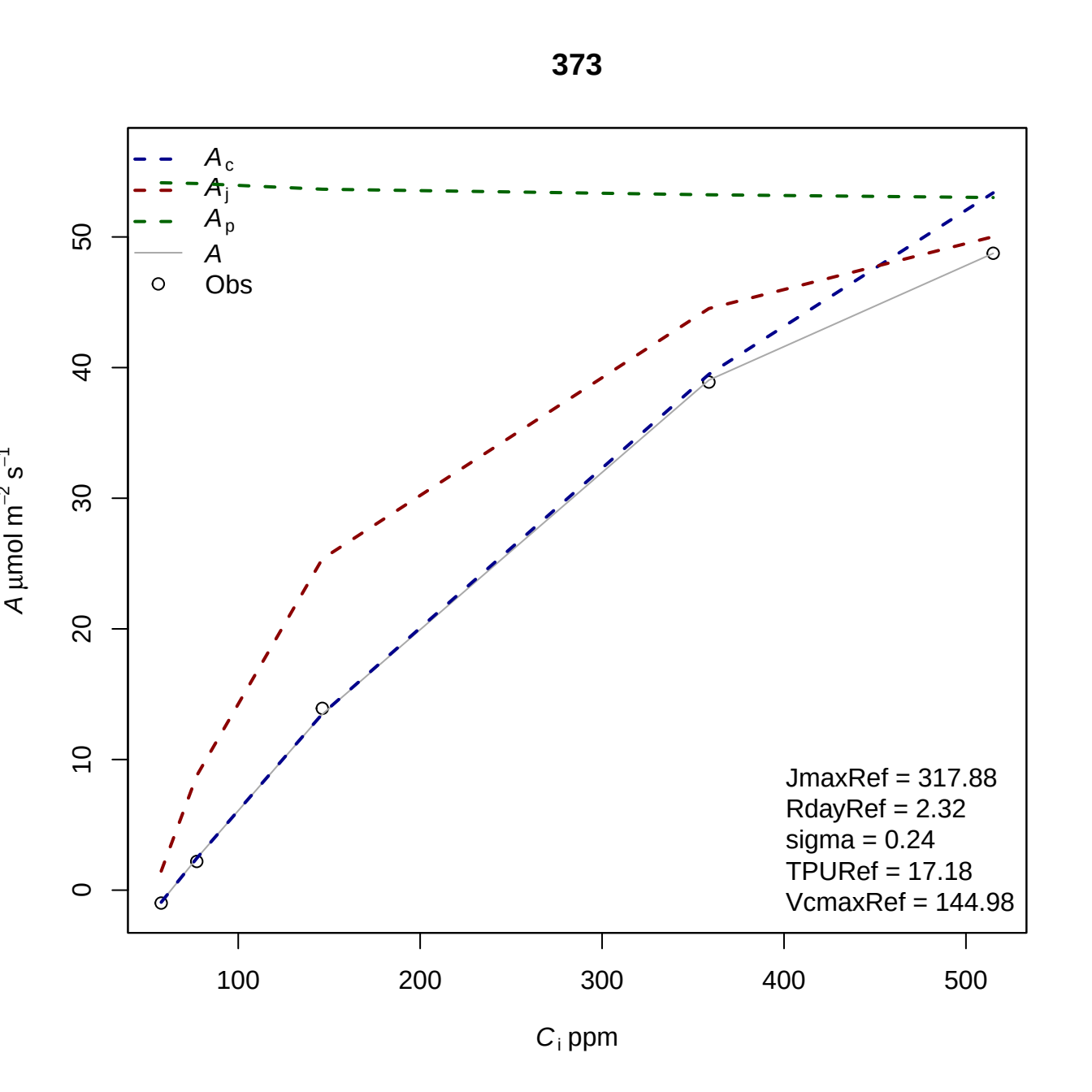

368
A_c
A_j
A_p
A
Obs
JmaxRef = 285.03
RdayRef = 0.5
sigma = 1.21
TPURef = 37.76
VcmaxRef = 127.55
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

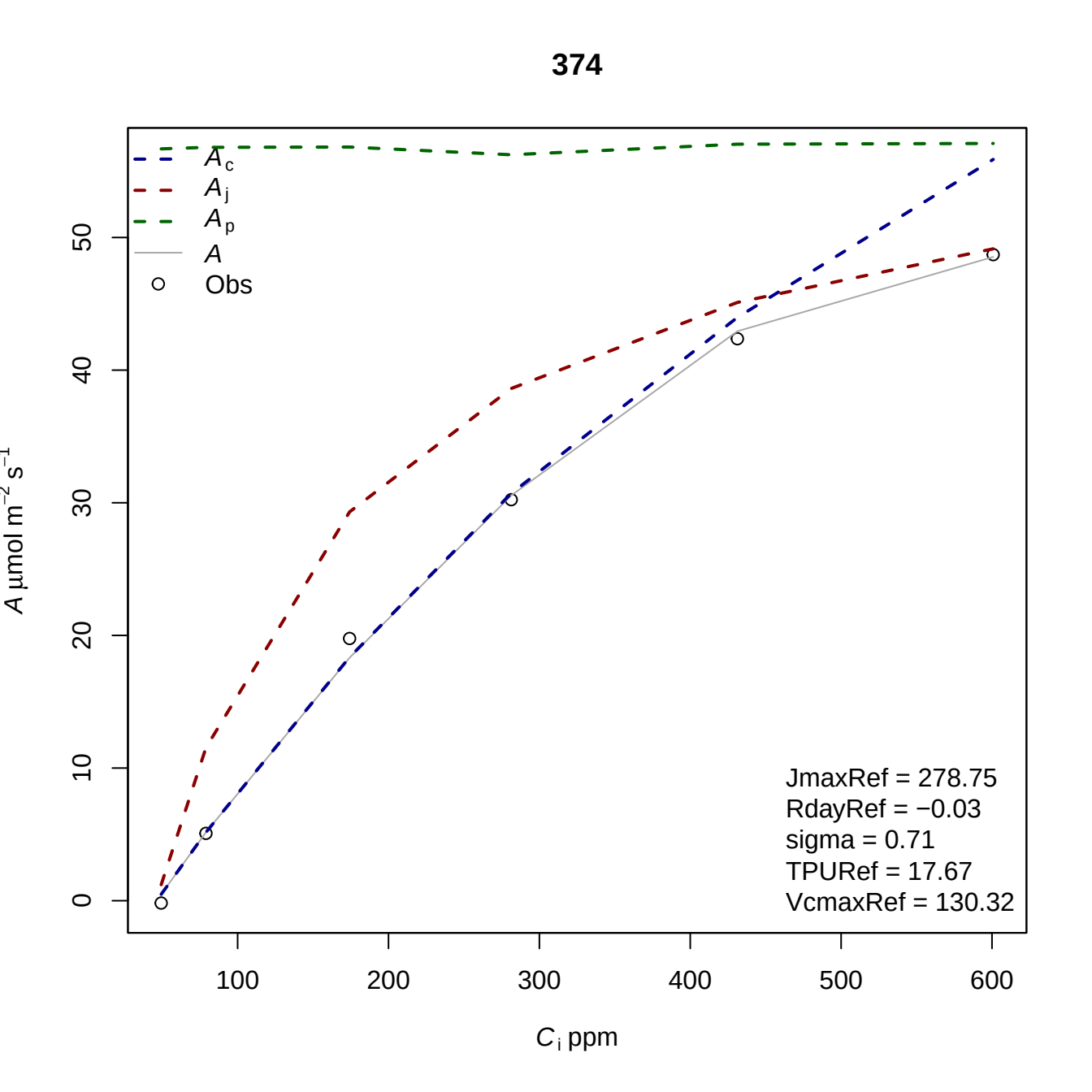

369
A_c
A_j
A_p
A
Obs
JmaxRef = 264.03
RdayRef = 1.25
sigma = 0.84
TPURef = 25.62
VcmaxRef = 119.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

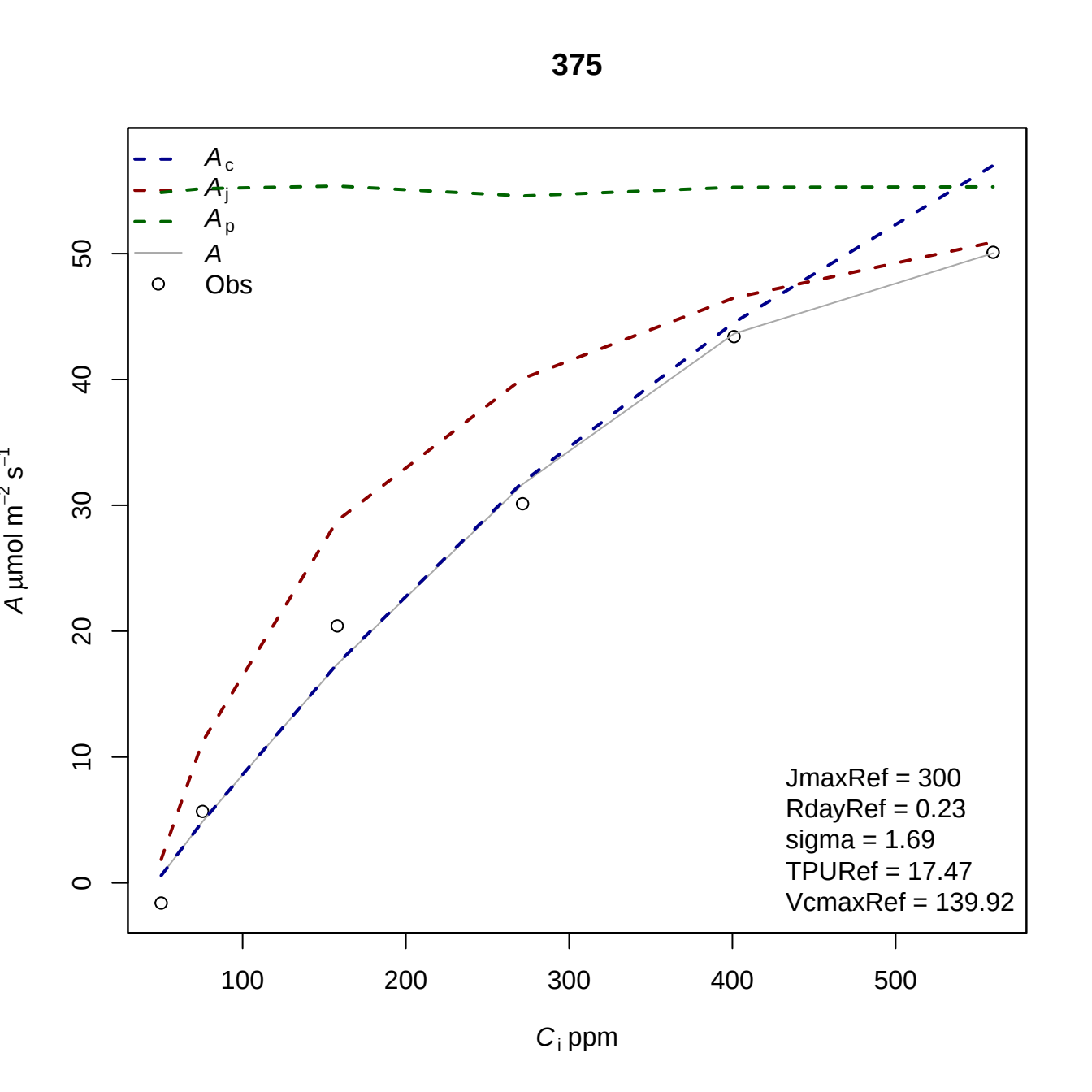

370
A_c
A_j
A_p
A
Obs
JmaxRef = 278.31
RdayRef = 1.17
sigma = 0.95
TPURef = 15.85
VcmaxRef = 124.1
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

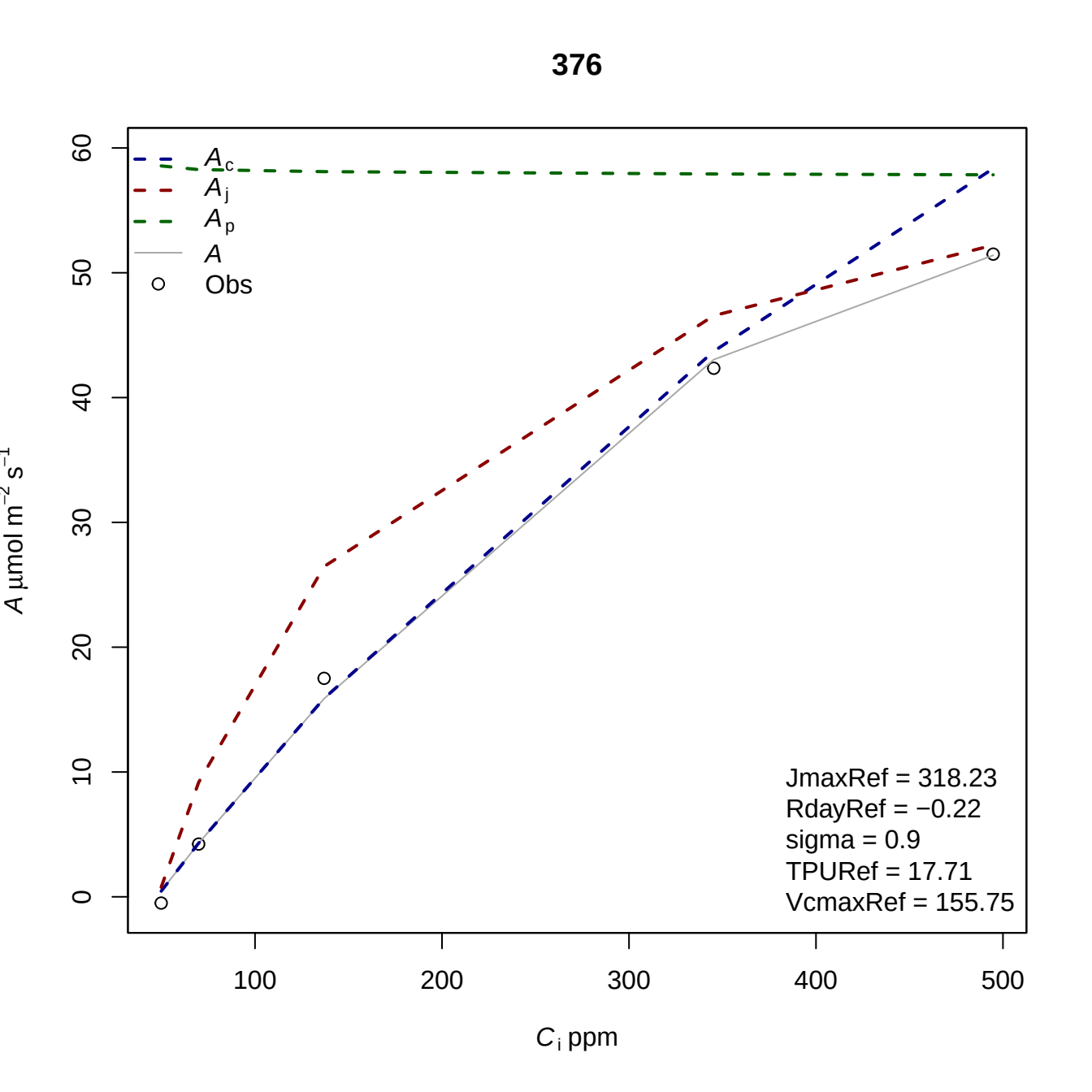

371
A_c
A_j
A_p
A
Obs
JmaxRef = 346.54
RdayRef = 0.49
sigma = 1.52
TPURef = 18.69
VcmaxRef = 148.56
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

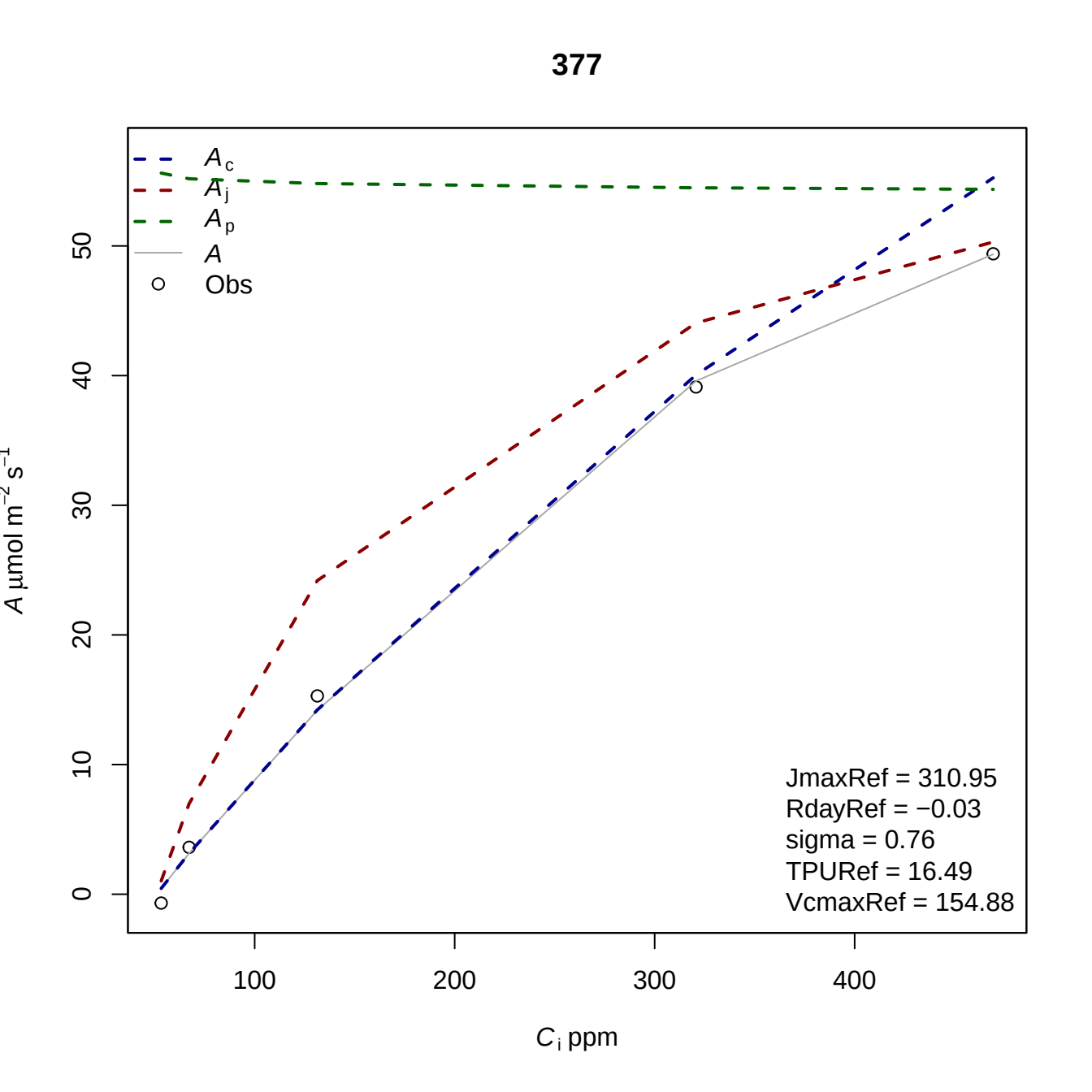

372
A_c
A_j
A_p
A
Obs
JmaxRef = 308.25
RdayRef = 0.42
sigma = 1.77
TPURef = 55.25
VcmaxRef = 137.09
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

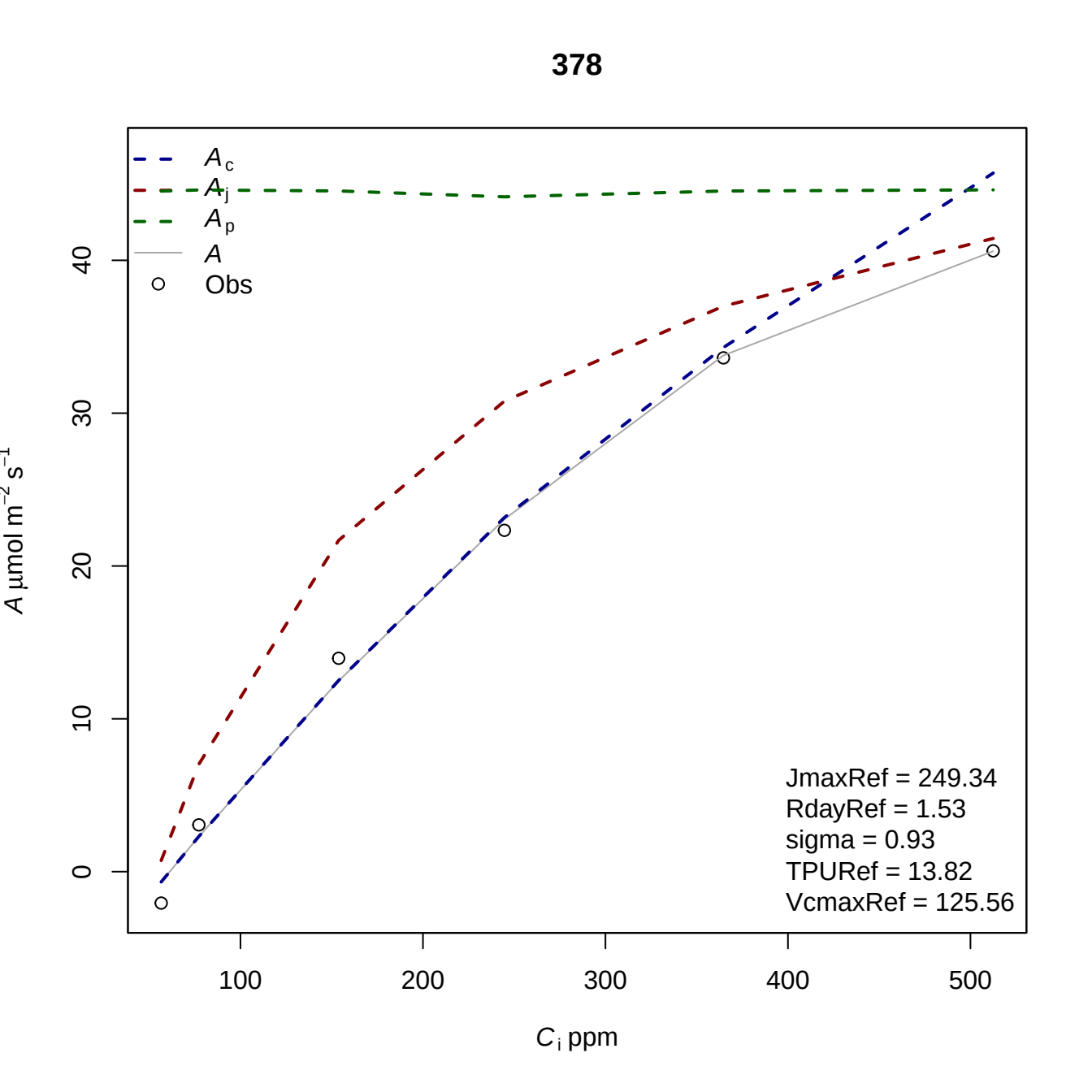

373
A_c
A_j
A_p
A
Obs
JmaxRef = 317.88
RdayRef = 2.32
sigma = 0.24
TPURef = 17.18
VcmaxRef = 144.98
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

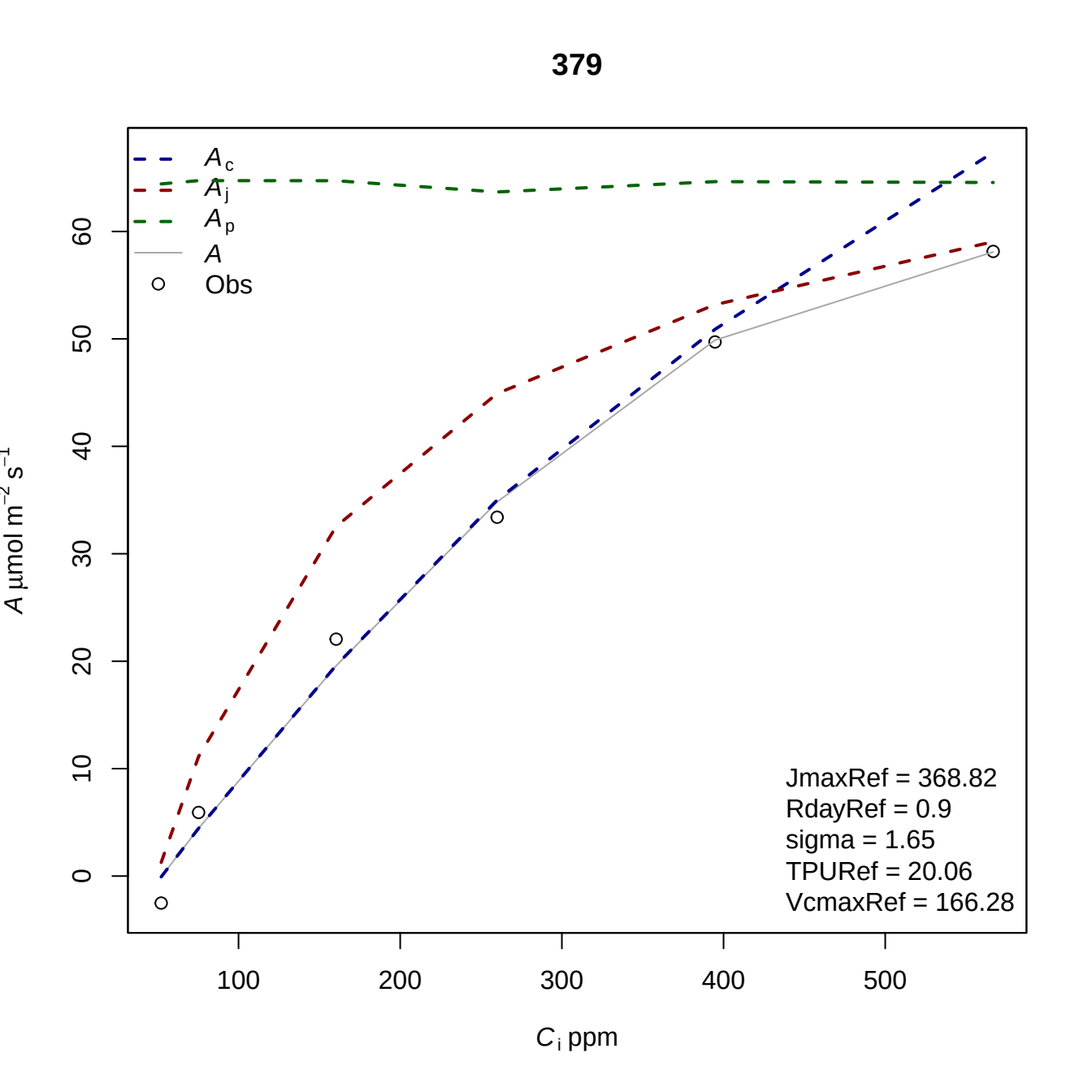

374
A_c
A_j
A_p
A
Obs
JmaxRef = 278.75
RdayRef = −0.03
sigma = 0.71
TPURef = 17.67
VcmaxRef = 130.32
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

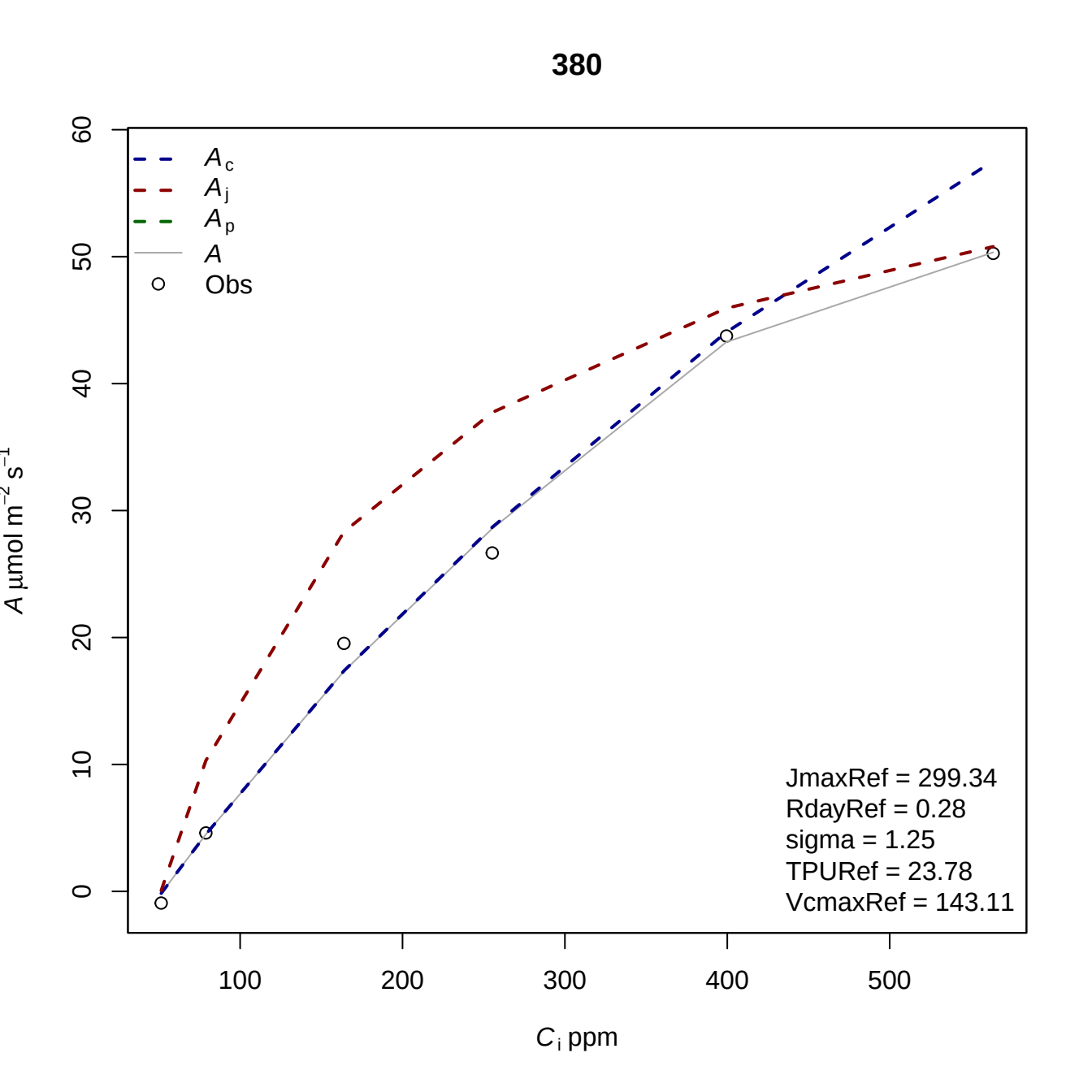

375
A_c
A_j
A_p
A
Obs
JmaxRef = 300
RdayRef = 0.23
sigma = 1.69
TPURef = 17.47
VcmaxRef = 139.92
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

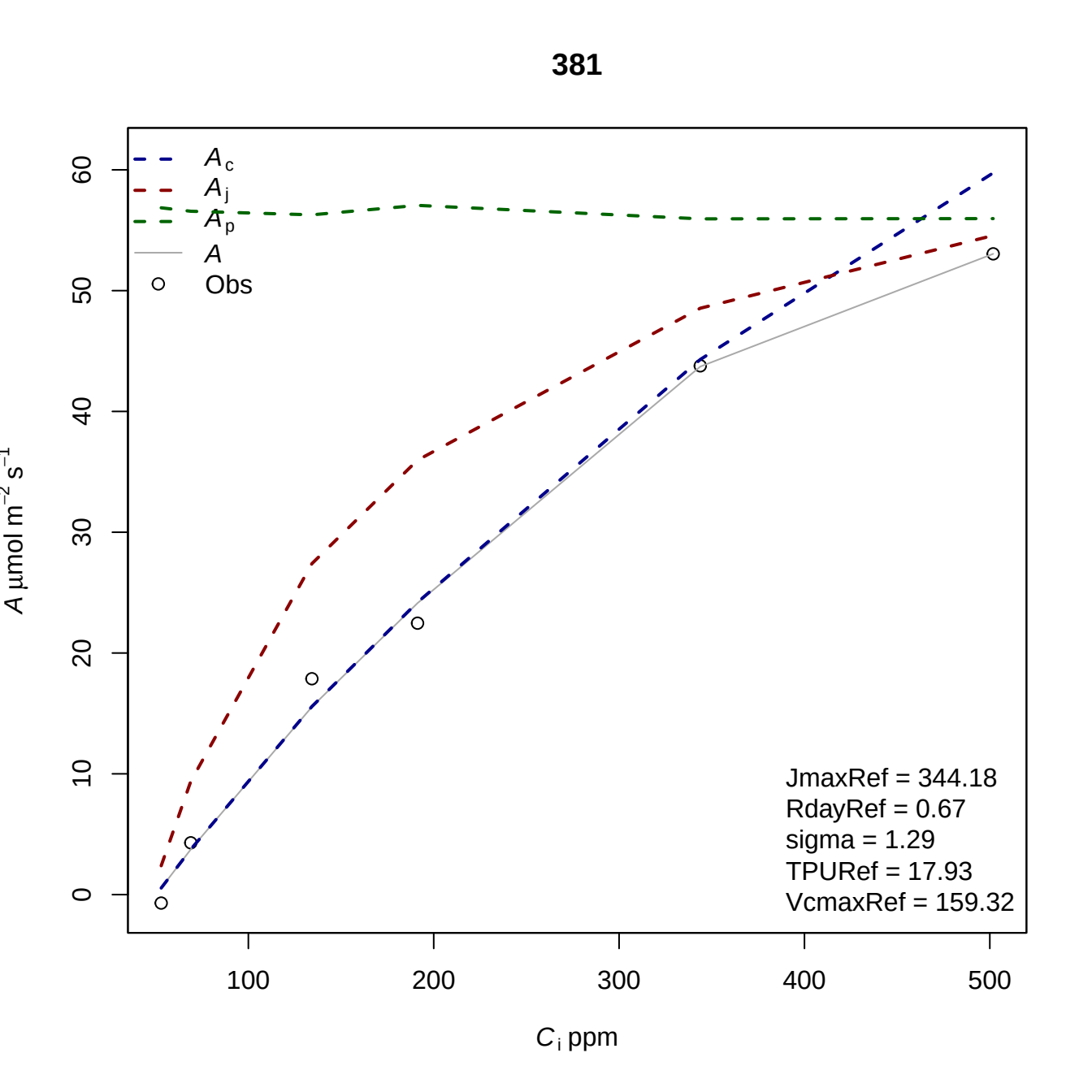

376
A_c
A_j
A_p
A
Obs
JmaxRef = 318.23
RdayRef = −0.22
sigma = 0.9
TPURef = 17.71
VcmaxRef = 155.75
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

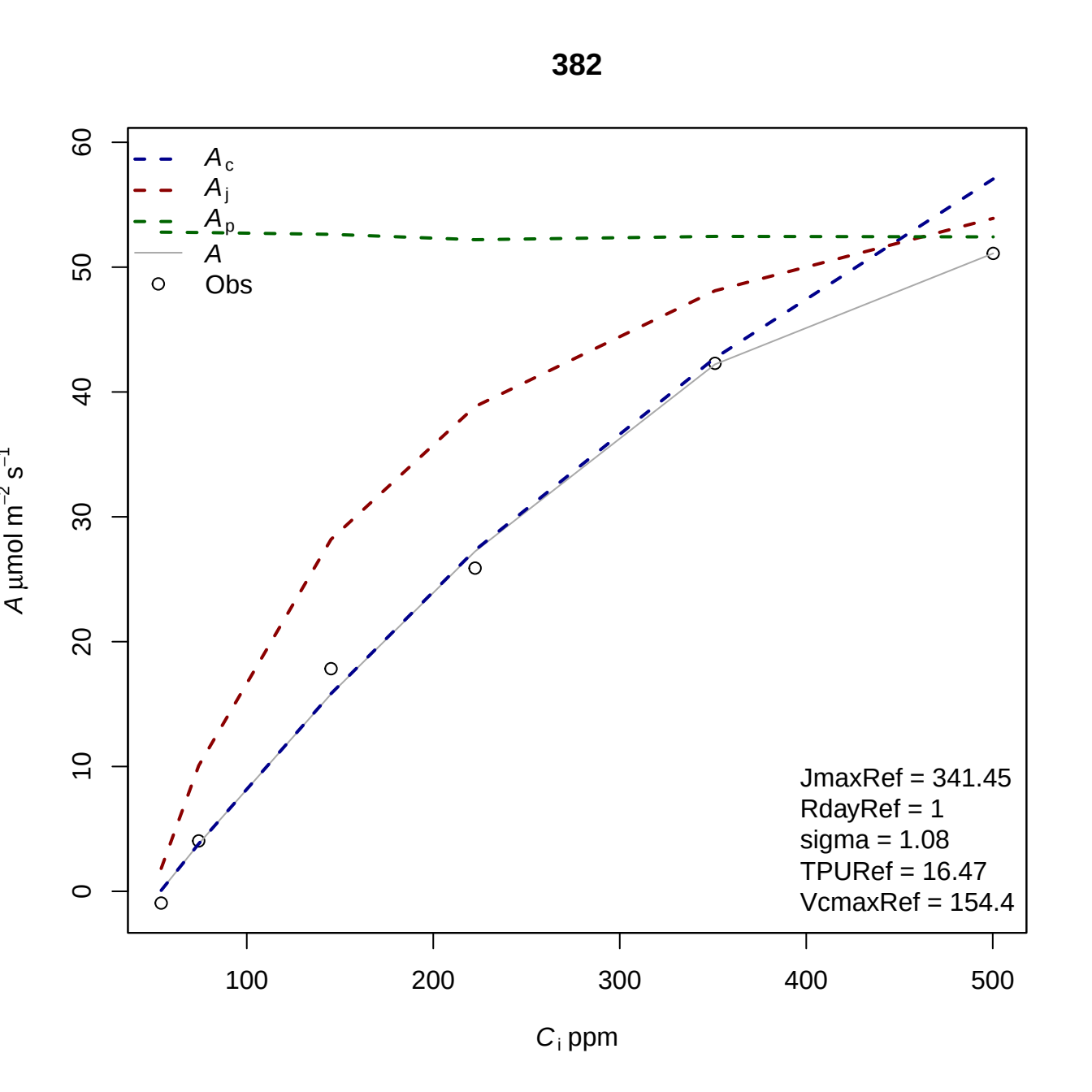

377
A_c
A_j
A_p
A
Obs
JmaxRef = 310.95
RdayRef = −0.03
sigma = 0.76
TPURef = 16.49
VcmaxRef = 154.88
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

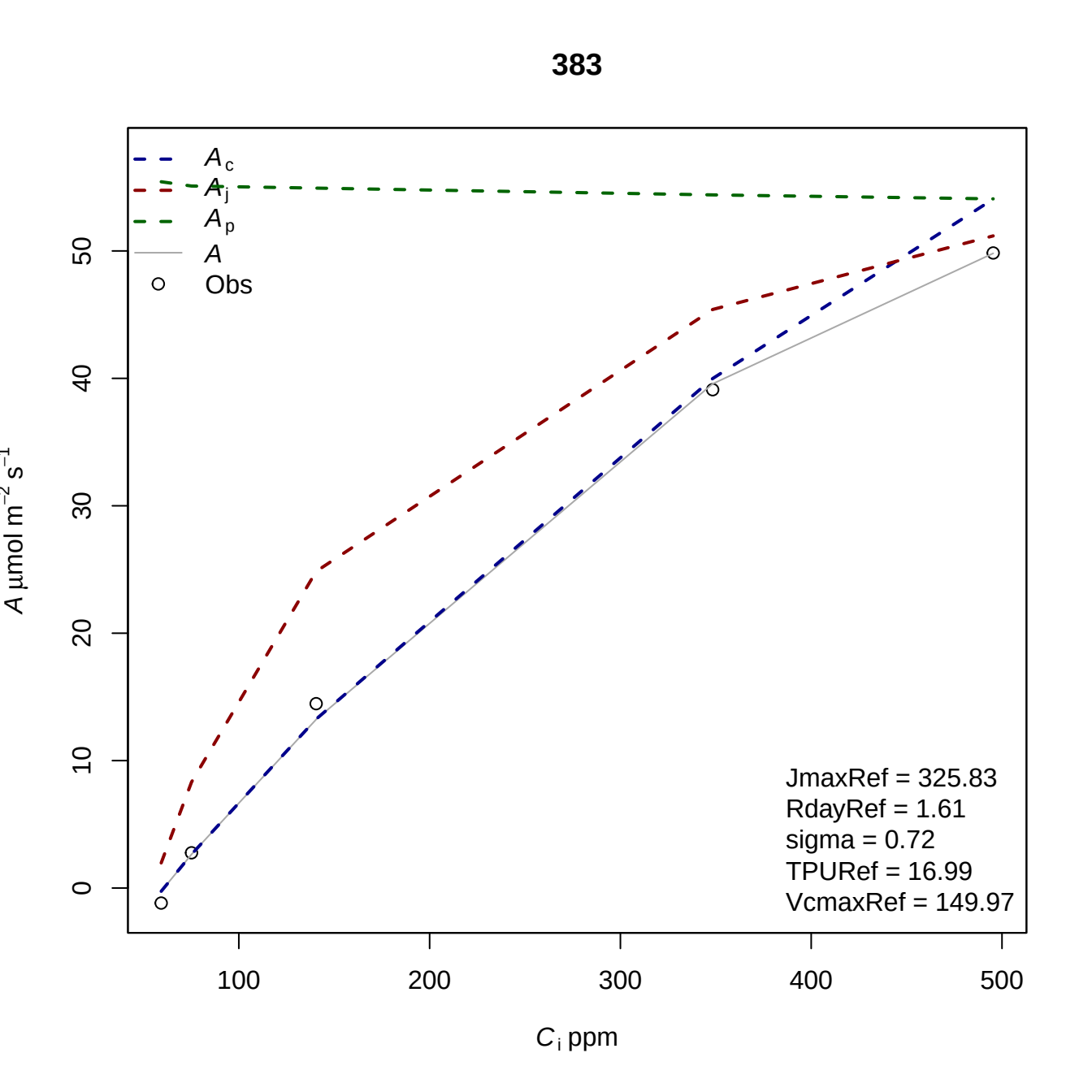

378
A_c
A_j
A_p
A
Obs
JmaxRef = 249.34
RdayRef = 1.53
sigma = 0.93
TPURef = 13.82
VcmaxRef = 125.56
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500

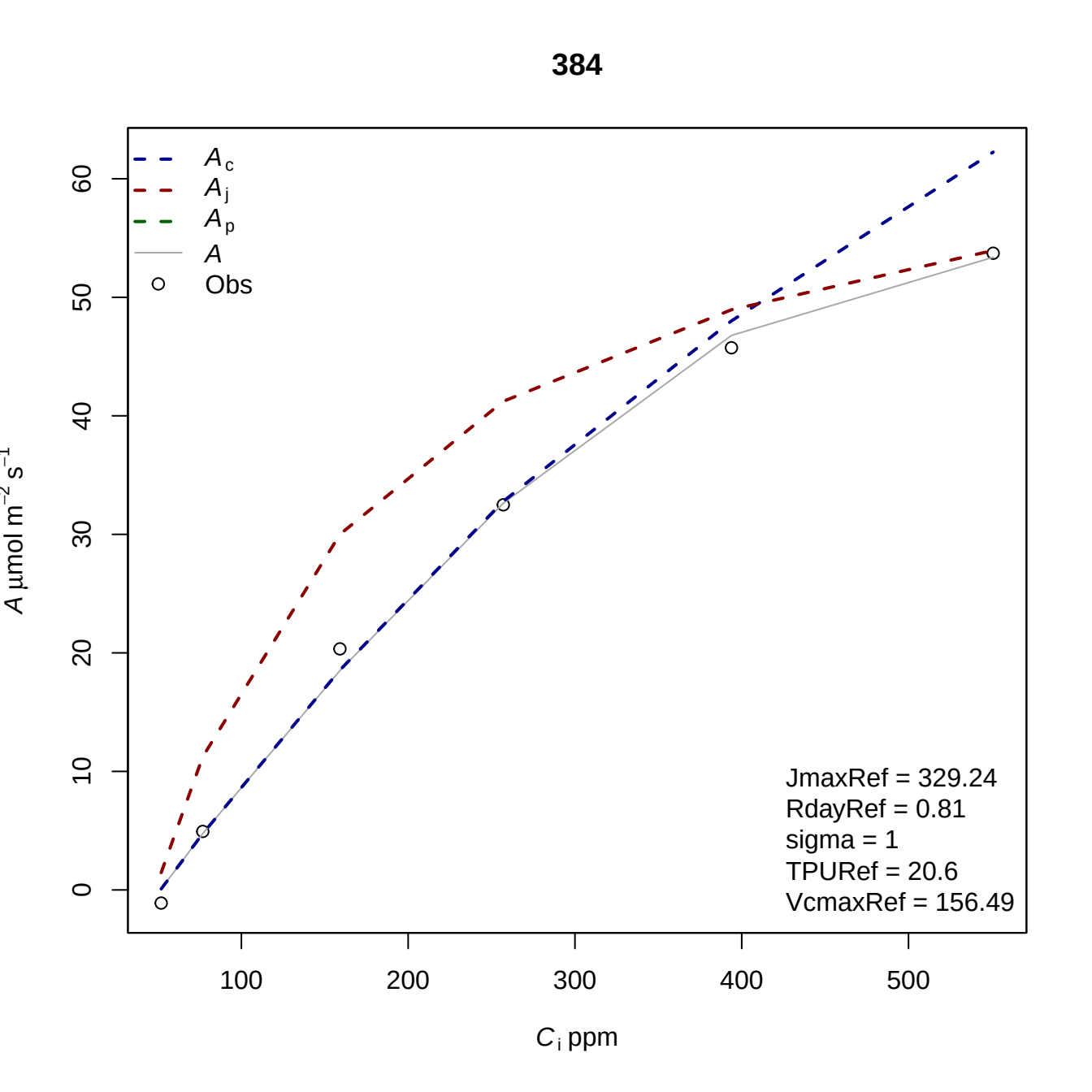

379
A_c
A_j
A_p
A
Obs
JmaxRef = 368.82
RdayRef = 0.9
sigma = 1.65
TPURef = 20.06
VcmaxRef = 166.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

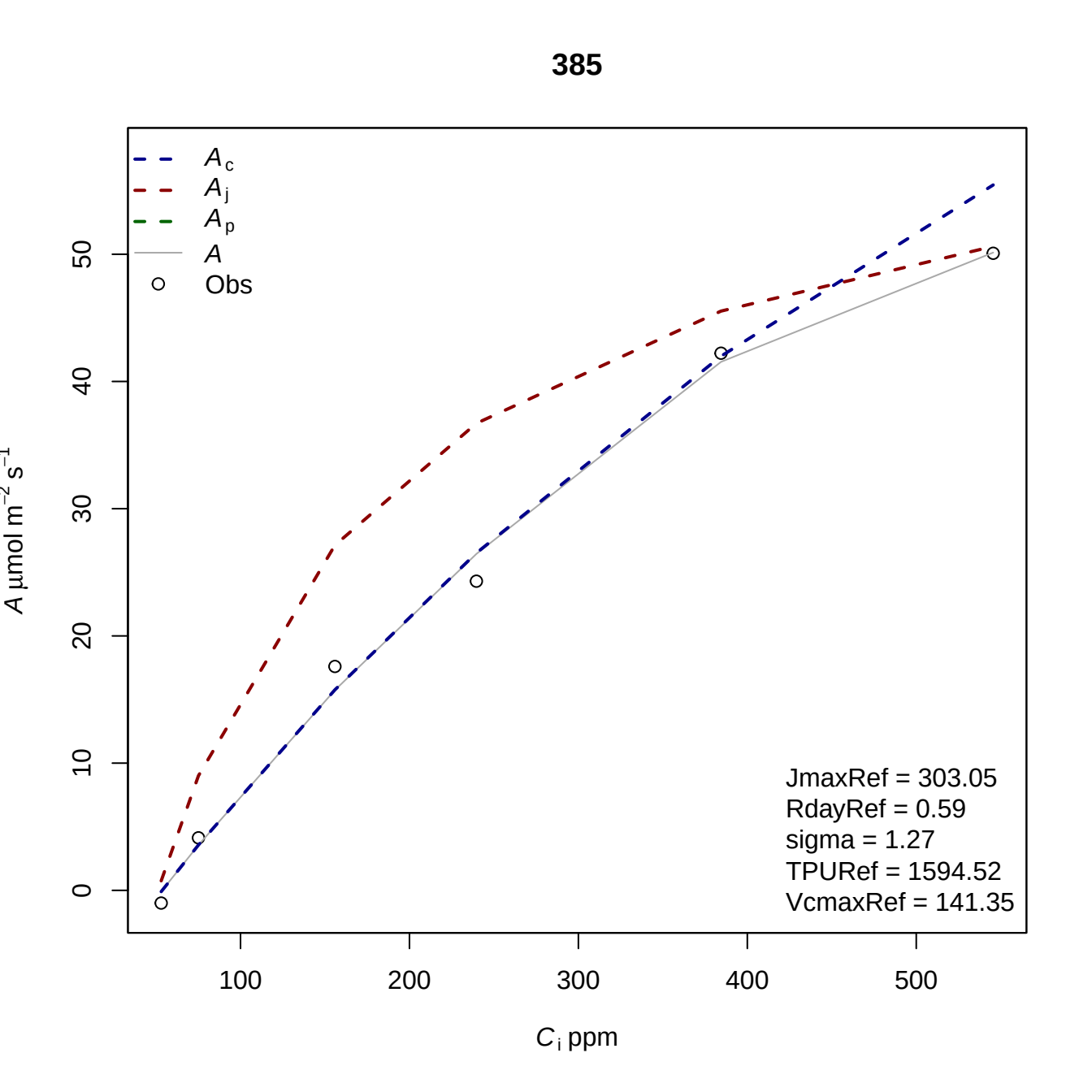

380
A_c
A_j
A_p
A
Obs
JmaxRef = 299.34
RdayRef = 0.28
sigma = 1.25
TPURef = 23.78
VcmaxRef = 143.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

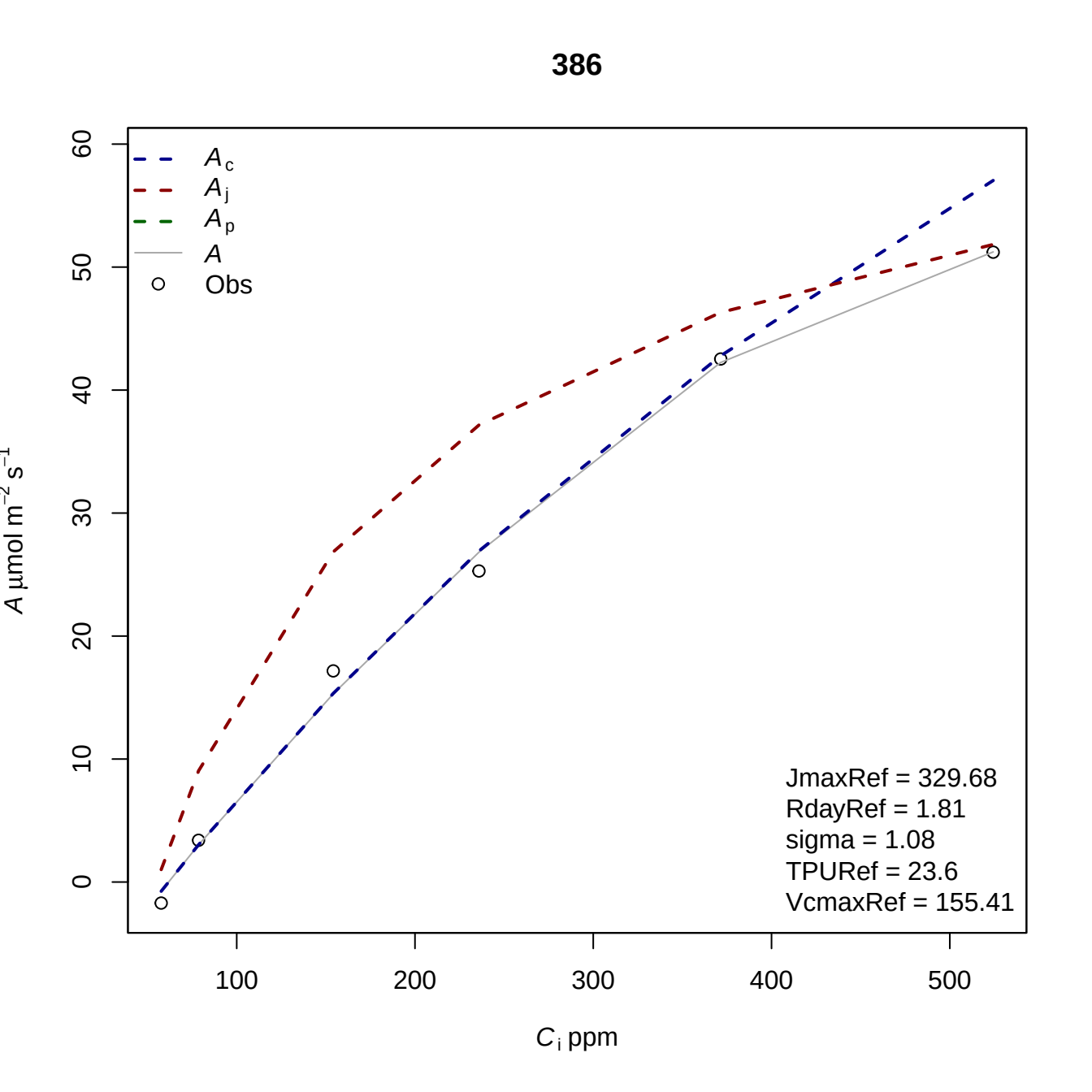

381
A_c
A_j
A_p
A
Obs
JmaxRef = 344.18
RdayRef = 0.67
sigma = 1.29
TPURef = 17.93
VcmaxRef = 159.32
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

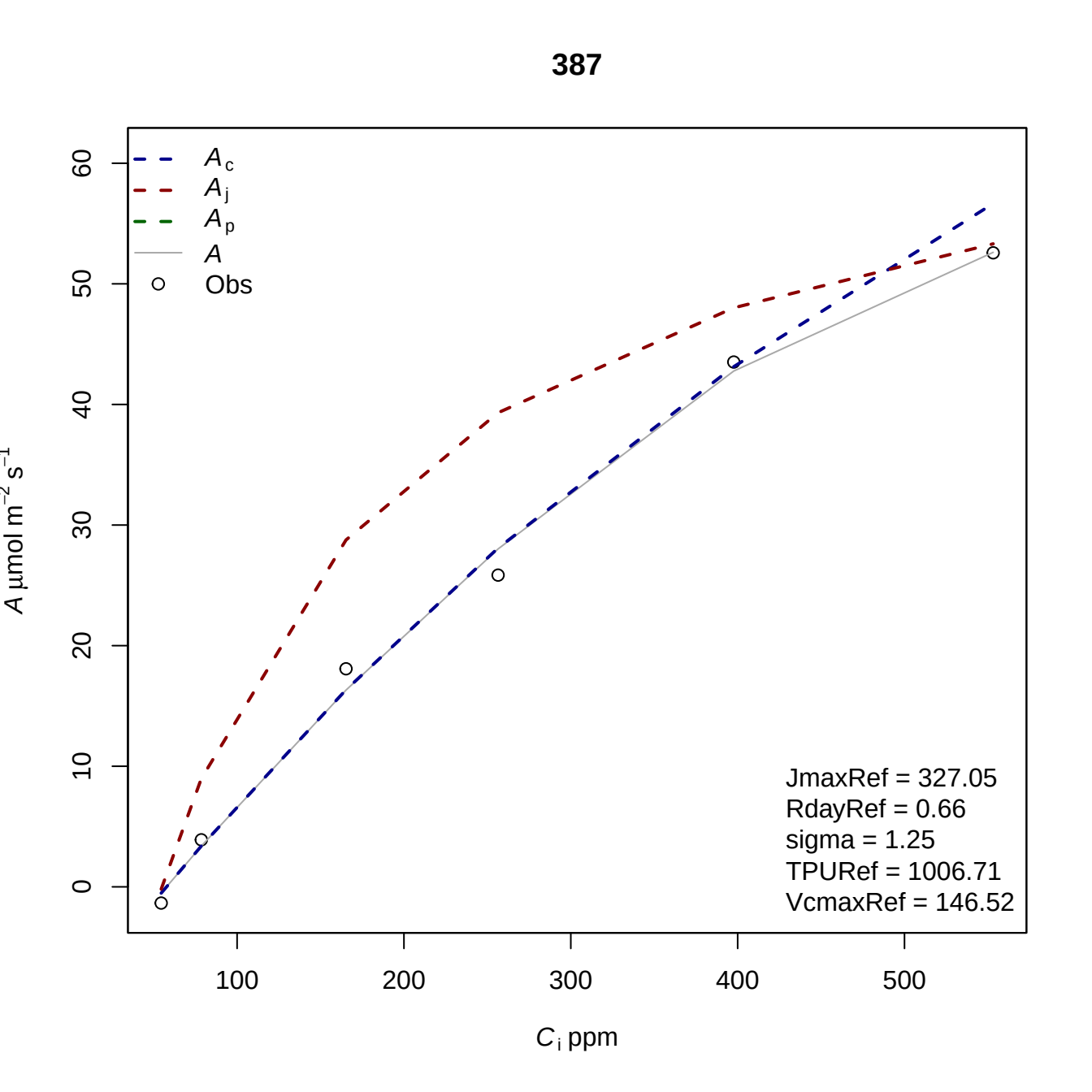

382
A_c
A_j
A_p
A
Obs
JmaxRef = 341.45
RdayRef = 1
sigma = 1.08
TPURef = 16.47
VcmaxRef = 154.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

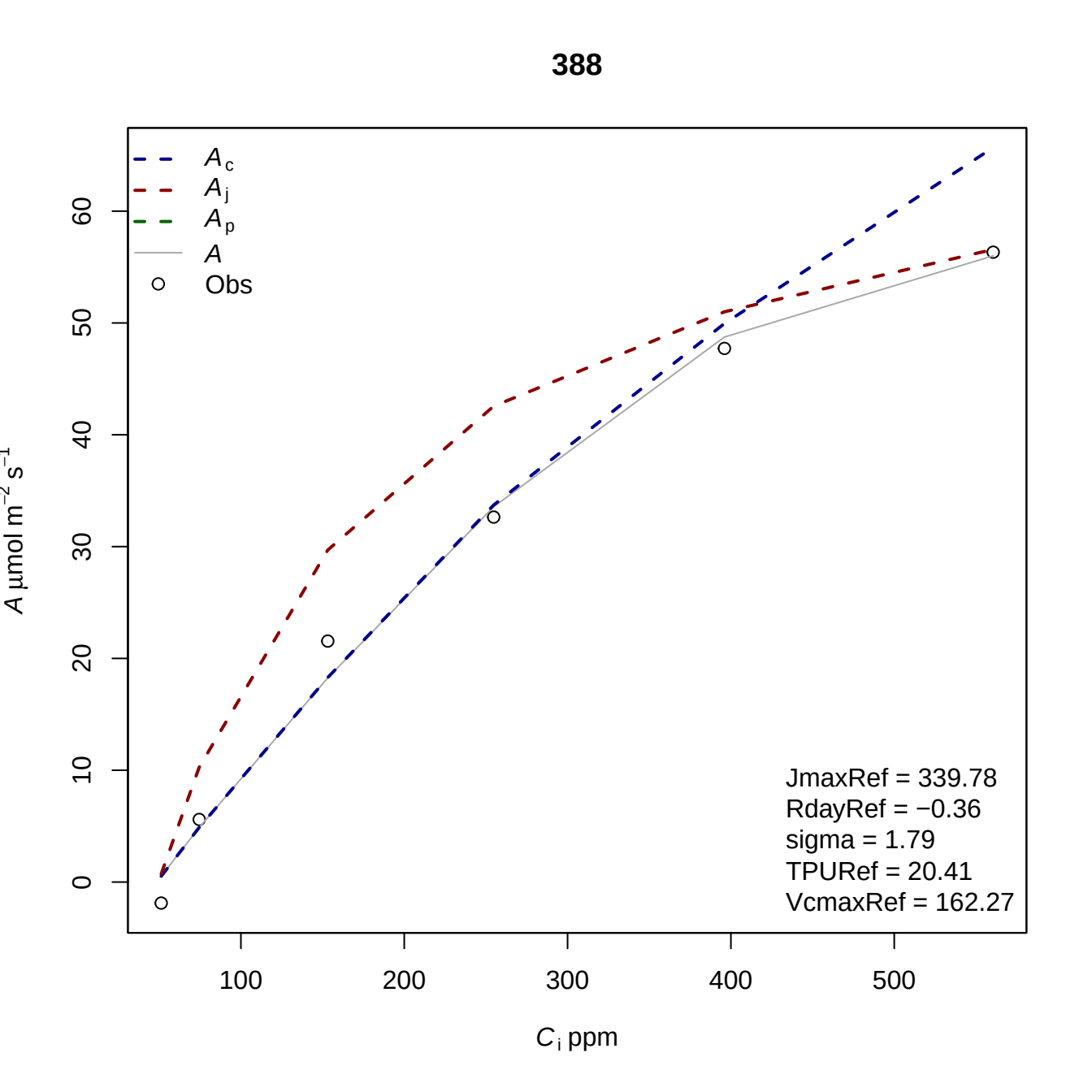

383
A_c
A_j
A_p
A
Obs
JmaxRef = 325.83
RdayRef = 1.61
sigma = 0.72
TPURef = 16.99
VcmaxRef = 149.97
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

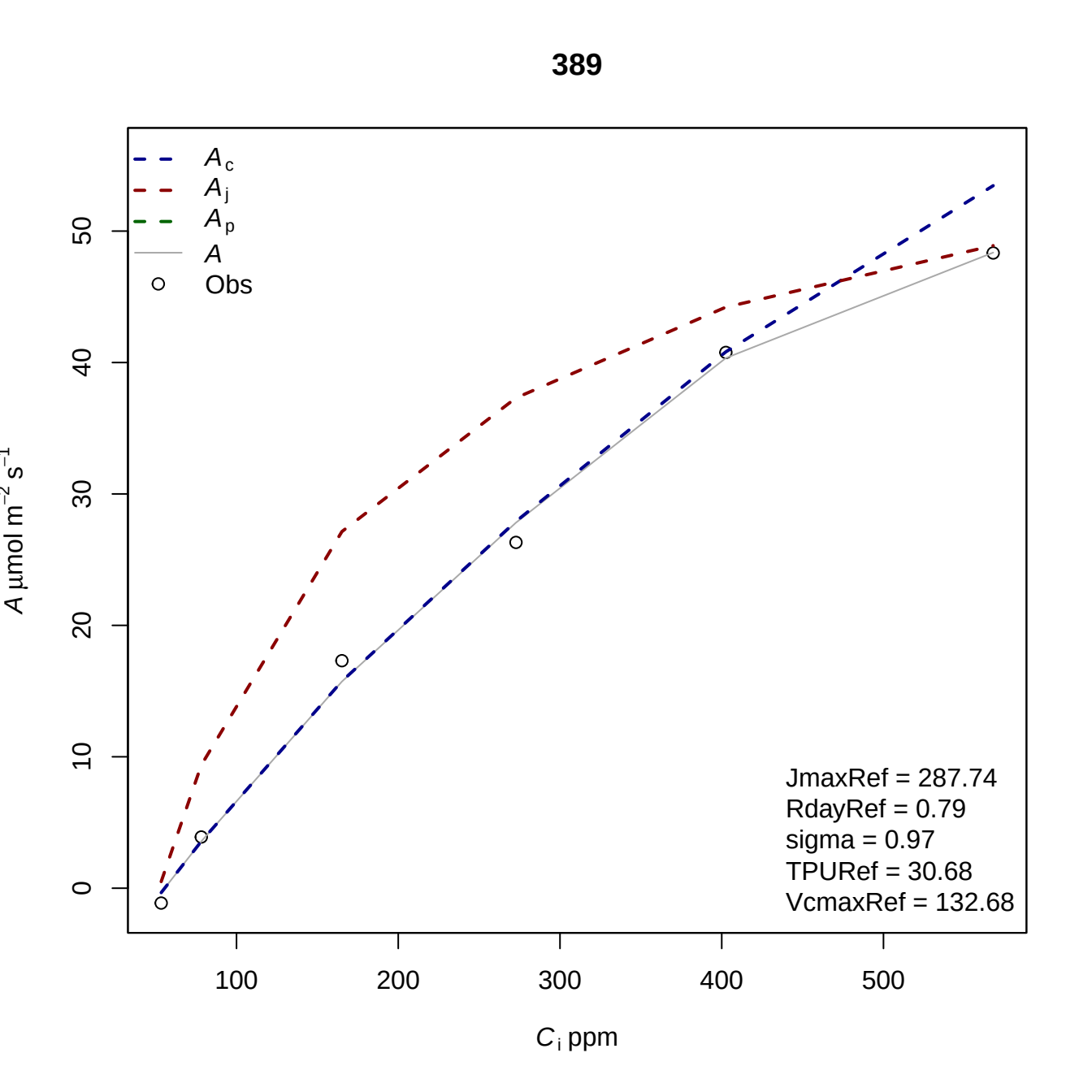

384
A_c
A_j
A_p
A
Obs
JmaxRef = 329.24
RdayRef = 0.81
sigma = 1
TPURef = 20.6
VcmaxRef = 156.49
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

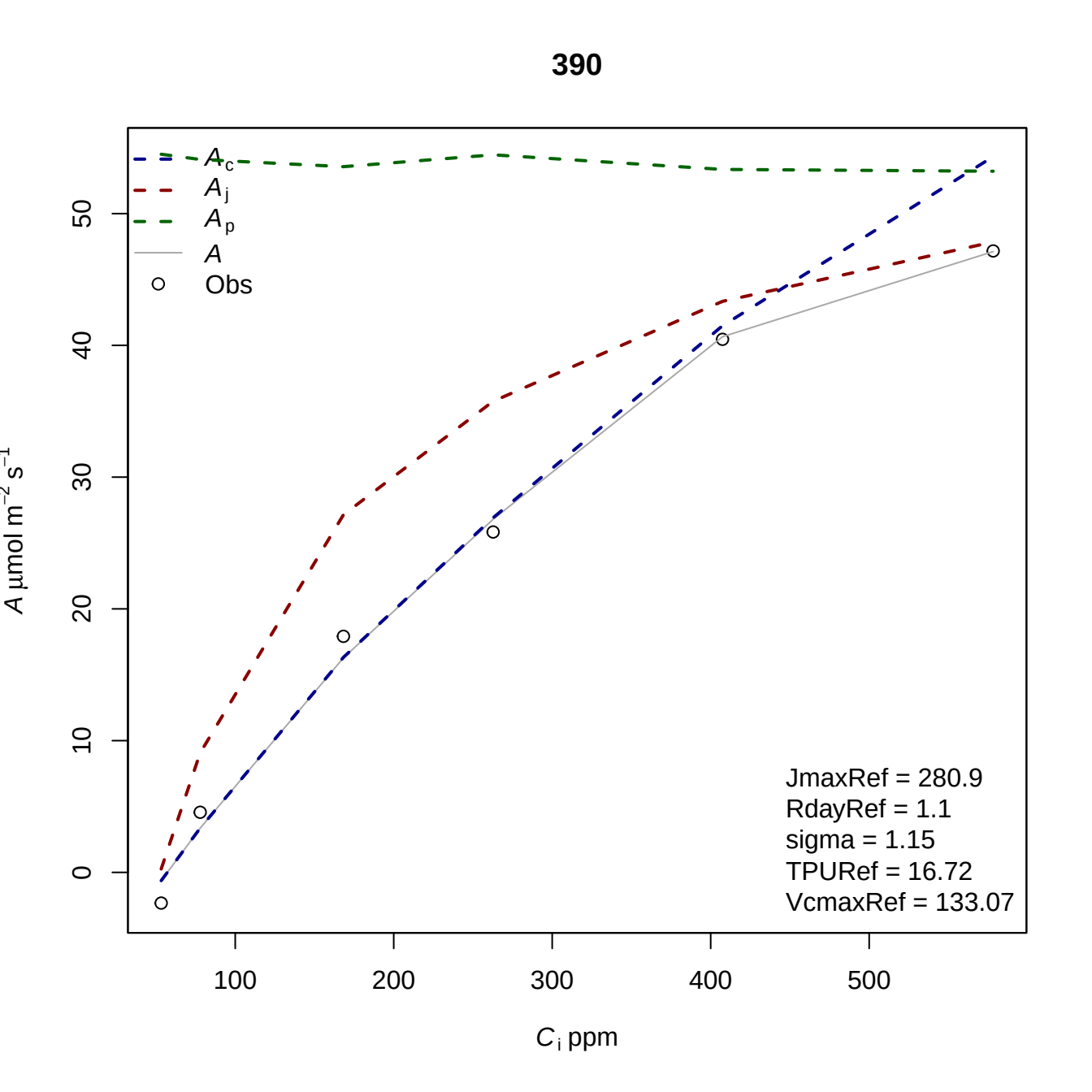

385
A_c
A_j
A_p
A
Obs
JmaxRef = 303.05
RdayRef = 0.59
sigma = 1.27
TPURef = 1594.52
VcmaxRef = 141.35
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

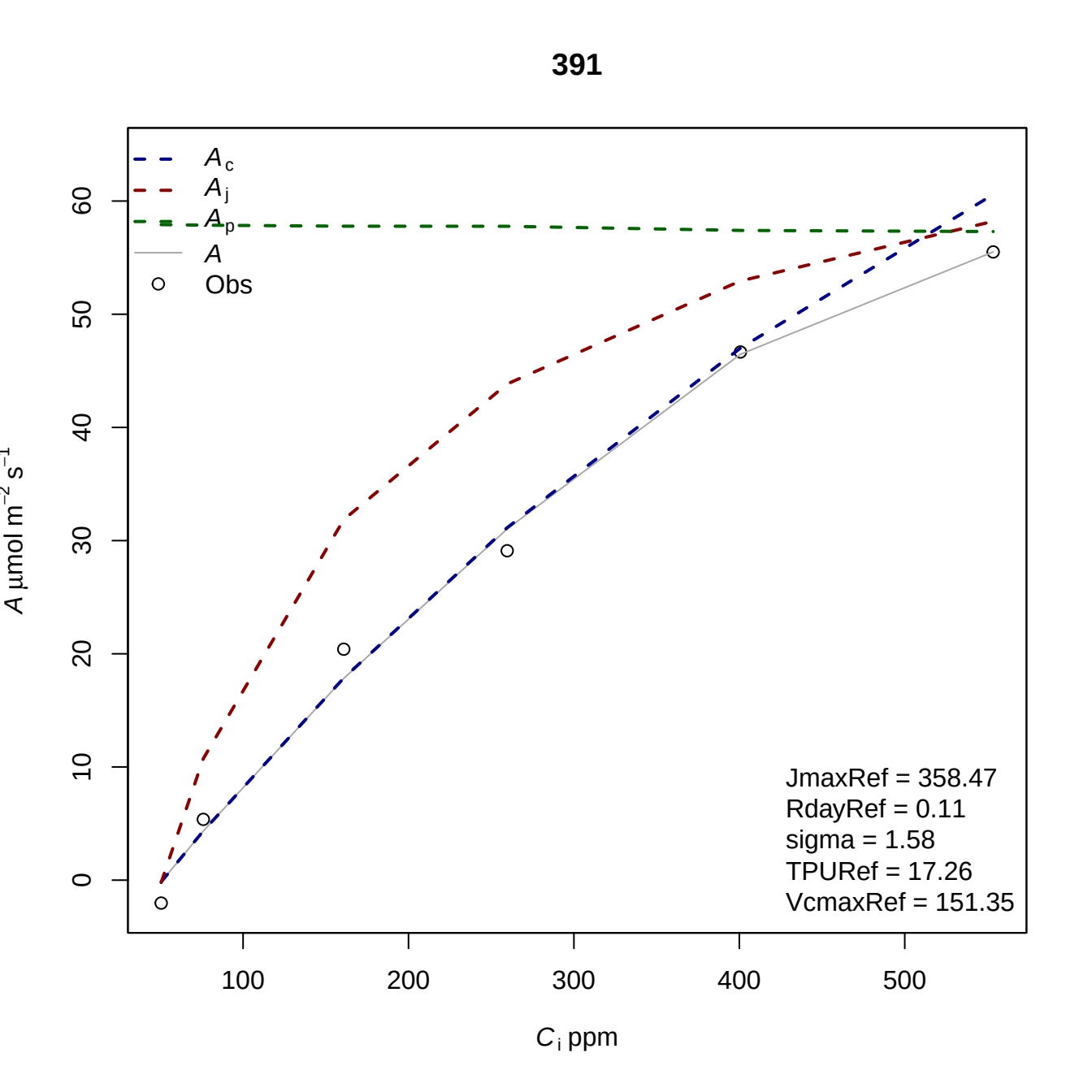

386
A_c
A_j
A_p
A
Obs
JmaxRef = 329.68
RdayRef = 1.81
sigma = 1.08
TPURef = 23.6
VcmaxRef = 155.41
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

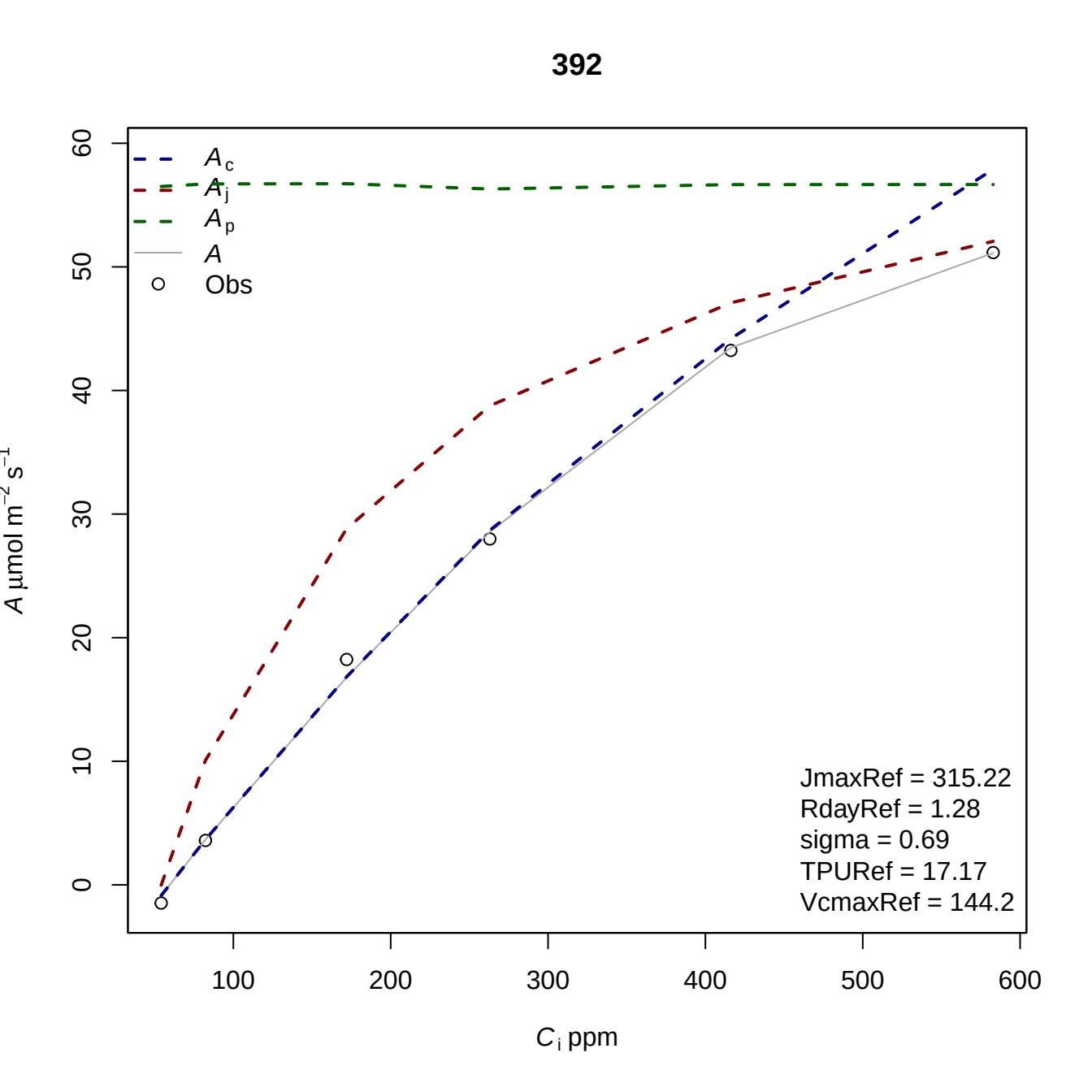

387
A_c
A_j
A_p
A
Obs
JmaxRef = 327.05
RdayRef = 0.66
sigma = 1.25
TPURef = 1006.71
VcmaxRef = 146.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

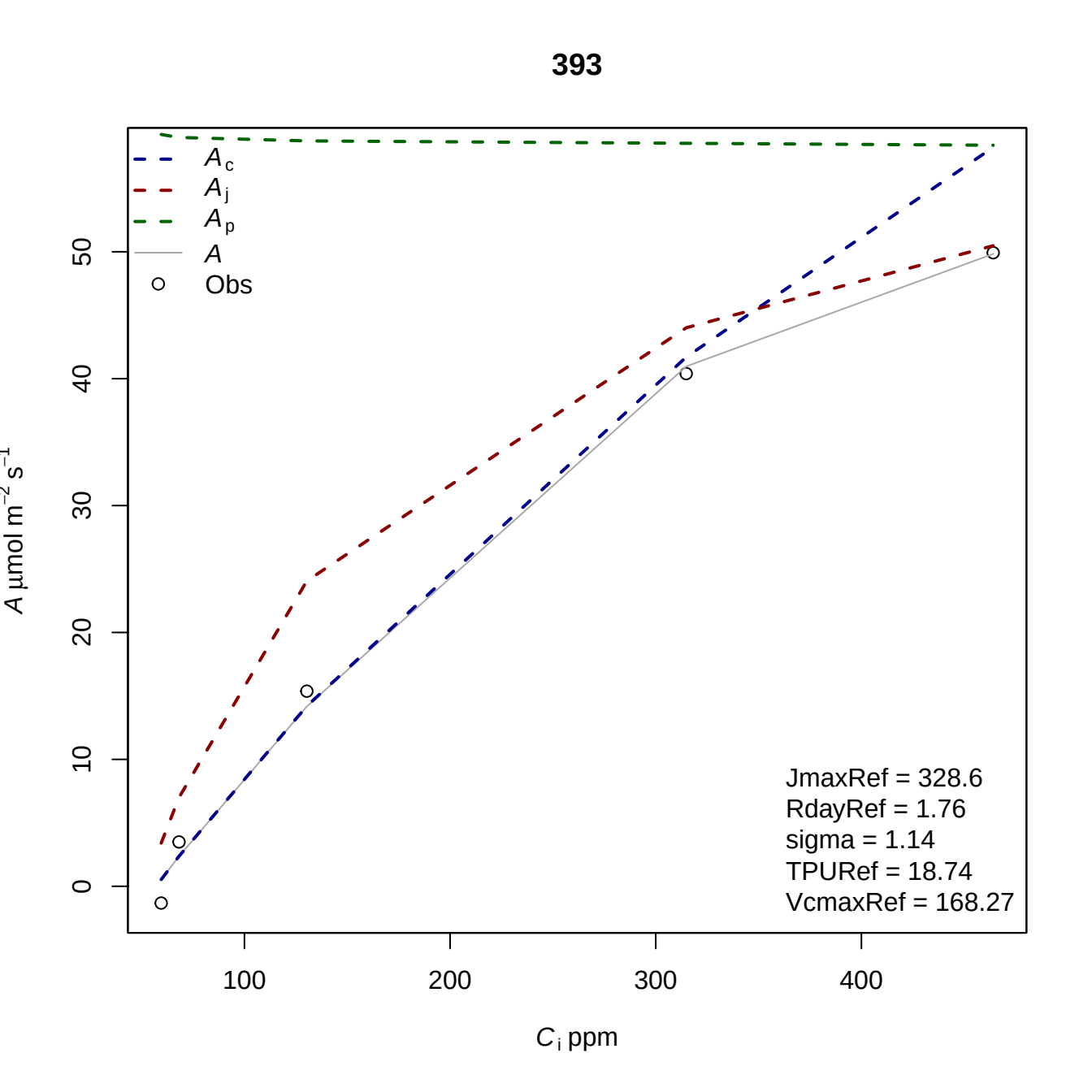

388
A_c
A_j
A_p
A
Obs
JmaxRef = 339.78
RdayRef = −0.36
sigma = 1.79
TPURef = 20.41
VcmaxRef = 162.27
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
60
100
200
300
400
500
C_i ppm

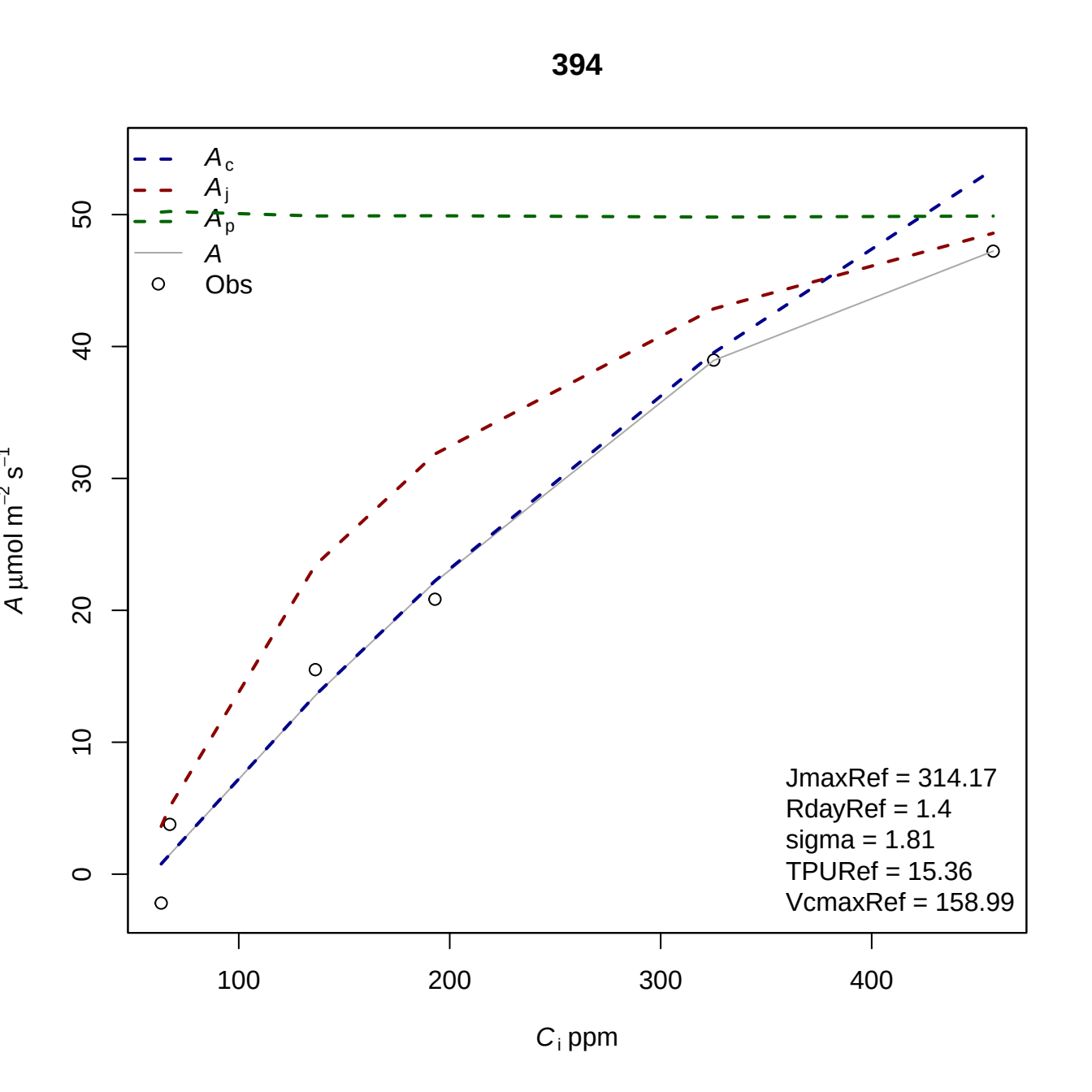

389
A_c
A_j
A_p
A
Obs
JmaxRef = 287.74
RdayRef = 0.79
sigma = 0.97
TPURef = 30.68
VcmaxRef = 132.68
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

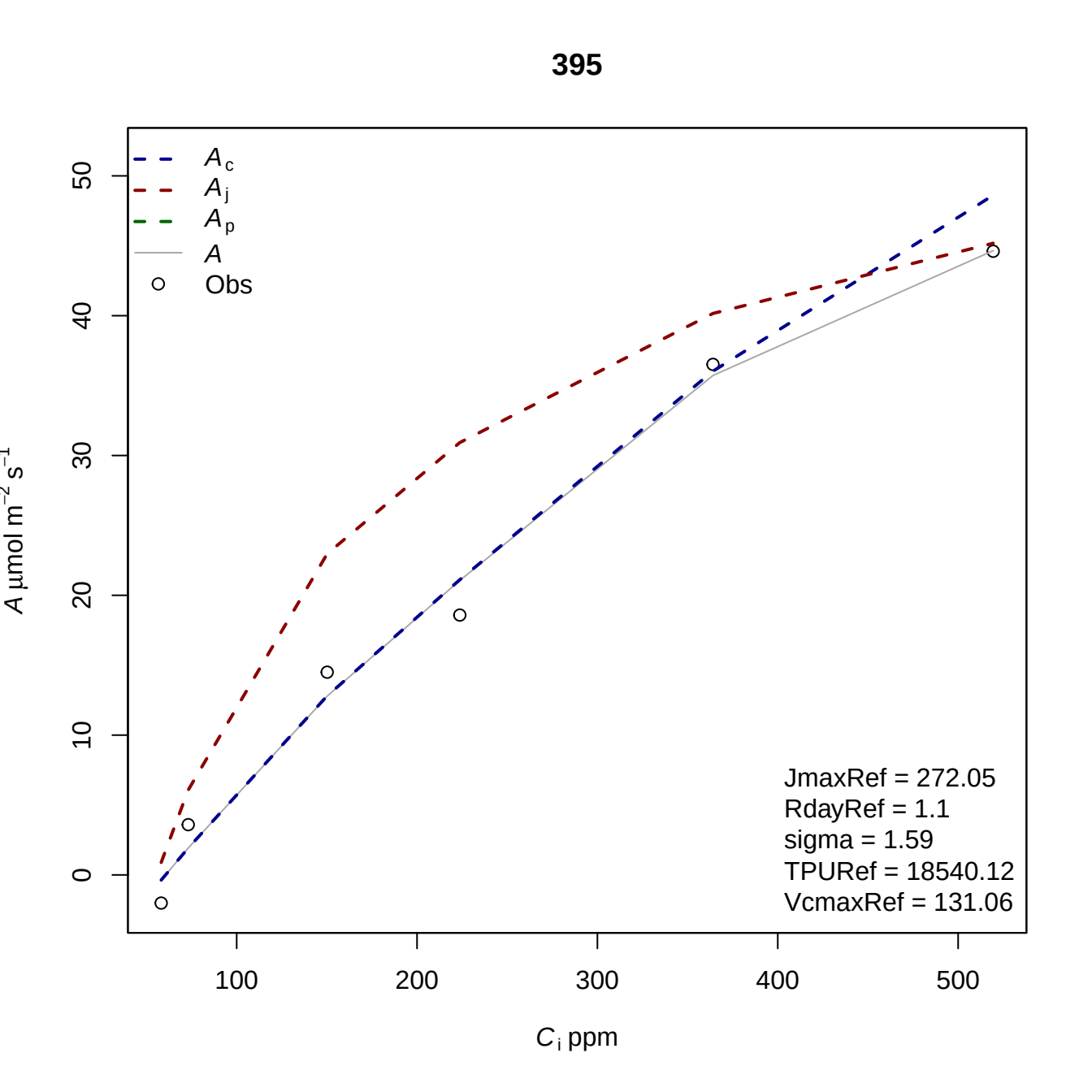

390
A_c
A_j
A_p
A
Obs
JmaxRef = 280.9
RdayRef = 1.1
sigma = 1.15
TPURef = 16.72
VcmaxRef = 133.07
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

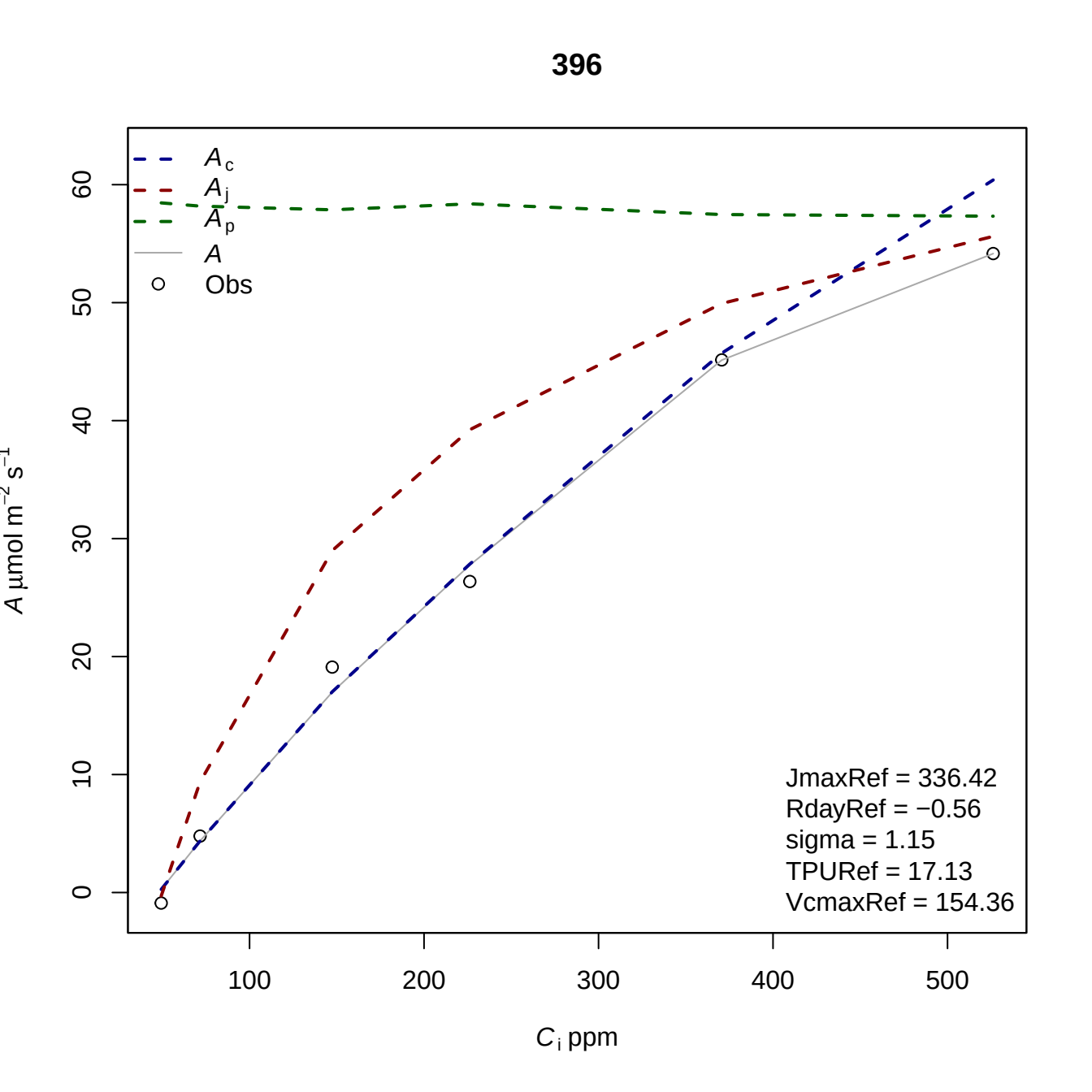

391
A_c
A_j
A_p
A
Obs
JmaxRef = 358.47
RdayRef = 0.11
sigma = 1.58
TPURef = 17.26
VcmaxRef = 151.35
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

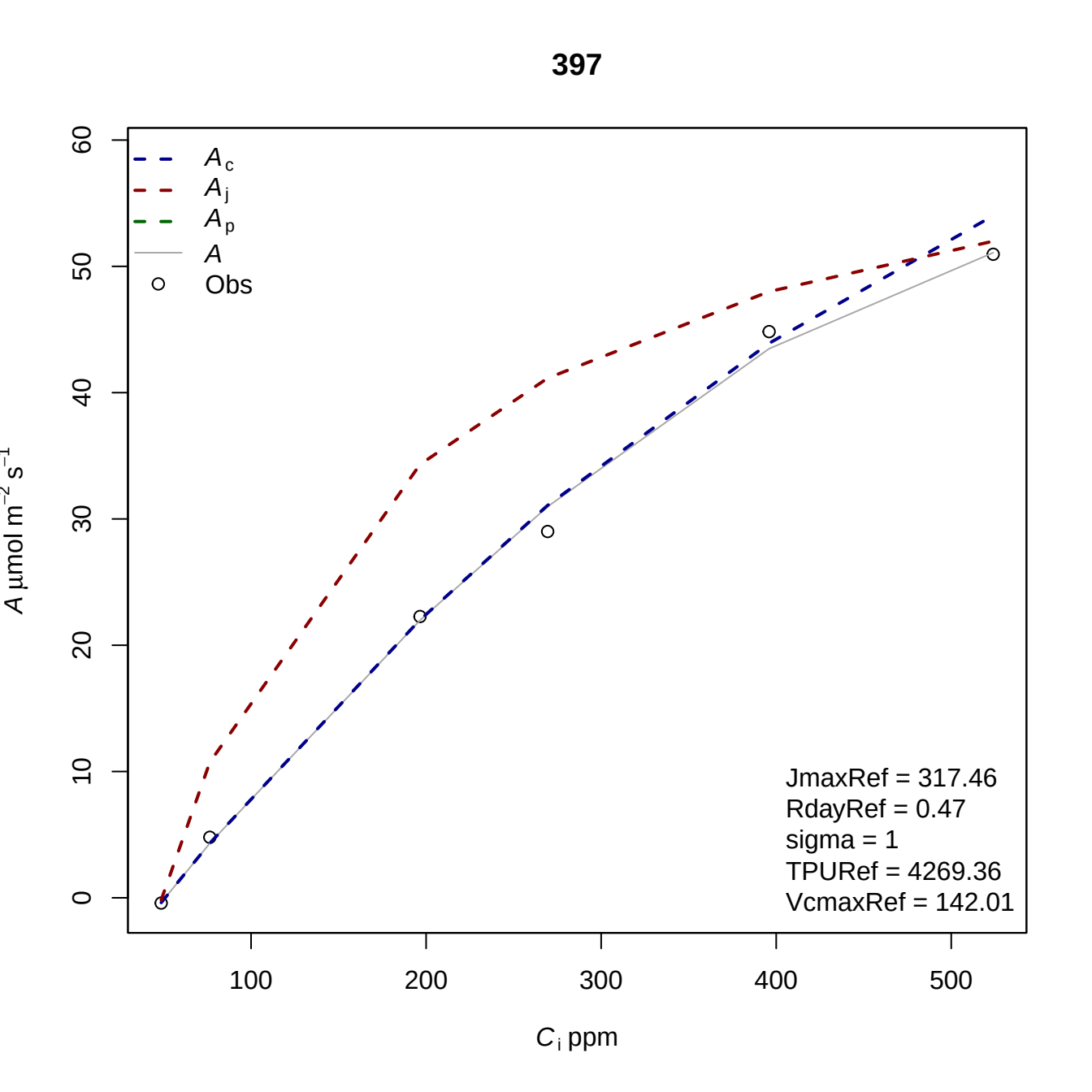

392
A_c
A_j
A_p
A
Obs
JmaxRef = 315.22
RdayRef = 1.28
sigma = 0.69
TPURef = 17.17
VcmaxRef = 144.2
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

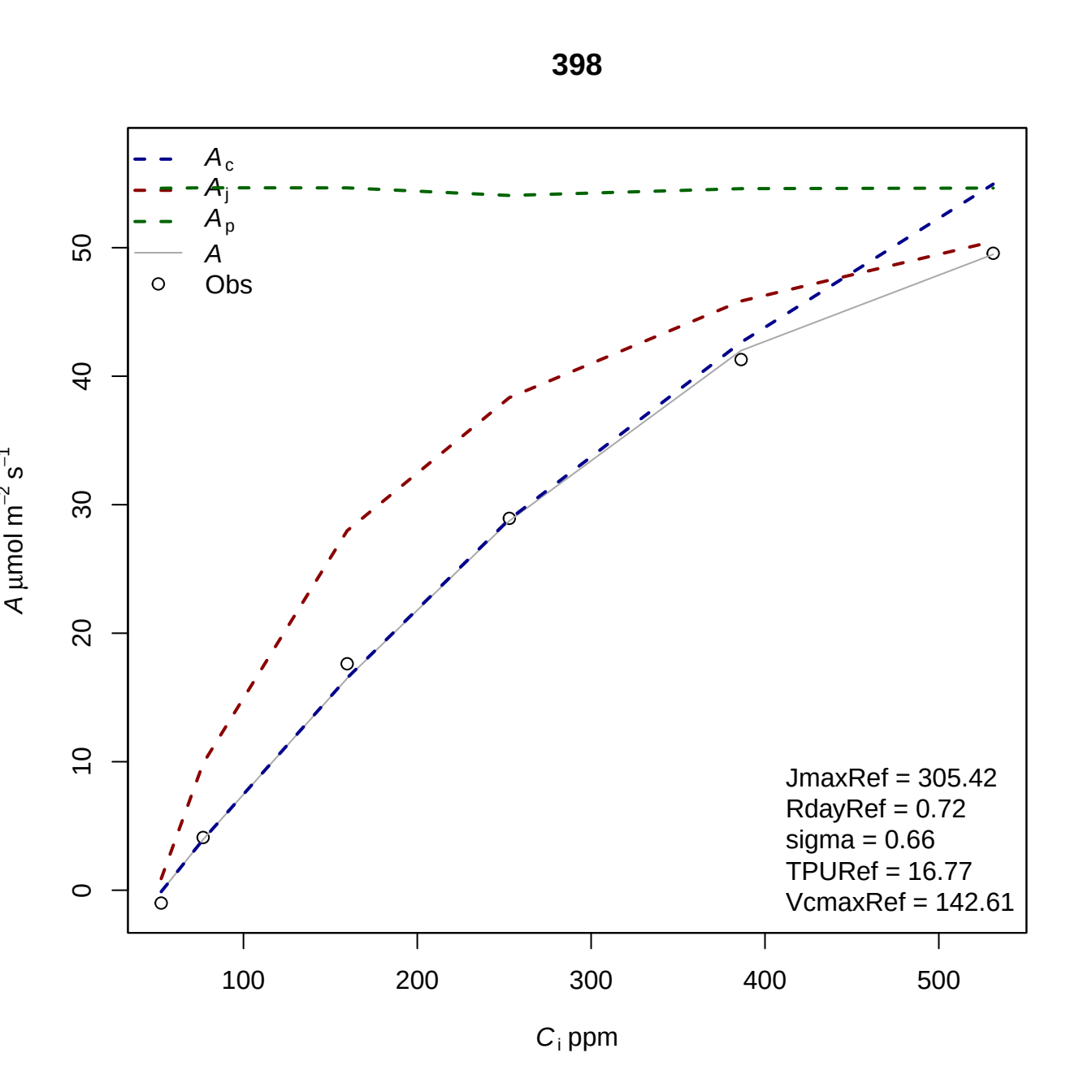

393
A_c
A_j
A_p
A
Obs
JmaxRef = 328.6
RdayRef = 1.76
sigma = 1.14
TPURef = 18.74
VcmaxRef = 168.27
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

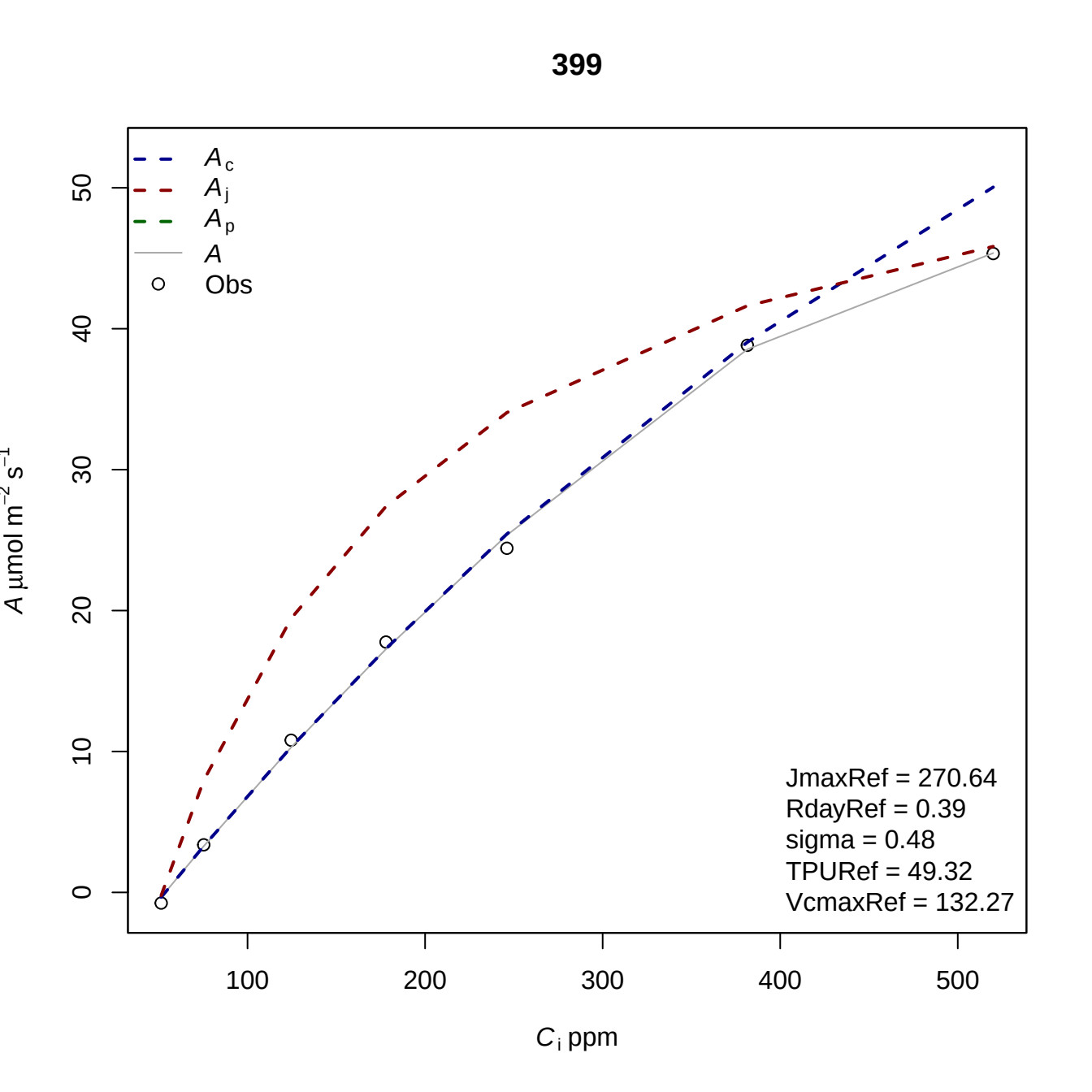

394
A_c
A_j
A_p
A
Obs
JmaxRef = 314.17
RdayRef = 1.4
sigma = 1.81
TPURef = 15.36
VcmaxRef = 158.99
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

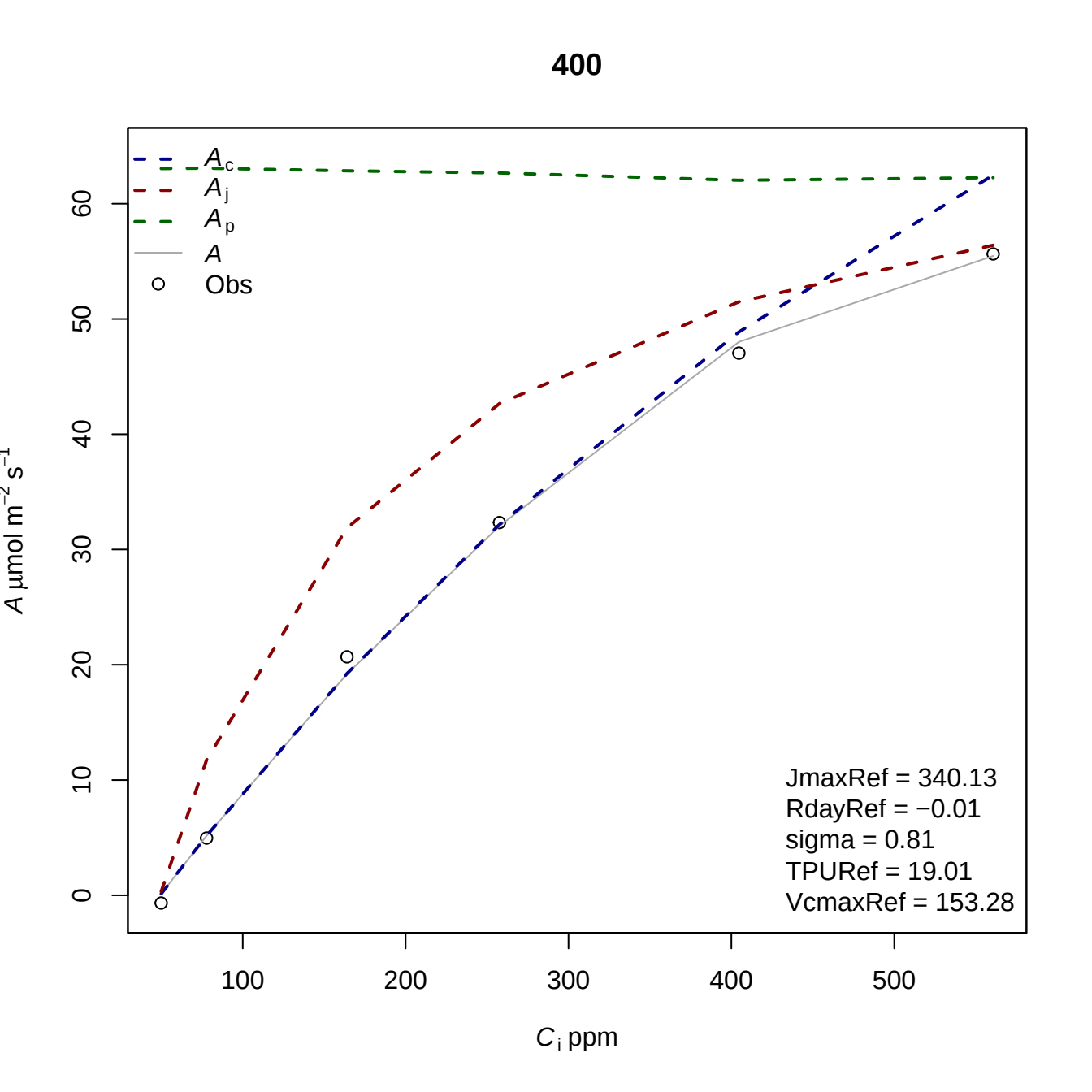

395
A_c
A_j
A_p
A
Obs
JmaxRef = 272.05
RdayRef = 1.1
sigma = 1.59
TPURef = 18540.12
VcmaxRef = 131.06
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

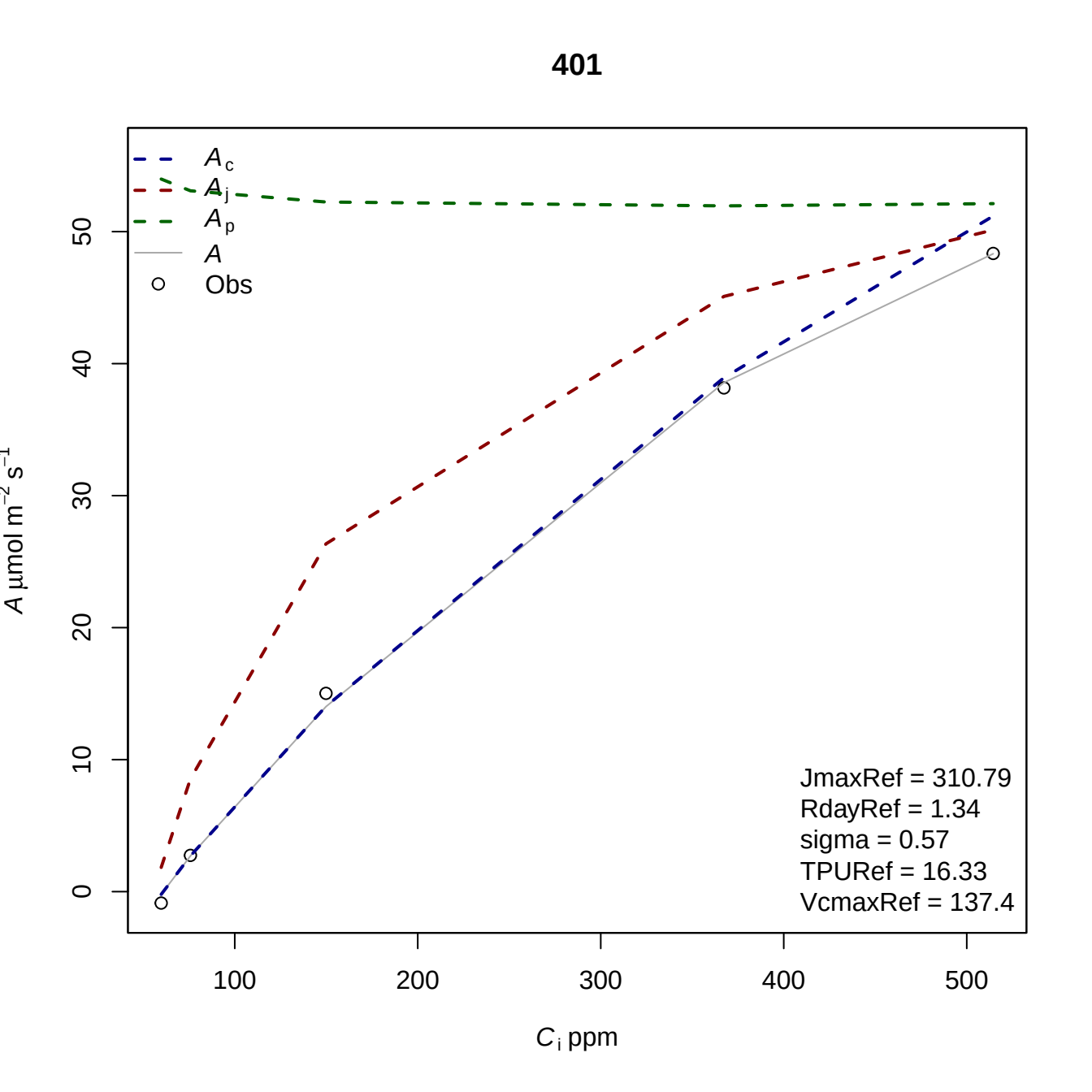

396
A_c
A_j
A_p
A
Obs
JmaxRef = 336.42
RdayRef = −0.56
sigma = 1.15
TPURef = 17.13
VcmaxRef = 154.36
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

