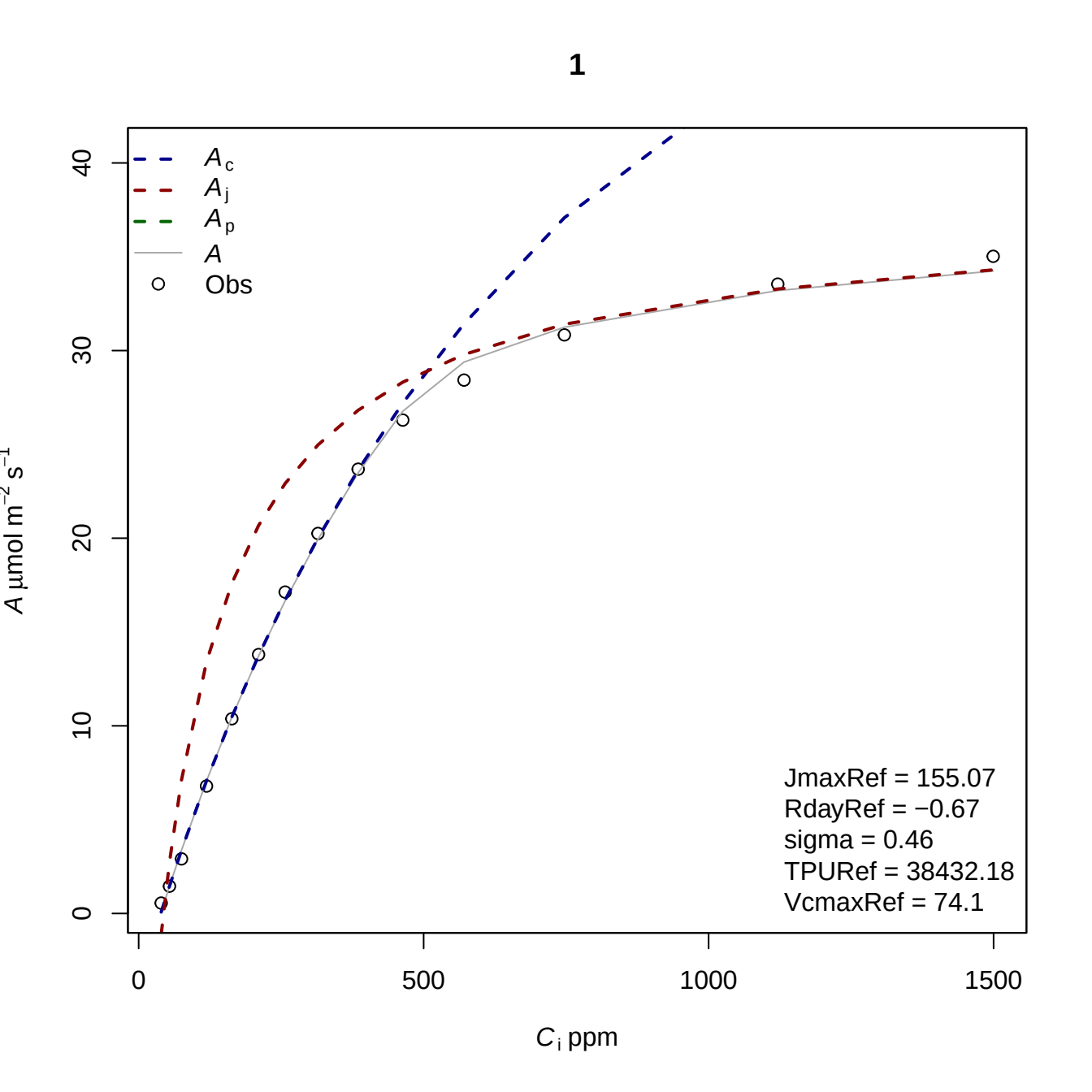