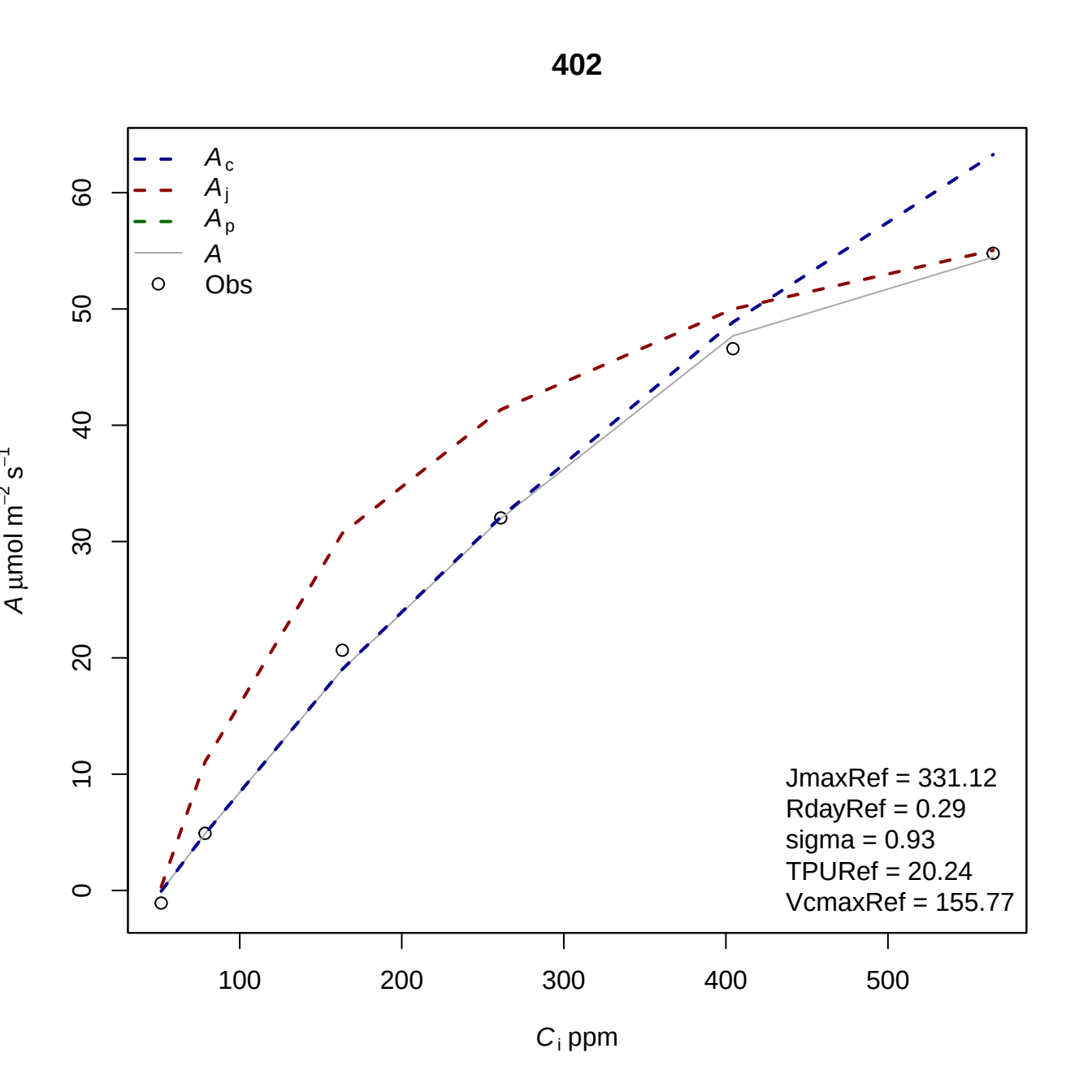

397
A_c
A_j
A_p
A
Obs
JmaxRef = 317.46
RdayRef = 0.47
sigma = 1
TPURef = 4269.36
VcmaxRef = 142.01
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

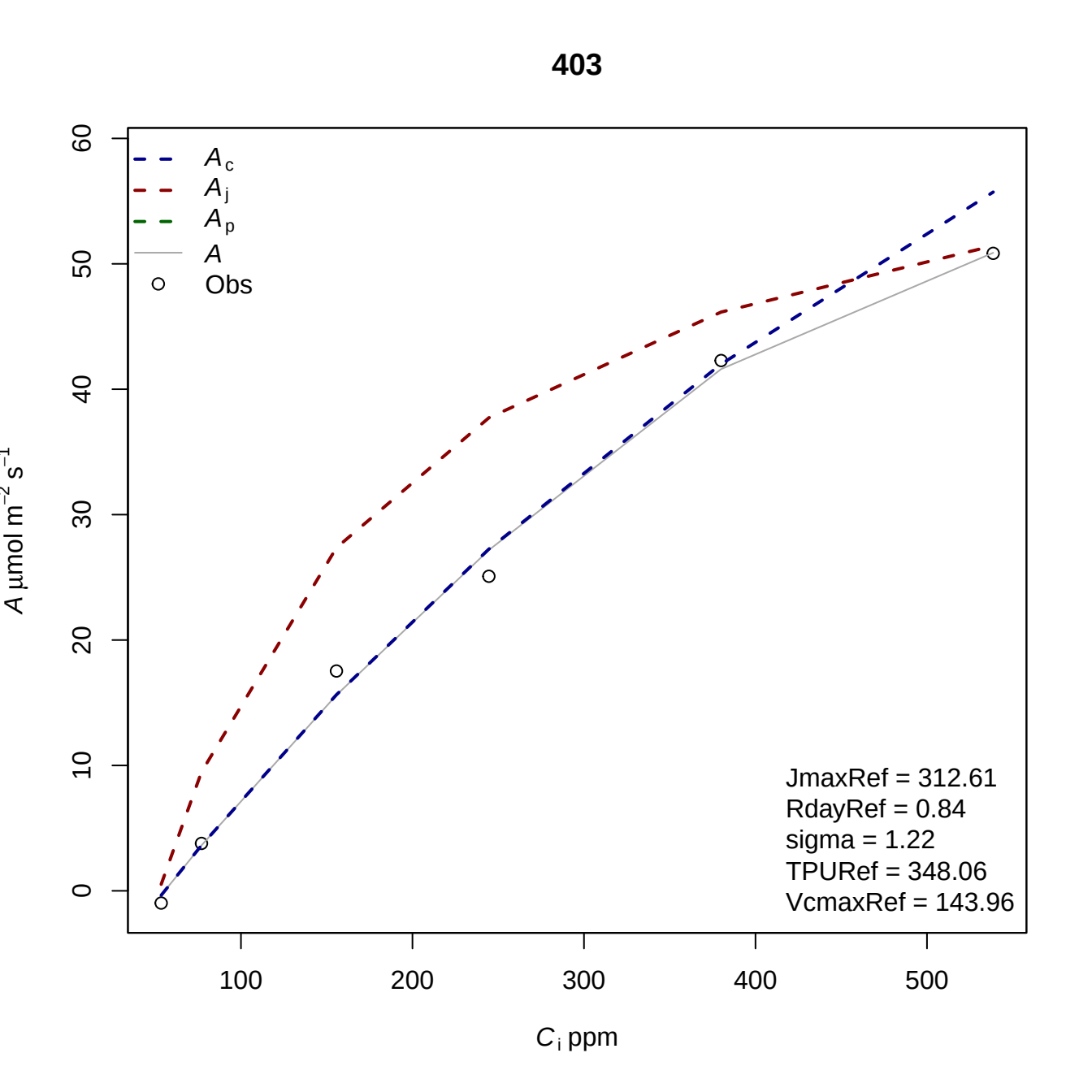

398
A_c
A_j
A_p
A
Obs
JmaxRef = 305.42
RdayRef = 0.72
sigma = 0.66
TPURef = 16.77
VcmaxRef = 142.61
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

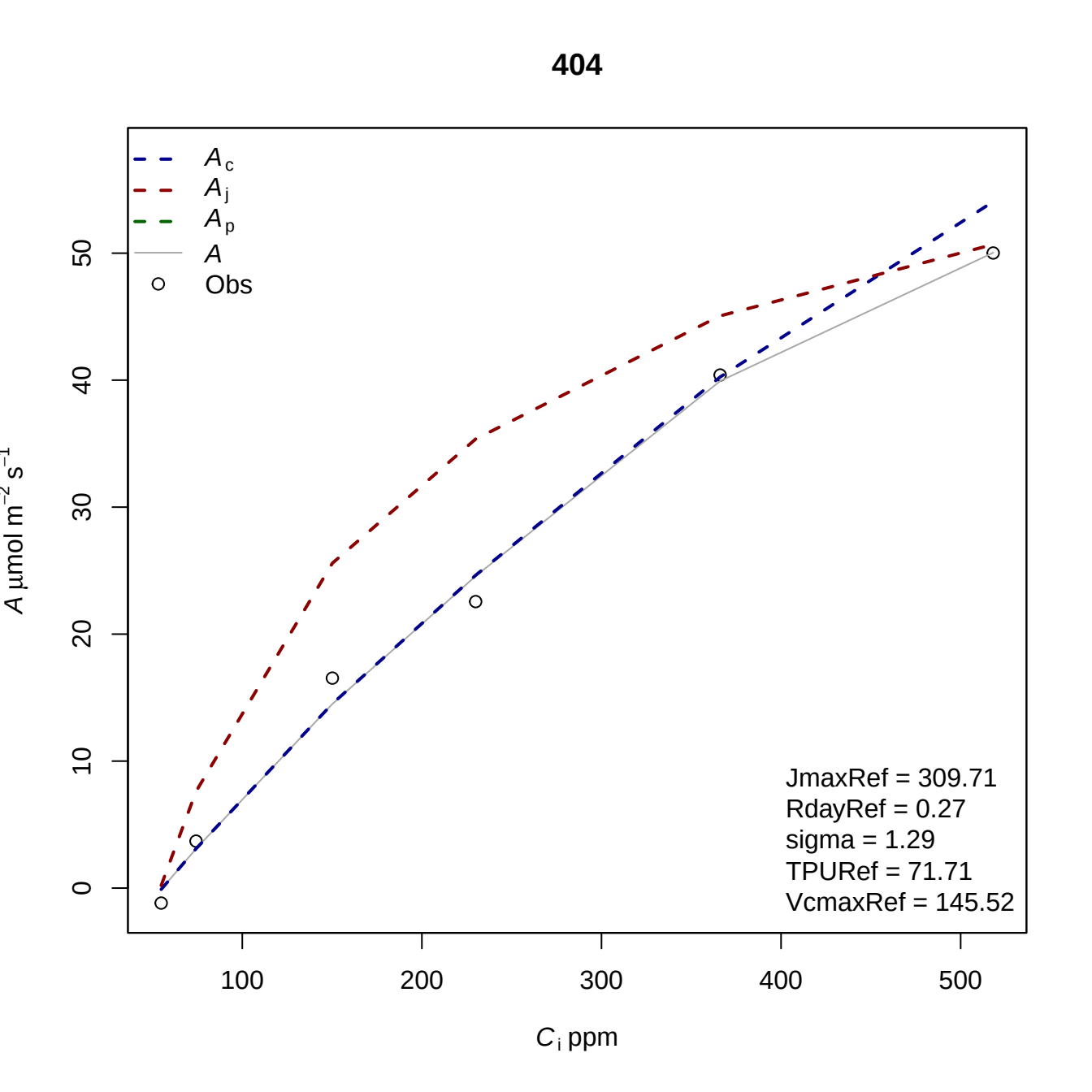

399
A_c
A_j
A_p
A
Obs
JmaxRef = 270.64
RdayRef = 0.39
sigma = 0.48
TPURef = 49.32
VcmaxRef = 132.27
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

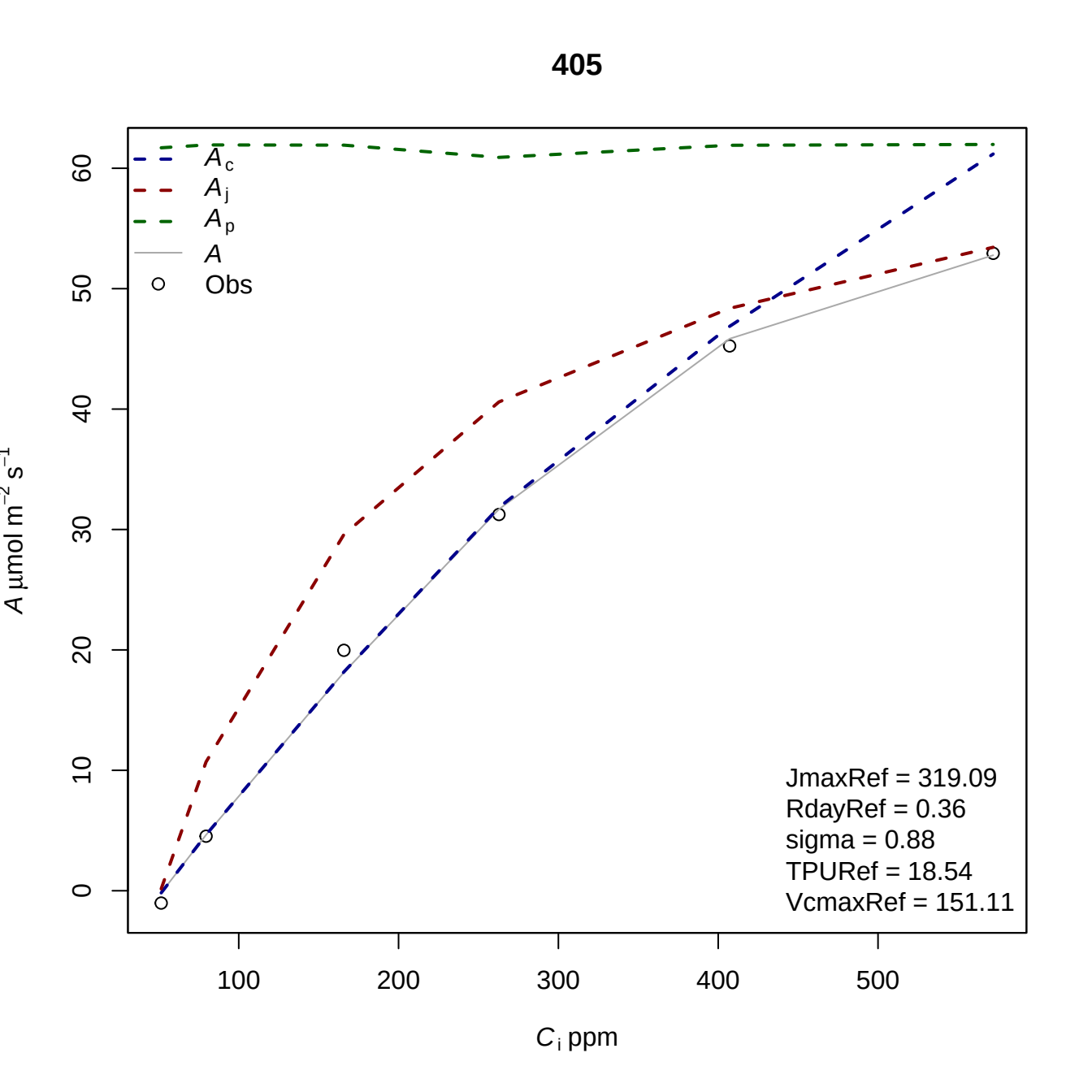

400
A_c
A_j
A_p
A
Obs
JmaxRef = 340.13
RdayRef = −0.01
sigma = 0.81
TPURef = 19.01
VcmaxRef = 153.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

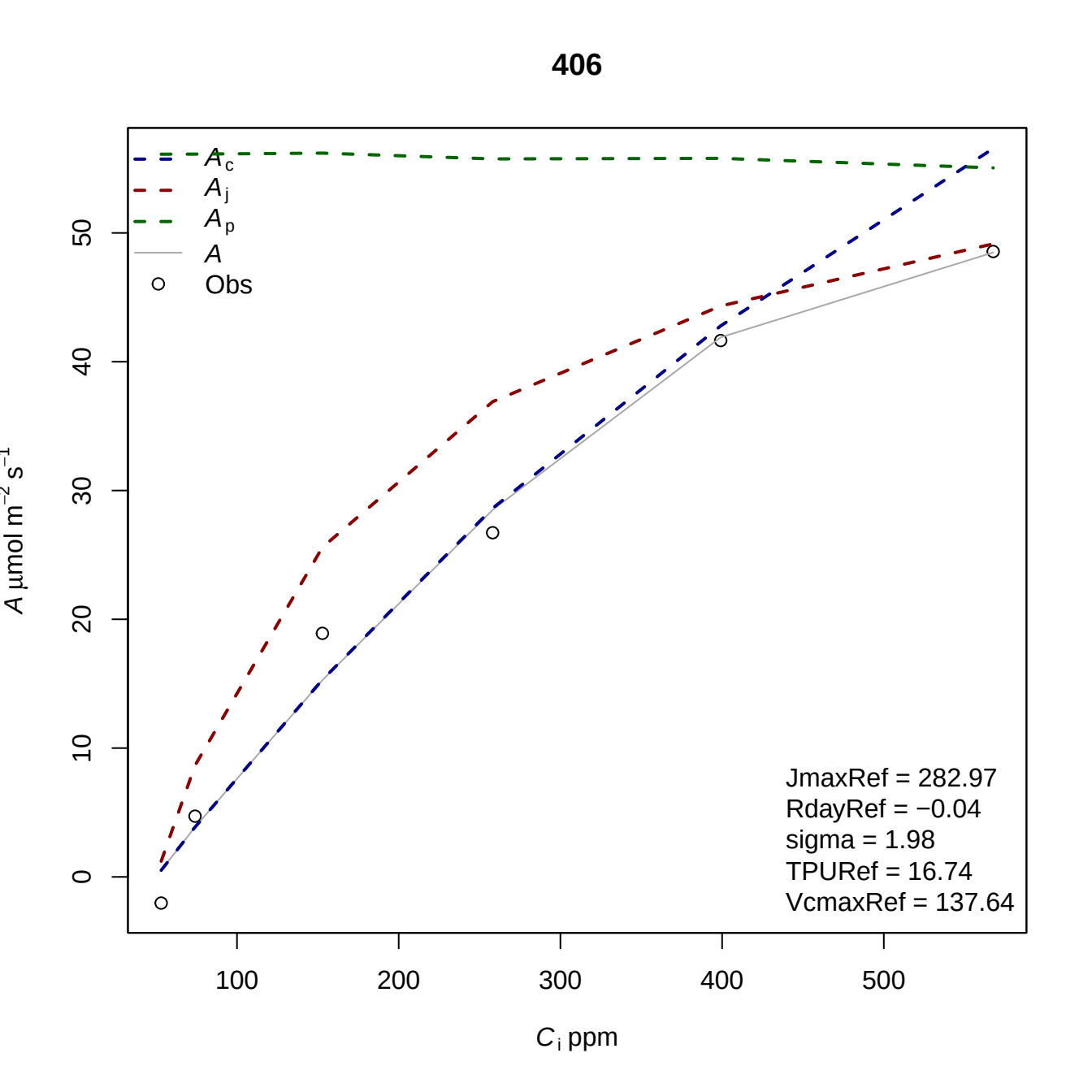

401
A_c
A_j
A_p
A
Obs
JmaxRef = 310.79
RdayRef = 1.34
sigma = 0.57
TPURef = 16.33
VcmaxRef = 137.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

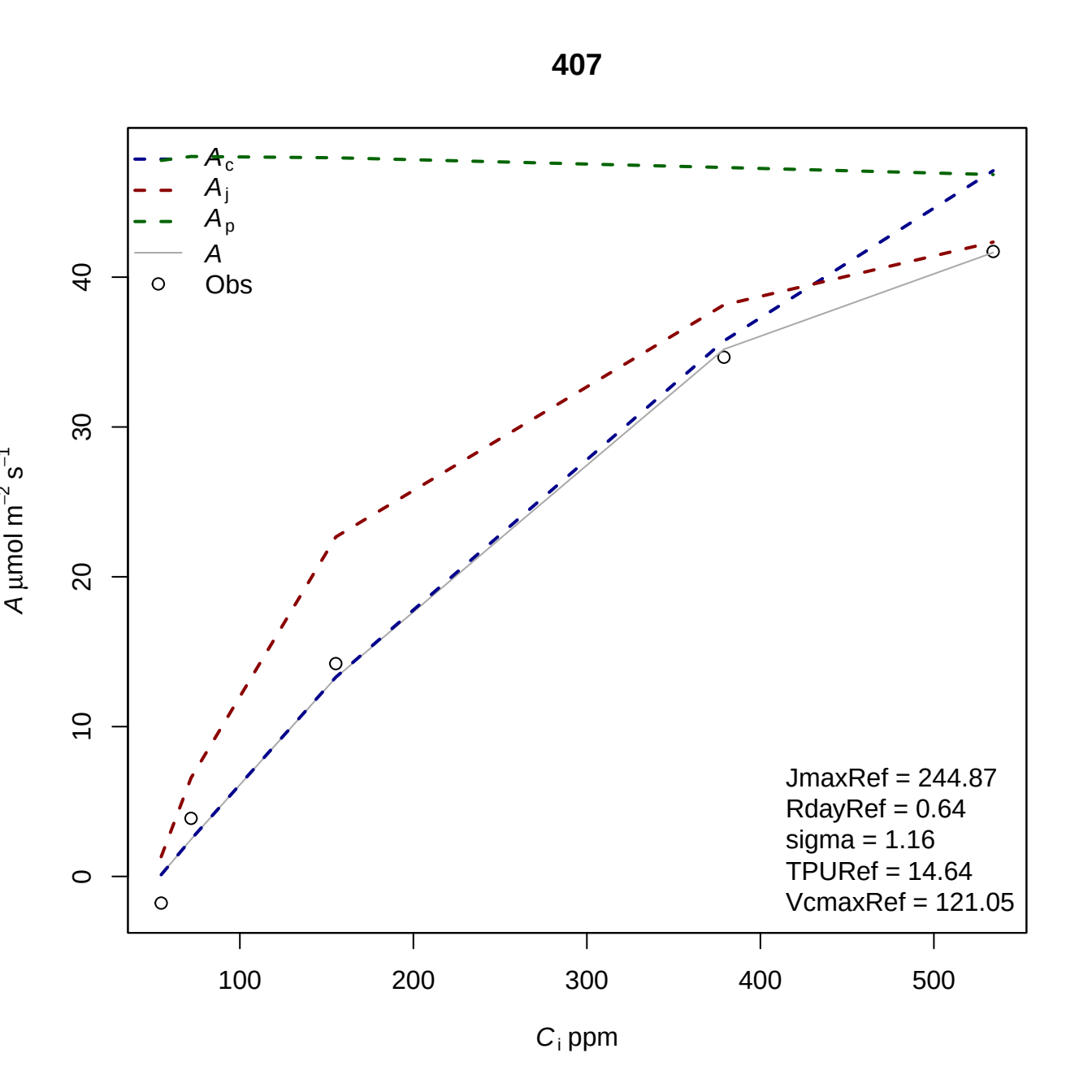

402
A_c
A_j
A_p
A
Obs
JmaxRef = 331.12
RdayRef = 0.29
sigma = 0.93
TPURef = 20.24
VcmaxRef = 155.77
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

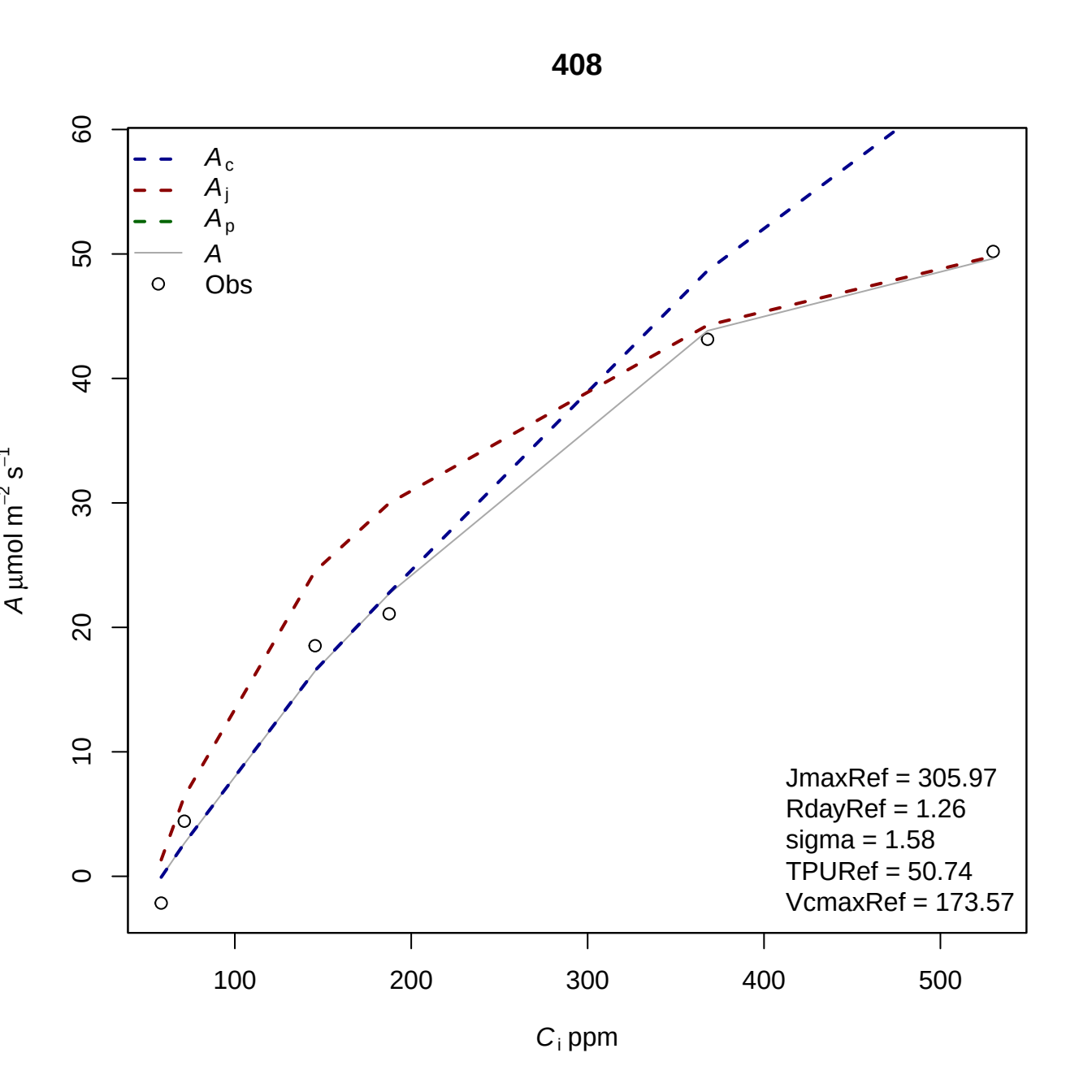

403
A_c
A_j
A_p
A
Obs
JmaxRef = 312.61
RdayRef = 0.84
sigma = 1.22
TPURef = 348.06
VcmaxRef = 143.96
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

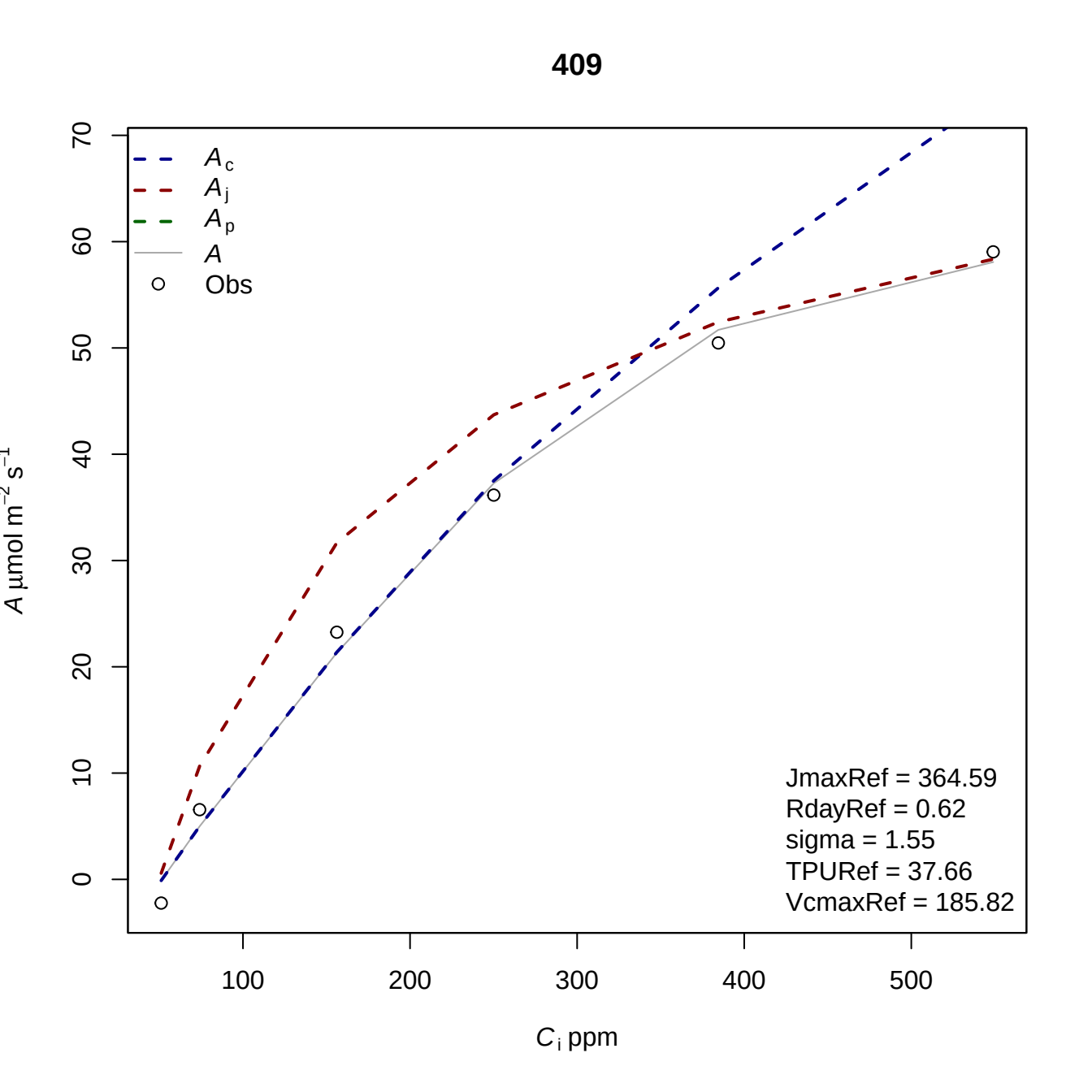

404
A_c
A_j
A_p
A
Obs
JmaxRef = 309.71
RdayRef = 0.27
sigma = 1.29
TPURef = 71.71
VcmaxRef = 145.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

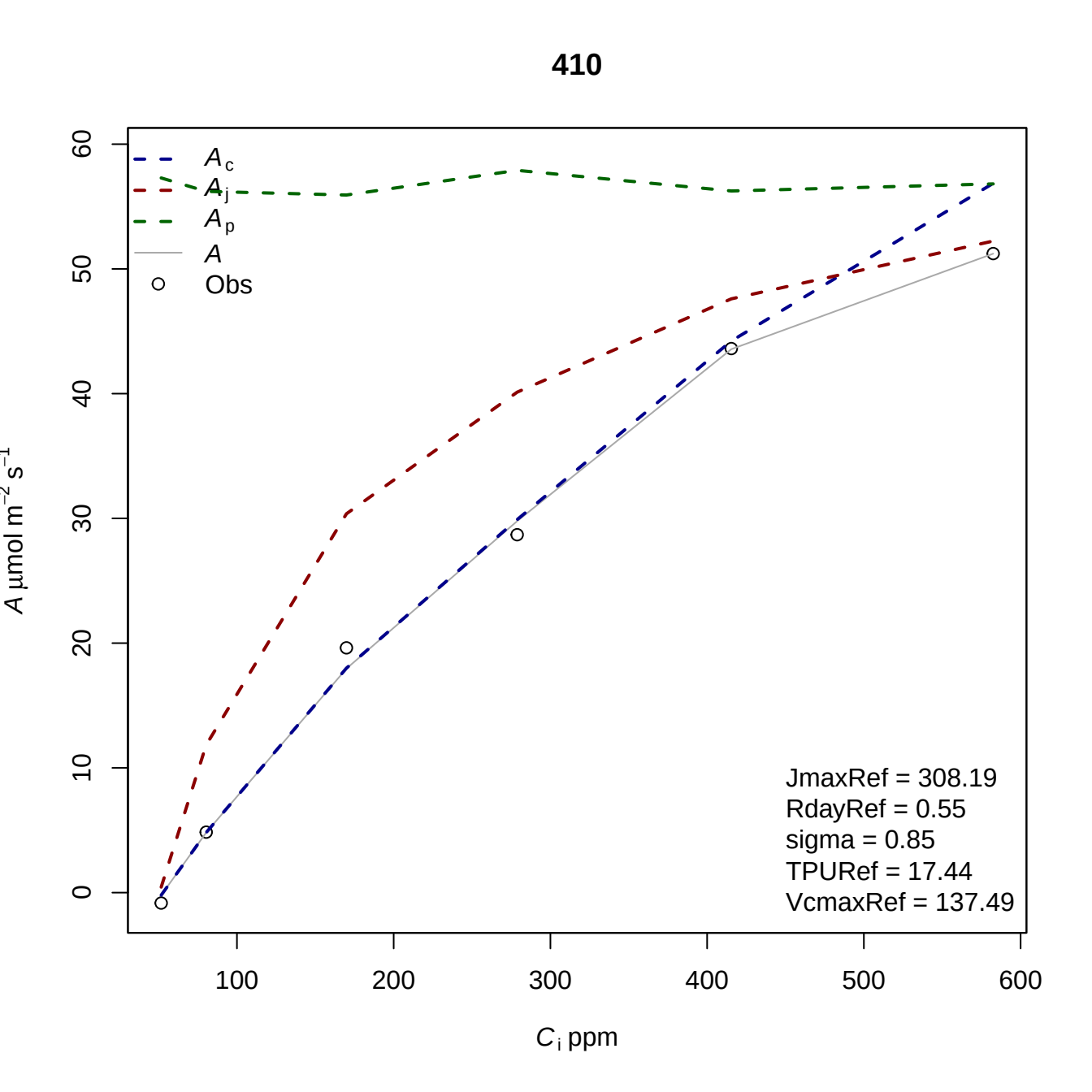

405
A_c
A_j
A_p
A
Obs
JmaxRef = 319.09
RdayRef = 0.36
sigma = 0.88
TPURef = 18.54
VcmaxRef = 151.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

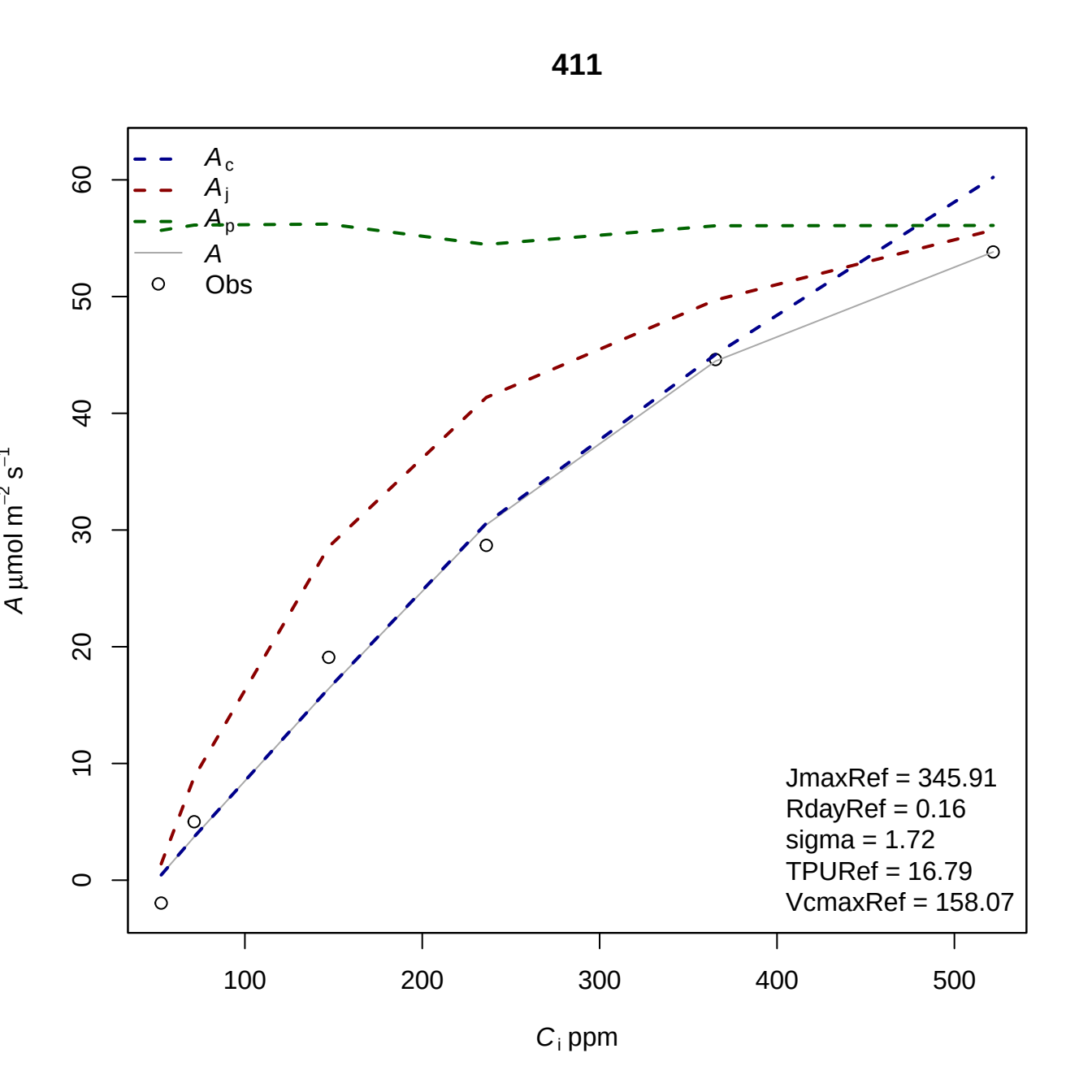

406
A_c
A_j
A_p
A
Obs
JmaxRef = 282.97
RdayRef = −0.04
sigma = 1.98
TPURef = 16.74
VcmaxRef = 137.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

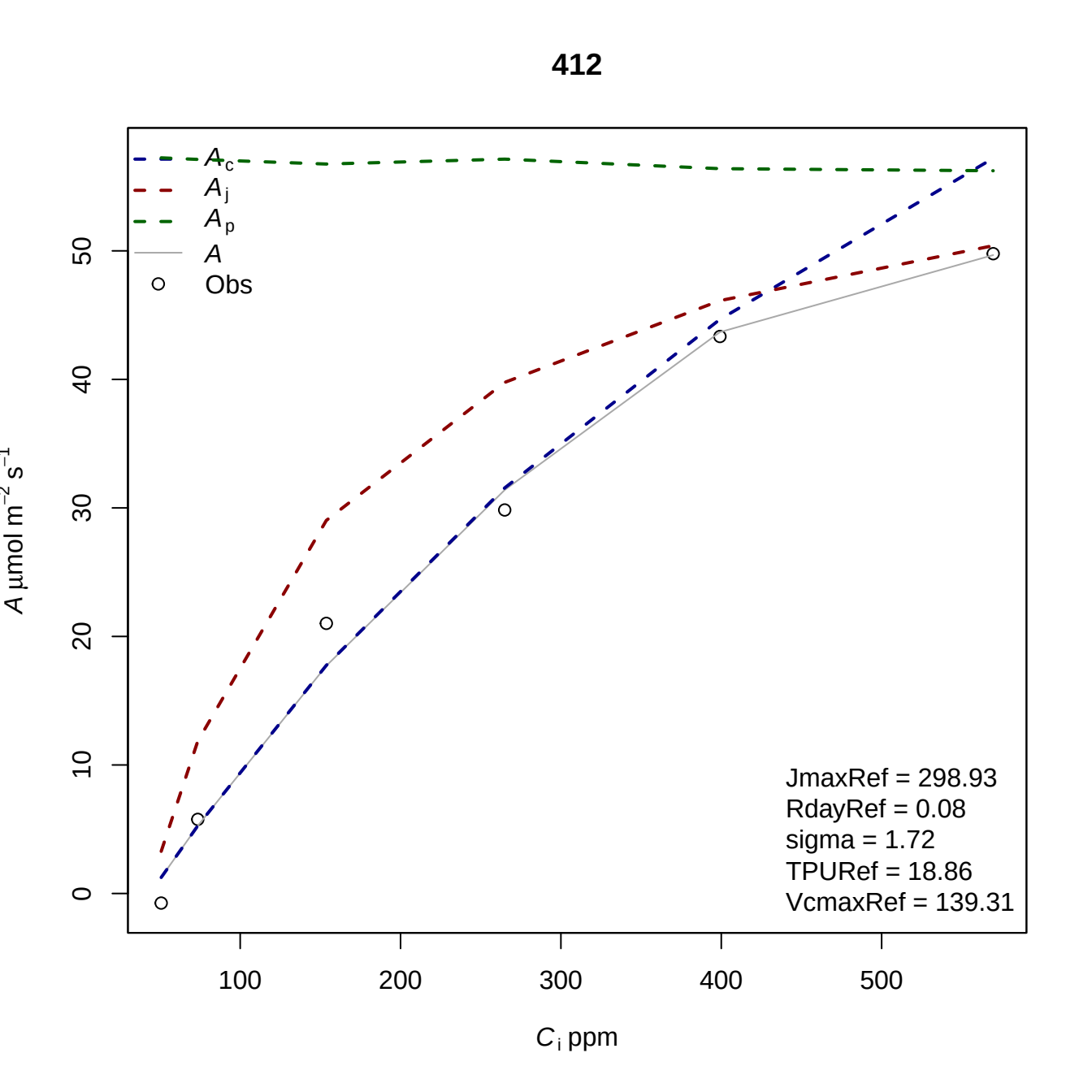

407
A_c
A_j
A_p
A
Obs
JmaxRef = 244.87
RdayRef = 0.64
sigma = 1.16
TPURef = 14.64
VcmaxRef = 121.05
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
C_i ppm

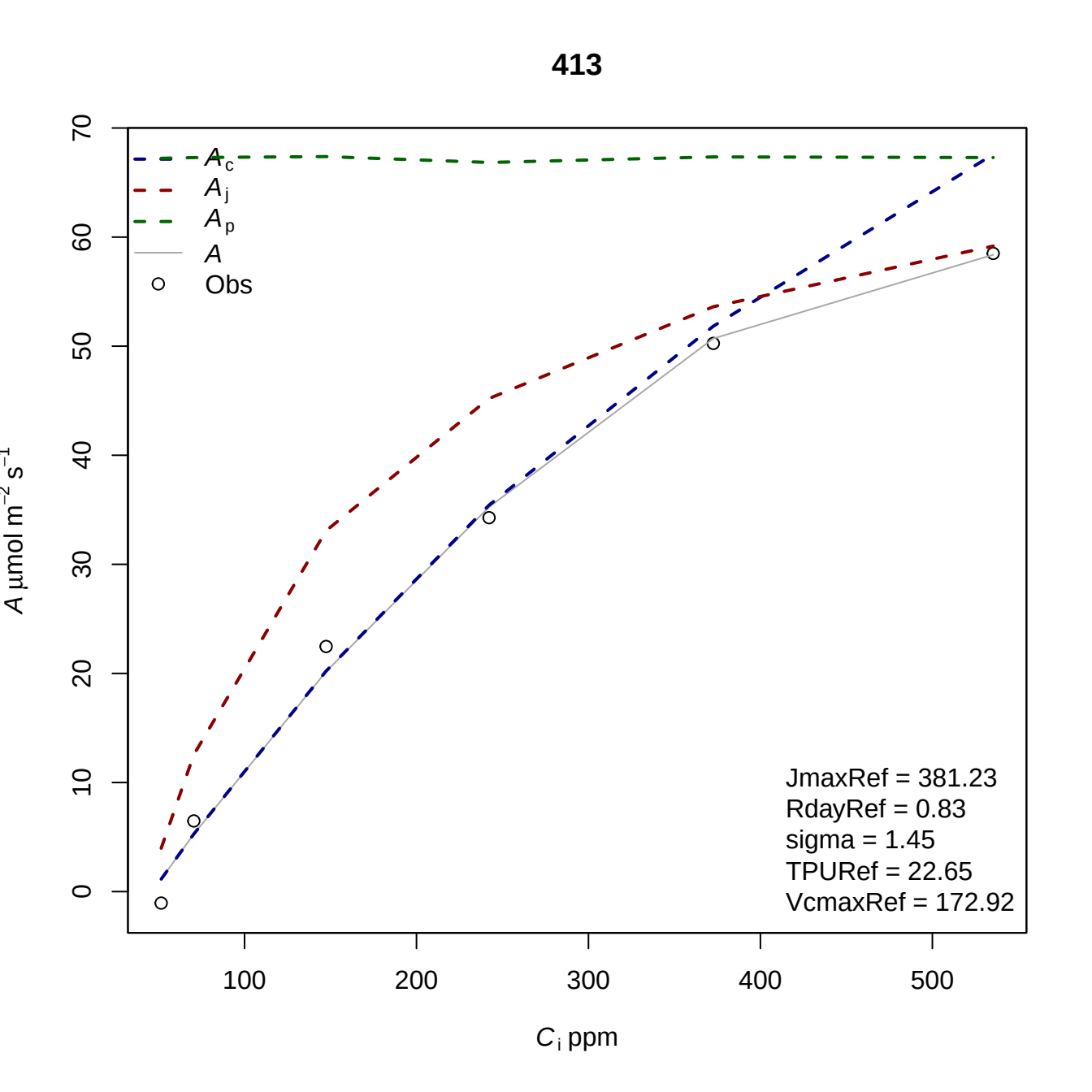

408
A_c
A_j
A_p
A
Obs
JmaxRef = 305.97
RdayRef = 1.26
sigma = 1.58
TPURef = 50.74
VcmaxRef = 173.57
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

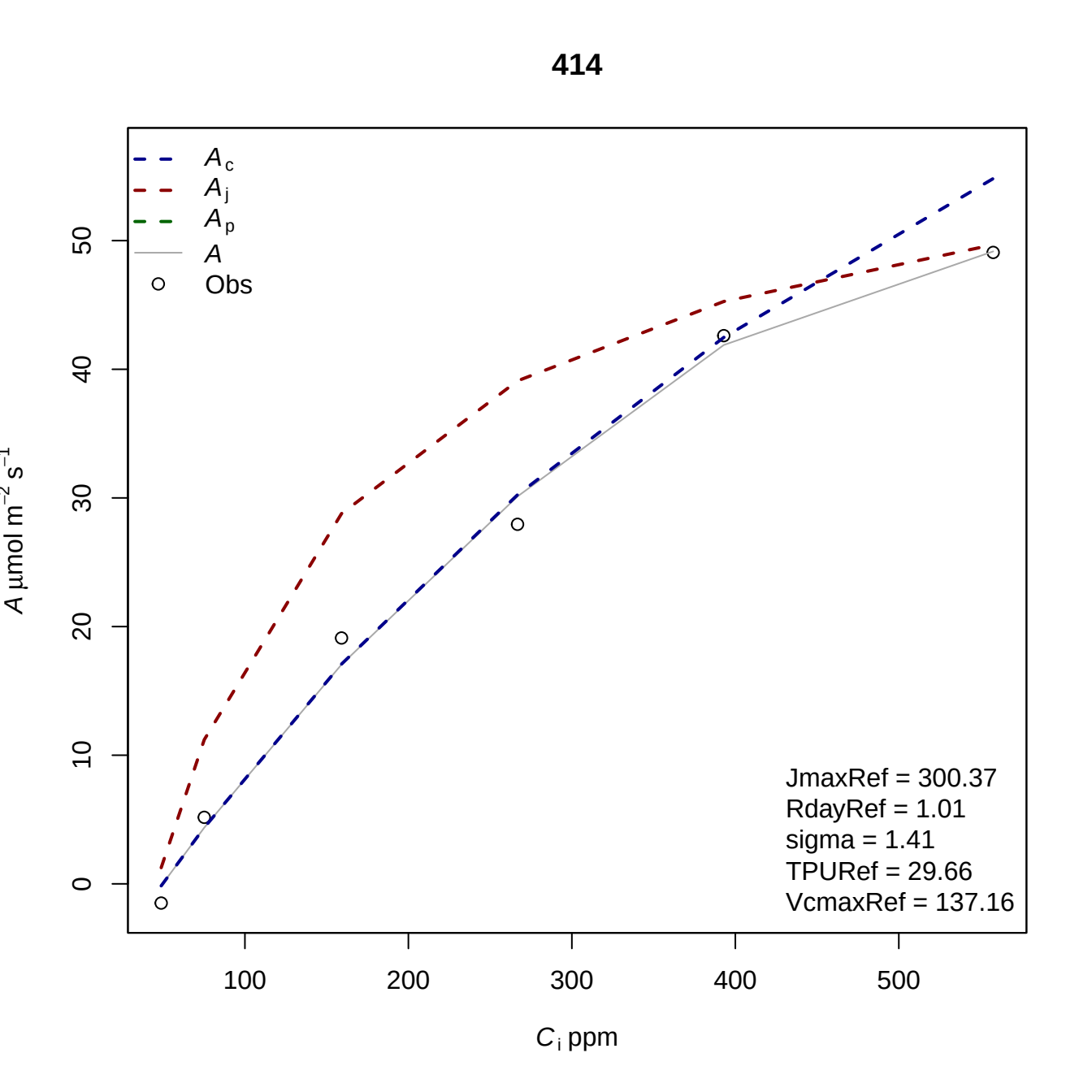

409
A_c
A_j
A_p
A
Obs
JmaxRef = 364.59
RdayRef = 0.62
sigma = 1.55
TPURef = 37.66
VcmaxRef = 185.82
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
70
100
200
300
400
500

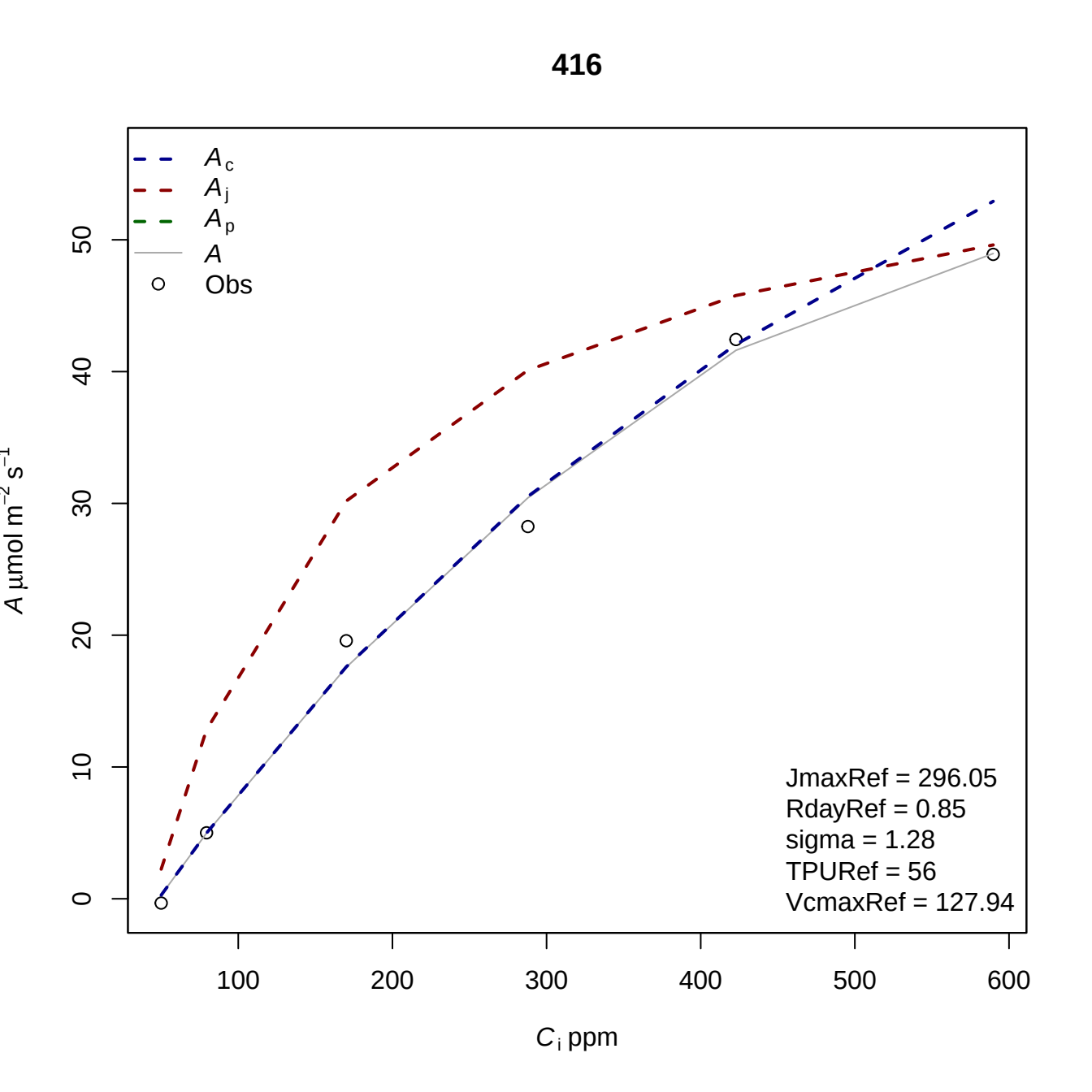

410
A_c
A_j
A_p
A
Obs
JmaxRef = 308.19
RdayRef = 0.55
sigma = 0.85
TPURef = 17.44
VcmaxRef = 137.49
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

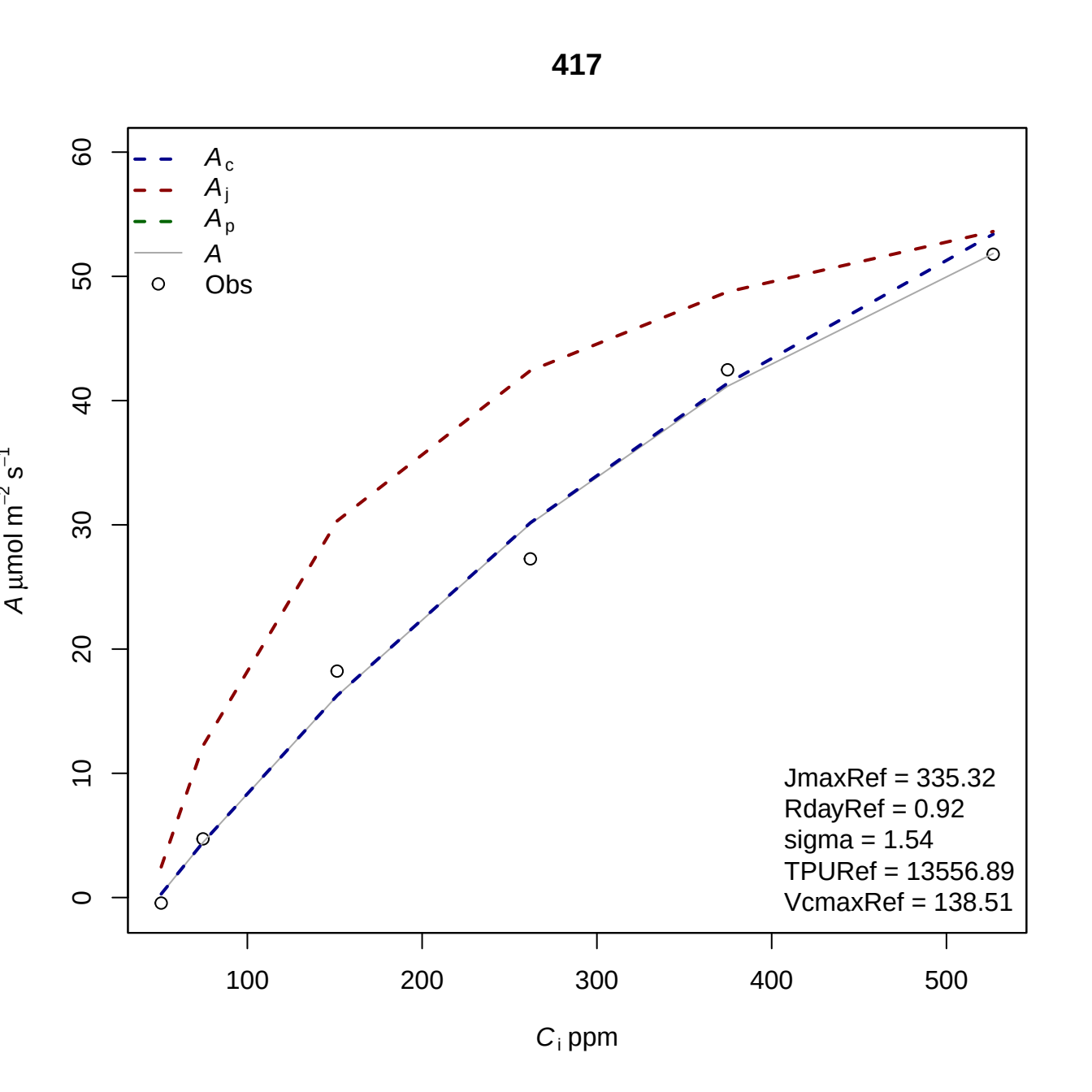

411
A_c
A_j
A_p
A
Obs
JmaxRef = 345.91
RdayRef = 0.16
sigma = 1.72
TPURef = 16.79
VcmaxRef = 158.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

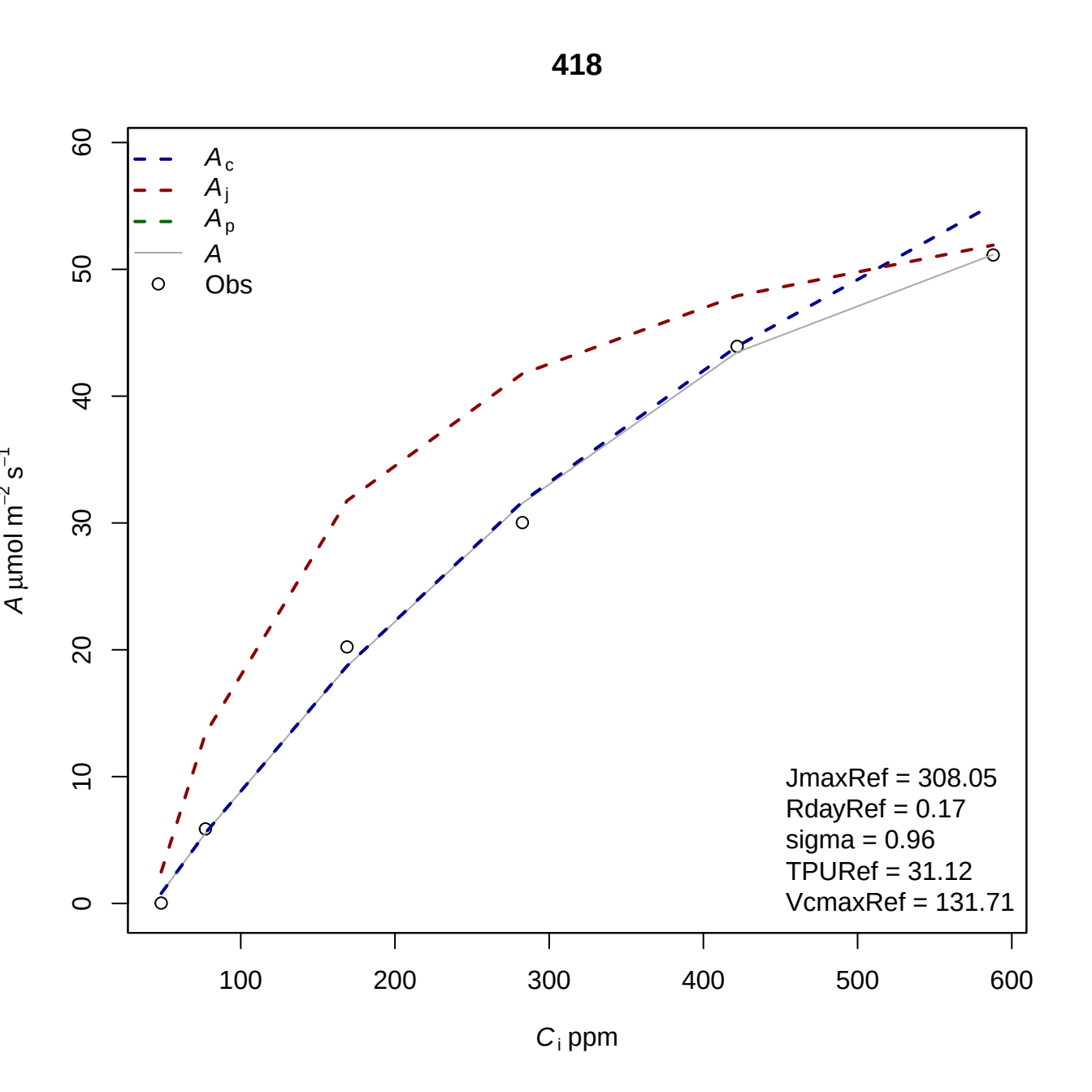

412
A_c
A_j
A_p
A
Obs
JmaxRef = 298.93
RdayRef = 0.08
sigma = 1.72
TPURef = 18.86
VcmaxRef = 139.31
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

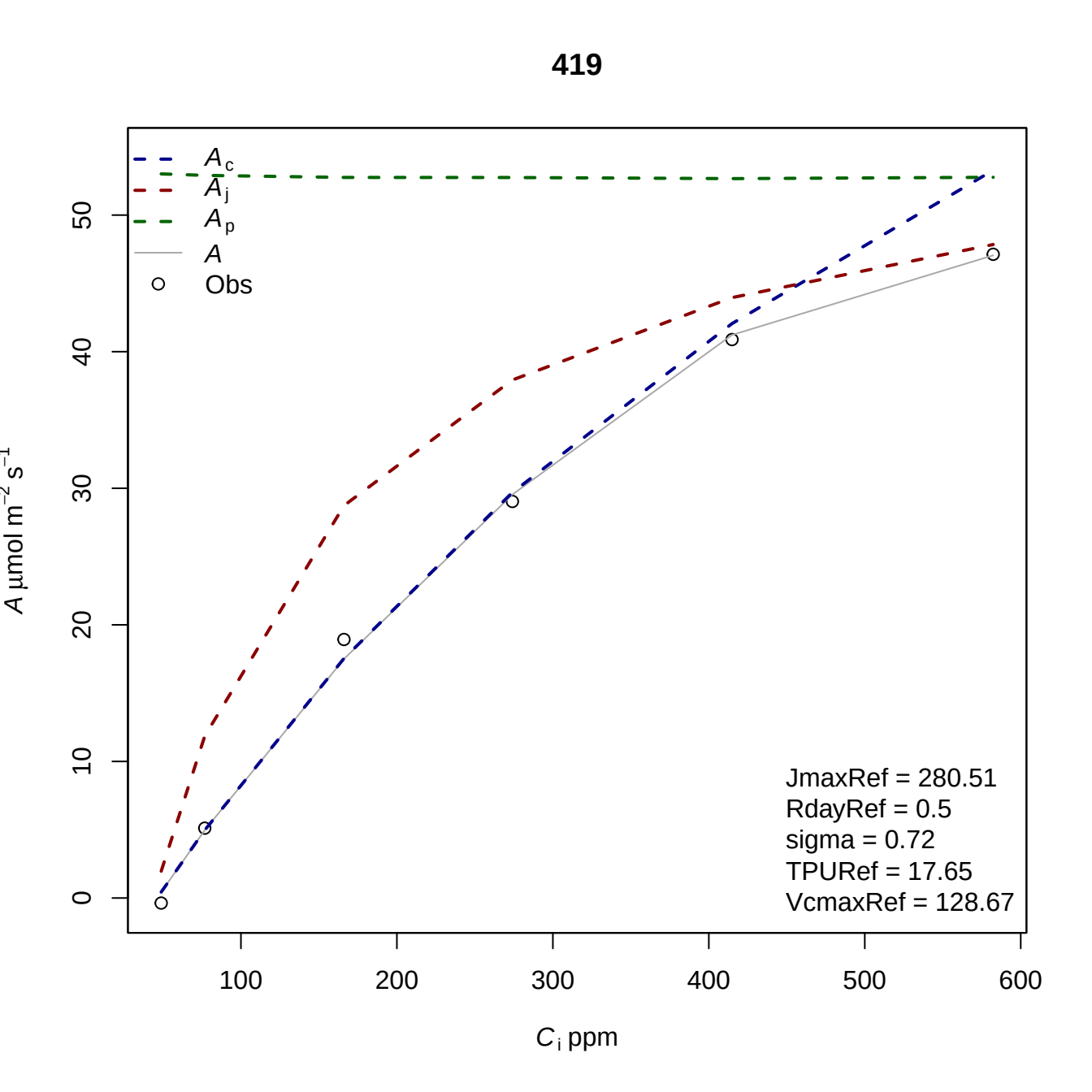

413
A_c
A_j
A_p
A
Obs
JmaxRef = 381.23
RdayRef = 0.83
sigma = 1.45
TPURef = 22.65
VcmaxRef = 172.92
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
70
100
200
300
400
500

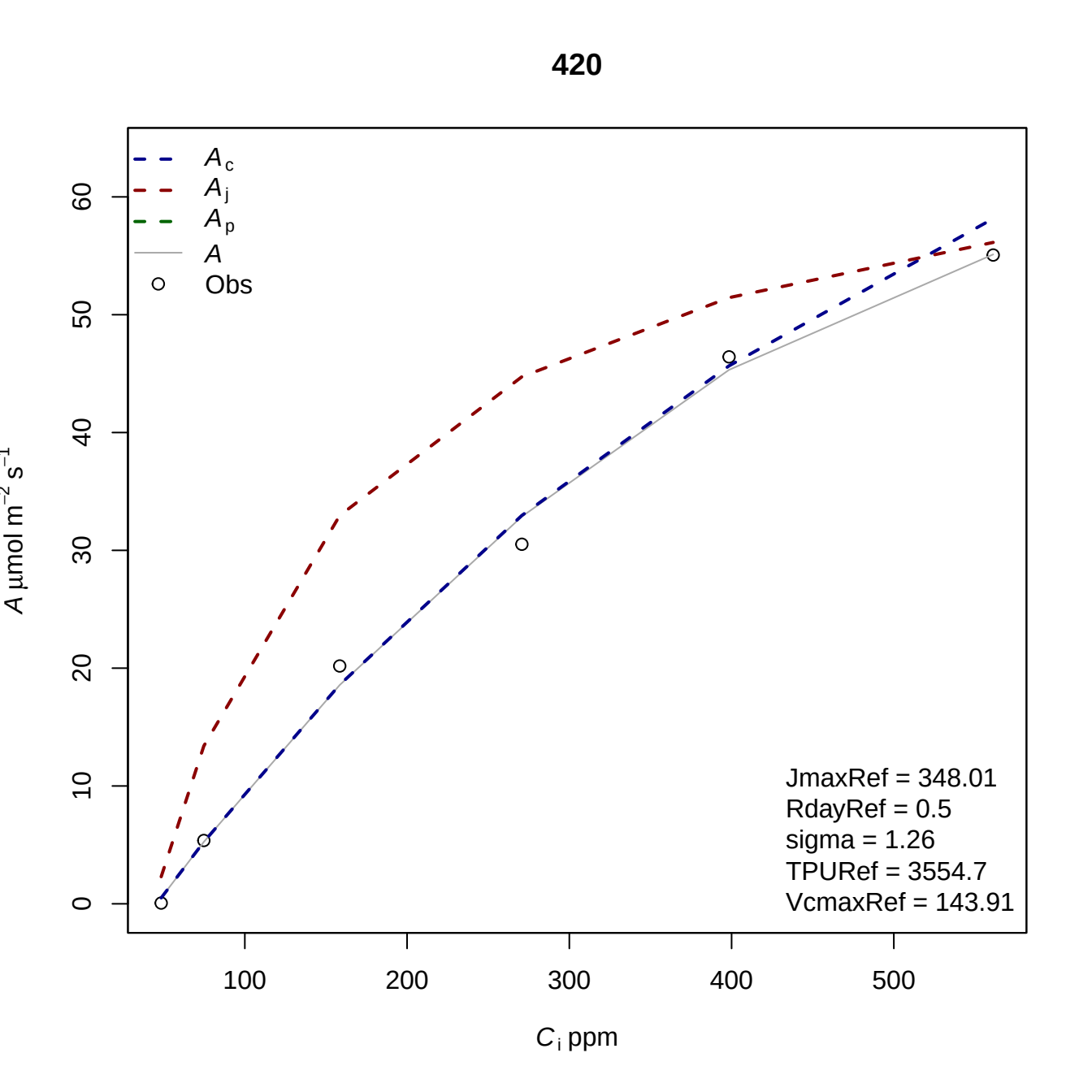

414
A_c
A_j
A_p
A
Obs
JmaxRef = 300.37
RdayRef = 1.01
sigma = 1.41
TPURef = 29.66
VcmaxRef = 137.16
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

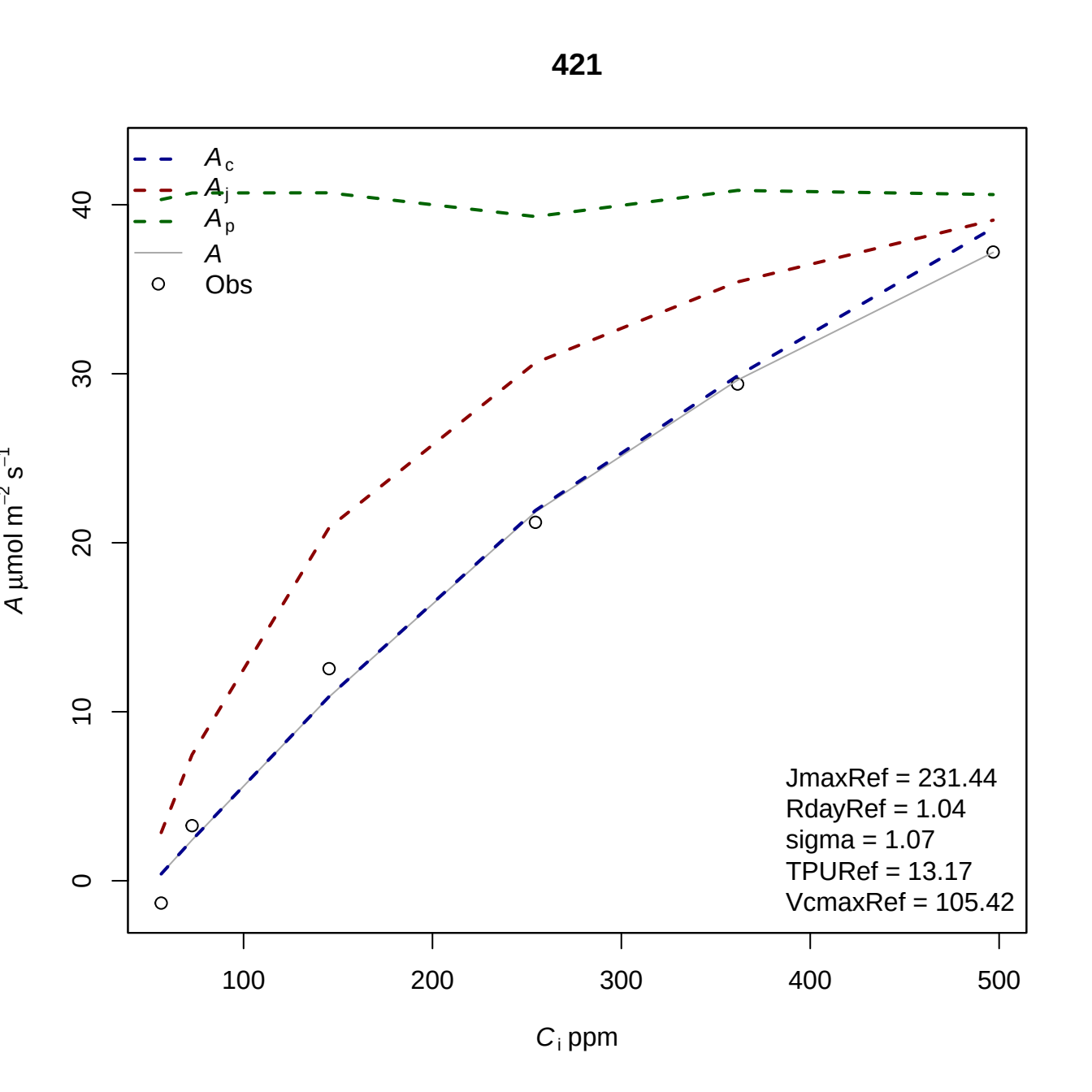

416
A_c
A_j
A_p
A
Obs
JmaxRef = 296.05
RdayRef = 0.85
sigma = 1.28
TPURef = 56
VcmaxRef = 127.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

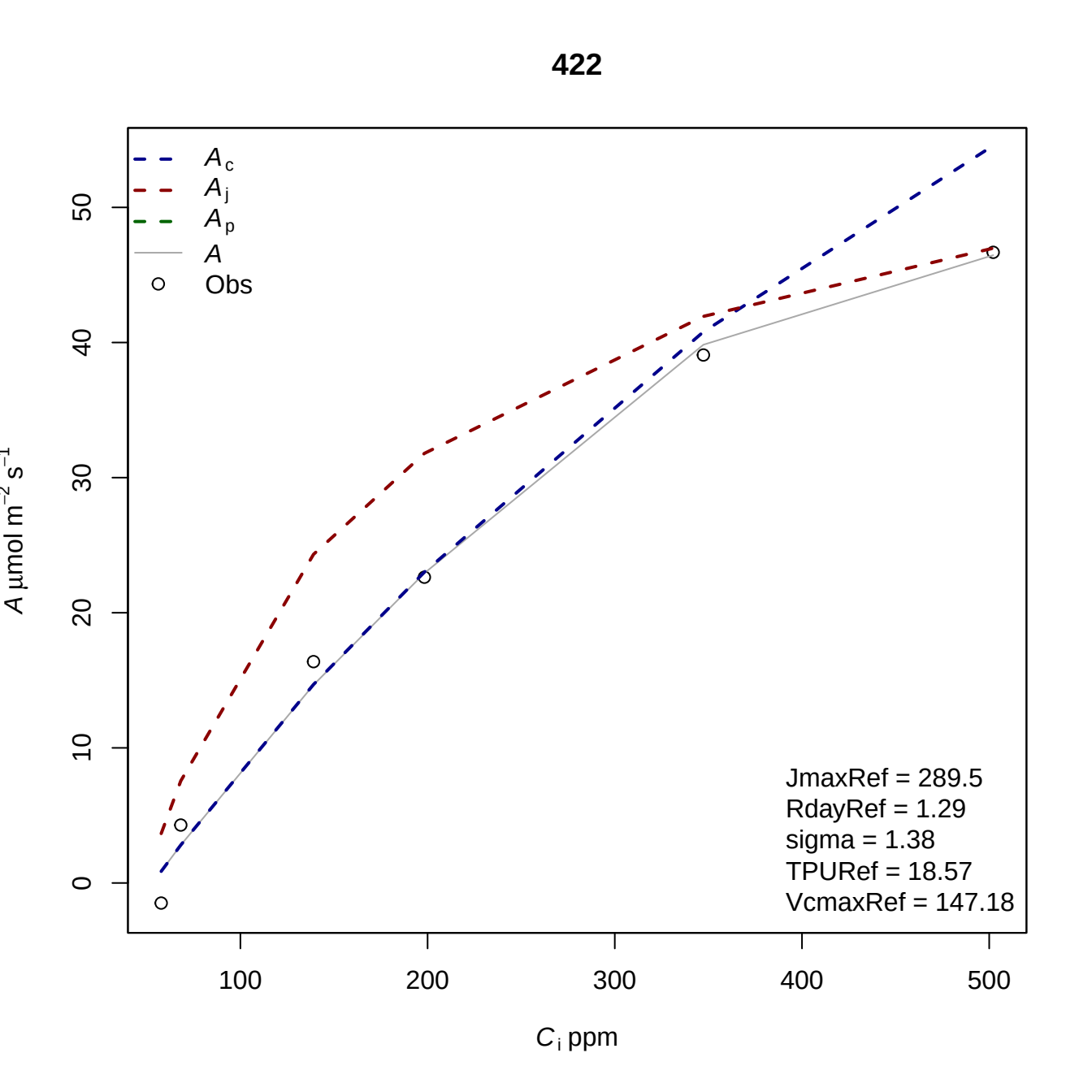

417
A_c
A_j
A_p
A
Obs
JmaxRef = 335.32
RdayRef = 0.92
sigma = 1.54
TPURef = 13556.89
VcmaxRef = 138.51
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

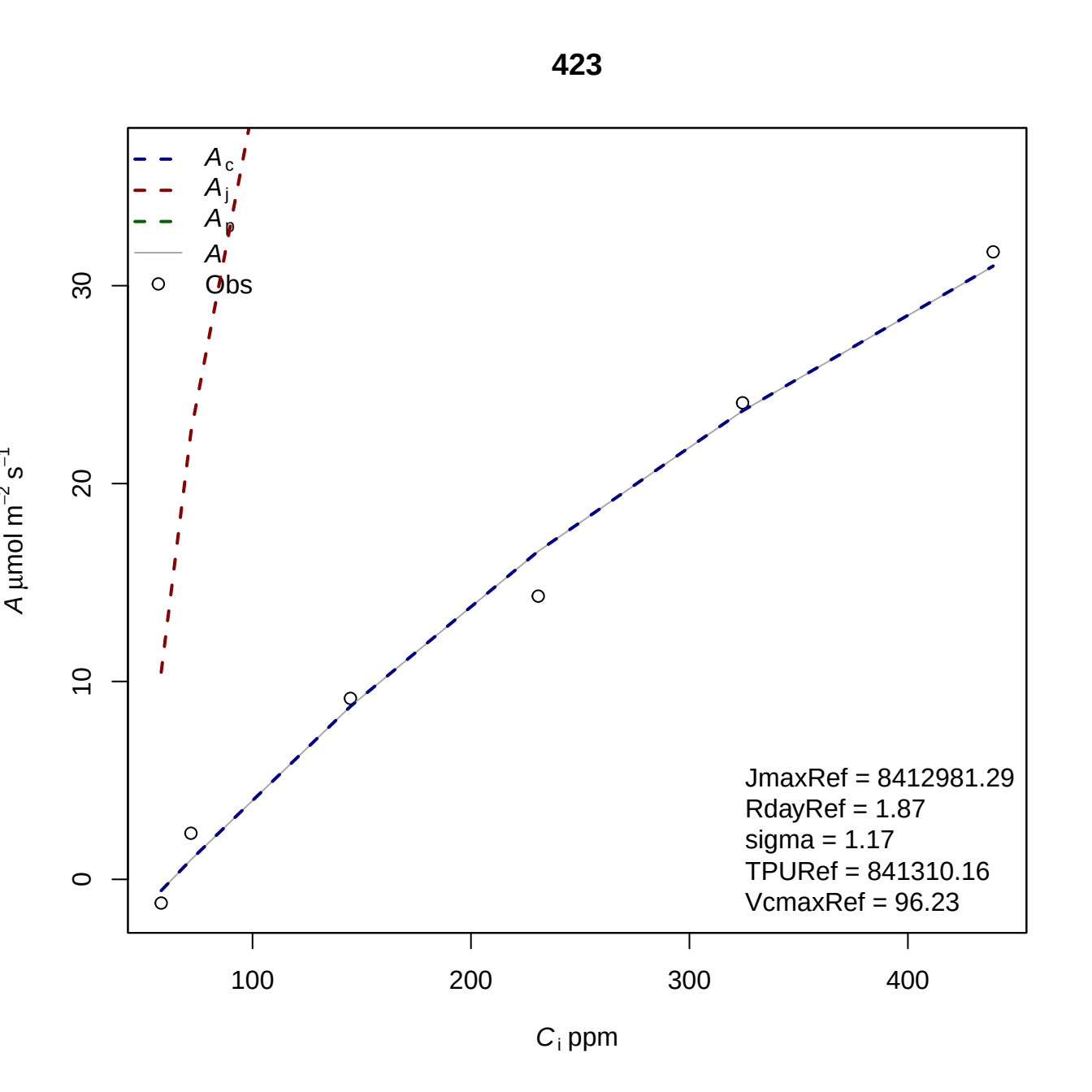

418
A_c
A_j
A_p
A
Obs
JmaxRef = 308.05
RdayRef = 0.17
sigma = 0.96
TPURef = 31.12
VcmaxRef = 131.71
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

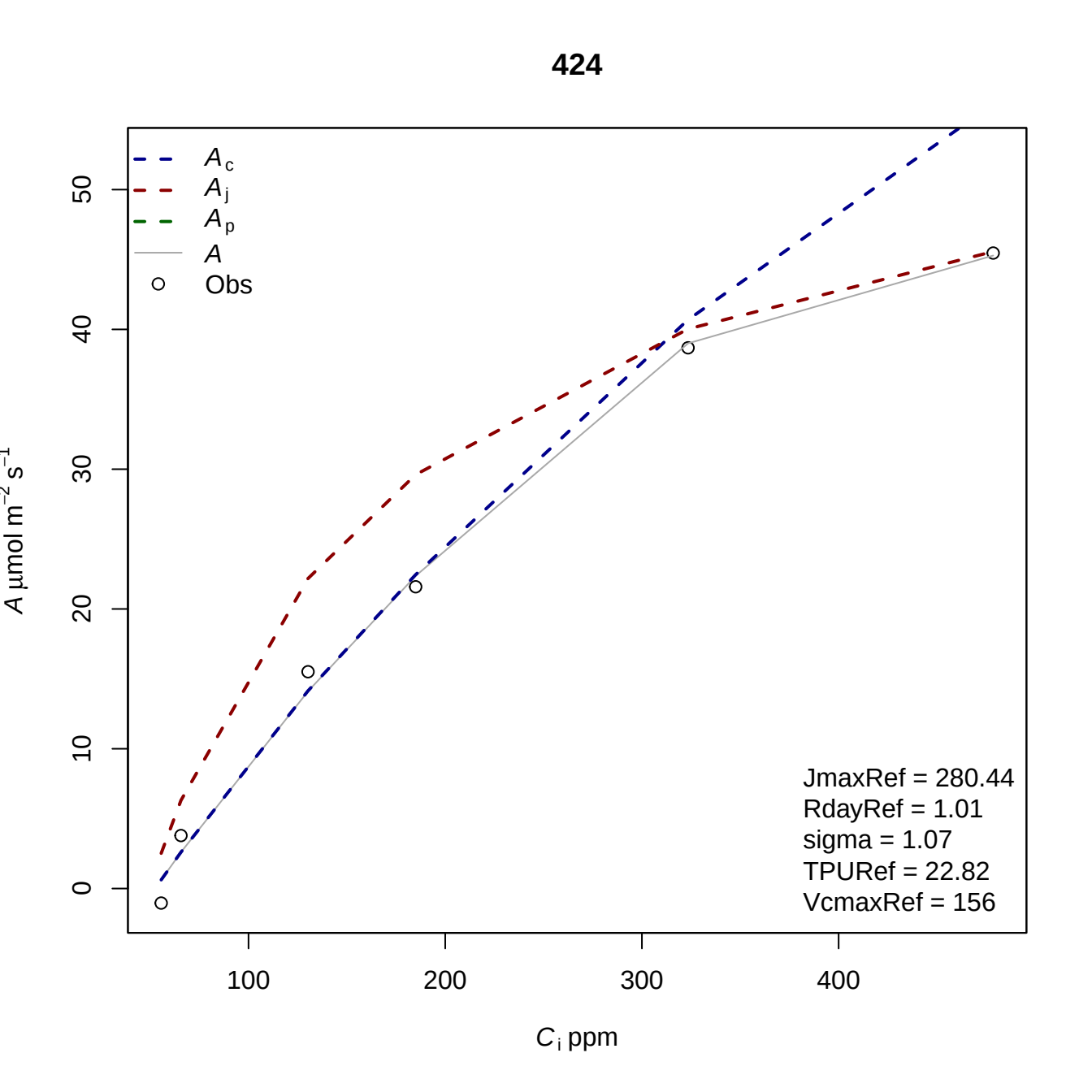

419
A_c
A_j
A_p
A
Obs
JmaxRef = 280.51
RdayRef = 0.5
sigma = 0.72
TPURef = 17.65
VcmaxRef = 128.67
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

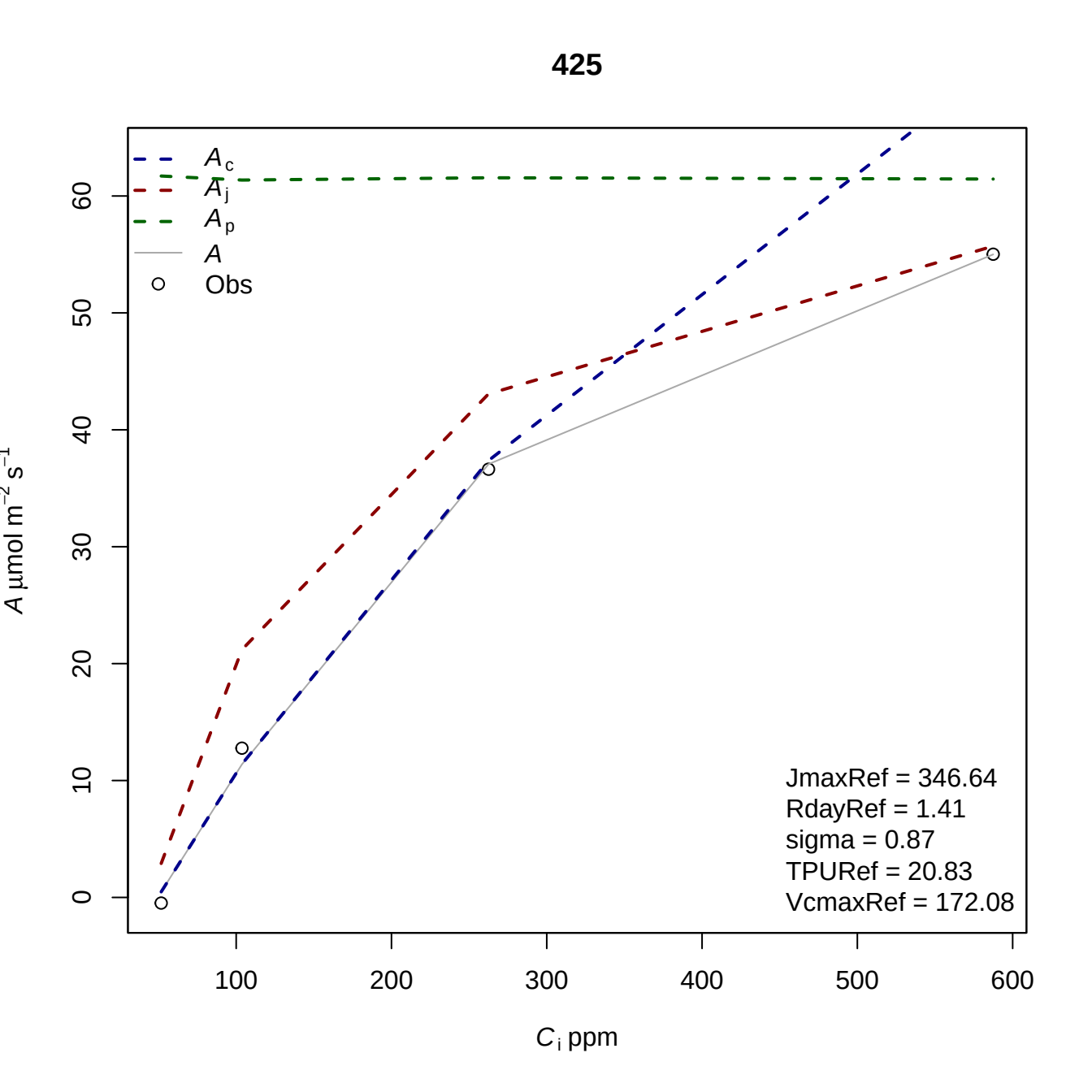

420
A_c
A_j
A_p
A
Obs
JmaxRef = 348.01
RdayRef = 0.5
sigma = 1.26
TPURef = 3554.7
VcmaxRef = 143.91
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

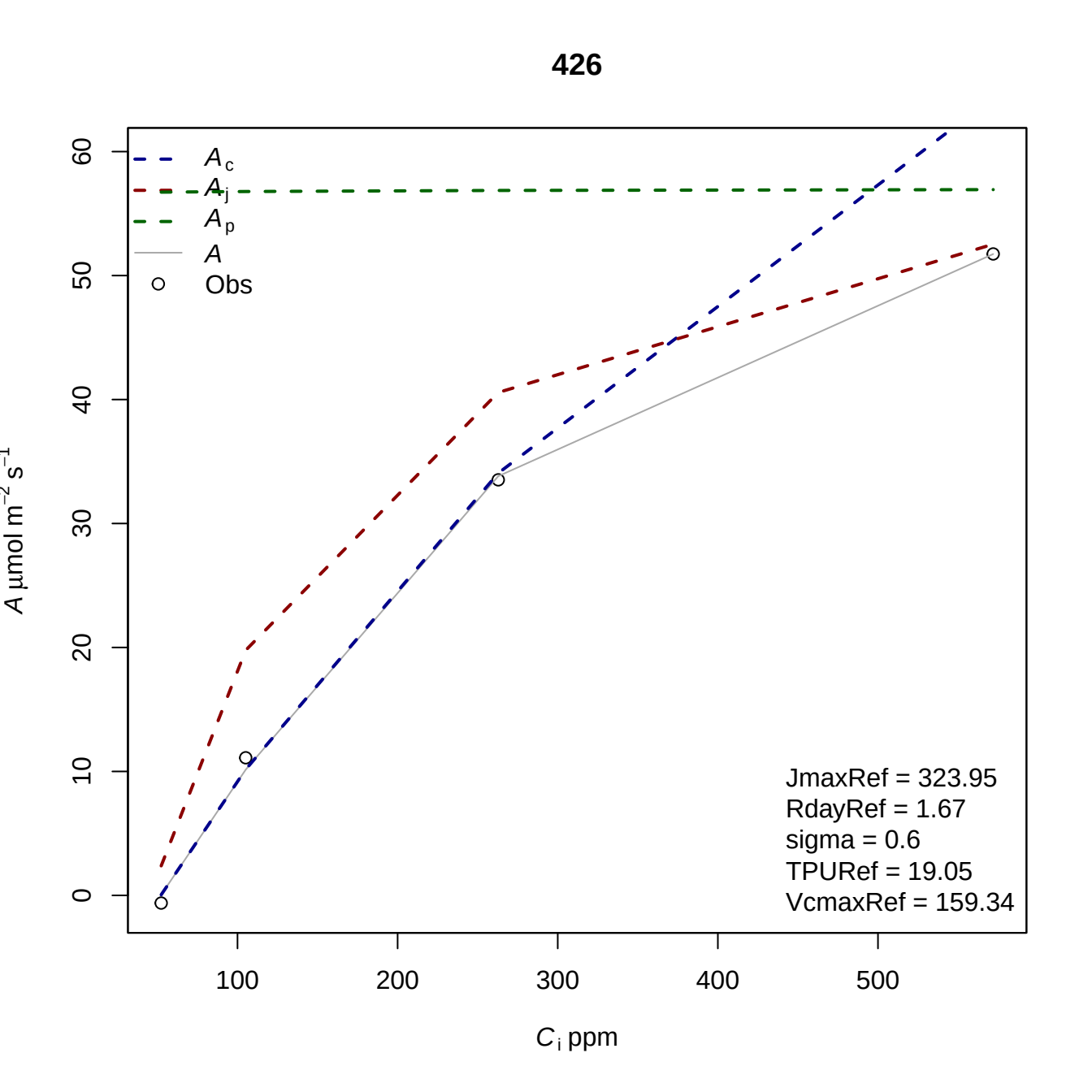

421
A_c
A_j
A_p
A
Obs
JmaxRef = 231.44
RdayRef = 1.04
sigma = 1.07
TPURef = 13.17
VcmaxRef = 105.42
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

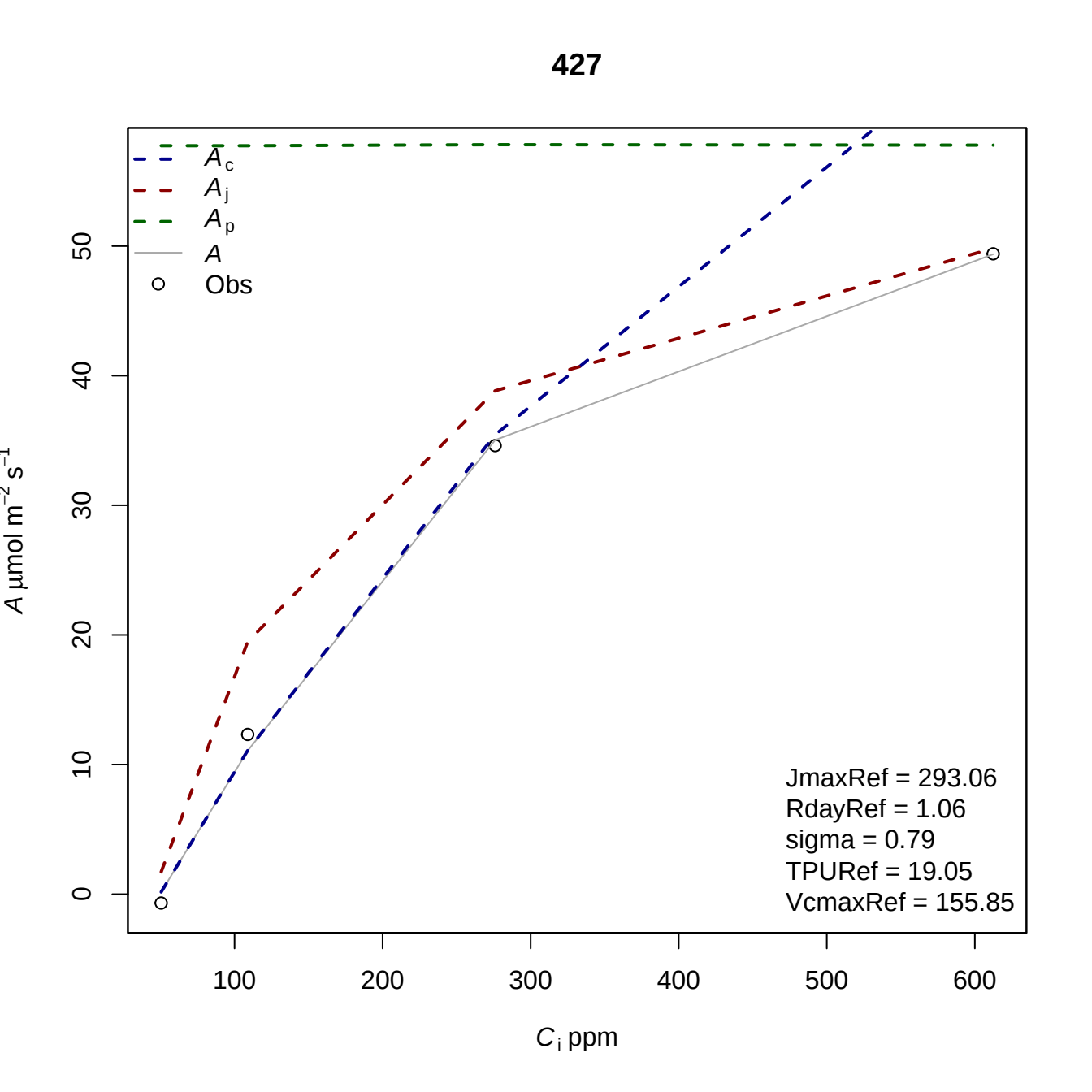

422
A_c
A_j
A_p
A
Obs
JmaxRef = 289.5
RdayRef = 1.29
sigma = 1.38
TPURef = 18.57
VcmaxRef = 147.18
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

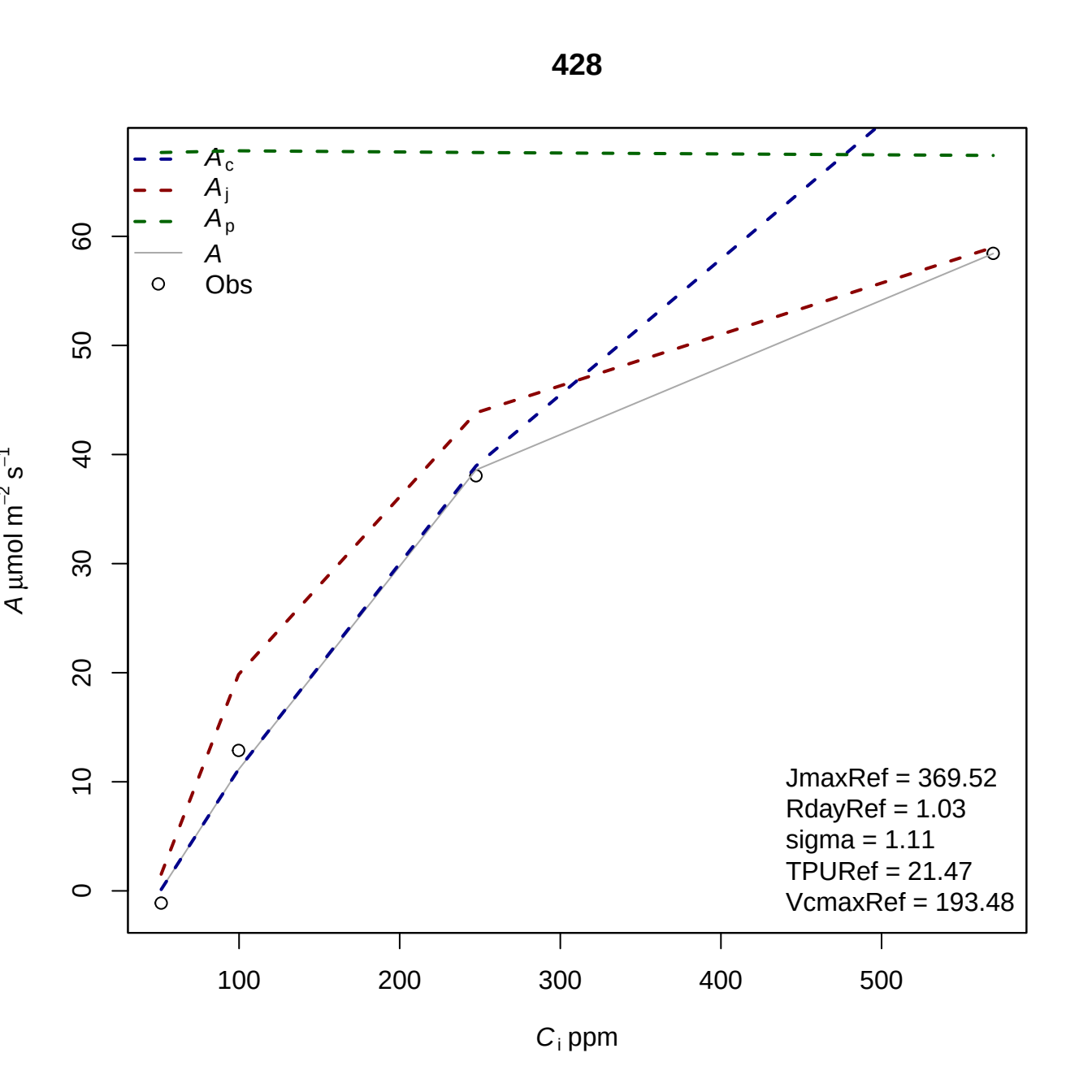

423
A_c
A_j
A_p
A
Obs
JmaxRef = 8412981.29
RdayRef = 1.87
sigma = 1.17
TPURef = 841310.16
VcmaxRef = 96.23
0
10
20
30
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

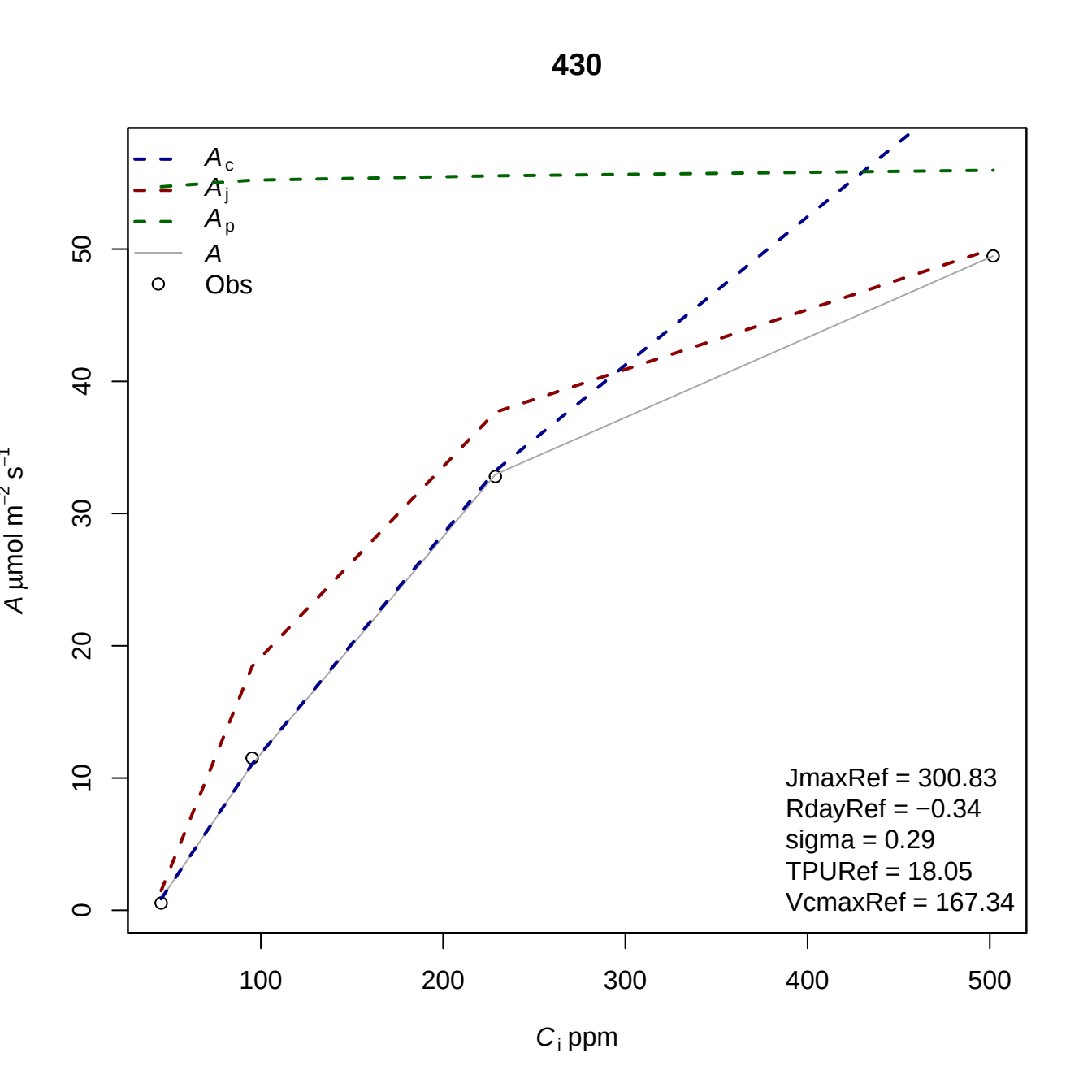

424
A_c
A_j
A_p
A
Obs
JmaxRef = 280.44
RdayRef = 1.01
sigma = 1.07
TPURef = 22.82
VcmaxRef = 156
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

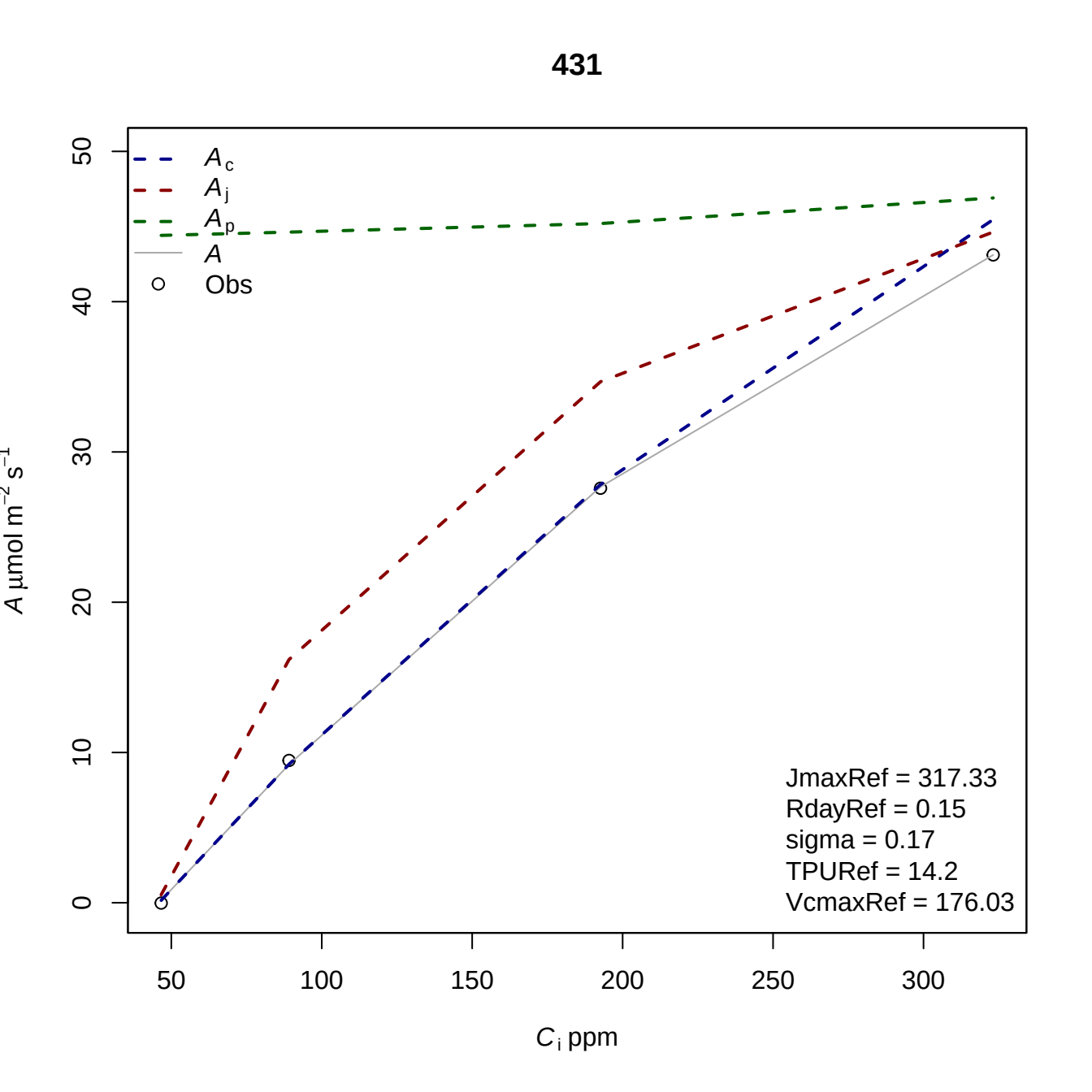

425
A_c
A_j
A_p
A
Obs
JmaxRef = 346.64
RdayRef = 1.41
sigma = 0.87
TPURef = 20.83
VcmaxRef = 172.08
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

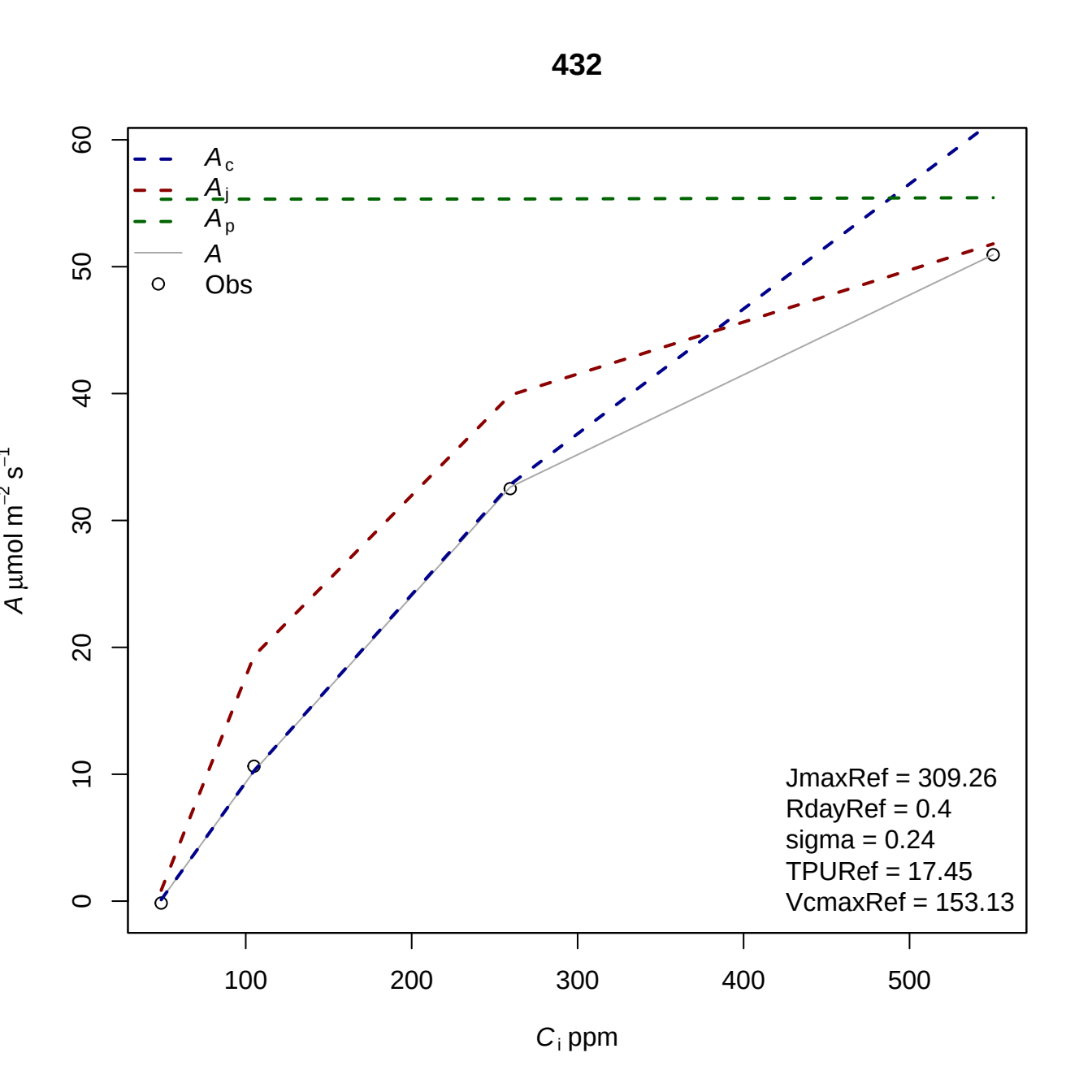

426
A_c
A_j
A_p
A
Obs
JmaxRef = 323.95
RdayRef = 1.67
sigma = 0.6
TPURef = 19.05
VcmaxRef = 159.34
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

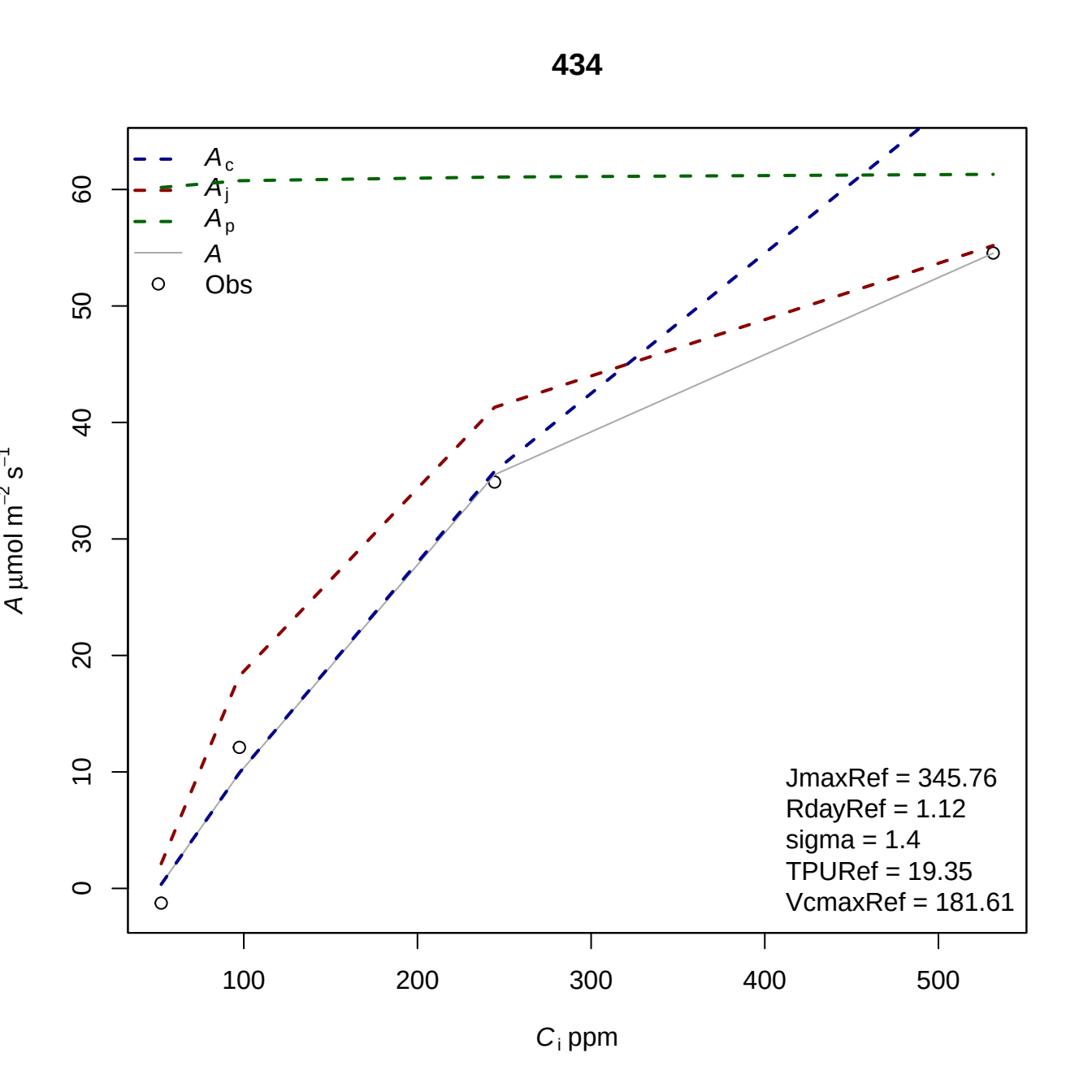

427
A_c
A_j
A_p
A
Obs
JmaxRef = 293.06
RdayRef = 1.06
sigma = 0.79
TPURef = 19.05
VcmaxRef = 155.85
0
10
20
30
40
50
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

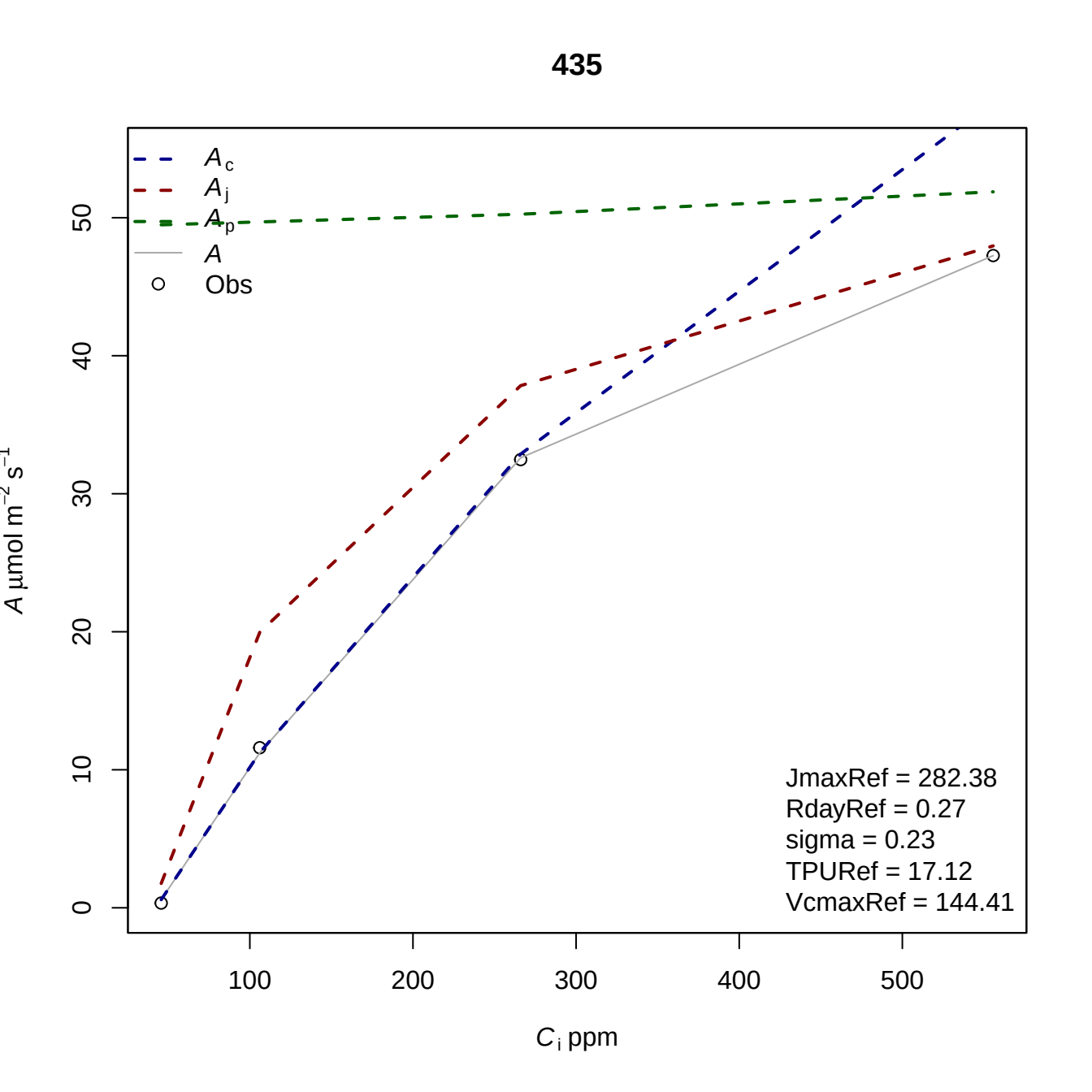

428
A_c
A_j
A_p
A
Obs
JmaxRef = 369.52
RdayRef = 1.03
sigma = 1.11
TPURef = 21.47
VcmaxRef = 193.48
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

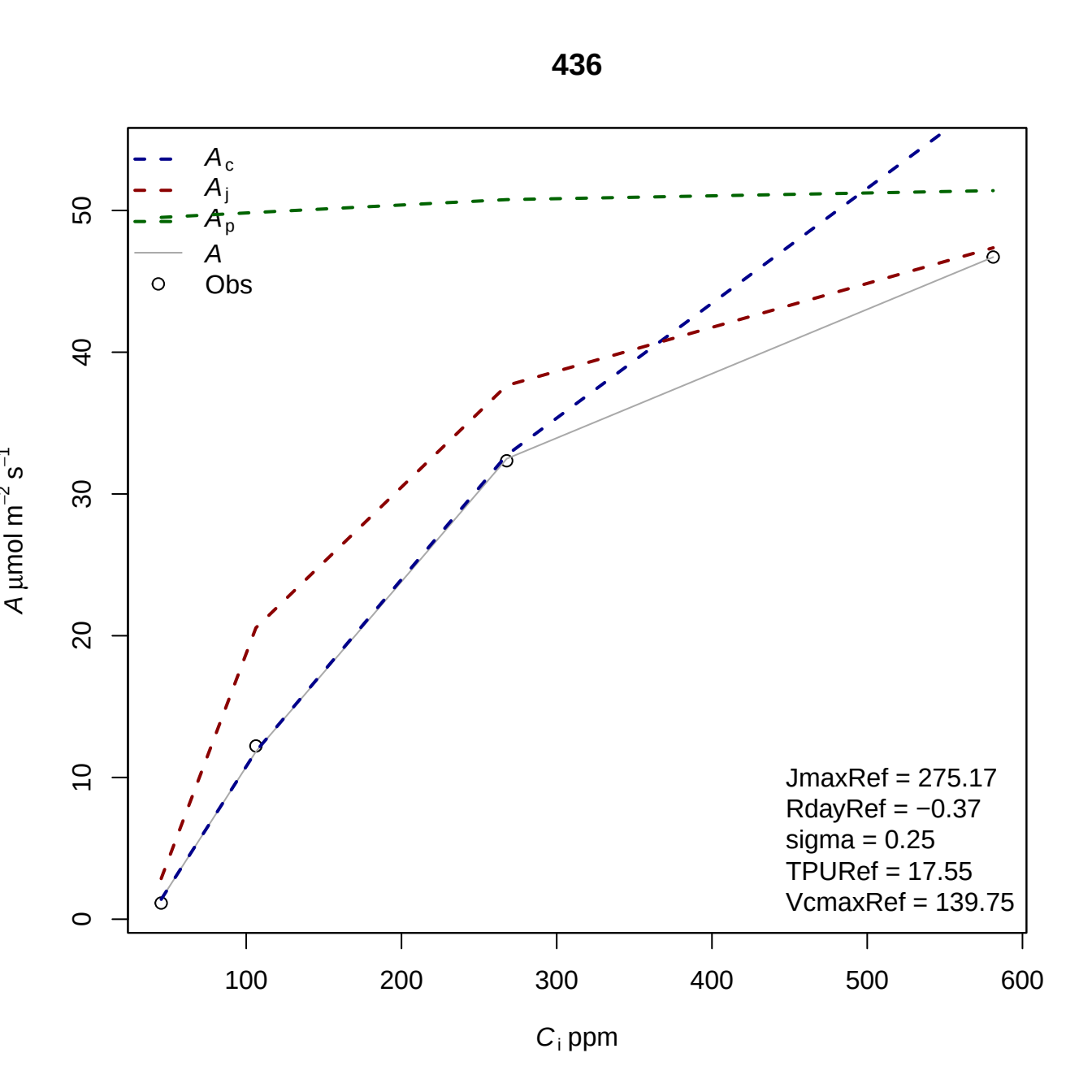

430
A_c
A_j
A_p
A
Obs
JmaxRef = 300.83
RdayRef = −0.34
sigma = 0.29
TPURef = 18.05
VcmaxRef = 167.34
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

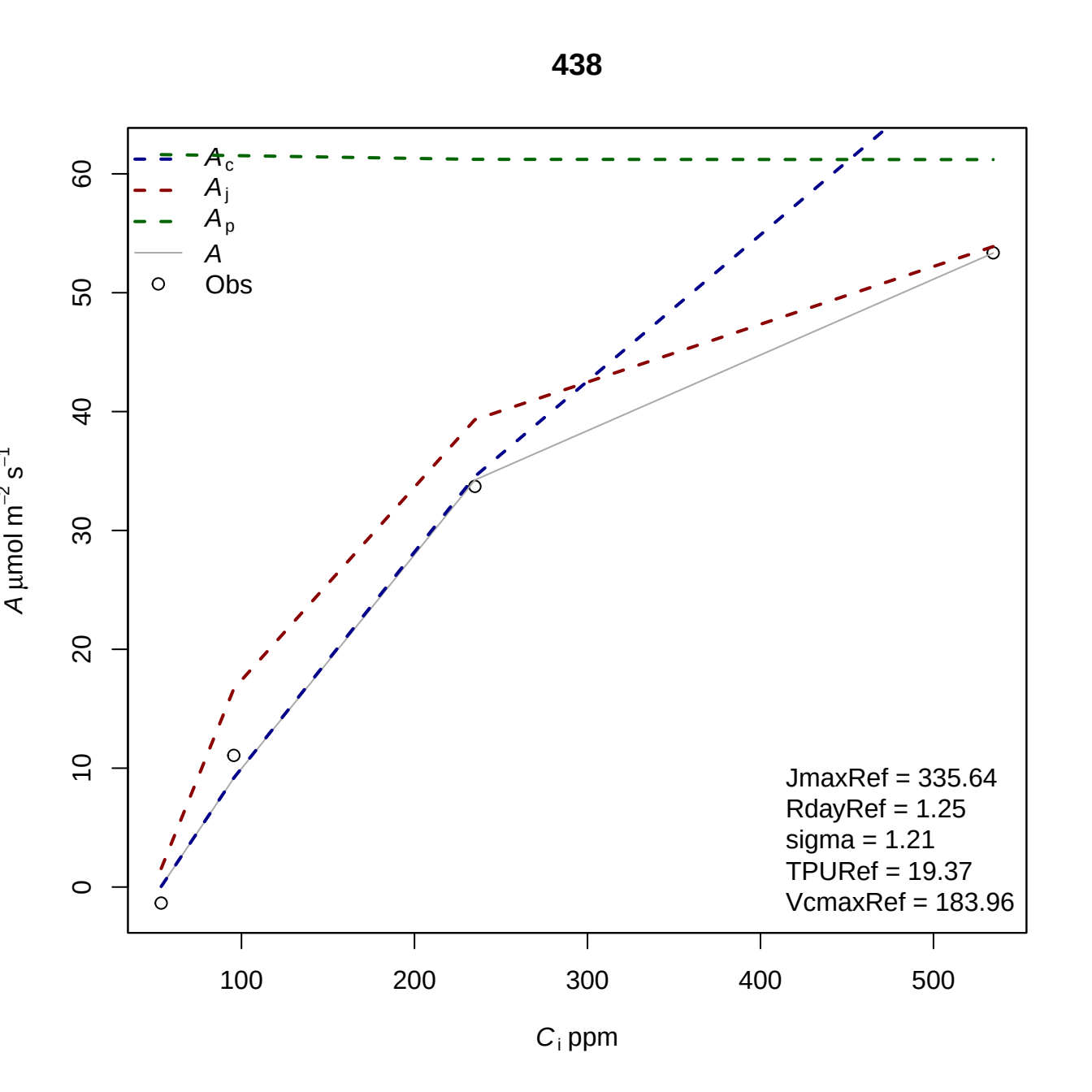

431
A_c
A_j
A_p
A
Obs
JmaxRef = 317.33
RdayRef = 0.15
sigma = 0.17
TPURef = 14.2
VcmaxRef = 176.03
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
50
100
150
200
250
300

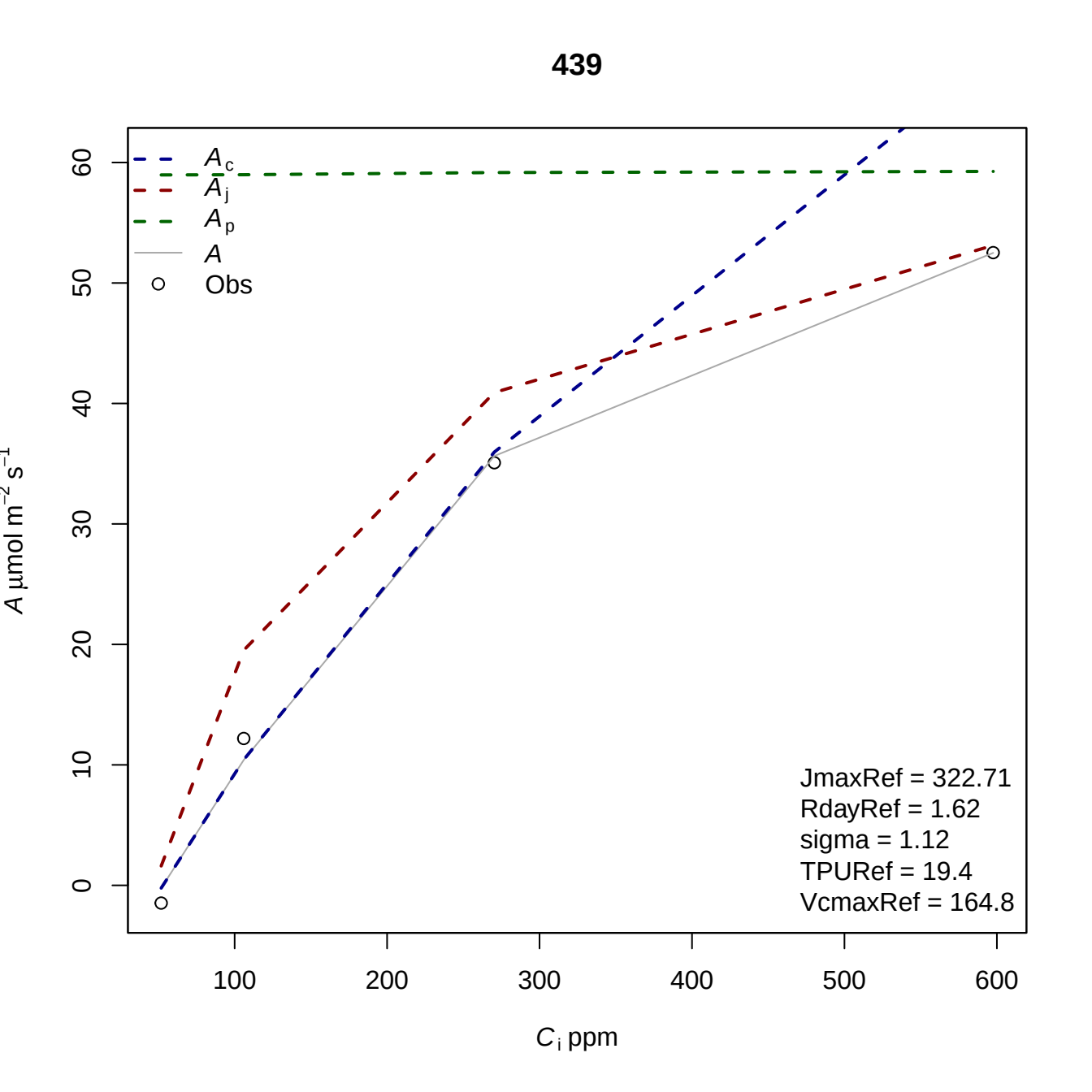

432
A_c
A_j
A_p
A
Obs
JmaxRef = 309.26
RdayRef = 0.4
sigma = 0.24
TPURef = 17.45
VcmaxRef = 153.13
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

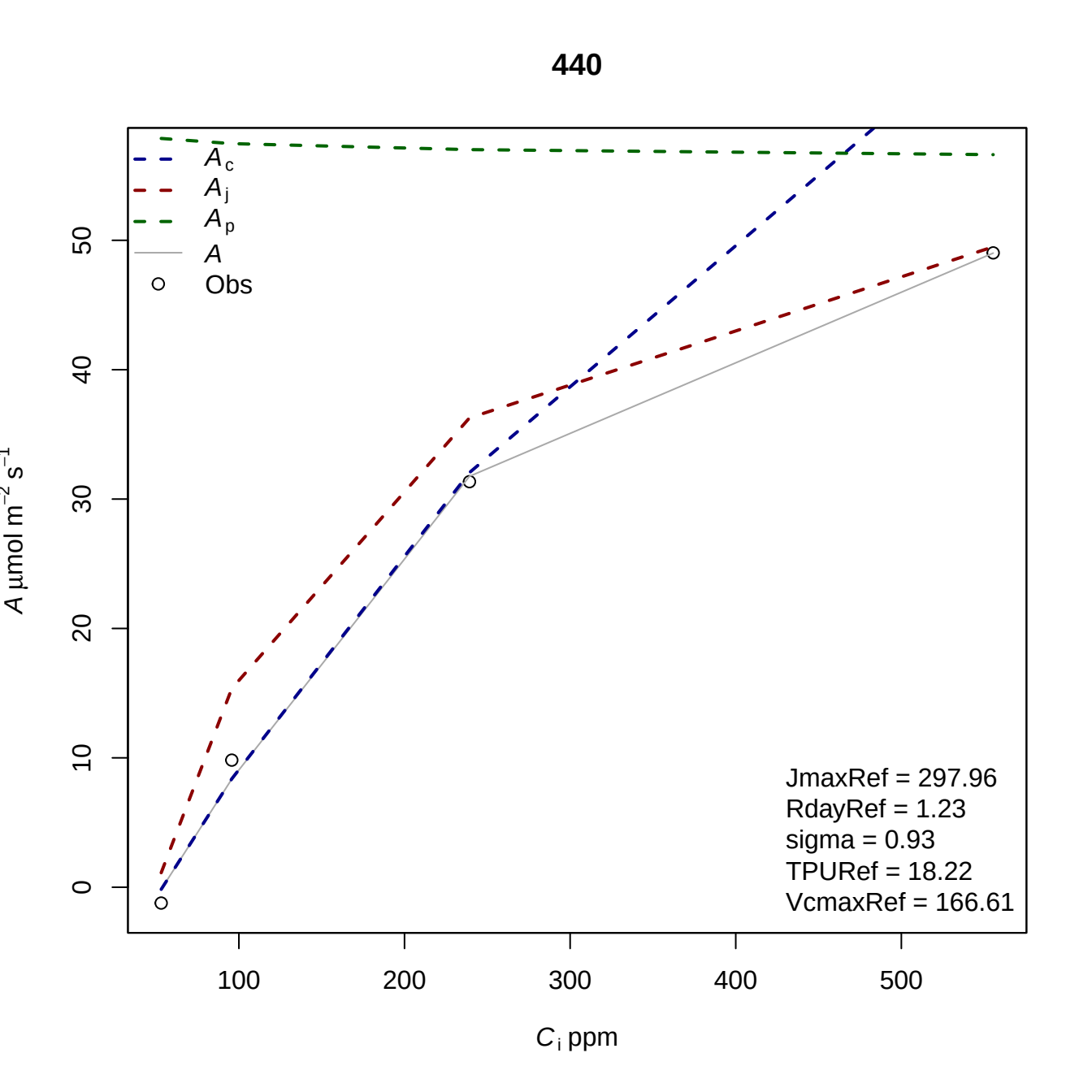

434
A_c
A_j
A_p
A
Obs
JmaxRef = 345.76
RdayRef = 1.12
sigma = 1.4
TPURef = 19.35
VcmaxRef = 181.61
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
60
100
200
300
400
500
C_i ppm

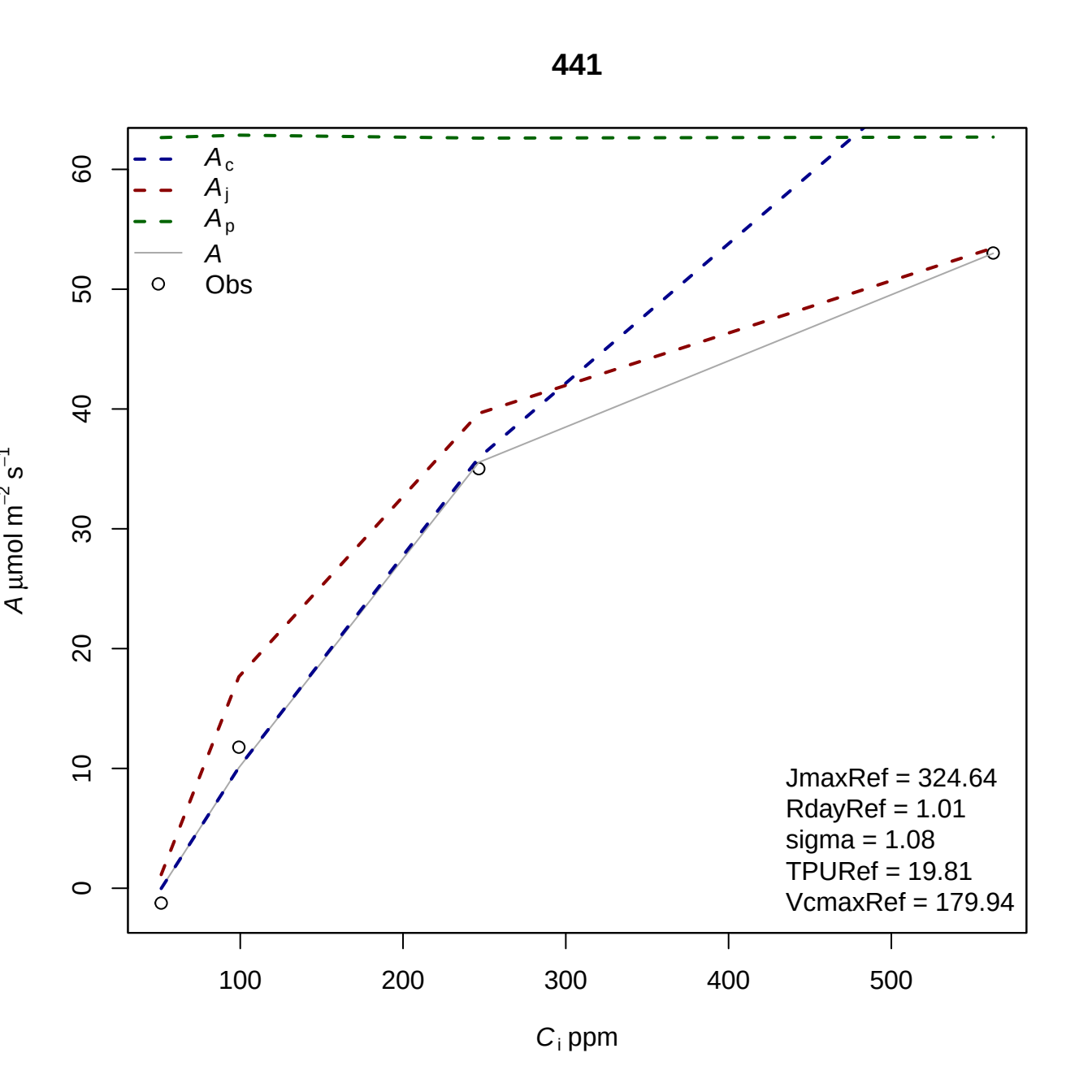

435
A_c
A_j
A_p
A
Obs
JmaxRef = 282.38
RdayRef = 0.27
sigma = 0.23
TPURef = 17.12
VcmaxRef = 144.41
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

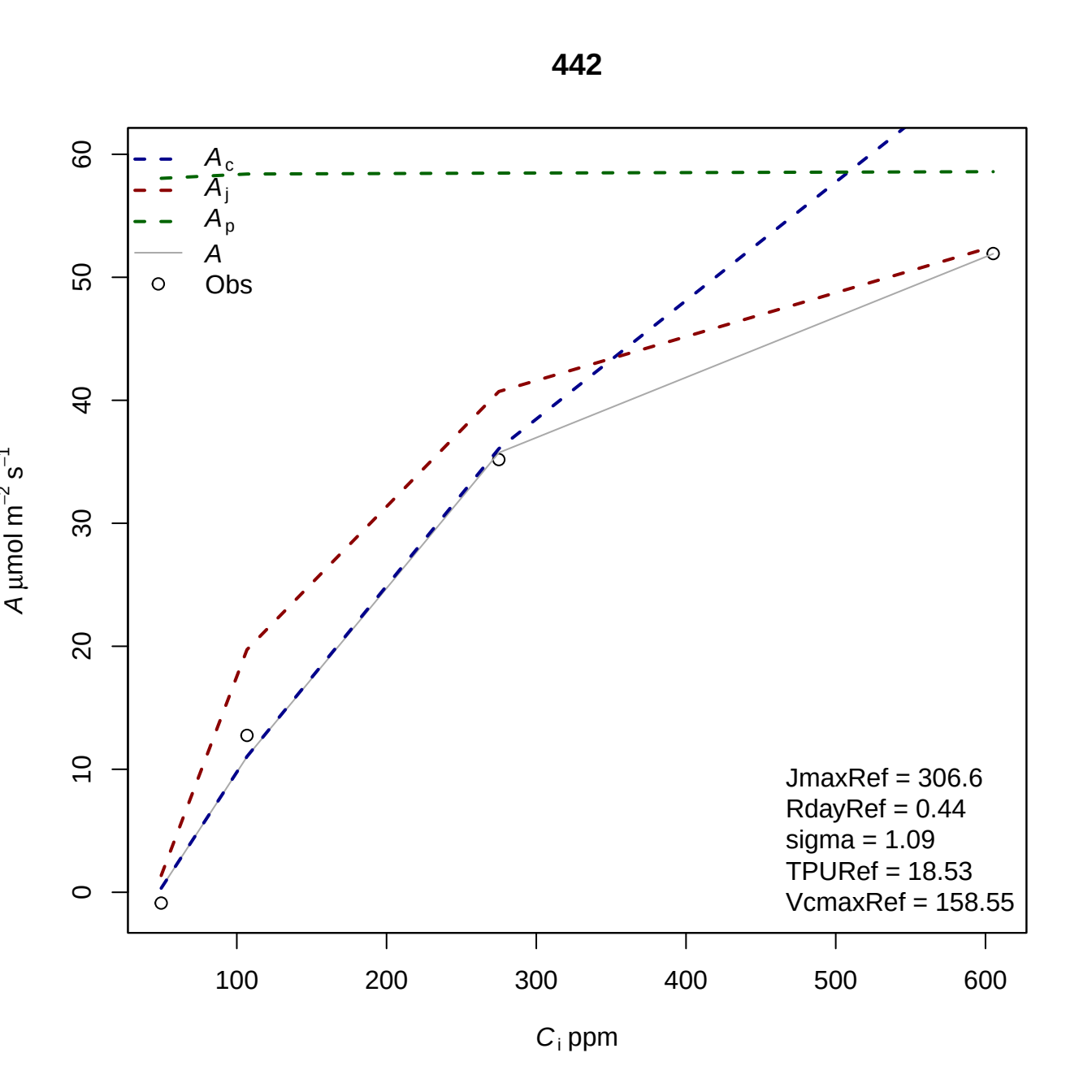

436
A_c
A_j
A_p
A
Obs
JmaxRef = 275.17
RdayRef = −0.37
sigma = 0.25
TPURef = 17.55
VcmaxRef = 139.75
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

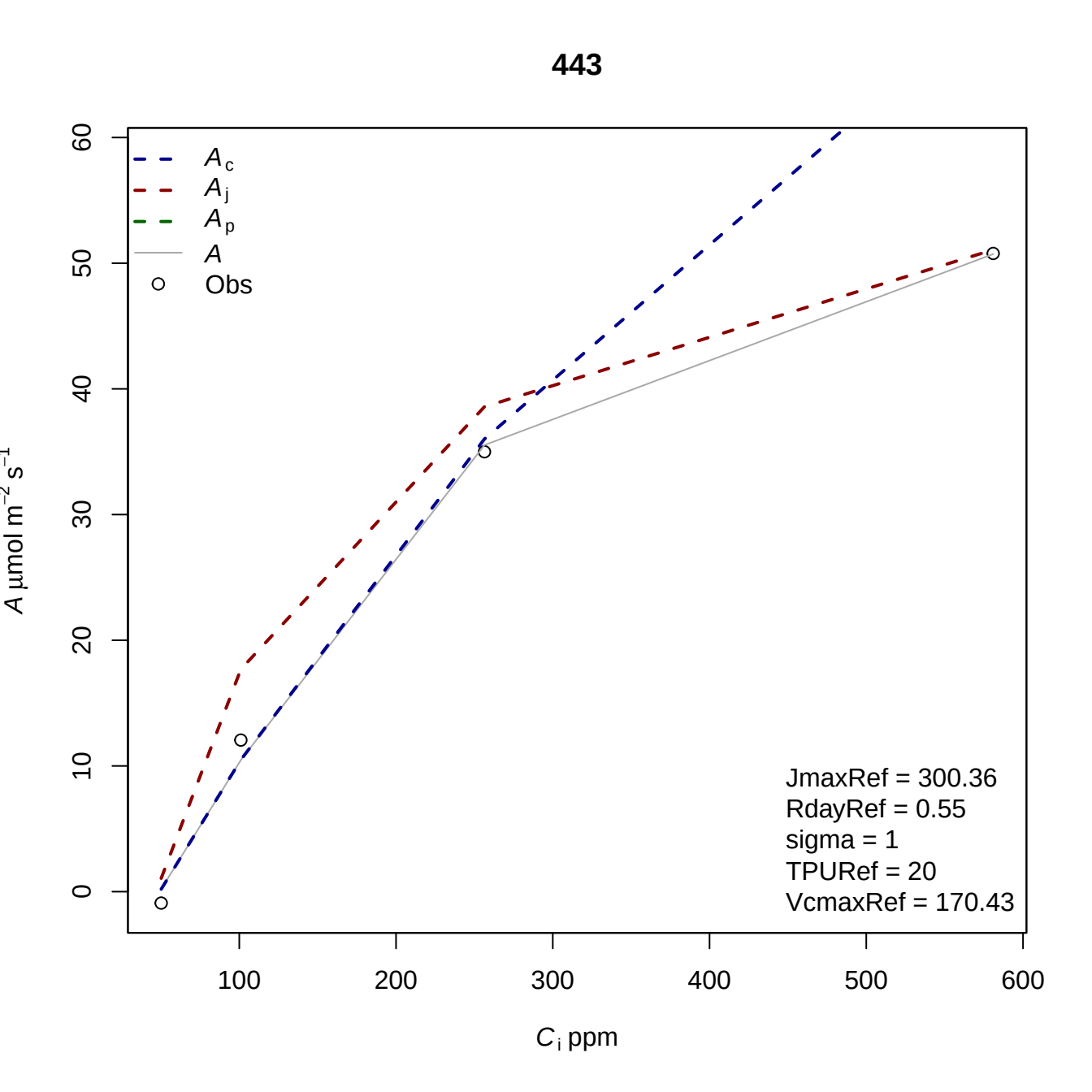

438
A_c
A_j
A_p
A
Obs
JmaxRef = 335.64
RdayRef = 1.25
sigma = 1.21
TPURef = 19.37
VcmaxRef = 183.96
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

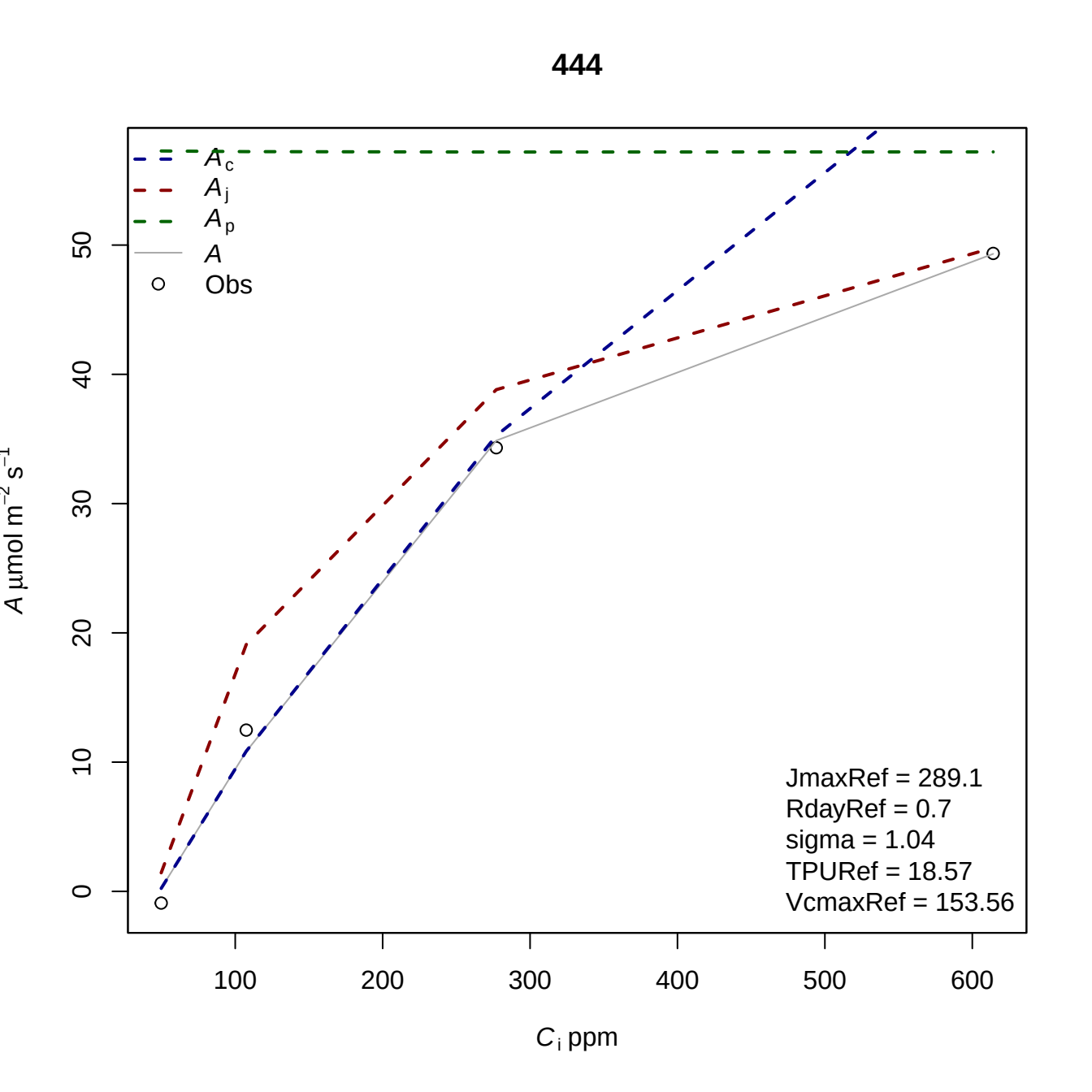

439
A_c
A_j
A_p
A
Obs
JmaxRef = 322.71
RdayRef = 1.62
sigma = 1.12
TPURef = 19.4
VcmaxRef = 164.8
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

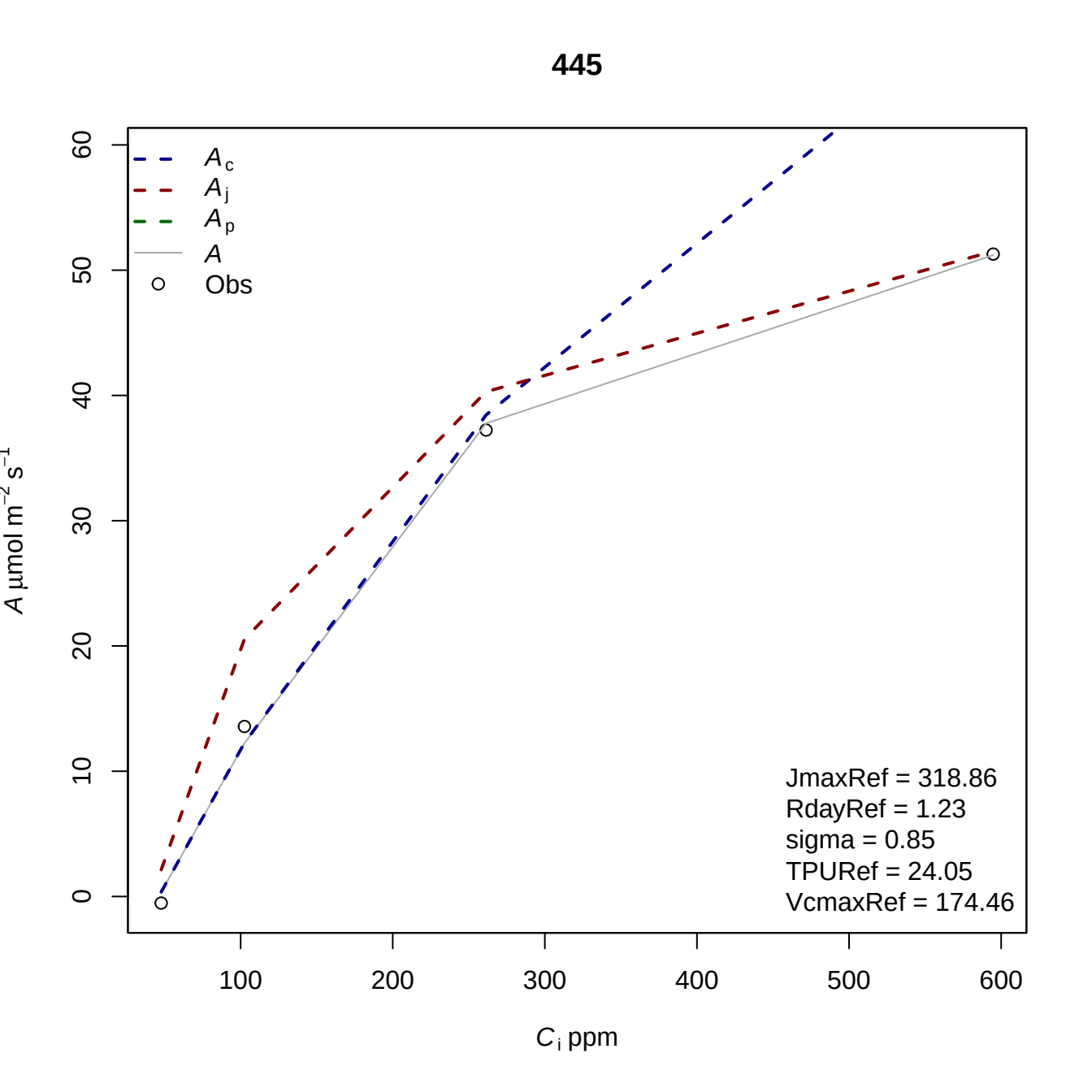

440
A_c
A_j
A_p
A
Obs
JmaxRef = 297.96
RdayRef = 1.23
sigma = 0.93
TPURef = 18.22
VcmaxRef = 166.61
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

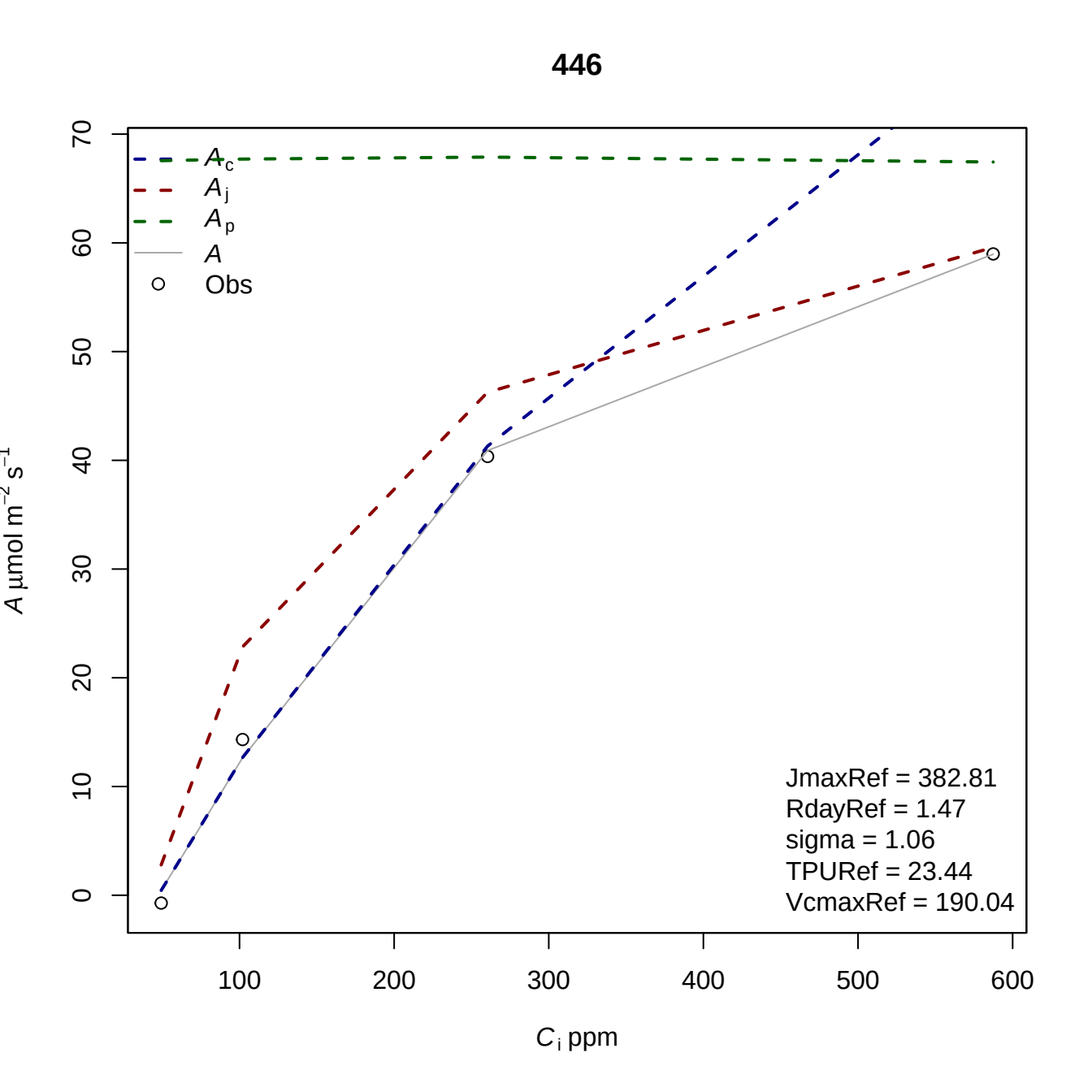

441
A_c
A_j
A_p
A
Obs
JmaxRef = 324.64
RdayRef = 1.01
sigma = 1.08
TPURef = 19.81
VcmaxRef = 179.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

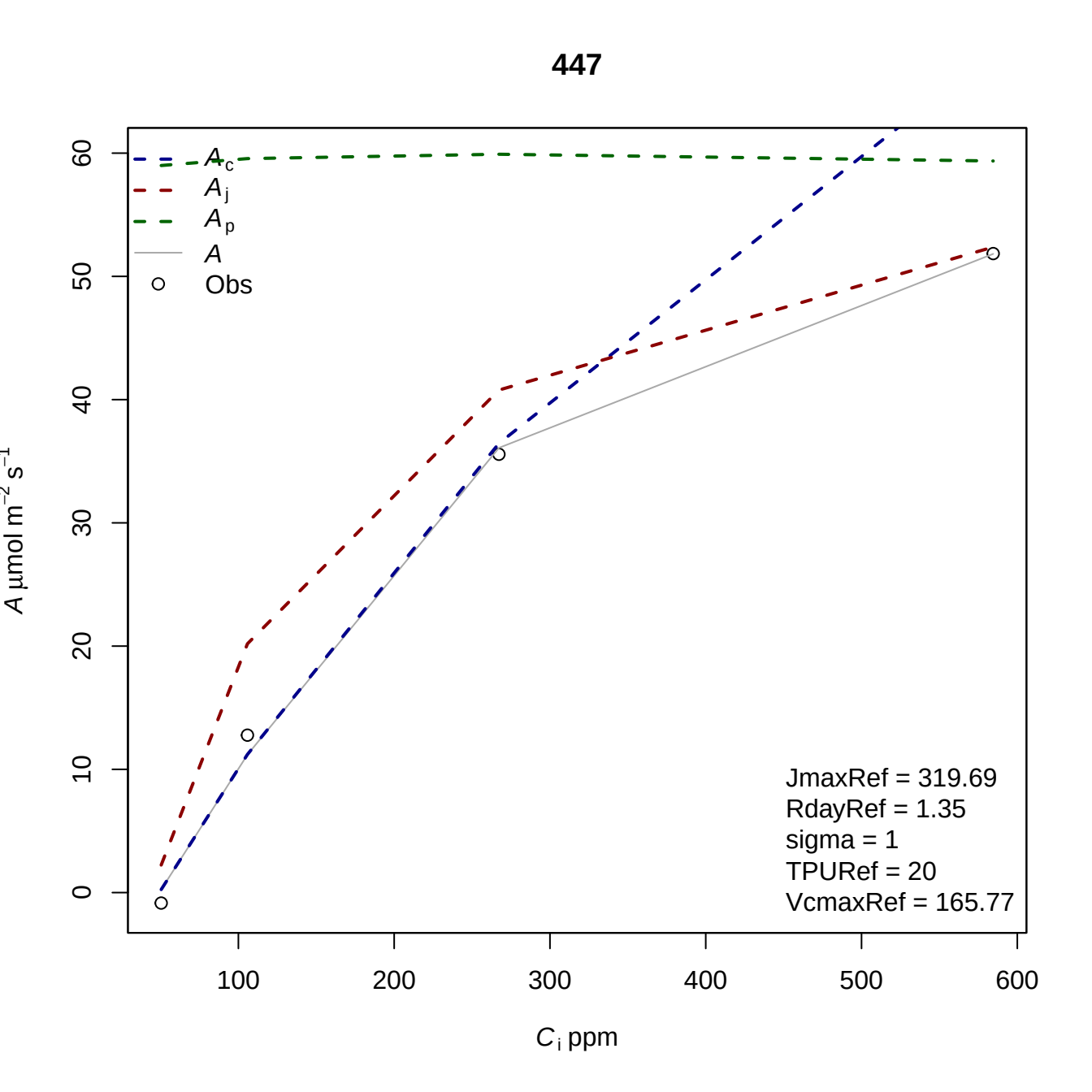

442
A_c
A_j
A_p
A
Obs
JmaxRef = 306.6
RdayRef = 0.44
sigma = 1.09
TPURef = 18.53
VcmaxRef = 158.55
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

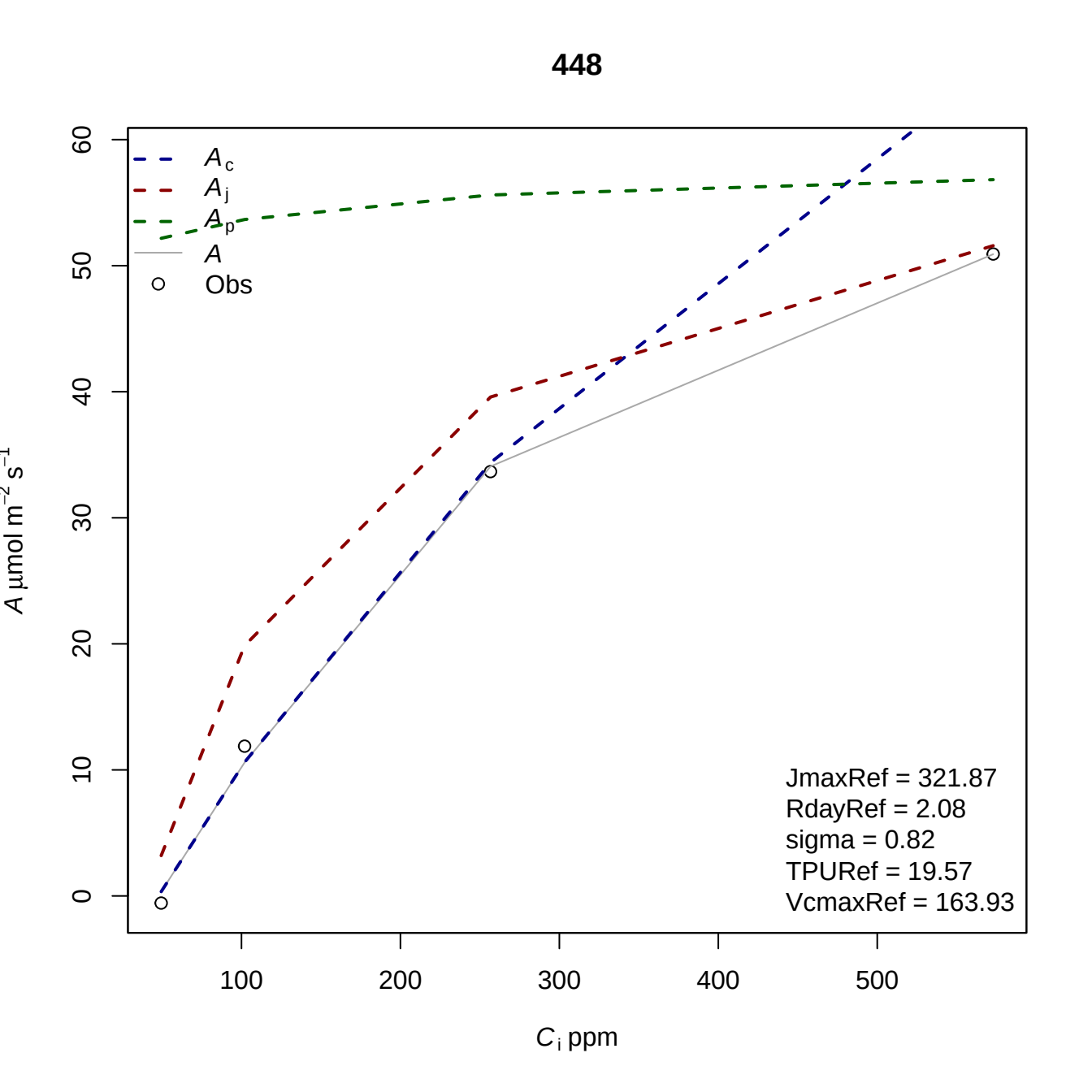

443
A_c
A_j
A_p
A
Obs
JmaxRef = 300.36
RdayRef = 0.55
sigma = 1
TPURef = 20
VcmaxRef = 170.43
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

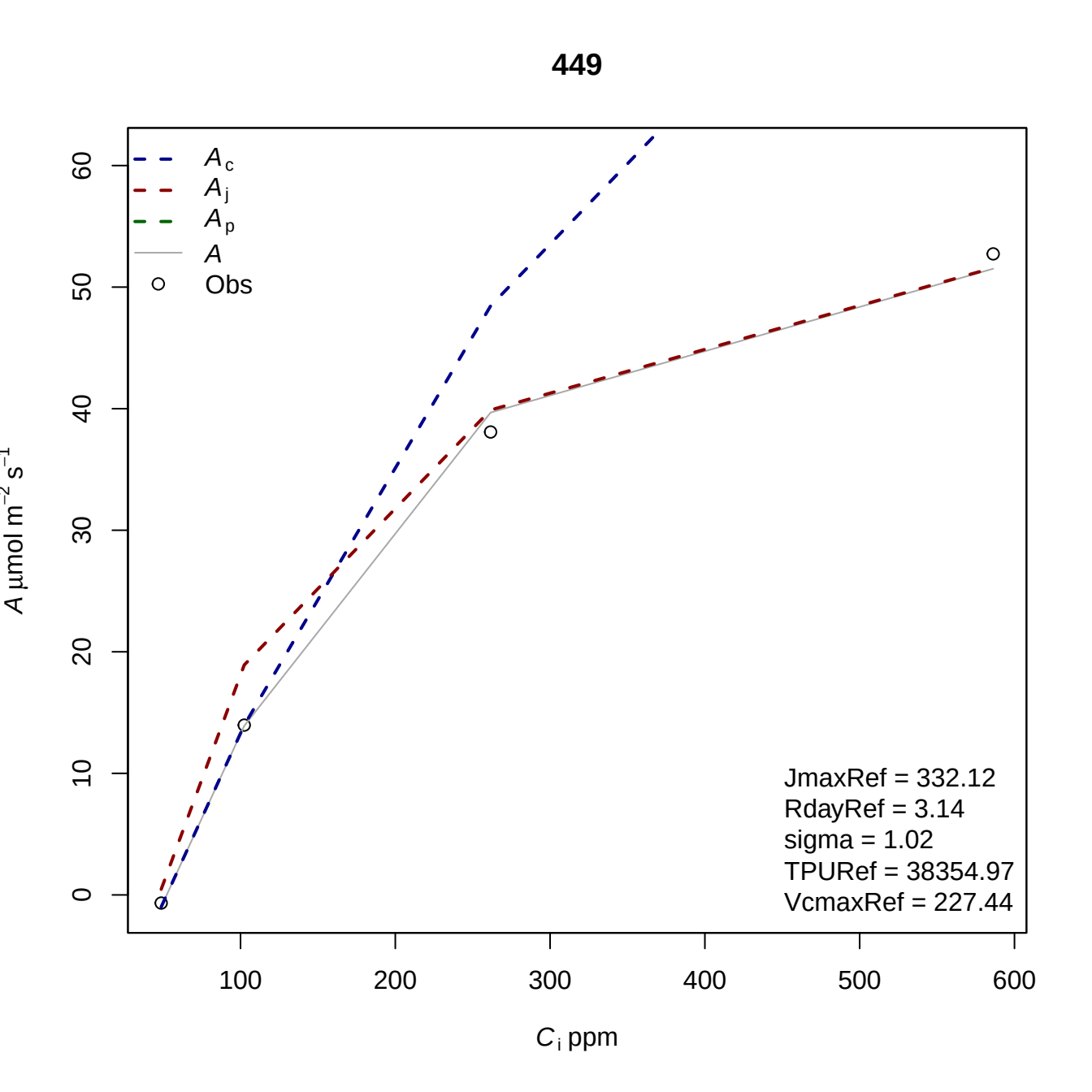

444
A_c
A_j
A_p
A
Obs
JmaxRef = 289.1
RdayRef = 0.7
sigma = 1.04
TPURef = 18.57
VcmaxRef = 153.56
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

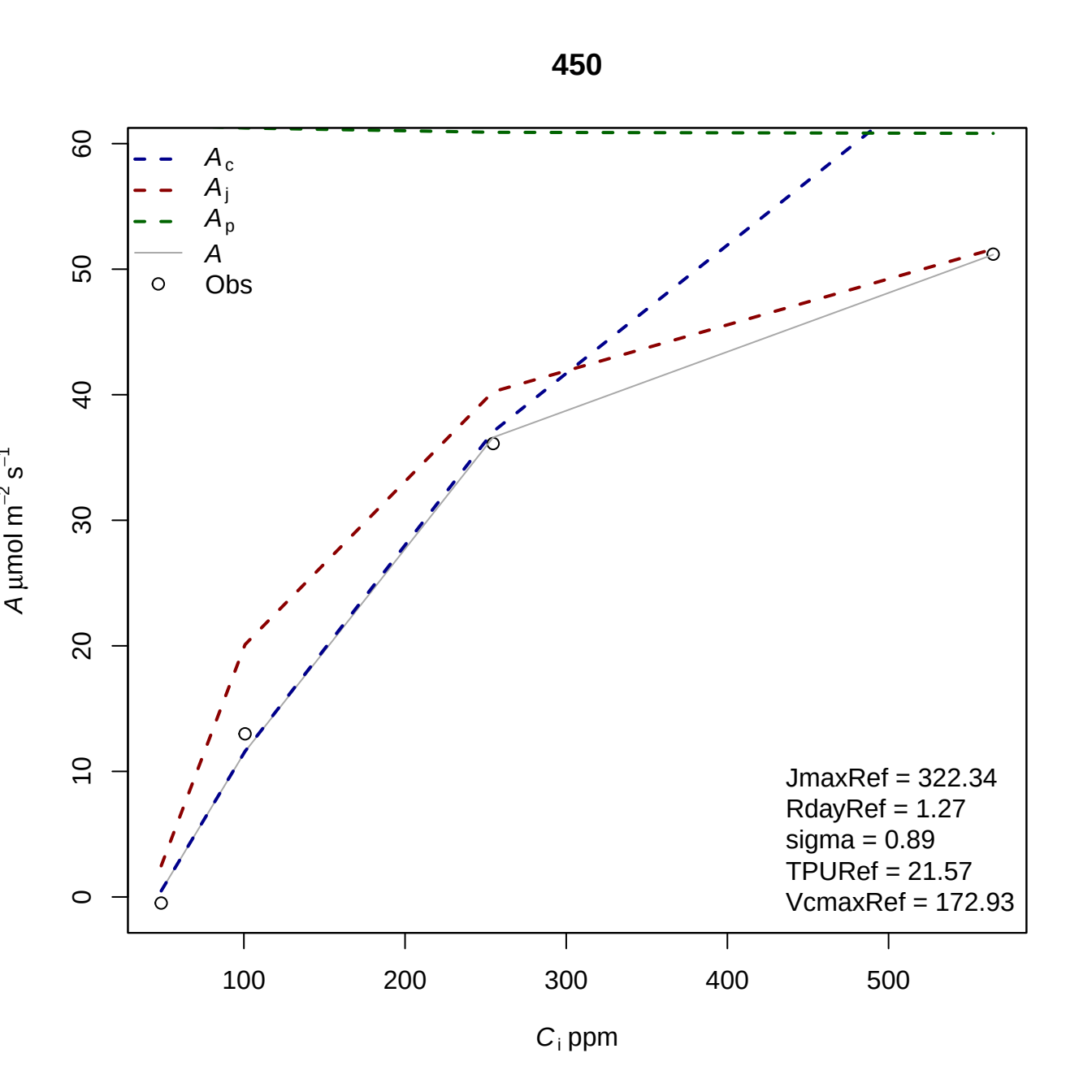

445
A_c
A_j
A_p
A
Obs
JmaxRef = 318.86
RdayRef = 1.23
sigma = 0.85
TPURef = 24.05
VcmaxRef = 174.46
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

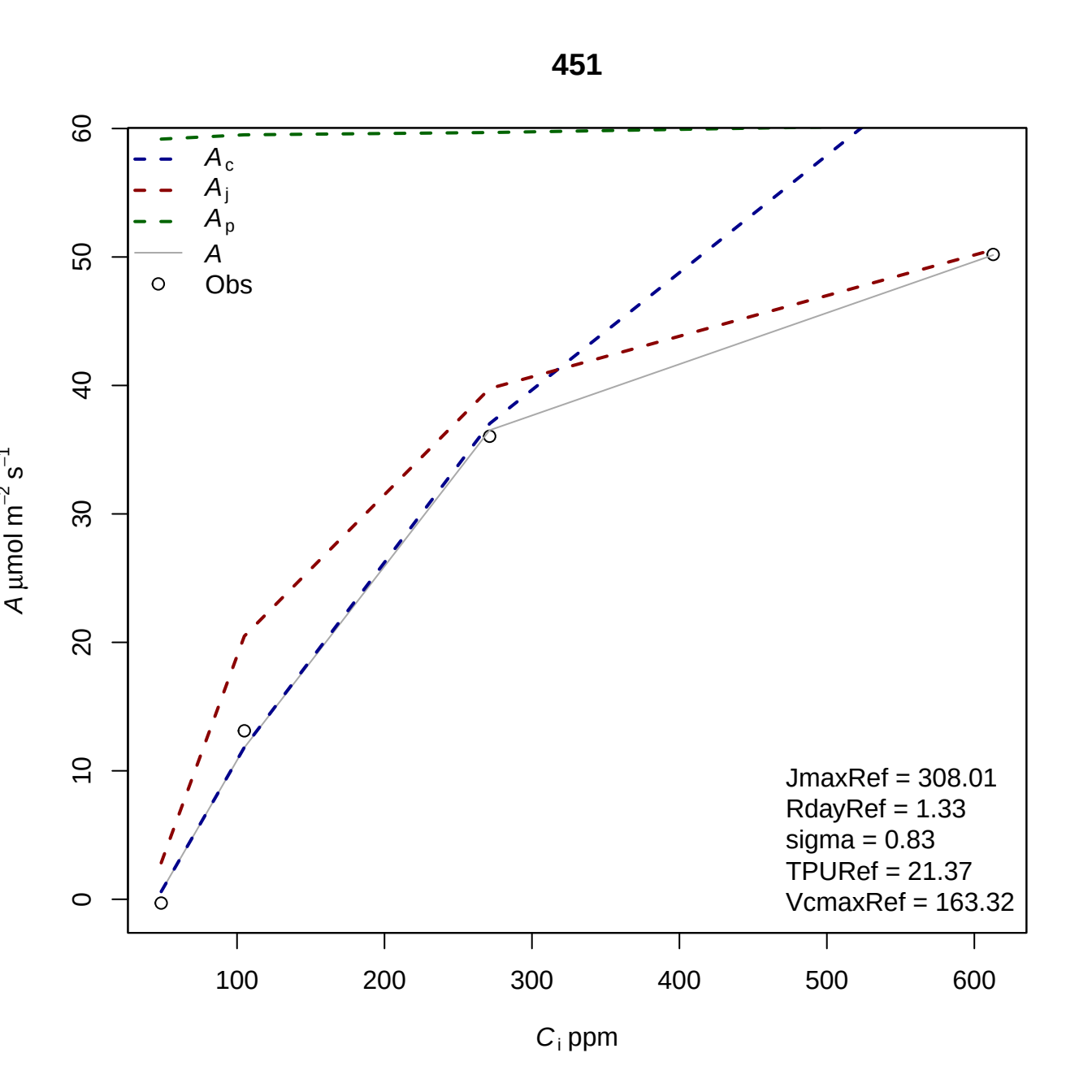

446
A_c
A_j
A_p
A
Obs
JmaxRef = 382.81
RdayRef = 1.47
sigma = 1.06
TPURef = 23.44
VcmaxRef = 190.04
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
70
100
200
300
400
500
600

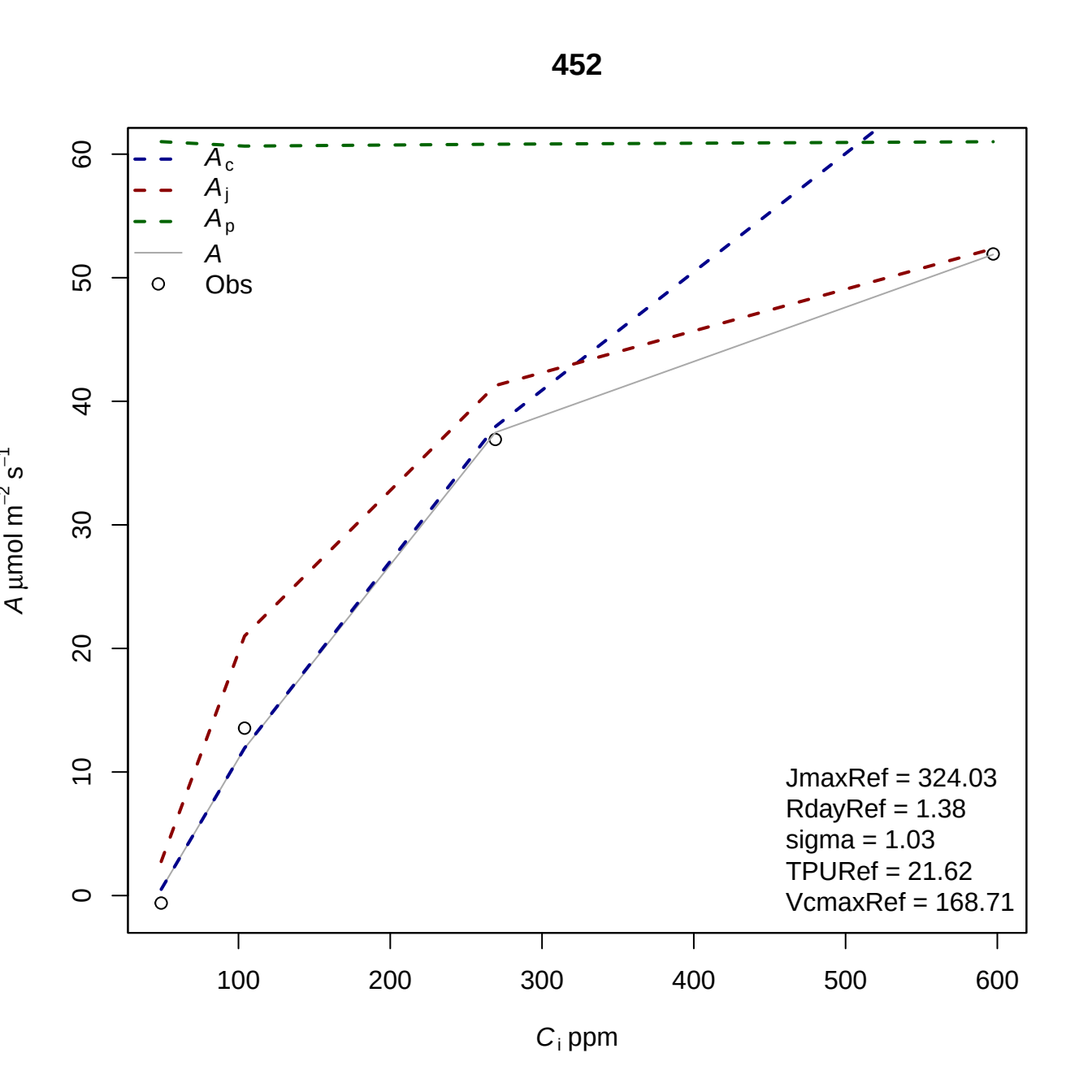

447
A_c
A_j
A_p
A
Obs
JmaxRef = 319.69
RdayRef = 1.35
sigma = 1
TPURef = 20
VcmaxRef = 165.77
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

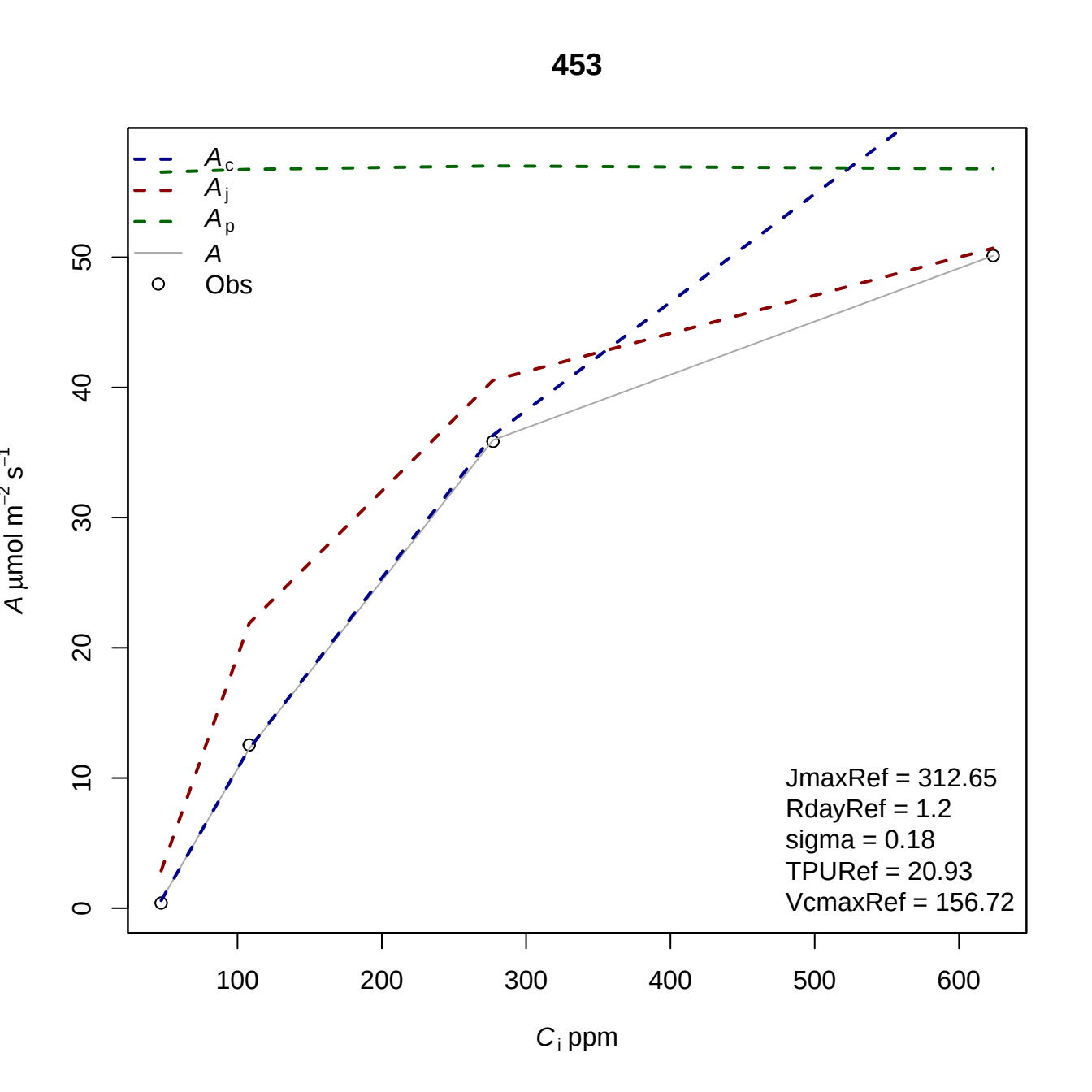

448
A_c
A_j
A_p
A
Obs
JmaxRef = 321.87
RdayRef = 2.08
sigma = 0.82
TPURef = 19.57
VcmaxRef = 163.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

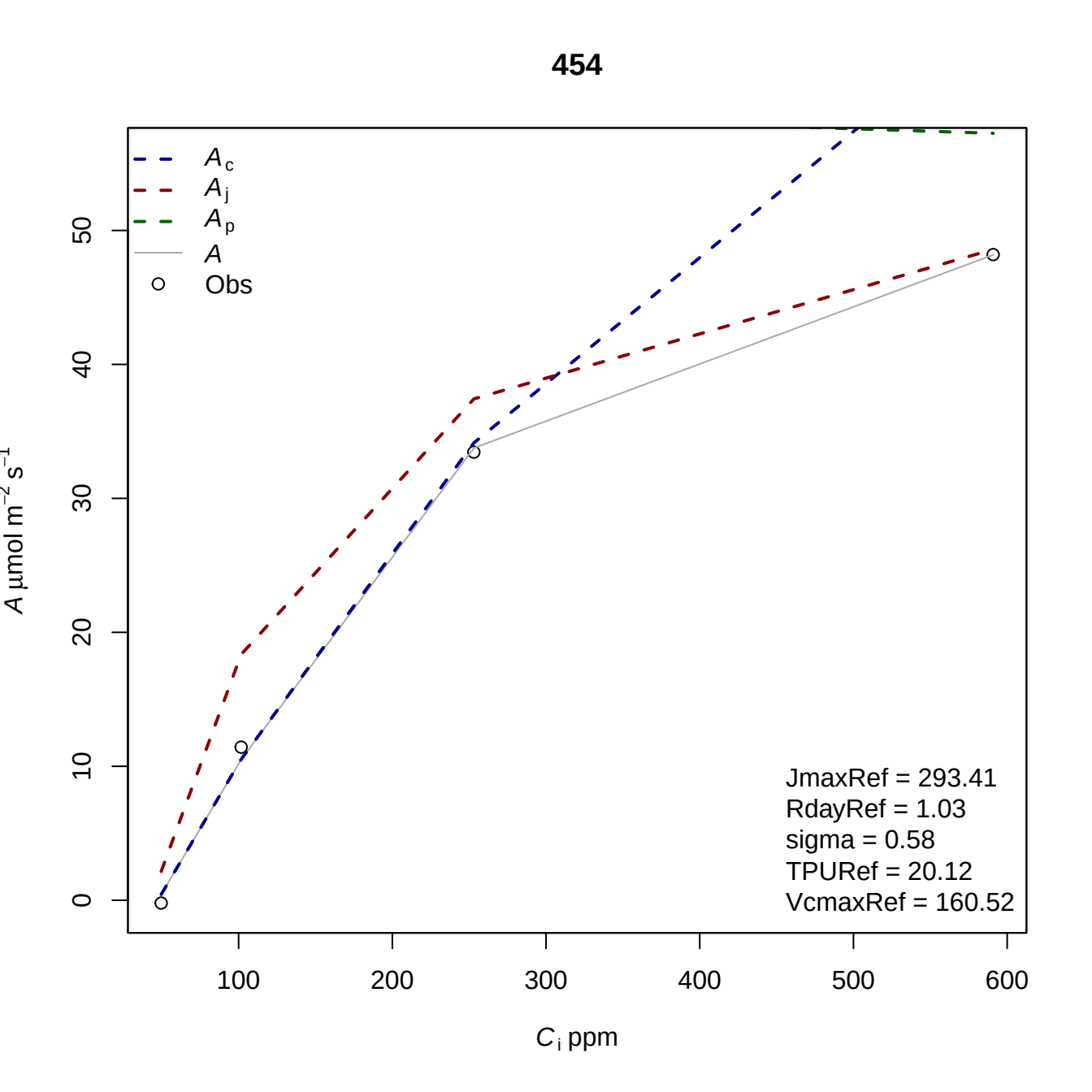

449
A_c
A_j
A_p
A
Obs
JmaxRef = 332.12
RdayRef = 3.14
sigma = 1.02
TPURef = 38354.97
VcmaxRef = 227.44
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

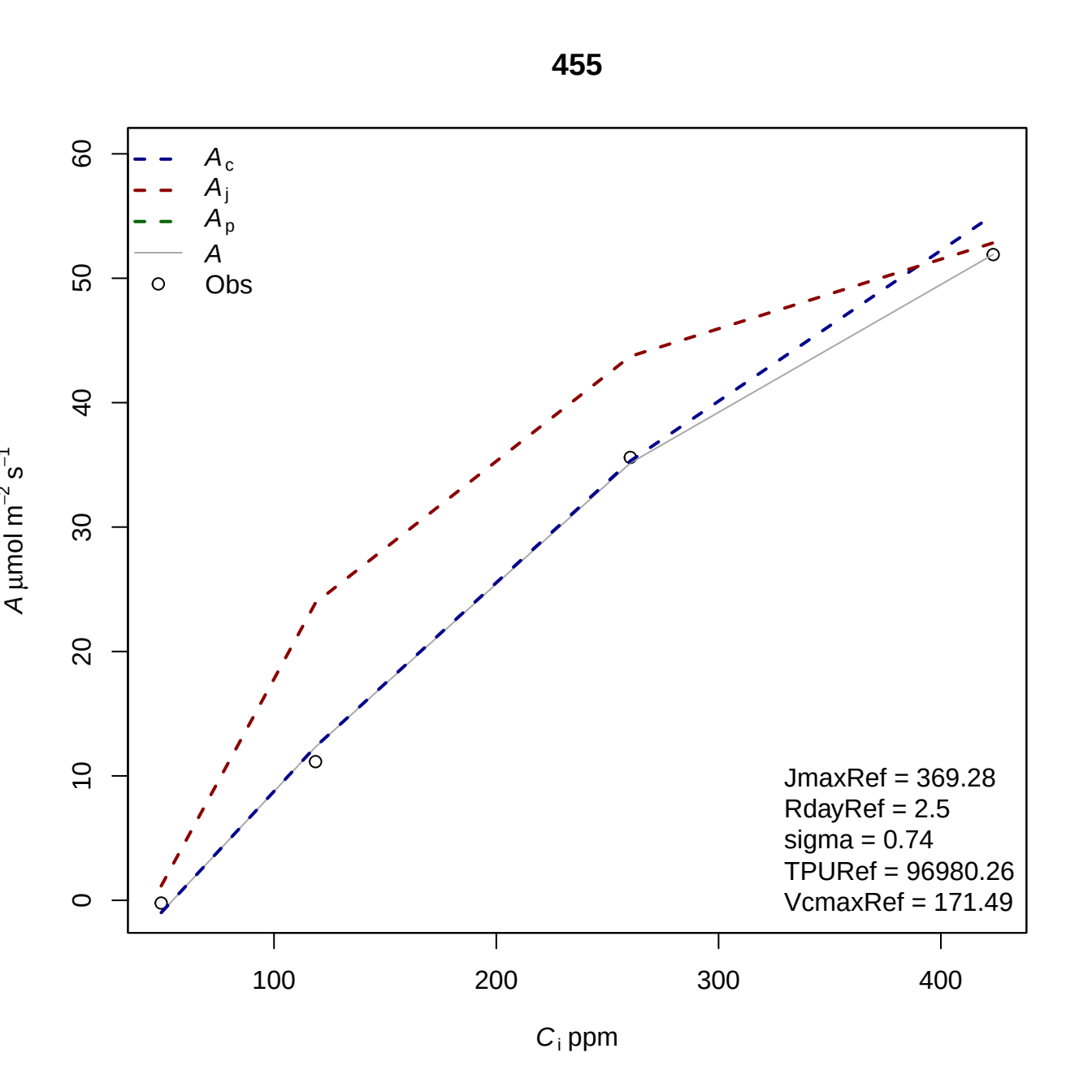

450
A_c
A_j
A_p
A
Obs
JmaxRef = 322.34
RdayRef = 1.27
sigma = 0.89
TPURef = 21.57
VcmaxRef = 172.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

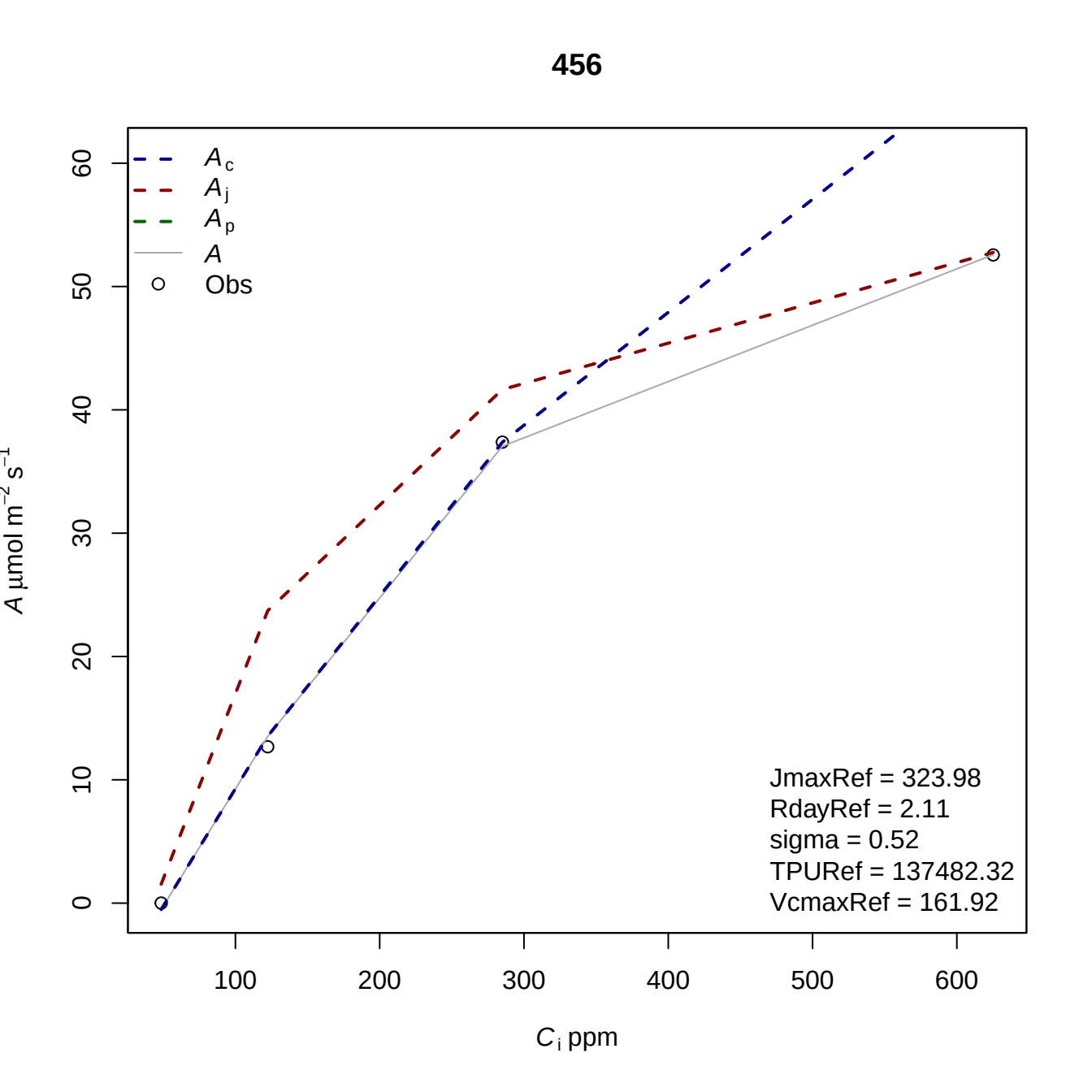

451
A_c
A_j
A_p
A
Obs
JmaxRef = 308.01
RdayRef = 1.33
sigma = 0.83
TPURef = 21.37
VcmaxRef = 163.32
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

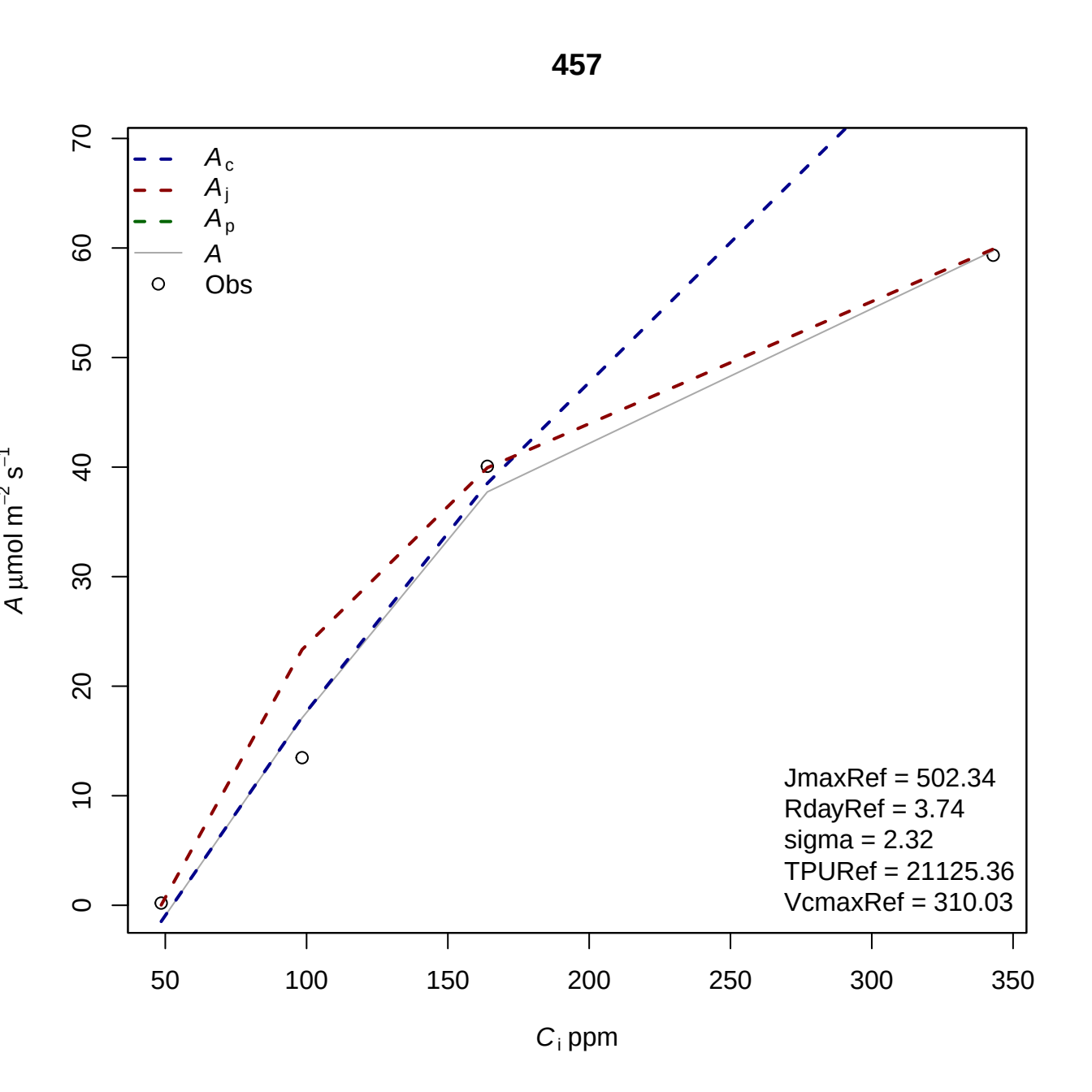

452
A_c
A_j
A_p
A
Obs
JmaxRef = 324.03
RdayRef = 1.38
sigma = 1.03
TPURef = 21.62
VcmaxRef = 168.71
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

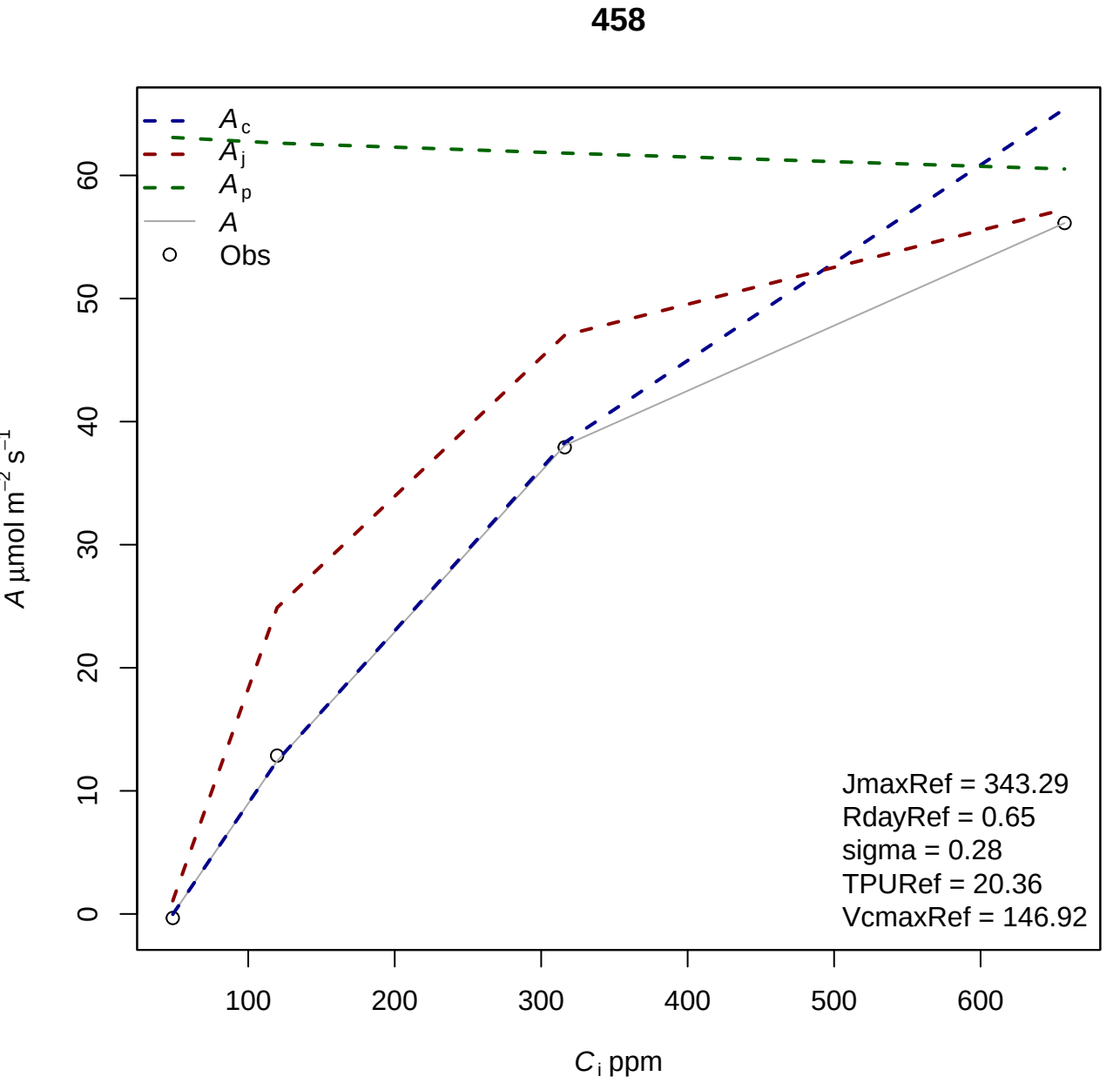

453
A_c
A_j
A_p
A
Obs
JmaxRef = 312.65
RdayRef = 1.2
sigma = 0.18
TPURef = 20.93
VcmaxRef = 156.72
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

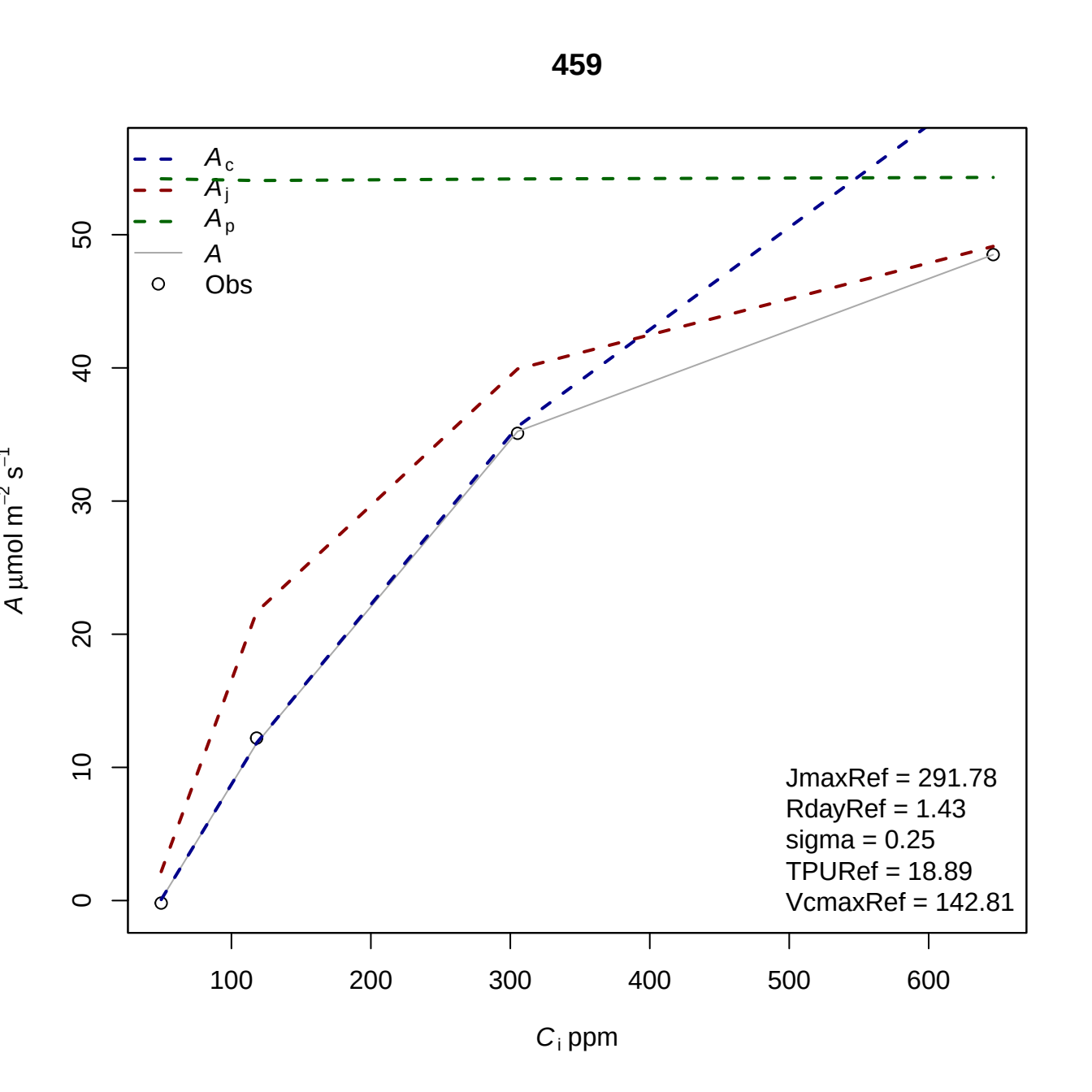

454
A_c
A_j
A_p
A
Obs
JmaxRef = 293.41
RdayRef = 1.03
sigma = 0.58
TPURef = 20.12
VcmaxRef = 160.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

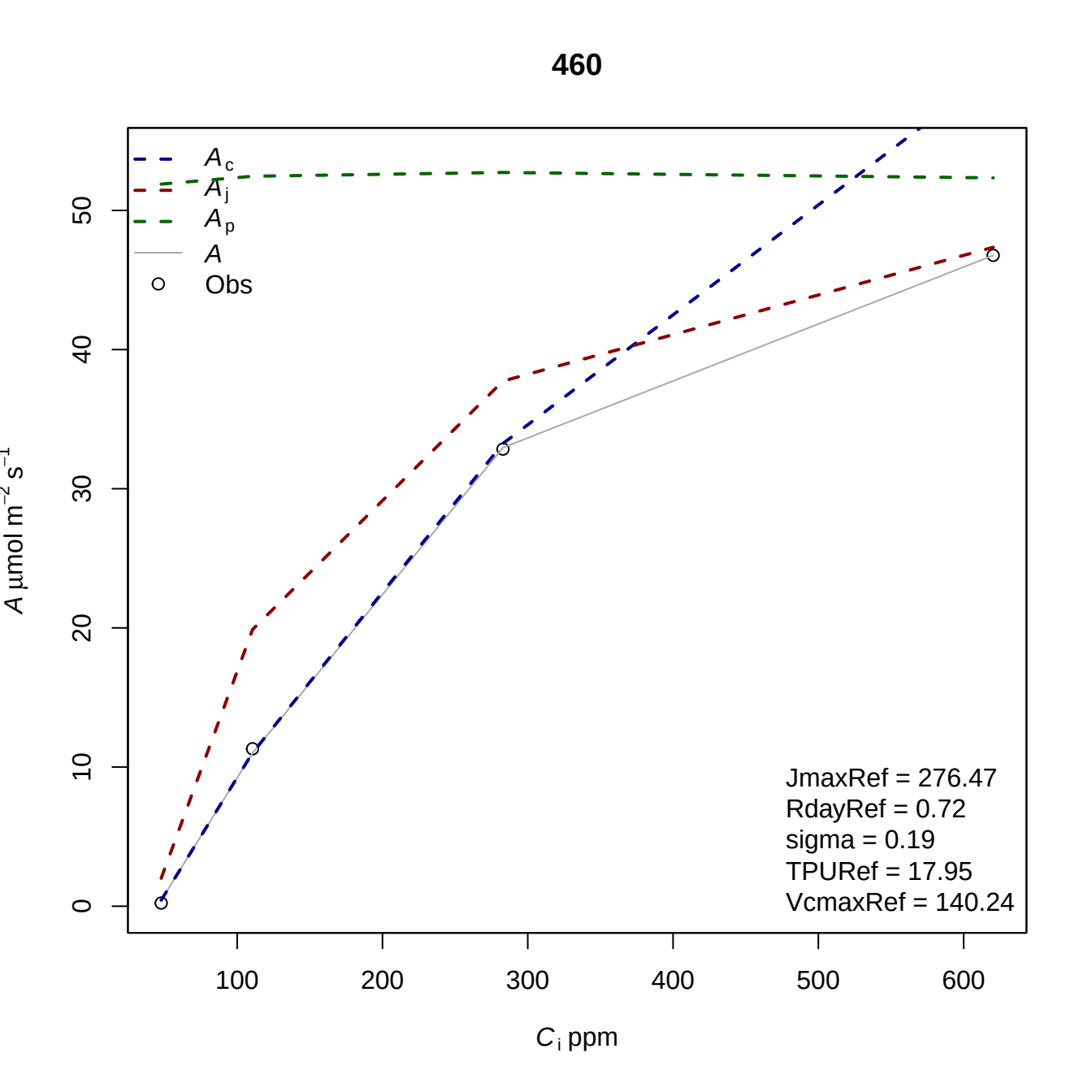

455
A_c
A_j
A_p
A
Obs
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
60
100
200
300
400
C_i ppm
JmaxRef = 369.28
RdayRef = 2.5
sigma = 0.74
TPURef = 96980.26
VcmaxRef = 171.49

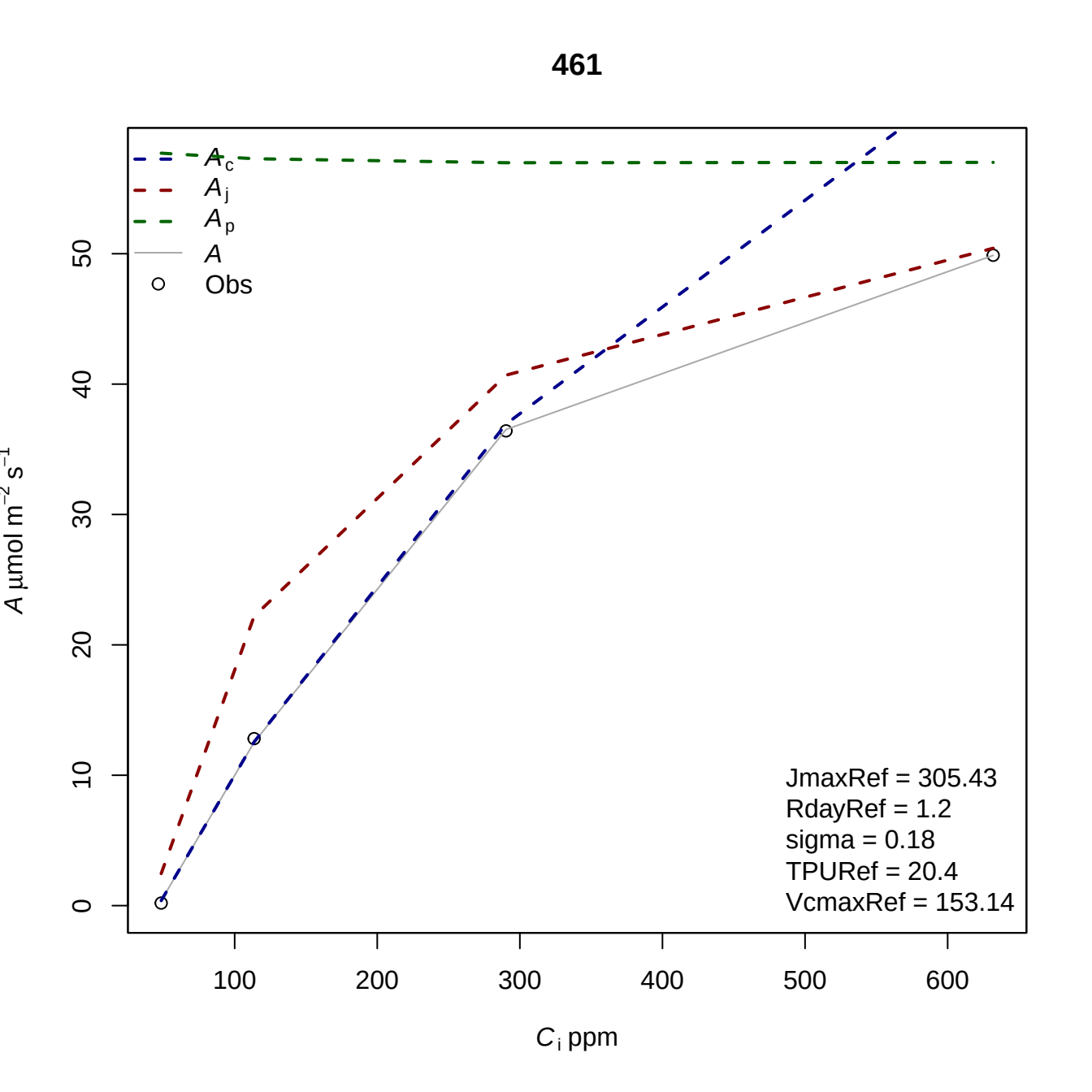

456
A_c
A_j
A_p
A
Obs
JmaxRef = 323.98
RdayRef = 2.11
sigma = 0.52
TPURef = 137482.32
VcmaxRef = 161.92
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

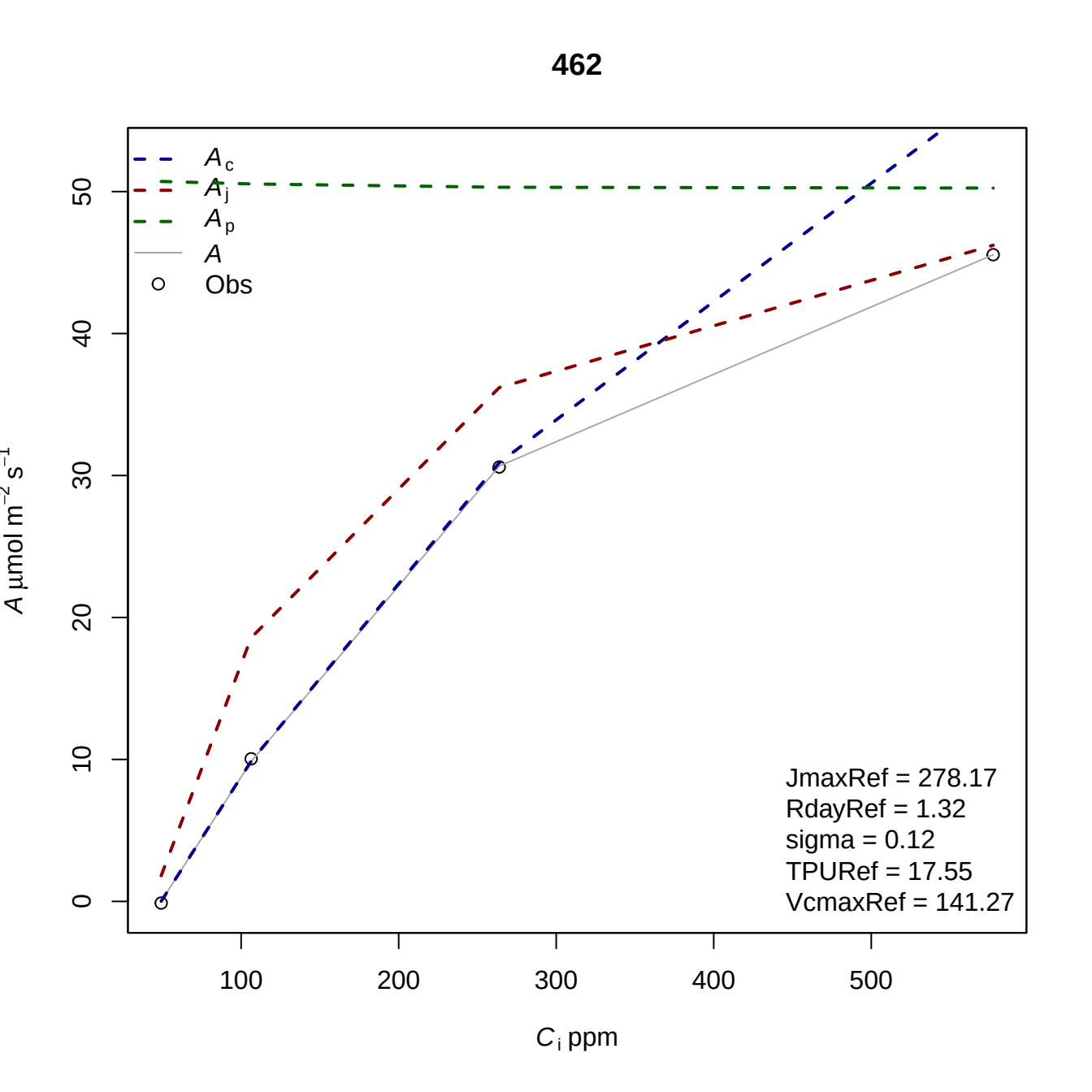

457
A_c
A_j
A_p
A
Obs
JmaxRef = 502.34
RdayRef = 3.74
sigma = 2.32
TPURef = 21125.36
VcmaxRef = 310.03
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
70
50
100
150
200
250
300
350