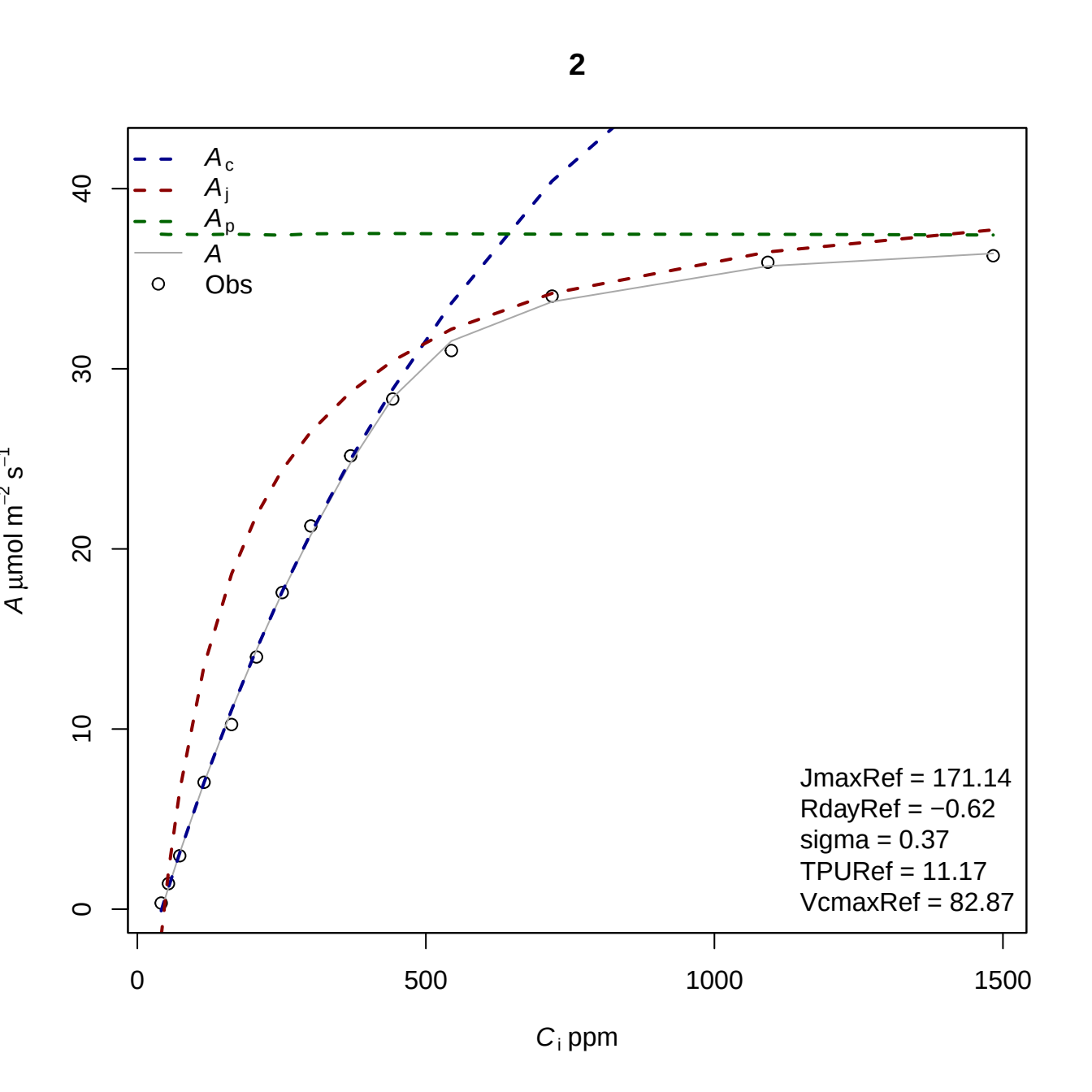
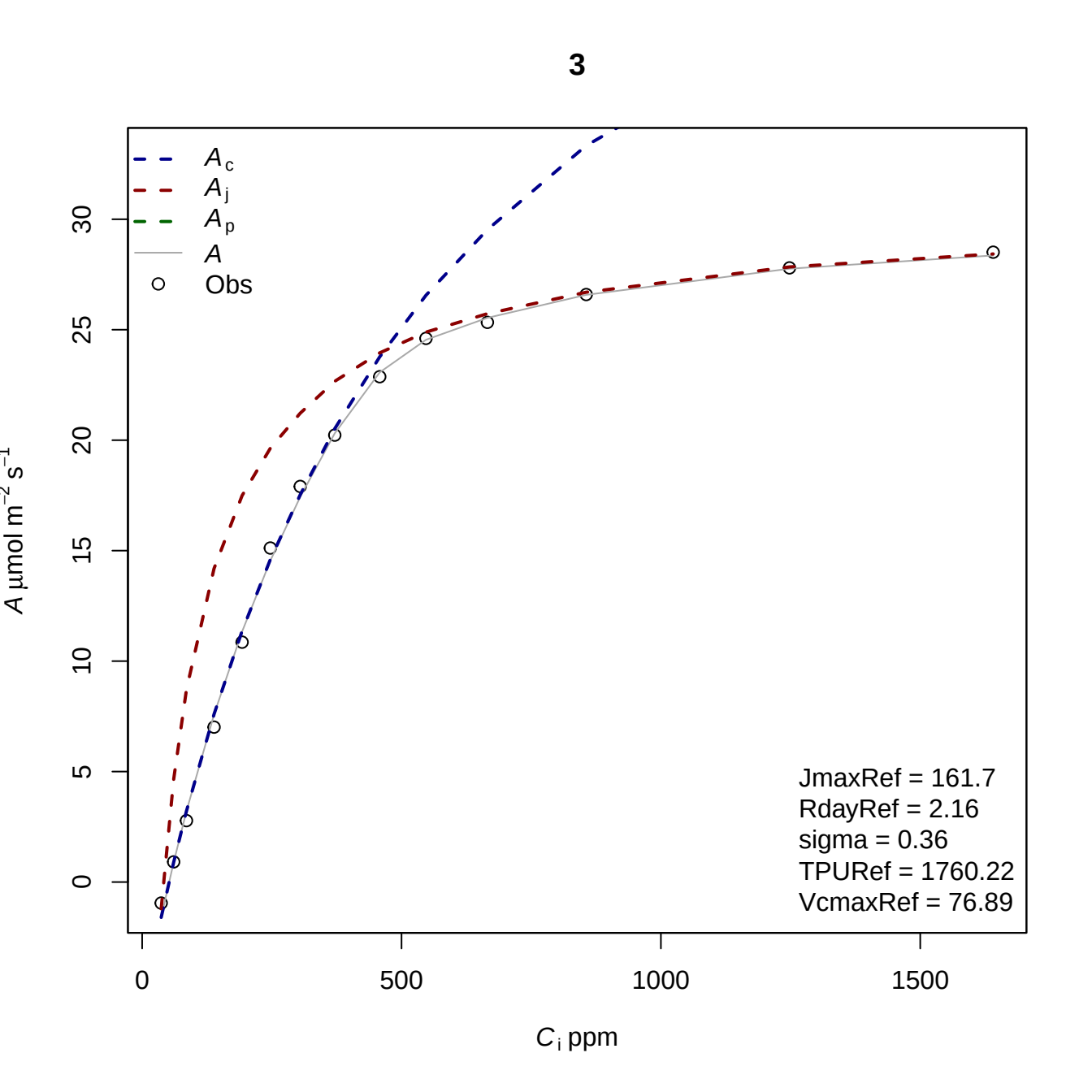