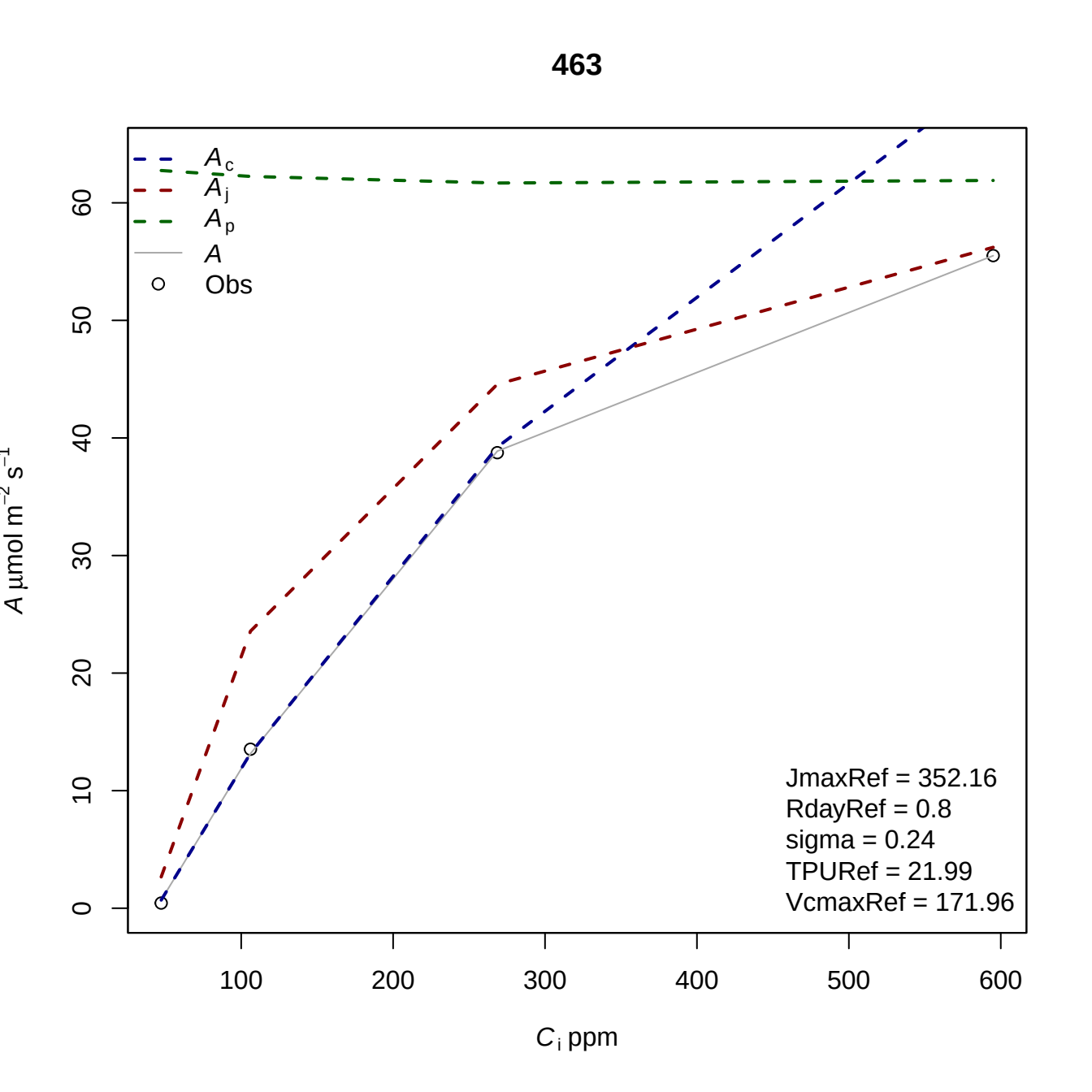

458
A_c
A_j
A_p
A
Obs
JmaxRef = 343.29
RdayRef = 0.65
sigma = 0.28
TPURef = 20.36
VcmaxRef = 146.92
0
10
20
30
40
50
60
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

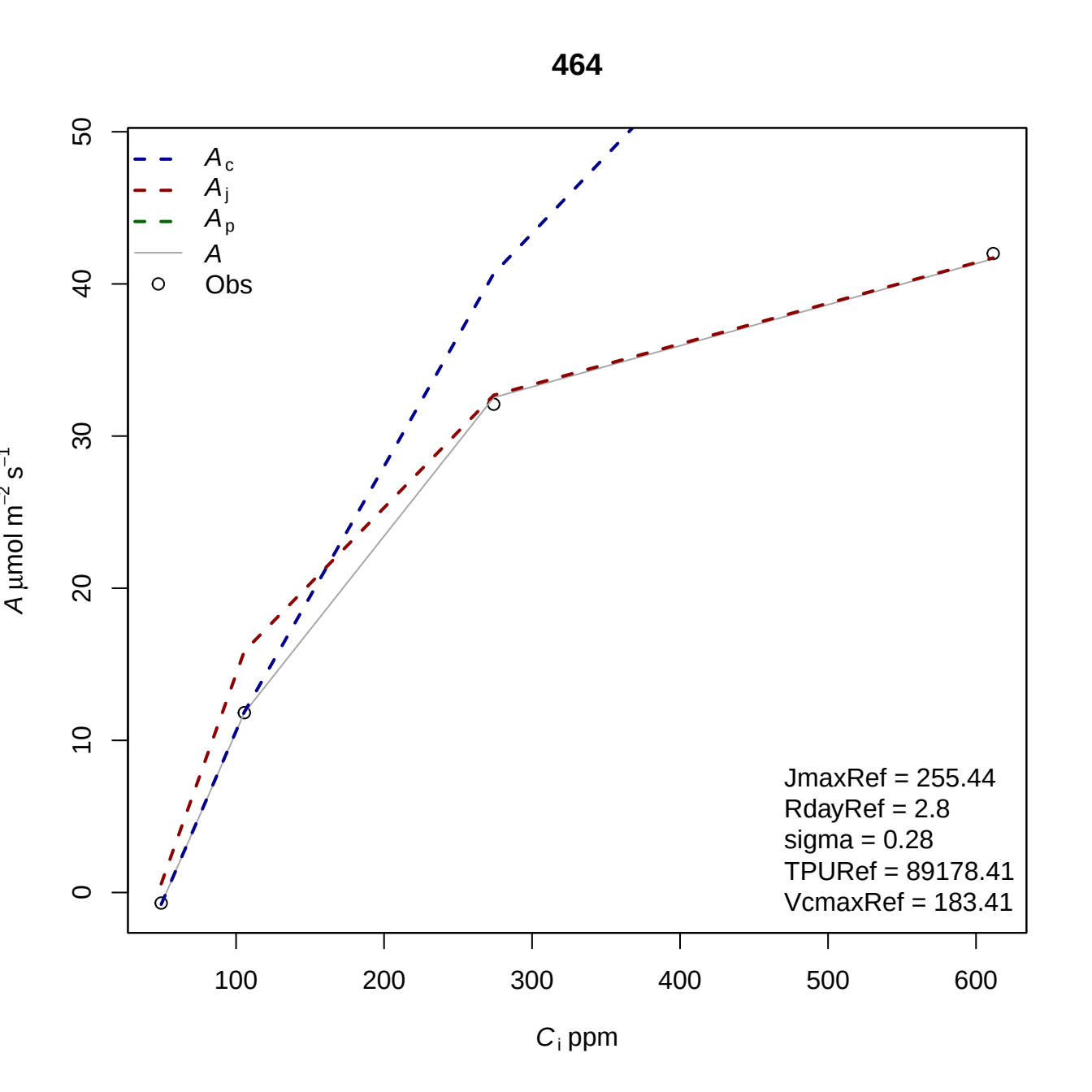

459
A_c
A_j
A_p
A
Obs
JmaxRef = 291.78
RdayRef = 1.43
sigma = 0.25
TPURef = 18.89
VcmaxRef = 142.81
0
10
20
30
40
50
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

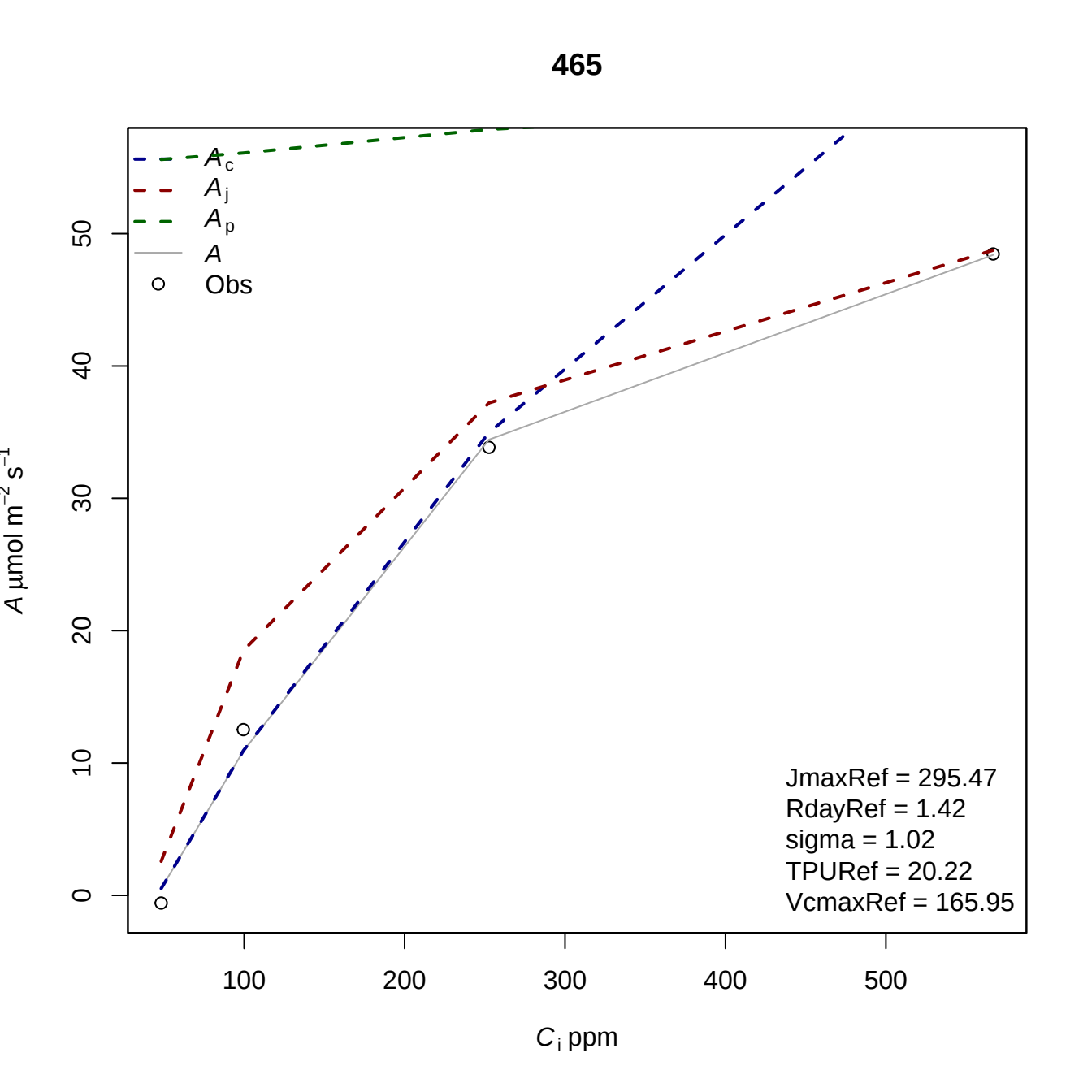

460
A_c
A_j
A_p
A
Obs
JmaxRef = 276.47
RdayRef = 0.72
sigma = 0.19
TPURef = 17.95
VcmaxRef = 140.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

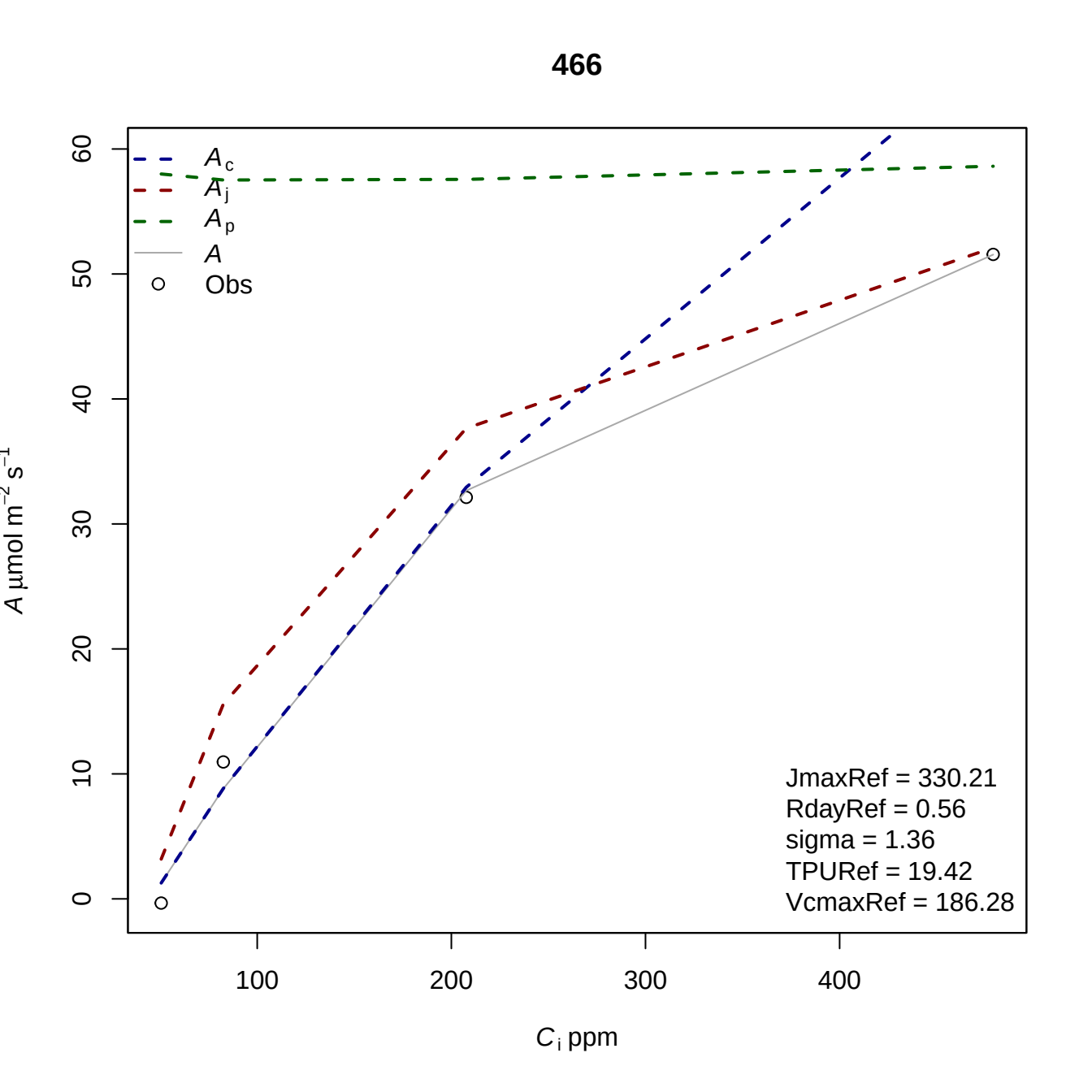

461
A_c
A_j
A_p
A
Obs
JmaxRef = 305.43
RdayRef = 1.2
sigma = 0.18
TPURef = 20.4
VcmaxRef = 153.14
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

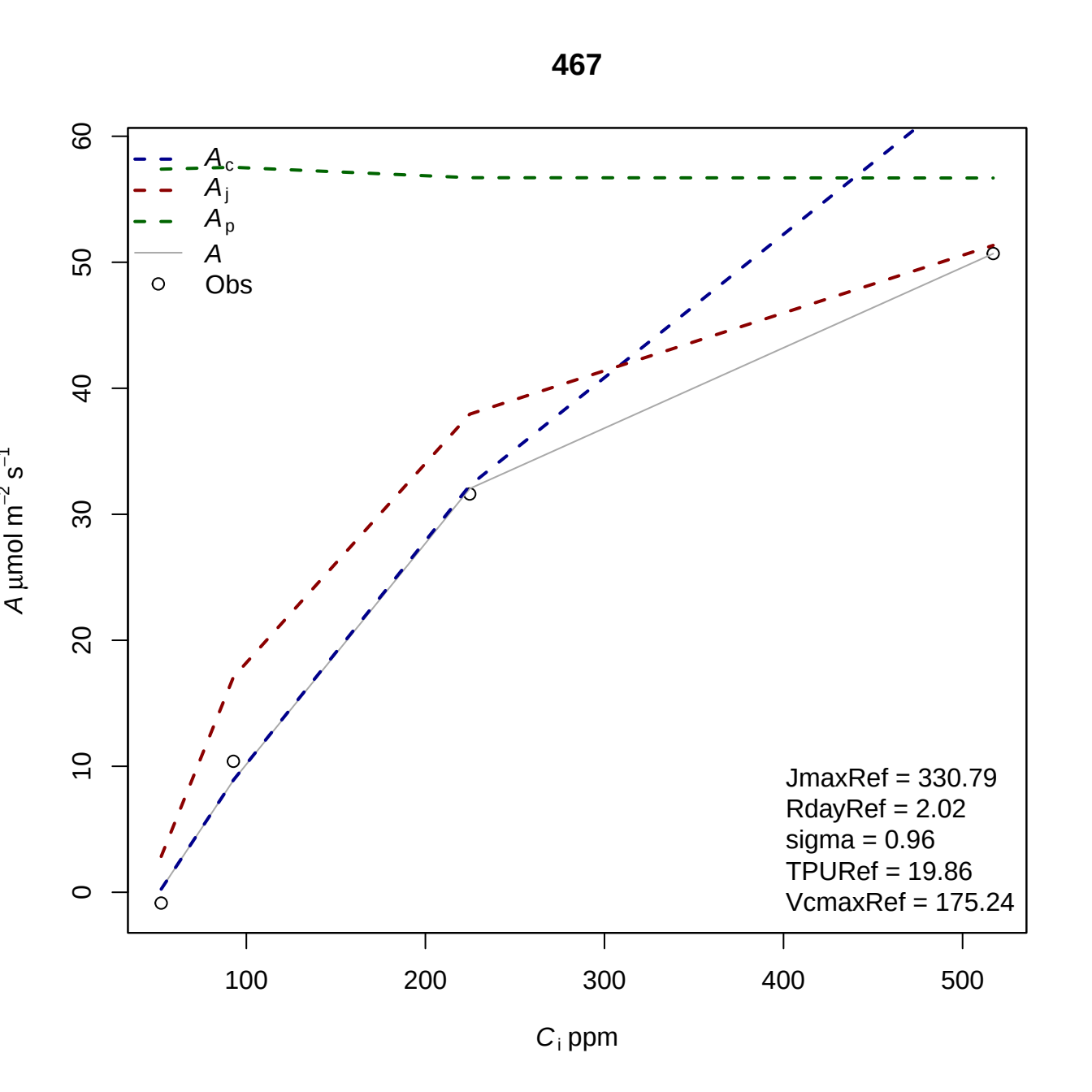

462
A_c
A_j
A_p
A
Obs
JmaxRef = 278.17
RdayRef = 1.32
sigma = 0.12
TPURef = 17.55
VcmaxRef = 141.27
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

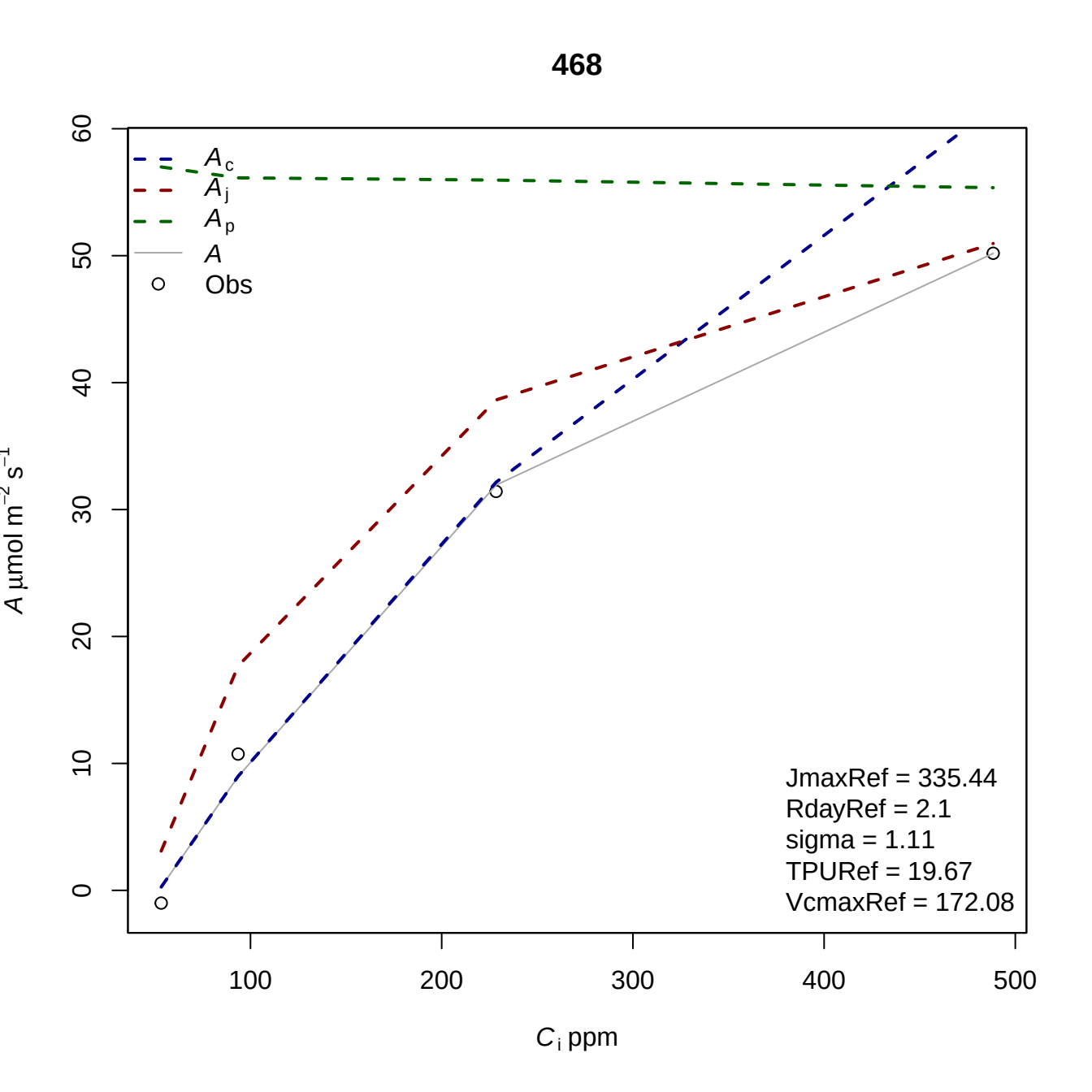

463
A_c
A_j
A_p
A
Obs
JmaxRef = 352.16
RdayRef = 0.8
sigma = 0.24
TPURef = 21.99
VcmaxRef = 171.96
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

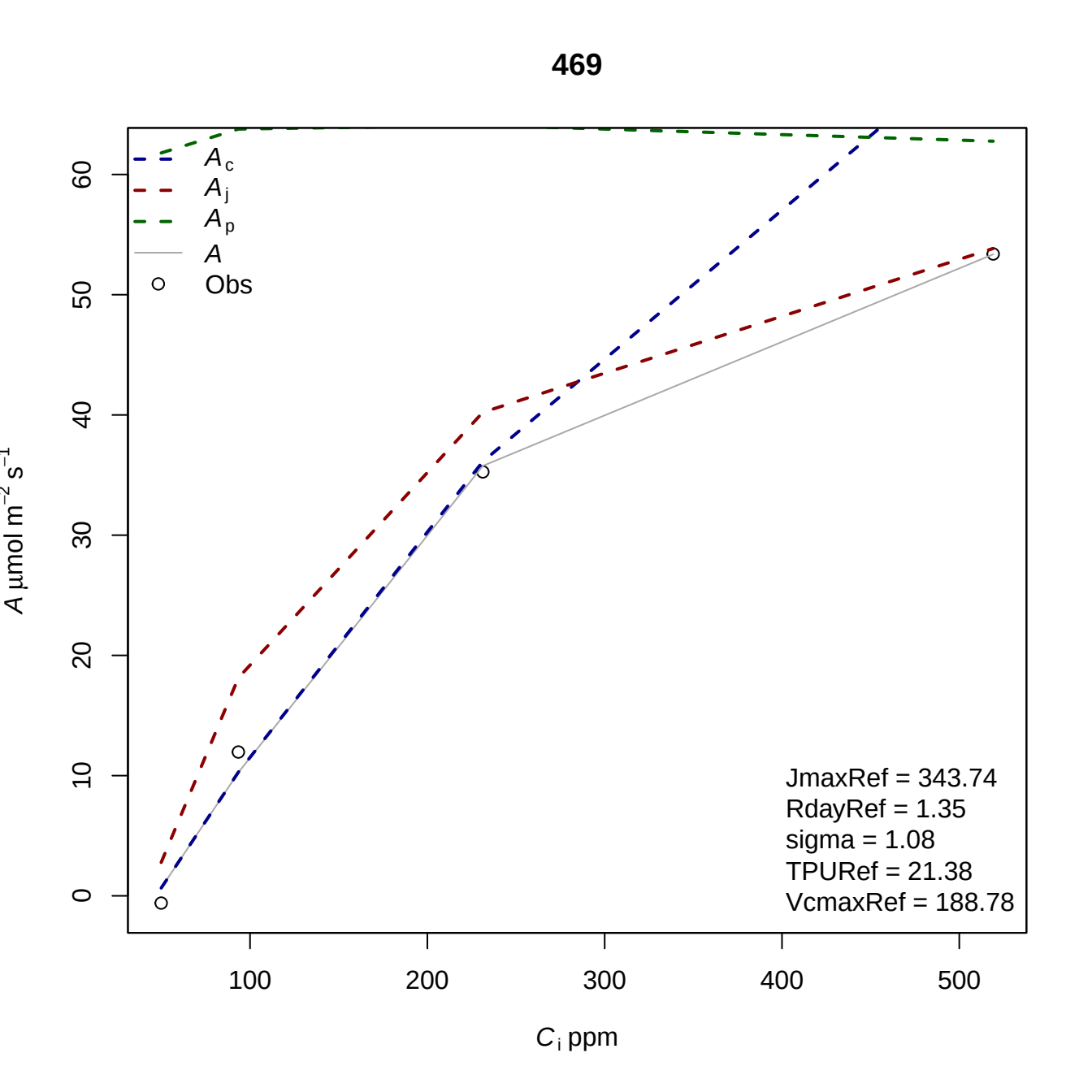

464
A_c
A_j
A_p
A
Obs
JmaxRef = 255.44
RdayRef = 2.8
sigma = 0.28
TPURef = 89178.41
VcmaxRef = 183.41
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

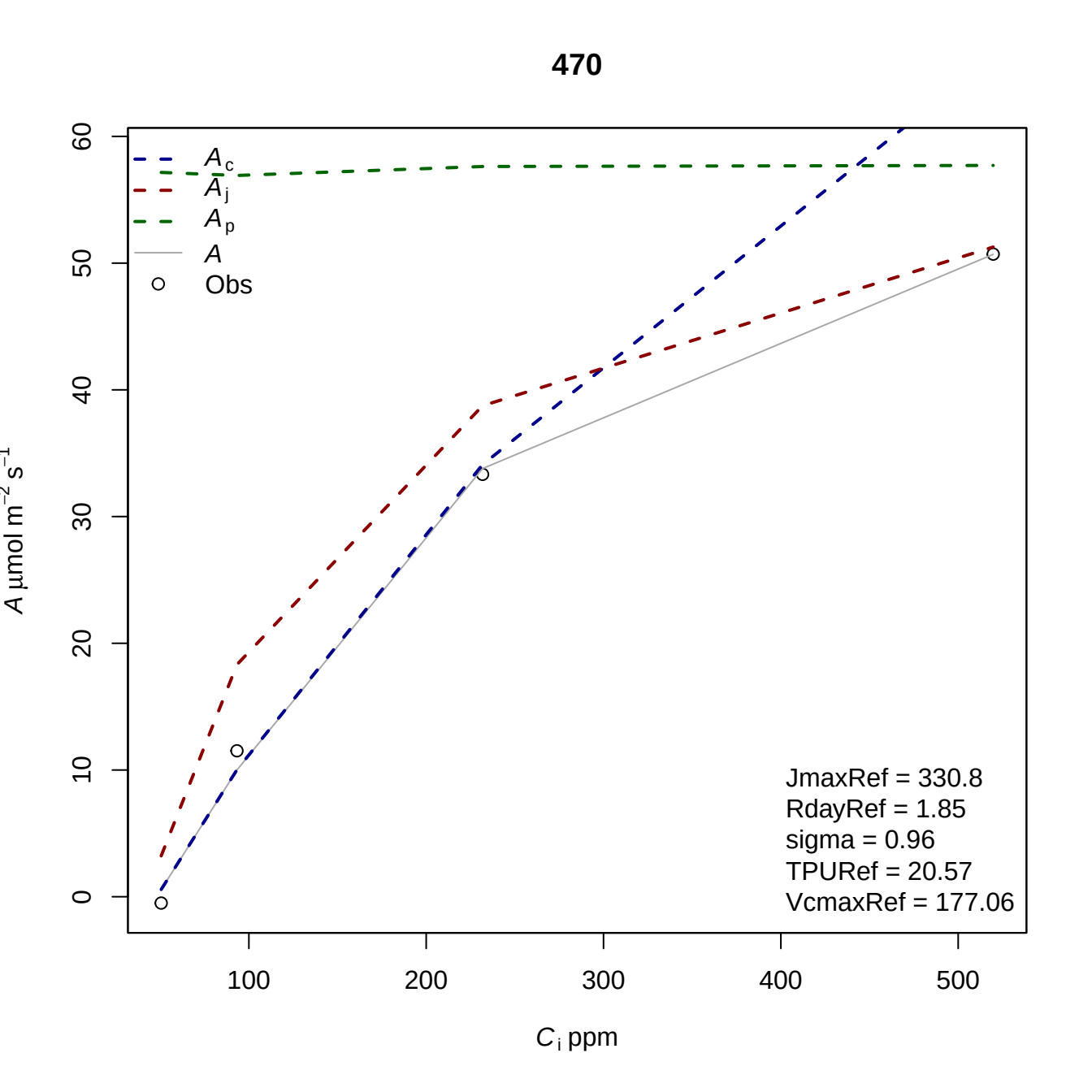

465
A_c
A_j
A_p
A
Obs
JmaxRef = 295.47
RdayRef = 1.42
sigma = 1.02
TPURef = 20.22
VcmaxRef = 165.95
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

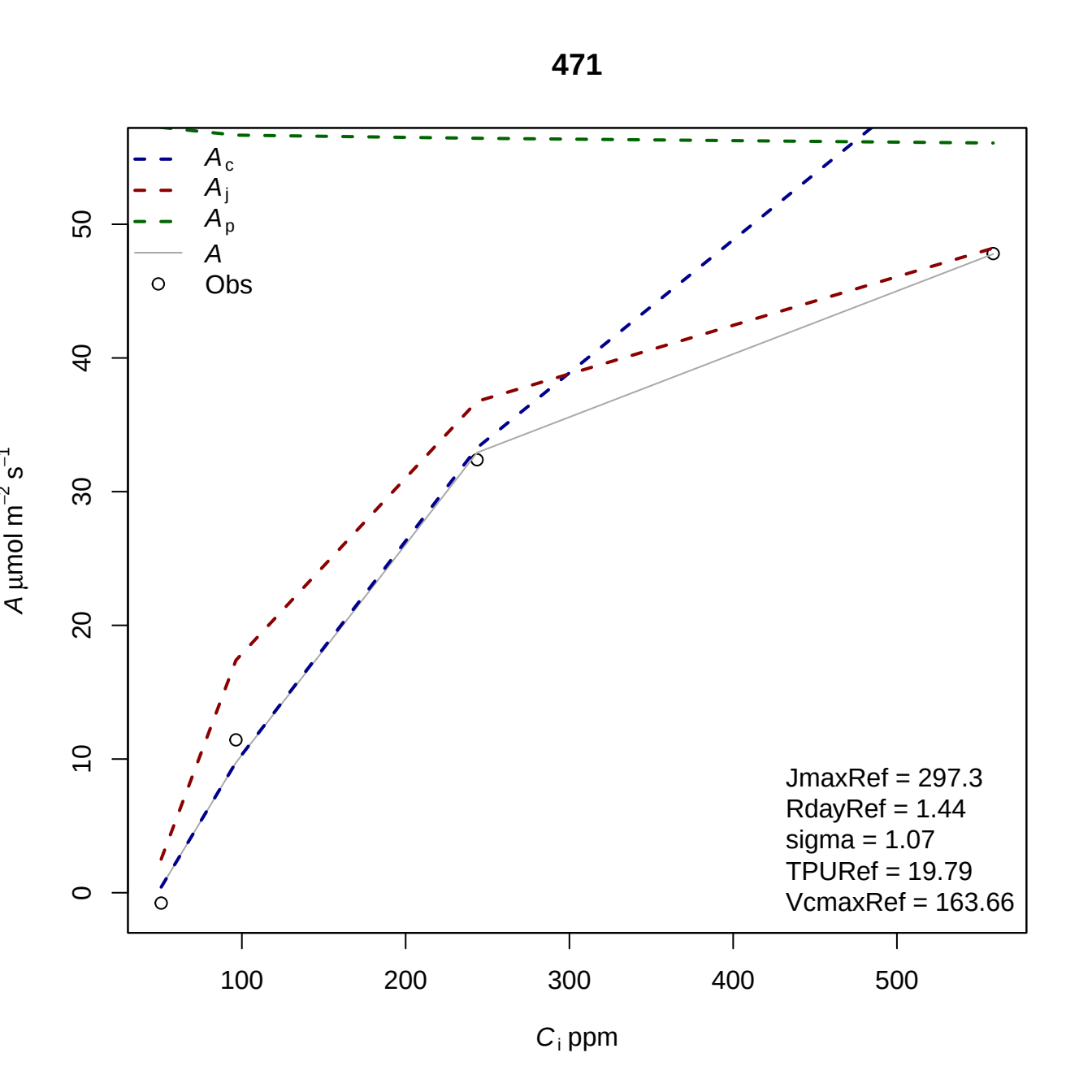

466
A_c
A_j
A_p
A
Obs
JmaxRef = 330.21
RdayRef = 0.56
sigma = 1.36
TPURef = 19.42
VcmaxRef = 186.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400

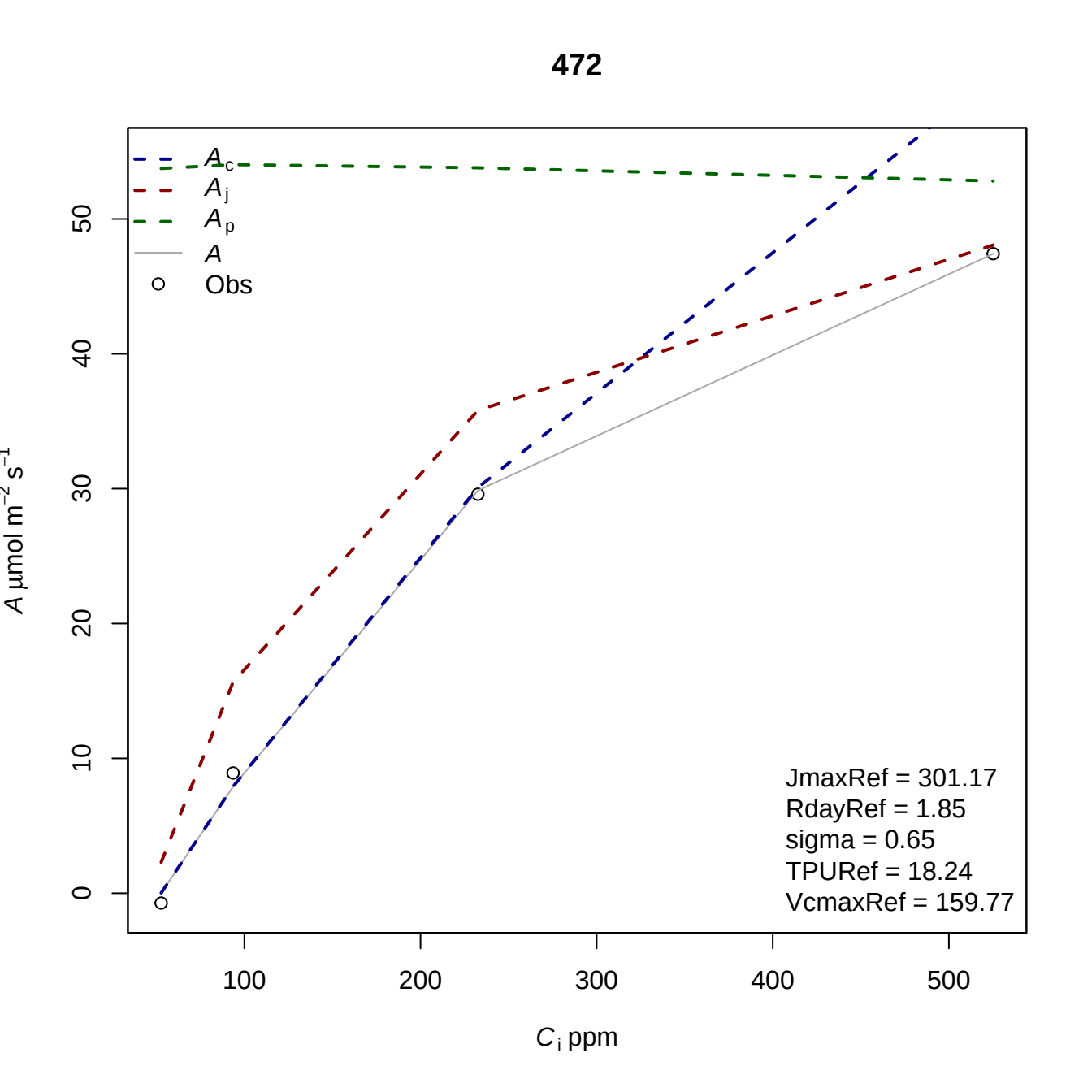

467
A_c
A_j
A_p
A
Obs
JmaxRef = 330.79
RdayRef = 2.02
sigma = 0.96
TPURef = 19.86
VcmaxRef = 175.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

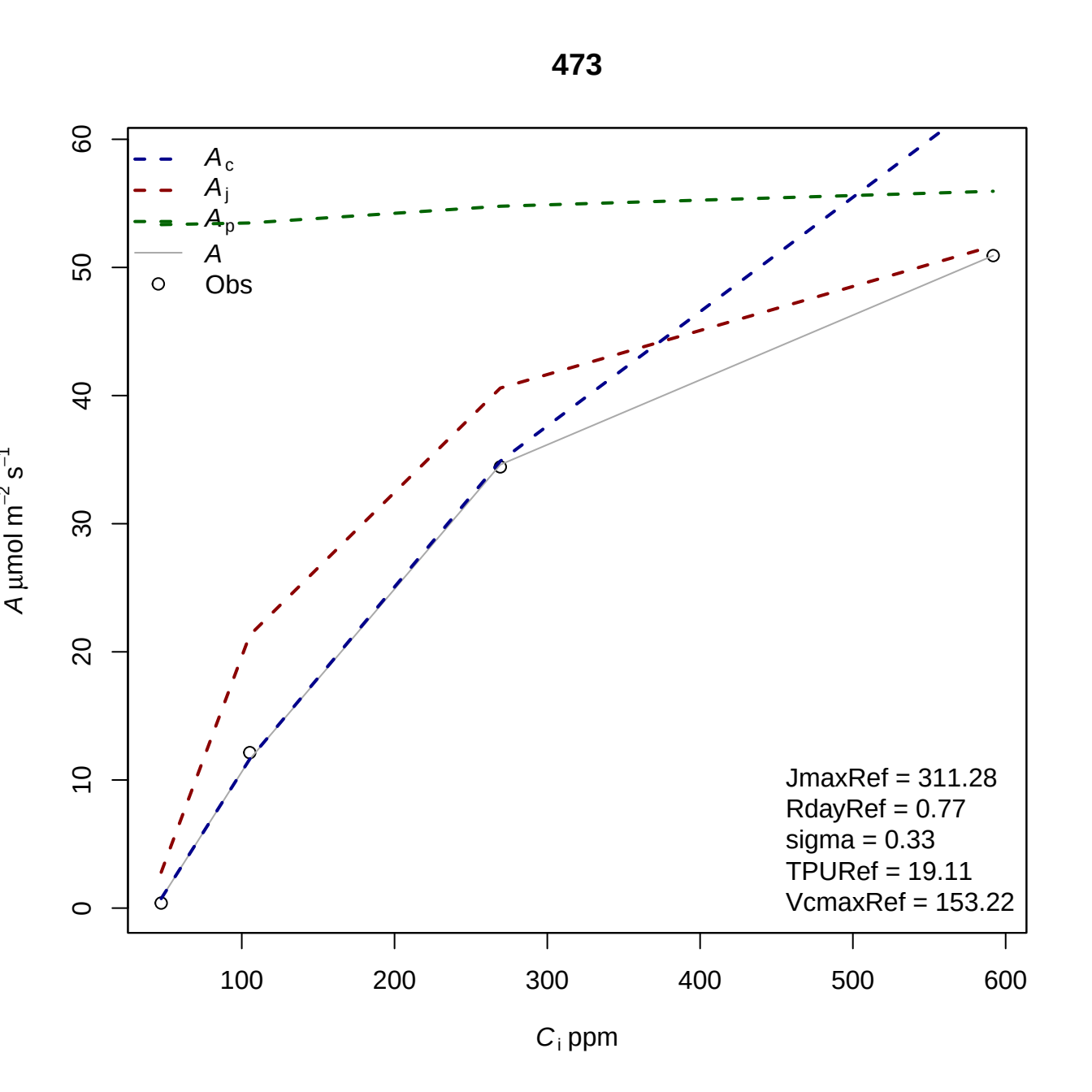

468
A_c
A_j
A_p
A
Obs
JmaxRef = 335.44
RdayRef = 2.1
sigma = 1.11
TPURef = 19.67
VcmaxRef = 172.08
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

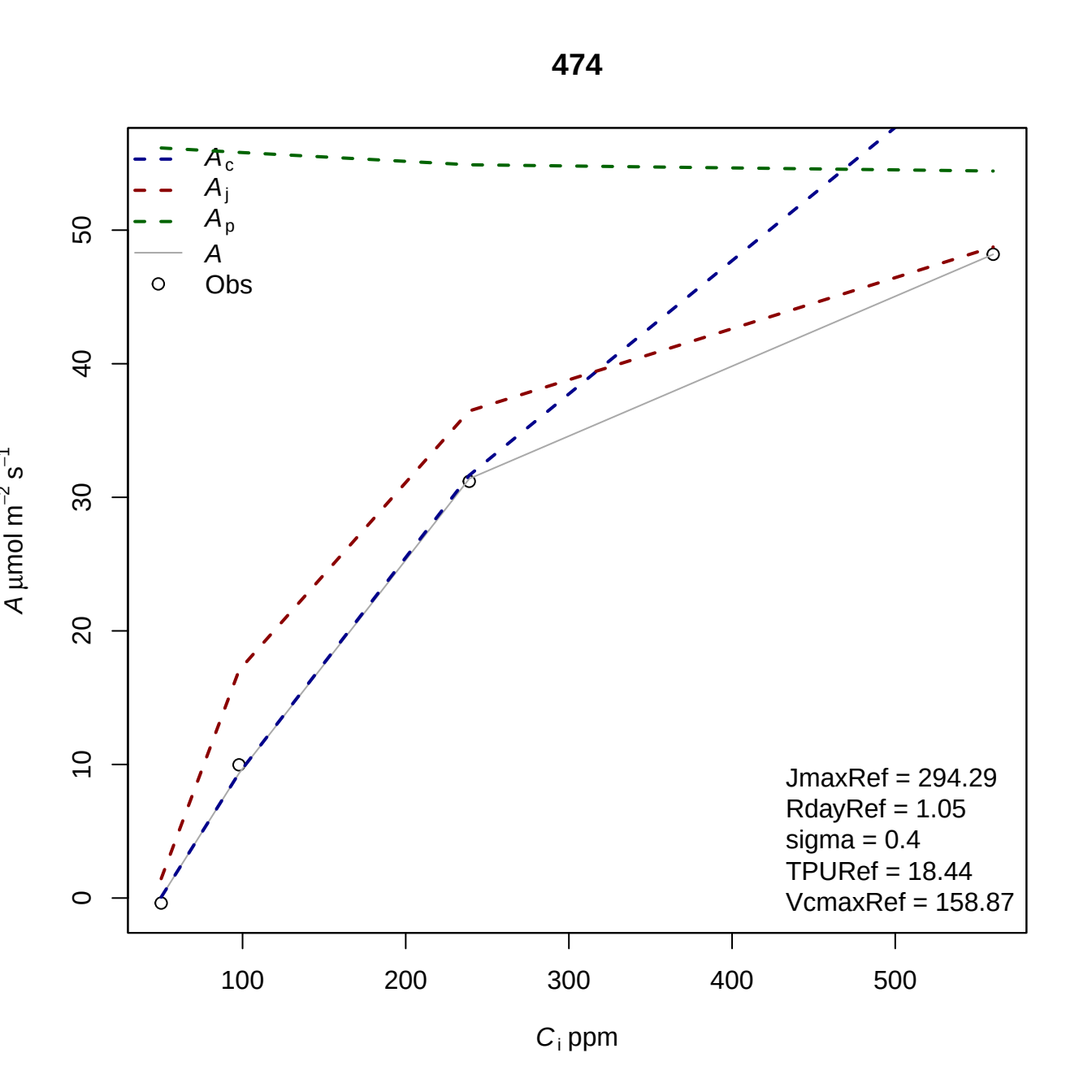

469
A_c
A_j
A_p
A
Obs
JmaxRef = 343.74
RdayRef = 1.35
sigma = 1.08
TPURef = 21.38
VcmaxRef = 188.78
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

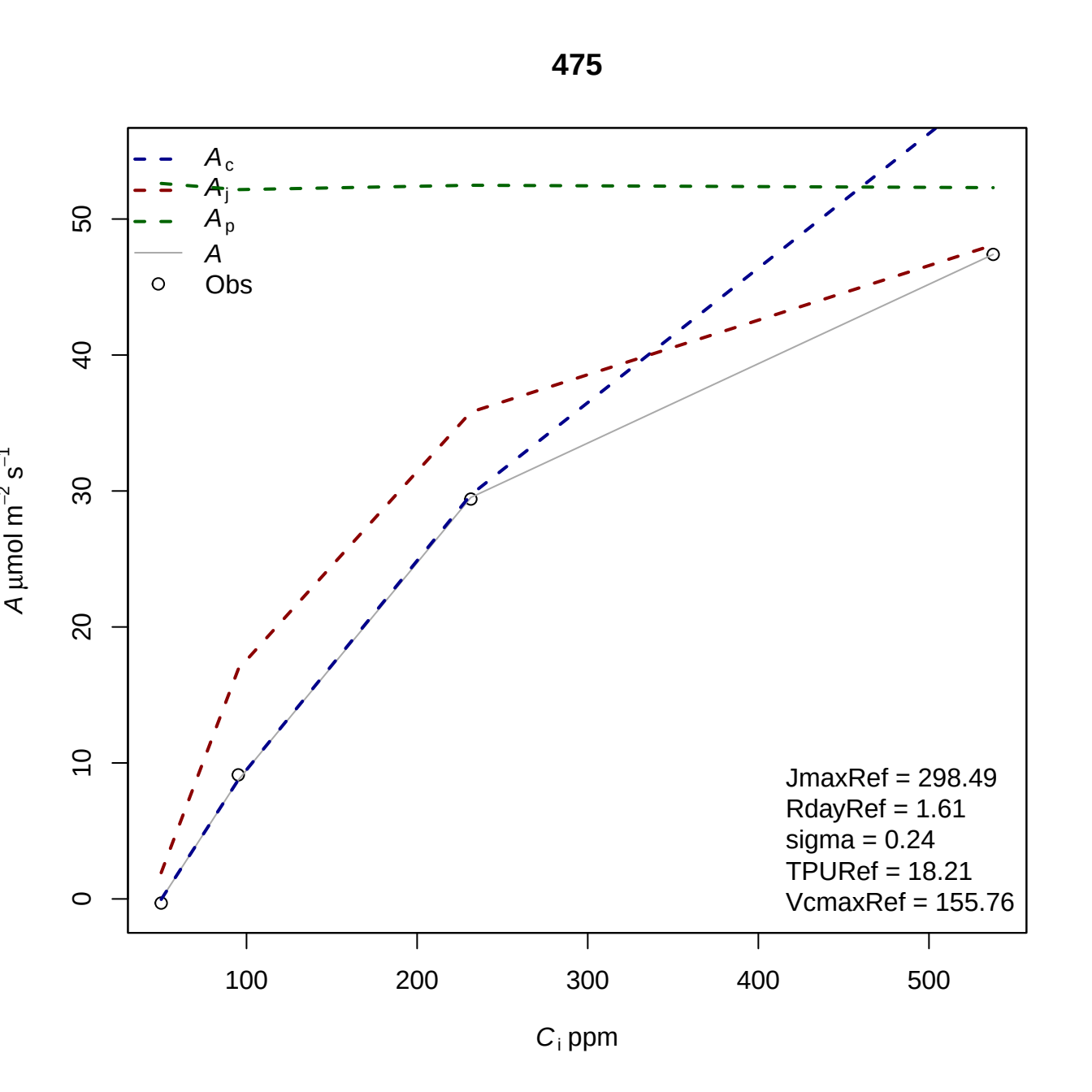

470
A_c
A_j
A_p
A
Obs
JmaxRef = 330.8
RdayRef = 1.85
sigma = 0.96
TPURef = 20.57
VcmaxRef = 177.06
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

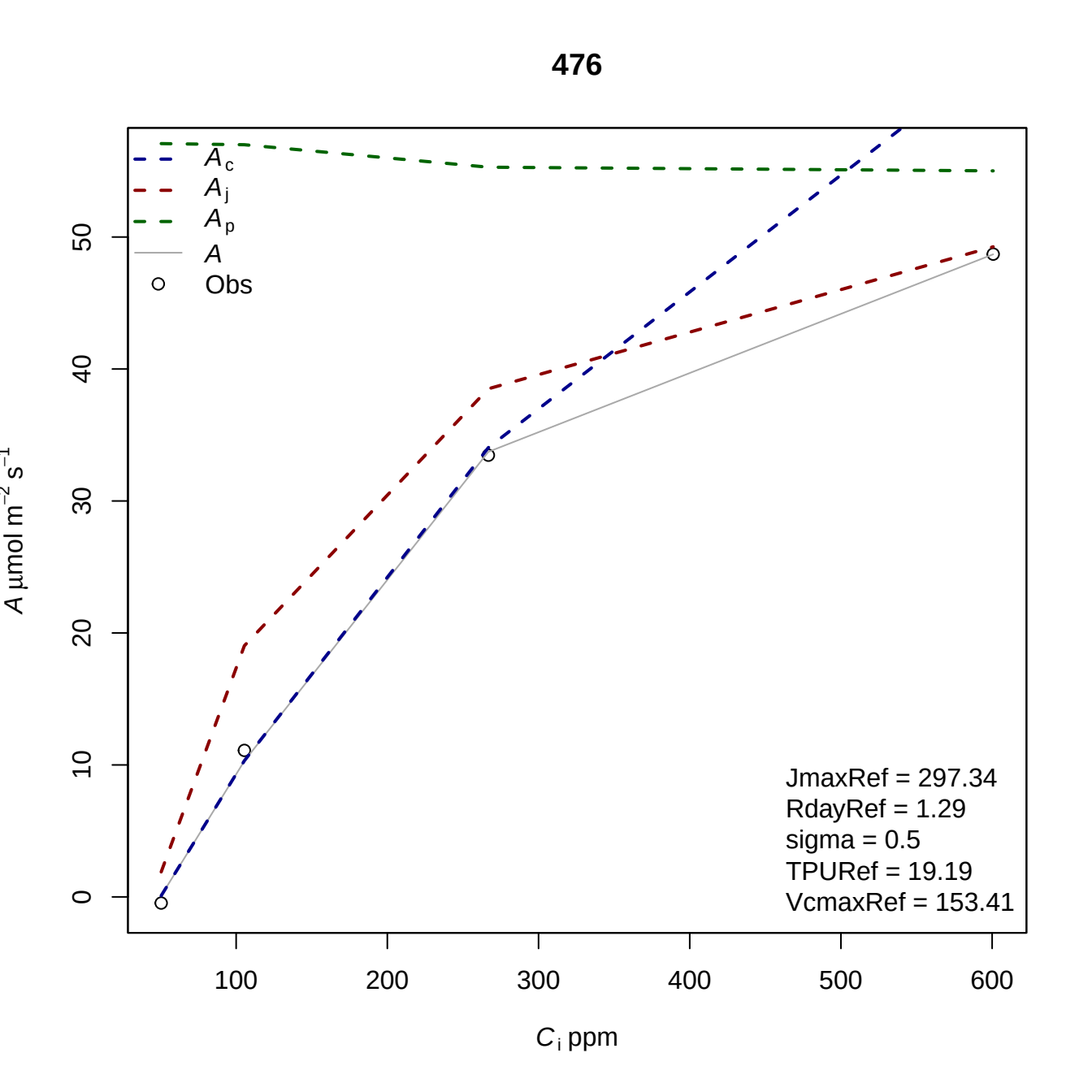

471
A_c
A_j
A_p
A
Obs
JmaxRef = 297.3
RdayRef = 1.44
sigma = 1.07
TPURef = 19.79
VcmaxRef = 163.66
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

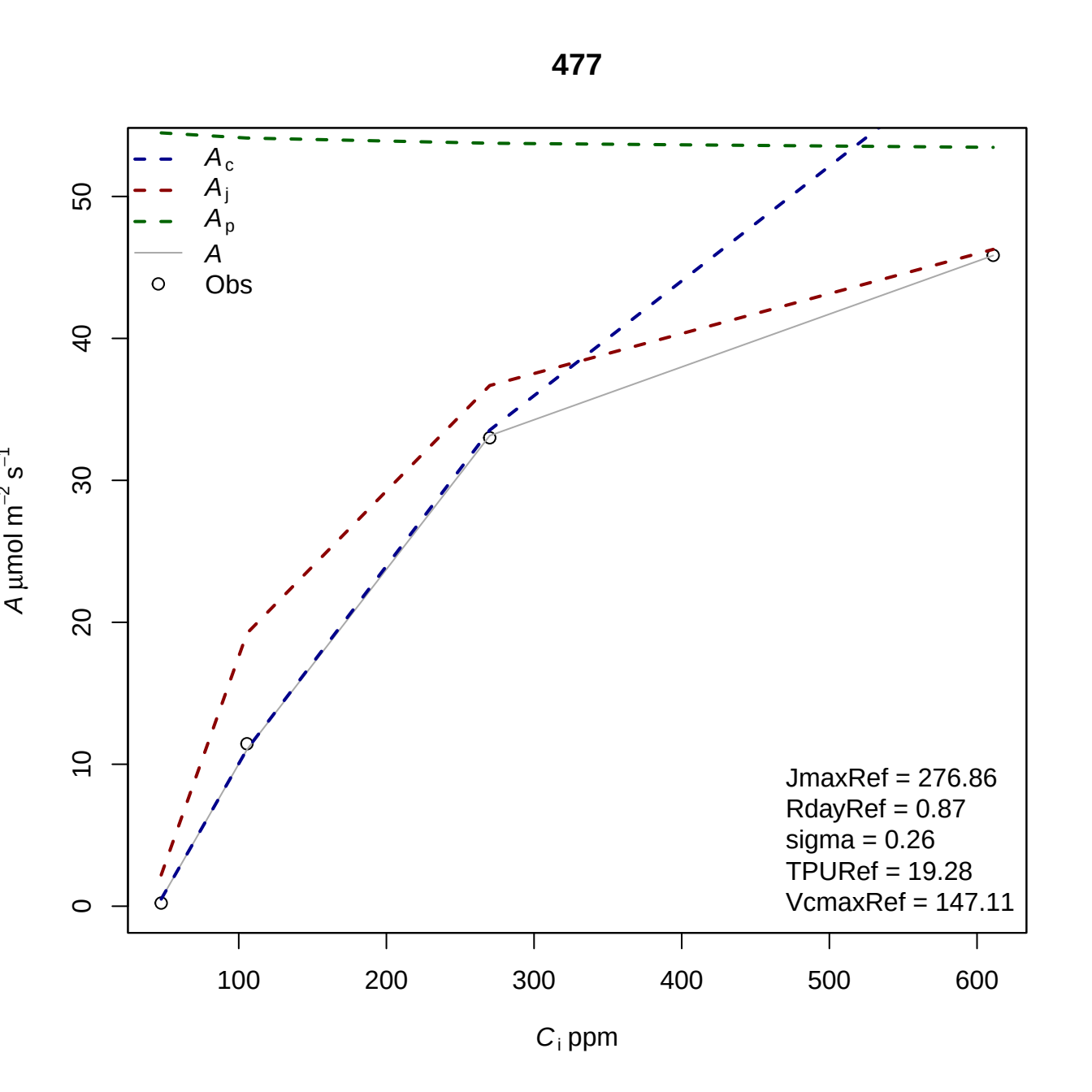

472
A_c
A_j
A_p
A
Obs
JmaxRef = 301.17
RdayRef = 1.85
sigma = 0.65
TPURef = 18.24
VcmaxRef = 159.77
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

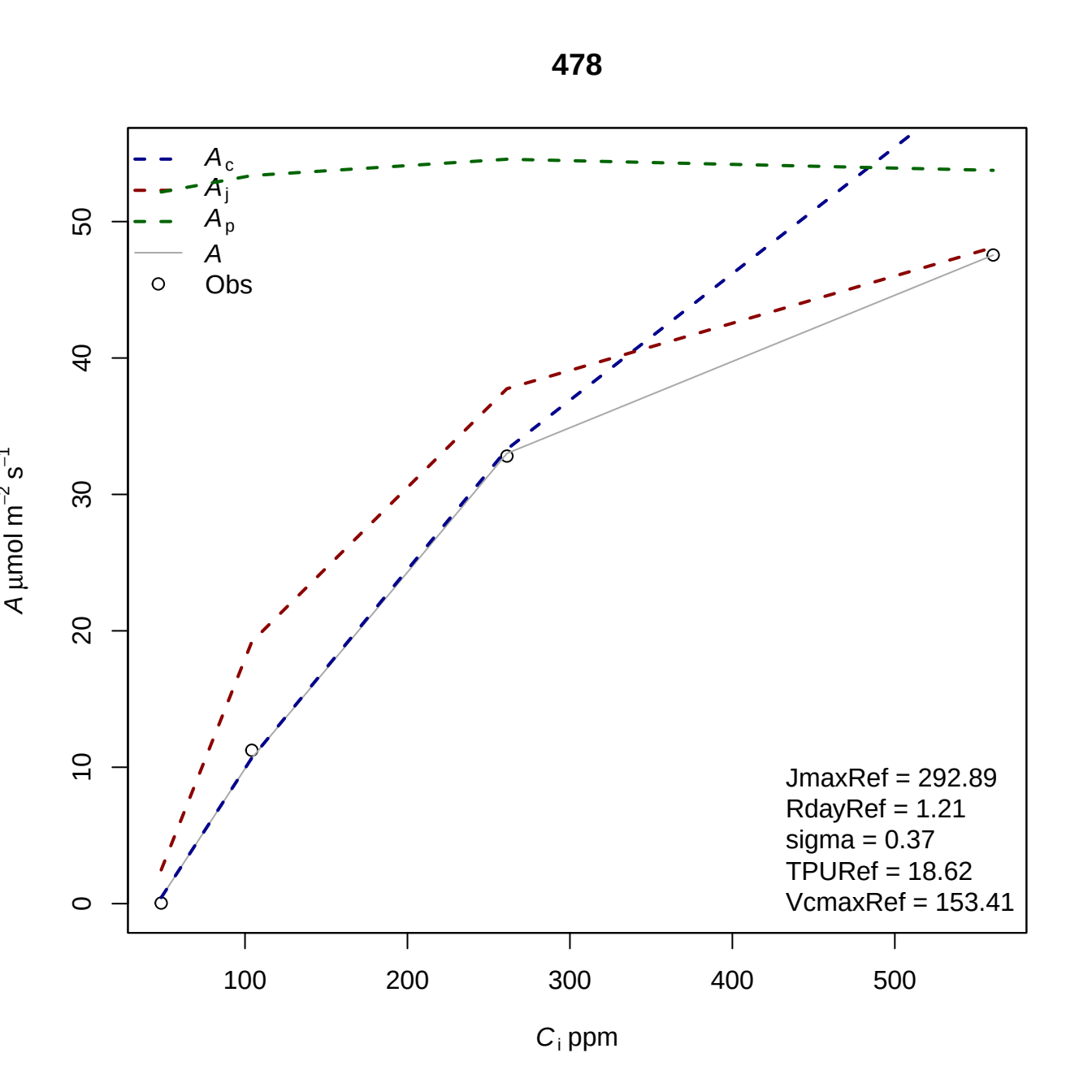

473
A_c
A_j
A_p
A
Obs
JmaxRef = 311.28
RdayRef = 0.77
sigma = 0.33
TPURef = 19.11
VcmaxRef = 153.22
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500
600

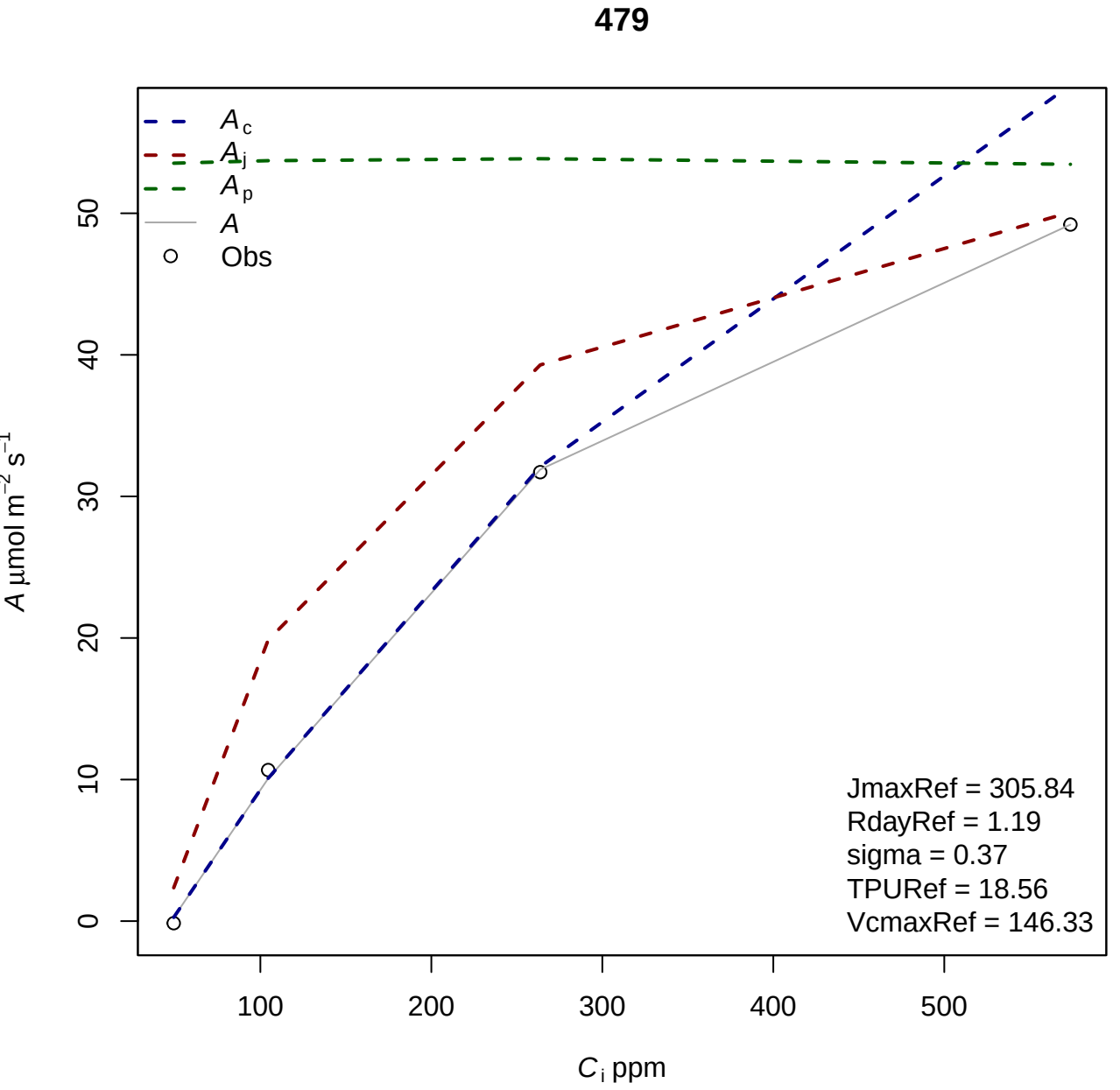

474
A_c
A_j
A_p
A
Obs
JmaxRef = 294.29
RdayRef = 1.05
sigma = 0.4
TPURef = 18.44
VcmaxRef = 158.87
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

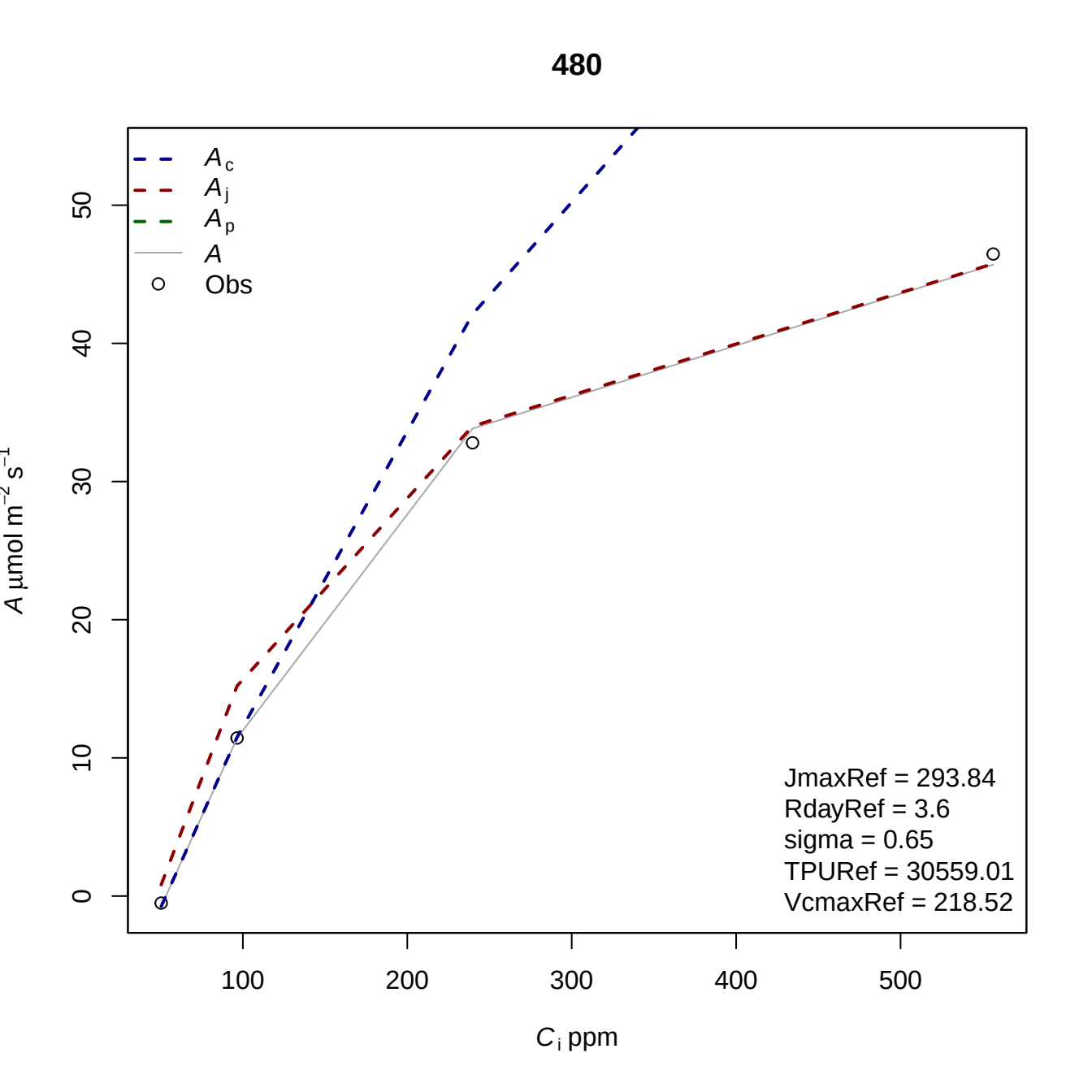

475
A_c
A_j
A_p
A
Obs
JmaxRef = 298.49
RdayRef = 1.61
sigma = 0.24
TPURef = 18.21
VcmaxRef = 155.76
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

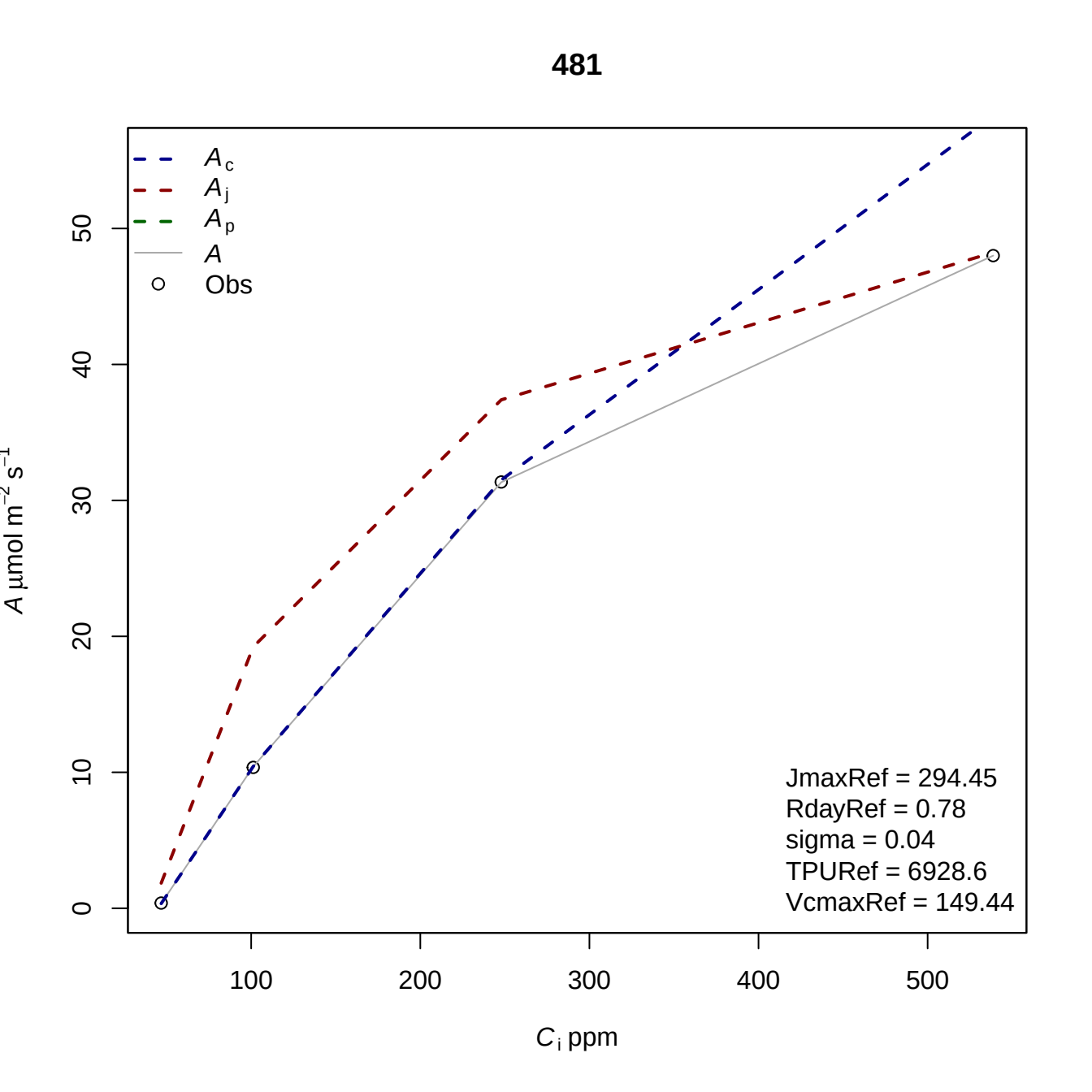

476
A_c
A_j
A_p
A
Obs
JmaxRef = 297.34
RdayRef = 1.29
sigma = 0.5
TPURef = 19.19
VcmaxRef = 153.41
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

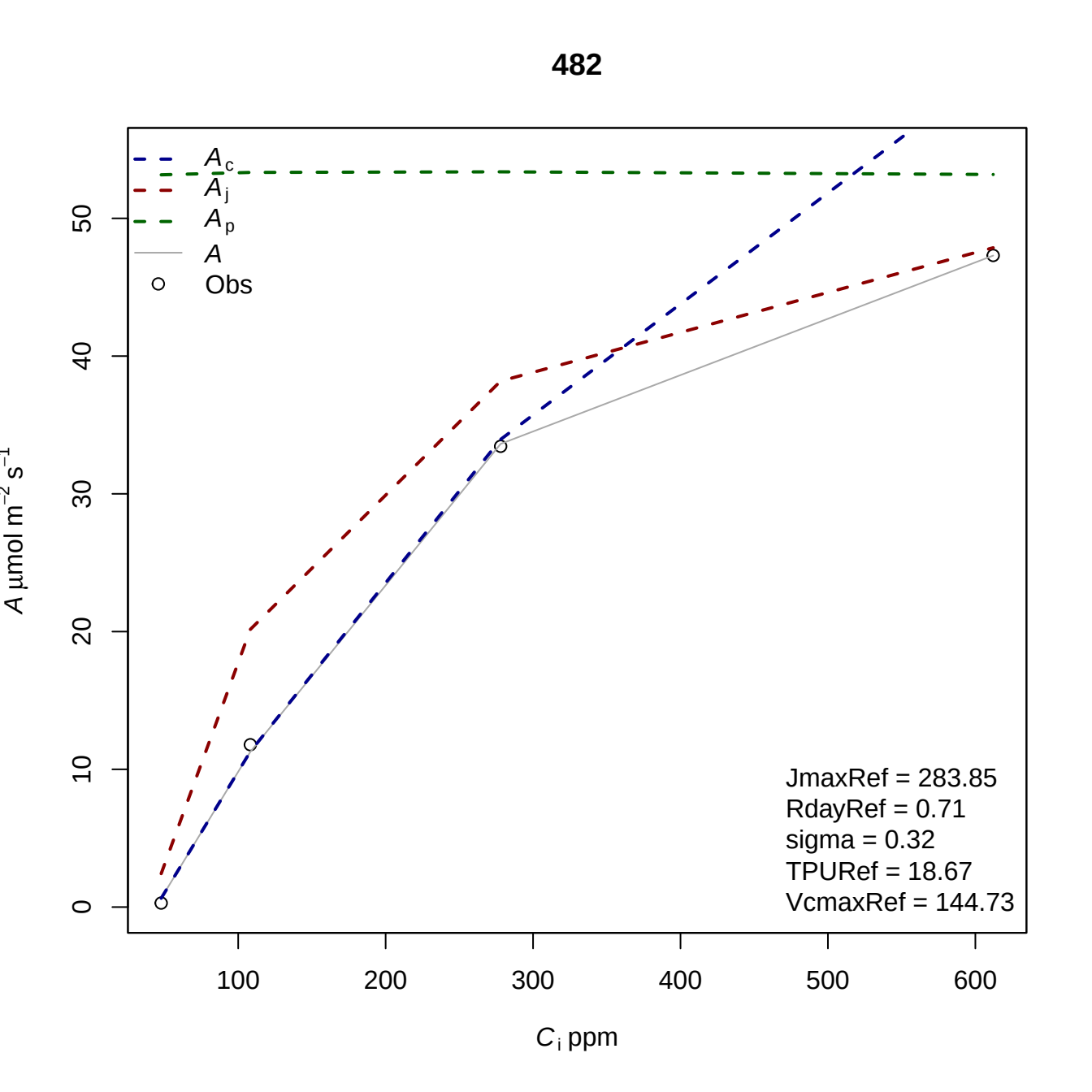

477
A_c
A_j
A_p
A
Obs
JmaxRef = 276.86
RdayRef = 0.87
sigma = 0.26
TPURef = 19.28
VcmaxRef = 147.11
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
600
C_i ppm

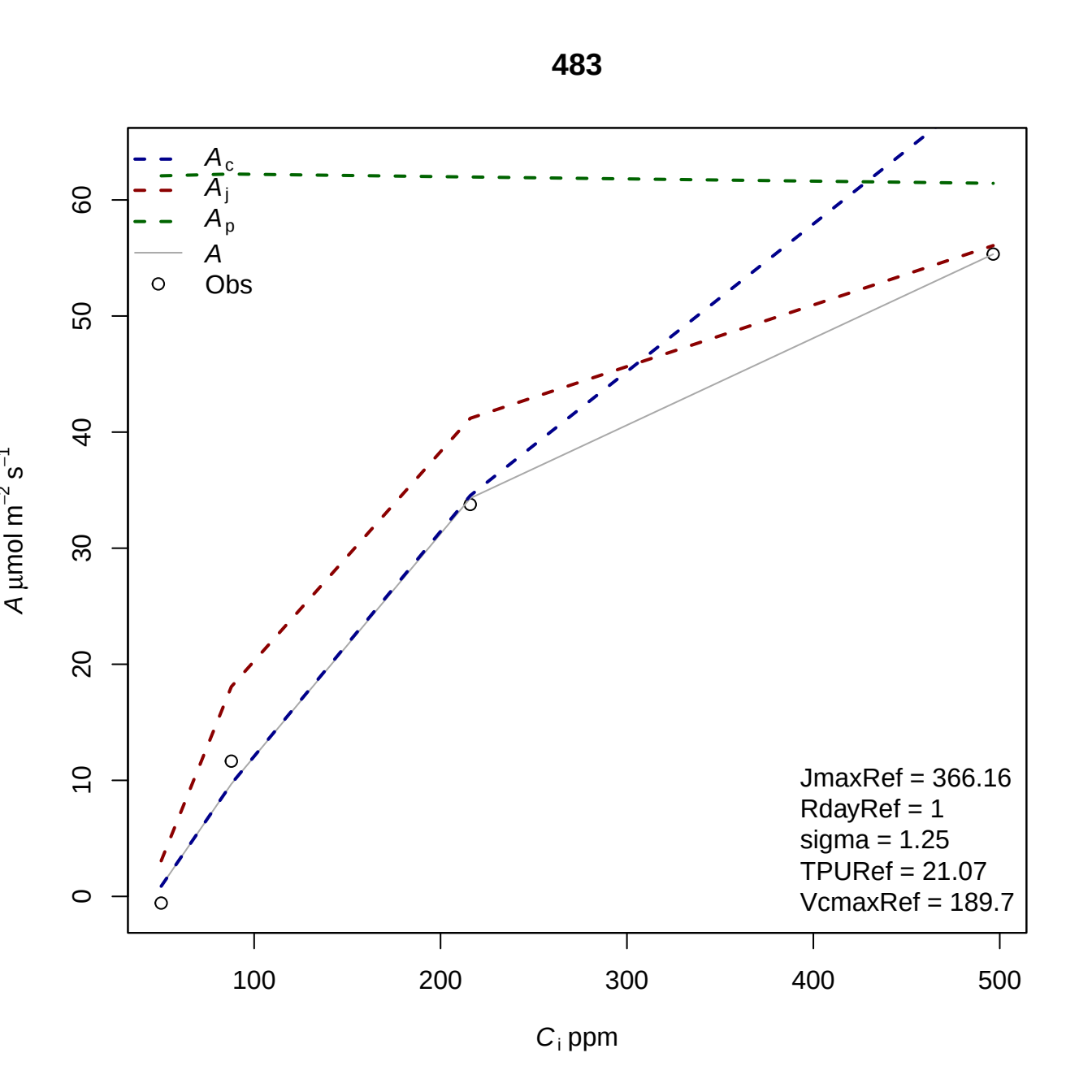

478
A_c
A_j
A_p
A
Obs
JmaxRef = 292.89
RdayRef = 1.21
sigma = 0.37
TPURef = 18.62
VcmaxRef = 153.41
0
10
20
30
40
50
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

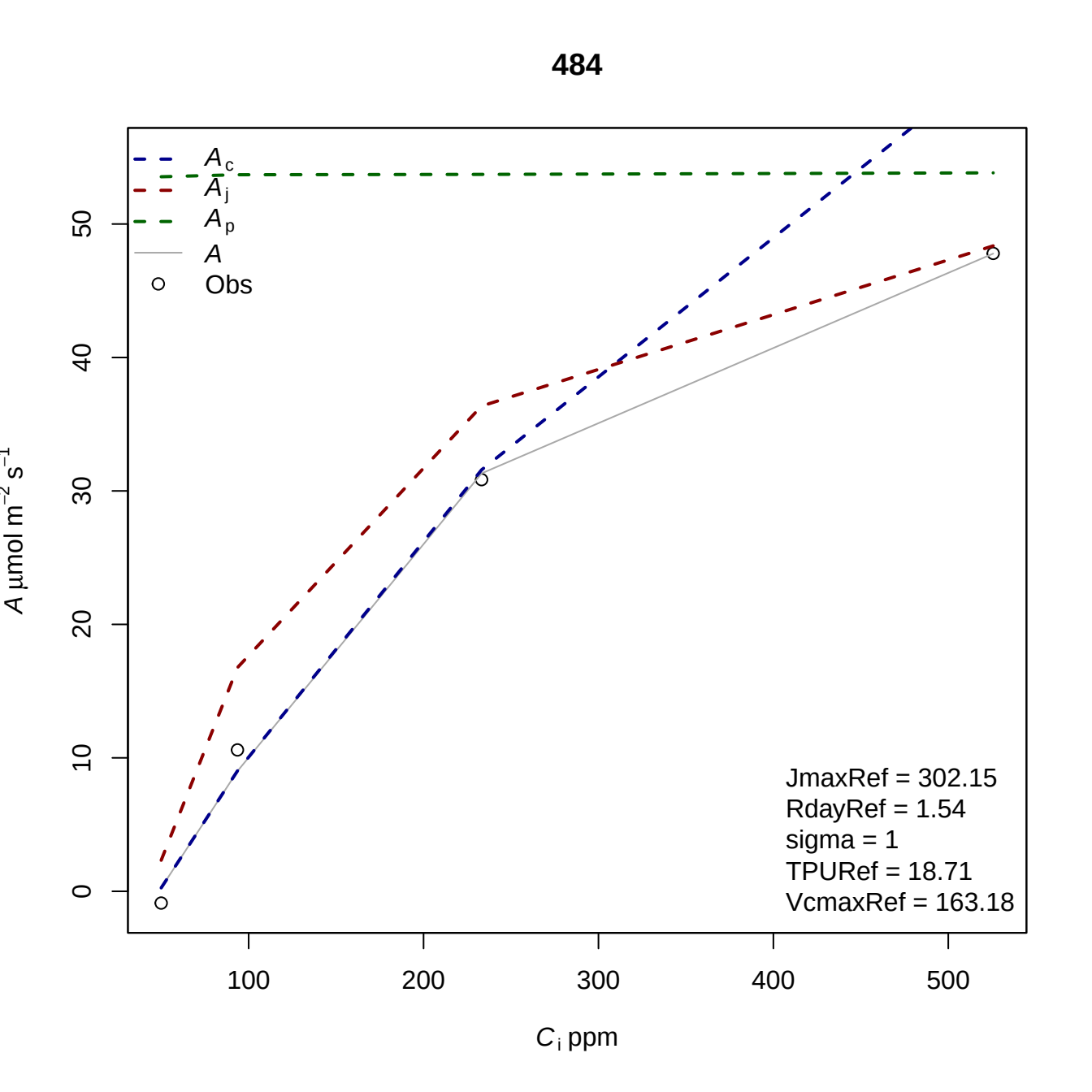

479
A_c
A_j
A_p
A
Obs
JmaxRef = 305.84
RdayRef = 1.19
sigma = 0.37
TPURef = 18.56
VcmaxRef = 146.33
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
500
C_i ppm

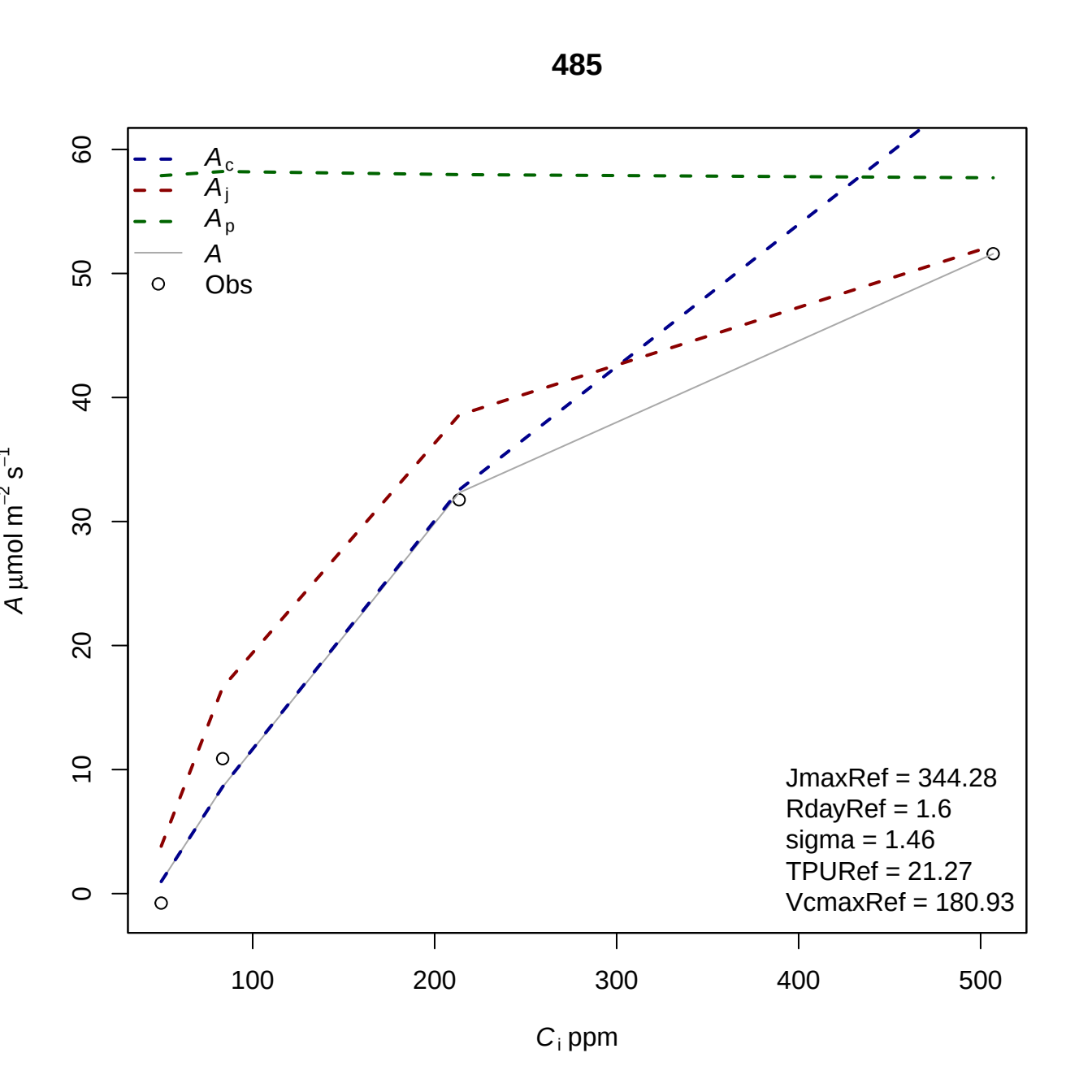

480
A_c
A_j
A_p
A
Obs
JmaxRef = 293.84
RdayRef = 3.6
sigma = 0.65
TPURef = 30559.01
VcmaxRef = 218.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

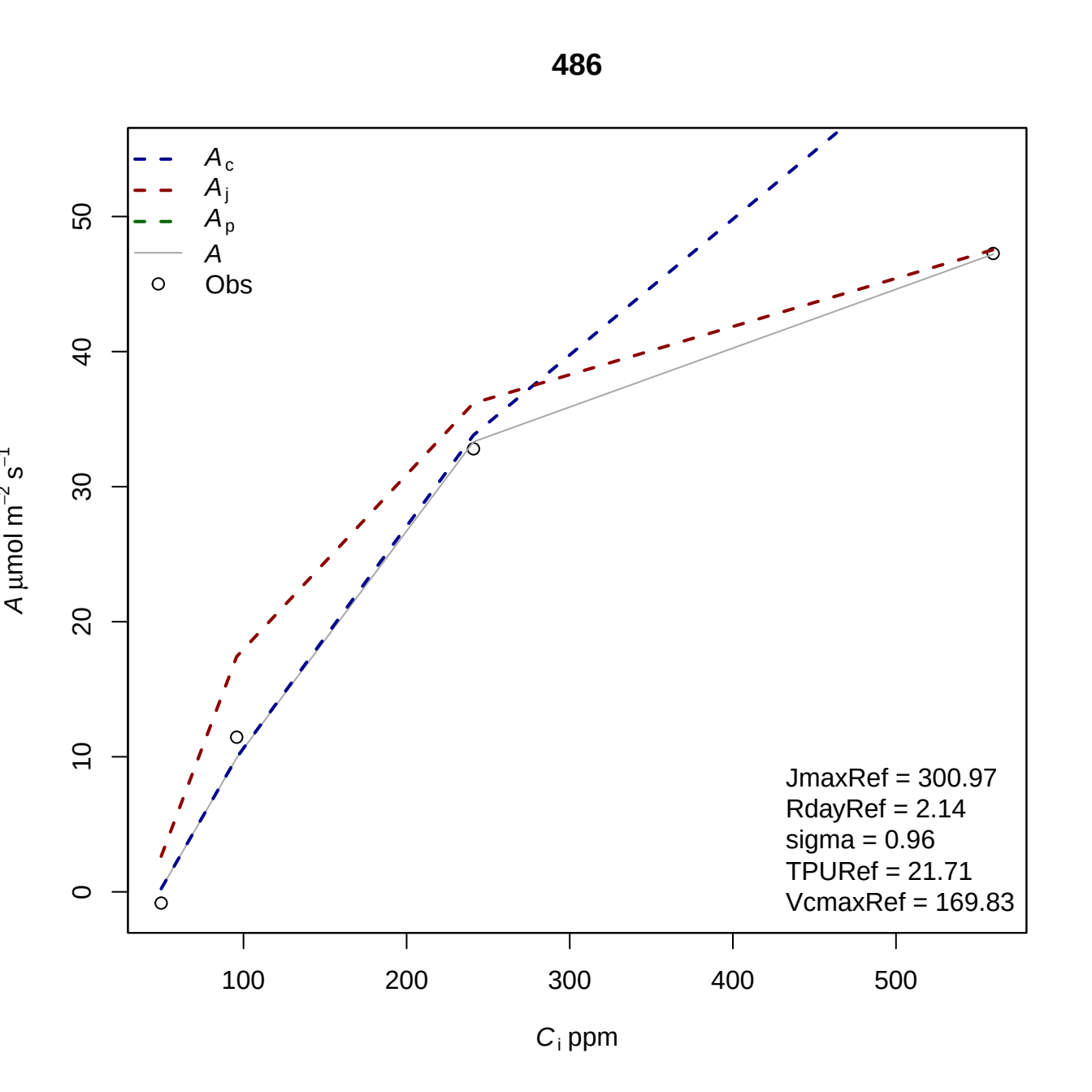

481
A_c
A_j
A_p
A
Obs
JmaxRef = 294.45
RdayRef = 0.78
sigma = 0.04
TPURef = 6928.6
VcmaxRef = 149.44
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

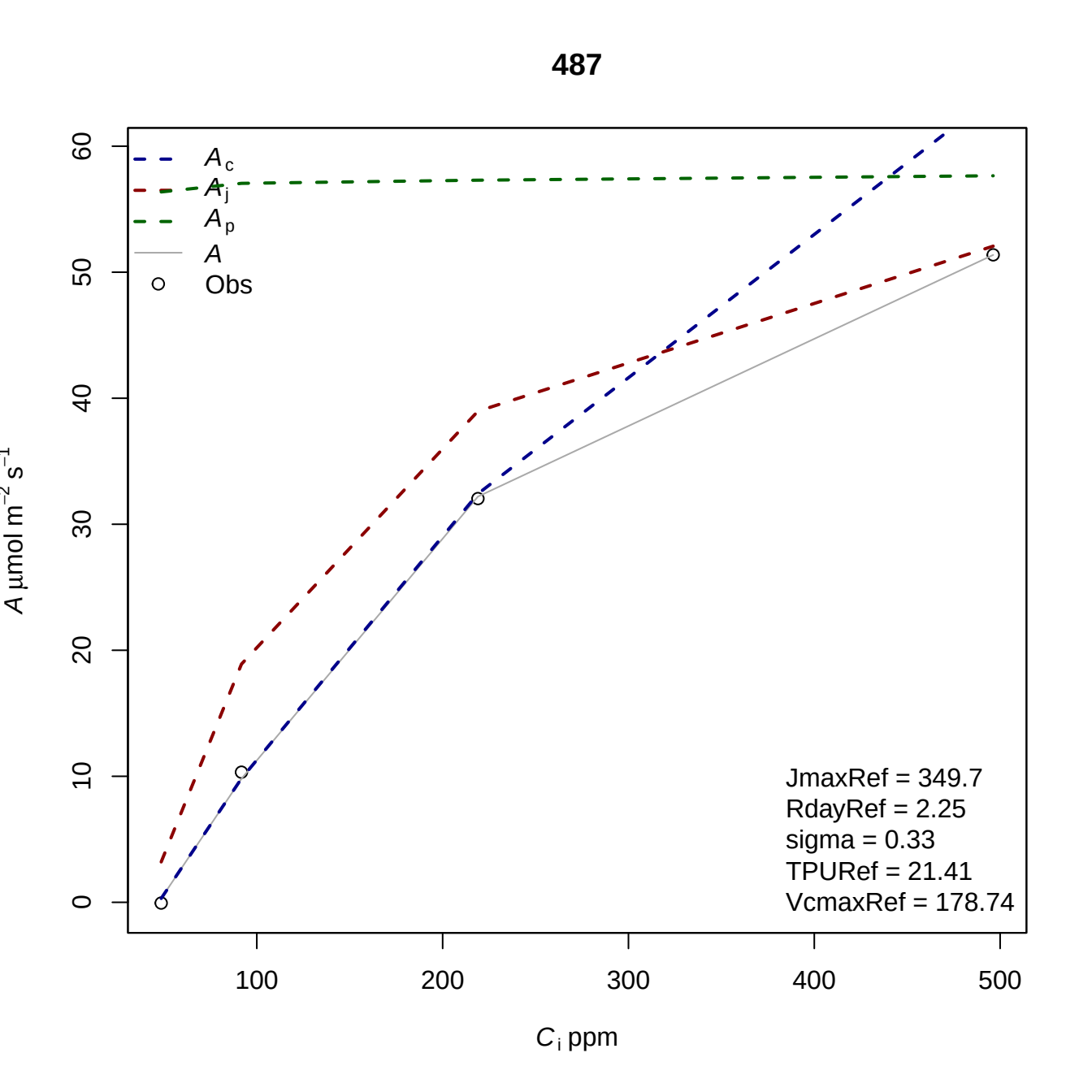

482
A_c
A_j
A_p
A
Obs
JmaxRef = 283.85
RdayRef = 0.71
sigma = 0.32
TPURef = 18.67
VcmaxRef = 144.73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

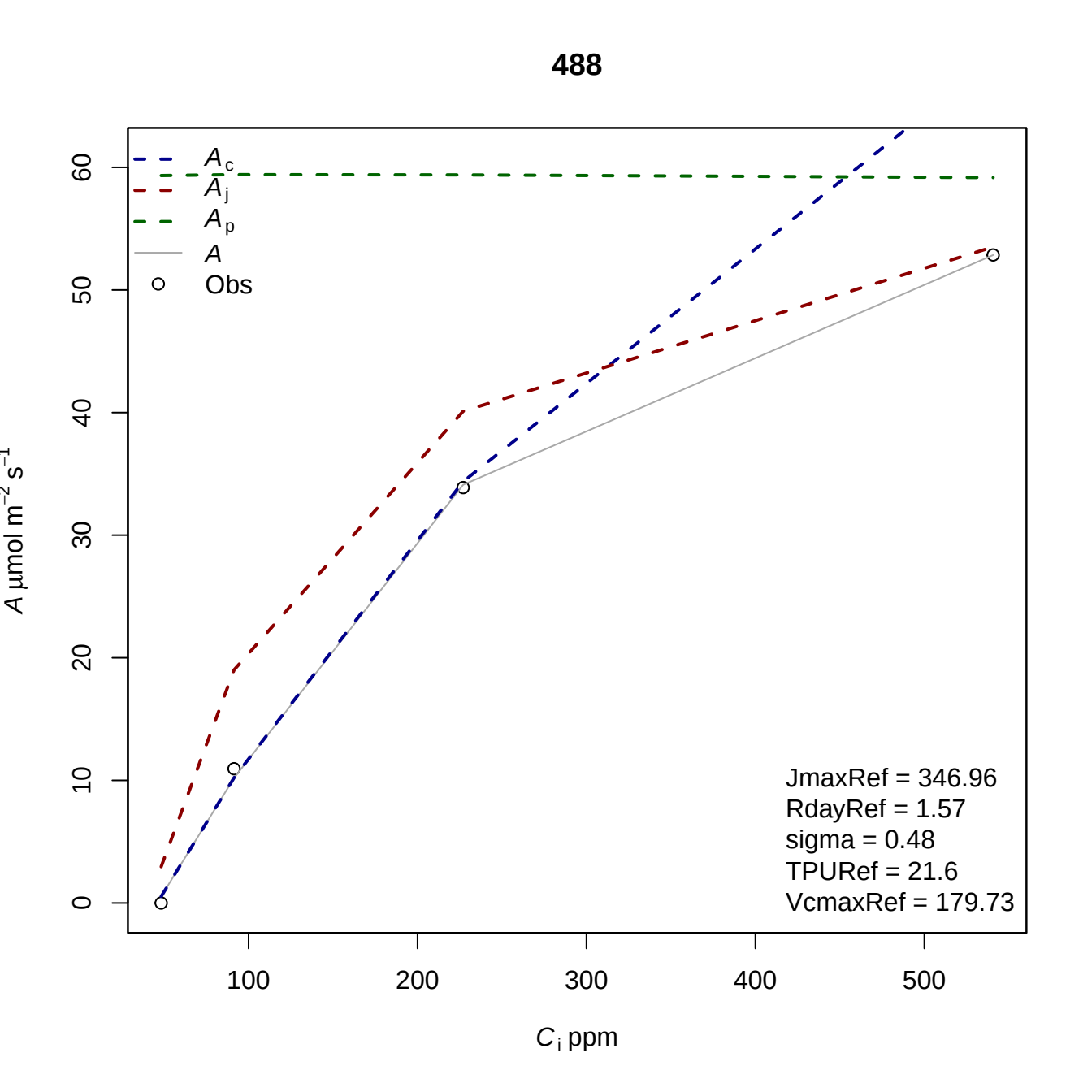

483
A_c
A_j
A_p
A
Obs
JmaxRef = 366.16
RdayRef = 1
sigma = 1.25
TPURef = 21.07
VcmaxRef = 189.7
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

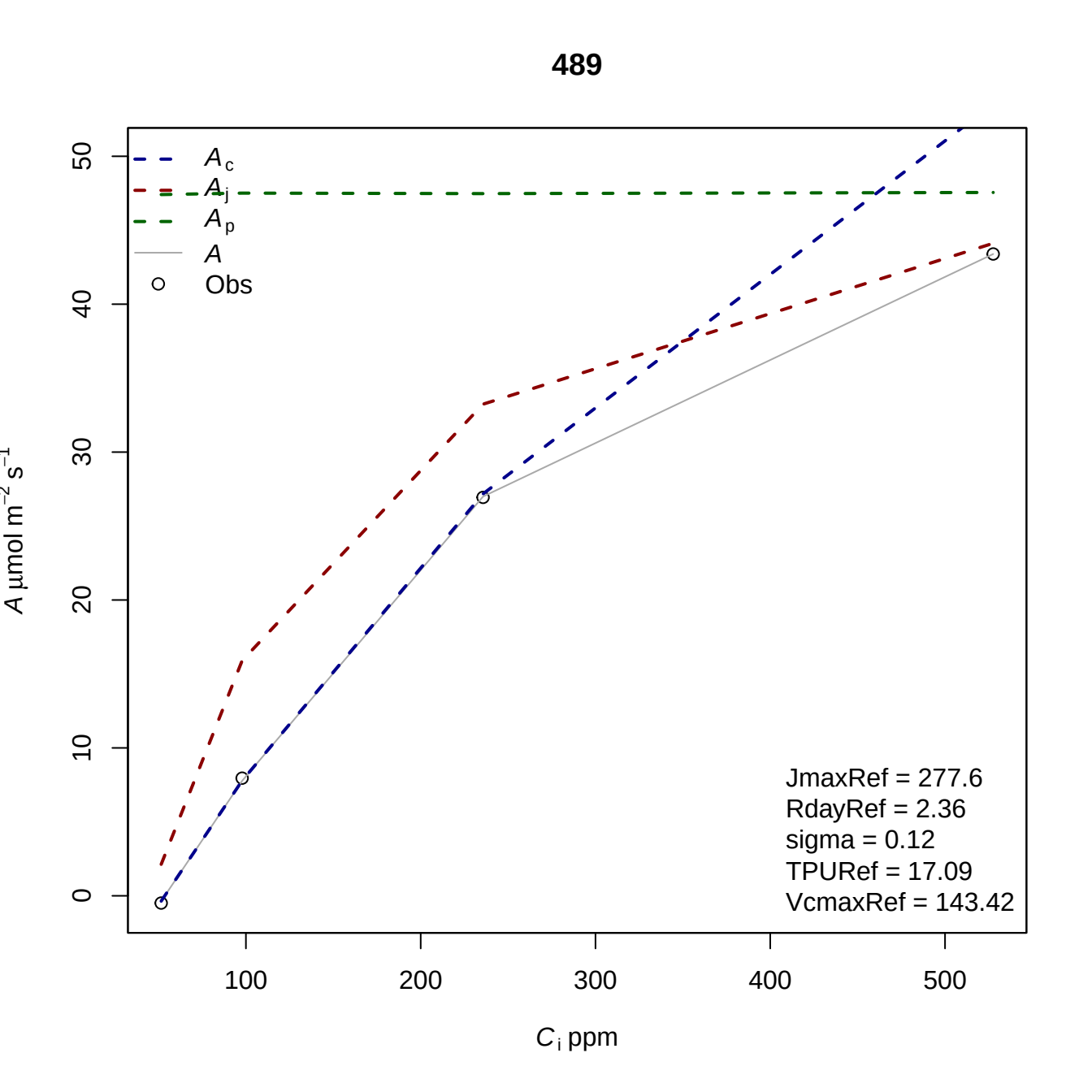

484
A_c
A_j
A_p
A
Obs
JmaxRef = 302.15
RdayRef = 1.54
sigma = 1
TPURef = 18.71
VcmaxRef = 163.18
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

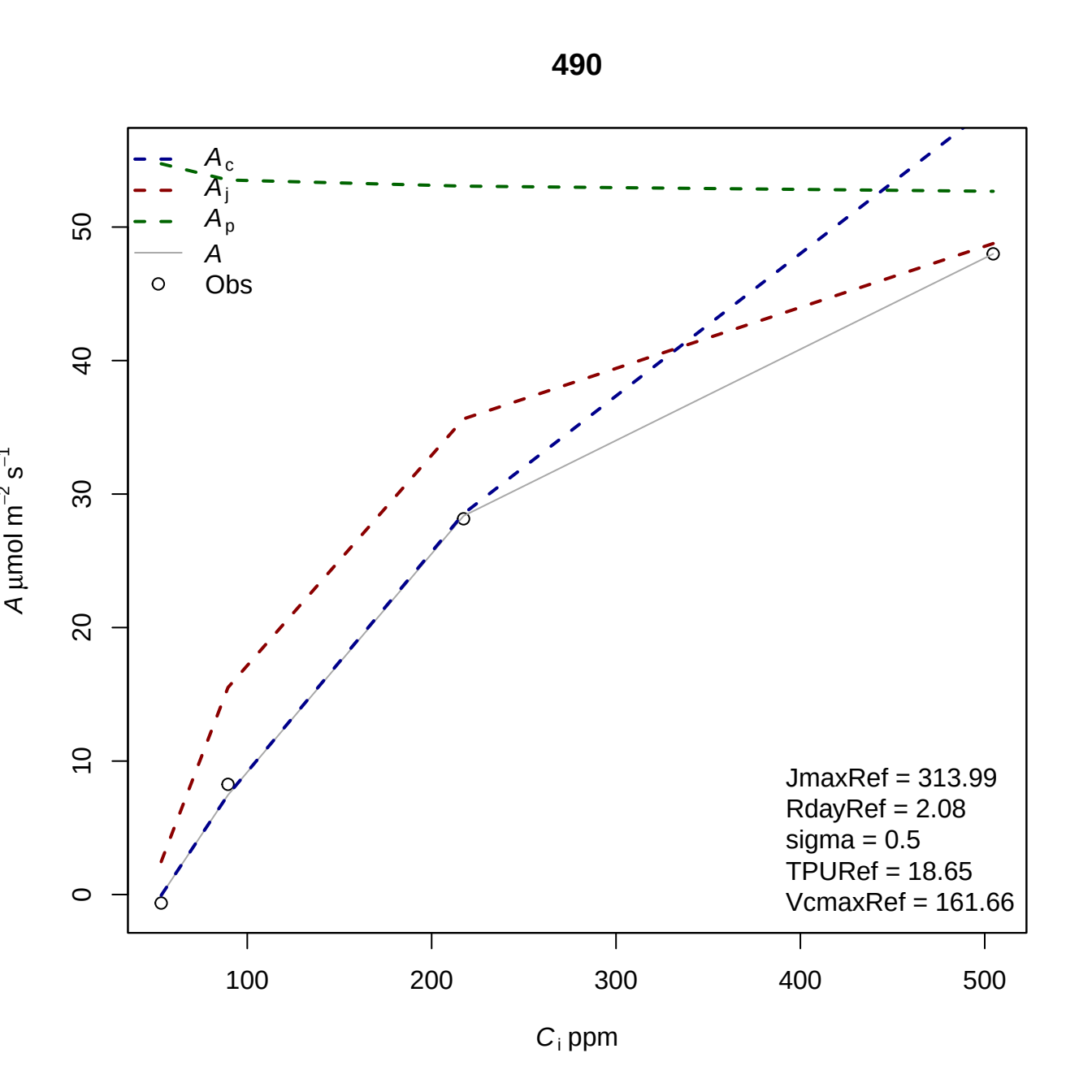

485
A_c
A_j
A_p
A
Obs
JmaxRef = 344.28
RdayRef = 1.6
sigma = 1.46
TPURef = 21.27
VcmaxRef = 180.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

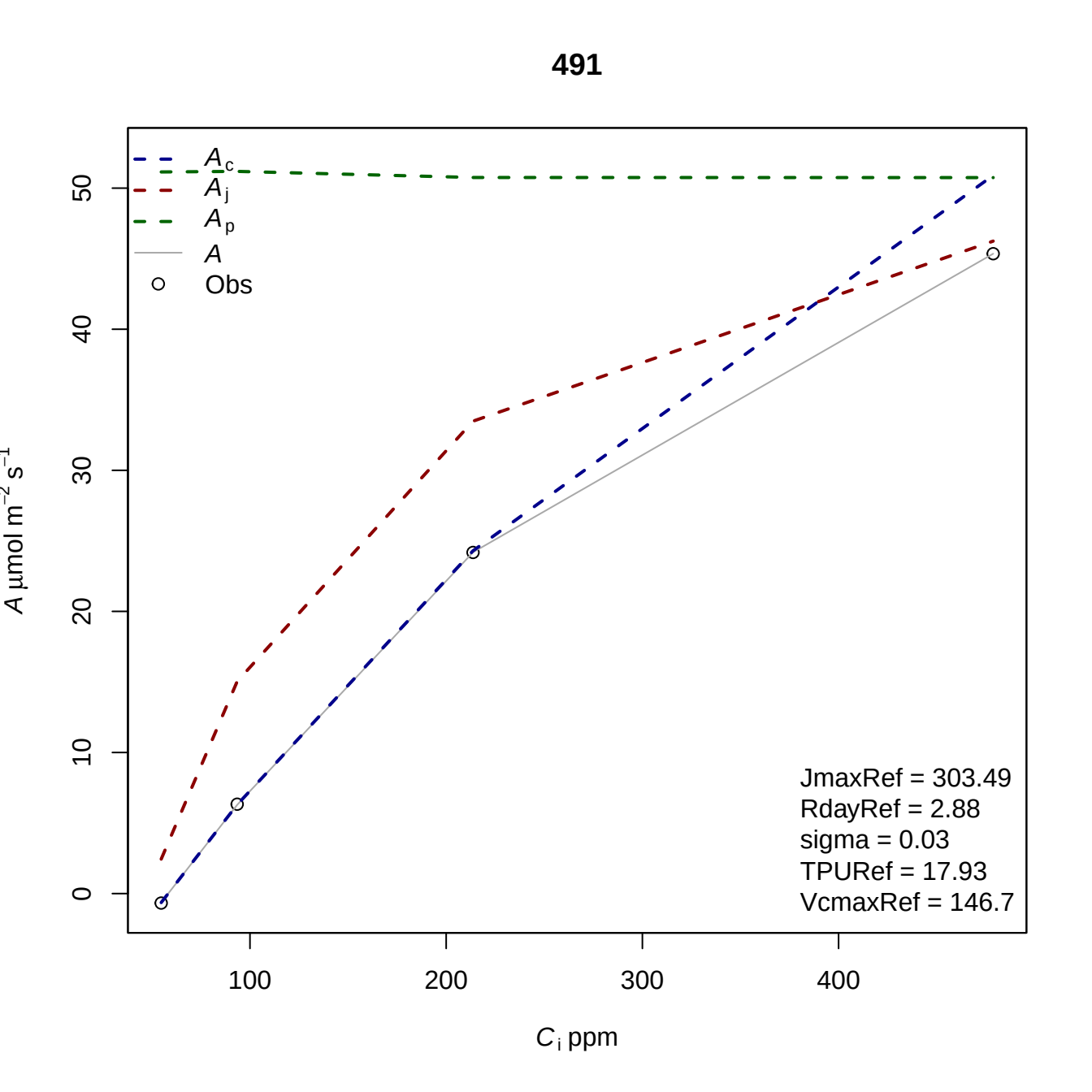

486
A_c
A_j
A_p
A
Obs
JmaxRef = 300.97
RdayRef = 2.14
sigma = 0.96
TPURef = 21.71
VcmaxRef = 169.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

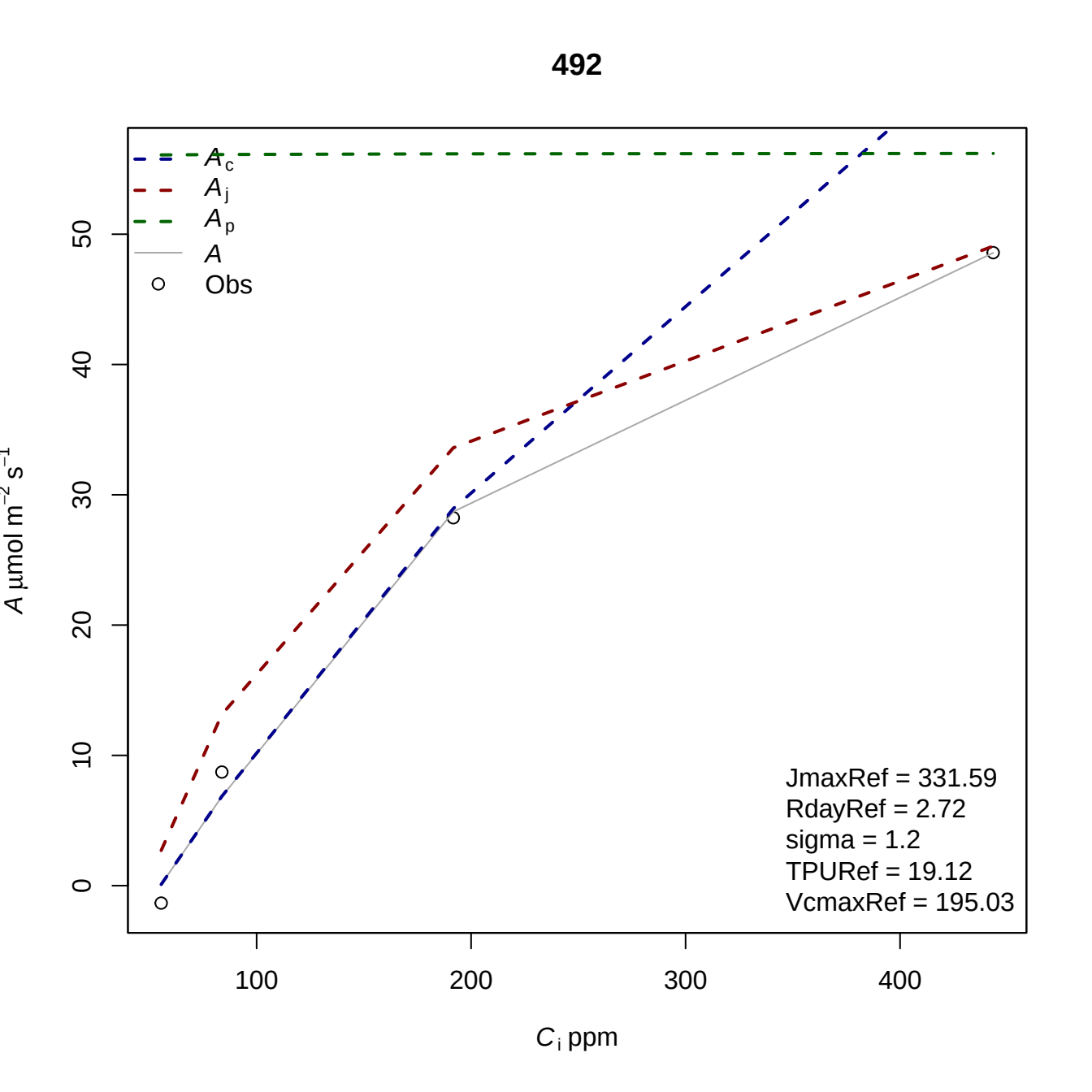

487
A_c
A_j
A_p
A
Obs
JmaxRef = 349.7
RdayRef = 2.25
sigma = 0.33
TPURef = 21.41
VcmaxRef = 178.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

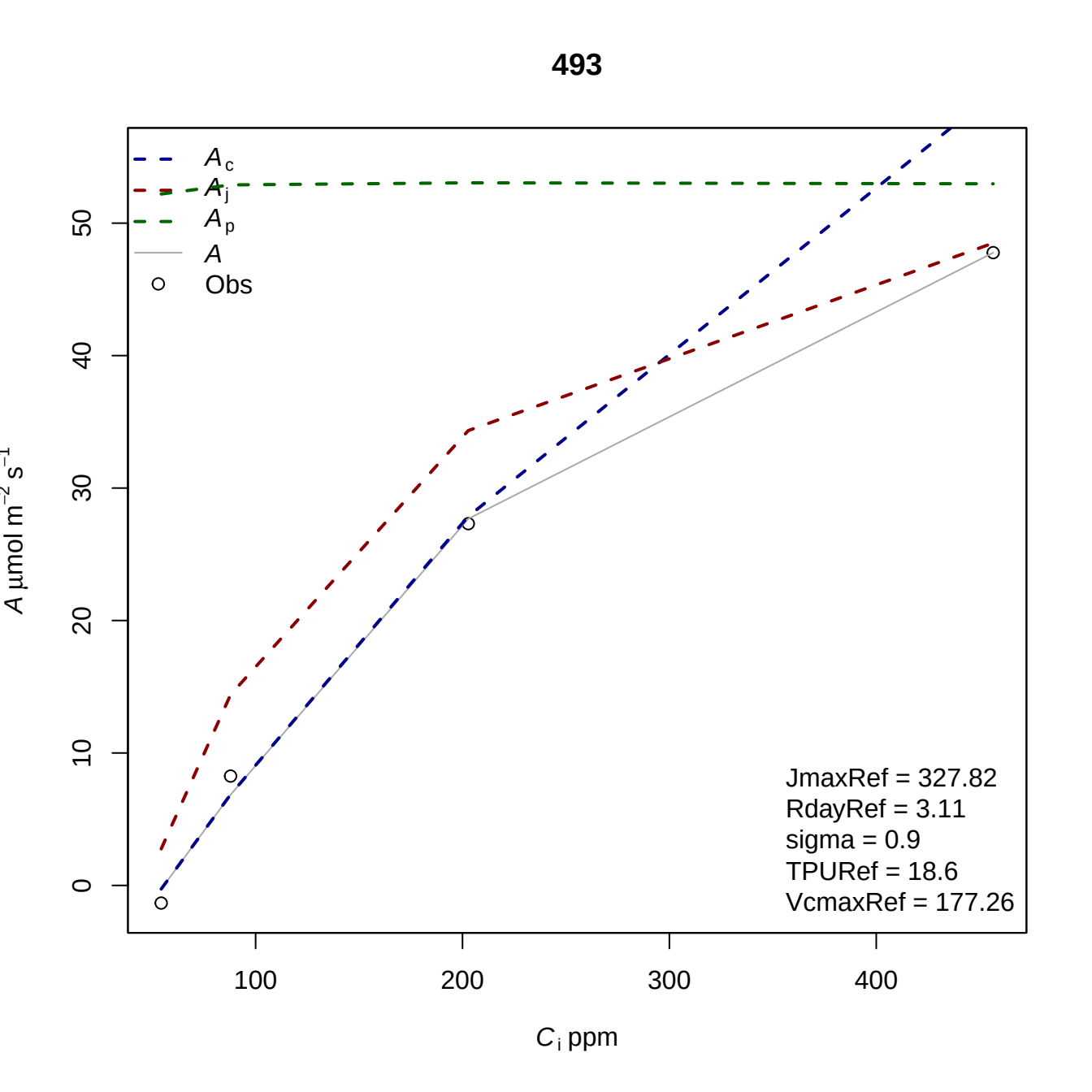

488
A_c
A_j
A_p
A
Obs
JmaxRef = 346.96
RdayRef = 1.57
sigma = 0.48
TPURef = 21.6
VcmaxRef = 179.73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

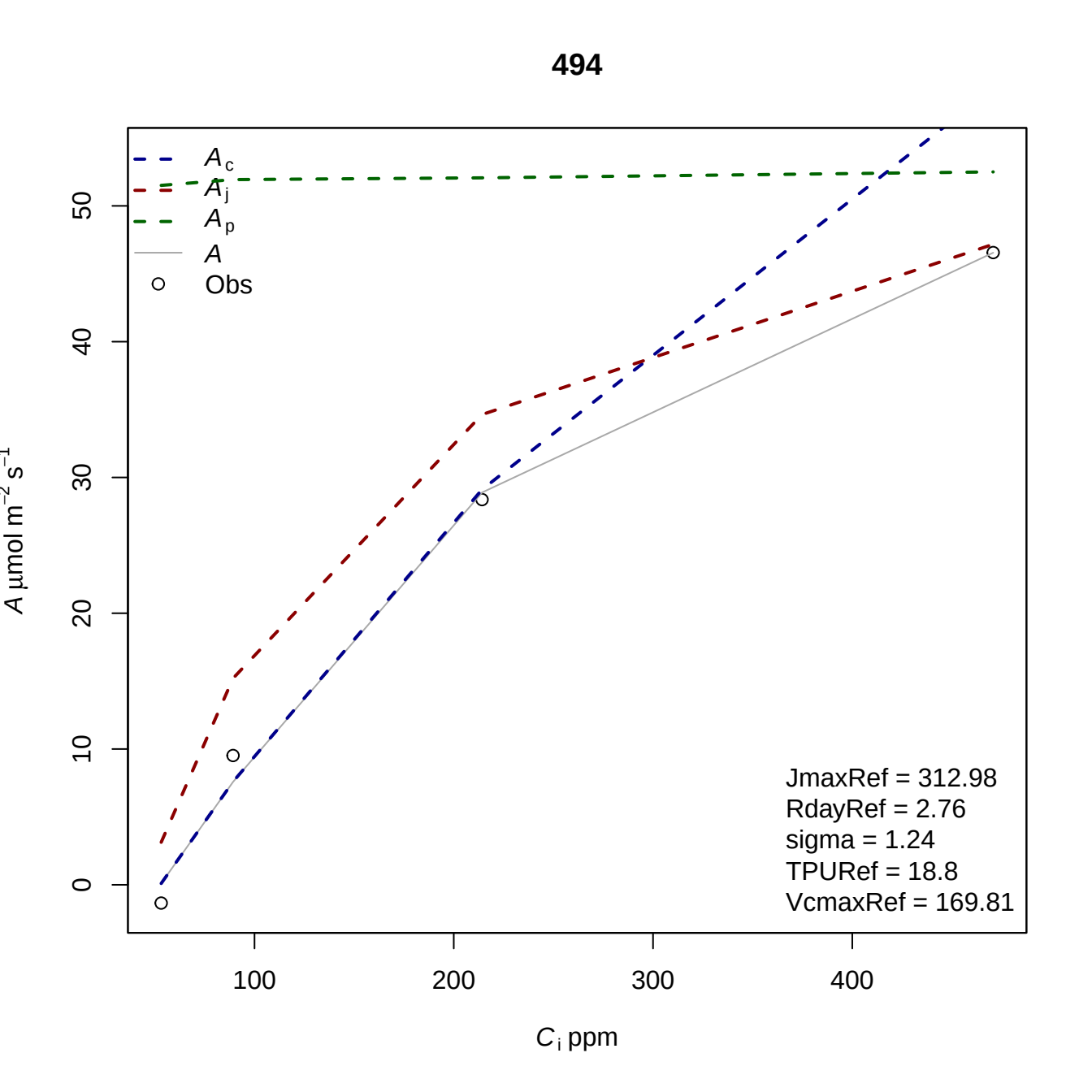

489
A_c
A_j
A_p
A
Obs
JmaxRef = 277.6
RdayRef = 2.36
sigma = 0.12
TPURef = 17.09
VcmaxRef = 143.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

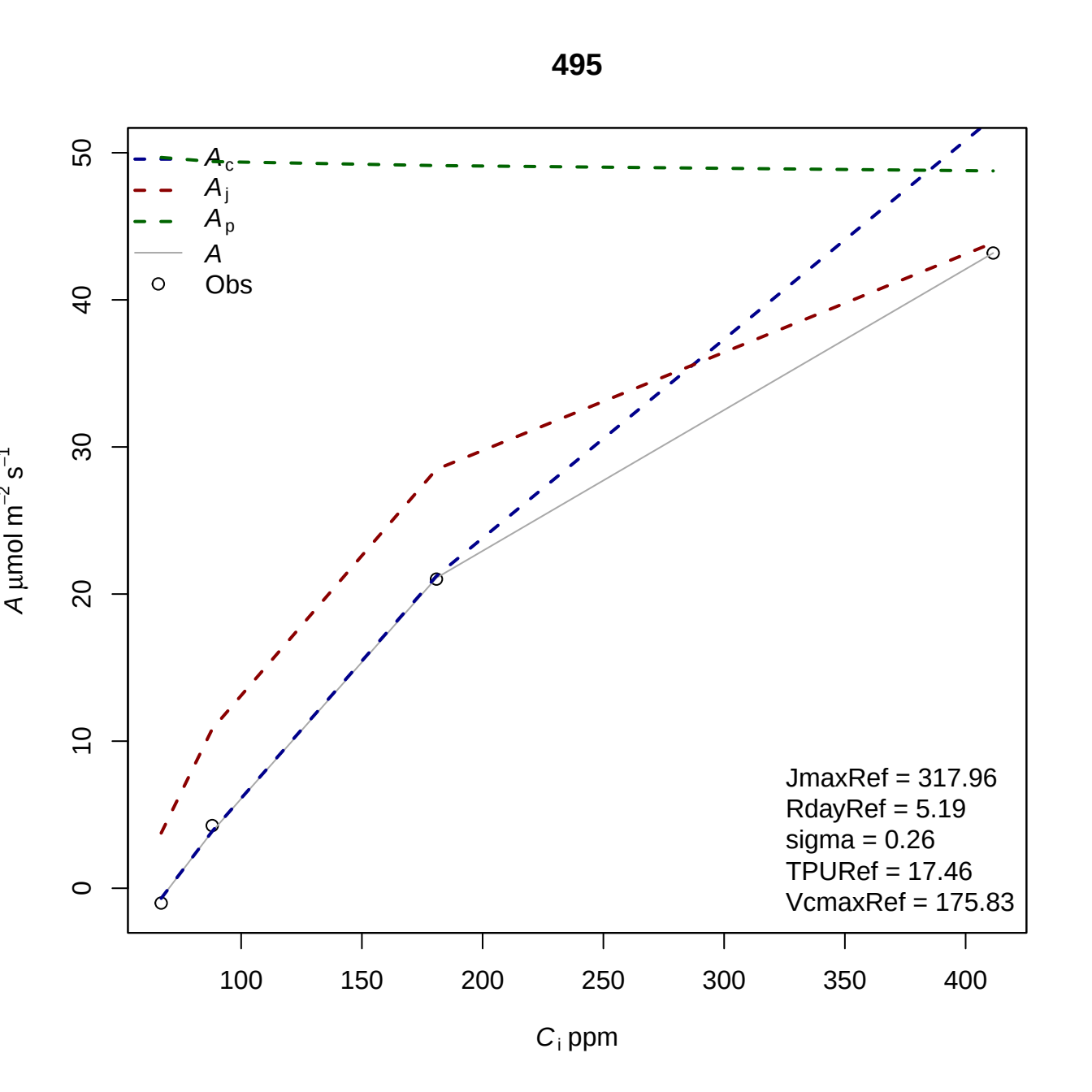

490
A_c
A_j
A_p
A
Obs
JmaxRef = 313.99
RdayRef = 2.08
sigma = 0.5
TPURef = 18.65
VcmaxRef = 161.66
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

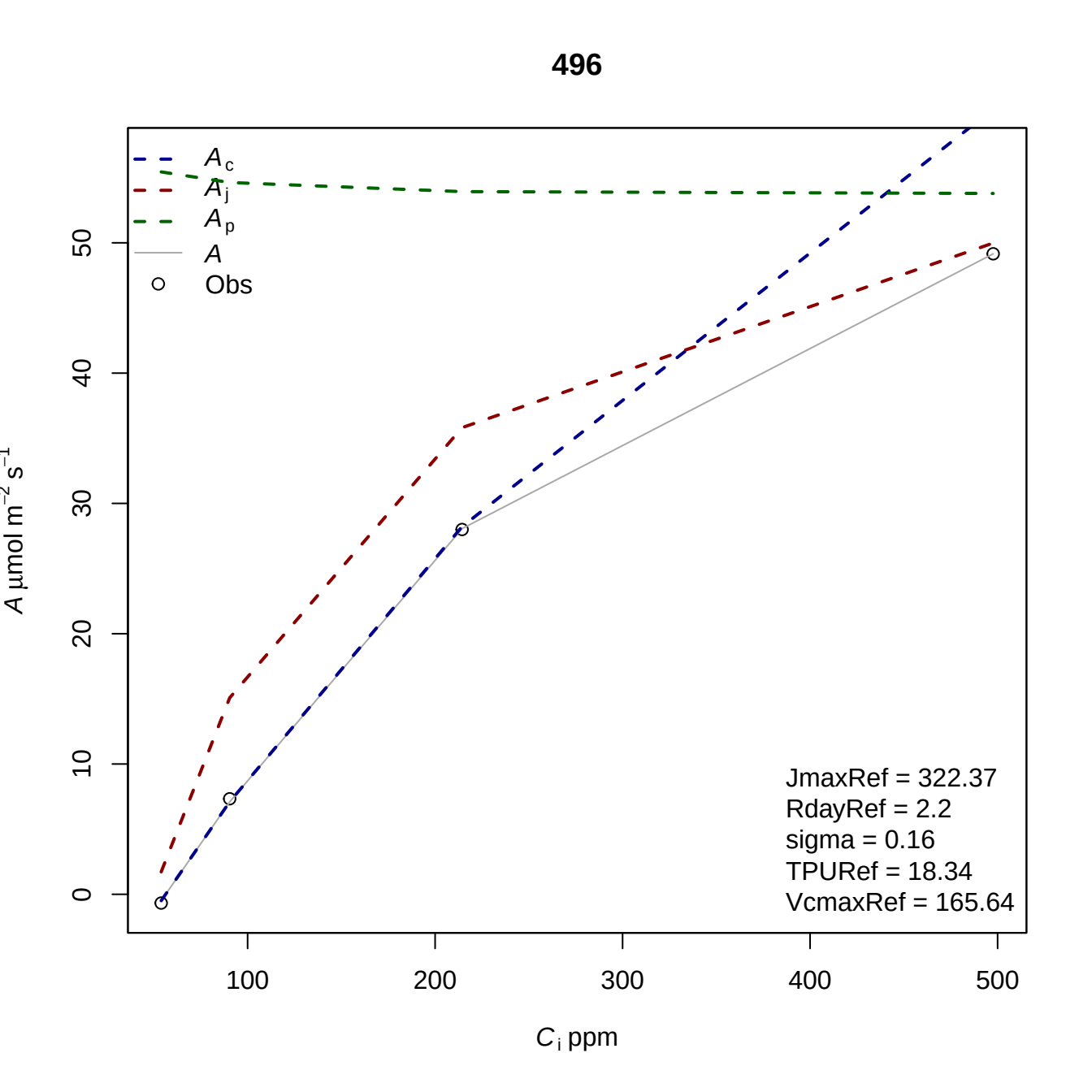

491
A_c
A_j
A_p
A
Obs
JmaxRef = 303.49
RdayRef = 2.88
sigma = 0.03
TPURef = 17.93
VcmaxRef = 146.7
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

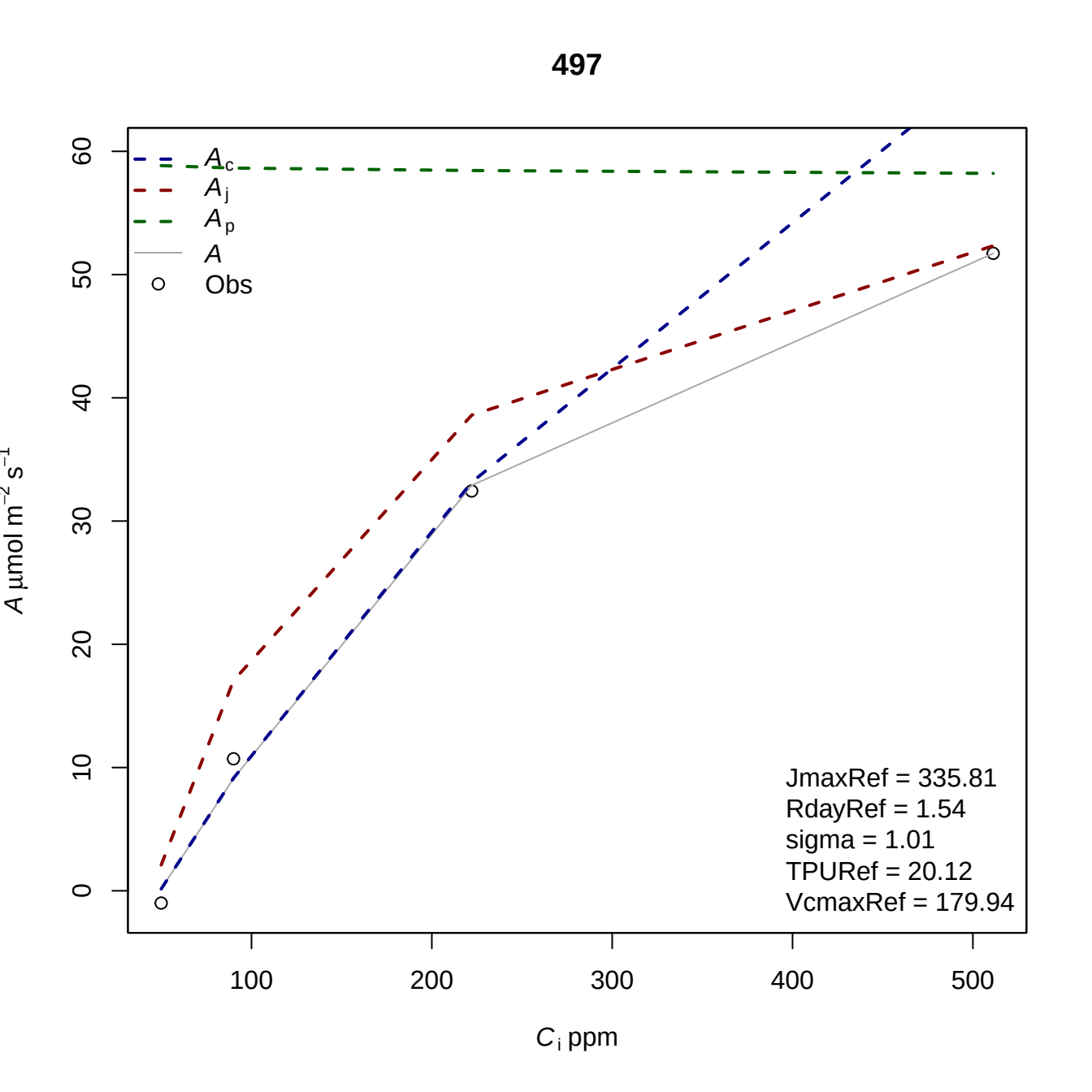

492
A_c
A_j
A_p
A
Obs
JmaxRef = 331.59
RdayRef = 2.72
sigma = 1.2
TPURef = 19.12
VcmaxRef = 195.03
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

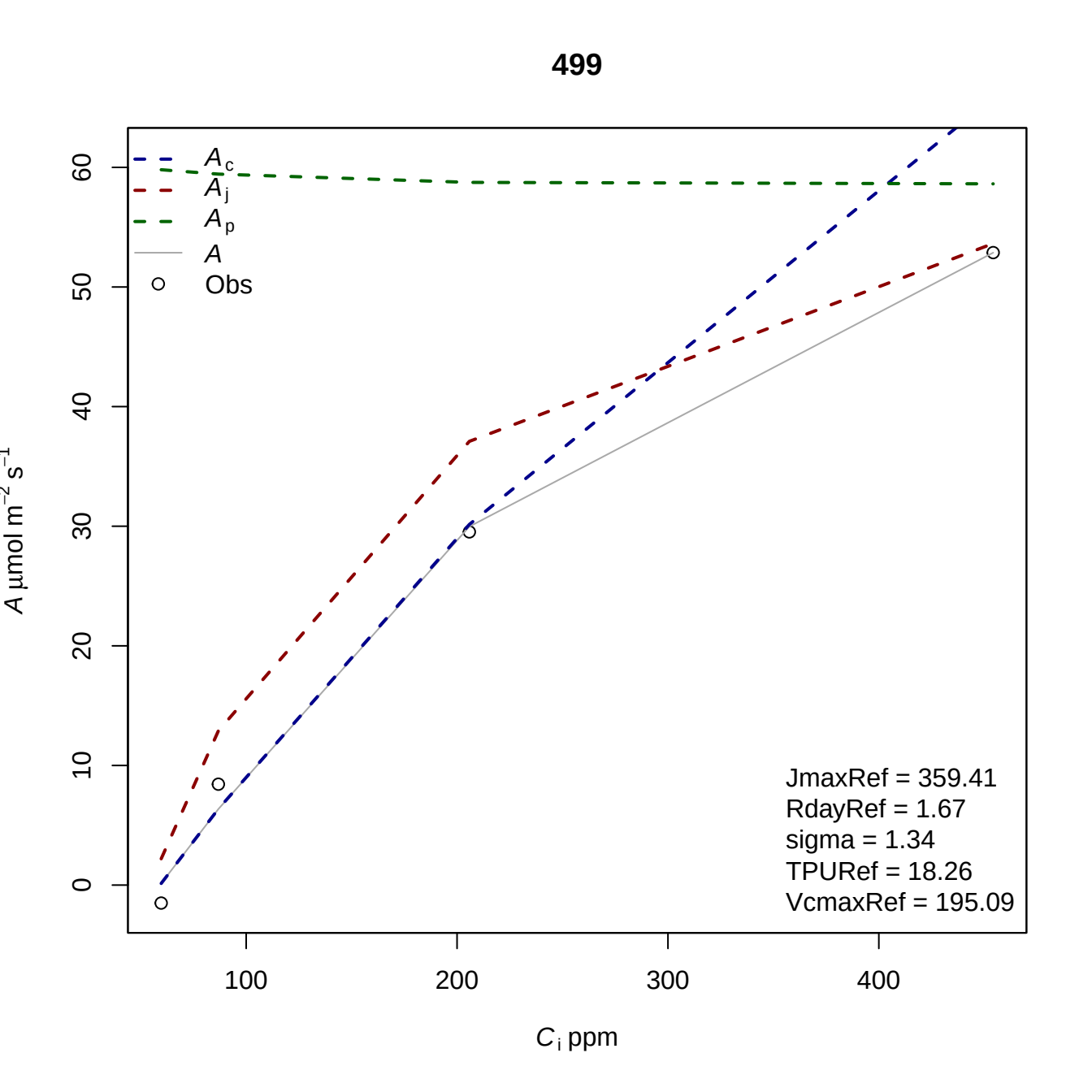

493
A_c
A_j
A_p
A
Obs
JmaxRef = 327.82
RdayRef = 3.11
sigma = 0.9
TPURef = 18.6
VcmaxRef = 177.26
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

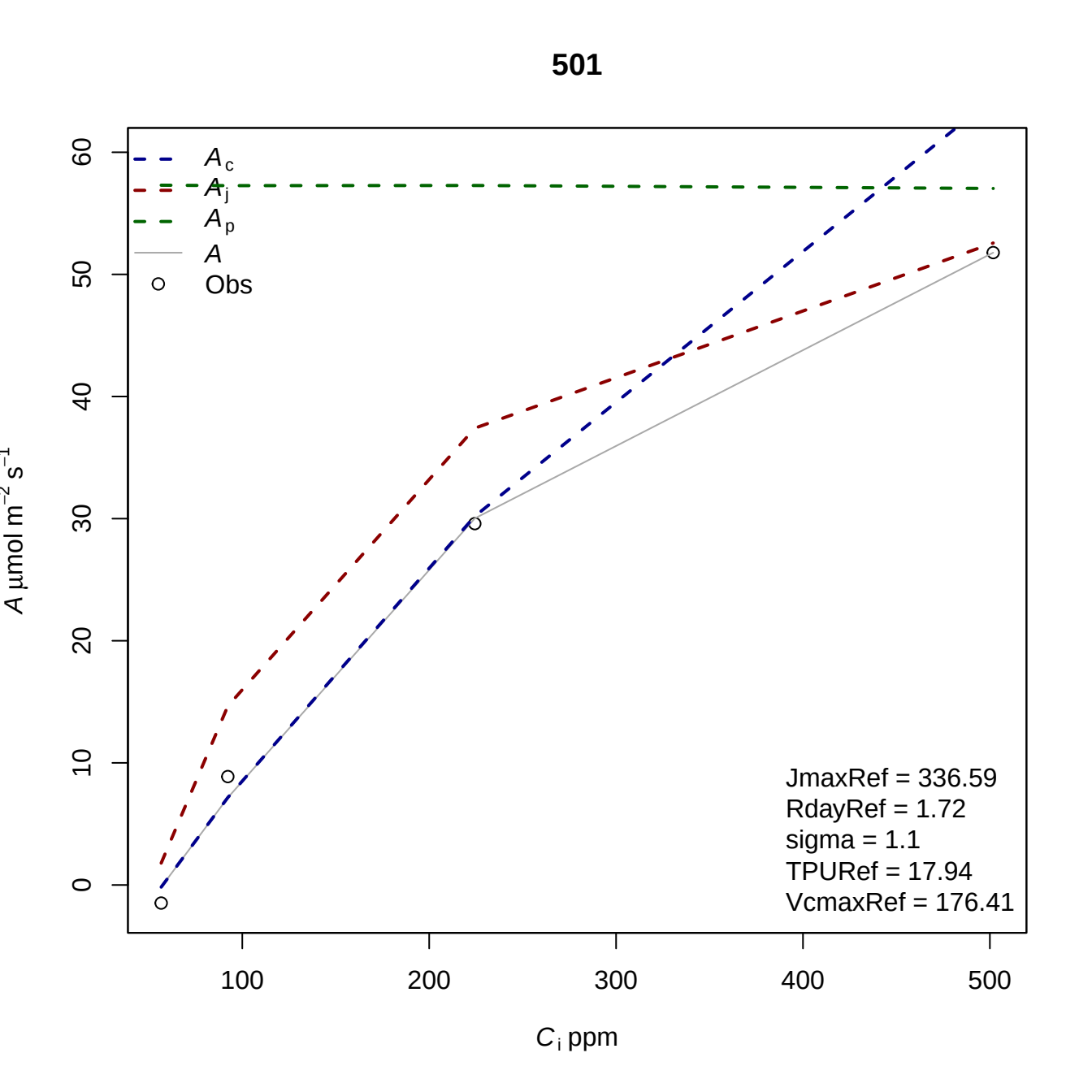

494
A_c
A_j
A_p
A
Obs
JmaxRef = 312.98
RdayRef = 2.76
sigma = 1.24
TPURef = 18.8
VcmaxRef = 169.81
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

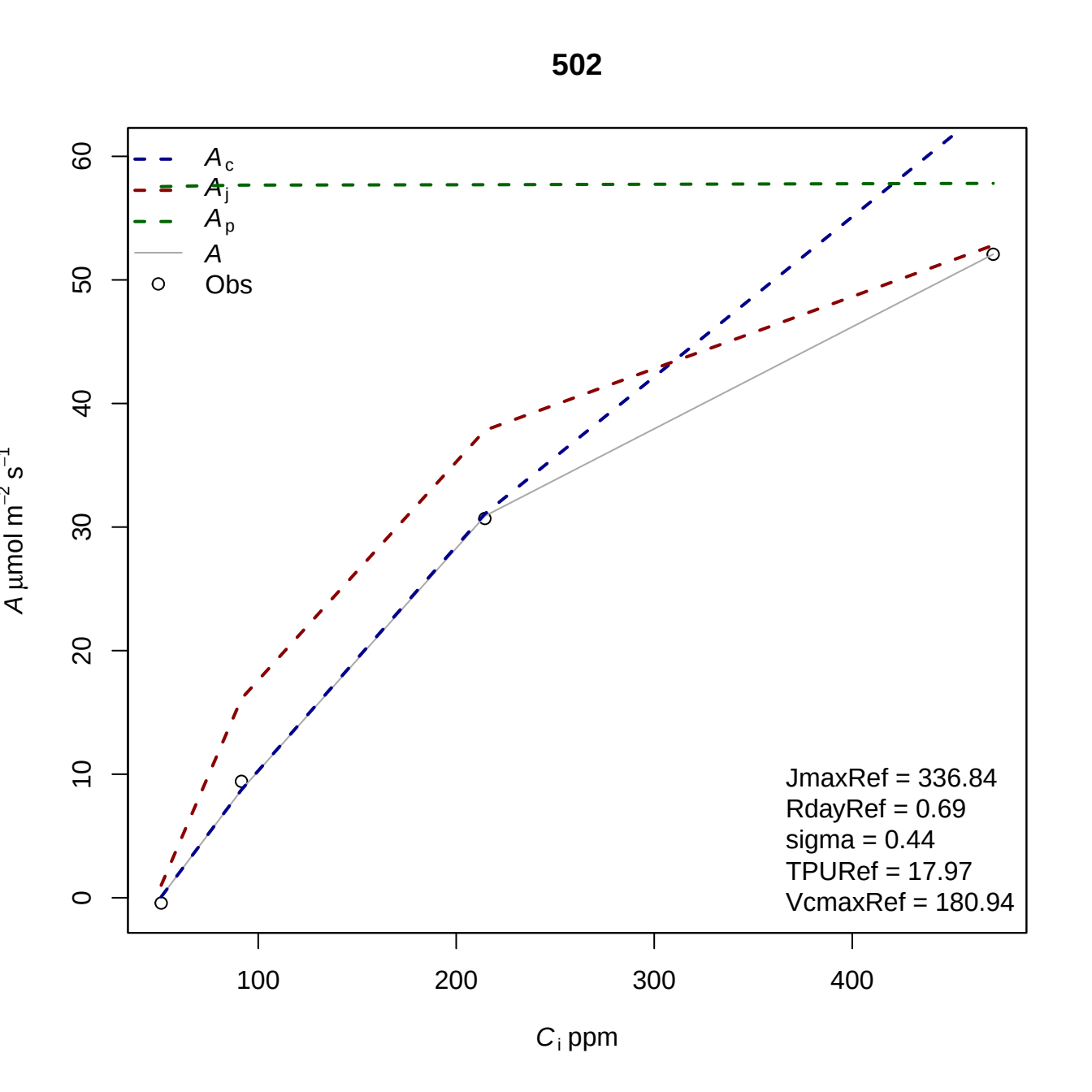

495
A_c
A_j
A_p
A
Obs
JmaxRef = 317.96
RdayRef = 5.19
sigma = 0.26
TPURef = 17.46
VcmaxRef = 175.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
150
200
250
300
350
400

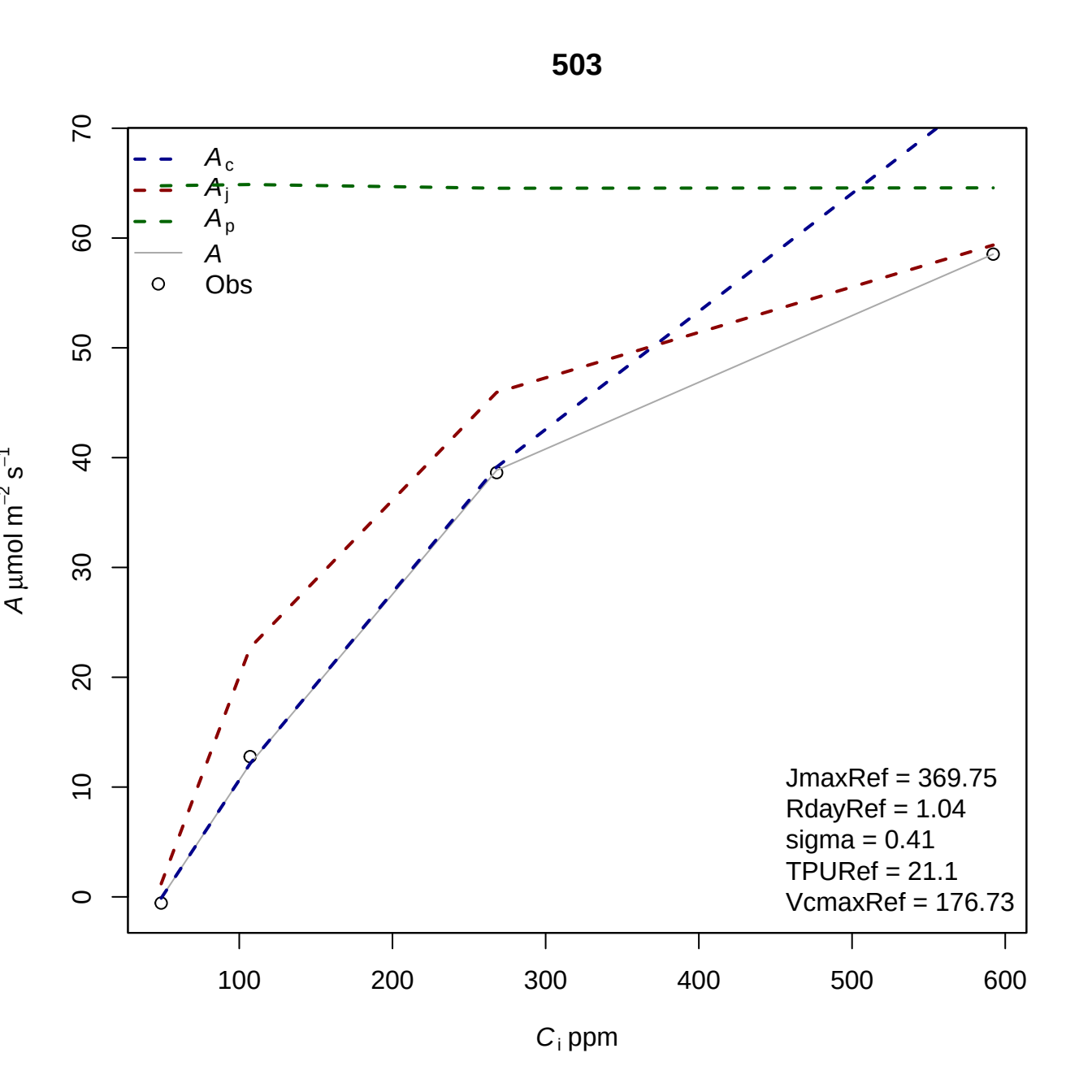

496
A_c
A_j
A_p
A
Obs
JmaxRef = 322.37
RdayRef = 2.2
sigma = 0.16
TPURef = 18.34
VcmaxRef = 165.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

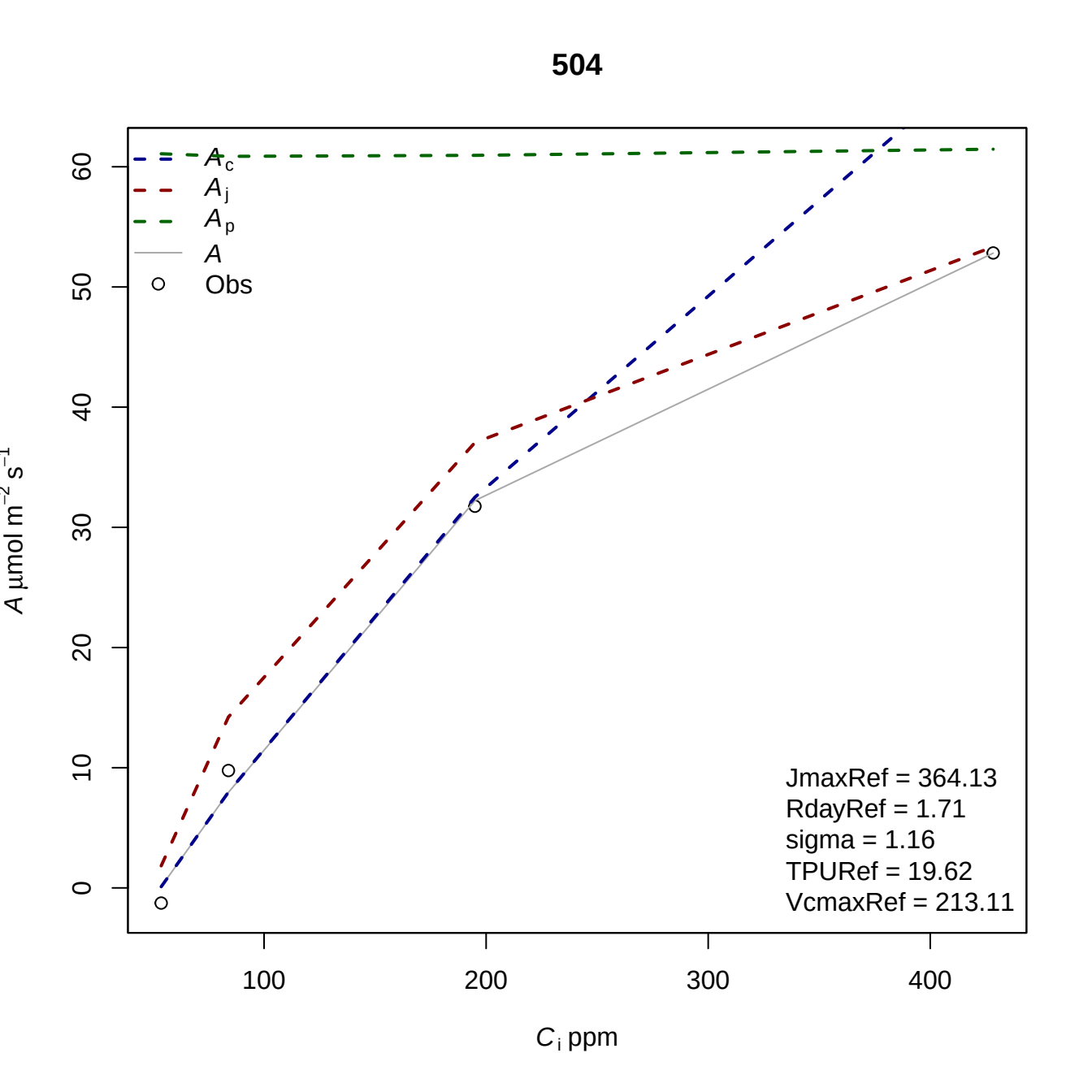

497
A_c
A_j
A_p
A
Obs
JmaxRef = 335.81
RdayRef = 1.54
sigma = 1.01
TPURef = 20.12
VcmaxRef = 179.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

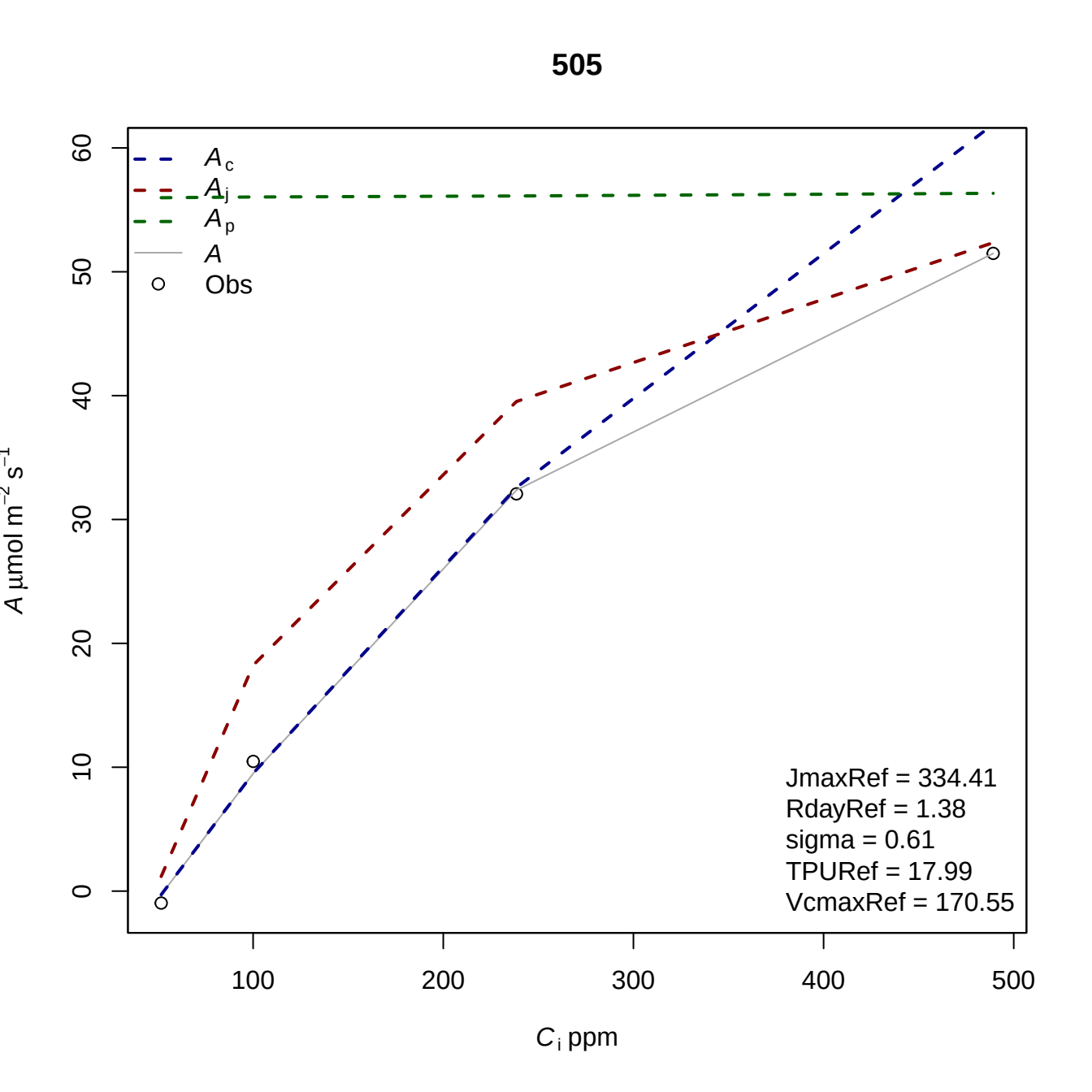

499
A_c
A_j
A_p
A
Obs
JmaxRef = 359.41
RdayRef = 1.67
sigma = 1.34
TPURef = 18.26
VcmaxRef = 195.09
0
10
20
30
40
50
60
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

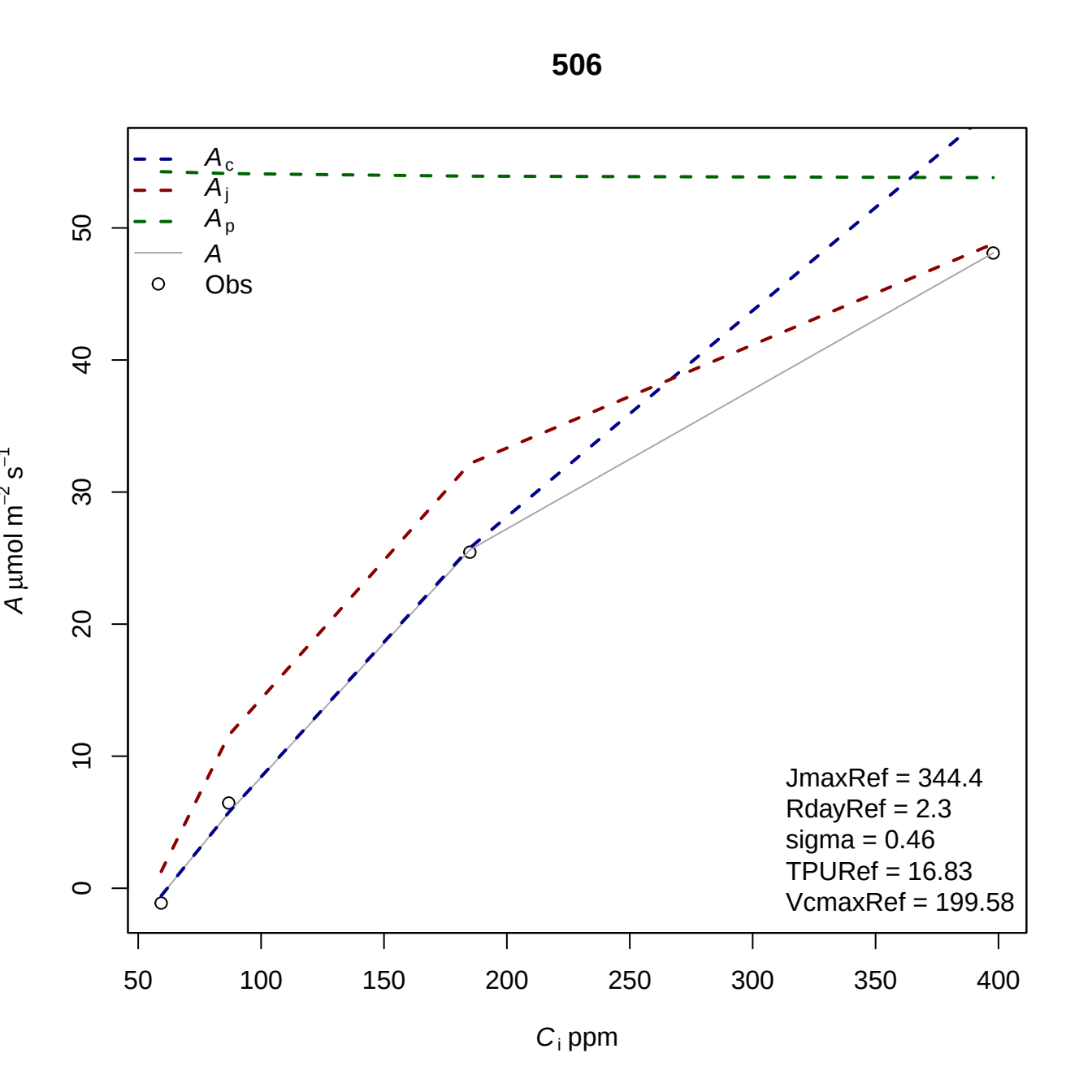

501
A_c
A_j
A_p
A
Obs
JmaxRef = 336.59
RdayRef = 1.72
sigma = 1.1
TPURef = 17.94
VcmaxRef = 176.41
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

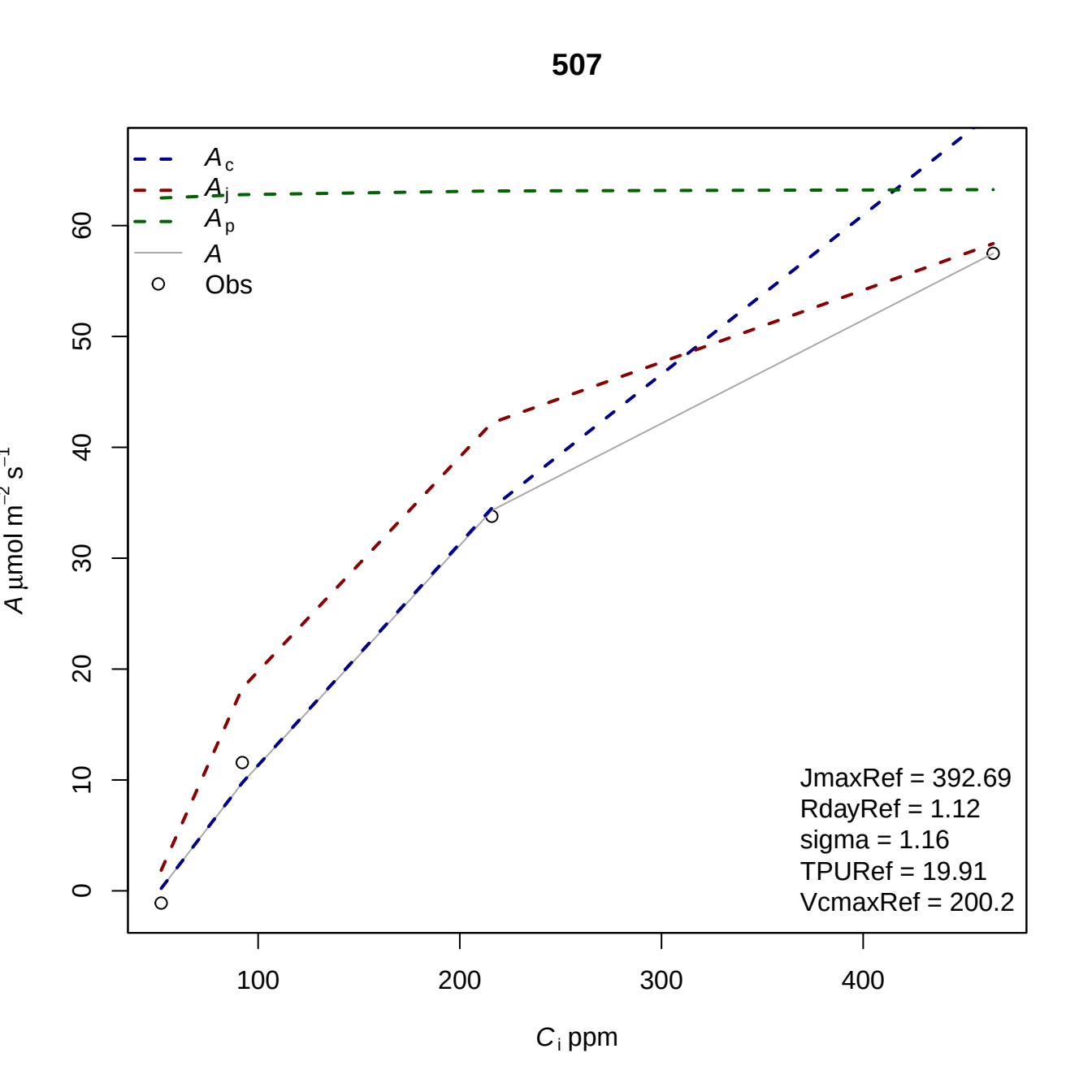

502
A_c
A_j
A_p
A
Obs
JmaxRef = 336.84
RdayRef = 0.69
sigma = 0.44
TPURef = 17.97
VcmaxRef = 180.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400

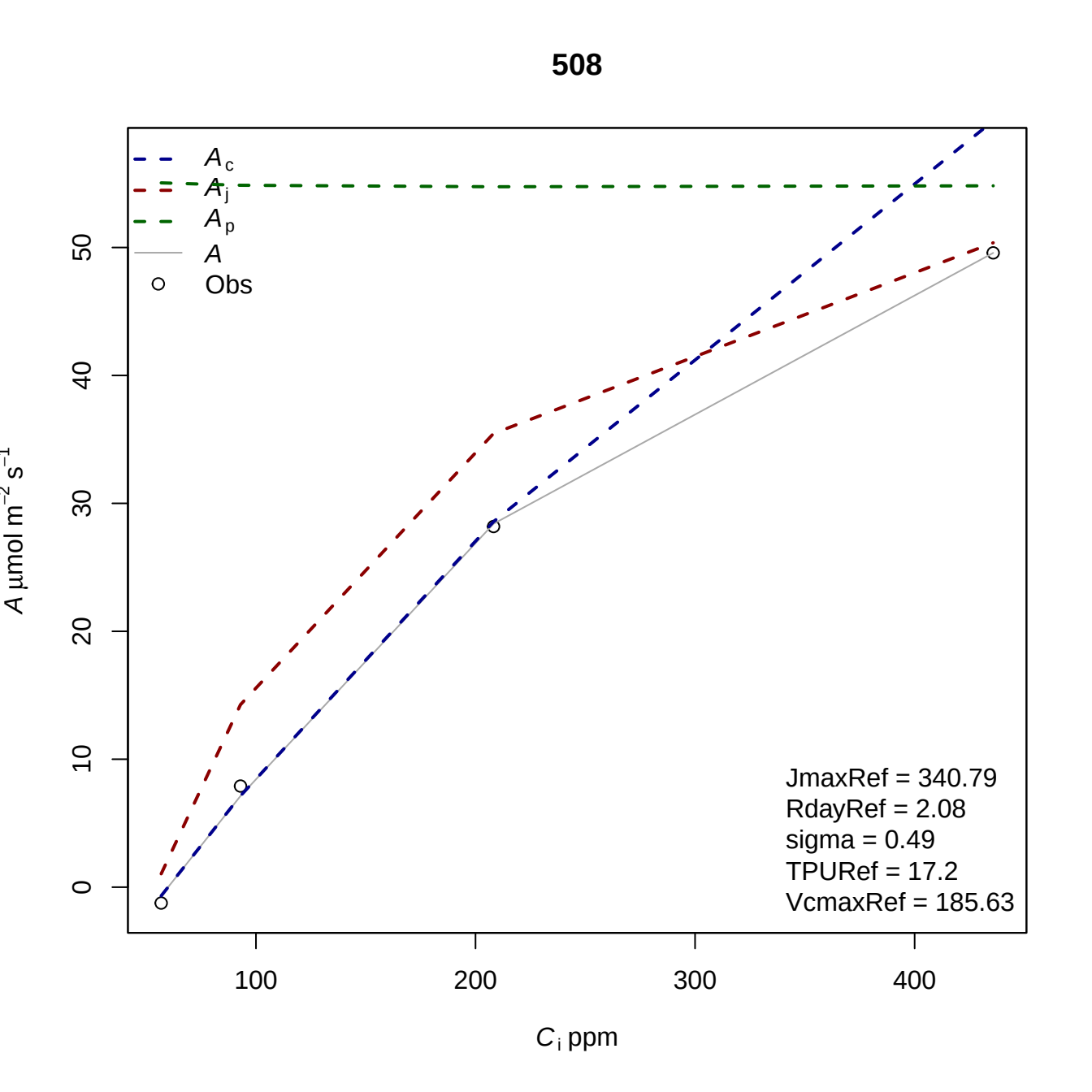

503
A_c
A_j
A_p
A
Obs
JmaxRef = 369.75
RdayRef = 1.04
sigma = 0.41
TPURef = 21.1
VcmaxRef = 176.73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
70
100
200
300
400
500
600

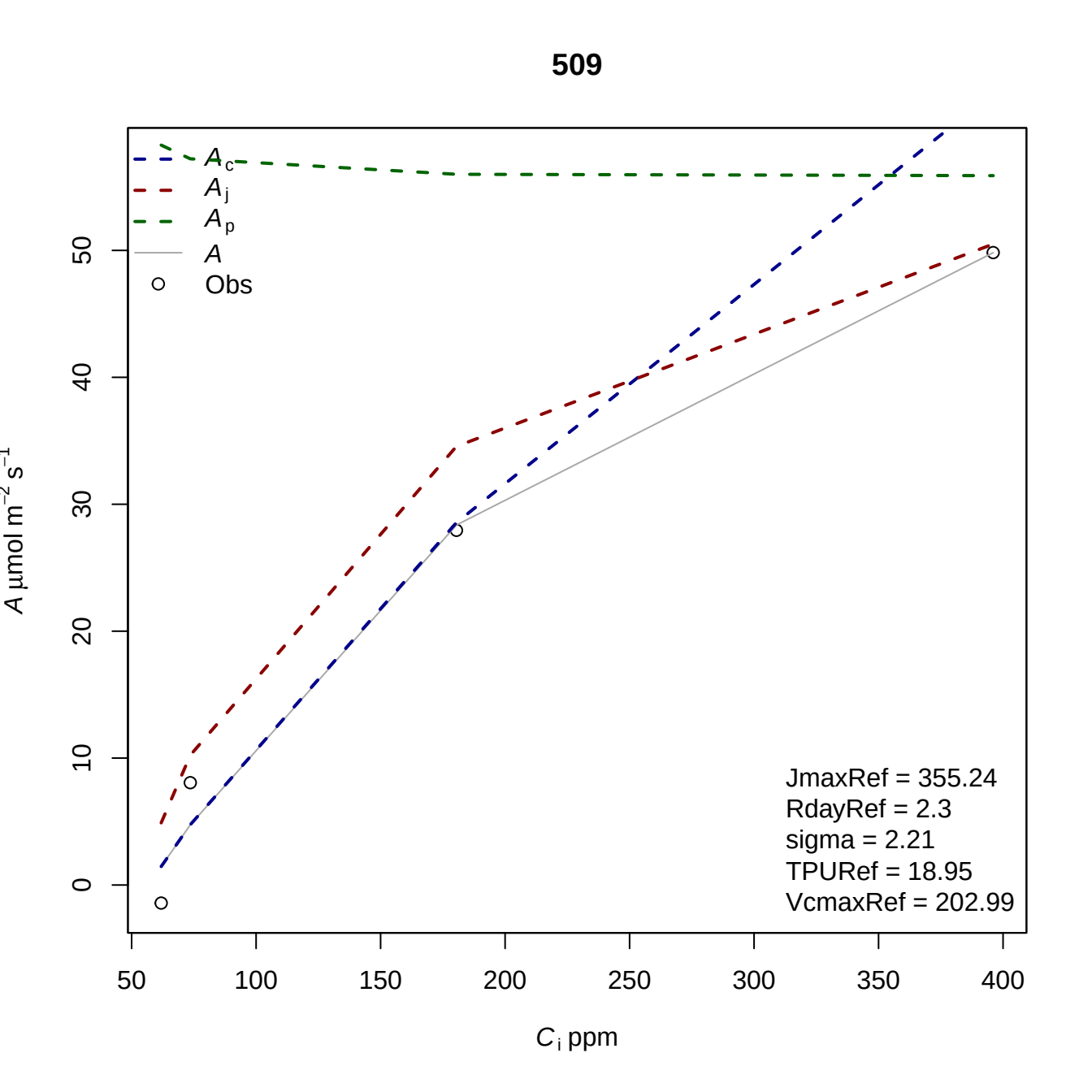

504
A_c
A_j
A_p
A
Obs
JmaxRef = 364.13
RdayRef = 1.71
sigma = 1.16
TPURef = 19.62
VcmaxRef = 213.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400

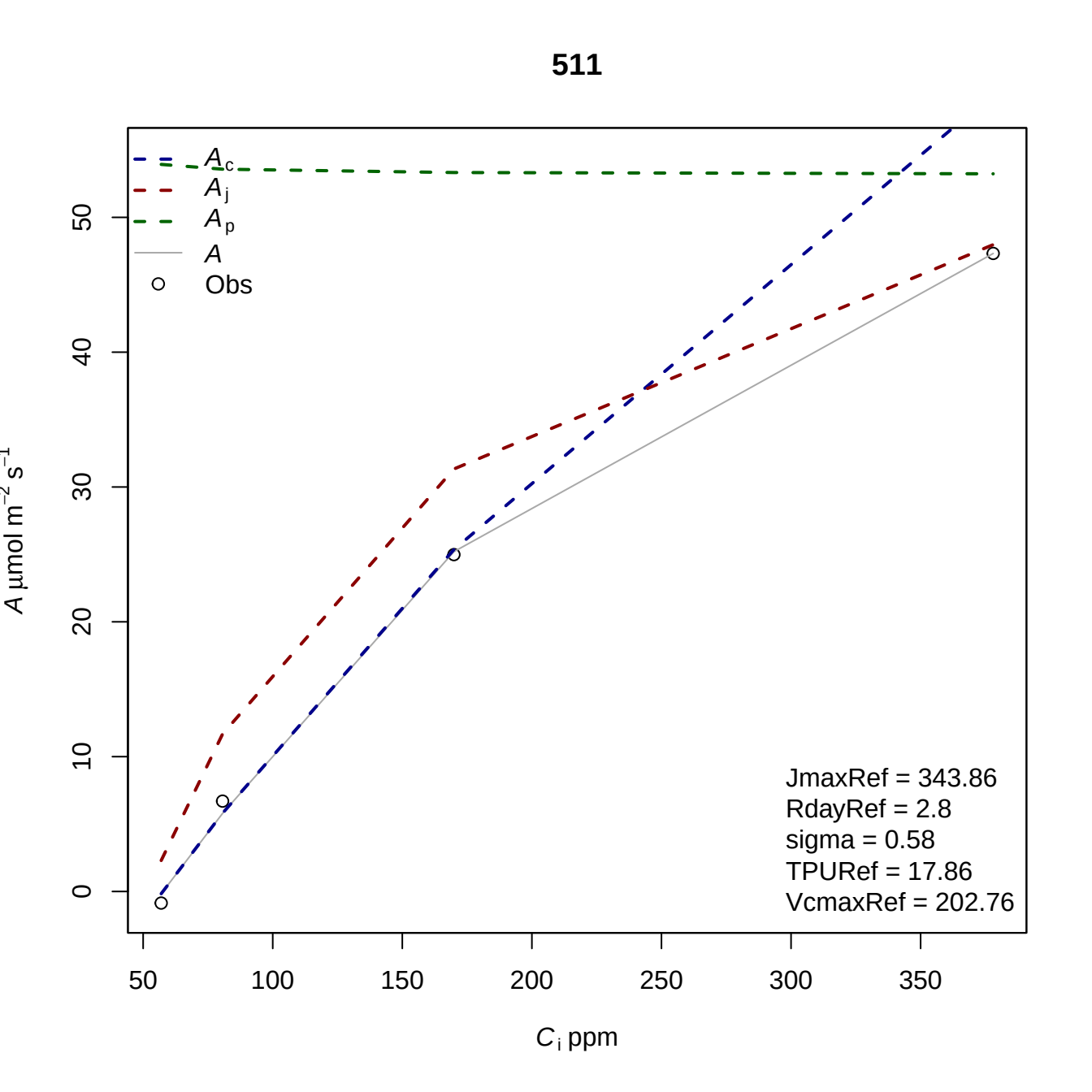

505
A_c
A_j
A_p
A
Obs
JmaxRef = 334.41
RdayRef = 1.38
sigma = 0.61
TPURef = 17.99
VcmaxRef = 170.55
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

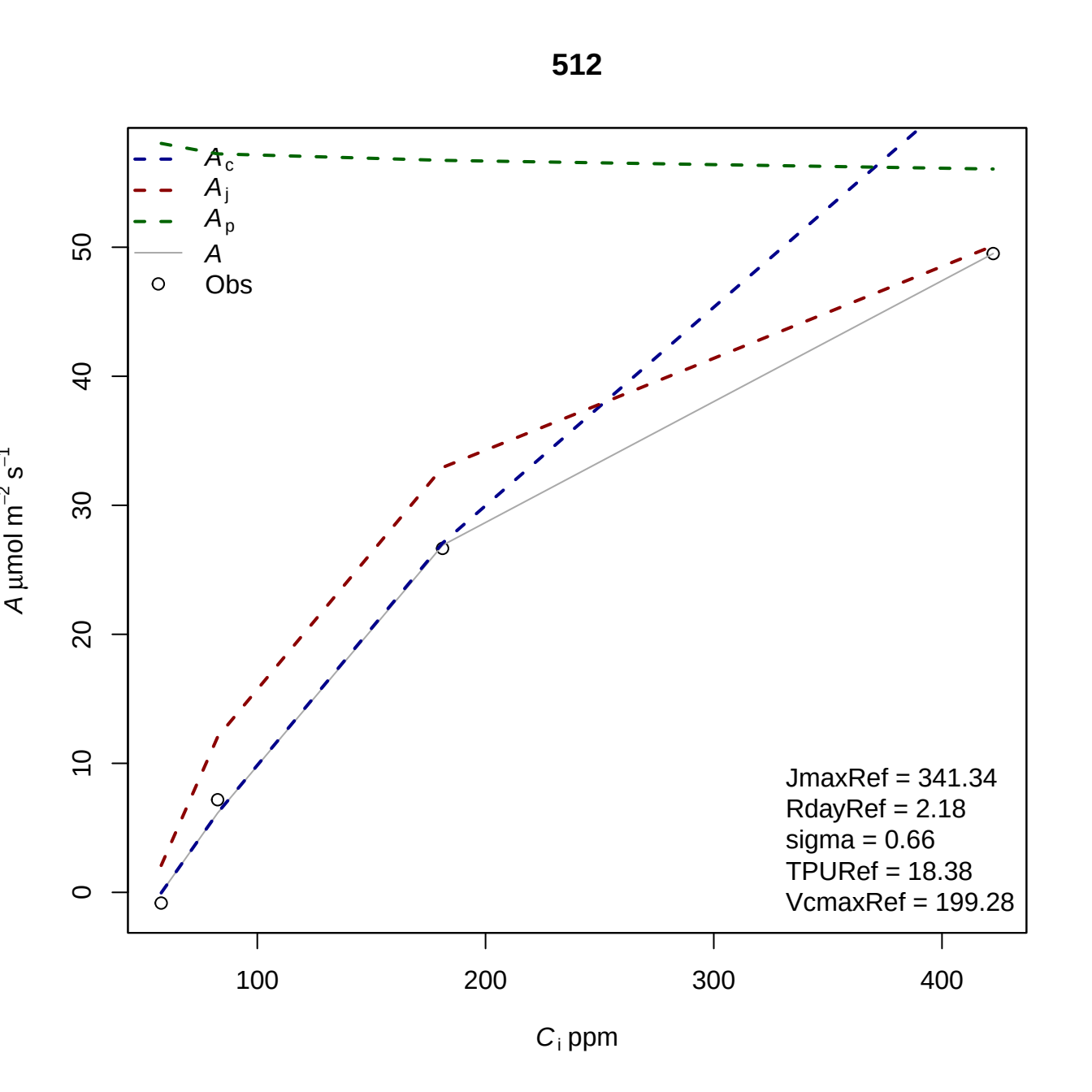

506
A_c
A_j
A_p
A
Obs
JmaxRef = 344.4
RdayRef = 2.3
sigma = 0.46
TPURef = 16.83
VcmaxRef = 199.58
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
50
100
150
200
250
300
350
400

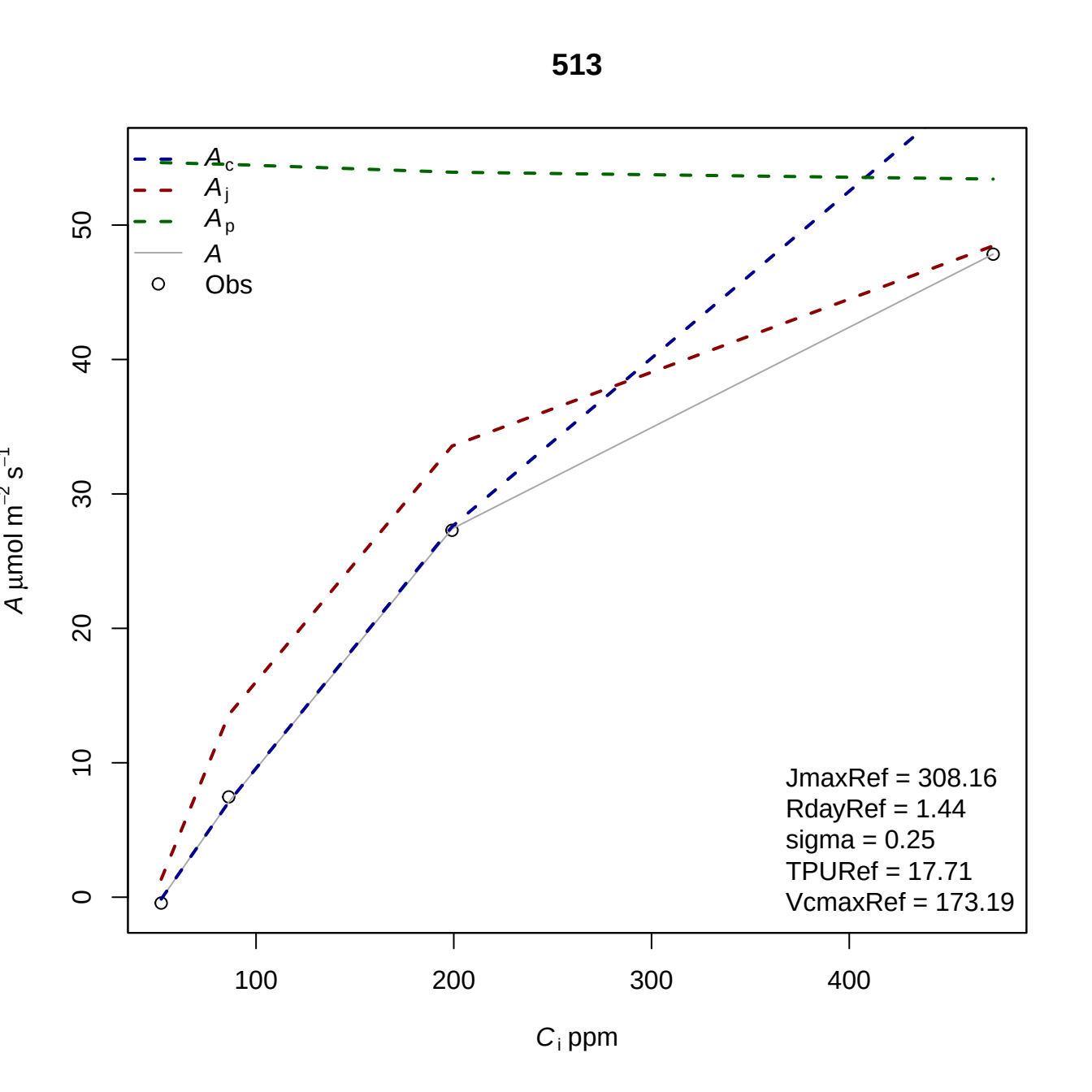

507
A_c
A_j
A_p
A
Obs
JmaxRef = 392.69
RdayRef = 1.12
sigma = 1.16
TPURef = 19.91
VcmaxRef = 200.2
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
60
100
200
300
400
C_i ppm

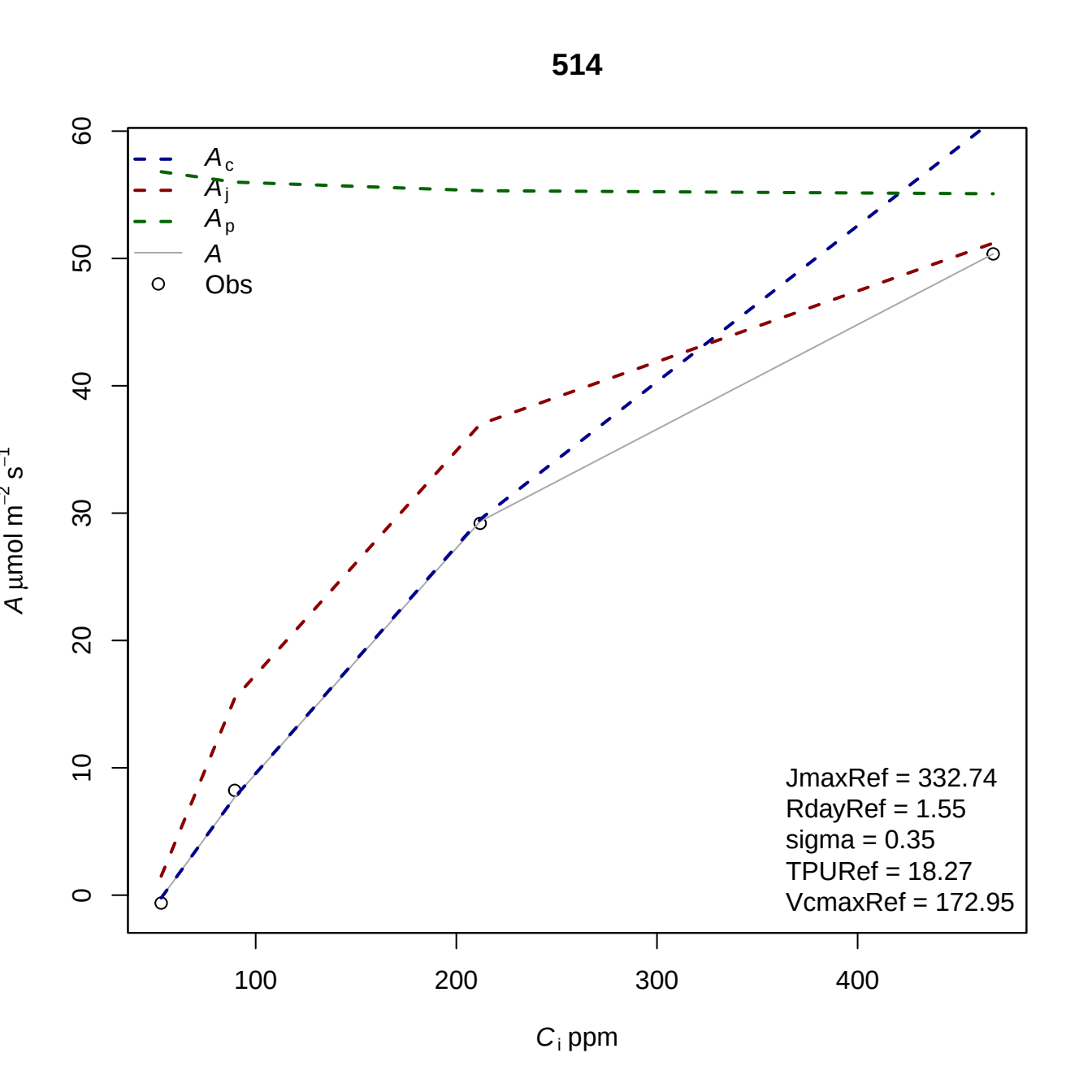

508
A_c
A_j
A_p
A
Obs
JmaxRef = 340.79
RdayRef = 2.08
sigma = 0.49
TPURef = 17.2
VcmaxRef = 185.63
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
100
200
300
400
C_i ppm

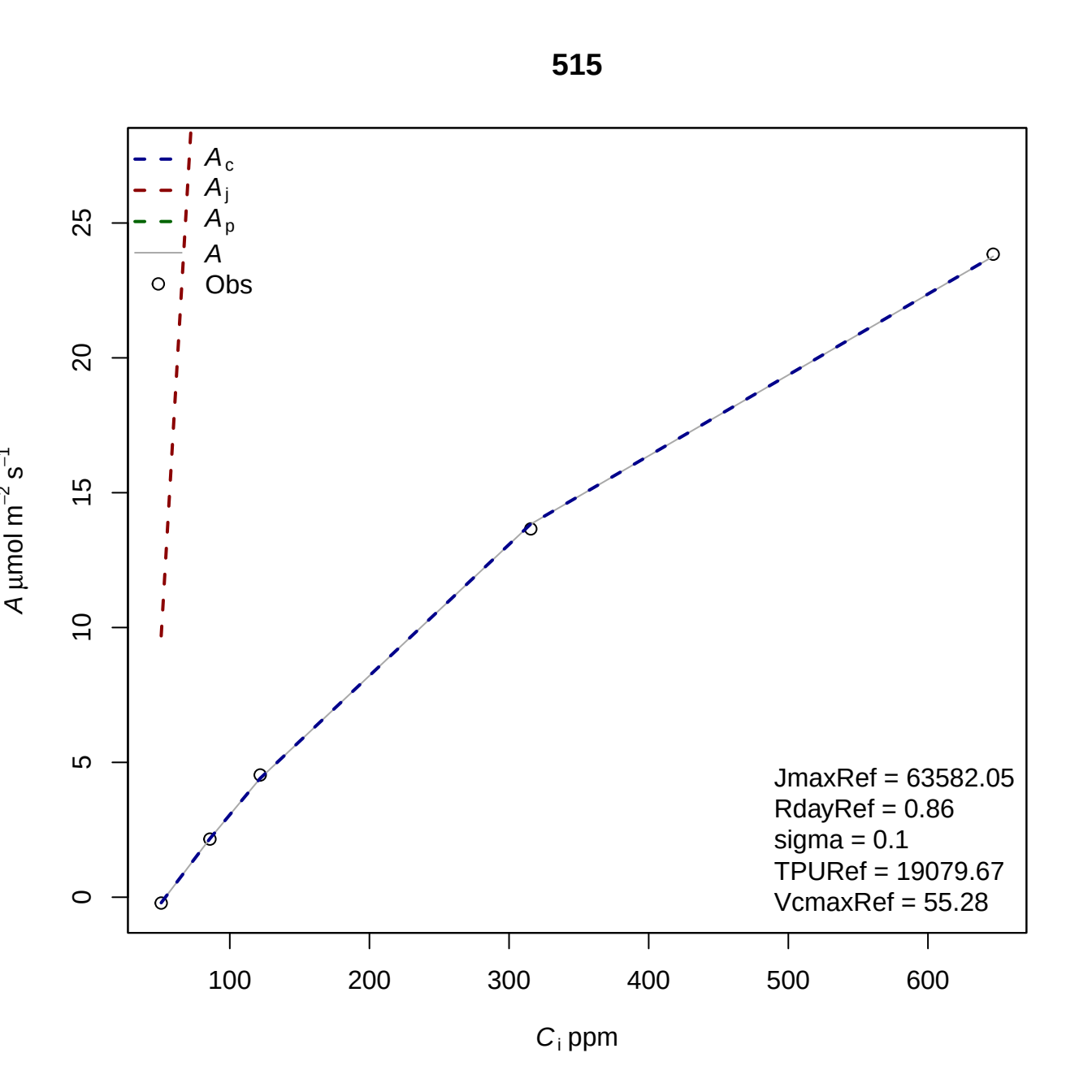

509
A_c
A_j
A_p
A
Obs
JmaxRef = 355.24
RdayRef = 2.3
sigma = 2.21
TPURef = 18.95
VcmaxRef = 202.99
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
50
100
150
200
250
300
350
400

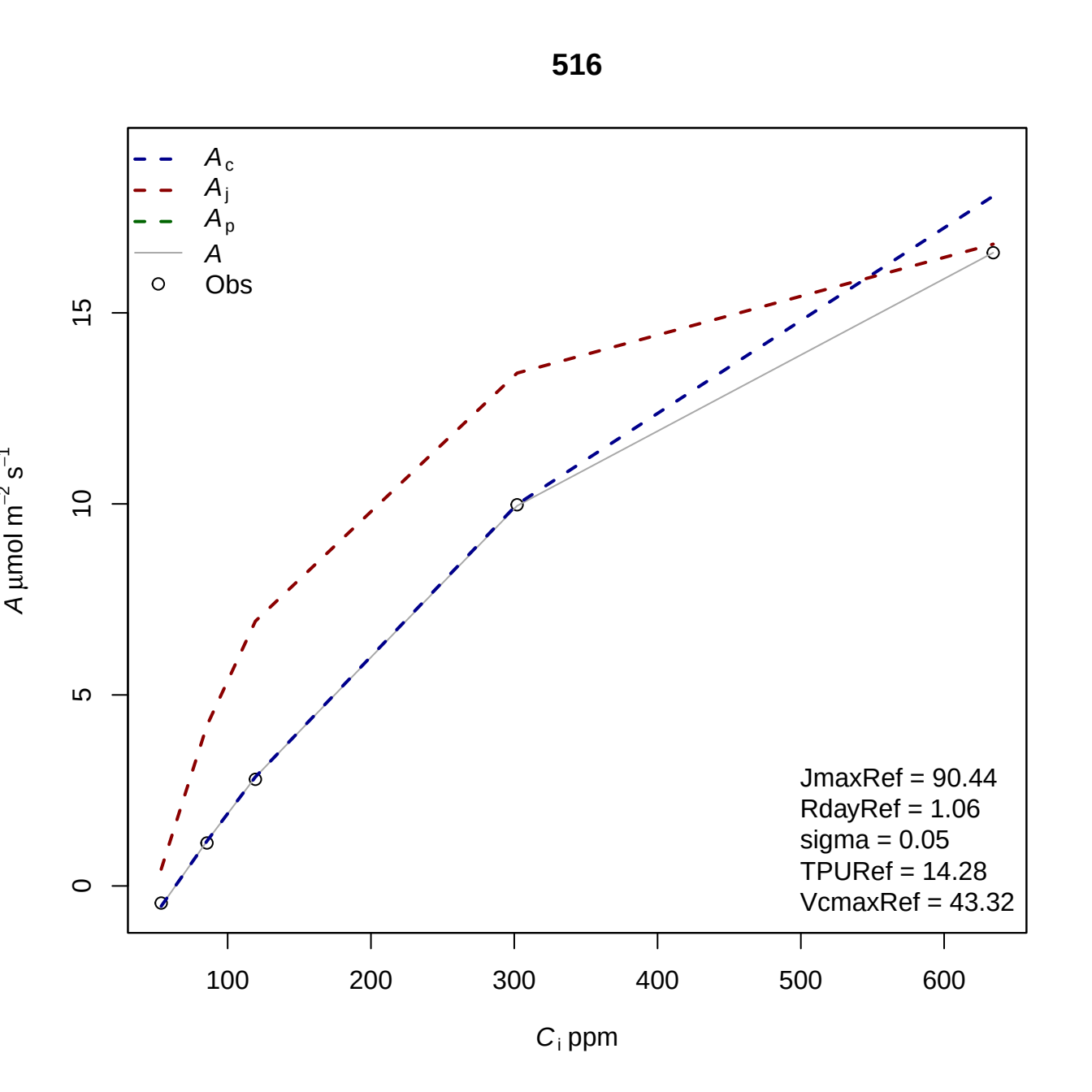

511
A_c
A_j
A_p
A
Obs
JmaxRef = 343.86
RdayRef = 2.8
sigma = 0.58
TPURef = 17.86
VcmaxRef = 202.76
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
50
100
150
200
250
300
350

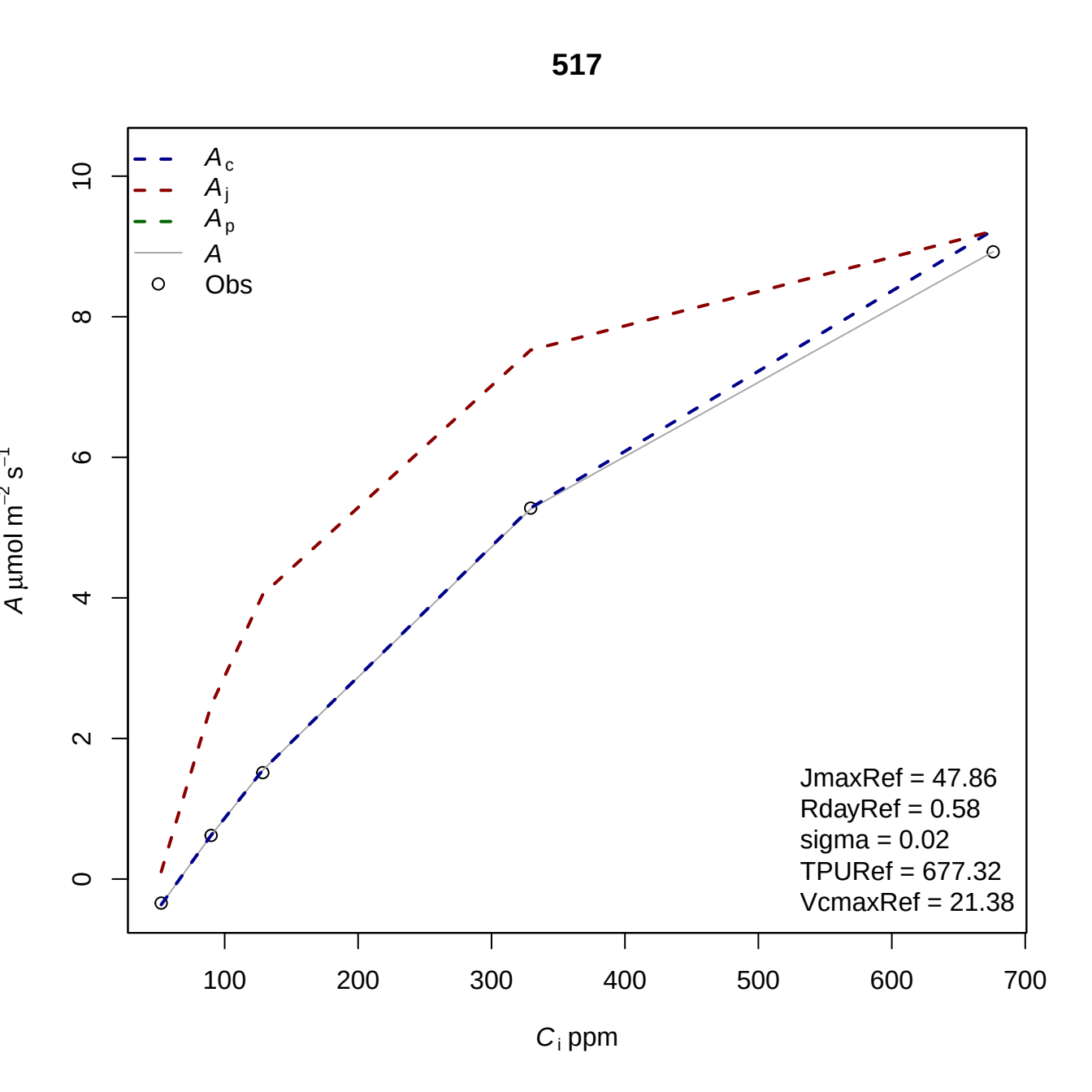

512
A_c
A_j
A_p
A
Obs
JmaxRef = 341.34
RdayRef = 2.18
sigma = 0.66
TPURef = 18.38
VcmaxRef = 199.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400

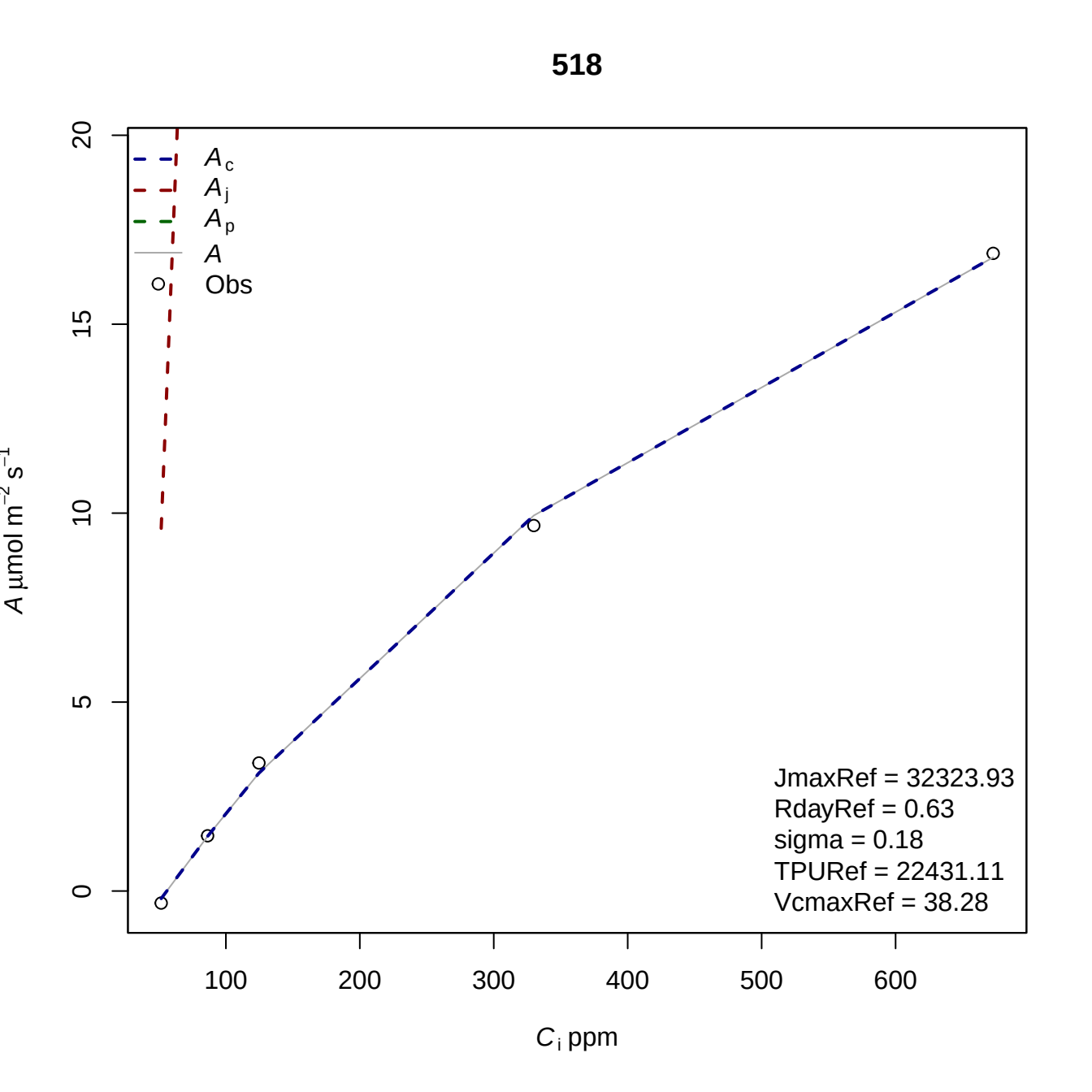

513
A_c
A_j
A_p
A
Obs
JmaxRef = 308.16
RdayRef = 1.44
sigma = 0.25
TPURef = 17.71
VcmaxRef = 173.19
0
10
20
30
40
50
100
200
300
400
A µmol m^{-2} s^{-1}
C_i ppm

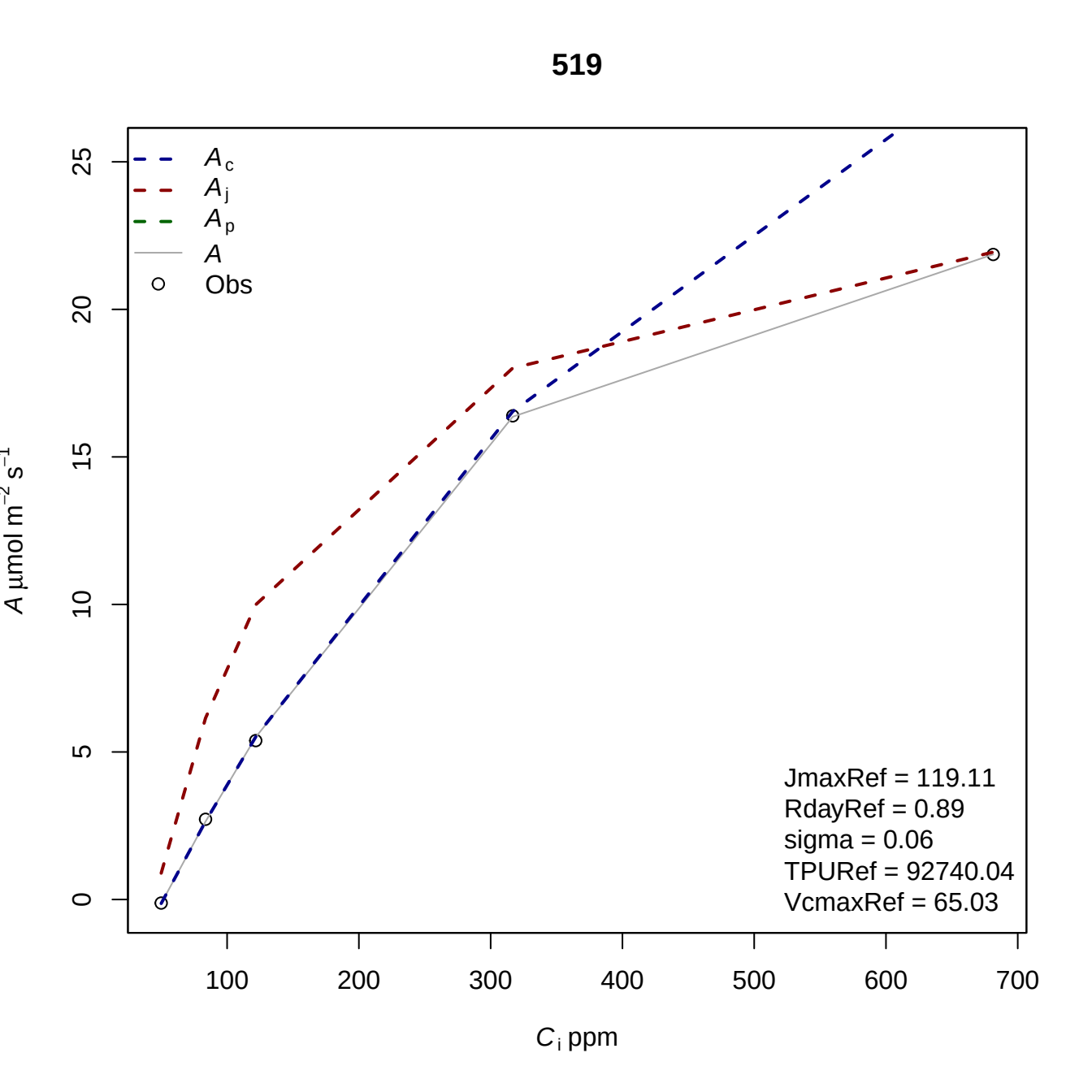

514
A_c
A_j
A_p
A
Obs
JmaxRef = 332.74
RdayRef = 1.55
sigma = 0.35
TPURef = 18.27
VcmaxRef = 172.95
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400

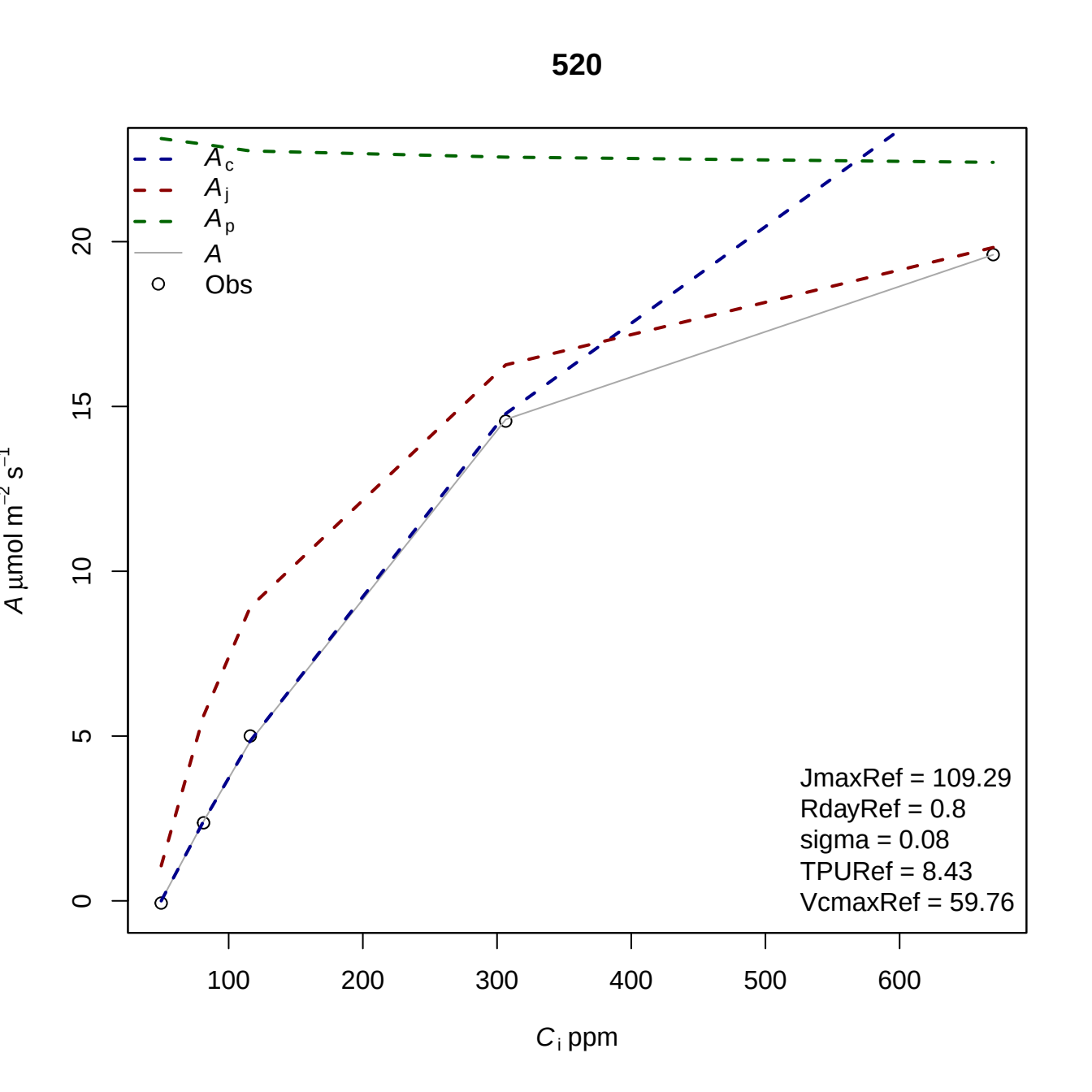

515
A_c
A_j
A_p
A
Obs
JmaxRef = 63582.05
RdayRef = 0.86
sigma = 0.1
TPURef = 19079.67
VcmaxRef = 55.28
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600

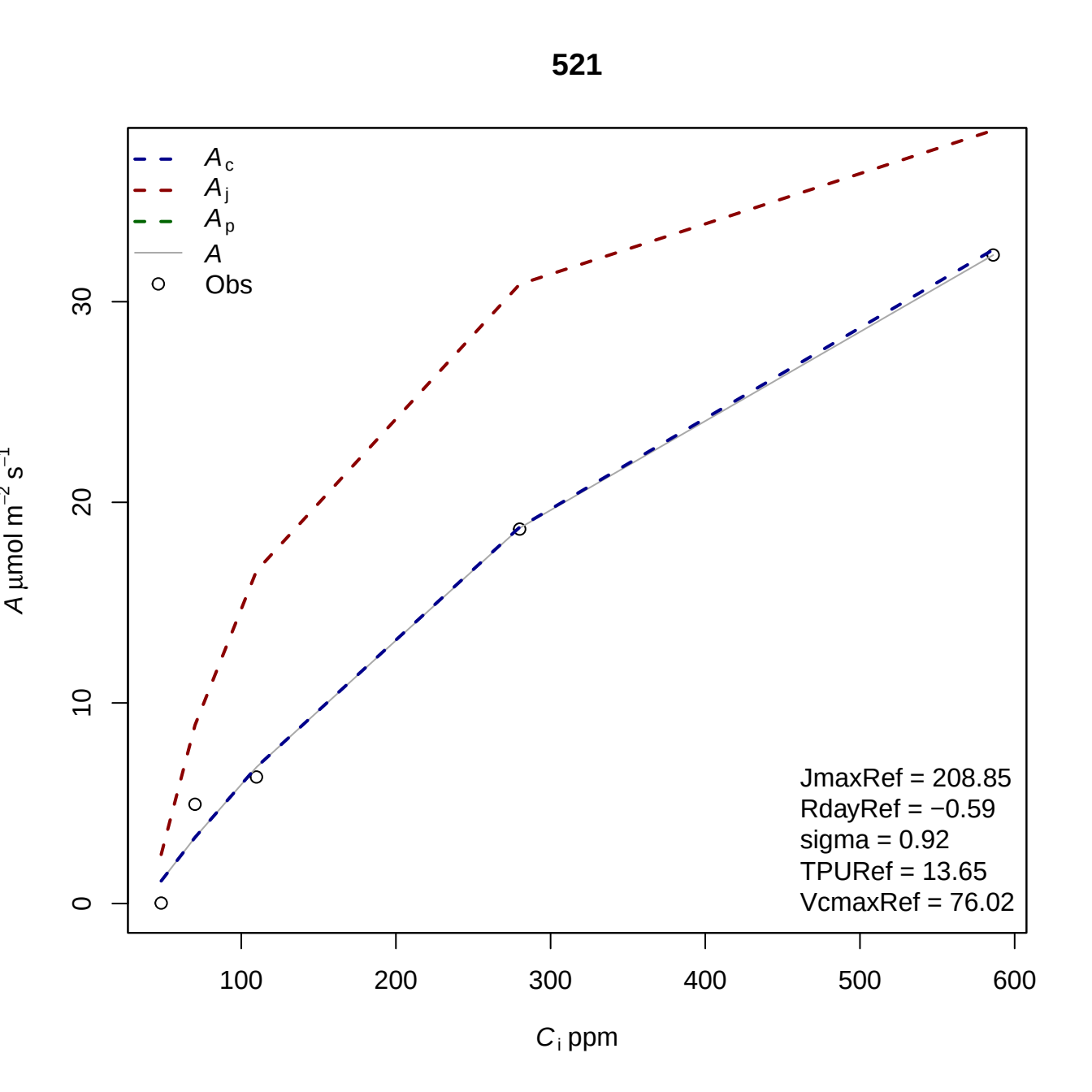

516
A_c
A_j
A_p
A
Obs
JmaxRef = 90.44
RdayRef = 1.06
sigma = 0.05
TPURef = 14.28
VcmaxRef = 43.32
A µmol m^{-2} s^{-1}
0
5
10
15
100
200
300
400
500
600
C_i ppm

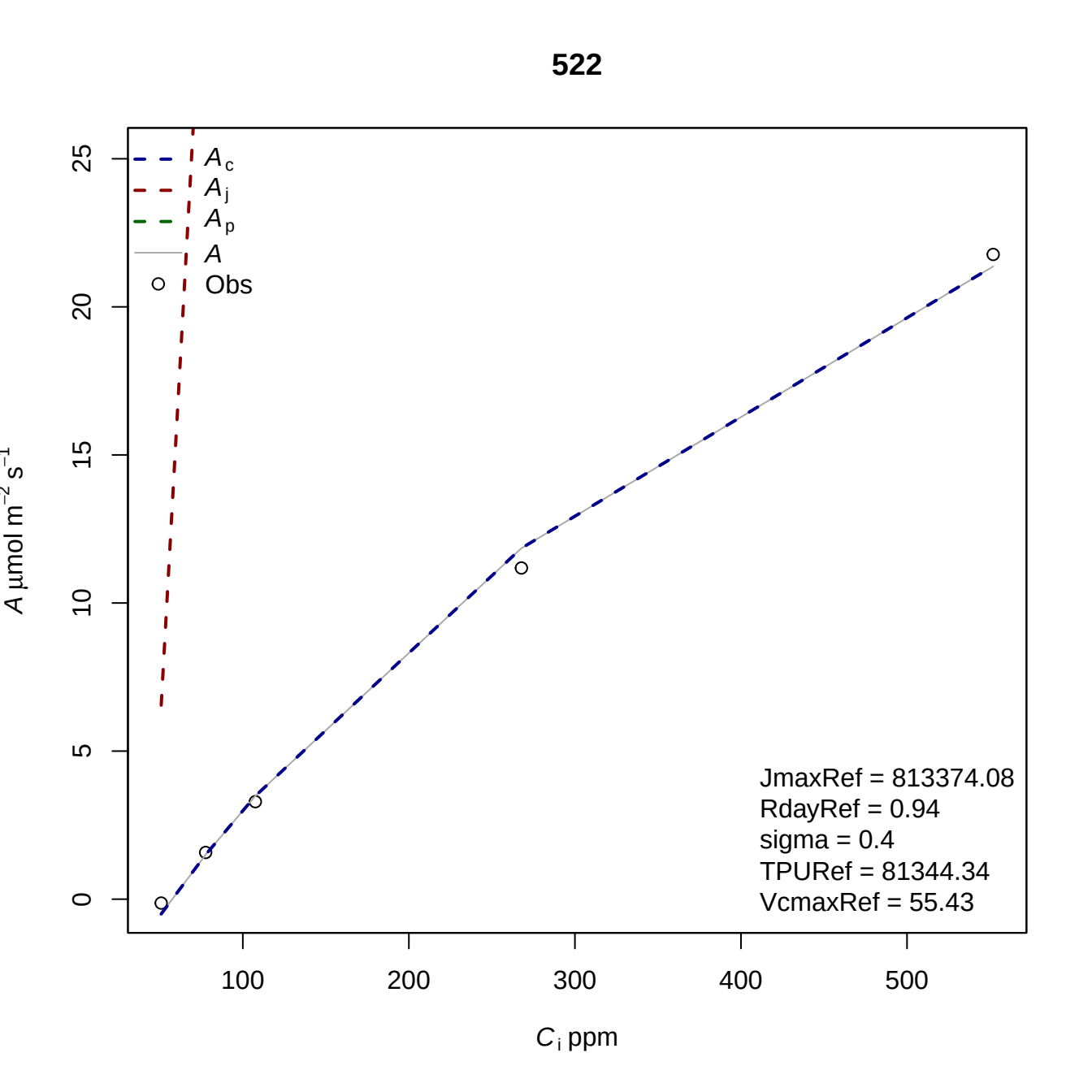

517
A_c
A_j
A_p
A
Obs
JmaxRef = 47.86
RdayRef = 0.58
sigma = 0.02
TPURef = 677.32
VcmaxRef = 21.38
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
100
200
300
400
500
600
700

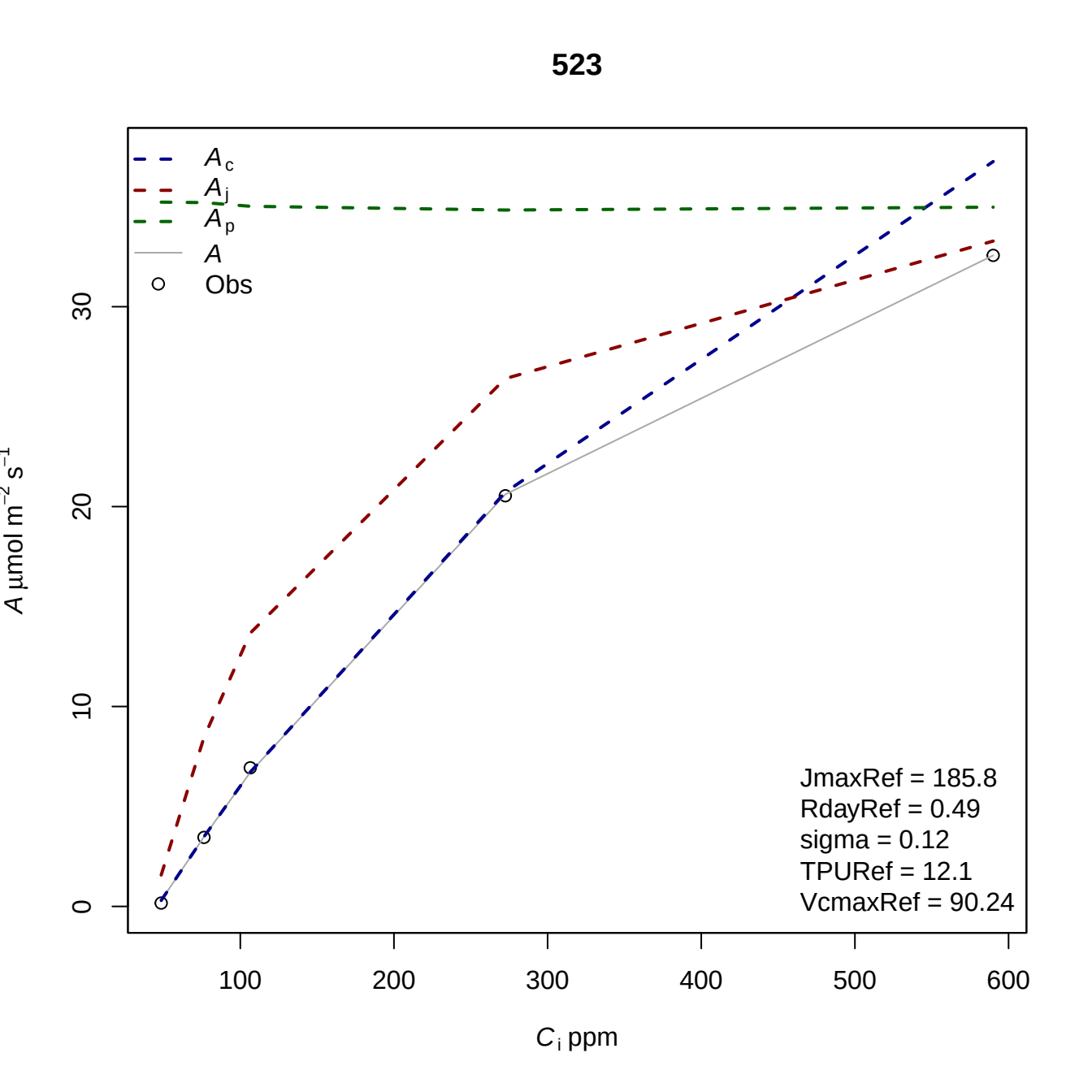

518
A_c
A_j
A_p
A
Obs
JmaxRef = 32323.93
RdayRef = 0.63
sigma = 0.18
TPURef = 22431.11
VcmaxRef = 38.28
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

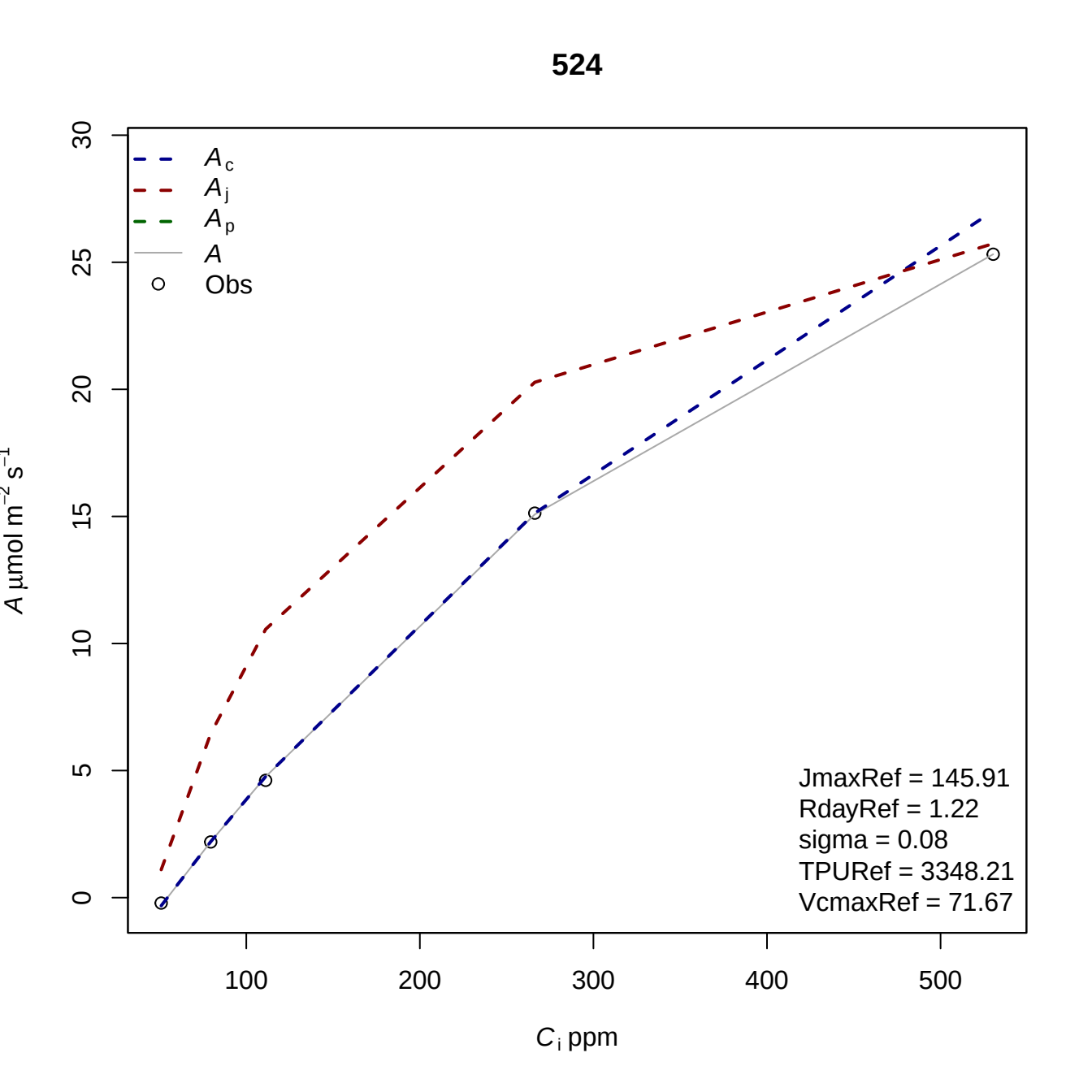

519
A_c
A_j
A_p
A
Obs
JmaxRef = 119.11
RdayRef = 0.89
sigma = 0.06
TPURef = 92740.04
VcmaxRef = 65.03
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600
700

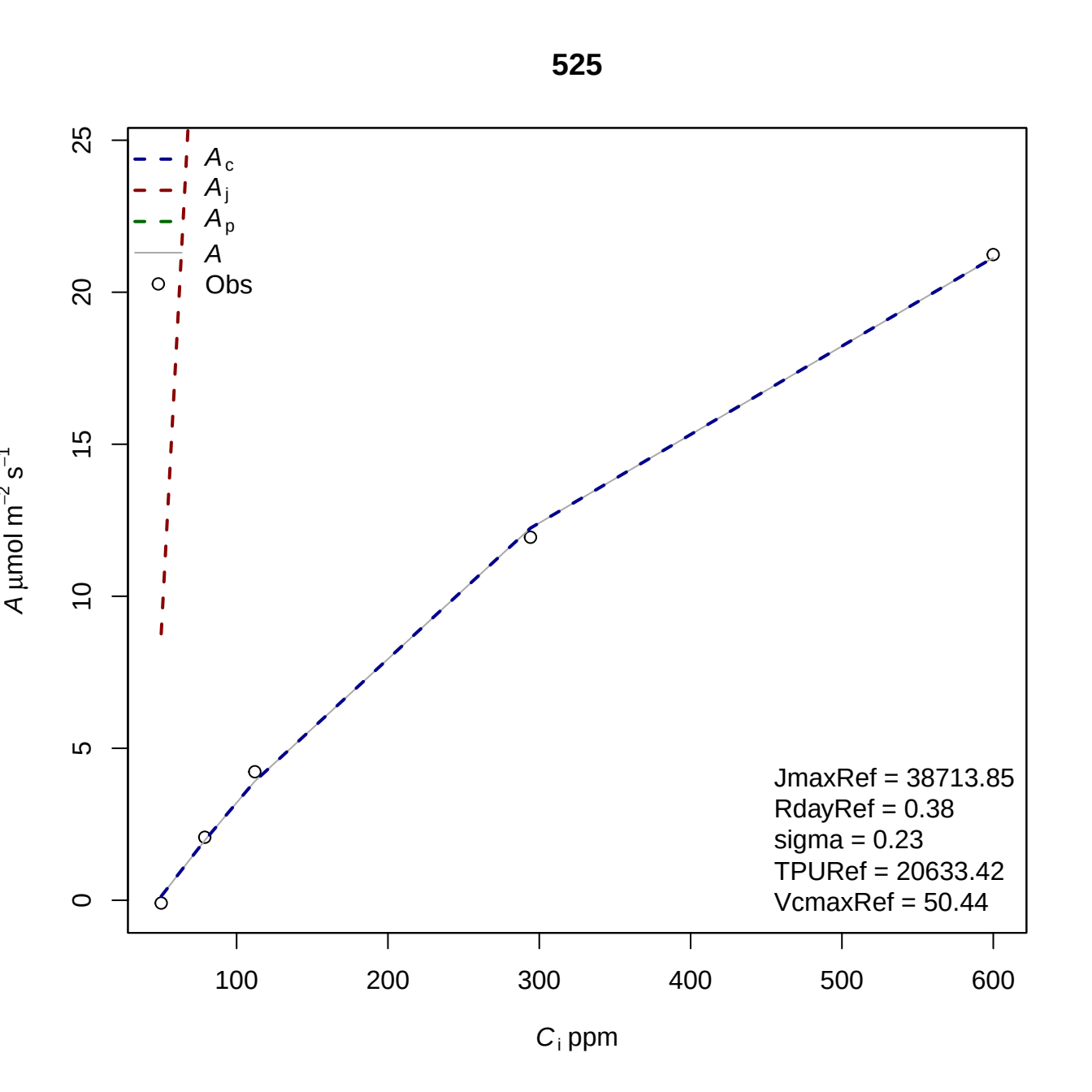

520
A_c
A_j
A_p
A
Obs
JmaxRef = 109.29
RdayRef = 0.8
sigma = 0.08
TPURef = 8.43
VcmaxRef = 59.76
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

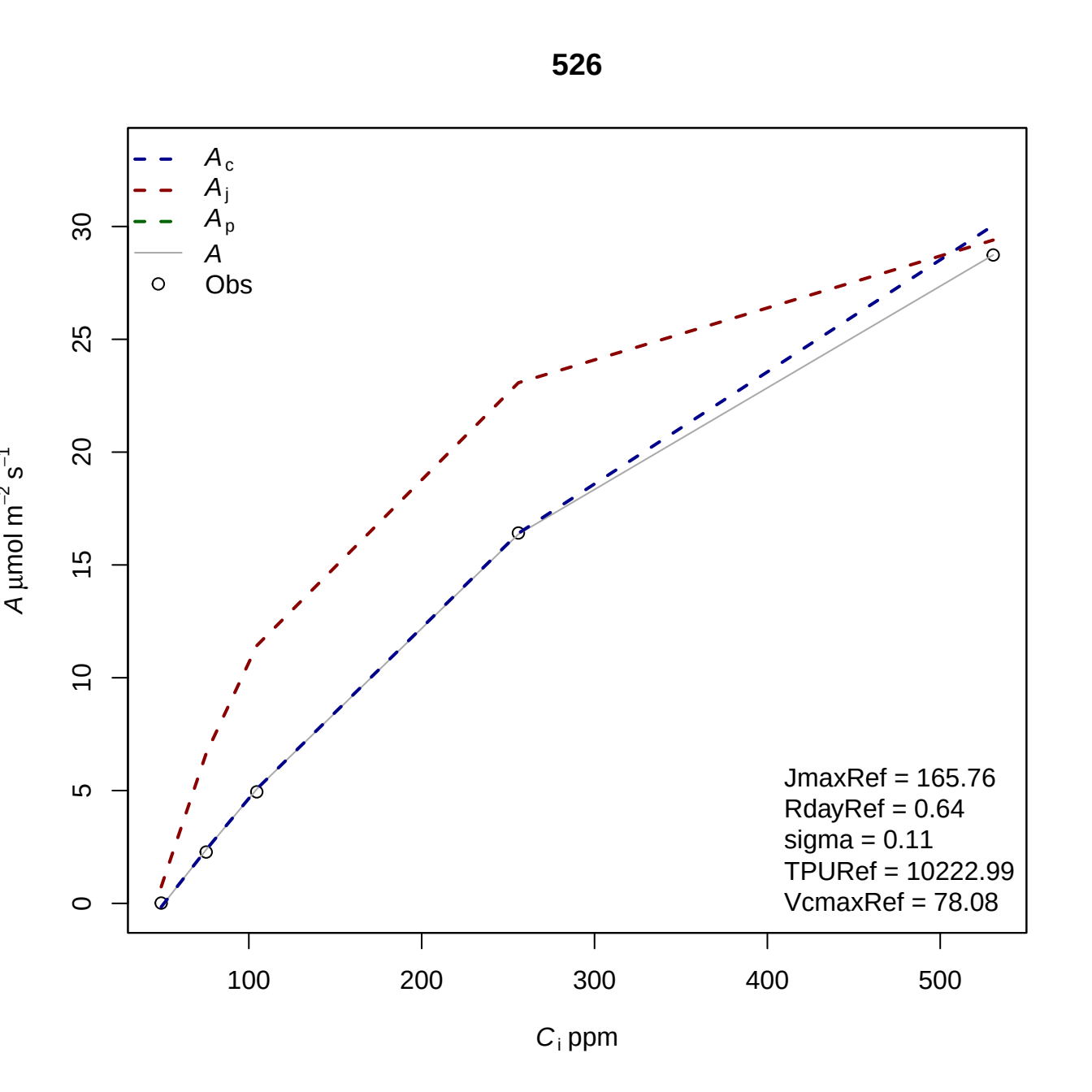

521
A_c
A_j
A_p
A
Obs
JmaxRef = 208.85
RdayRef = −0.59
sigma = 0.92
TPURef = 13.65
VcmaxRef = 76.02
A µmol m^{-2} s^{-1}
0
10
20
30
100
200
300
400
500
600
C_i ppm

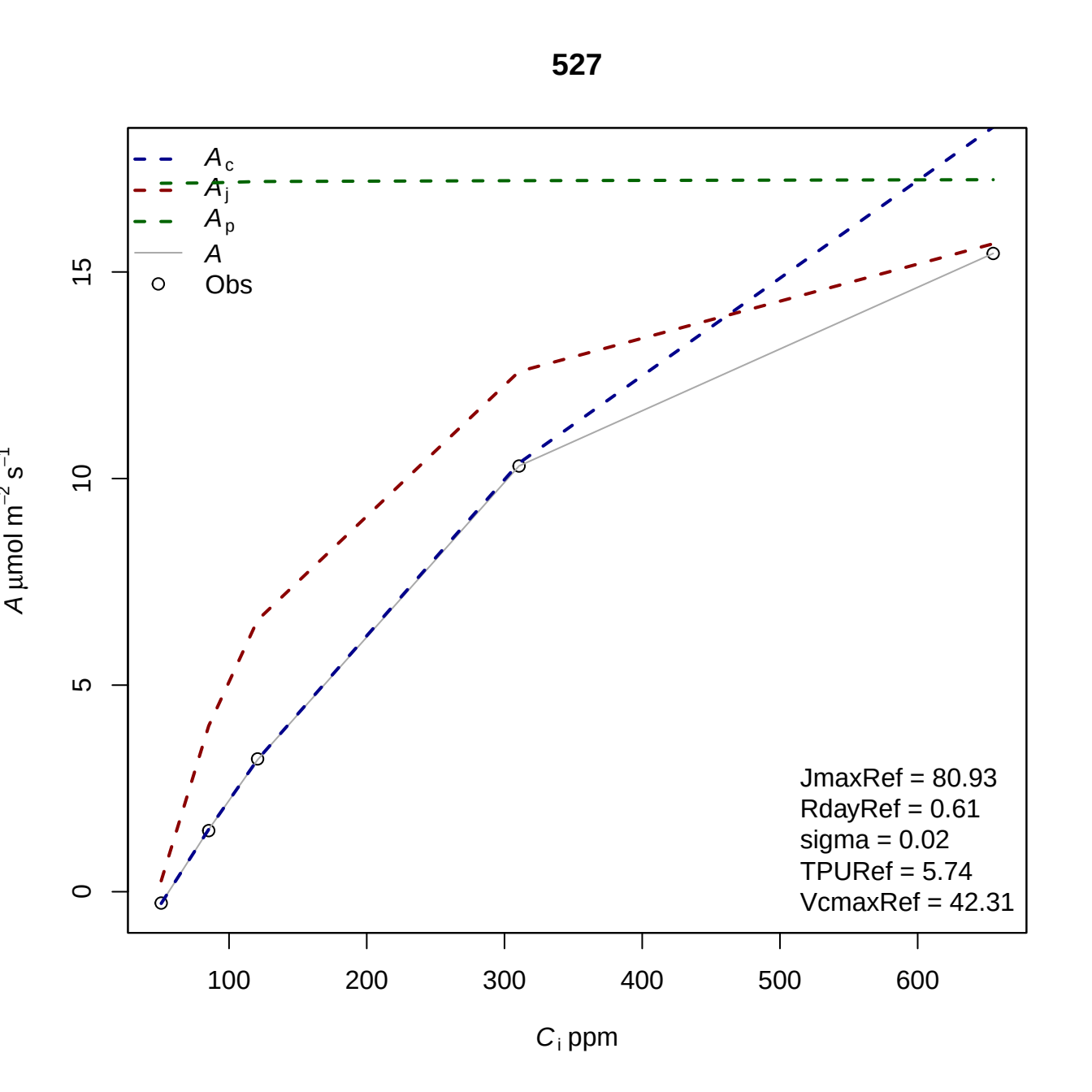

522
A_c
A_j
A_p
A
Obs
JmaxRef = 813374.08
RdayRef = 0.94
sigma = 0.4
TPURef = 81344.34
VcmaxRef = 55.43
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500

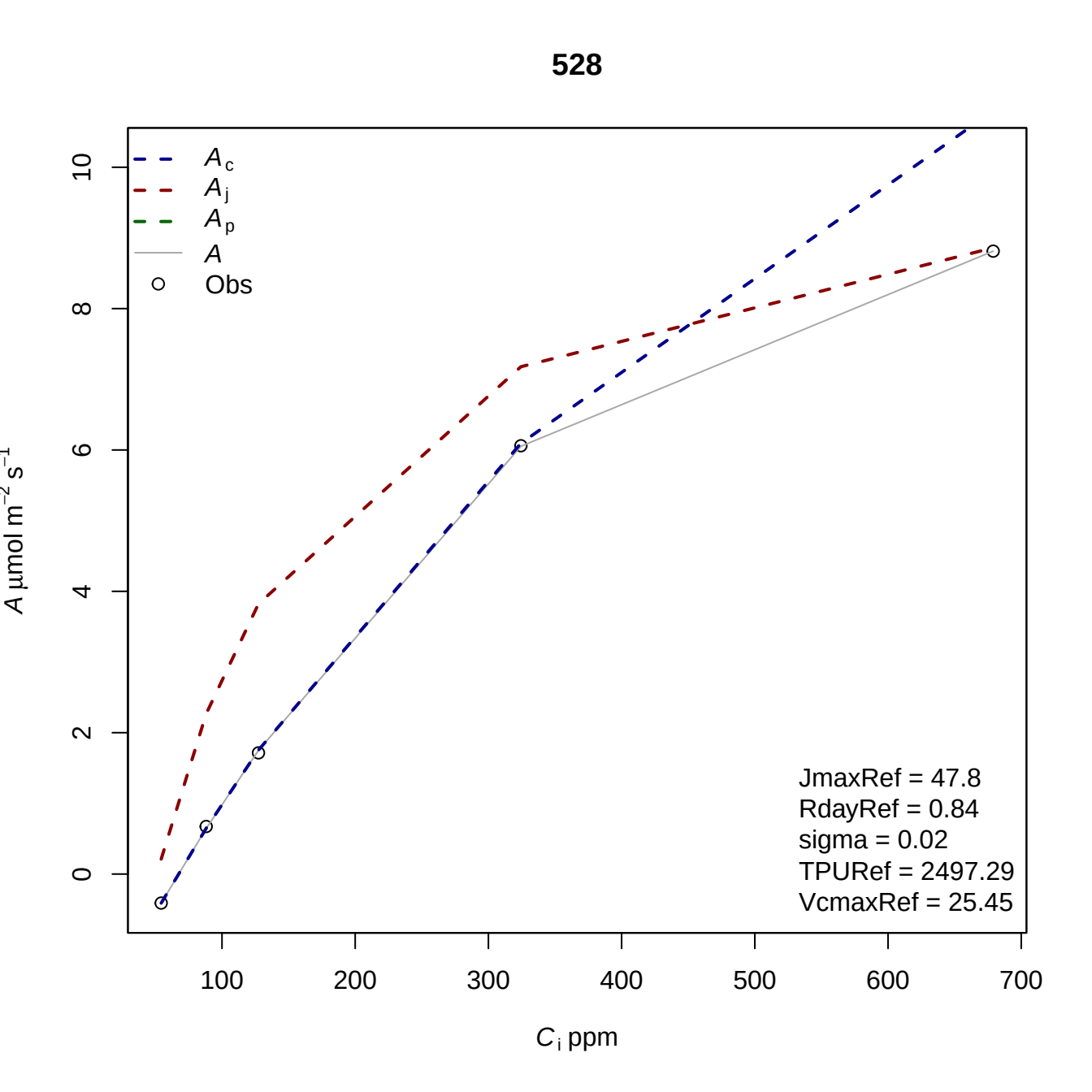

523
A_c
A_j
A_p
A
Obs
JmaxRef = 185.8
RdayRef = 0.49
sigma = 0.12
TPURef = 12.1
VcmaxRef = 90.24
A µmol m^{-2} s^{-1}
0
10
20
30
100
200
300
400
500
600
C_i ppm

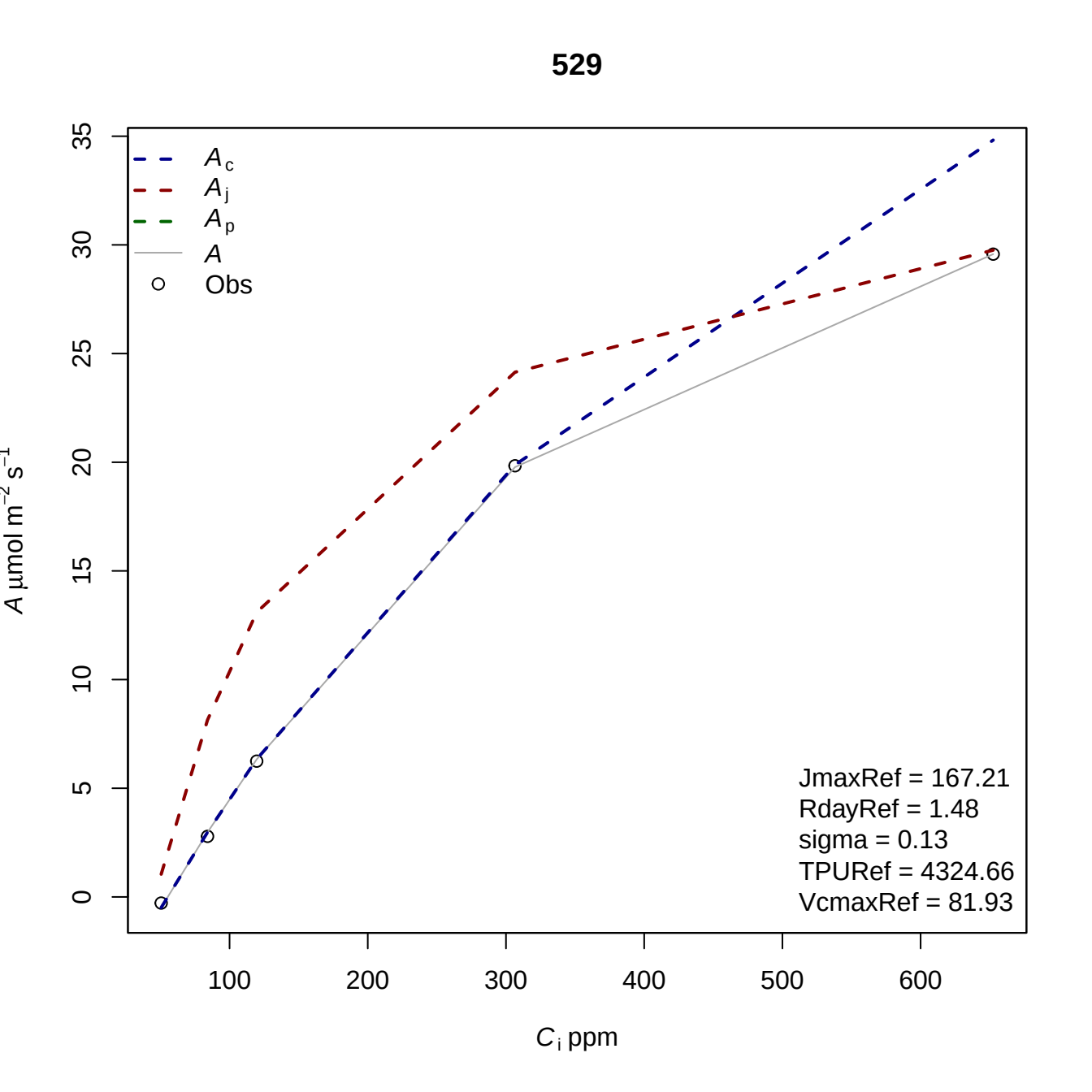

524
A_c
A_j
A_p
A
Obs
JmaxRef = 145.91
RdayRef = 1.22
sigma = 0.08
TPURef = 3348.21
VcmaxRef = 71.67
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
100
200
300
400
500

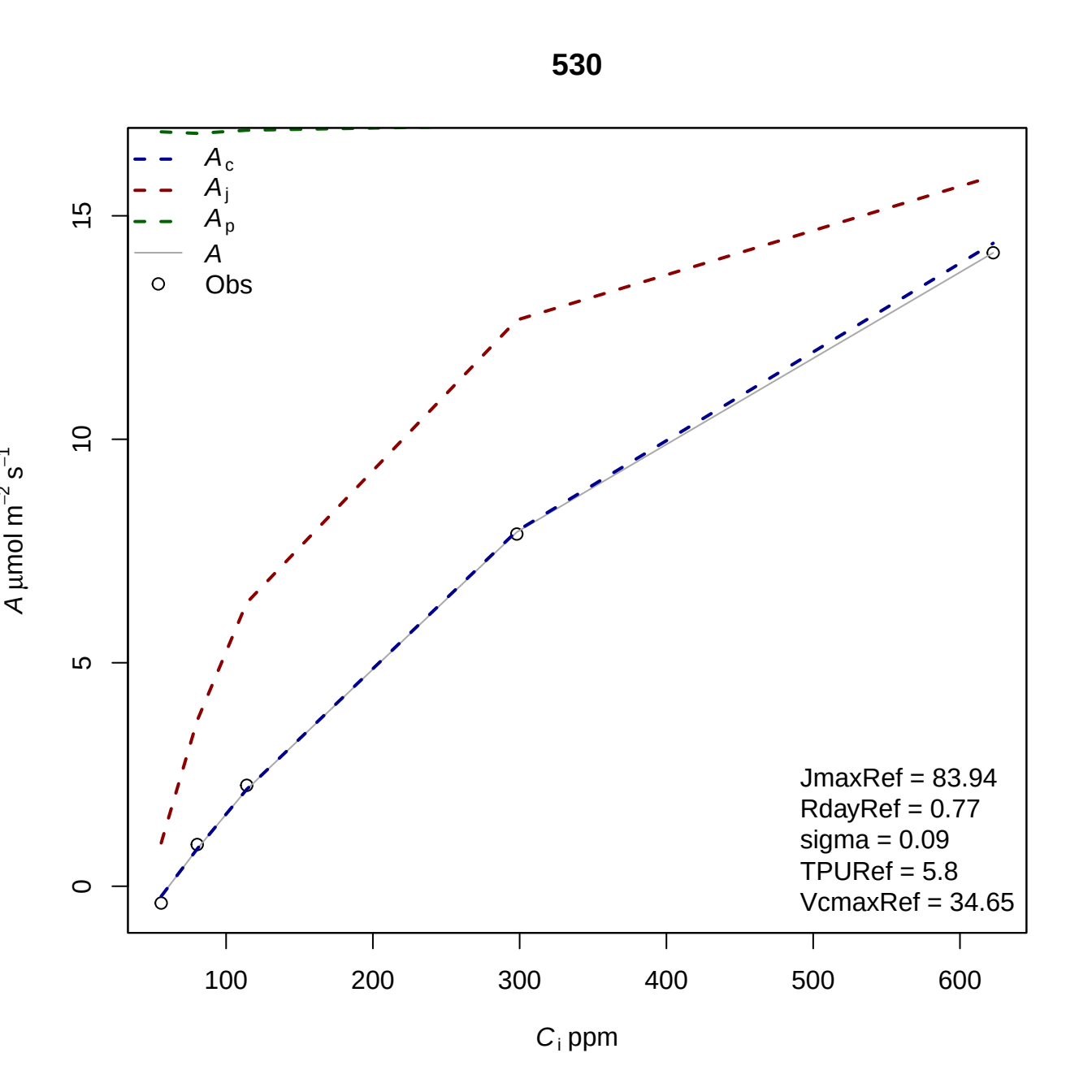

525
A_c
A_j
A_p
A
Obs
JmaxRef = 38713.85
RdayRef = 0.38
sigma = 0.23
TPURef = 20633.42
VcmaxRef = 50.44
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600

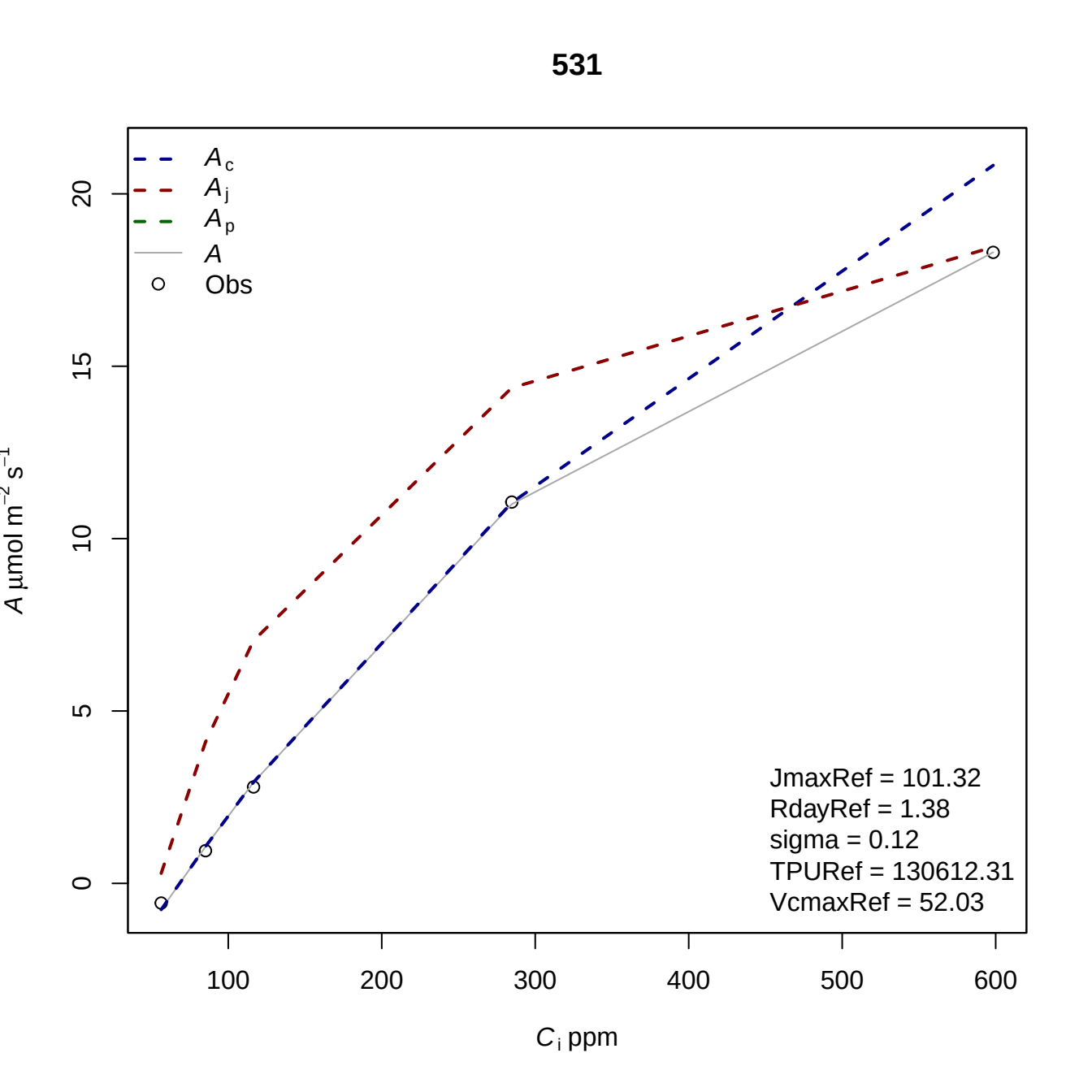

526
A_c
A_j
A_p
A
Obs
JmaxRef = 165.76
RdayRef = 0.64
sigma = 0.11
TPURef = 10222.99
VcmaxRef = 78.08
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
100
200
300
400
500

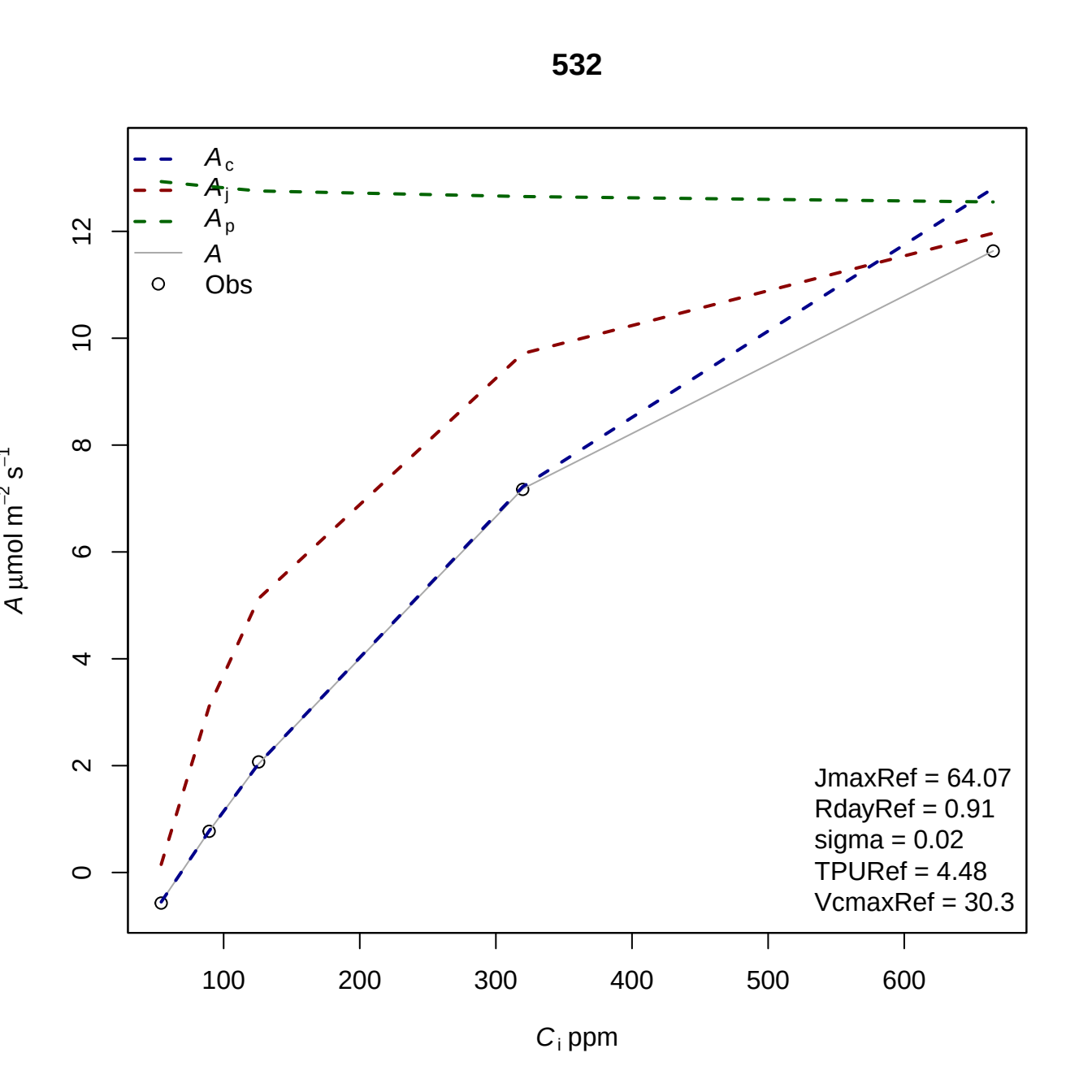

527
A_c
A_j
A_p
A
Obs
JmaxRef = 80.93
RdayRef = 0.61
sigma = 0.02
TPURef = 5.74
VcmaxRef = 42.31
0
5
10
15
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

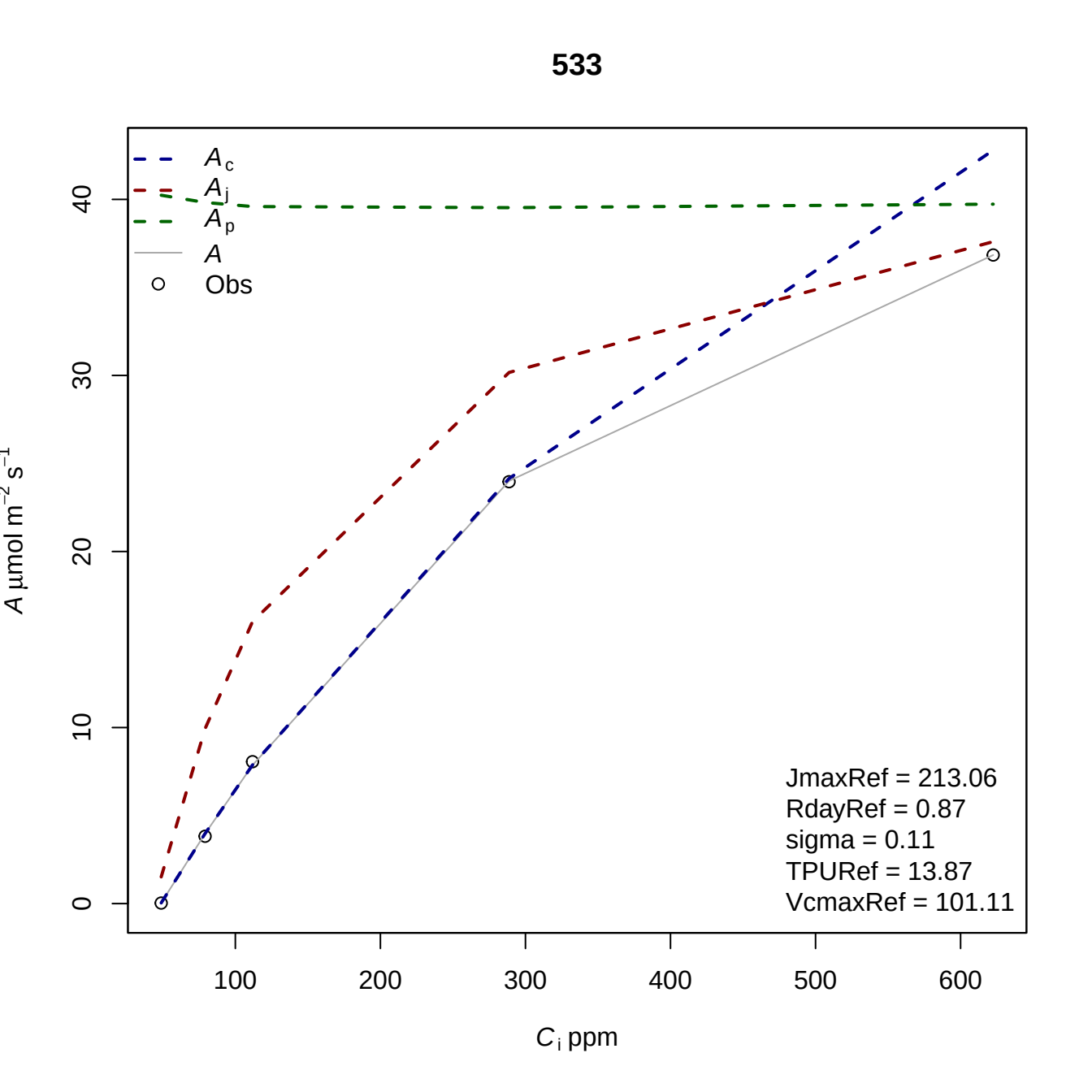

528
A_c
A_j
A_p
A
Obs
JmaxRef = 47.8
RdayRef = 0.84
sigma = 0.02
TPURef = 2497.29
VcmaxRef = 25.45
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
100
200
300
400
500
600
700

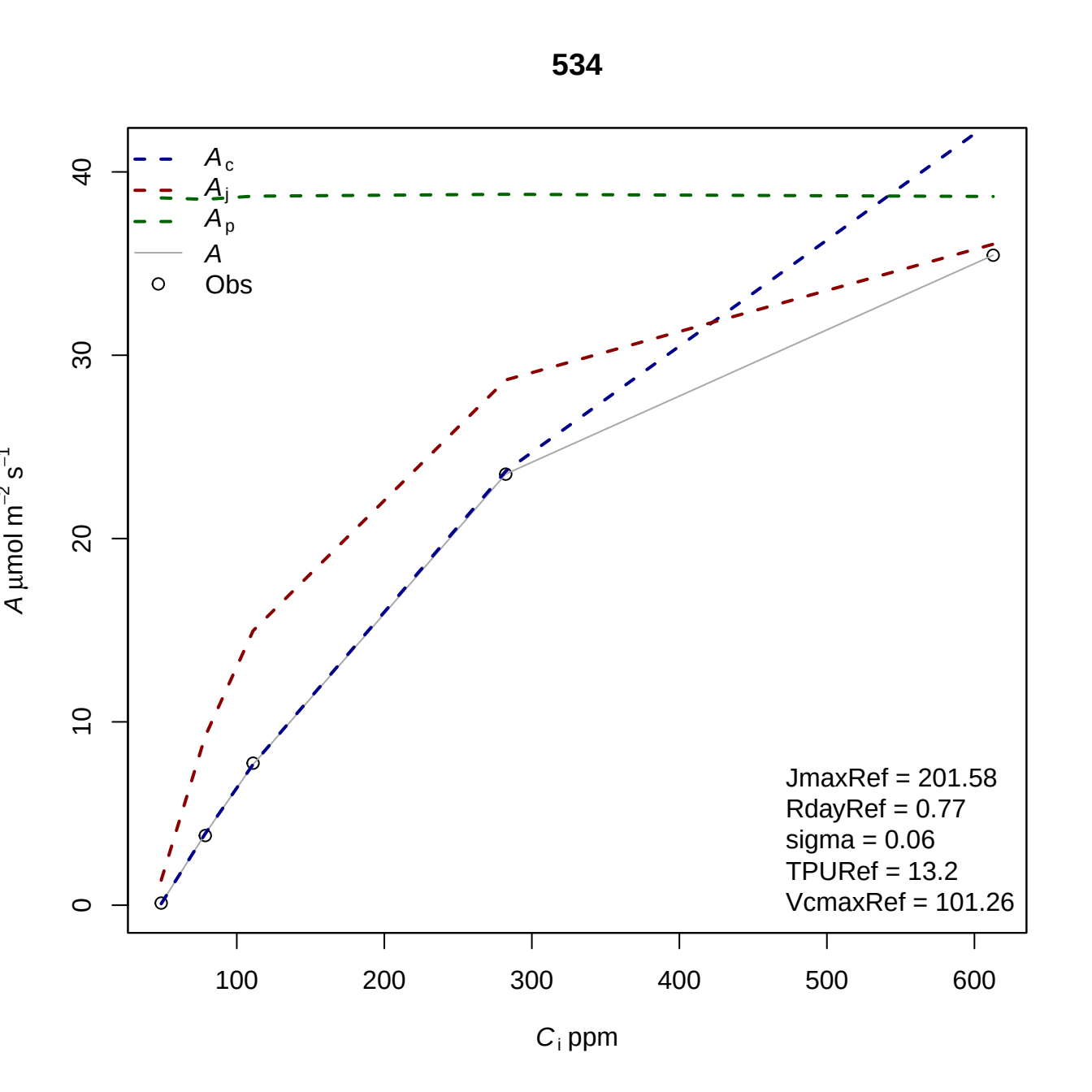

529
A_c
A_j
A_p
A
Obs
JmaxRef = 167.21
RdayRef = 1.48
sigma = 0.13
TPURef = 4324.66
VcmaxRef = 81.93
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600

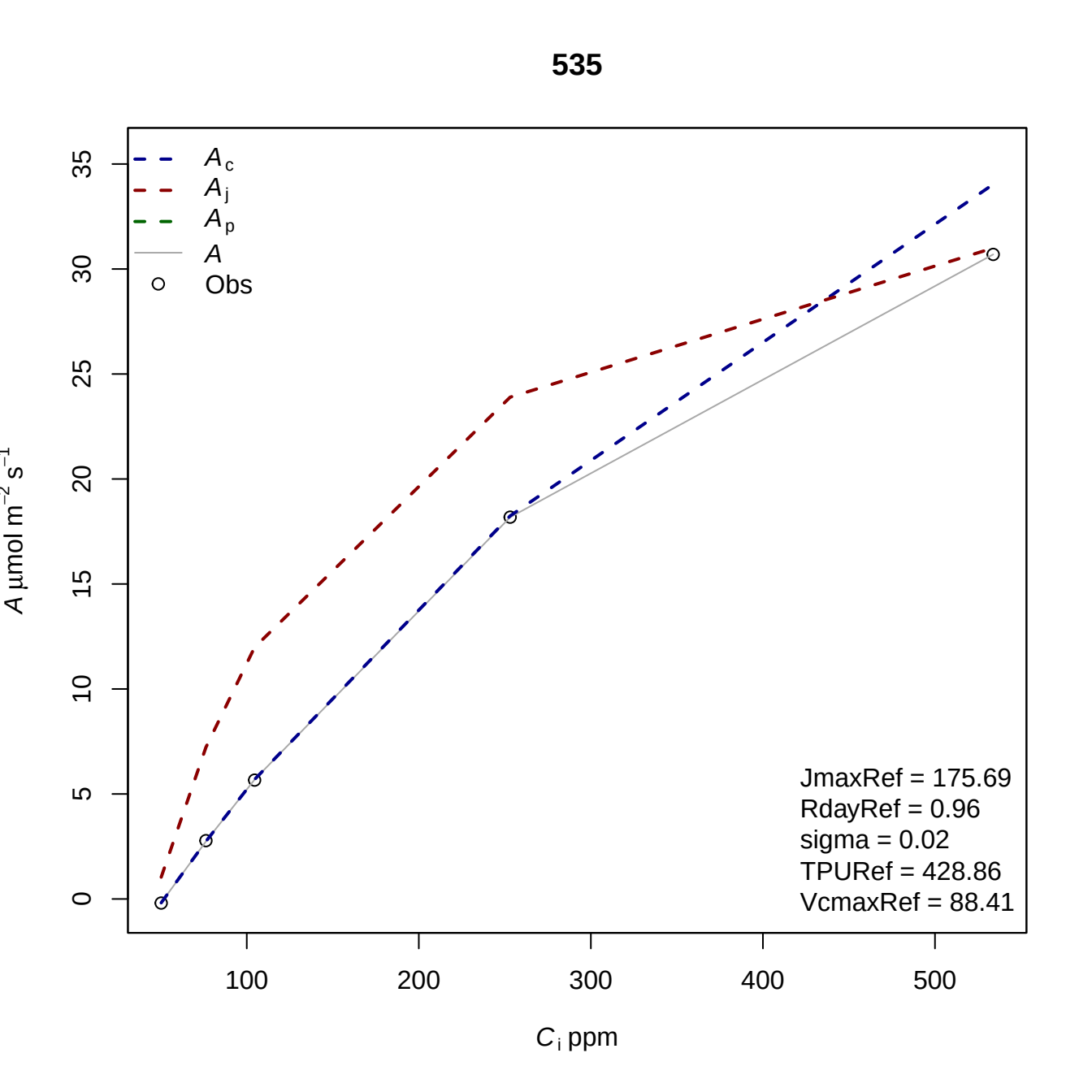

530
A_c
A_j
A_p
A
Obs
JmaxRef = 83.94
RdayRef = 0.77
sigma = 0.09
TPURef = 5.8
VcmaxRef = 34.65
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

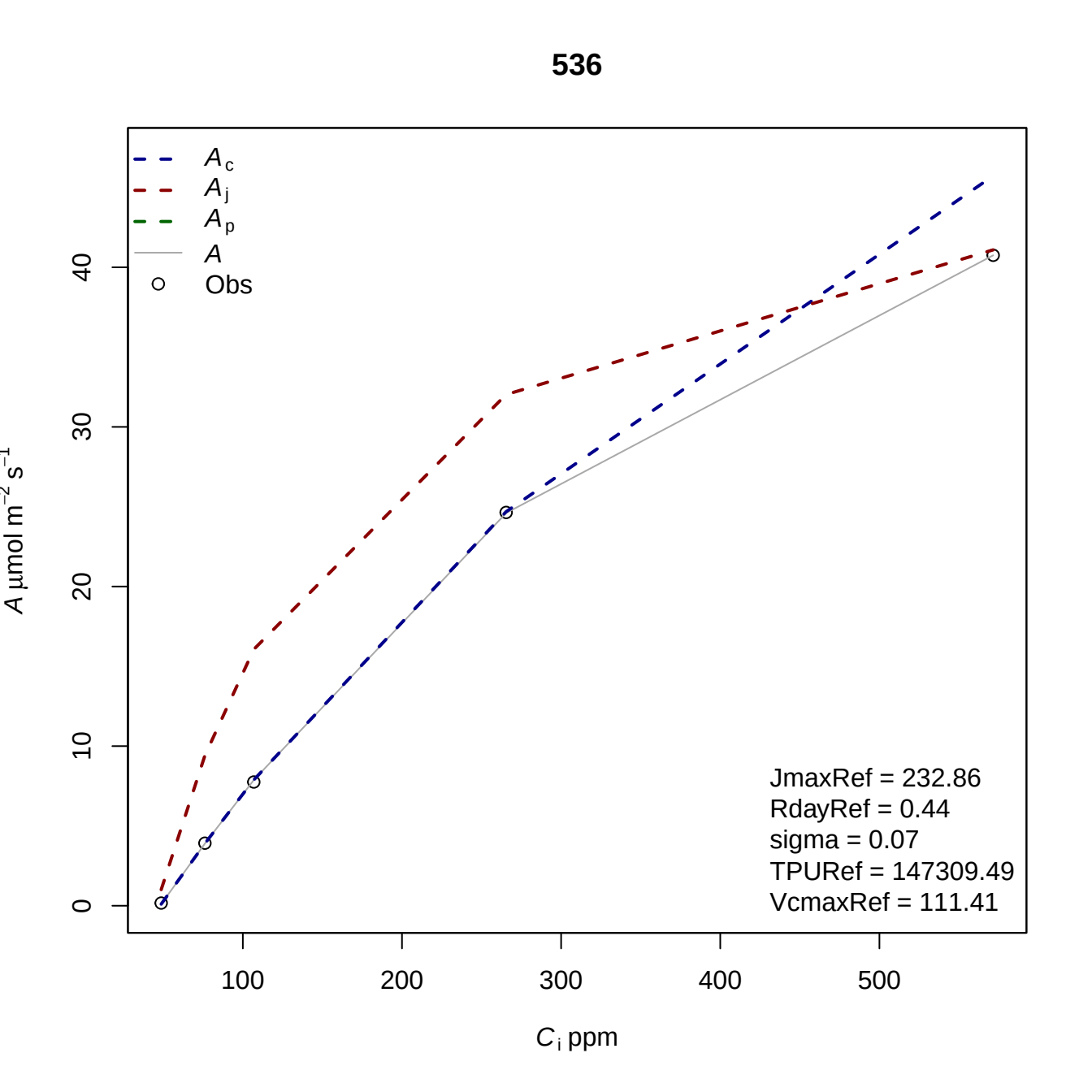

531
A_c
A_j
A_p
A
Obs
JmaxRef = 101.32
RdayRef = 1.38
sigma = 0.12
TPURef = 130612.31
VcmaxRef = 52.03
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

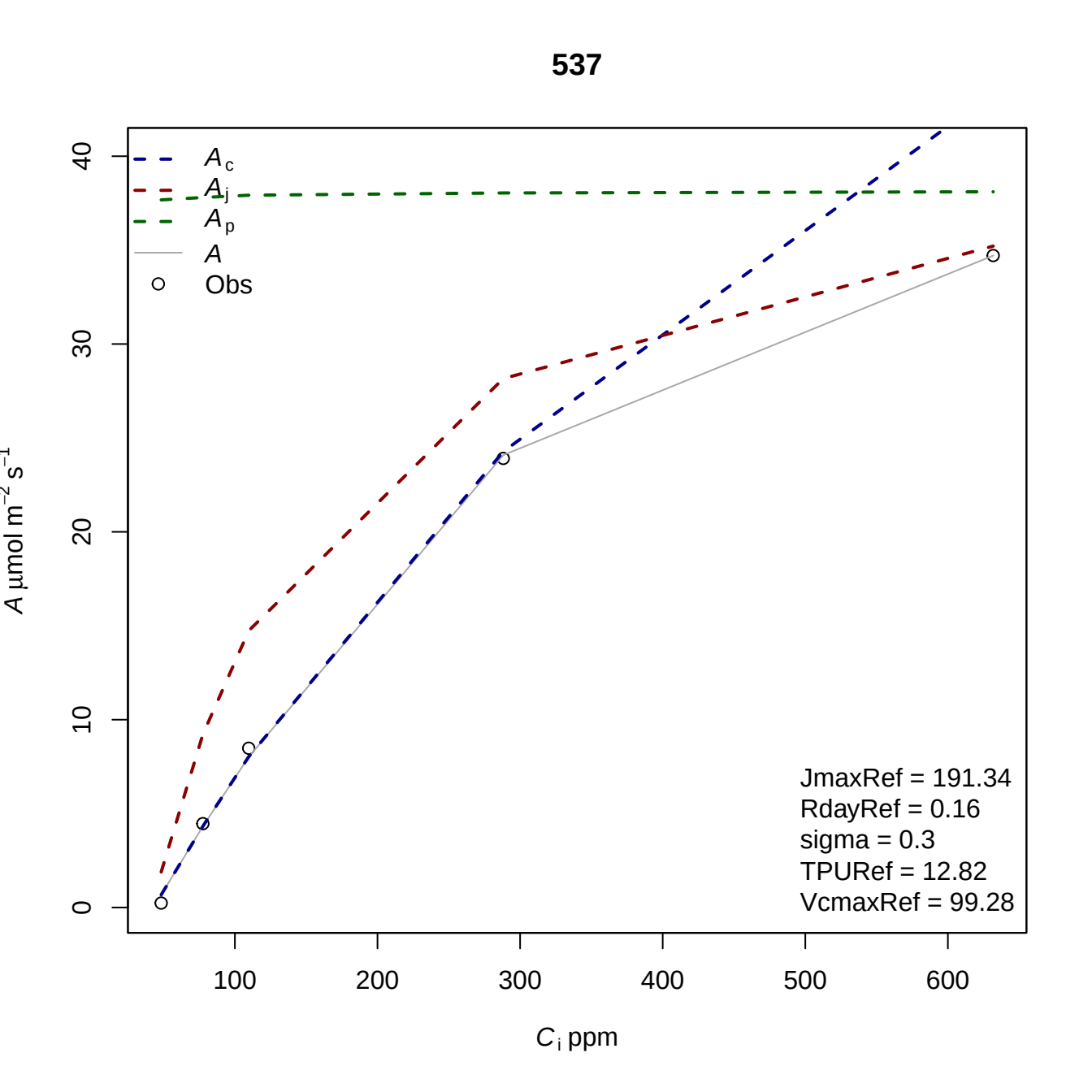

532
A_c
A_j
A_p
A
Obs
JmaxRef = 64.07
RdayRef = 0.91
sigma = 0.02
TPURef = 4.48
VcmaxRef = 30.3
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
100
200
300
400
500
600

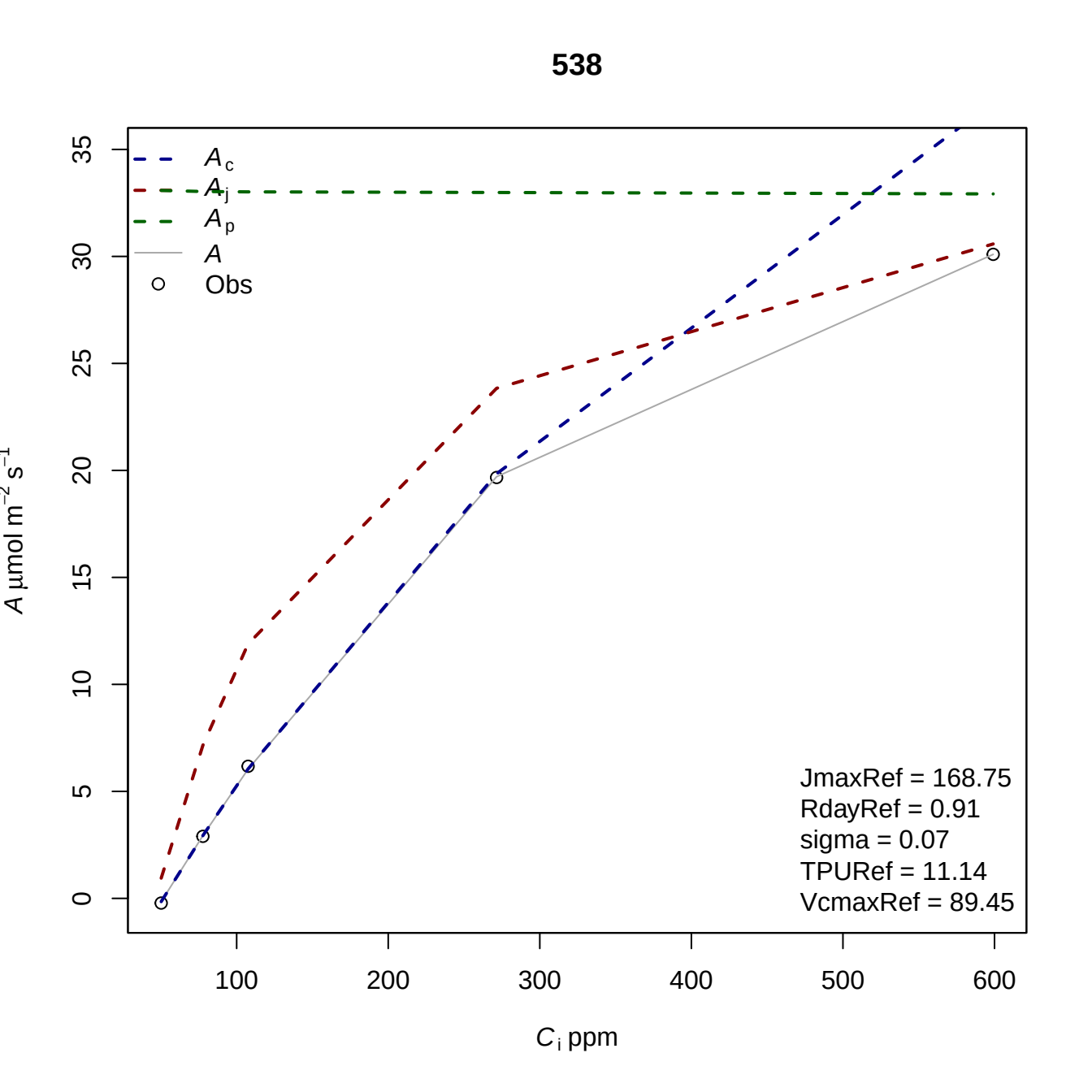

533
A_c
A_j
A_p
A
Obs
JmaxRef = 213.06
RdayRef = 0.87
sigma = 0.11
TPURef = 13.87
VcmaxRef = 101.11
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

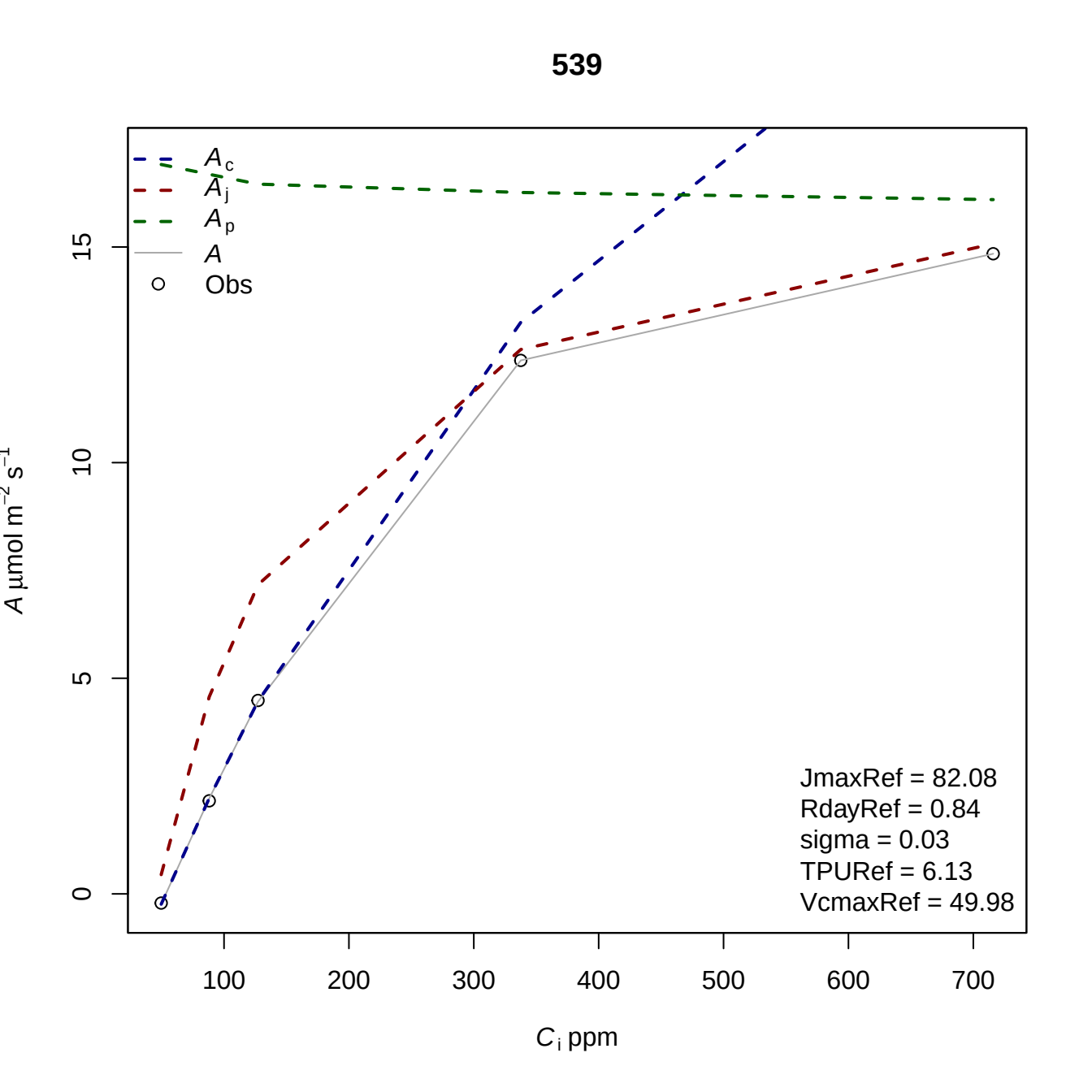

534
A_c
A_j
A_p
A
Obs
JmaxRef = 201.58
RdayRef = 0.77
sigma = 0.06
TPURef = 13.2
VcmaxRef = 101.26
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

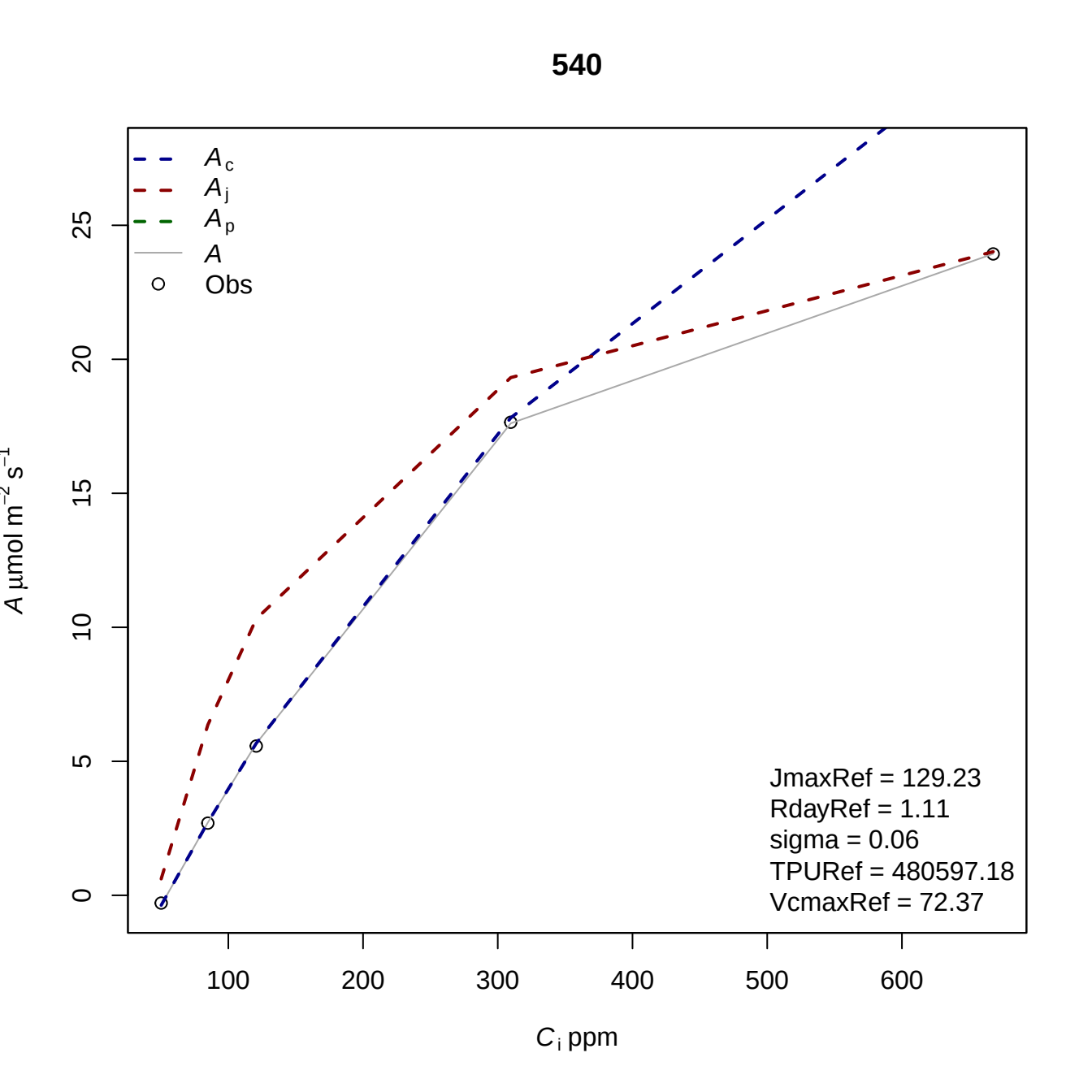

535
A_c
A_j
A_p
A
Obs
JmaxRef = 175.69
RdayRef = 0.96
sigma = 0.02
TPURef = 428.86
VcmaxRef = 88.41
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500

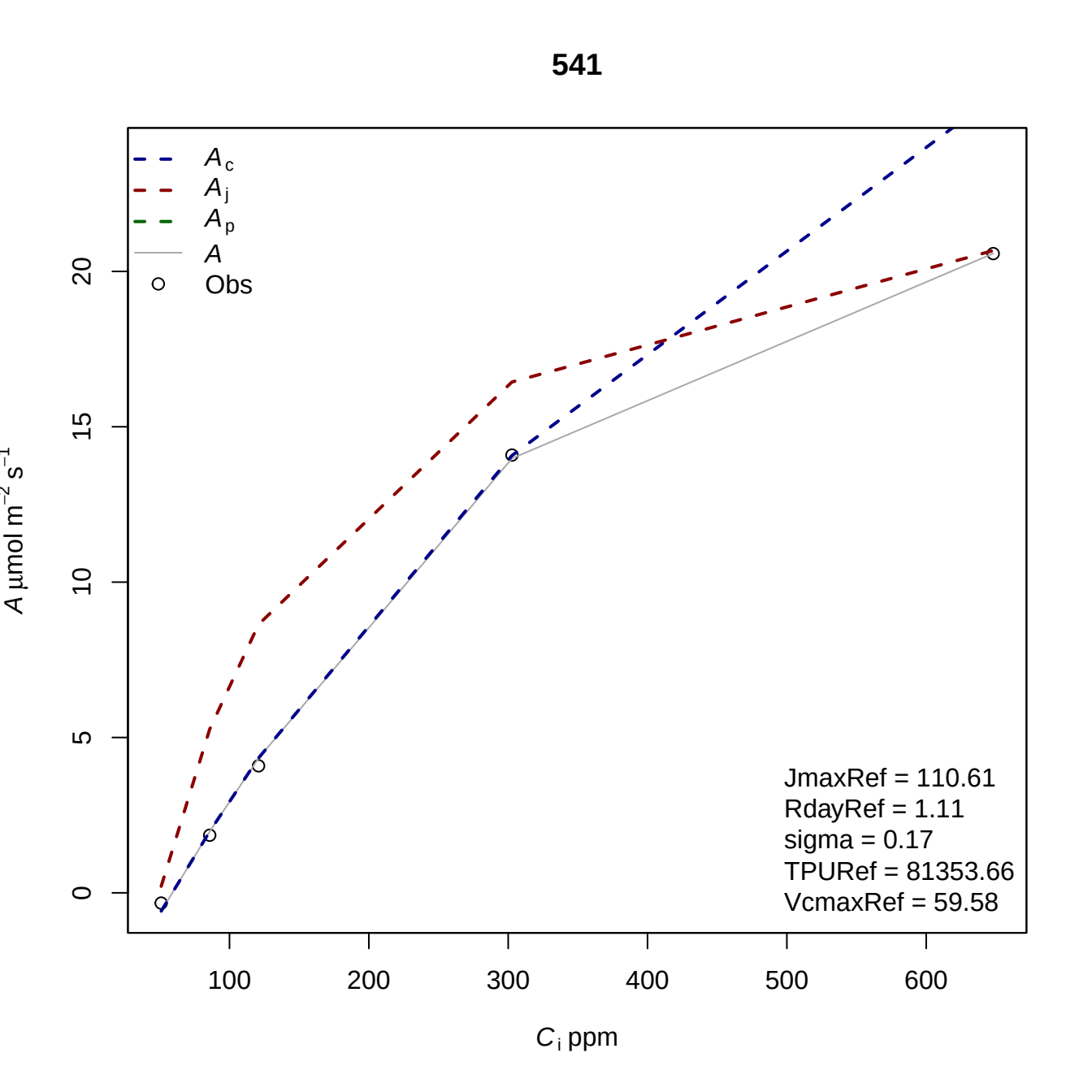

536
A_c
A_j
A_p
A
Obs
JmaxRef = 232.86
RdayRef = 0.44
sigma = 0.07
TPURef = 147309.49
VcmaxRef = 111.41
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
C_i ppm

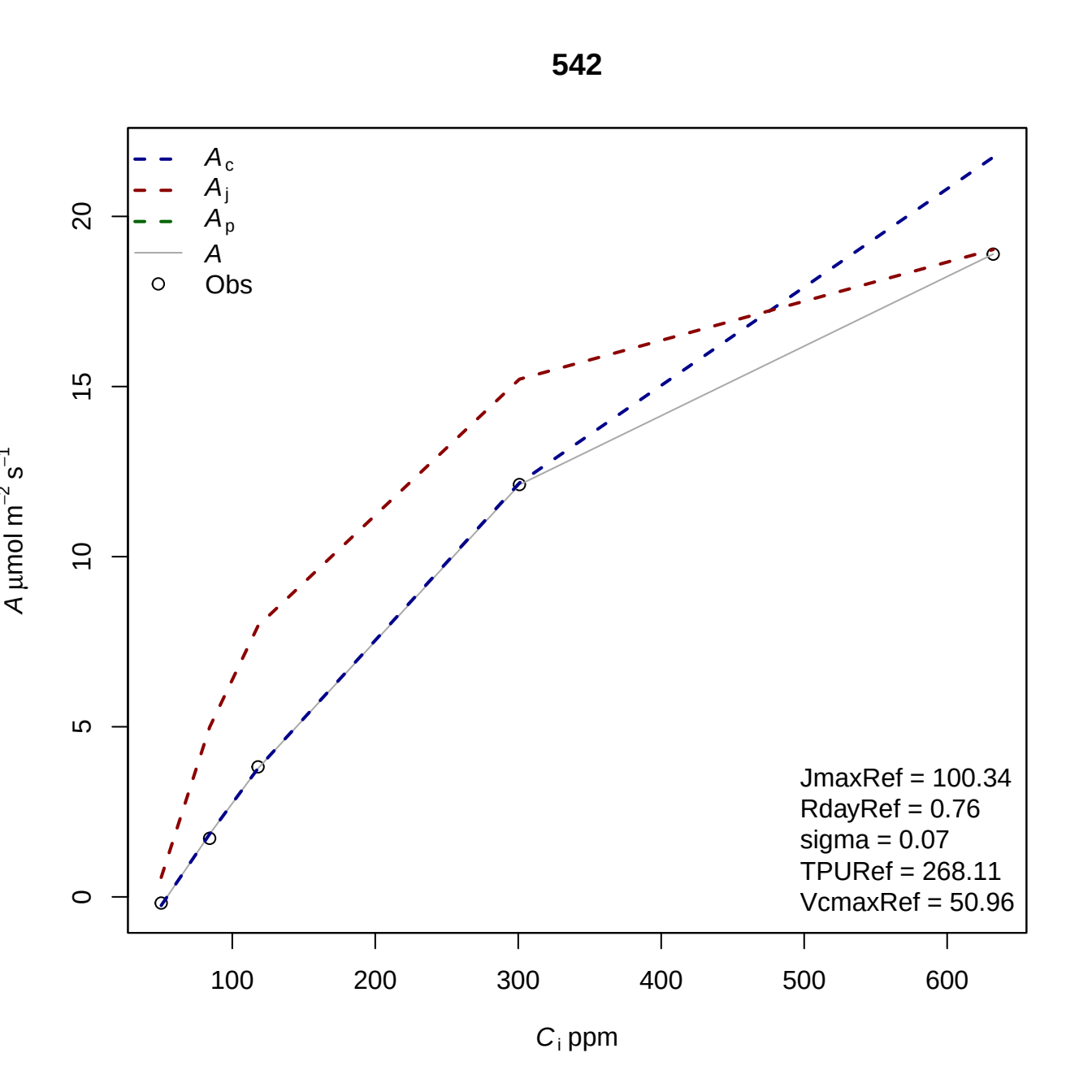

537
A_c
A_j
A_p
A
Obs
JmaxRef = 191.34
RdayRef = 0.16
sigma = 0.3
TPURef = 12.82
VcmaxRef = 99.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

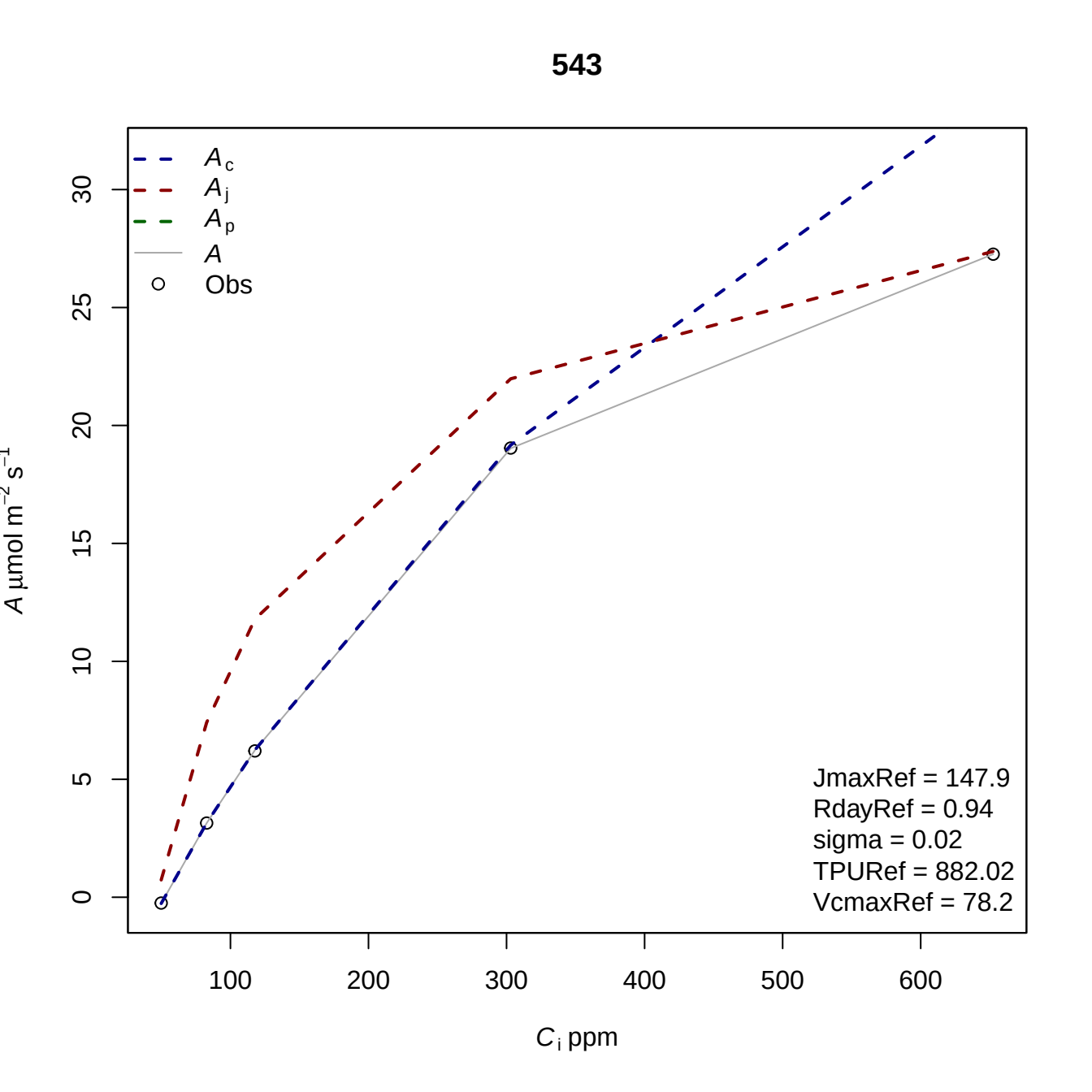

538
A_c
A_j
A_p
A
Obs
JmaxRef = 168.75
RdayRef = 0.91
sigma = 0.07
TPURef = 11.14
VcmaxRef = 89.45
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600

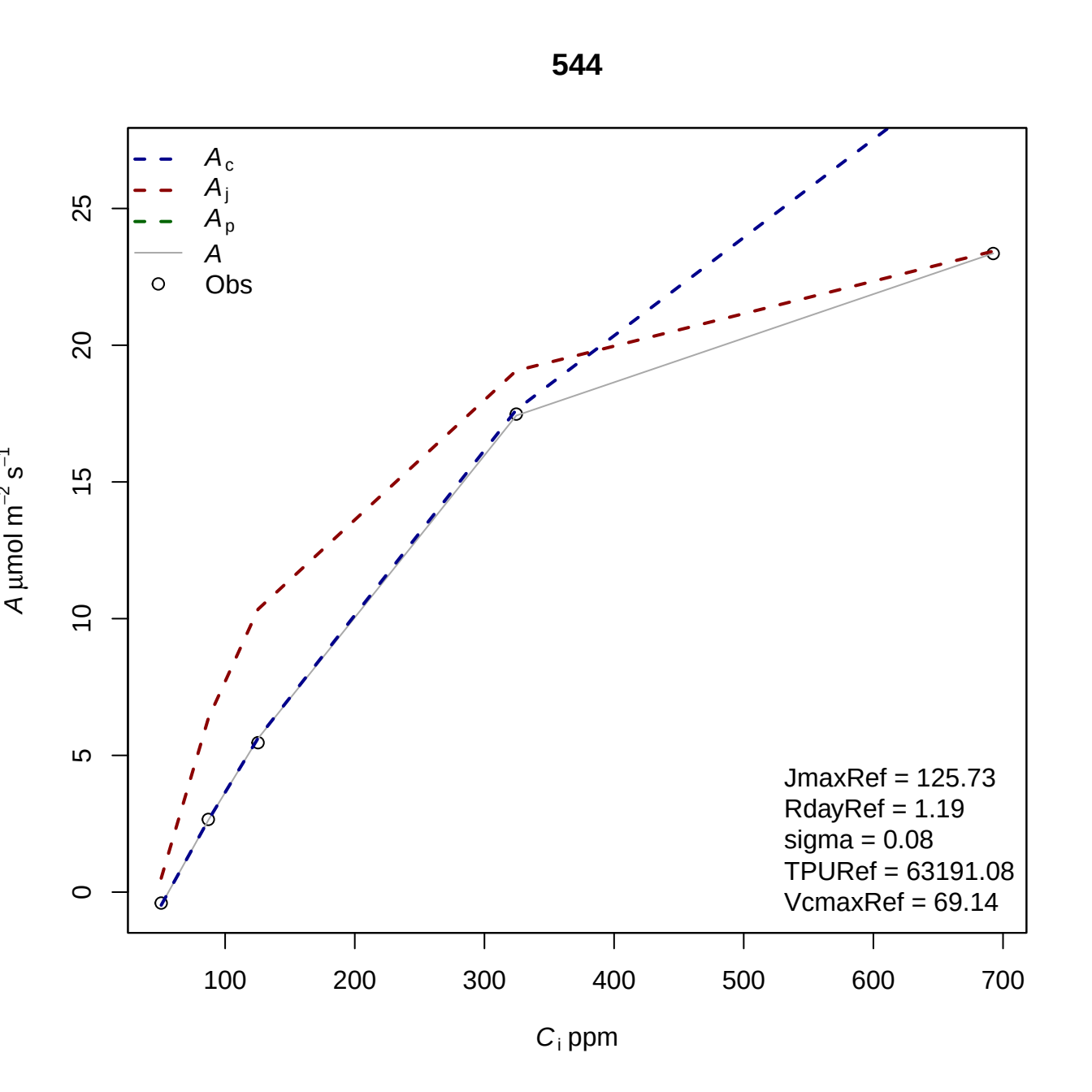

539
A_c
A_j
A_p
A
Obs
JmaxRef = 82.08
RdayRef = 0.84
sigma = 0.03
TPURef = 6.13
VcmaxRef = 49.98
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600
700

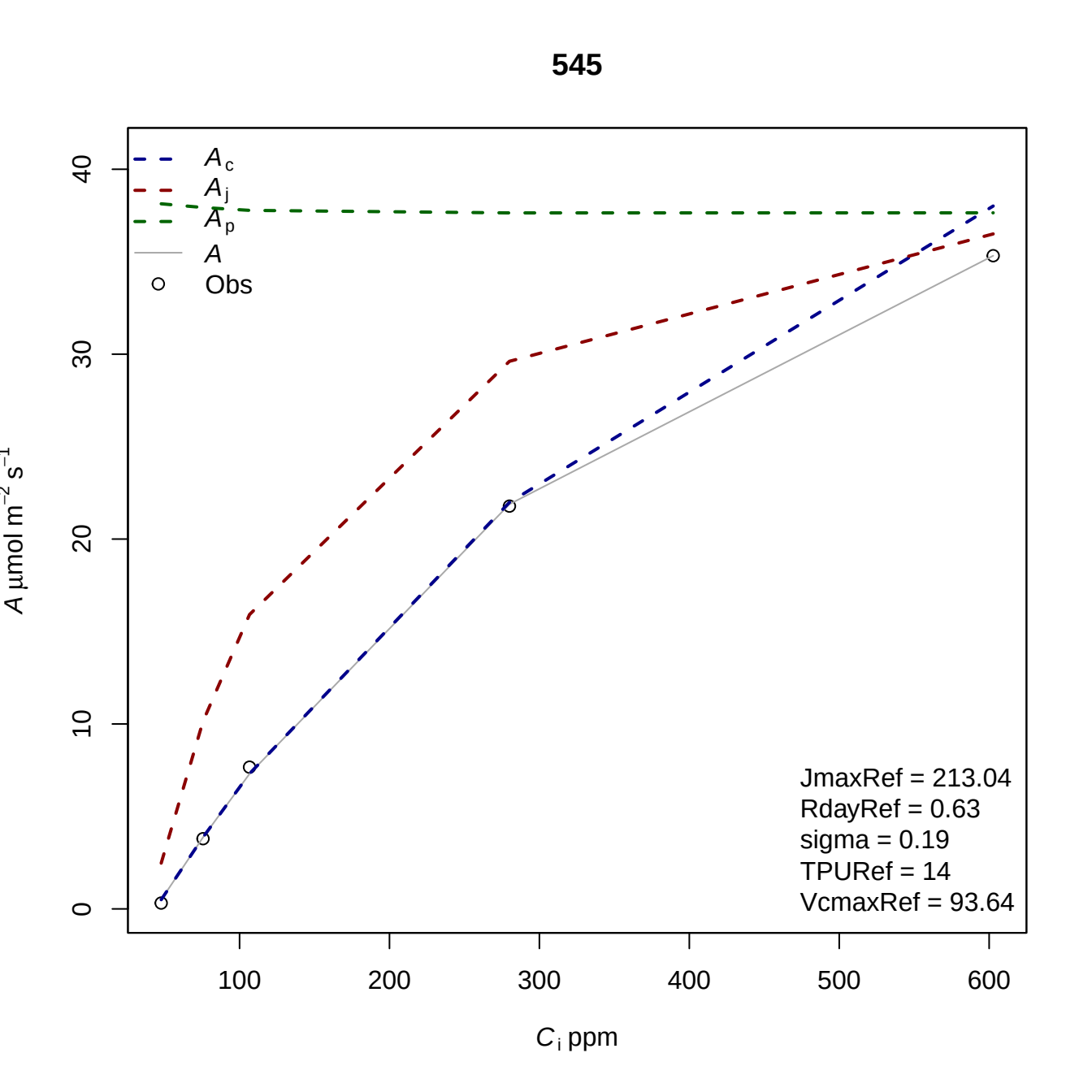

540
A_c
A_j
A_p
A
Obs
JmaxRef = 129.23
RdayRef = 1.11
sigma = 0.06
TPURef = 480597.18
VcmaxRef = 72.37
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600

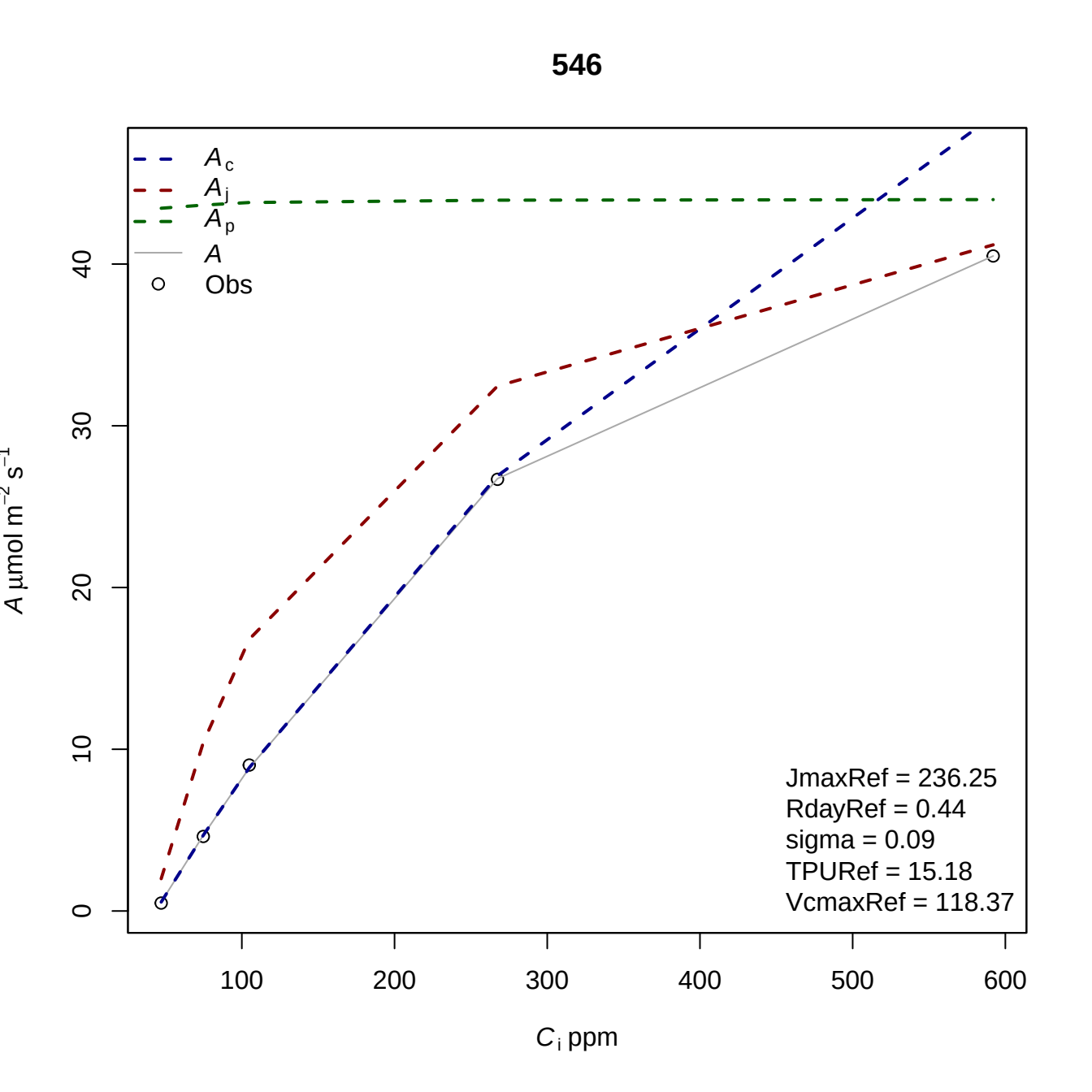

541
A_c
A_j
A_p
A
Obs
JmaxRef = 110.61
RdayRef = 1.11
sigma = 0.17
TPURef = 81353.66
VcmaxRef = 59.58
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

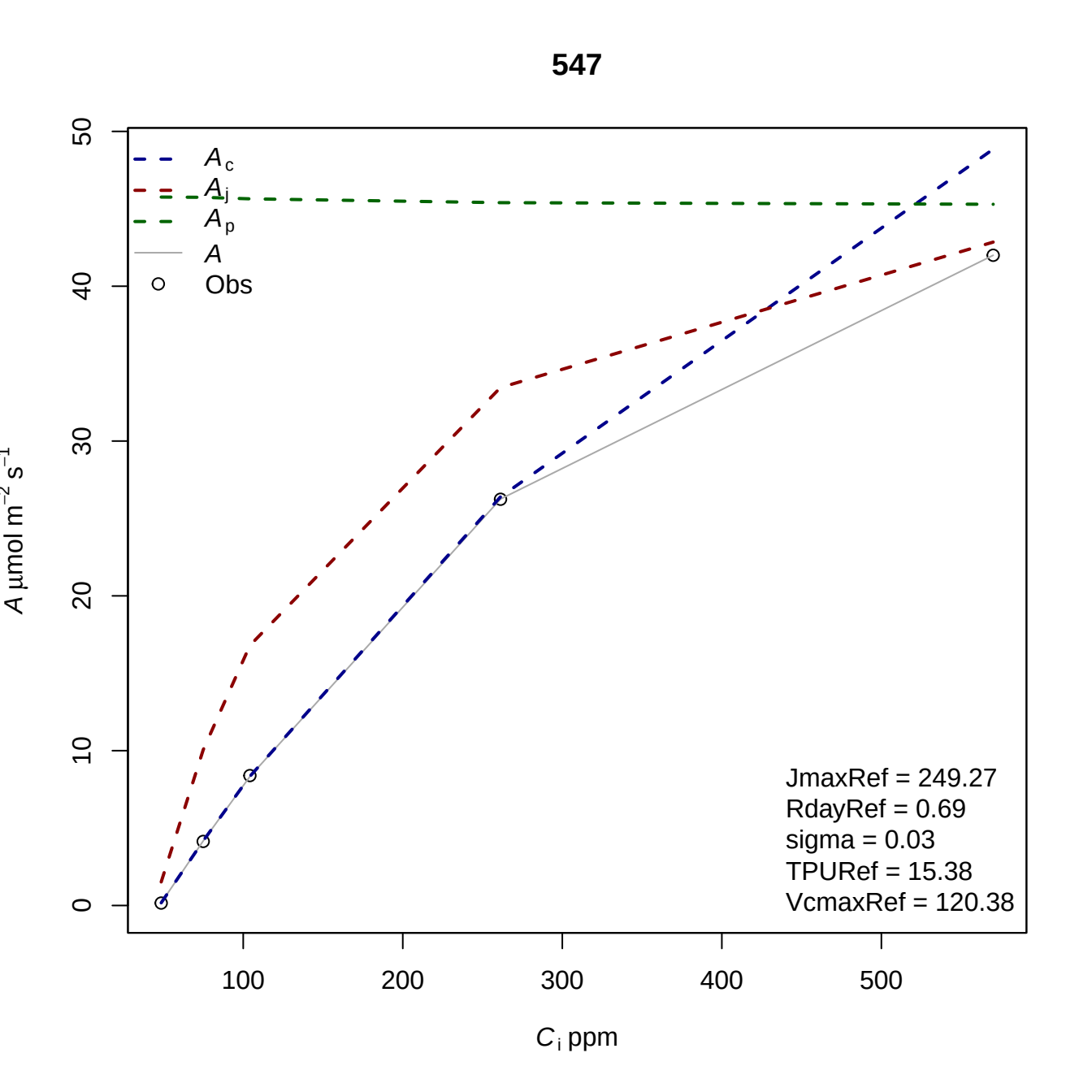

542
A_c
A_j
A_p
A
Obs
JmaxRef = 100.34
RdayRef = 0.76
sigma = 0.07
TPURef = 268.11
VcmaxRef = 50.96
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

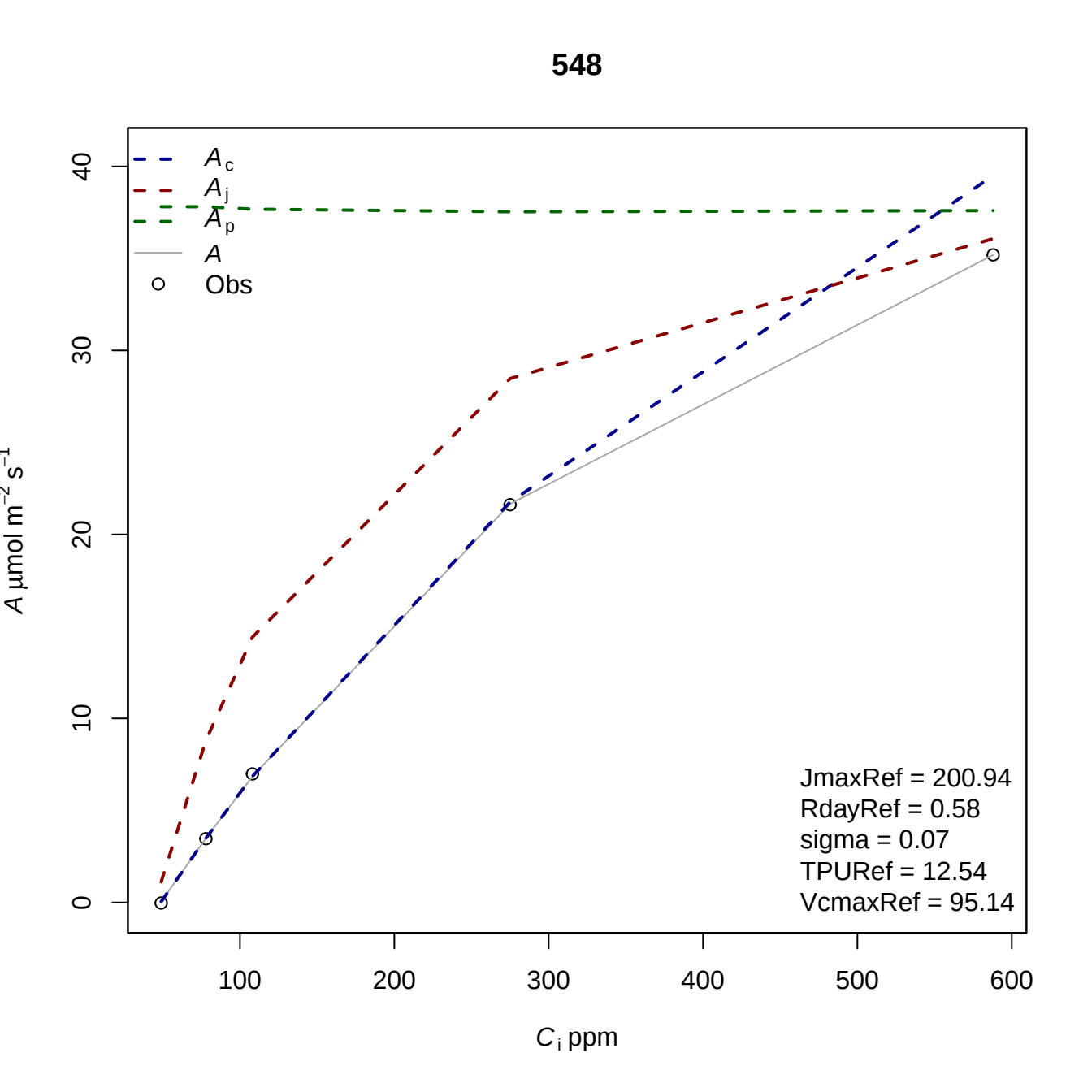

543
A_c
A_j
A_p
A
Obs
JmaxRef = 147.9
RdayRef = 0.94
sigma = 0.02
TPURef = 882.02
VcmaxRef = 78.2
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
100
200
300
400
500
600

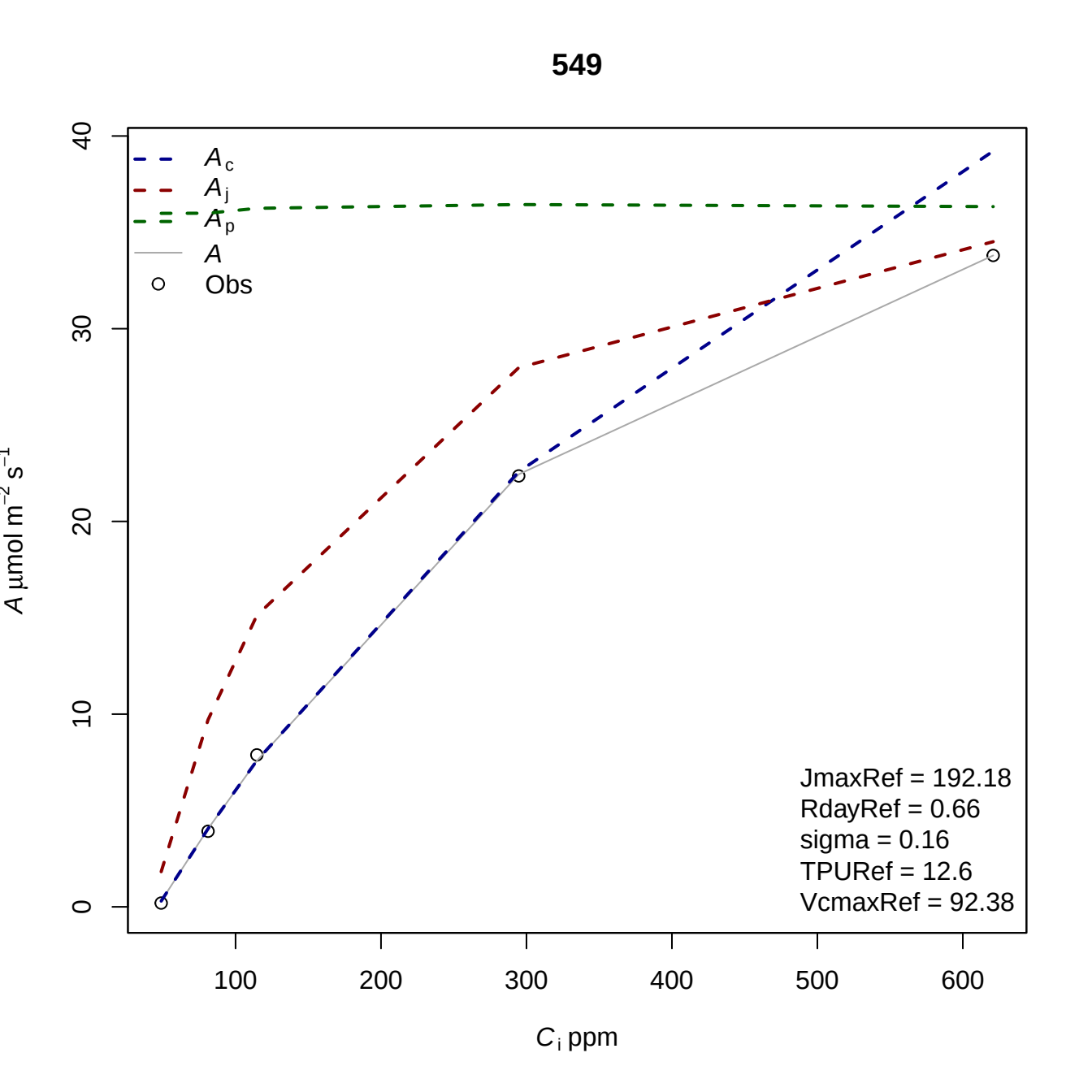

544
A_c
A_j
A_p
A
Obs
JmaxRef = 125.73
RdayRef = 1.19
sigma = 0.08
TPURef = 63191.08
VcmaxRef = 69.14
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600
700

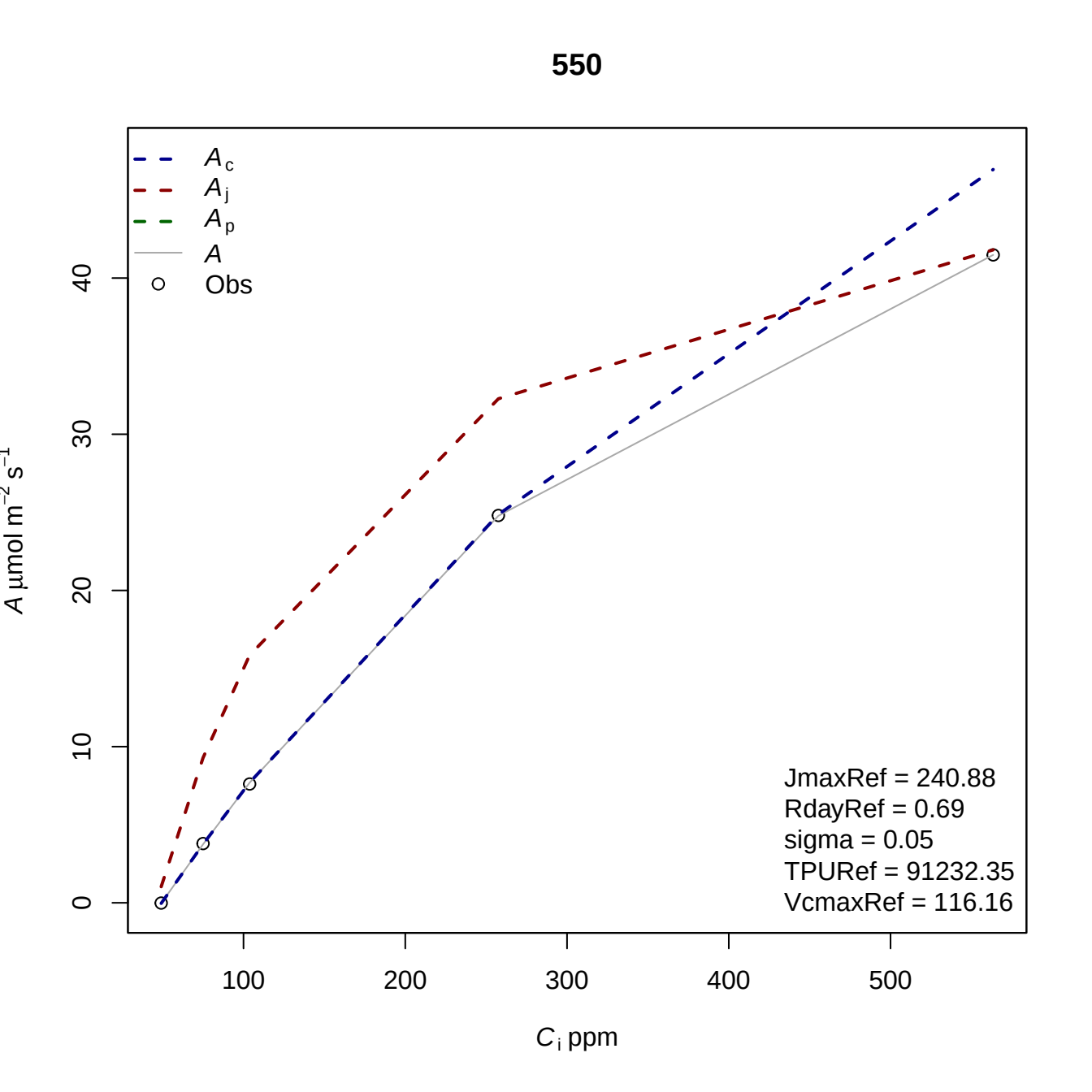

545
A_c
A_j
A_p
A
Obs
JmaxRef = 213.04
RdayRef = 0.63
sigma = 0.19
TPURef = 14
VcmaxRef = 93.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

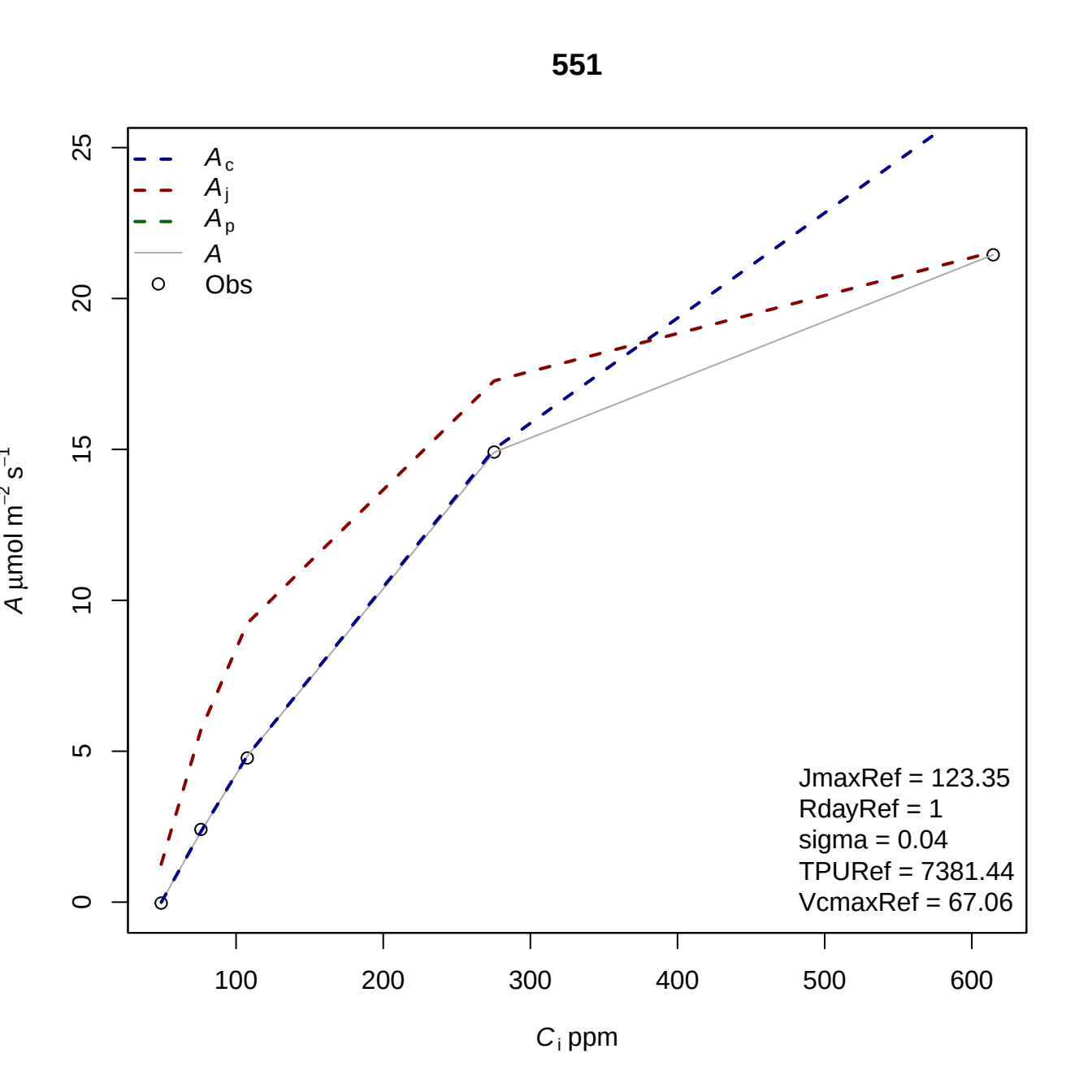

546
A_c
A_j
A_p
A
Obs
JmaxRef = 236.25
RdayRef = 0.44
sigma = 0.09
TPURef = 15.18
VcmaxRef = 118.37
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

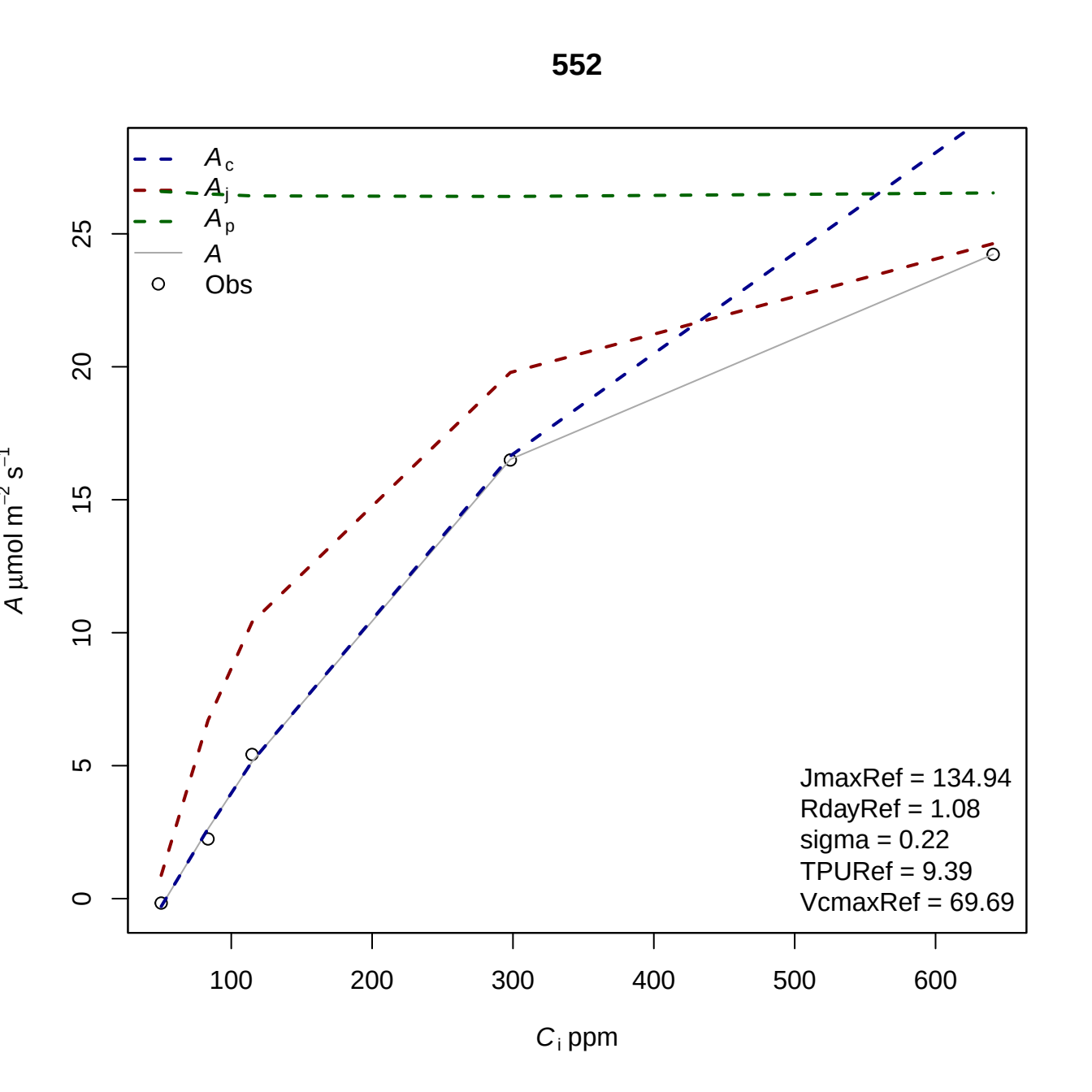

547
A_c
A_j
A_p
A
Obs
JmaxRef = 249.27
RdayRef = 0.69
sigma = 0.03
TPURef = 15.38
VcmaxRef = 120.38
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

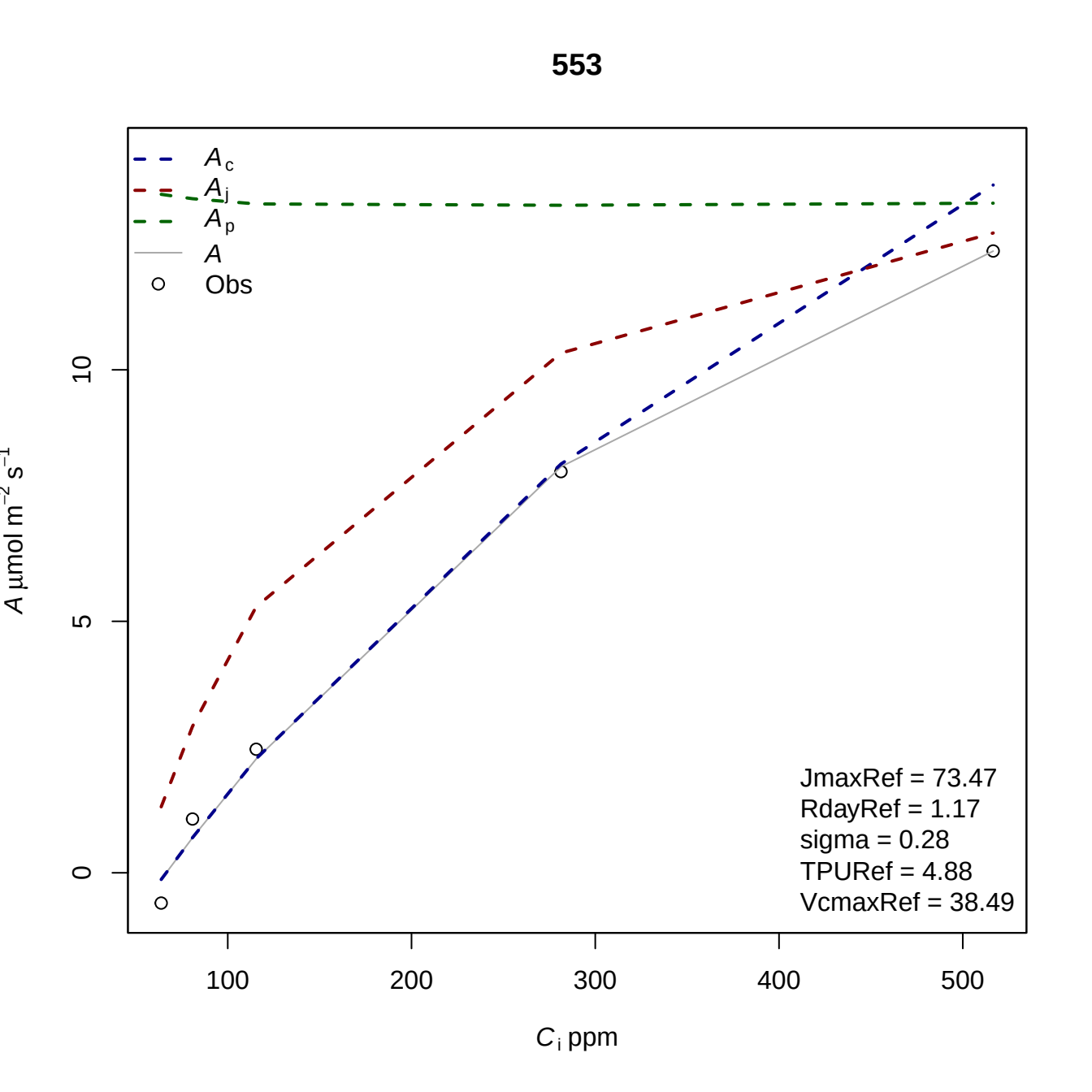

548
A_c
A_j
A_p
A
Obs
JmaxRef = 200.94
RdayRef = 0.58
sigma = 0.07
TPURef = 12.54
VcmaxRef = 95.14
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

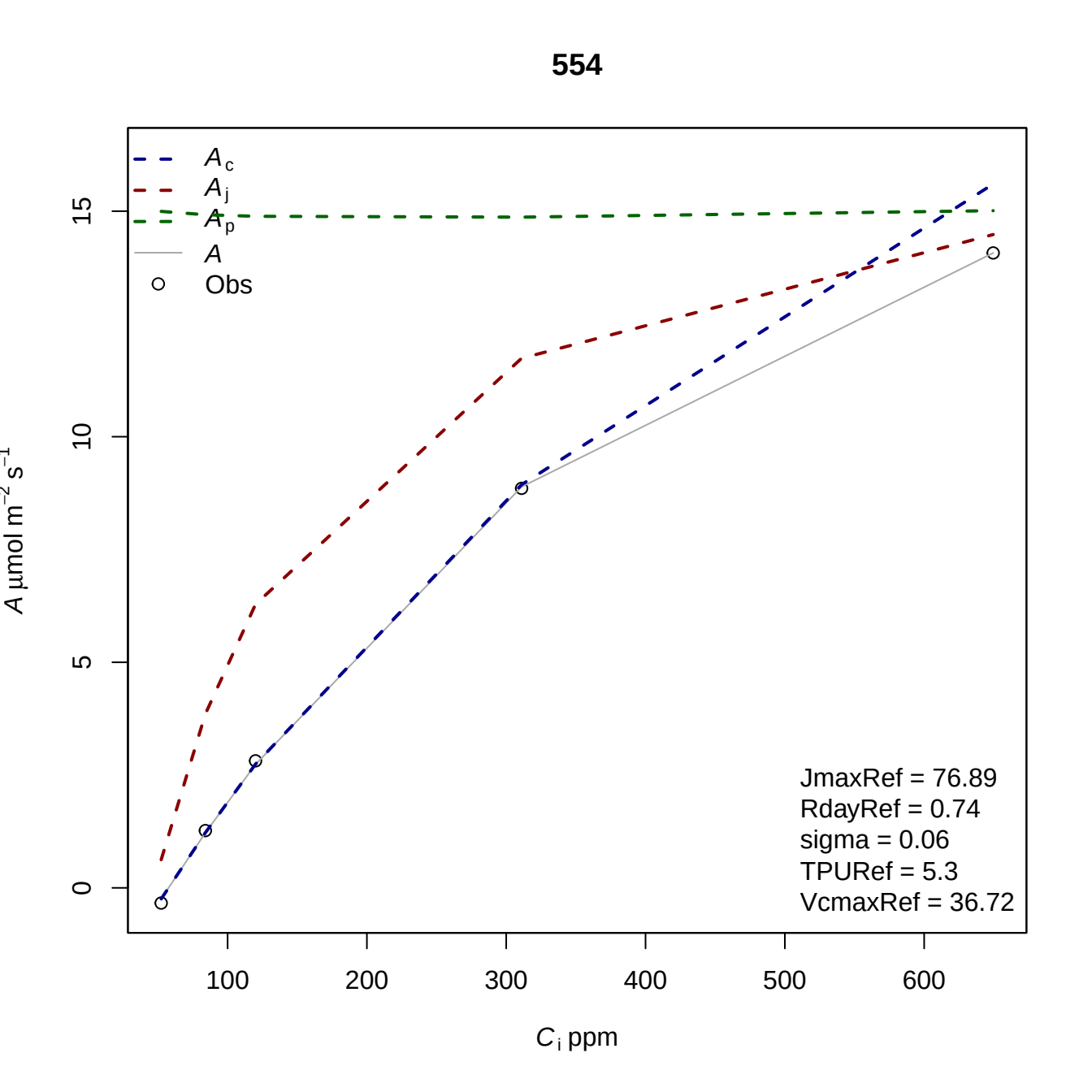

549
A_c
A_j
A_p
A
Obs
JmaxRef = 192.18
RdayRef = 0.66
sigma = 0.16
TPURef = 12.6
VcmaxRef = 92.38
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

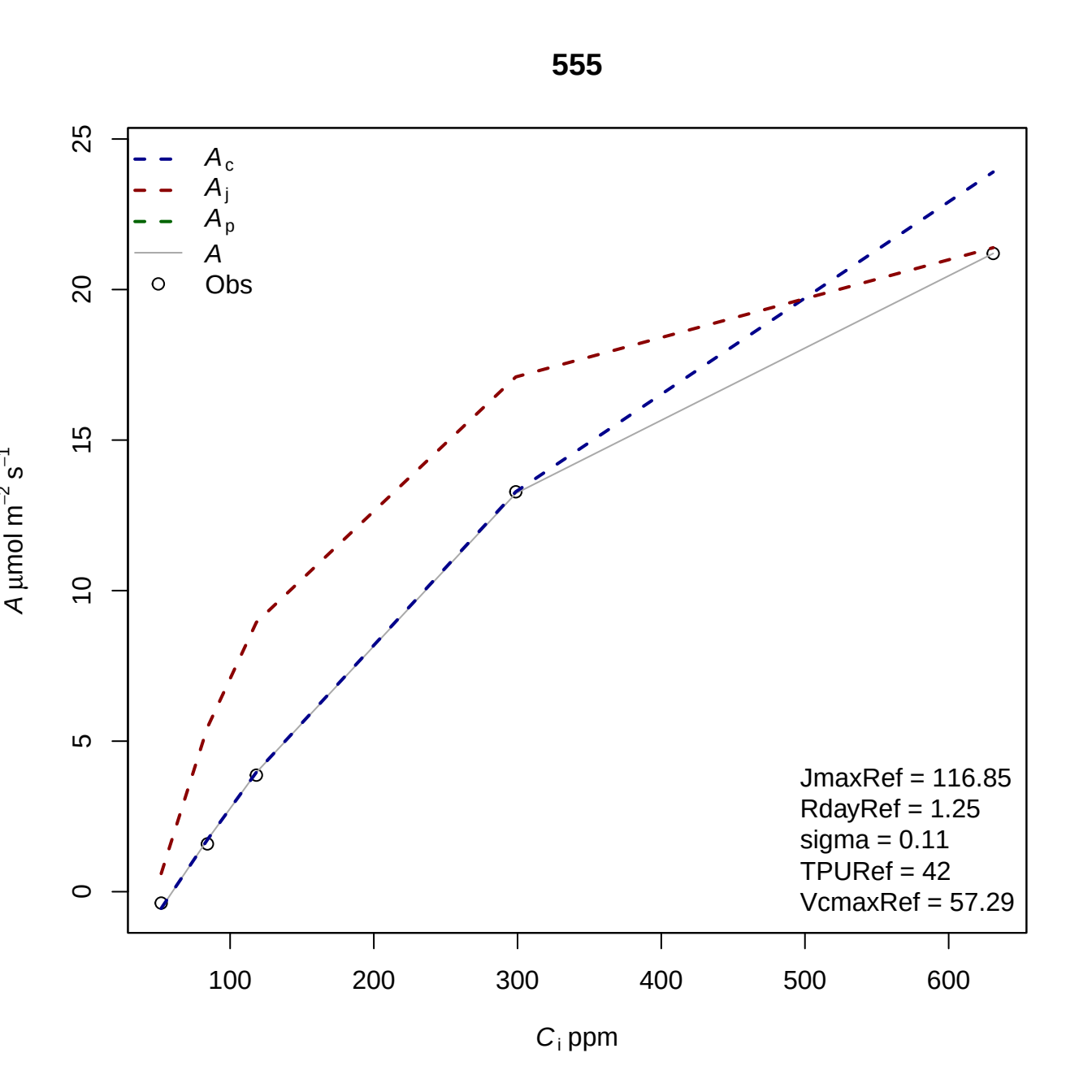

550
A_c
A_j
A_p
A
Obs
JmaxRef = 240.88
RdayRef = 0.69
sigma = 0.05
TPURef = 91232.35
VcmaxRef = 116.16
0
10
20
30
40
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

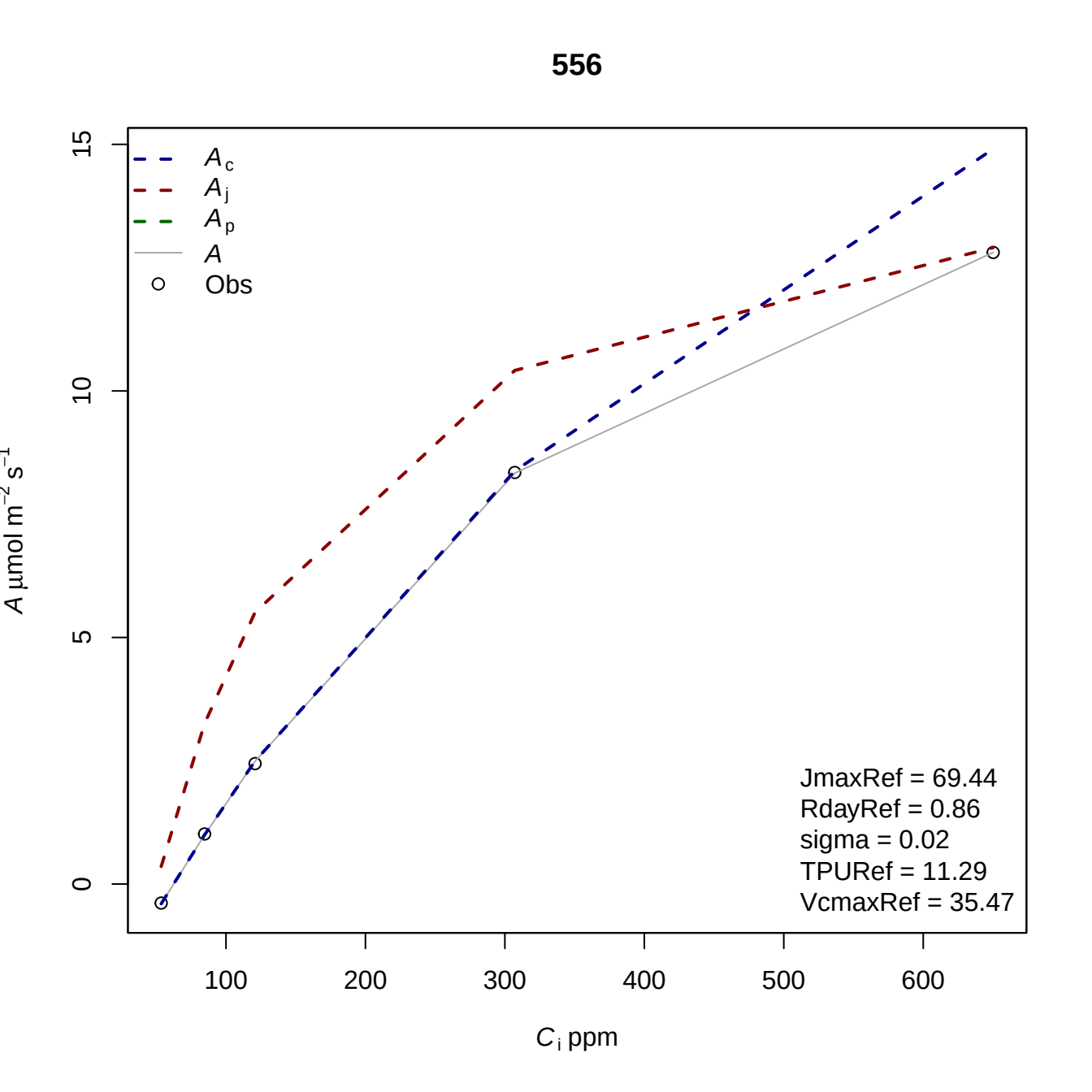

551
A_c
A_j
A_p
A
Obs
JmaxRef = 123.35
RdayRef = 1
sigma = 0.04
TPURef = 7381.44
VcmaxRef = 67.06
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600

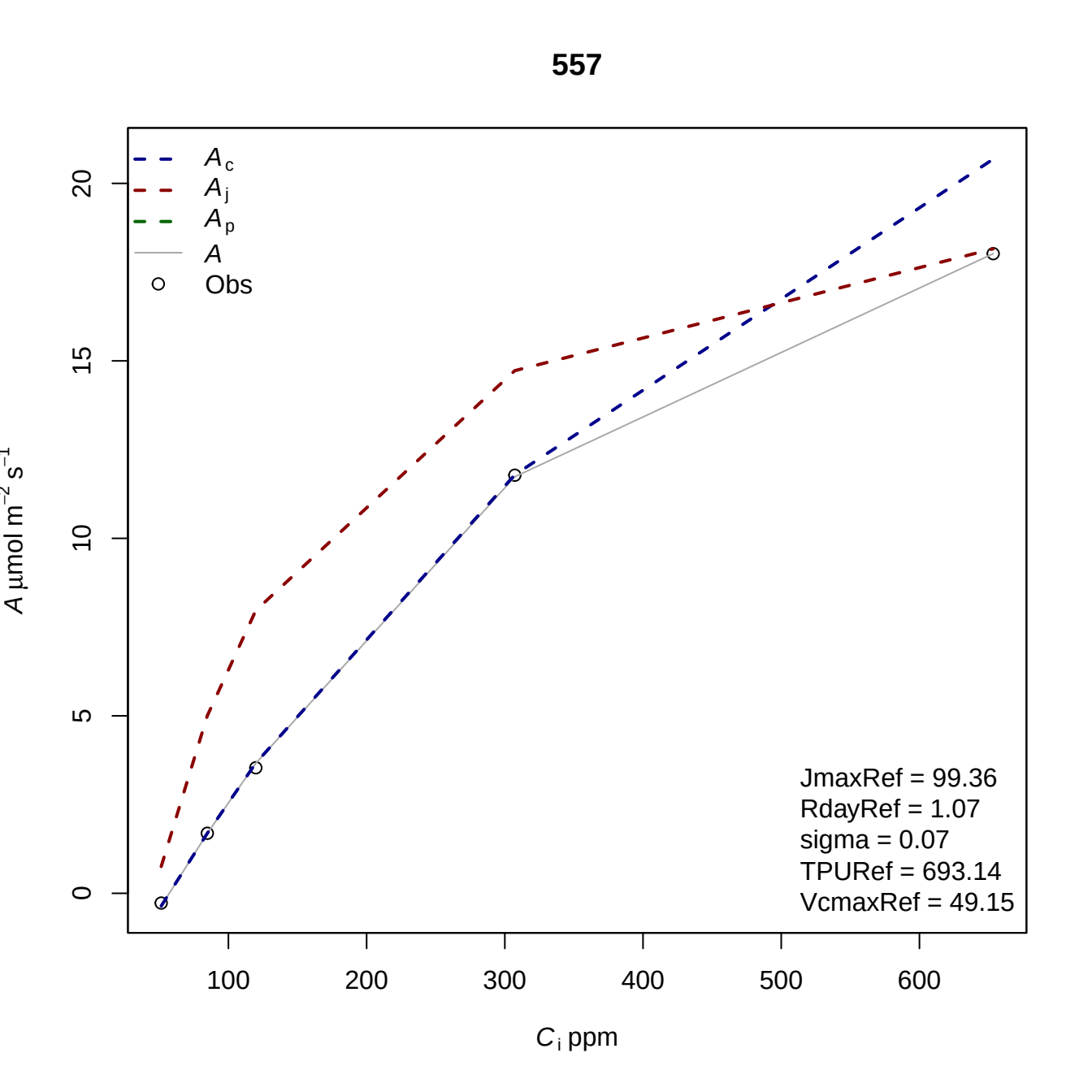

552
A_c
A_j
A_p
A
Obs
JmaxRef = 134.94
RdayRef = 1.08
sigma = 0.22
TPURef = 9.39
VcmaxRef = 69.69
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600

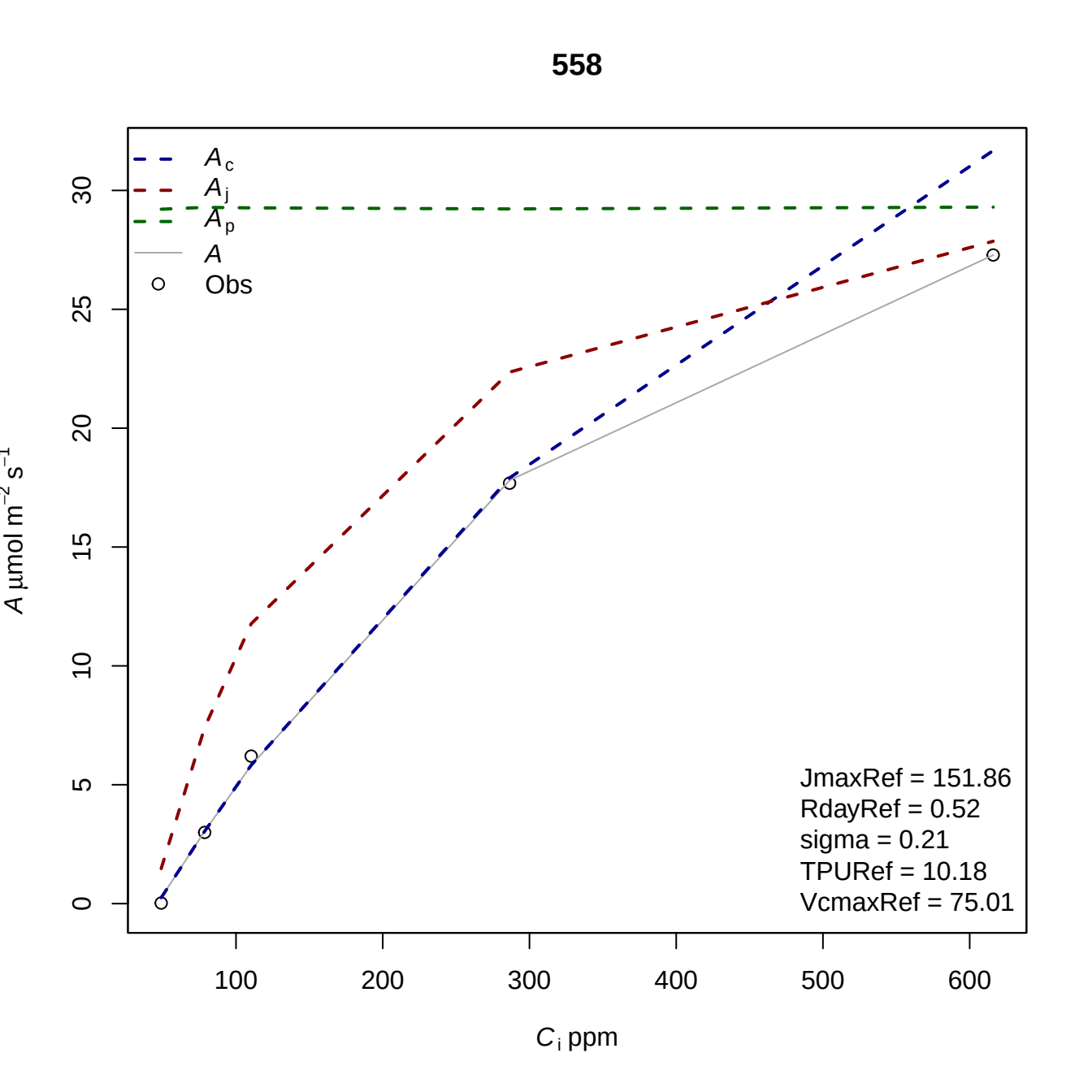

553
A_c
A_j
A_p
A
Obs
JmaxRef = 73.47
RdayRef = 1.17
sigma = 0.28
TPURef = 4.88
VcmaxRef = 38.49
0
5
10
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm

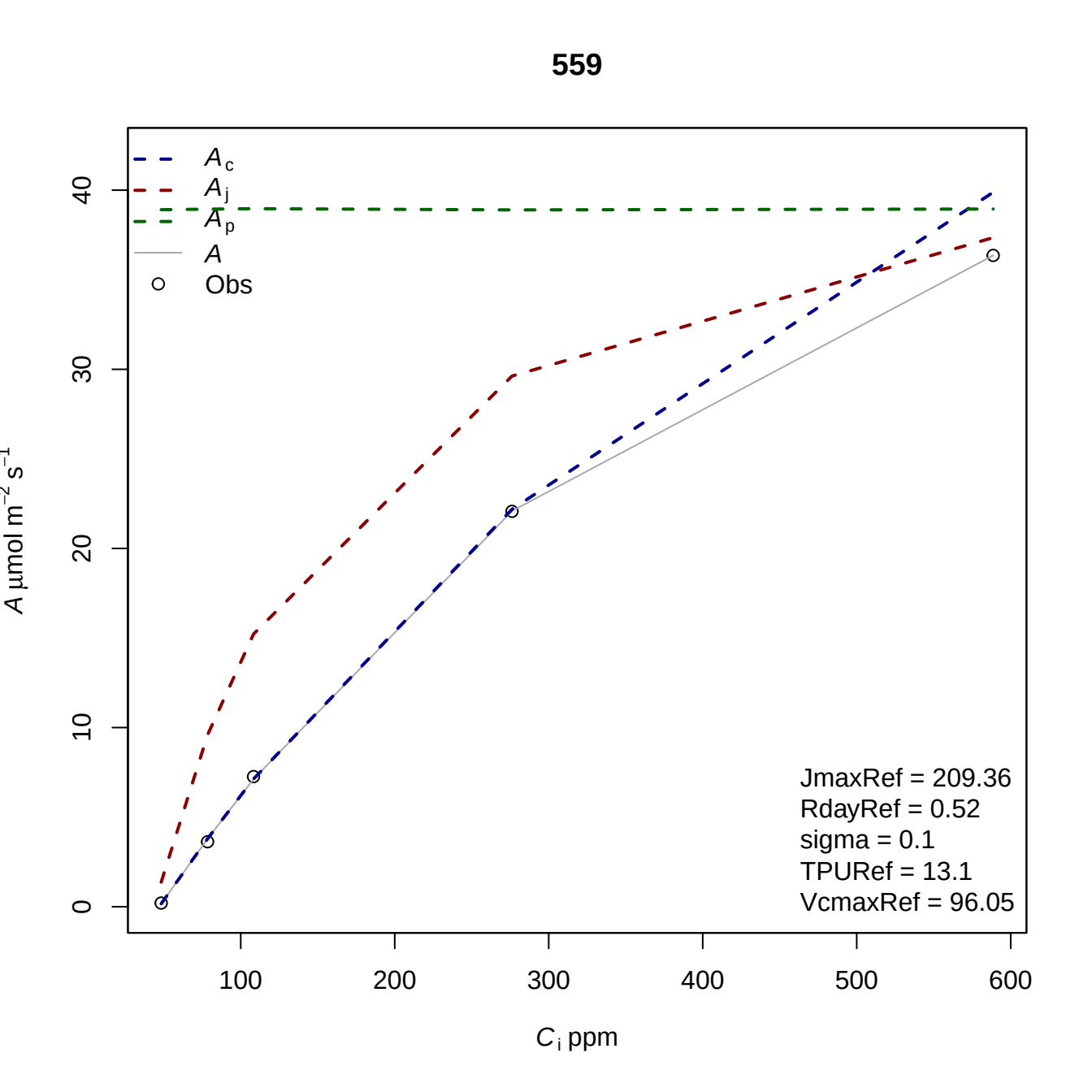

554
A_c
A_j
A_p
A
Obs
JmaxRef = 76.89
RdayRef = 0.74
sigma = 0.06
TPURef = 5.3
VcmaxRef = 36.72
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

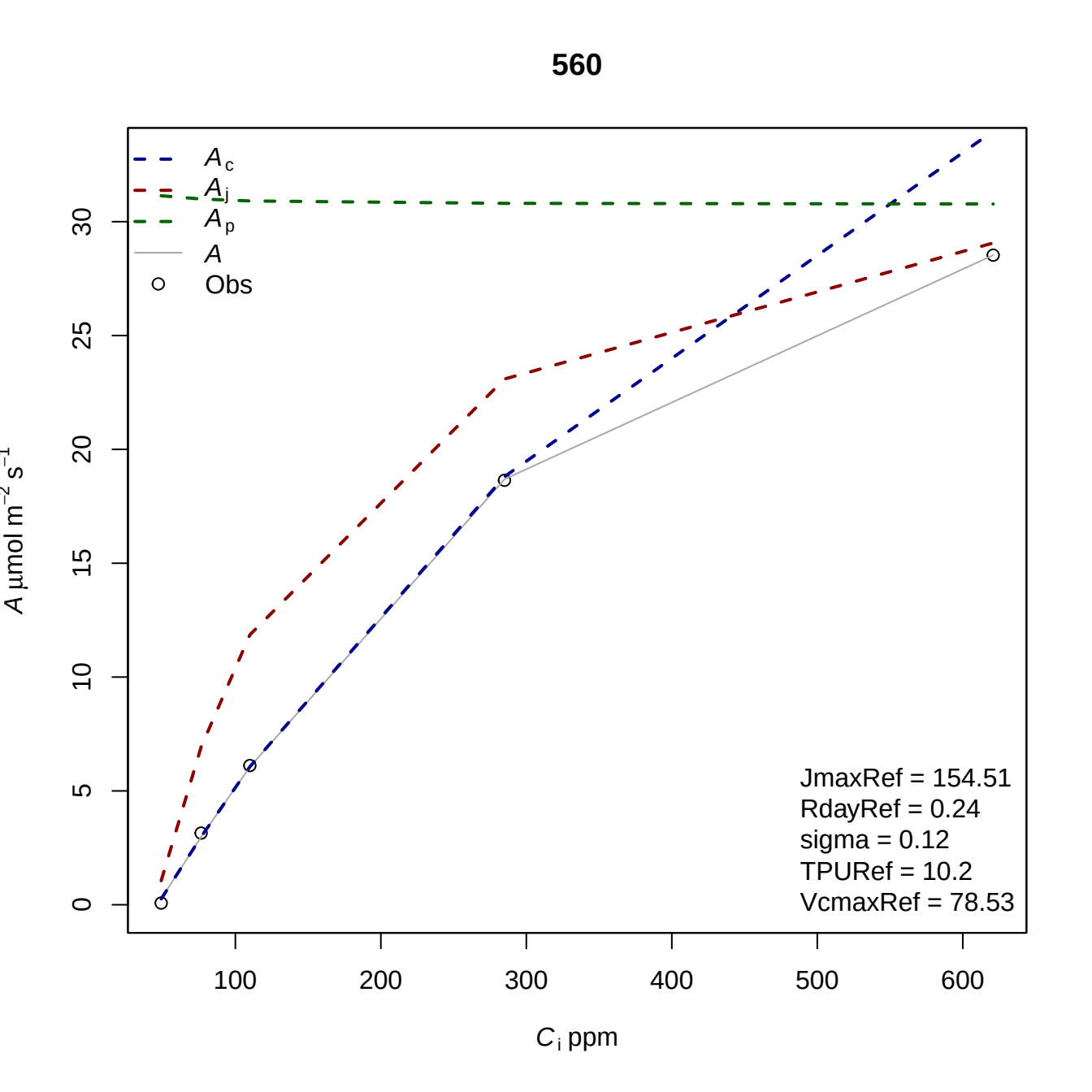

555
A_c
A_j
A_p
A
Obs
JmaxRef = 116.85
RdayRef = 1.25
sigma = 0.11
TPURef = 42
VcmaxRef = 57.29
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600

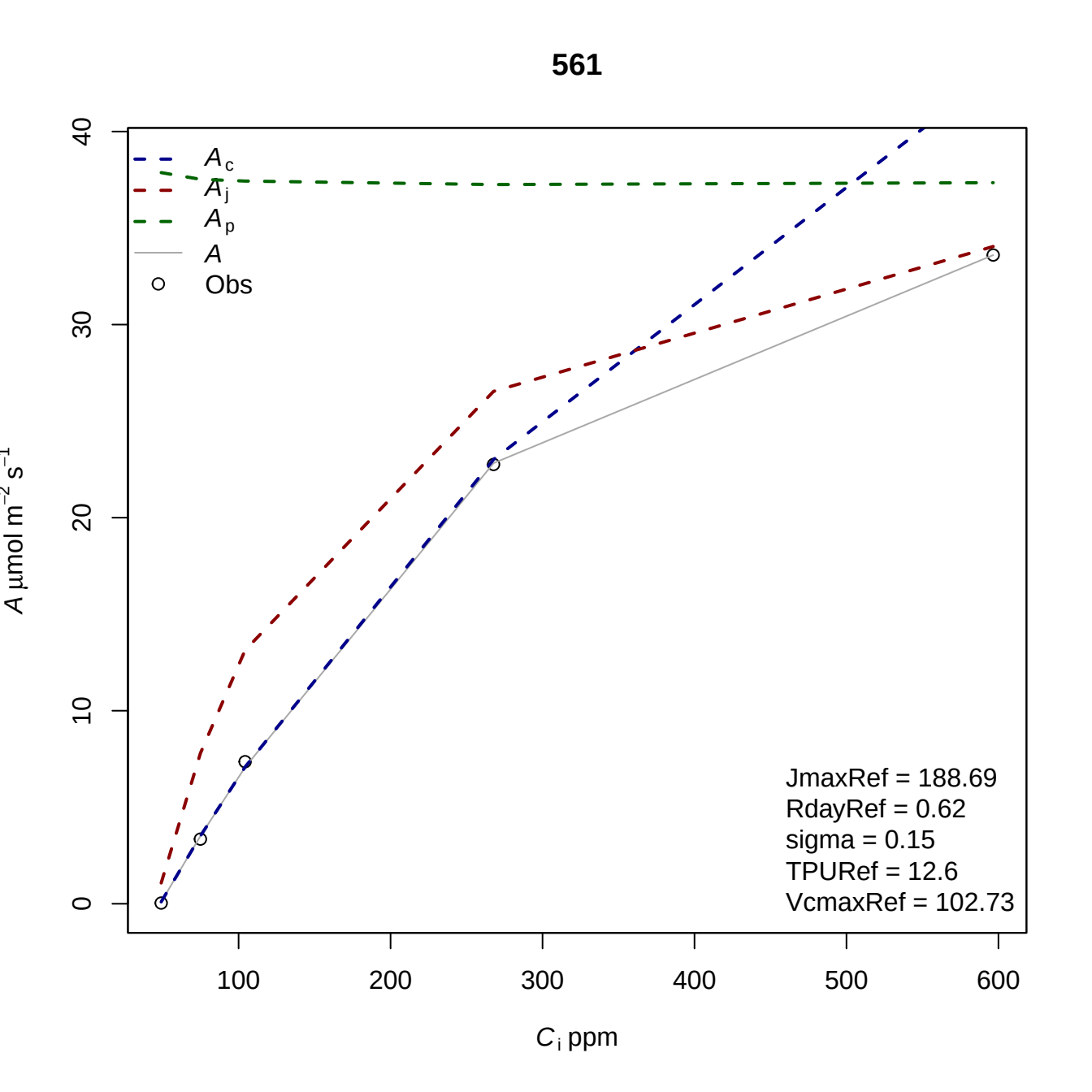

556
A_c
A_j
A_p
A
Obs
JmaxRef = 69.44
RdayRef = 0.86
sigma = 0.02
TPURef = 11.29
VcmaxRef = 35.47
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

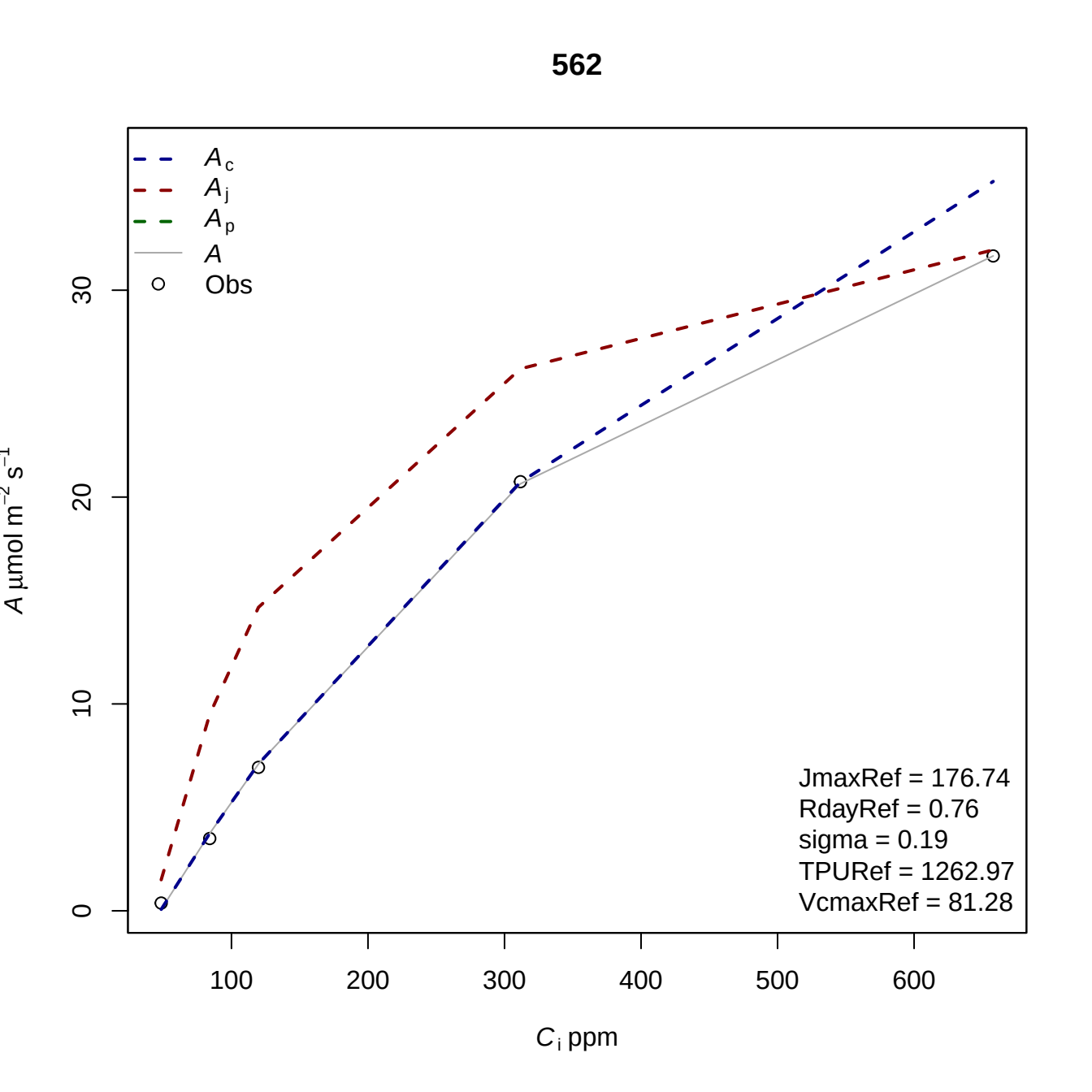

557
A_c
A_j
A_p
A
Obs
JmaxRef = 99.36
RdayRef = 1.07
sigma = 0.07
TPURef = 693.14
VcmaxRef = 49.15
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

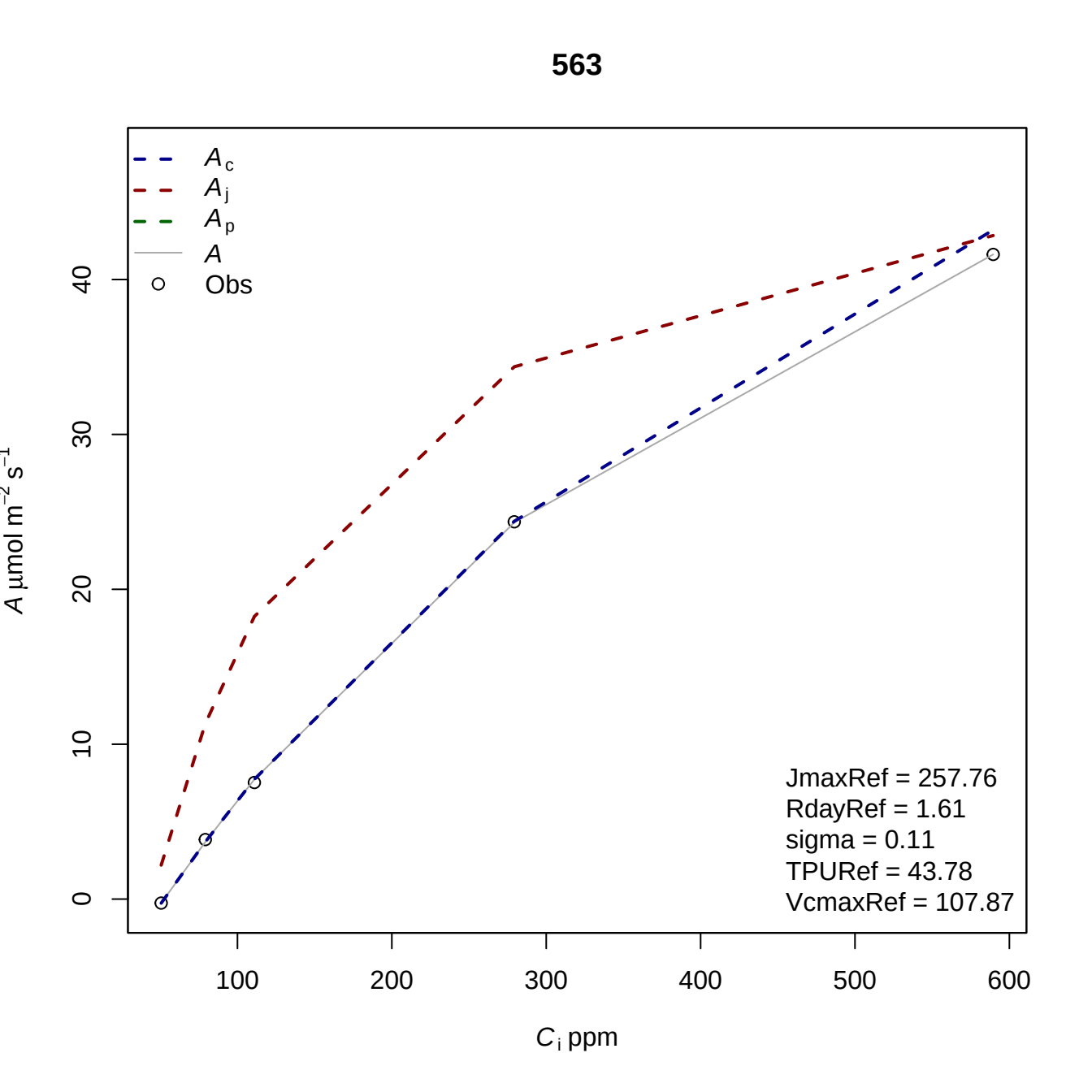

558
A_c
A_j
A_p
A
Obs
JmaxRef = 151.86
RdayRef = 0.52
sigma = 0.21
TPURef = 10.18
VcmaxRef = 75.01
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
100
200
300
400
500
600

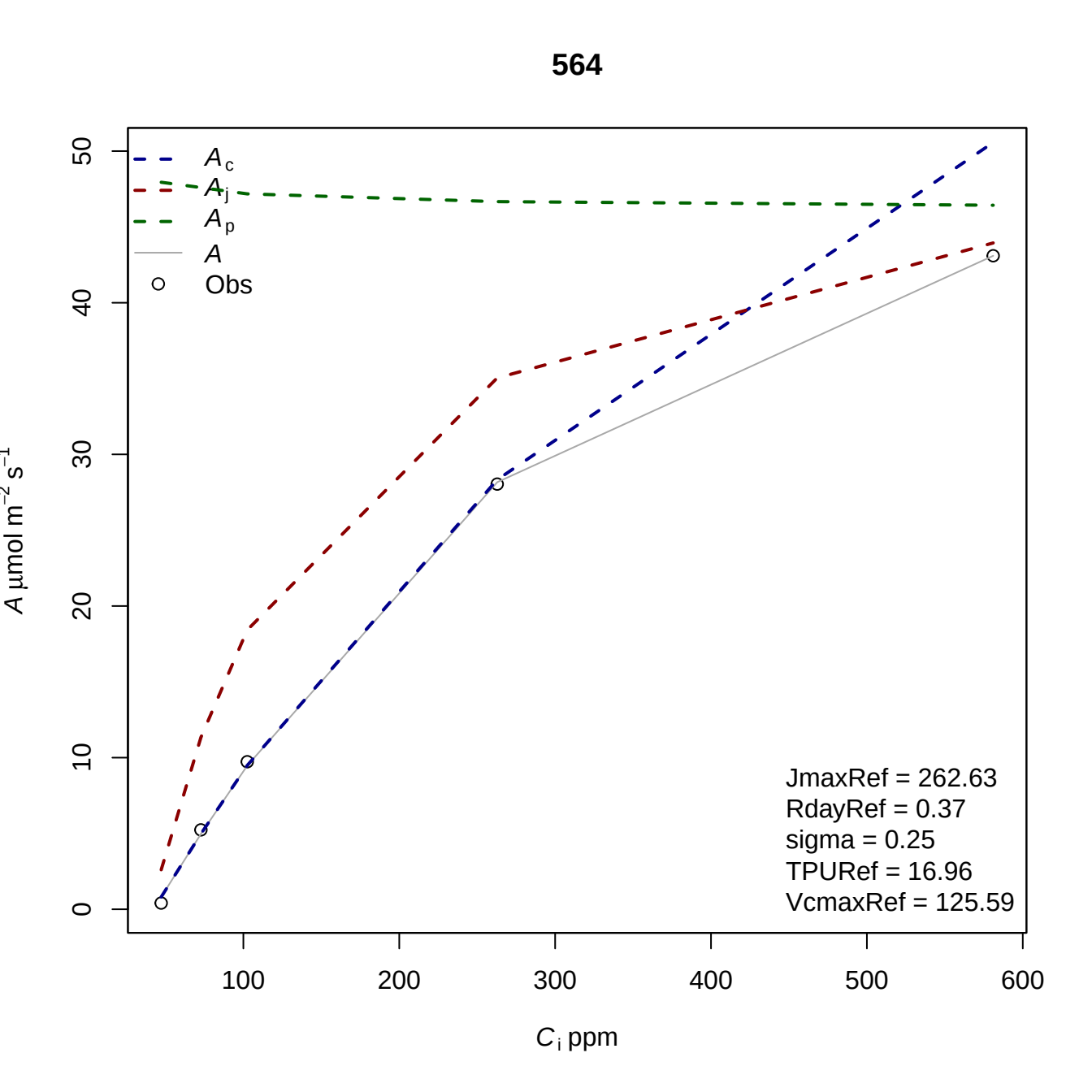

559
A_c
A_j
A_p
A
Obs
JmaxRef = 209.36
RdayRef = 0.52
sigma = 0.1
TPURef = 13.1
VcmaxRef = 96.05
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

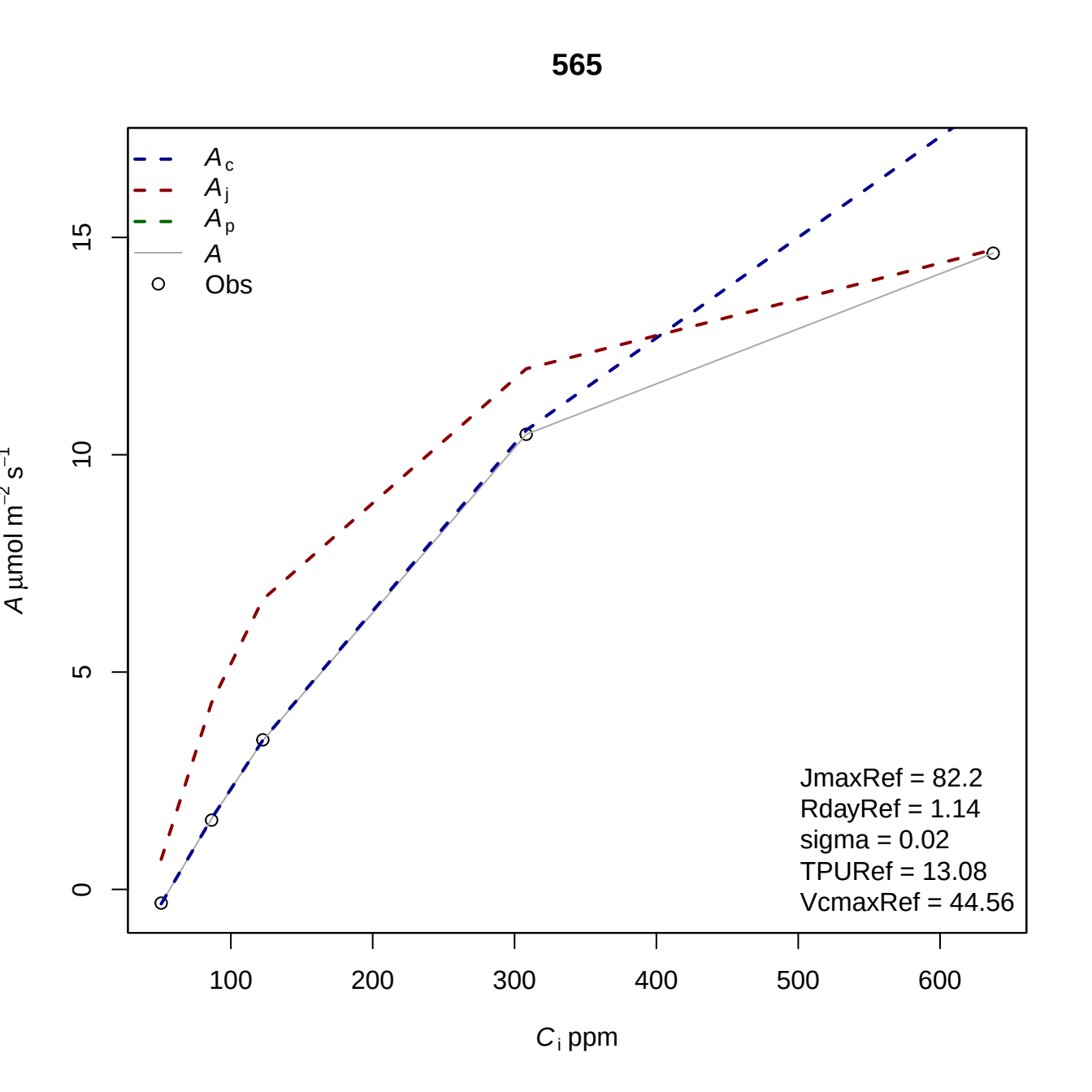

560
A_c
A_j
A_p
A
Obs
JmaxRef = 154.51
RdayRef = 0.24
sigma = 0.12
TPURef = 10.2
VcmaxRef = 78.53
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
100
200
300
400
500
600

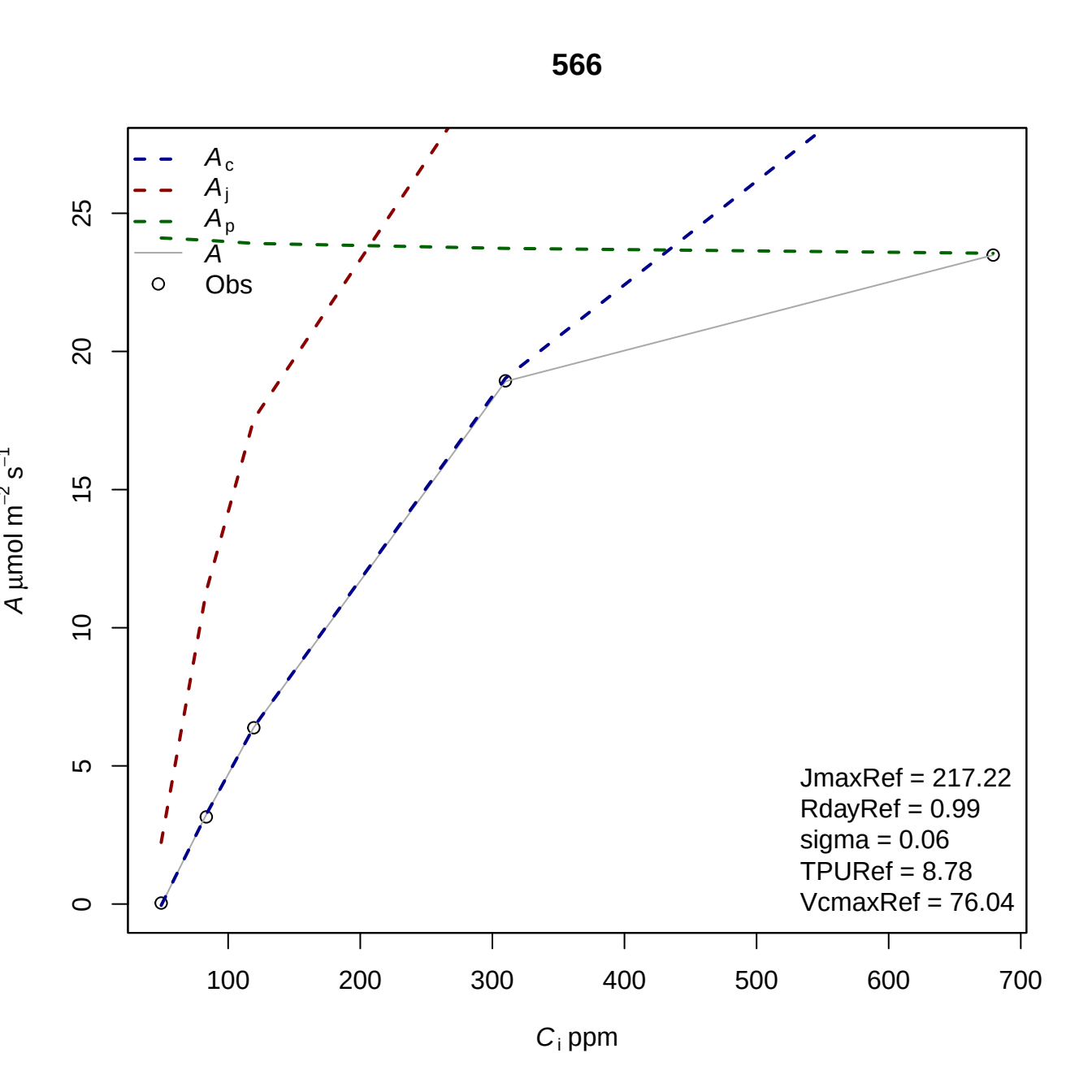

561
A_c
A_j
A_p
A
Obs
JmaxRef = 188.69
RdayRef = 0.62
sigma = 0.15
TPURef = 12.6
VcmaxRef = 102.73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

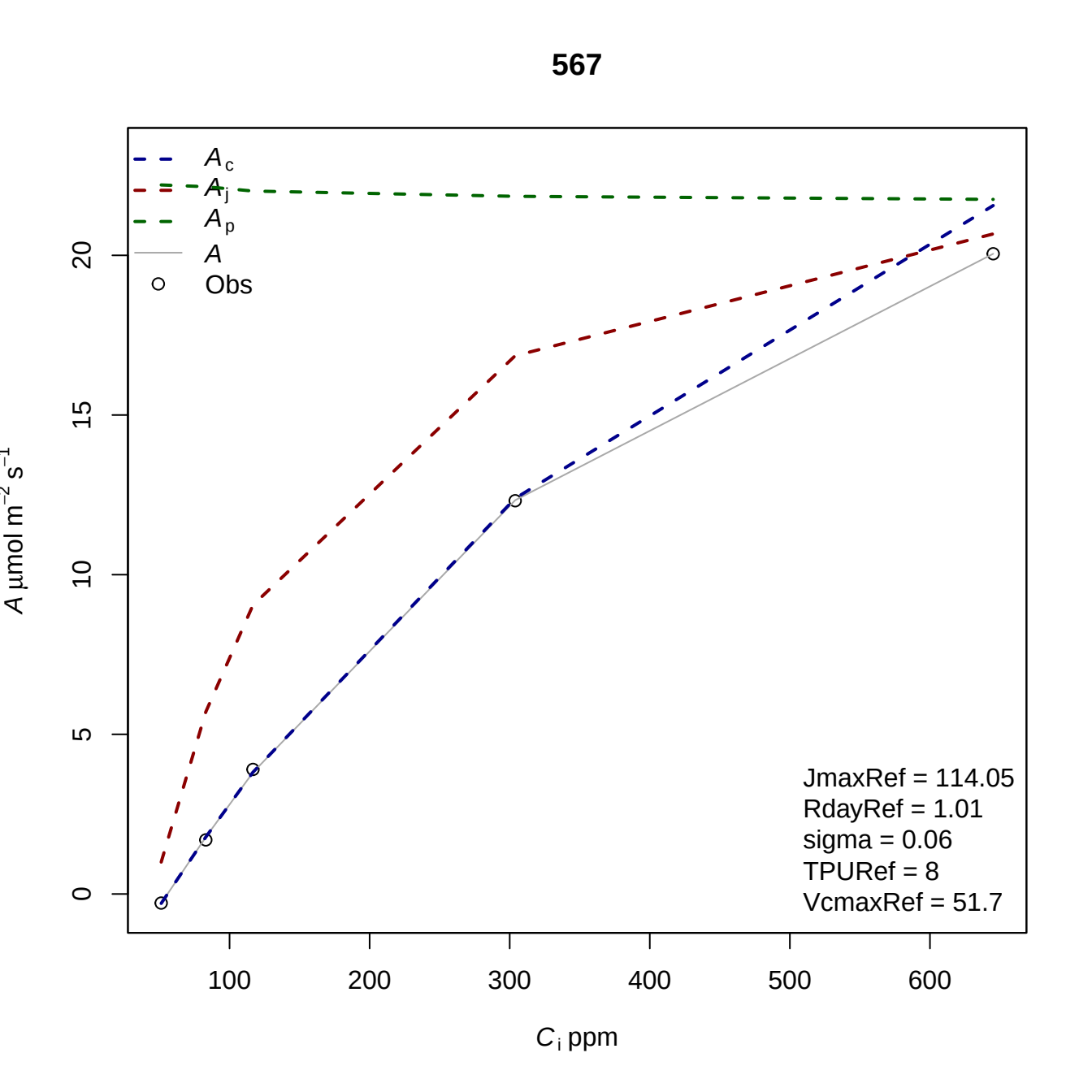

562
A_c
A_j
A_p
A
Obs
JmaxRef = 176.74
RdayRef = 0.76
sigma = 0.19
TPURef = 1262.97
VcmaxRef = 81.28
0
10
20
30
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

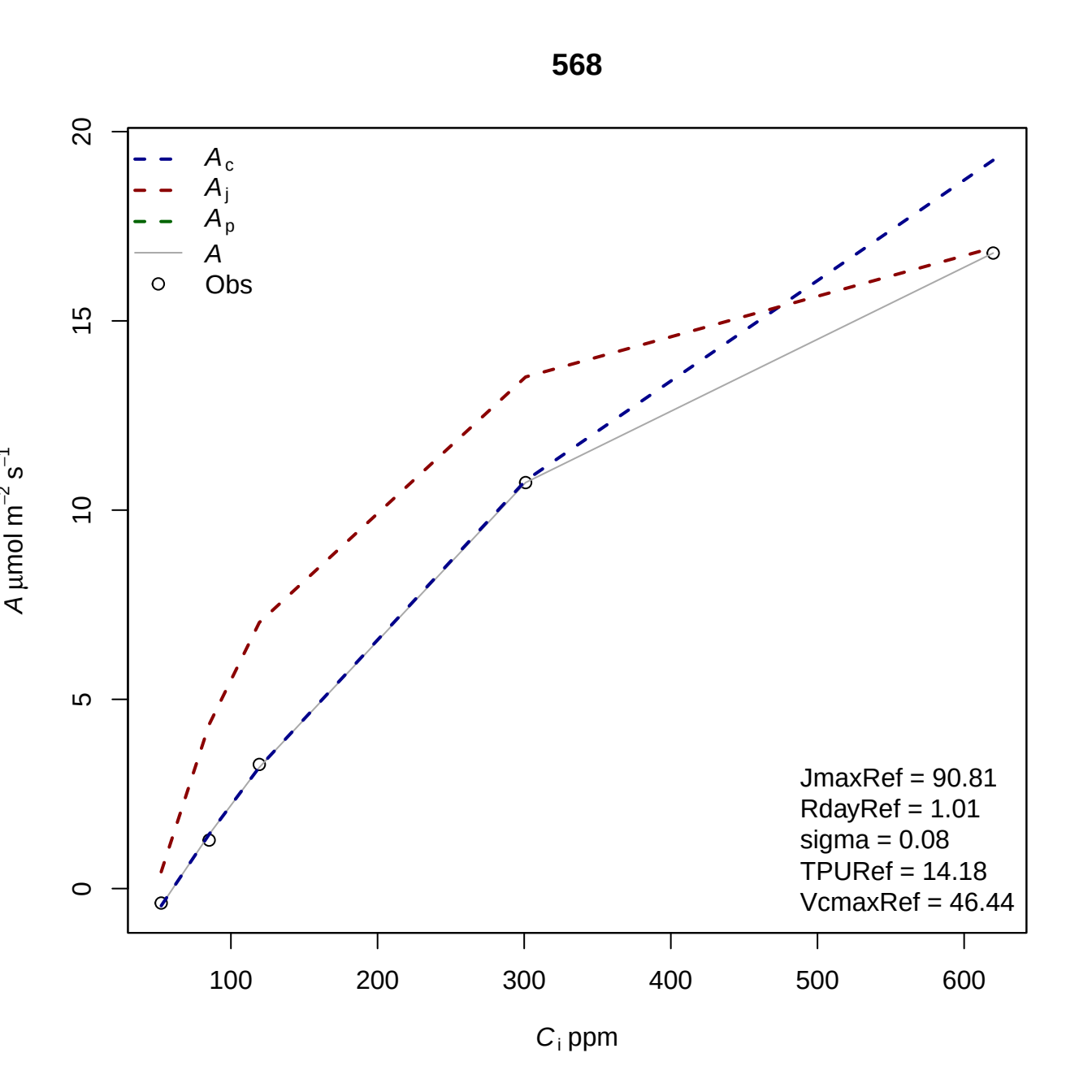

563
A_c
A_j
A_p
A
Obs
JmaxRef = 257.76
RdayRef = 1.61
sigma = 0.11
TPURef = 43.78
VcmaxRef = 107.87
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

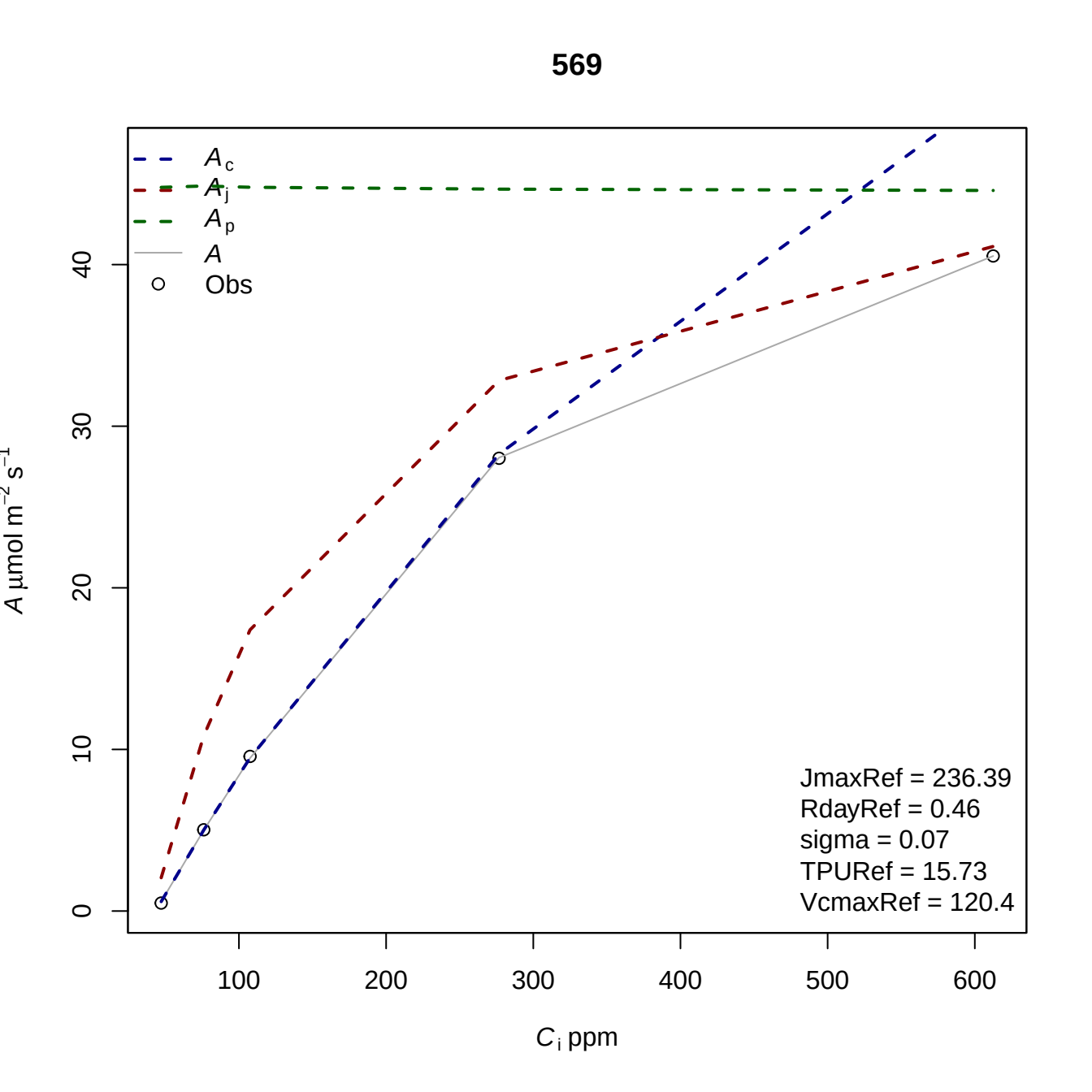

564
A_c
A_j
A_p
A
Obs
JmaxRef = 262.63
RdayRef = 0.37
sigma = 0.25
TPURef = 16.96
VcmaxRef = 125.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

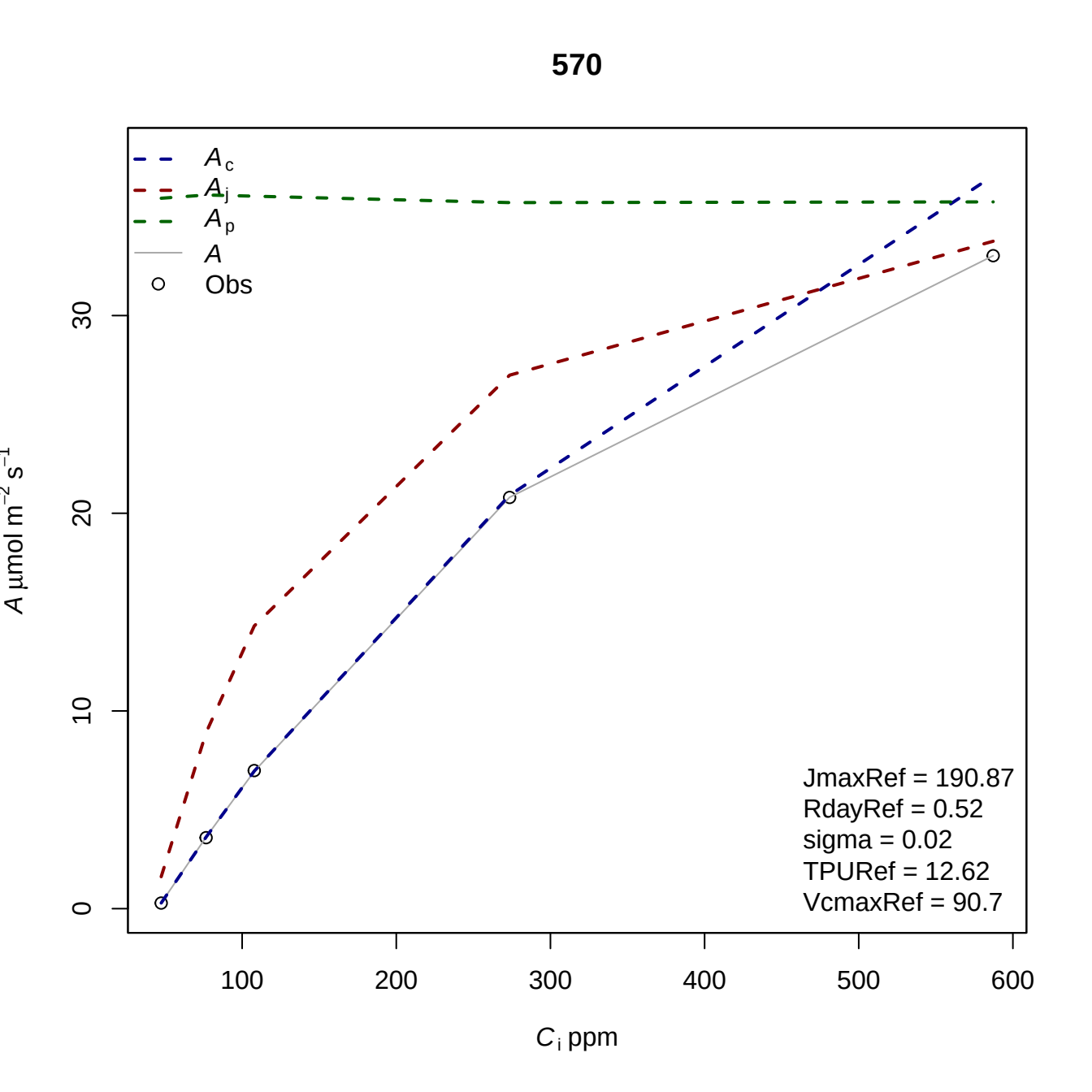

565
A_c
A_j
A_p
A
Obs
JmaxRef = 82.2
RdayRef = 1.14
sigma = 0.02
TPURef = 13.08
VcmaxRef = 44.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

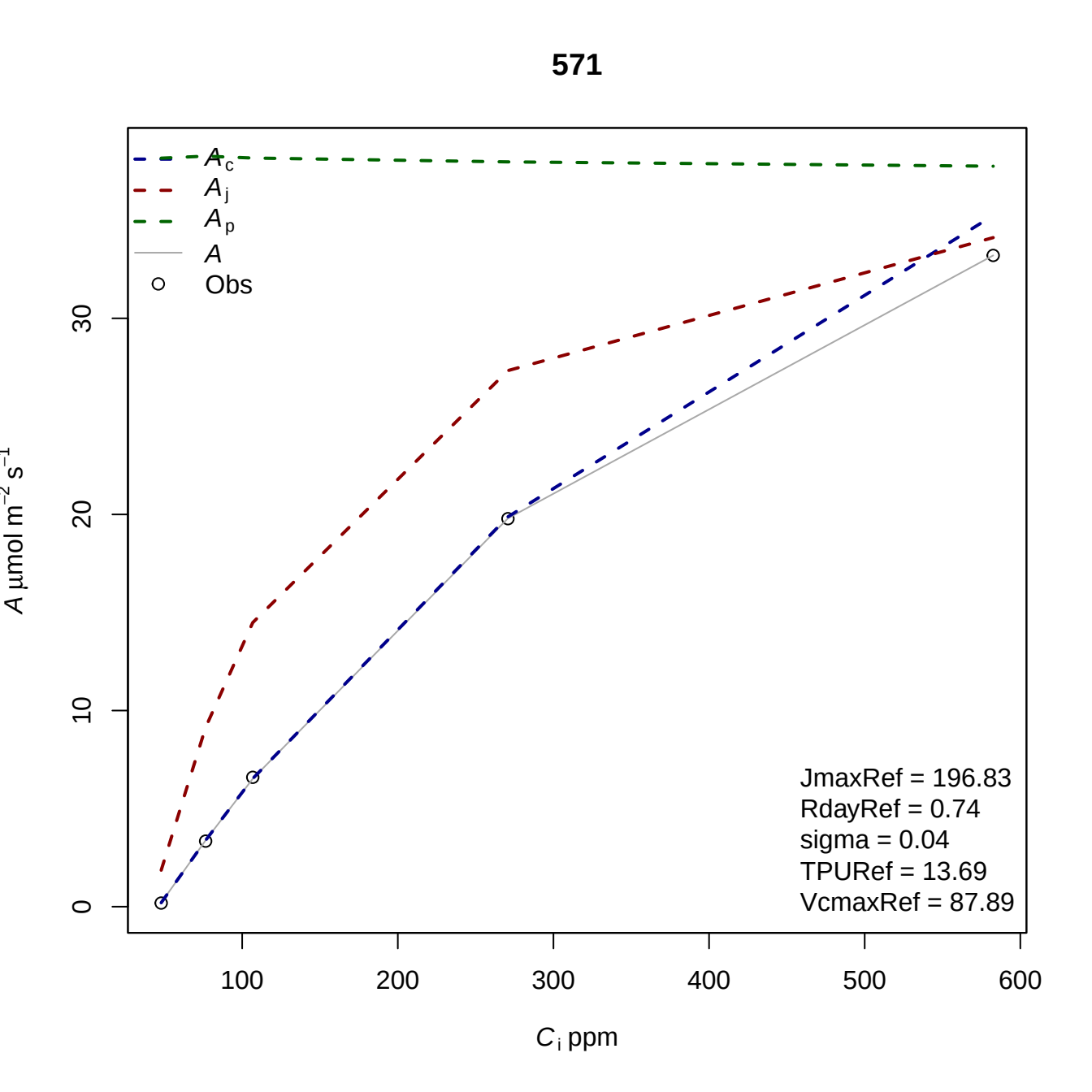

566
A_c
A_j
A_p
A
Obs
JmaxRef = 217.22
RdayRef = 0.99
sigma = 0.06
TPURef = 8.78
VcmaxRef = 76.04
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600
700

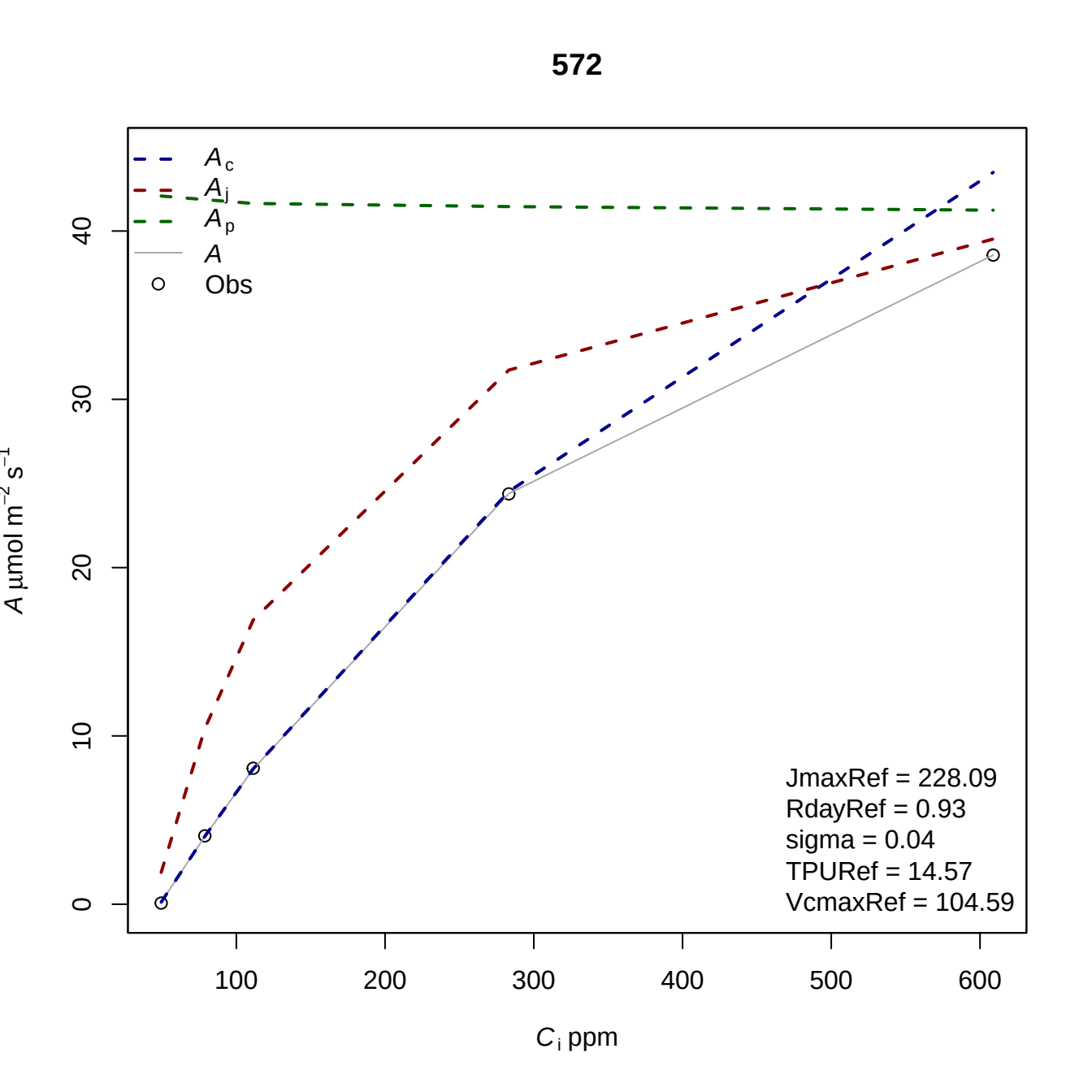

567
A_c
A_j
A_p
A
Obs
JmaxRef = 114.05
RdayRef = 1.01
sigma = 0.06
TPURef = 8
VcmaxRef = 51.7
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

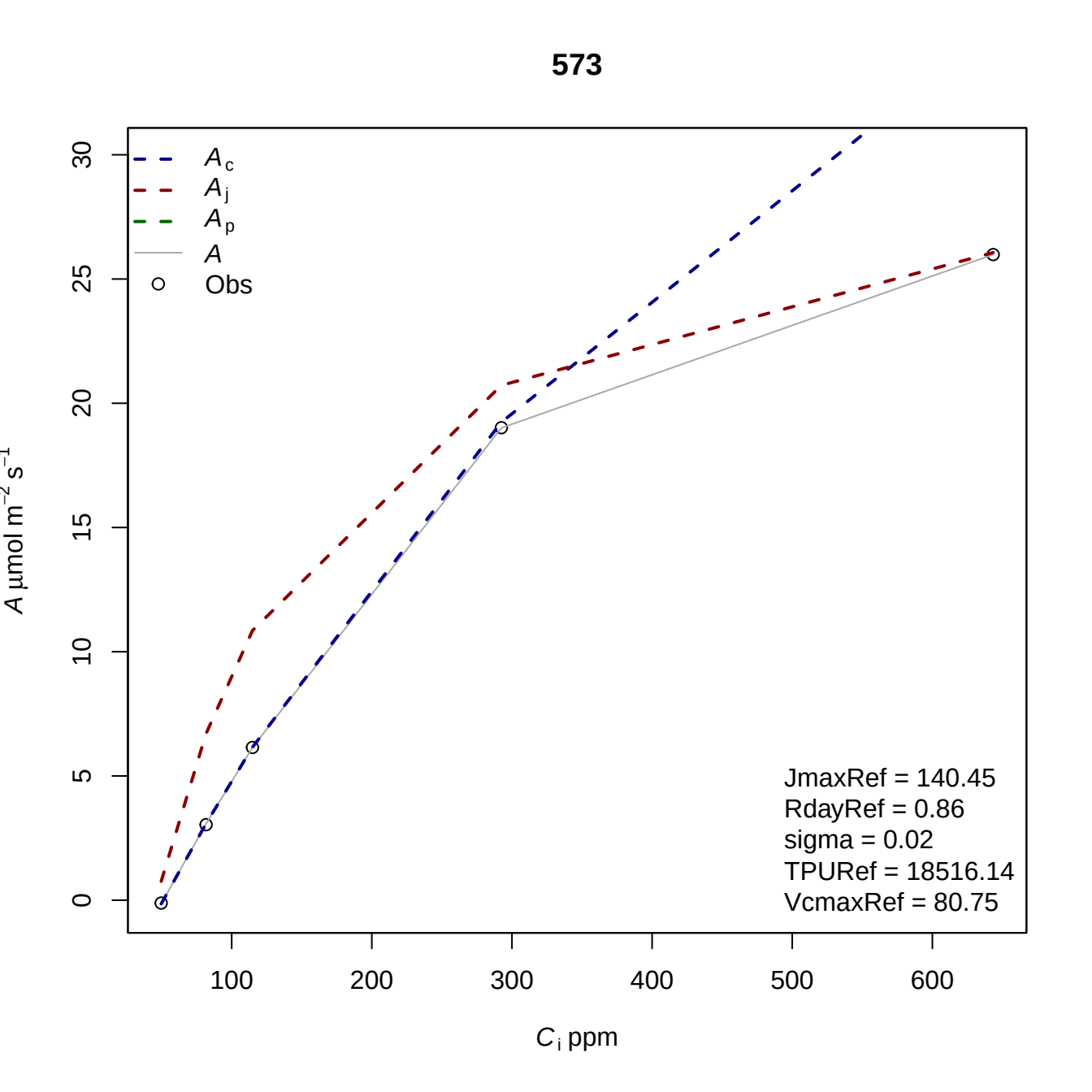

568
A_c
A_j
A_p
A
Obs
JmaxRef = 90.81
RdayRef = 1.01
sigma = 0.08
TPURef = 14.18
VcmaxRef = 46.44
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

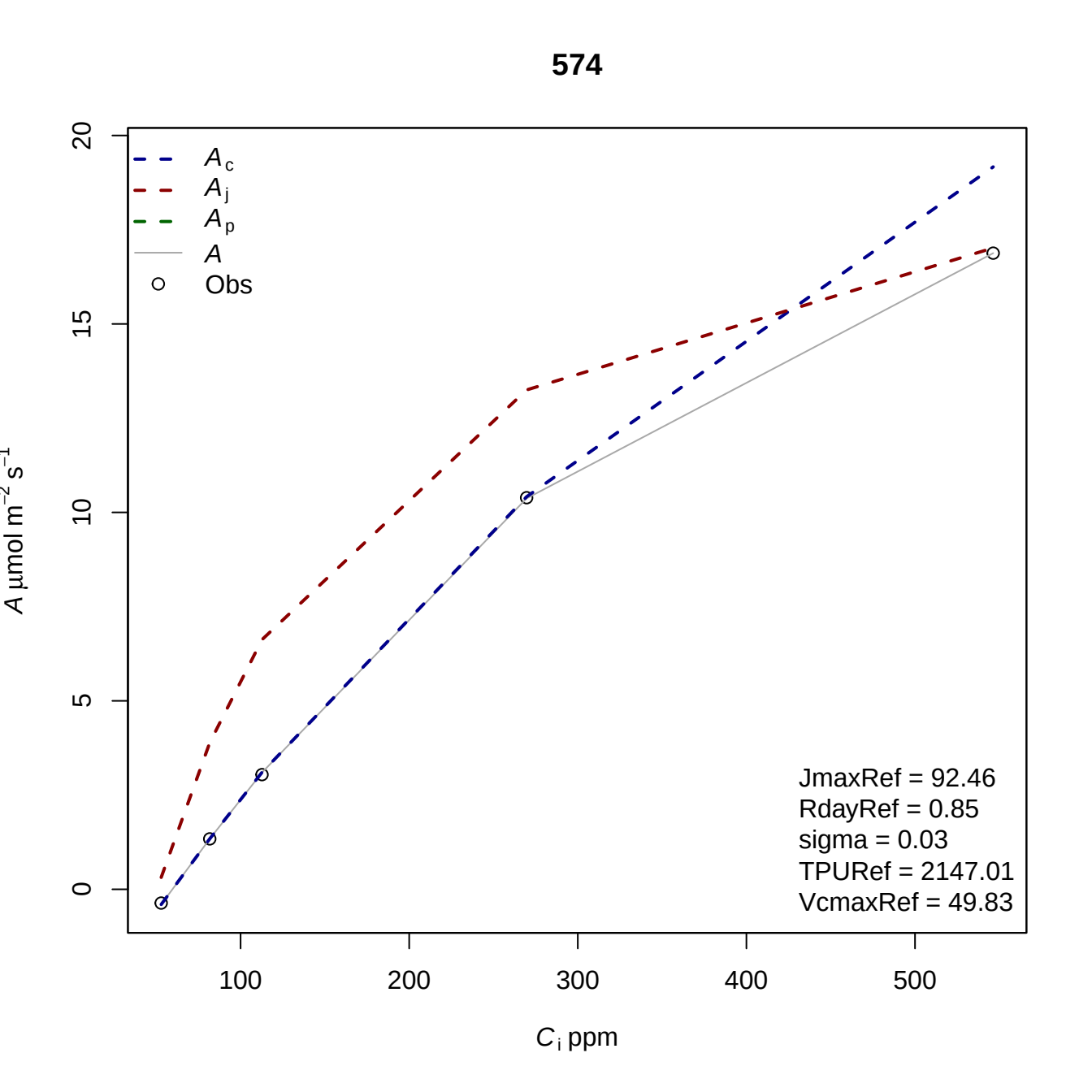

569
A_c
A_j
A_p
A
Obs
JmaxRef = 236.39
RdayRef = 0.46
sigma = 0.07
TPURef = 15.73
VcmaxRef = 120.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

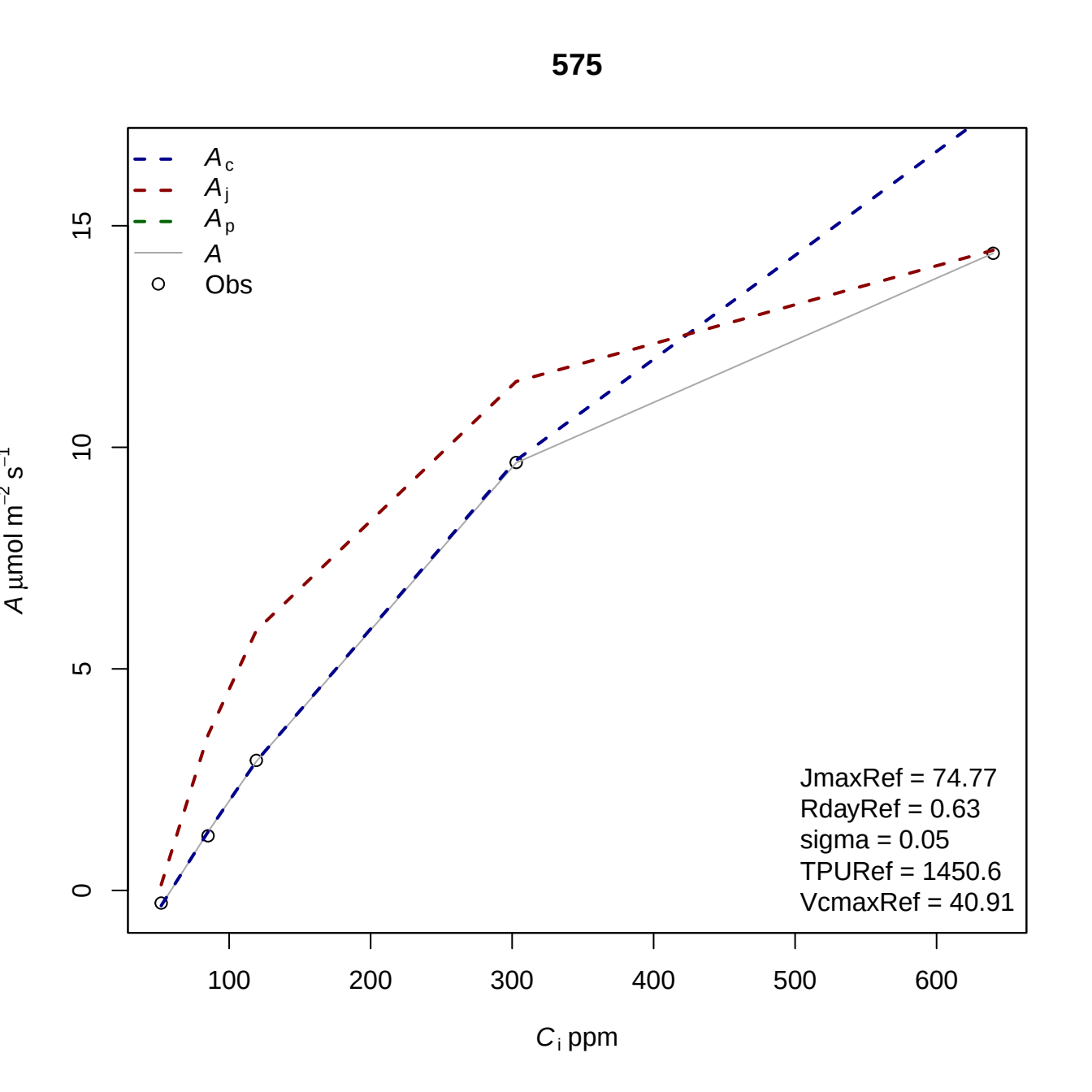

570
A_c
A_j
A_p
A
Obs
JmaxRef = 190.87
RdayRef = 0.52
sigma = 0.02
TPURef = 12.62
VcmaxRef = 90.7
A µmol m^{-2} s^{-1}
0
10
20
30
100
200
300
400
500
600
C_i ppm

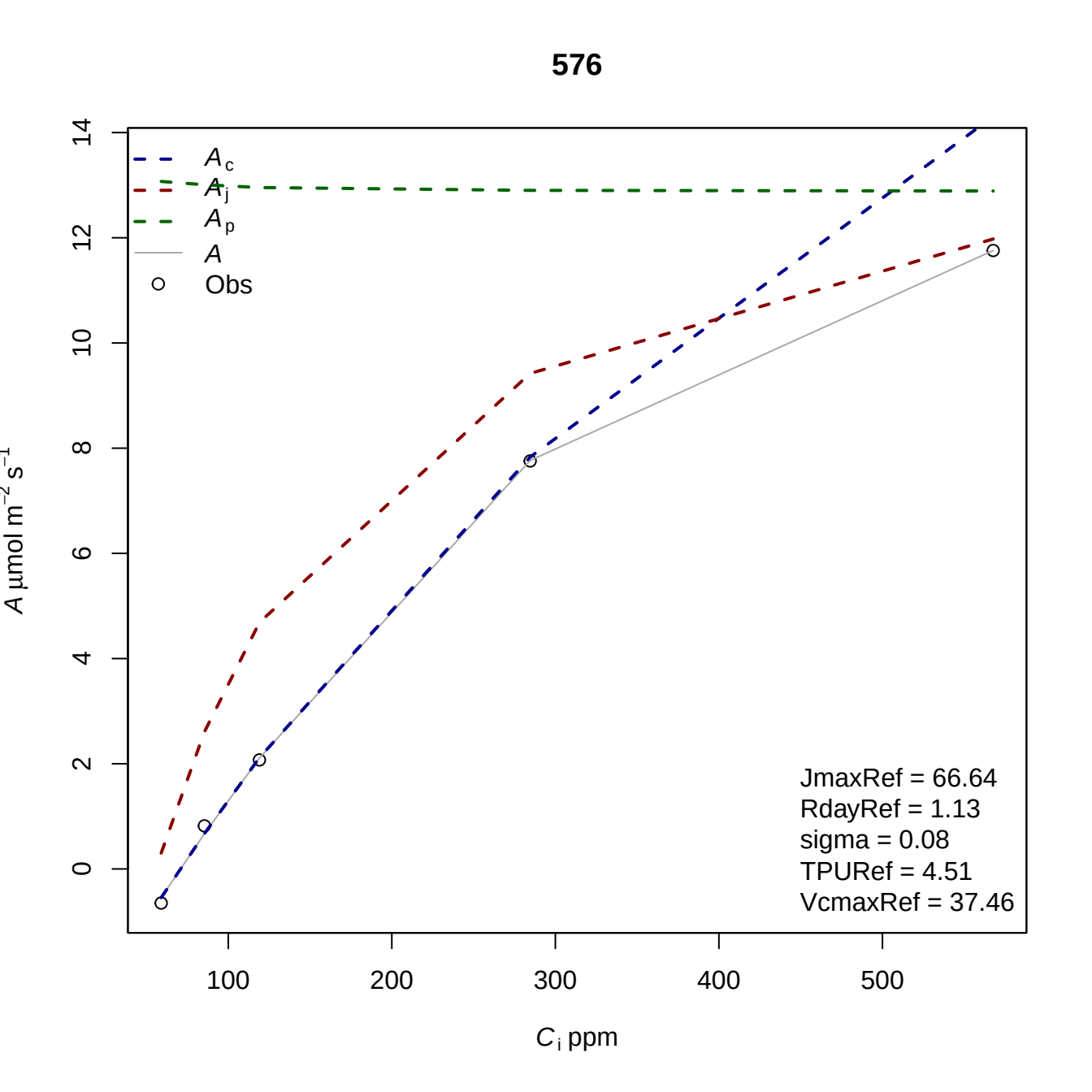

571
A_c
A_j
A_p
A
Obs
JmaxRef = 196.83
RdayRef = 0.74
sigma = 0.04
TPURef = 13.69
VcmaxRef = 87.89
A µmol m^{-2} s^{-1}
0
10
20
30
100
200
300
400
500
600
C_i ppm

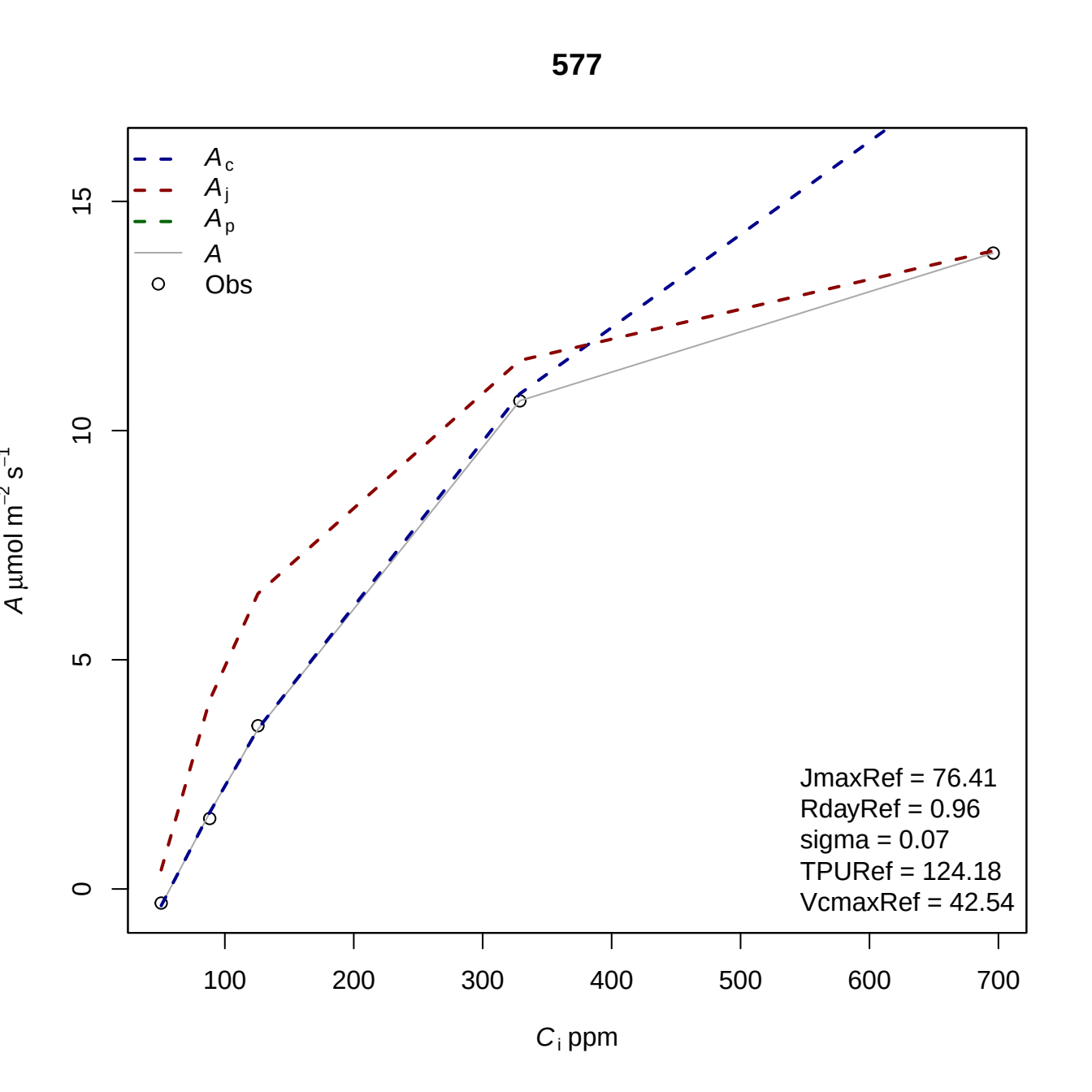

572
A_c
A_j
A_p
A
Obs
JmaxRef = 228.09
RdayRef = 0.93
sigma = 0.04
TPURef = 14.57
VcmaxRef = 104.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

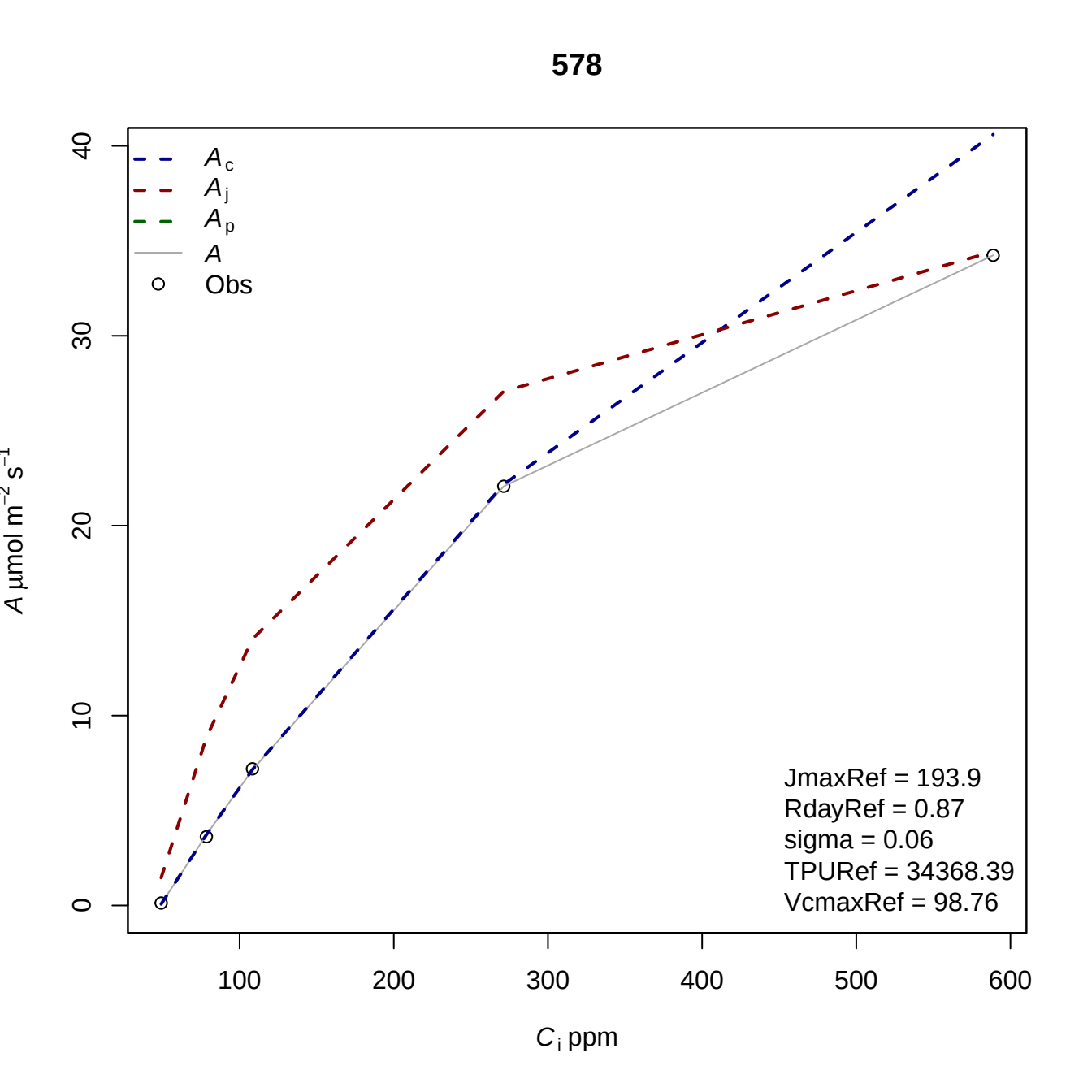

573
A_c
A_j
A_p
A
Obs
JmaxRef = 140.45
RdayRef = 0.86
sigma = 0.02
TPURef = 18516.14
VcmaxRef = 80.75
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
100
200
300
400
500
600

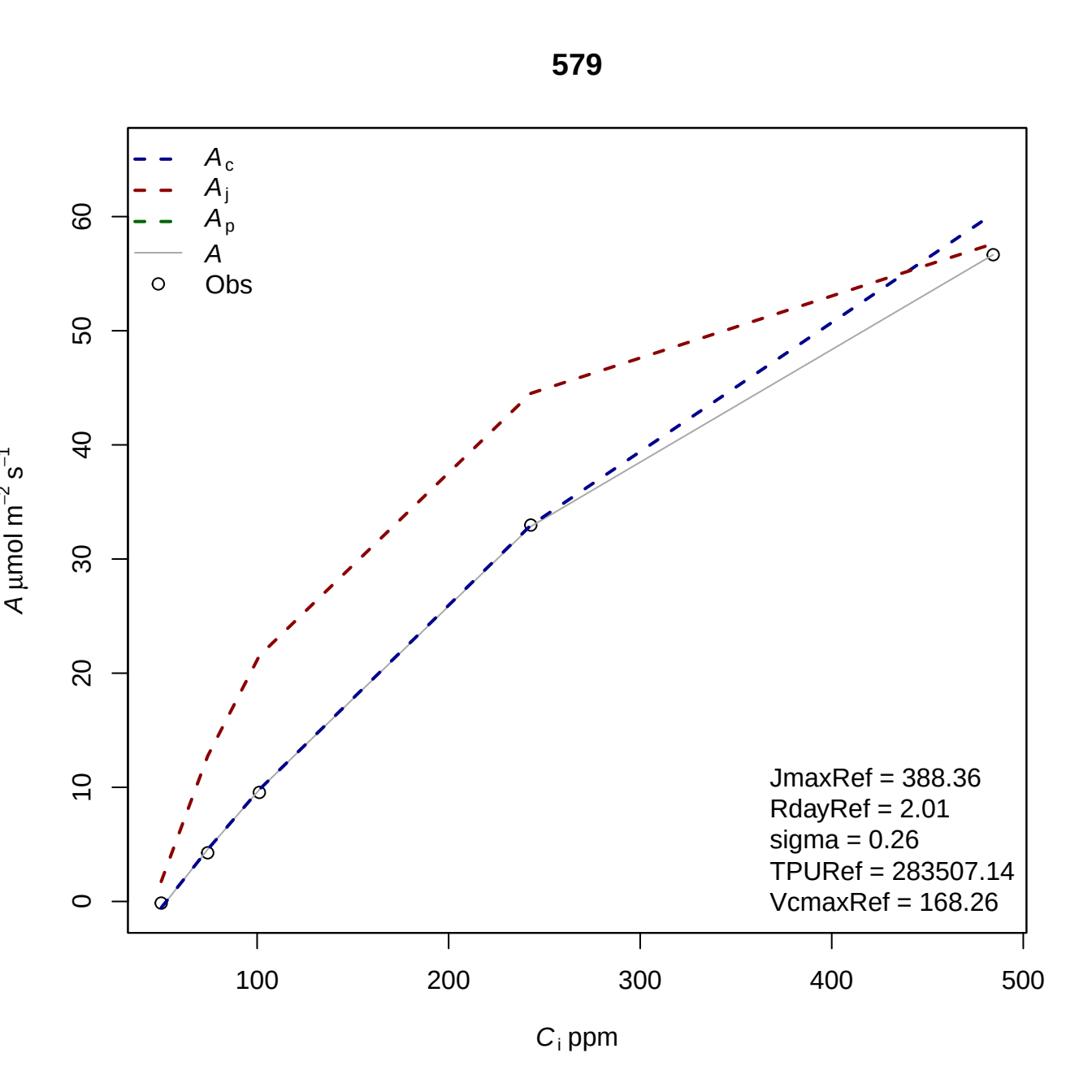

574
A_c
A_j
A_p
A
Obs
JmaxRef = 92.46
RdayRef = 0.85
sigma = 0.03
TPURef = 2147.01
VcmaxRef = 49.83
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500

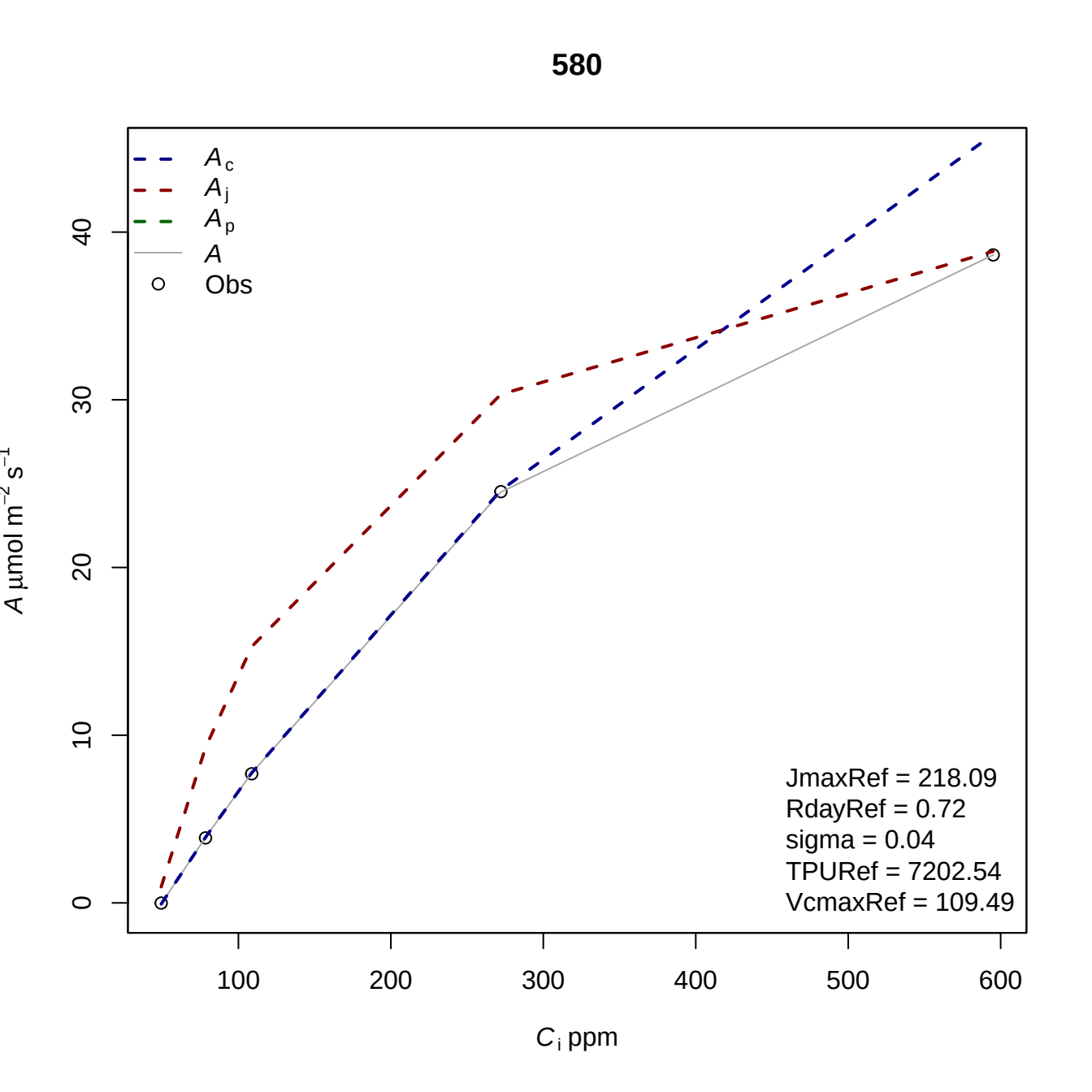

575
A_c
A_j
A_p
A
Obs
JmaxRef = 74.77
RdayRef = 0.63
sigma = 0.05
TPURef = 1450.6
VcmaxRef = 40.91
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

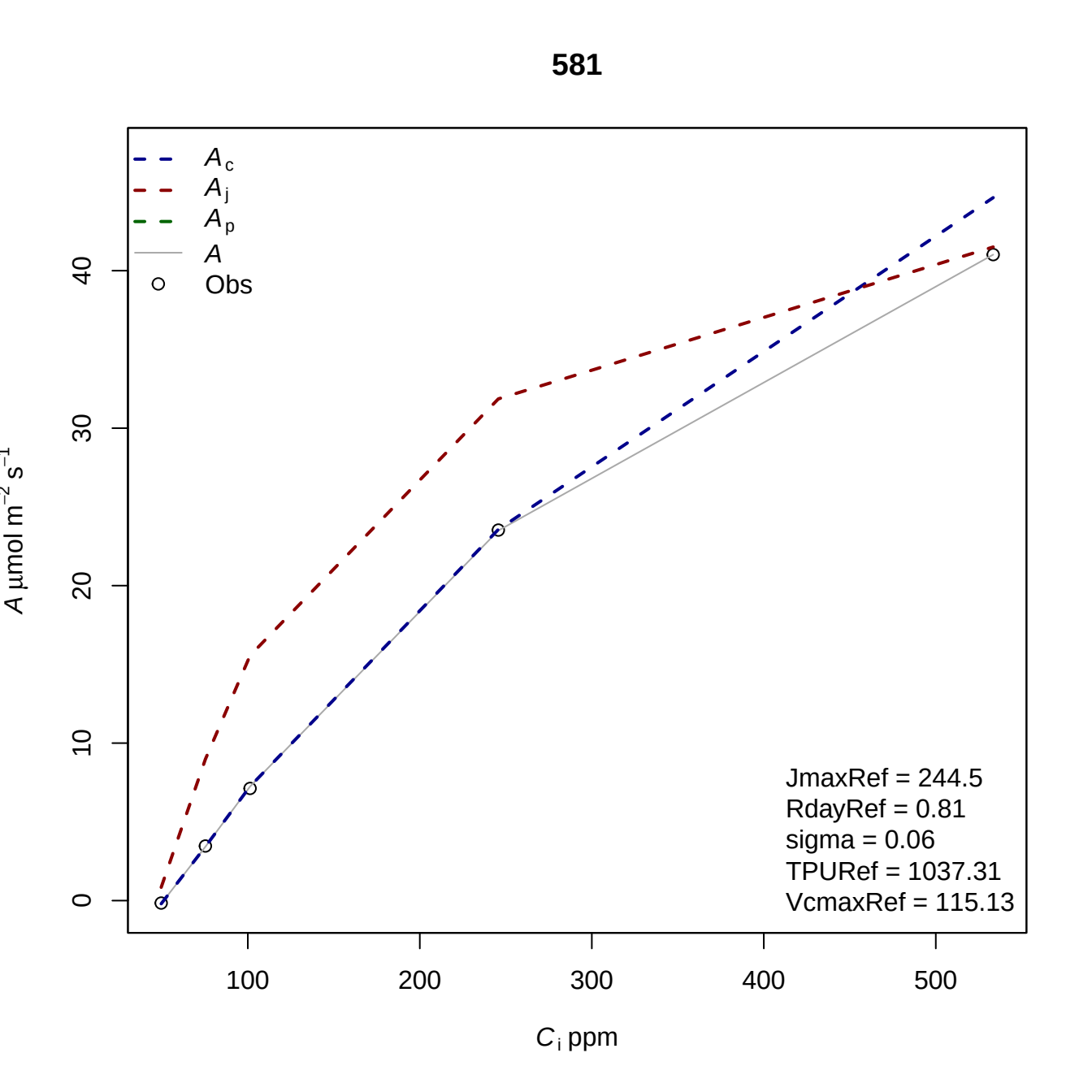

576
A_c
A_j
A_p
A
Obs
JmaxRef = 66.64
RdayRef = 1.13
sigma = 0.08
TPURef = 4.51
VcmaxRef = 37.46
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
14
100
200
300
400
500

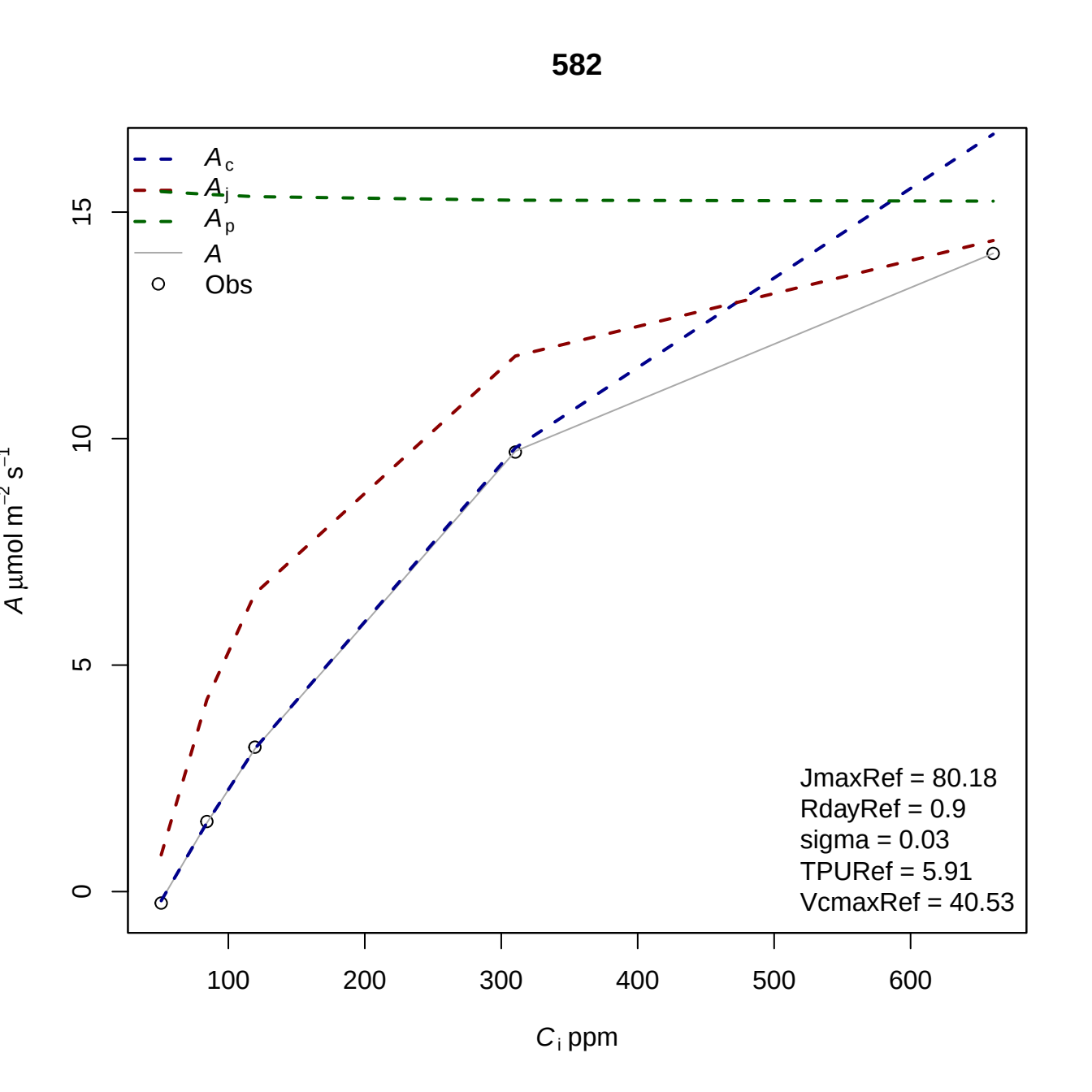

577
A_c
A_j
A_p
A
Obs
JmaxRef = 76.41
RdayRef = 0.96
sigma = 0.07
TPURef = 124.18
VcmaxRef = 42.54
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600
700

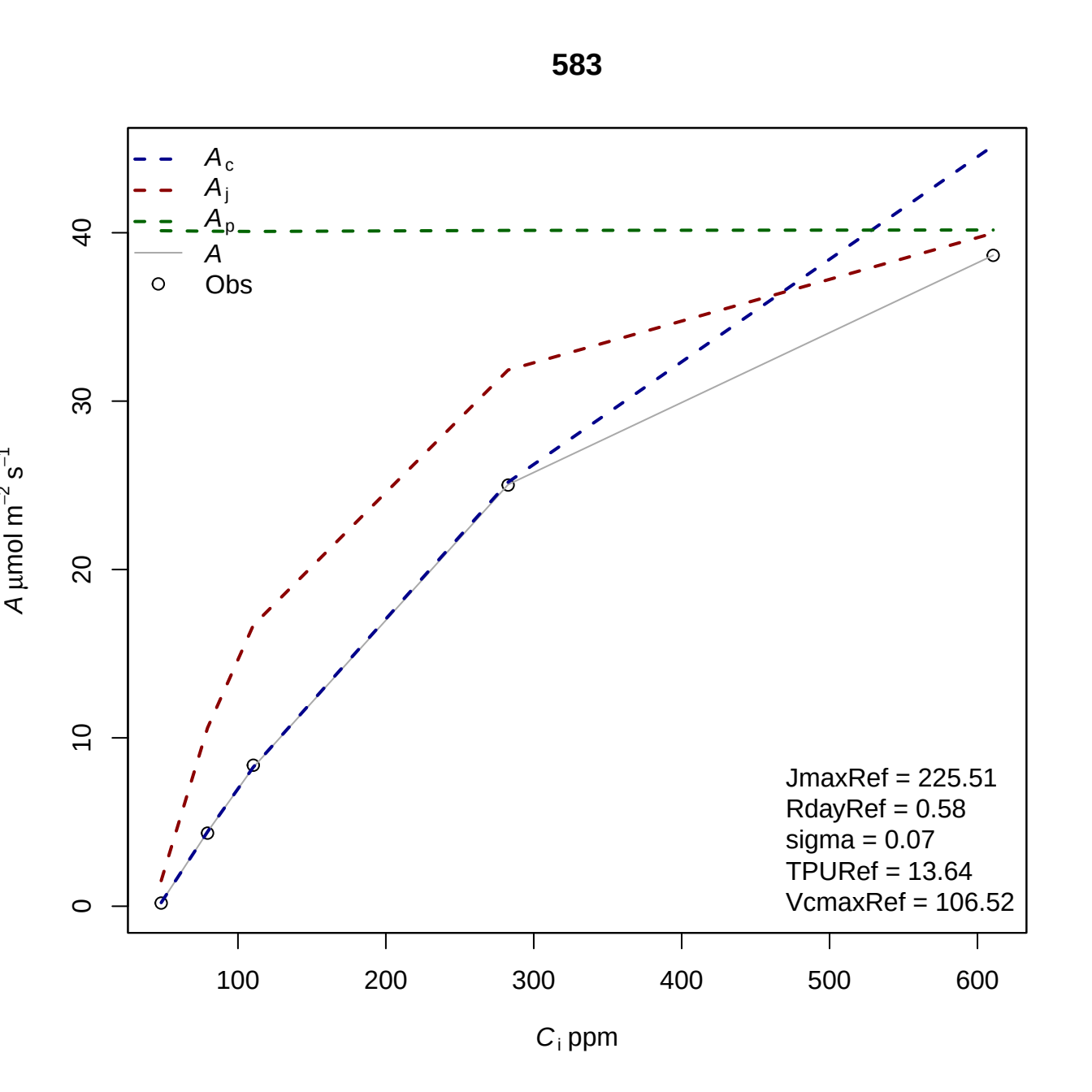

578
A_c
A_j
A_p
A
Obs
JmaxRef = 193.9
RdayRef = 0.87
sigma = 0.06
TPURef = 34368.39
VcmaxRef = 98.76
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

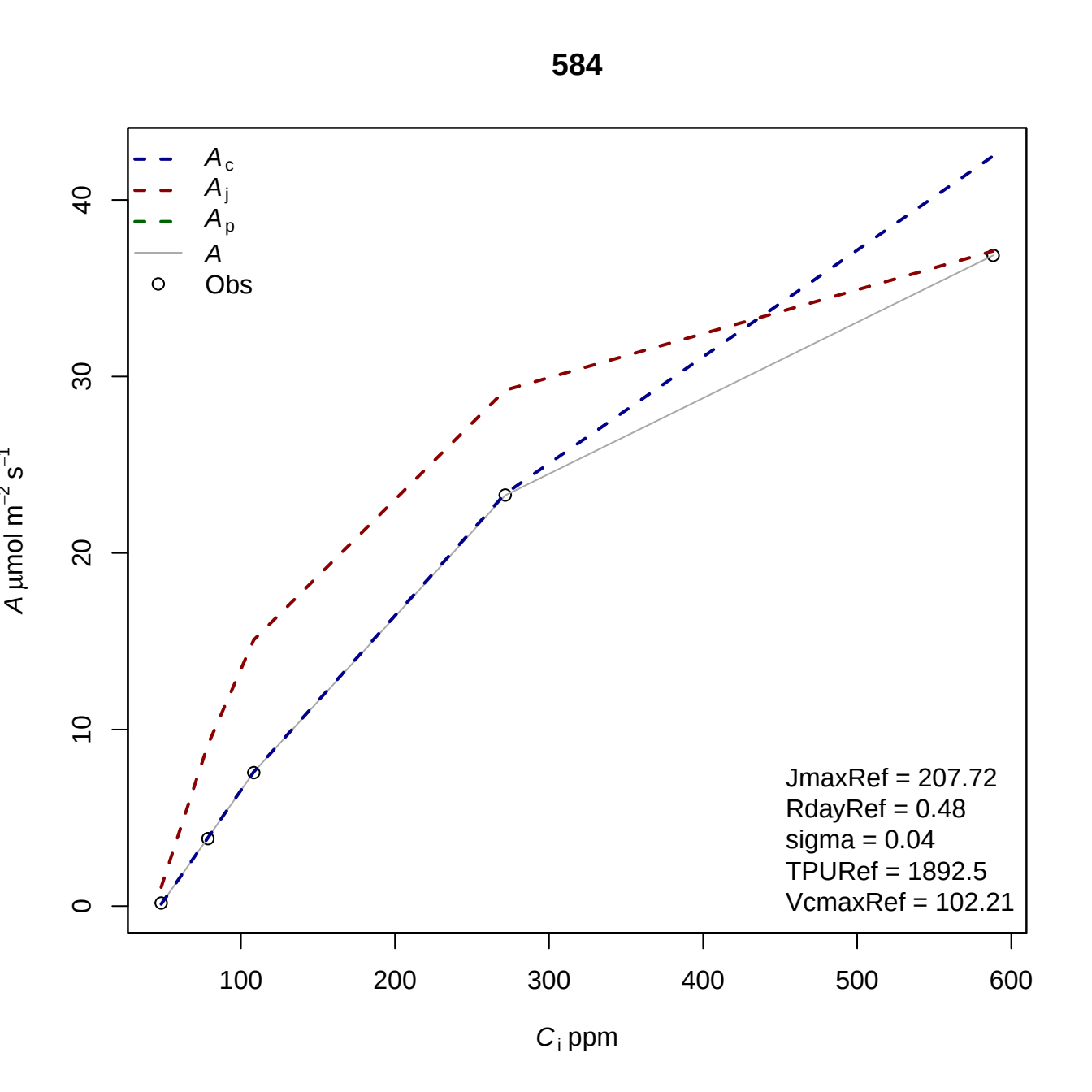

579
A_c
A_j
A_p
A
Obs
JmaxRef = 388.36
RdayRef = 2.01
sigma = 0.26
TPURef = 283507.14
VcmaxRef = 168.26
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
100
200
300
400
500

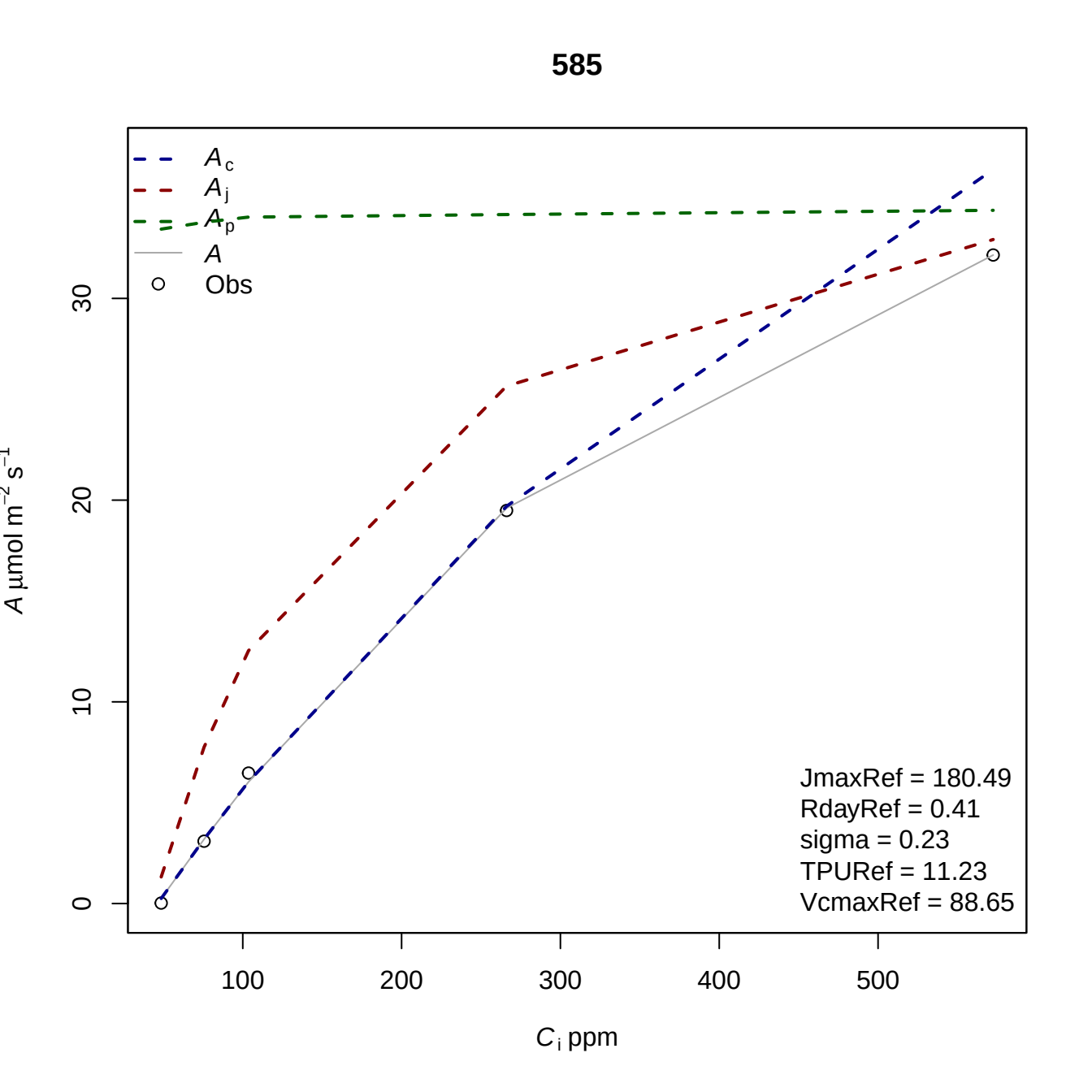

580
A_c
A_j
A_p
A
Obs
JmaxRef = 218.09
RdayRef = 0.72
sigma = 0.04
TPURef = 7202.54
VcmaxRef = 109.49
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

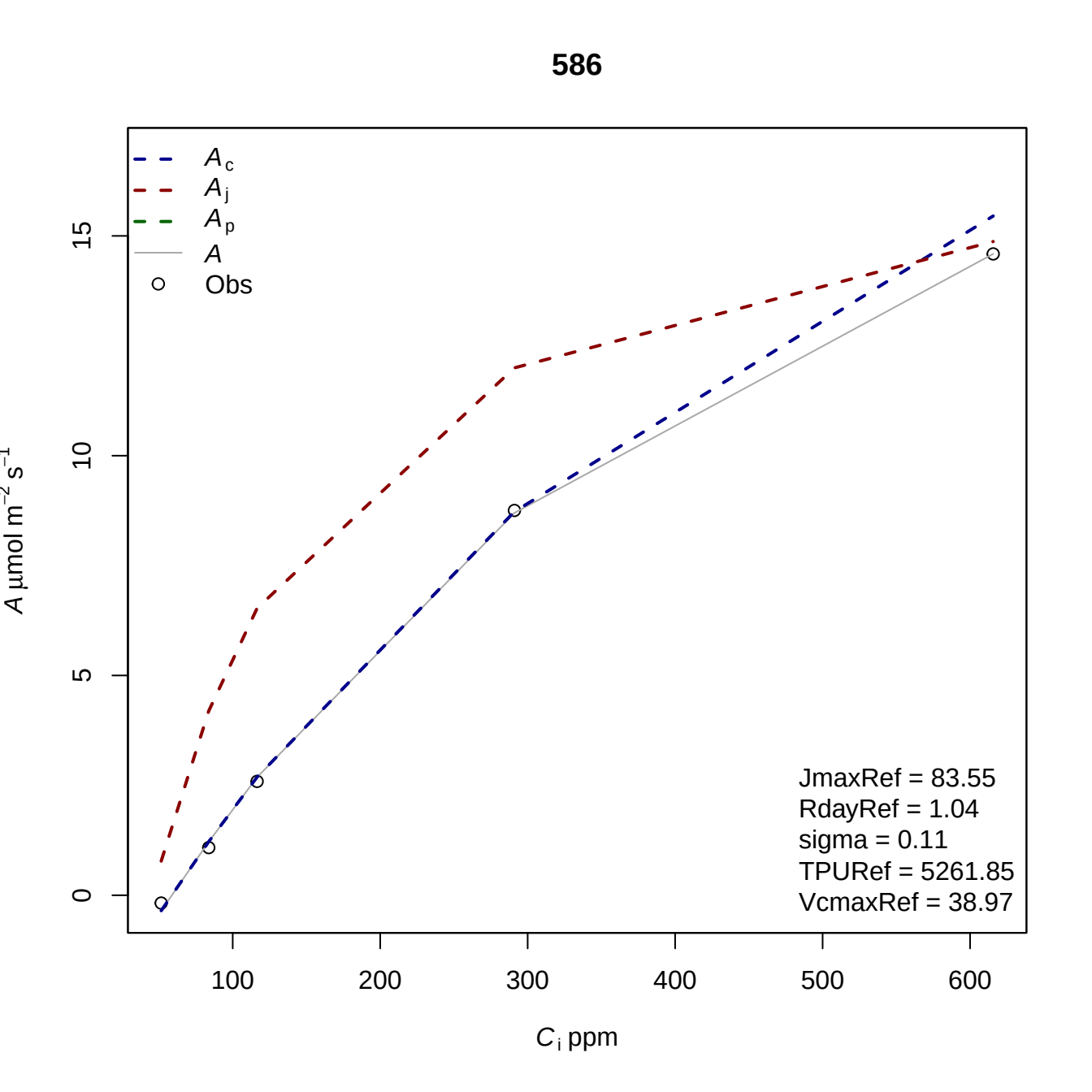

581
A_c
A_j
A_p
A
Obs
JmaxRef = 244.5
RdayRef = 0.81
sigma = 0.06
TPURef = 1037.31
VcmaxRef = 115.13
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
C_i ppm

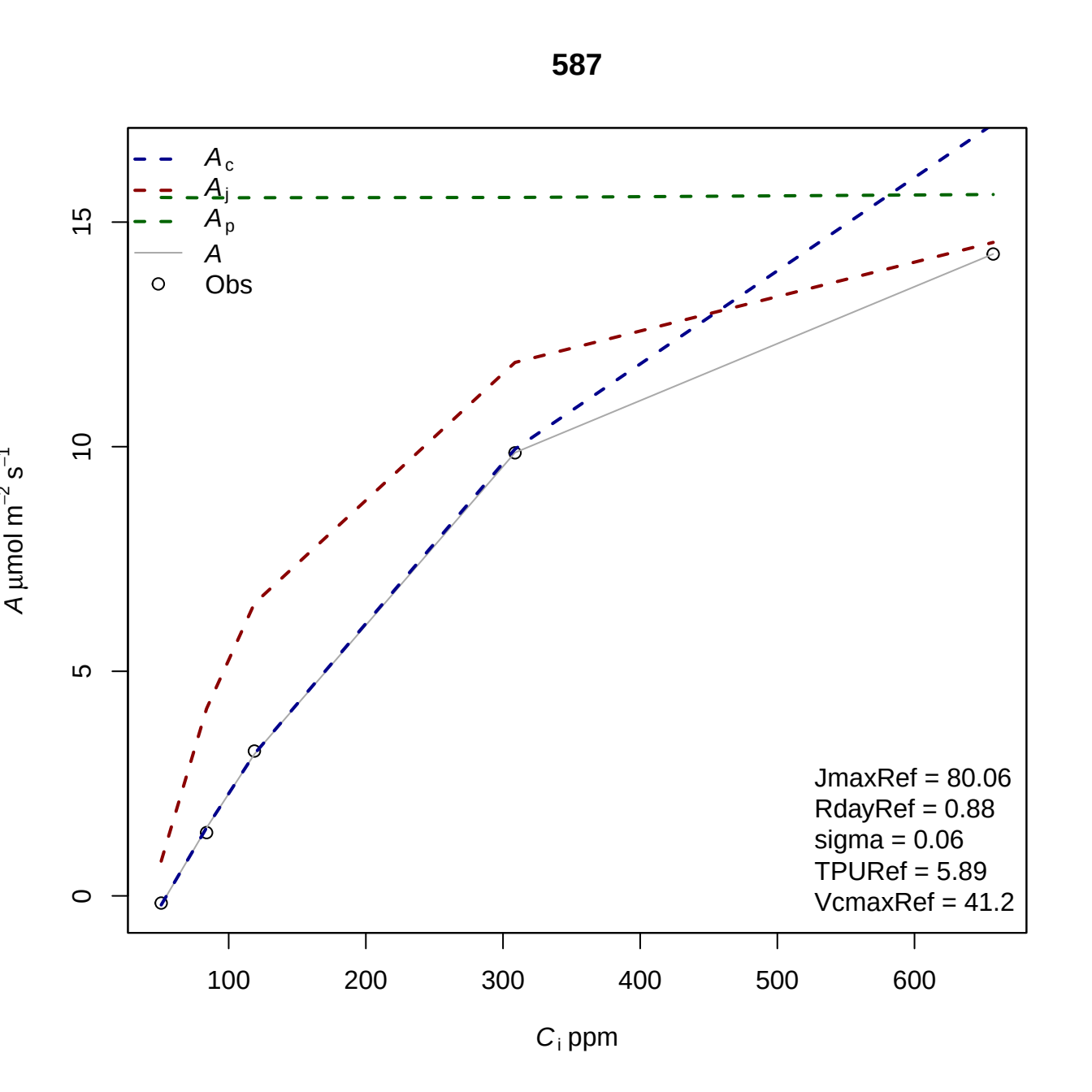

582
A_c
A_j
A_p
A
Obs
JmaxRef = 80.18
RdayRef = 0.9
sigma = 0.03
TPURef = 5.91
VcmaxRef = 40.53
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

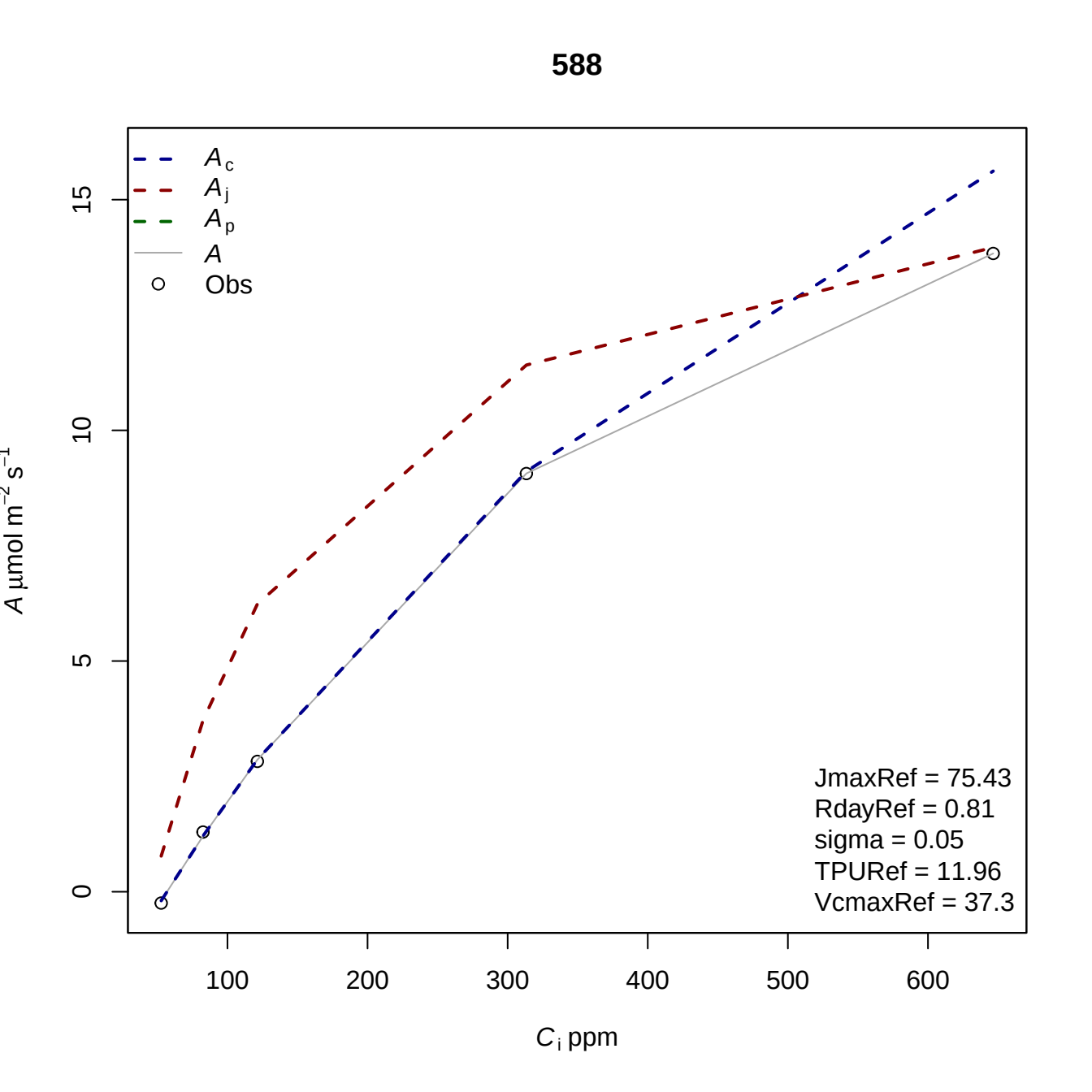

583
A_c
A_j
A_p
A
Obs
JmaxRef = 225.51
RdayRef = 0.58
sigma = 0.07
TPURef = 13.64
VcmaxRef = 106.52
0
10
20
30
40
100
200
300
400
500
600
A µmol m^{-2} s^{-1}
C_i ppm

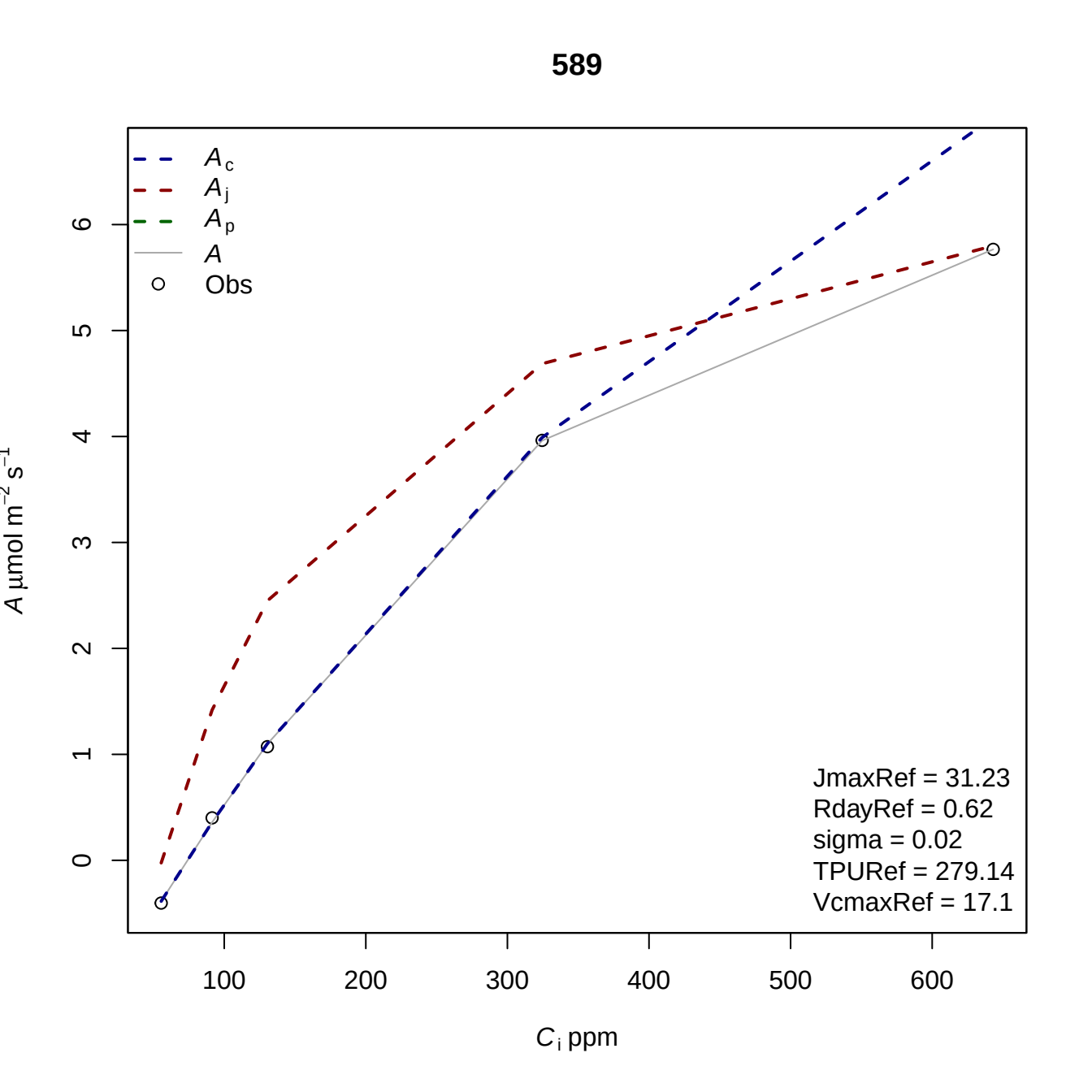

584
A_c
A_j
A_p
A
Obs
JmaxRef = 207.72
RdayRef = 0.48
sigma = 0.04
TPURef = 1892.5
VcmaxRef = 102.21
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

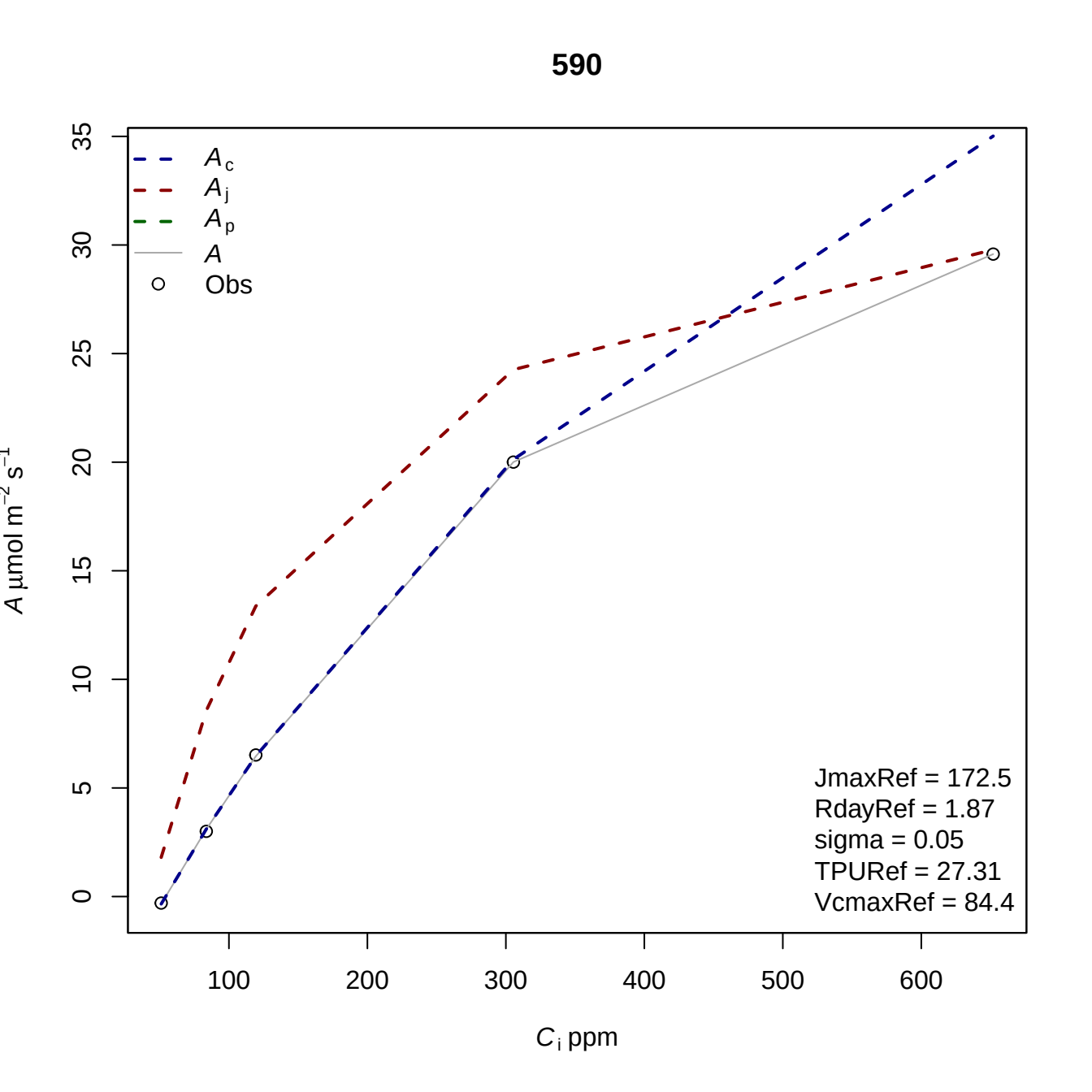

585
A_c
A_j
A_p
A
Obs
JmaxRef = 180.49
RdayRef = 0.41
sigma = 0.23
TPURef = 11.23
VcmaxRef = 88.65
A µmol m^{-2} s^{-1}
0
10
20
30
100
200
300
400
500
C_i ppm

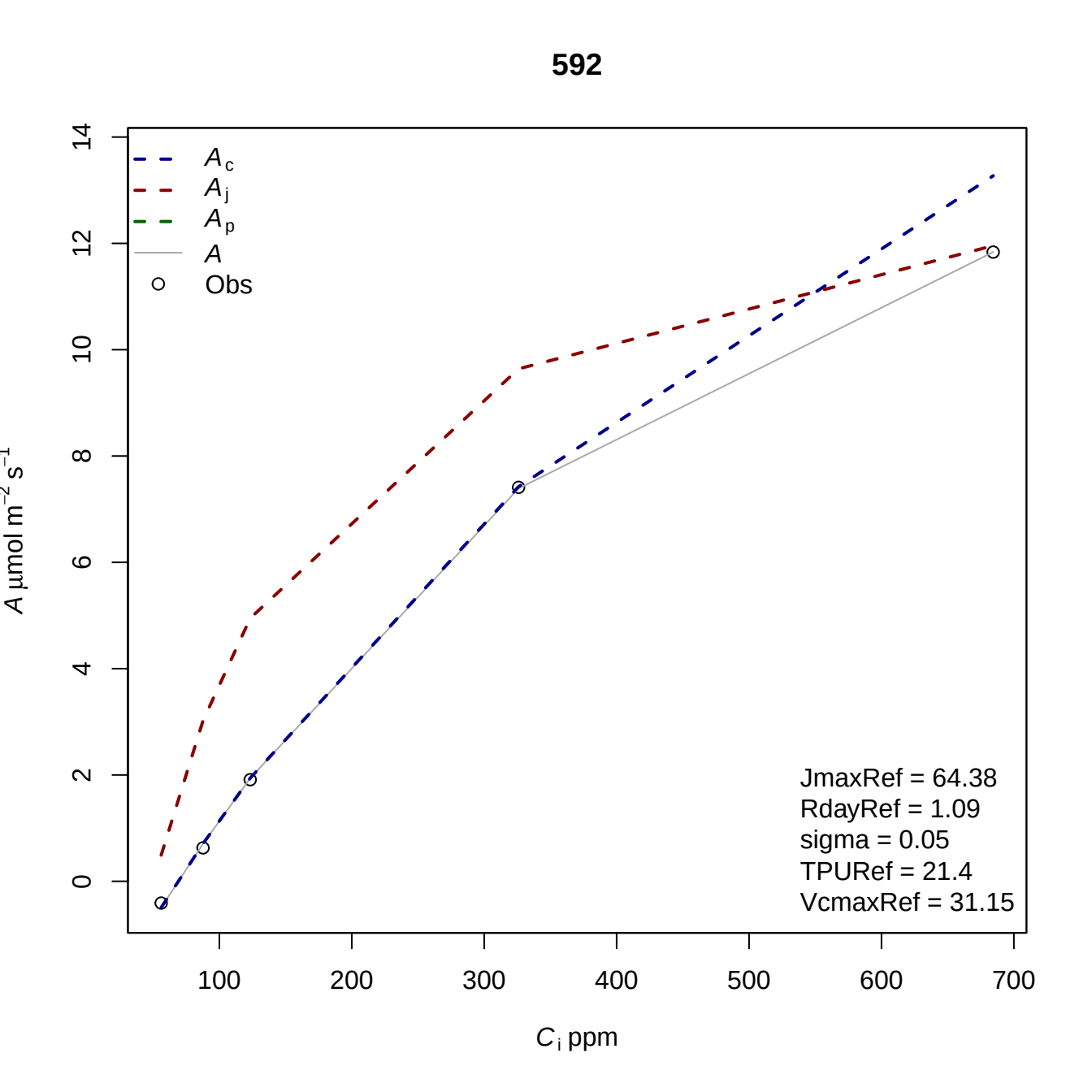

586
A_c
A_j
A_p
A
Obs
JmaxRef = 83.55
RdayRef = 1.04
sigma = 0.11
TPURef = 5261.85
VcmaxRef = 38.97
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

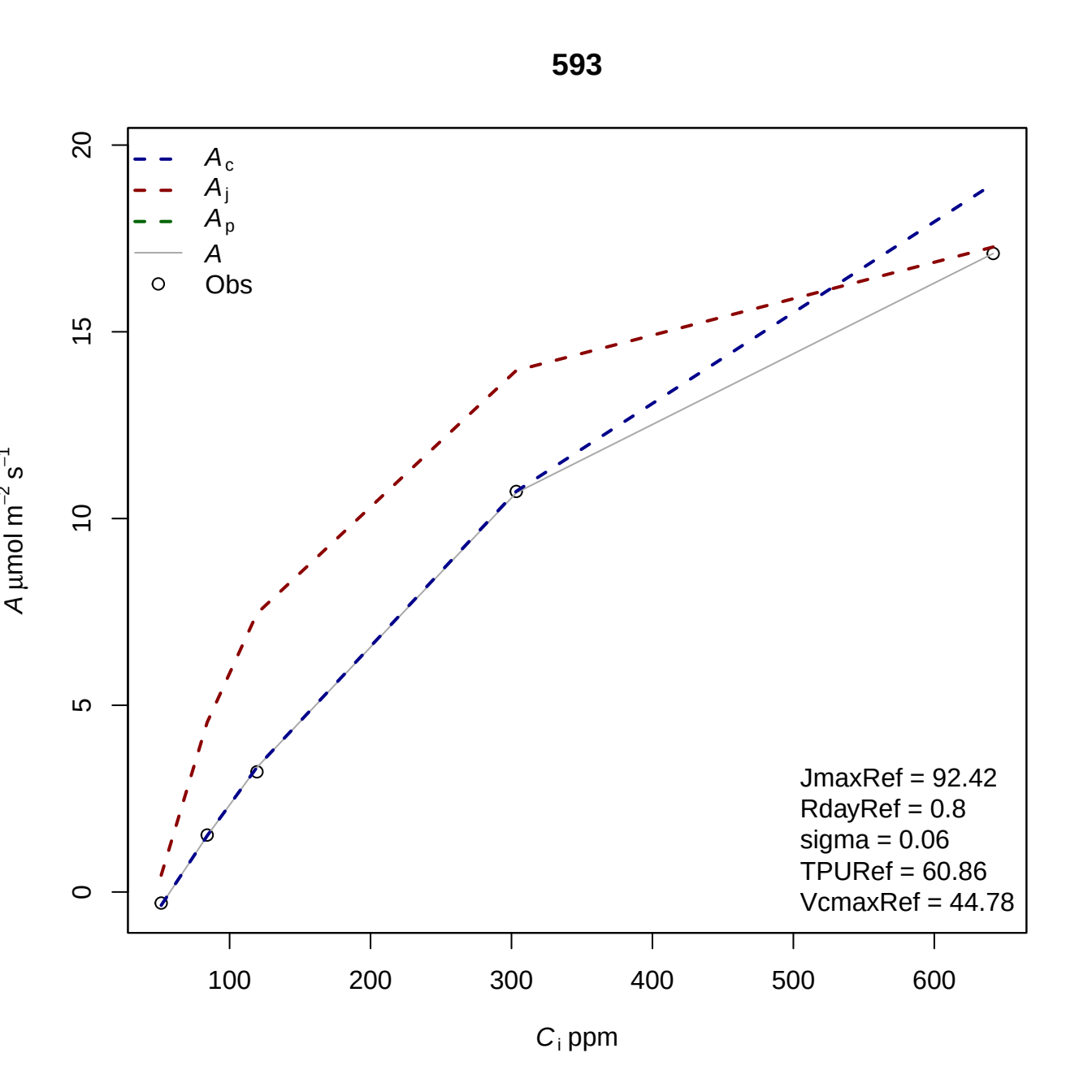

587
A_c
A_j
A_p
A
Obs
JmaxRef = 80.06
RdayRef = 0.88
sigma = 0.06
TPURef = 5.89
VcmaxRef = 41.2
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

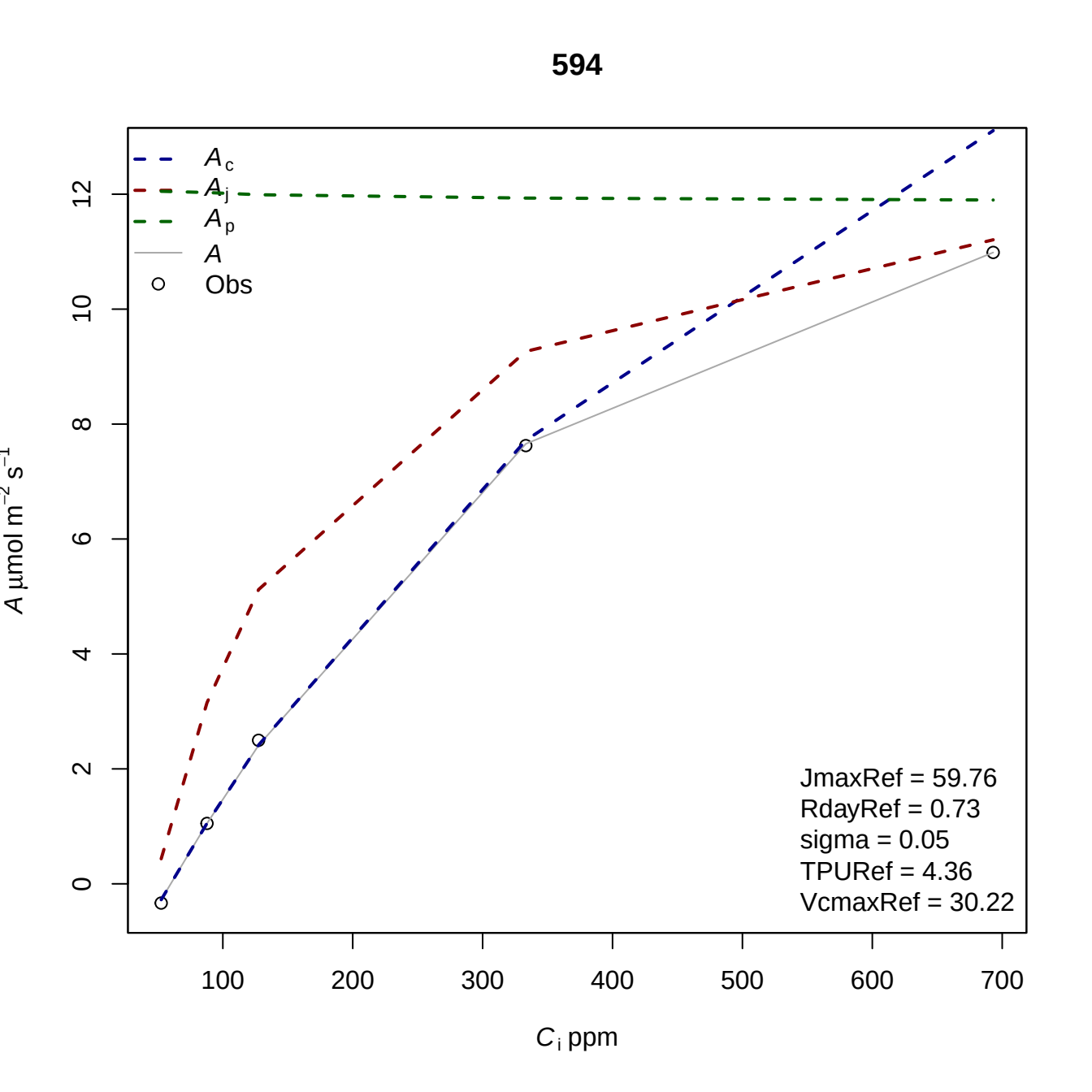

588
A_c
A_j
A_p
A
Obs
JmaxRef = 75.43
RdayRef = 0.81
sigma = 0.05
TPURef = 11.96
VcmaxRef = 37.3
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600

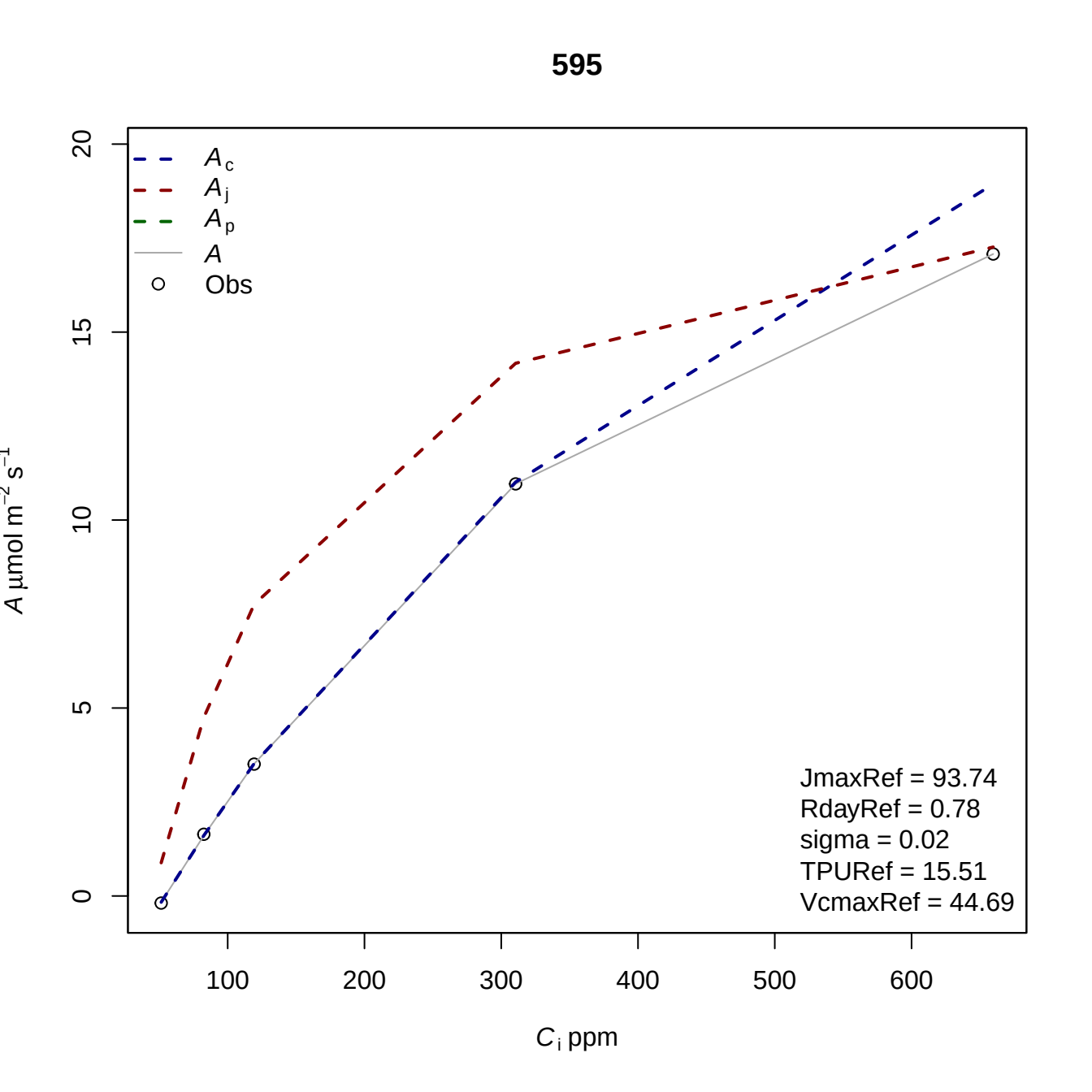

589
A_c
A_j
A_p
A
Obs
JmaxRef = 31.23
RdayRef = 0.62
sigma = 0.02
TPURef = 279.14
VcmaxRef = 17.1
A µmol m^{-2} s^{-1}
0
1
2
3
4
5
6
100
200
300
400
500
600
C_i ppm

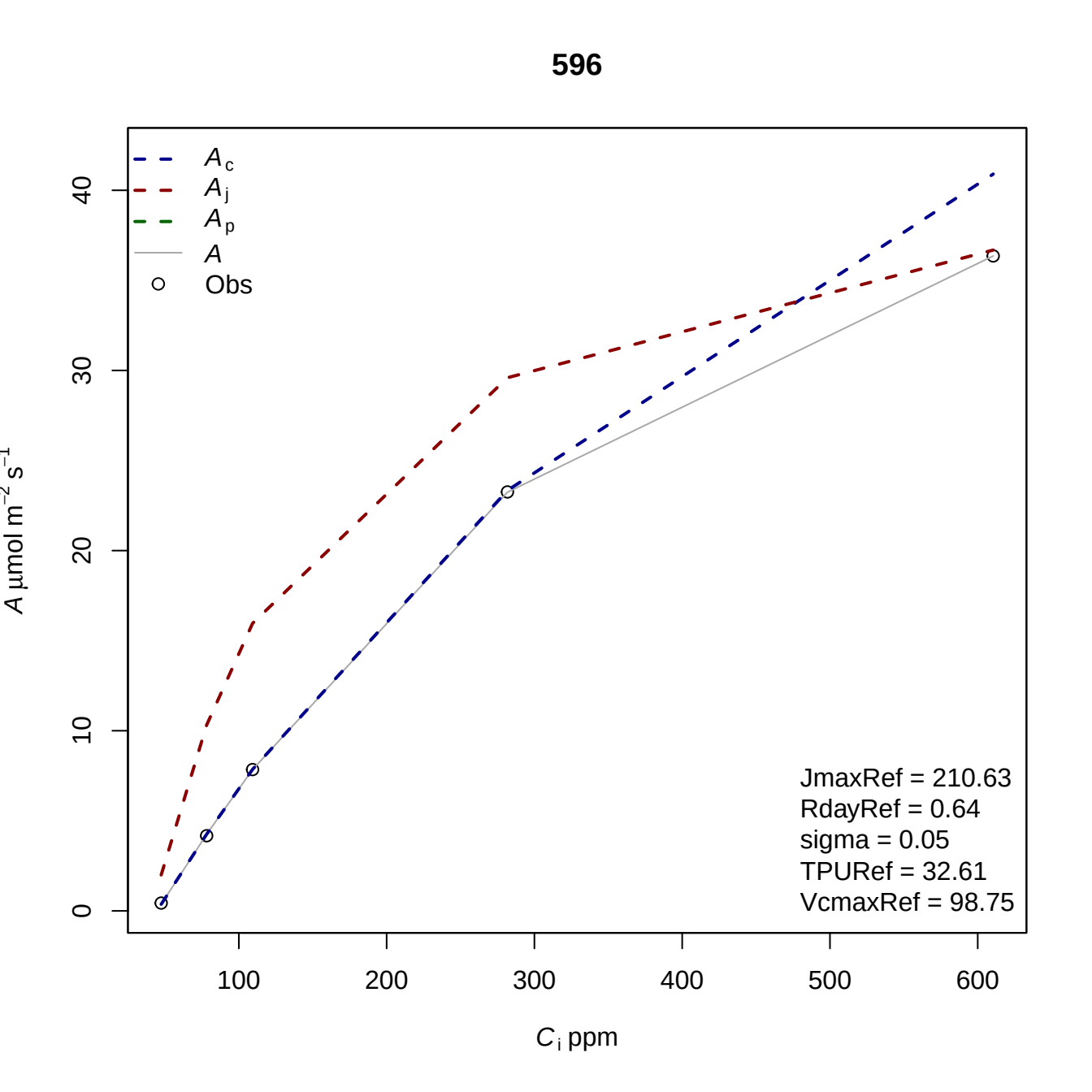

590
A_c
A_j
A_p
A
Obs
JmaxRef = 172.5
RdayRef = 1.87
sigma = 0.05
TPURef = 27.31
VcmaxRef = 84.4
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600

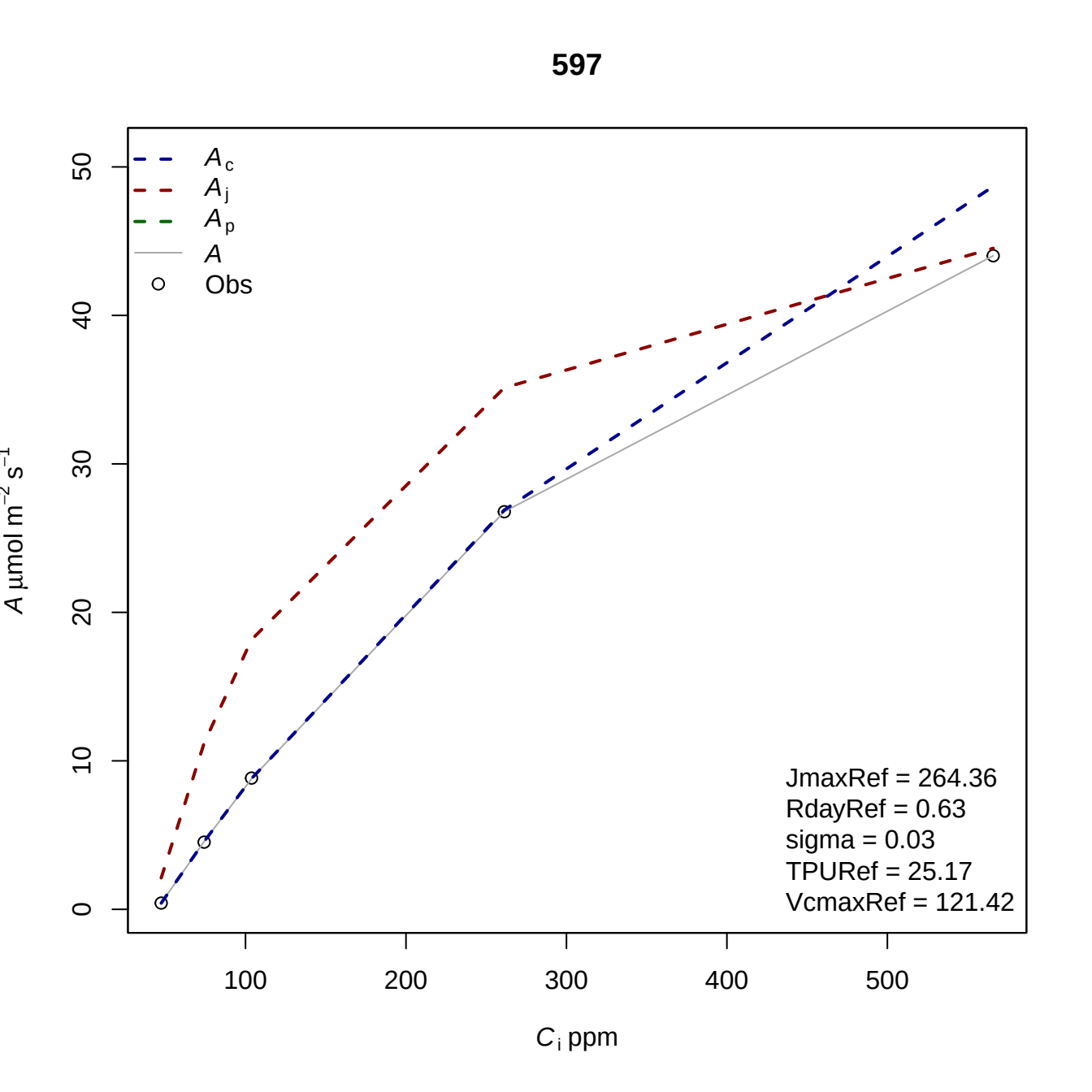

592
A_c
A_j
A_p
A
Obs
JmaxRef = 64.38
RdayRef = 1.09
sigma = 0.05
TPURef = 21.4
VcmaxRef = 31.15
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
14
100
200
300
400
500
600
700

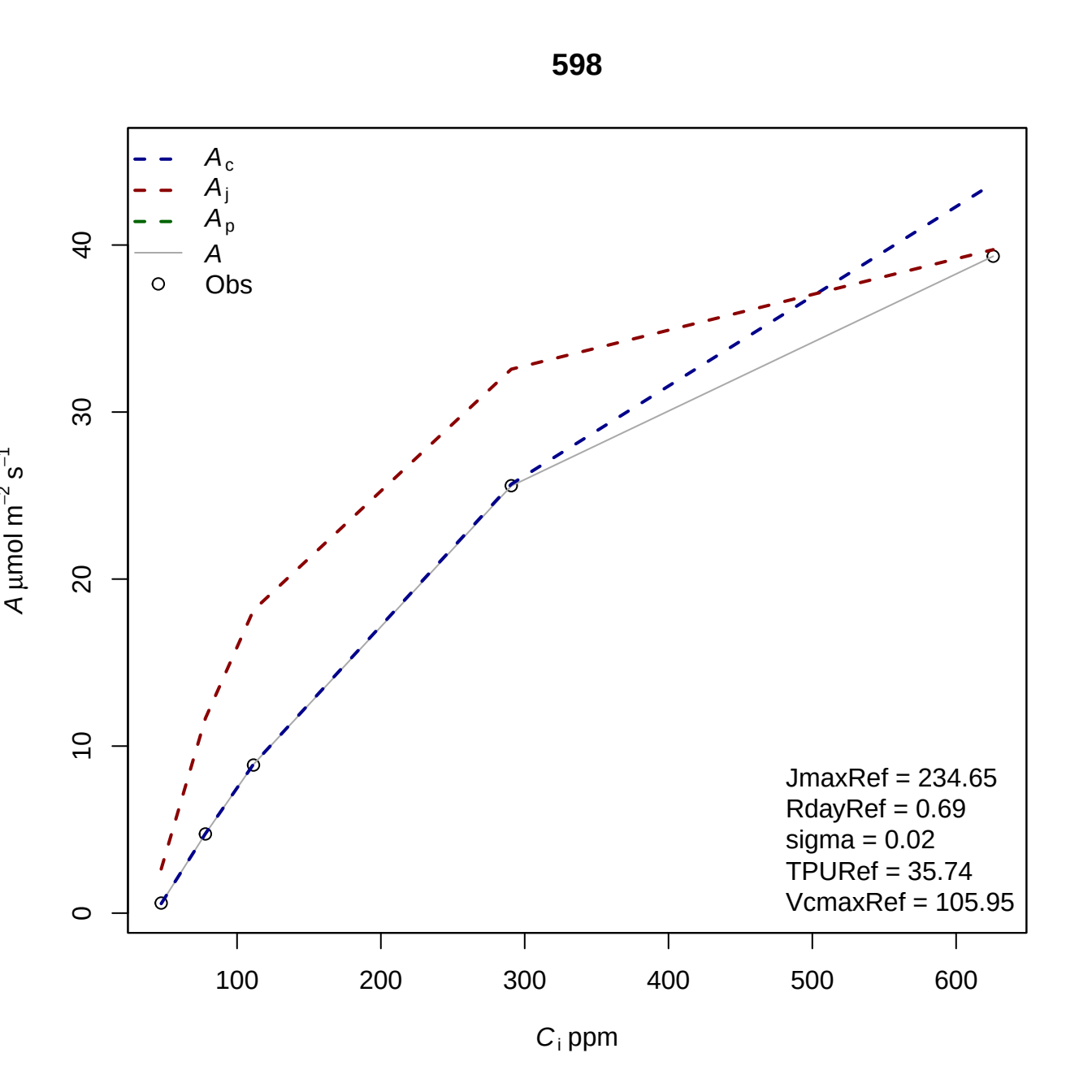

593
A_c
A_j
A_p
A
Obs
JmaxRef = 92.42
RdayRef = 0.8
sigma = 0.06
TPURef = 60.86
VcmaxRef = 44.78
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

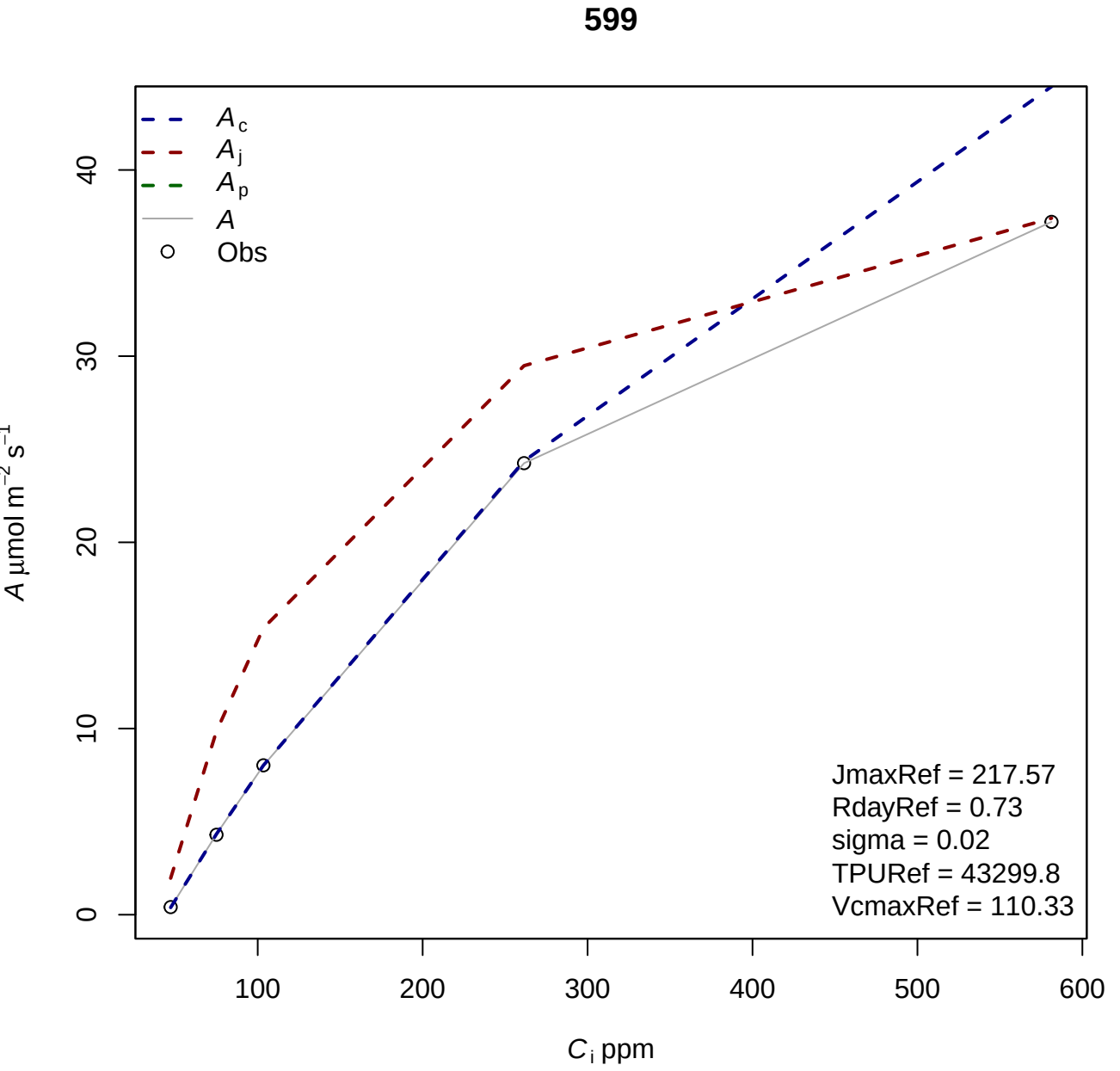

594
A_c
A_j
A_p
A
Obs
JmaxRef = 59.76
RdayRef = 0.73
sigma = 0.05
TPURef = 4.36
VcmaxRef = 30.22
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
100
200
300
400
500
600
700

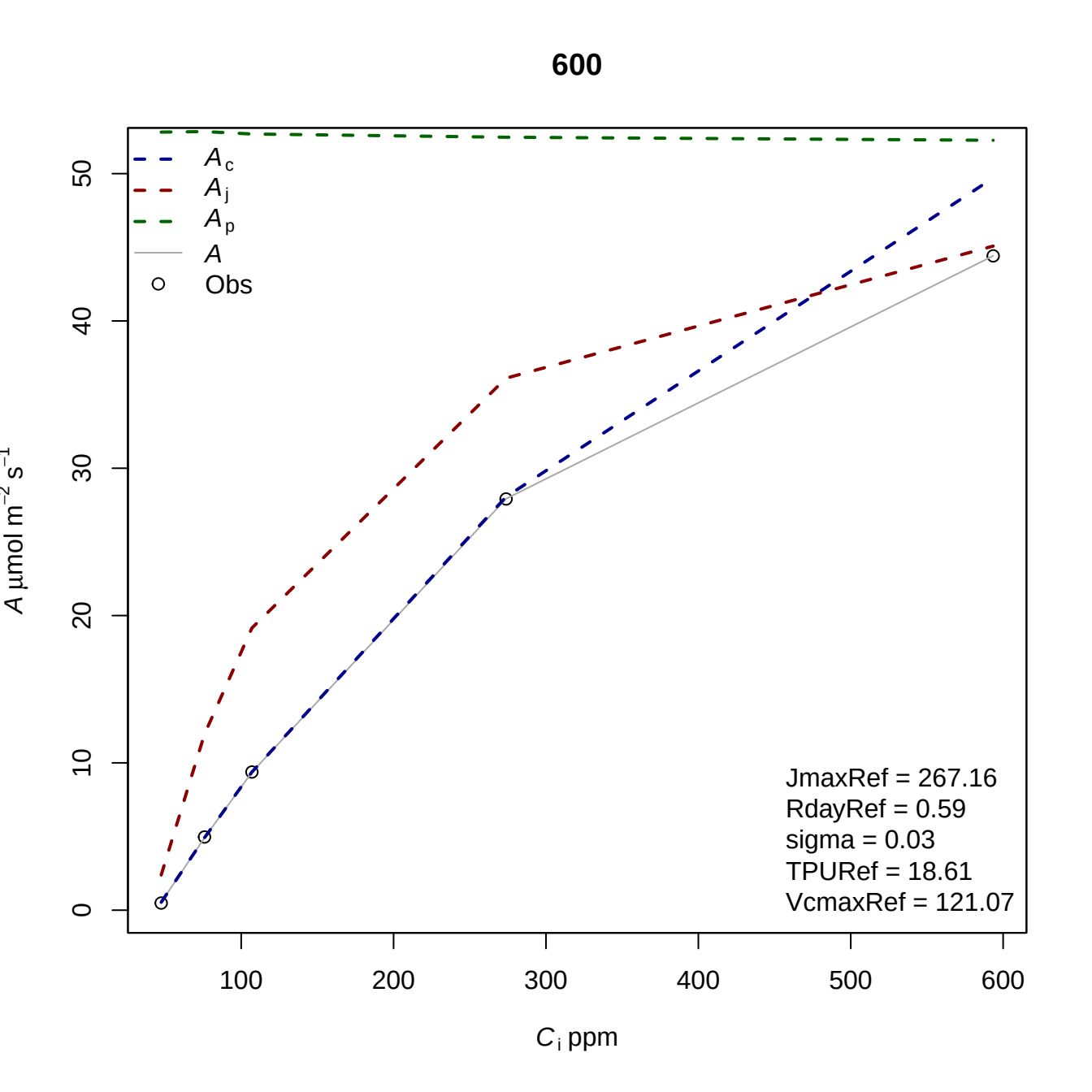

595
A_c
A_j
A_p
A
Obs
JmaxRef = 93.74
RdayRef = 0.78
sigma = 0.02
TPURef = 15.51
VcmaxRef = 44.69
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500
600

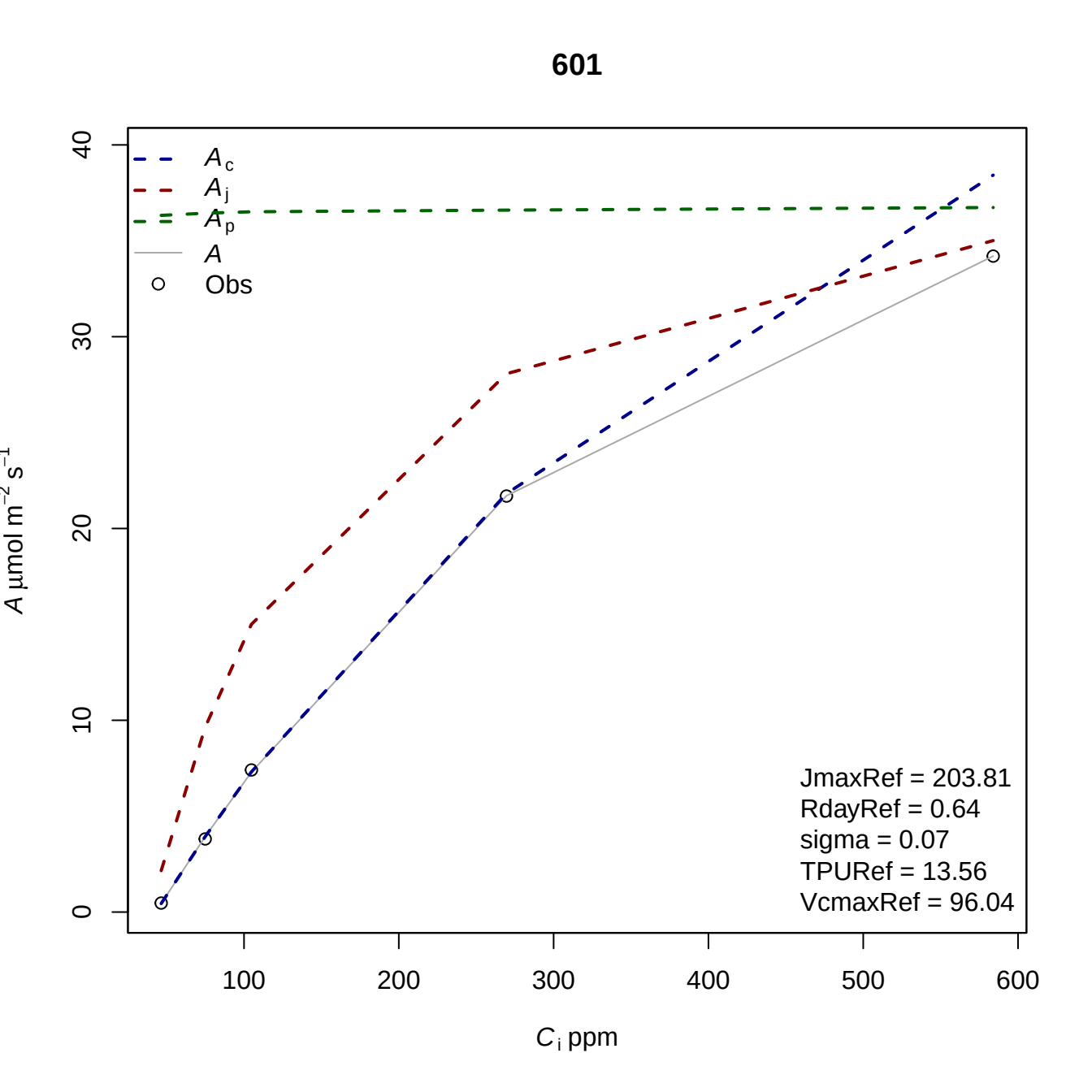

596
A_c
A_j
A_p
A
Obs
JmaxRef = 210.63
RdayRef = 0.64
sigma = 0.05
TPURef = 32.61
VcmaxRef = 98.75
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

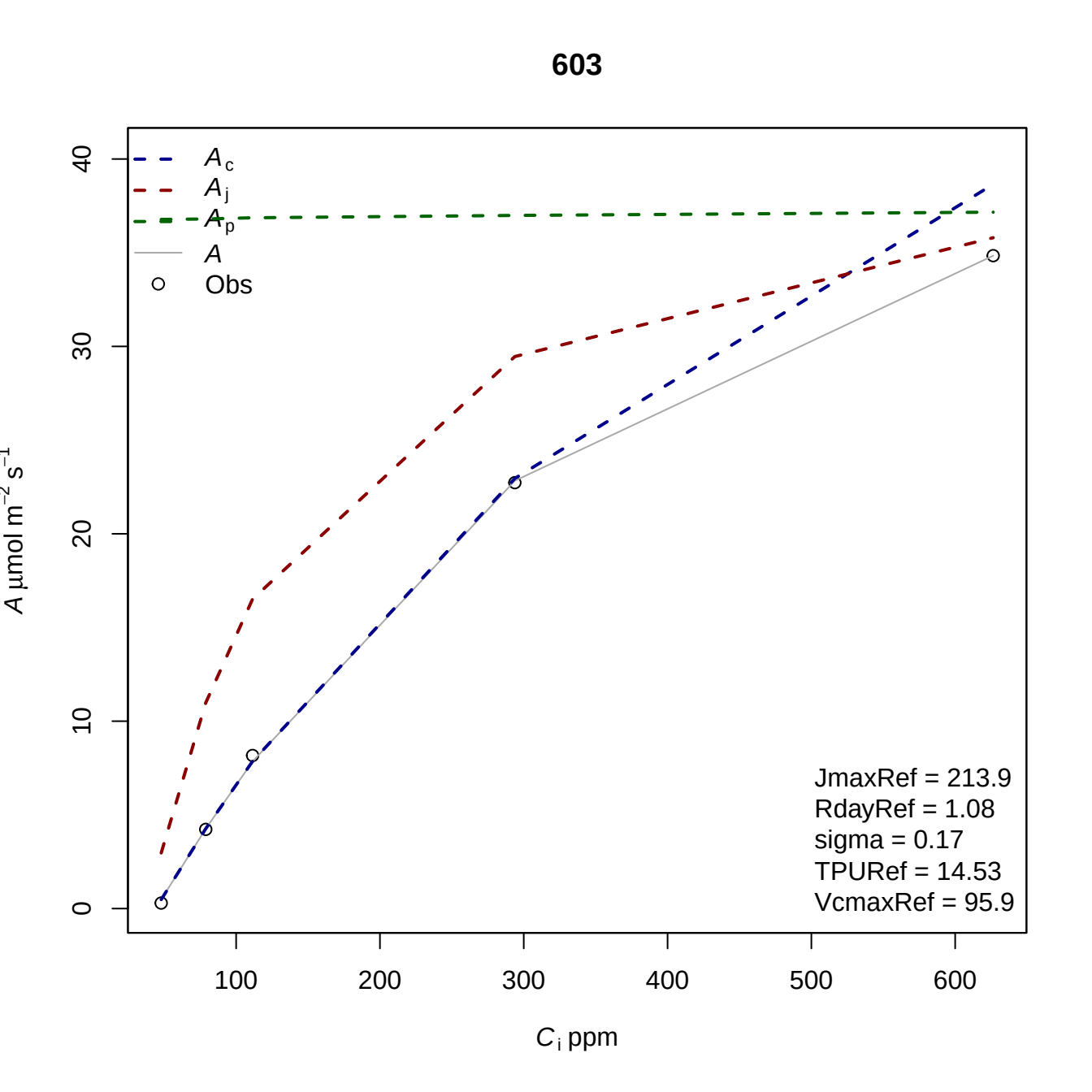

597
A_c
A_j
A_p
A
Obs
JmaxRef = 264.36
RdayRef = 0.63
sigma = 0.03
TPURef = 25.17
VcmaxRef = 121.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500

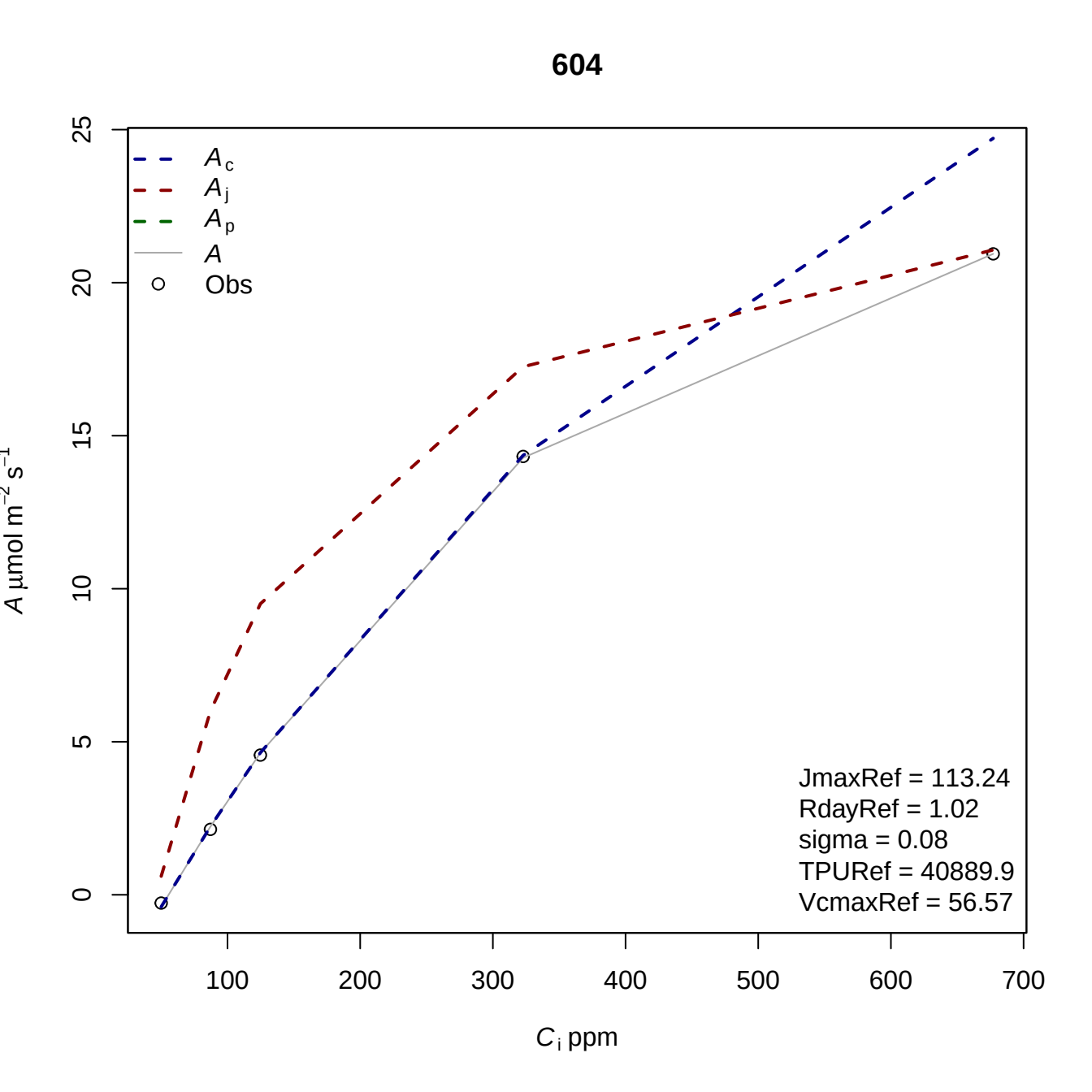

598
A_c
A_j
A_p
A
Obs
JmaxRef = 234.65
RdayRef = 0.69
sigma = 0.02
TPURef = 35.74
VcmaxRef = 105.95
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

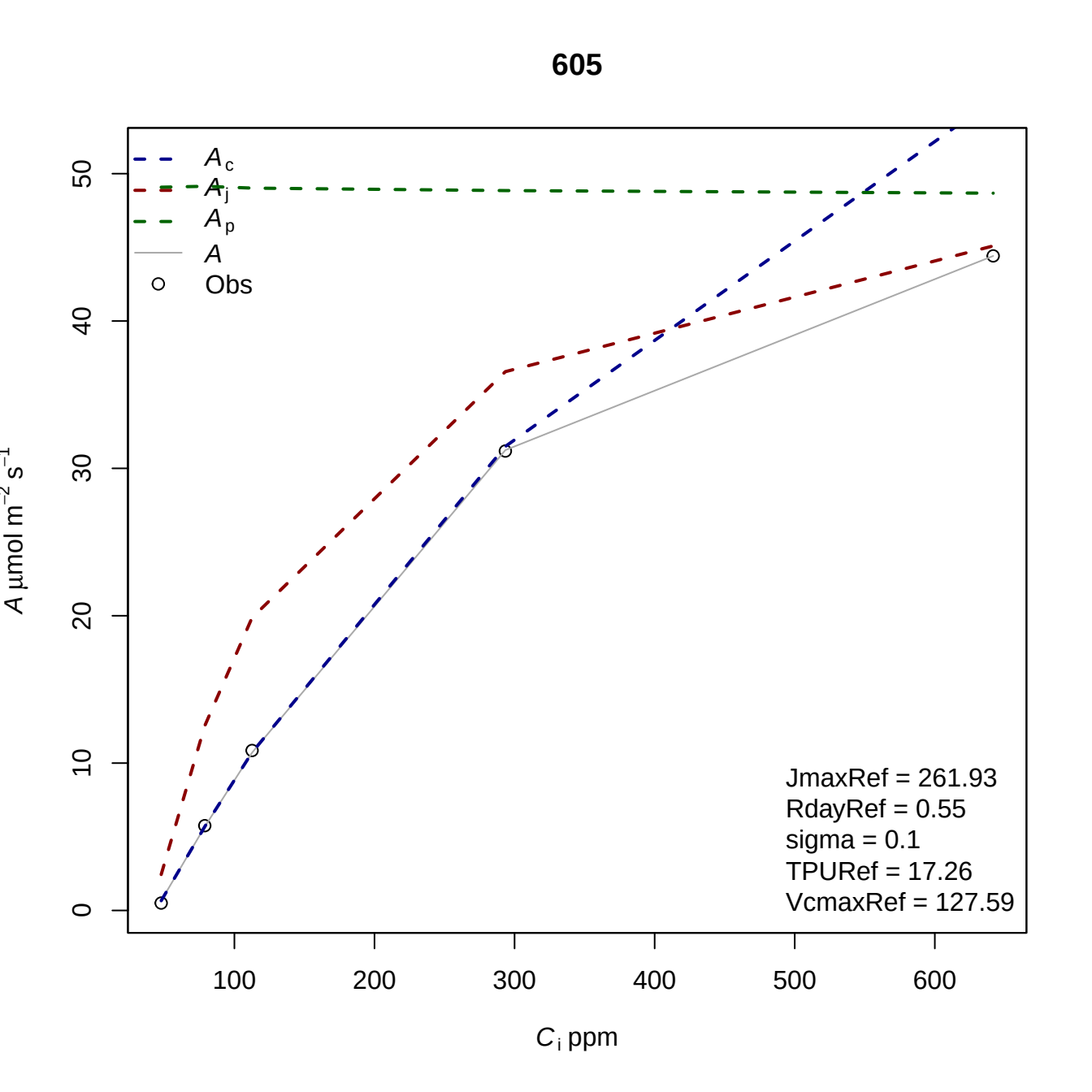

599
A_c
A_j
A_p
A
Obs
JmaxRef = 217.57
RdayRef = 0.73
sigma = 0.02
TPURef = 43299.8
VcmaxRef = 110.33
A µmol m^{-2} s^{-1}
0
10
20
30
40
100
200
300
400
500
600
C_i ppm

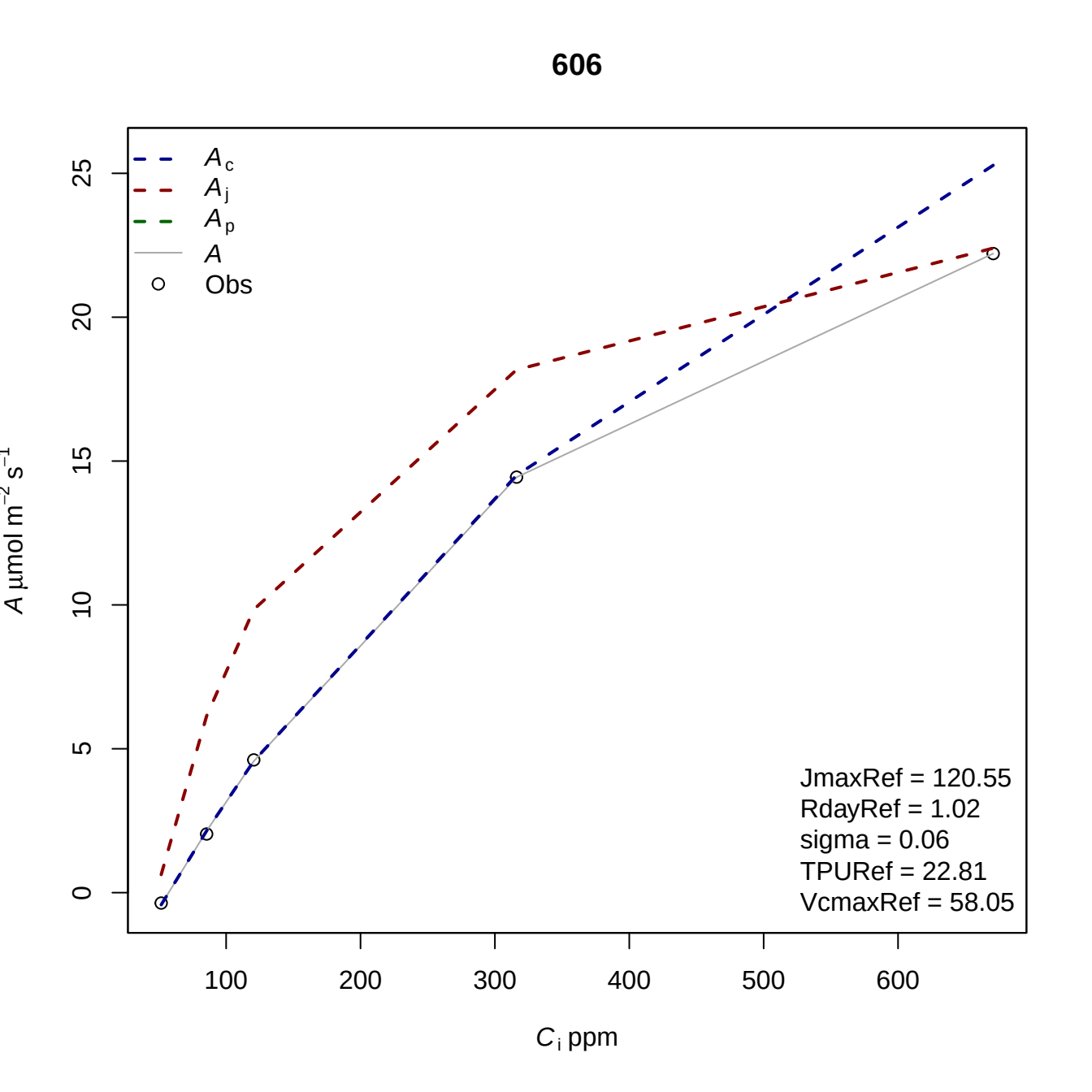

600
A_c
A_j
A_p
A
Obs
JmaxRef = 267.16
RdayRef = 0.59
sigma = 0.03
TPURef = 18.61
VcmaxRef = 121.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

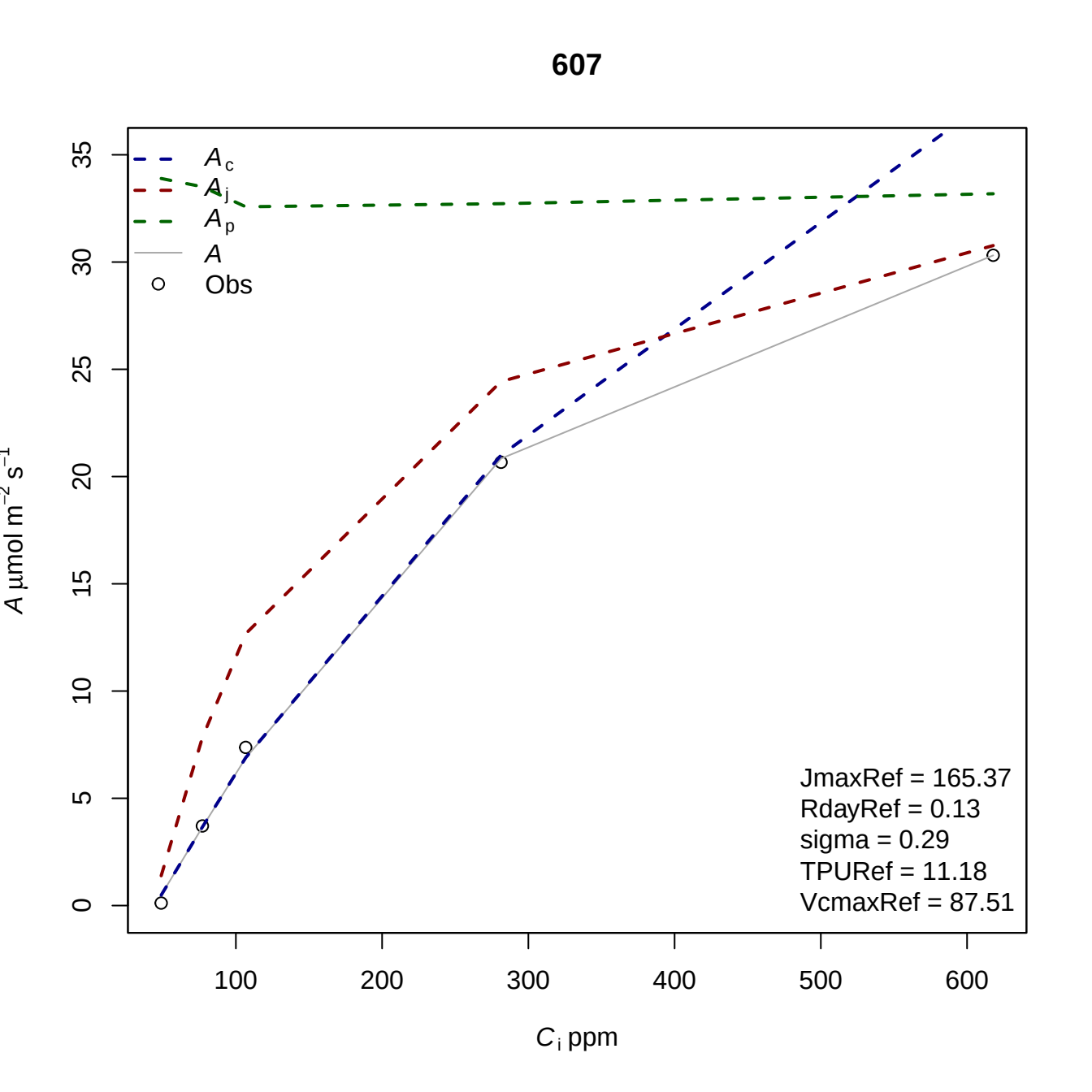

601
A_c
A_j
A_p
A
Obs
JmaxRef = 203.81
RdayRef = 0.64
sigma = 0.07
TPURef = 13.56
VcmaxRef = 96.04
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

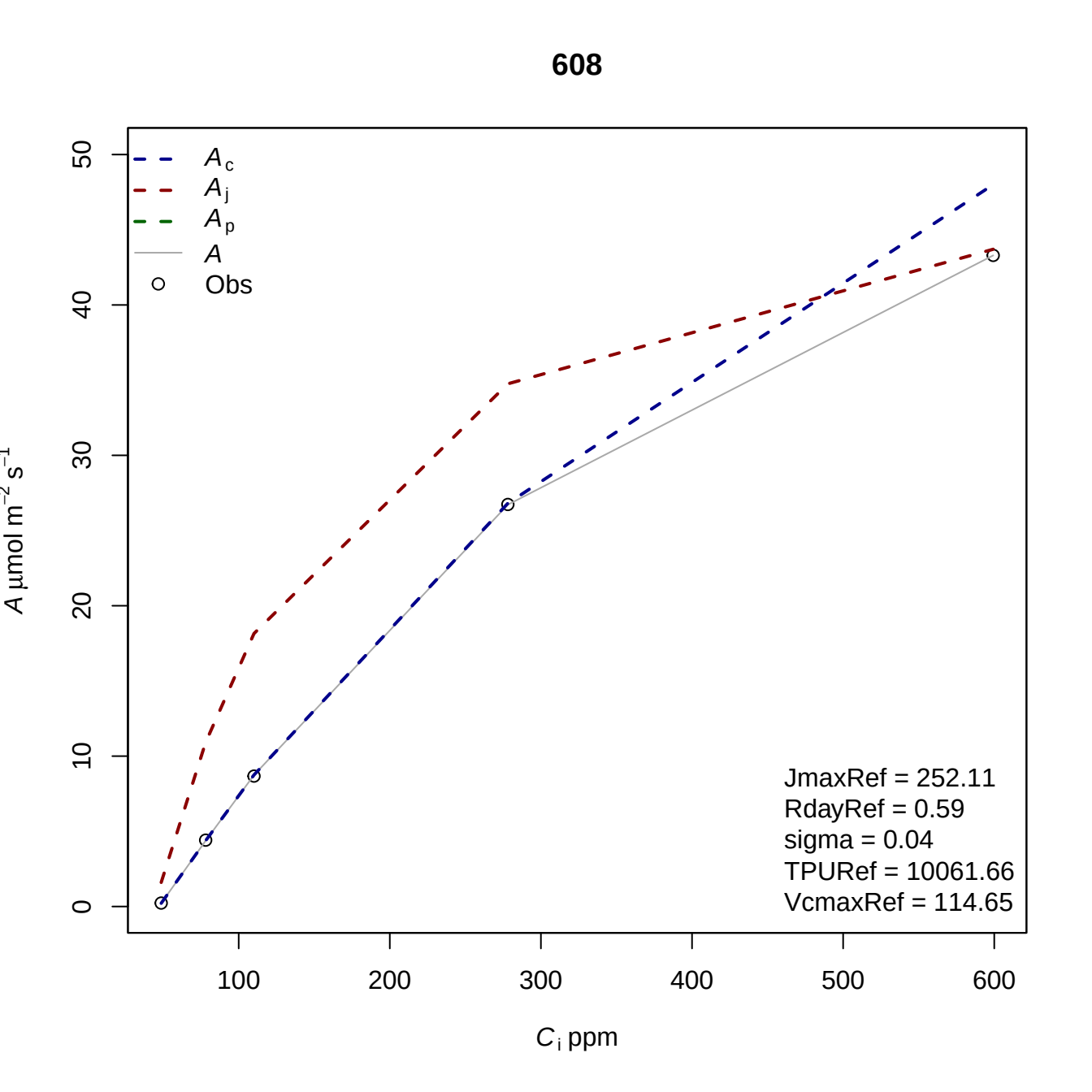

603
A_c
A_j
A_p
A
Obs
JmaxRef = 213.9
RdayRef = 1.08
sigma = 0.17
TPURef = 14.53
VcmaxRef = 95.9
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
100
200
300
400
500
600

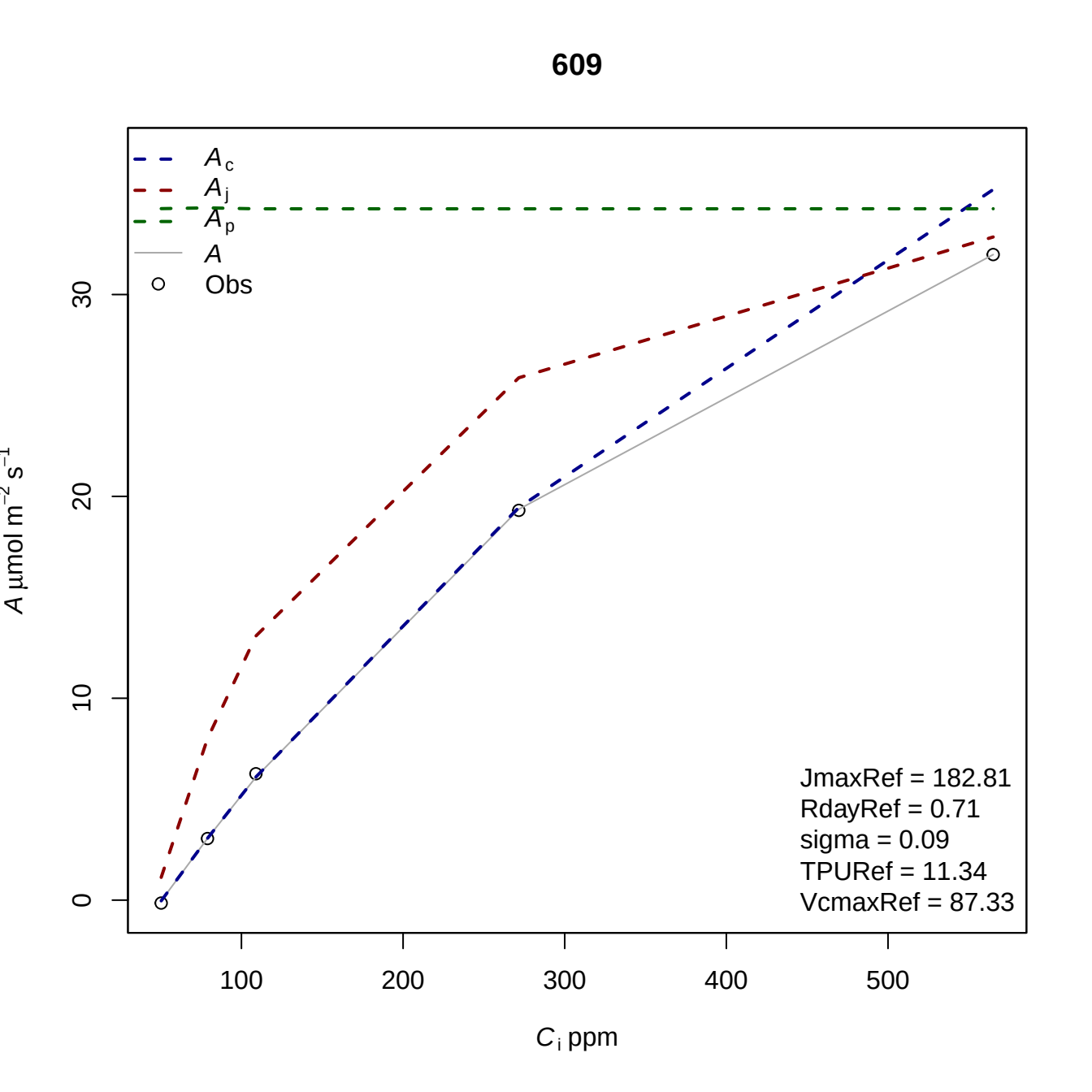

604
A_c
A_j
A_p
A
Obs
JmaxRef = 113.24
RdayRef = 1.02
sigma = 0.08
TPURef = 40889.9
VcmaxRef = 56.57
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600
700

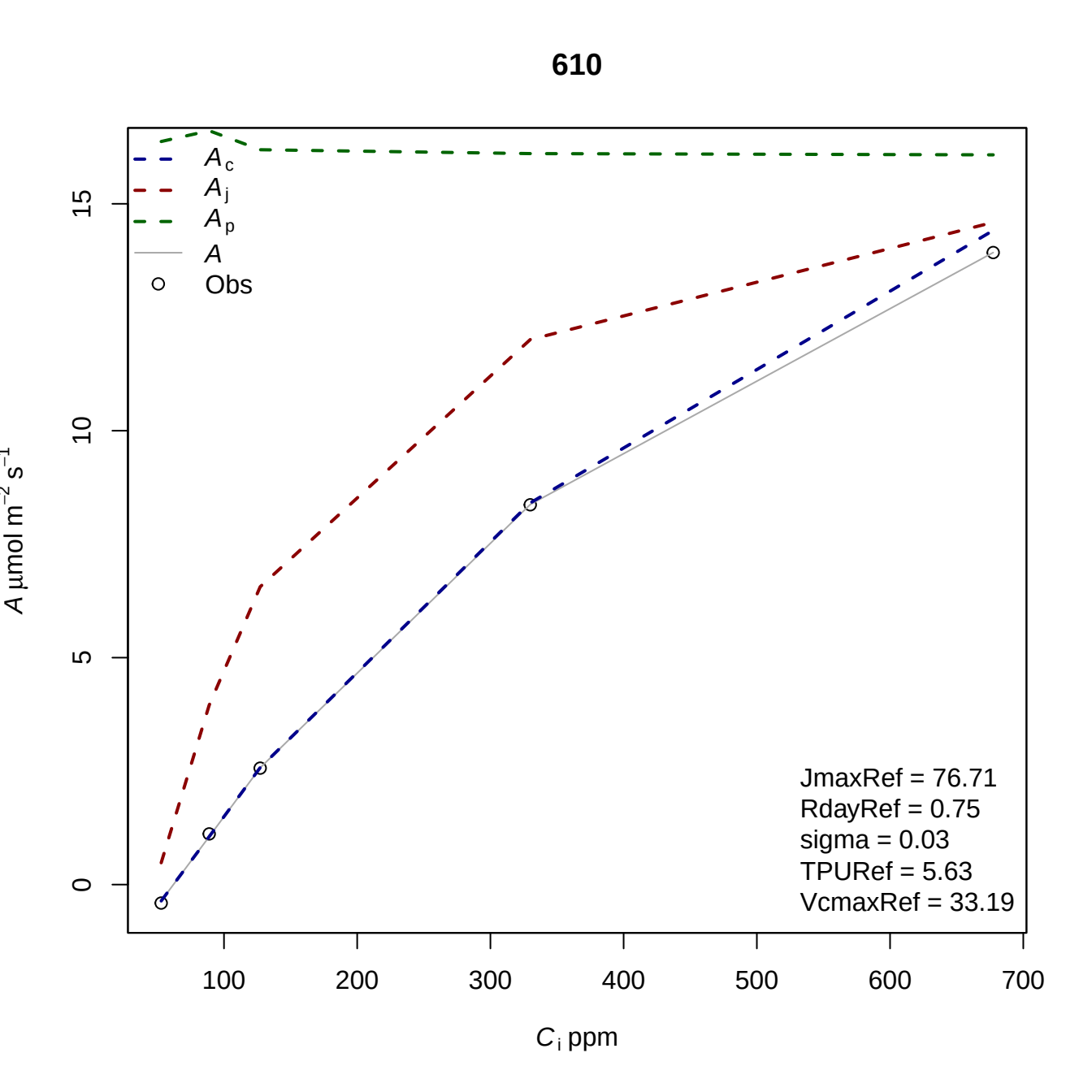

605
A_c
A_j
A_p
A
Obs
JmaxRef = 261.93
RdayRef = 0.55
sigma = 0.1
TPURef = 17.26
VcmaxRef = 127.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600


606
A_c
A_j
A_p
A
Obs
JmaxRef = 120.55
RdayRef = 1.02
sigma = 0.06
TPURef = 22.81
VcmaxRef = 58.05
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
100
200
300
400
500
600


607
A_c
A_j
A_p
A
Obs
JmaxRef = 165.37
RdayRef = 0.13
sigma = 0.29
TPURef = 11.18
VcmaxRef = 87.51
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
100
200
300
400
500
600


608
A_c
A_j
A_p
A
Obs
JmaxRef = 252.11
RdayRef = 0.59
sigma = 0.04
TPURef = 10061.66
VcmaxRef = 114.65
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600


609
A_c
A_j
A_p
A
Obs
JmaxRef = 182.81
RdayRef = 0.71
sigma = 0.09
TPURef = 11.34
VcmaxRef = 87.33
0
10
20
30
100
200
300
400
500
A µmol m^{-2} s^{-1}
C_i ppm


610
A_c
A_j
A_p
A
Obs
JmaxRef = 76.71
RdayRef = 0.75
sigma = 0.03
TPURef = 5.63
VcmaxRef = 33.19
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600
700