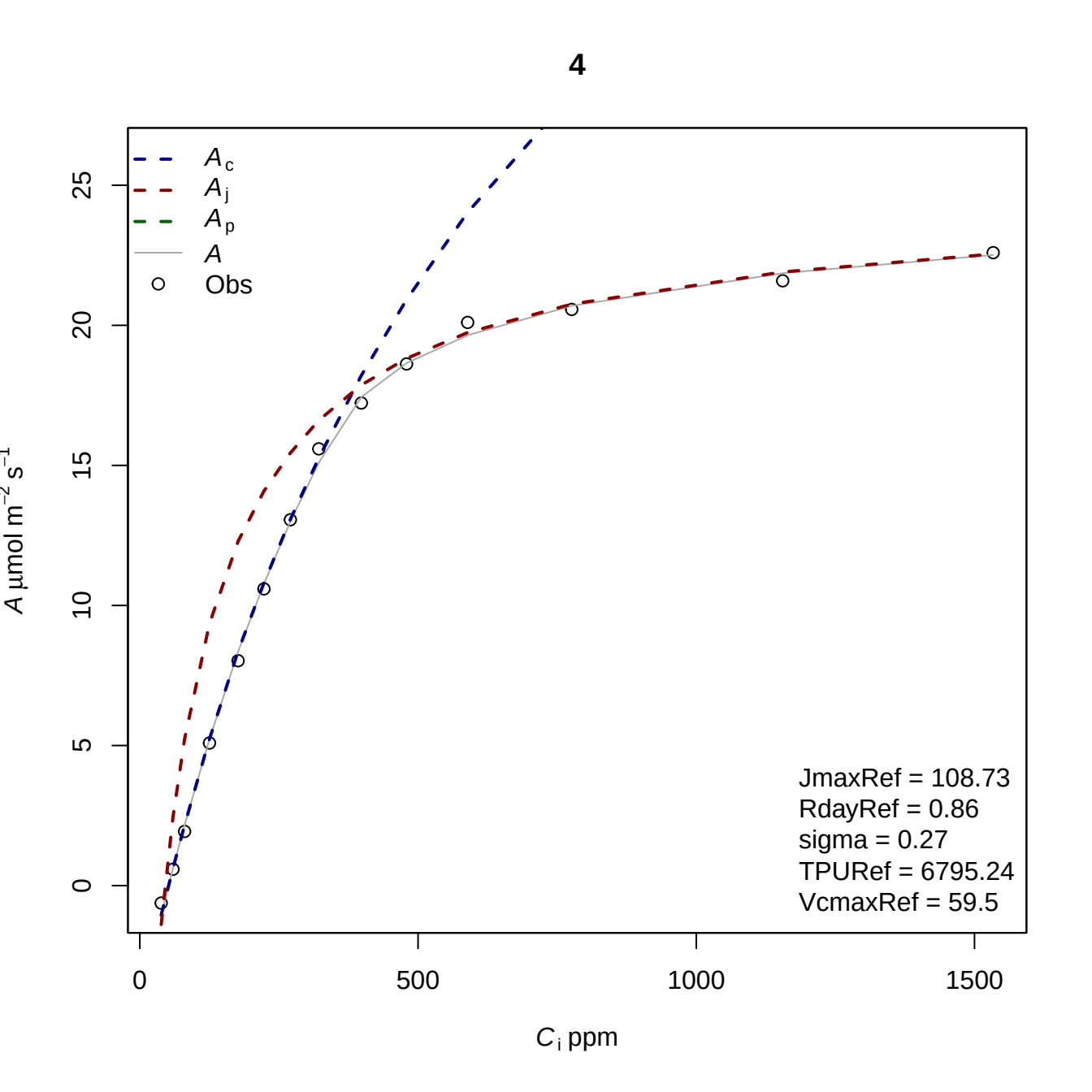
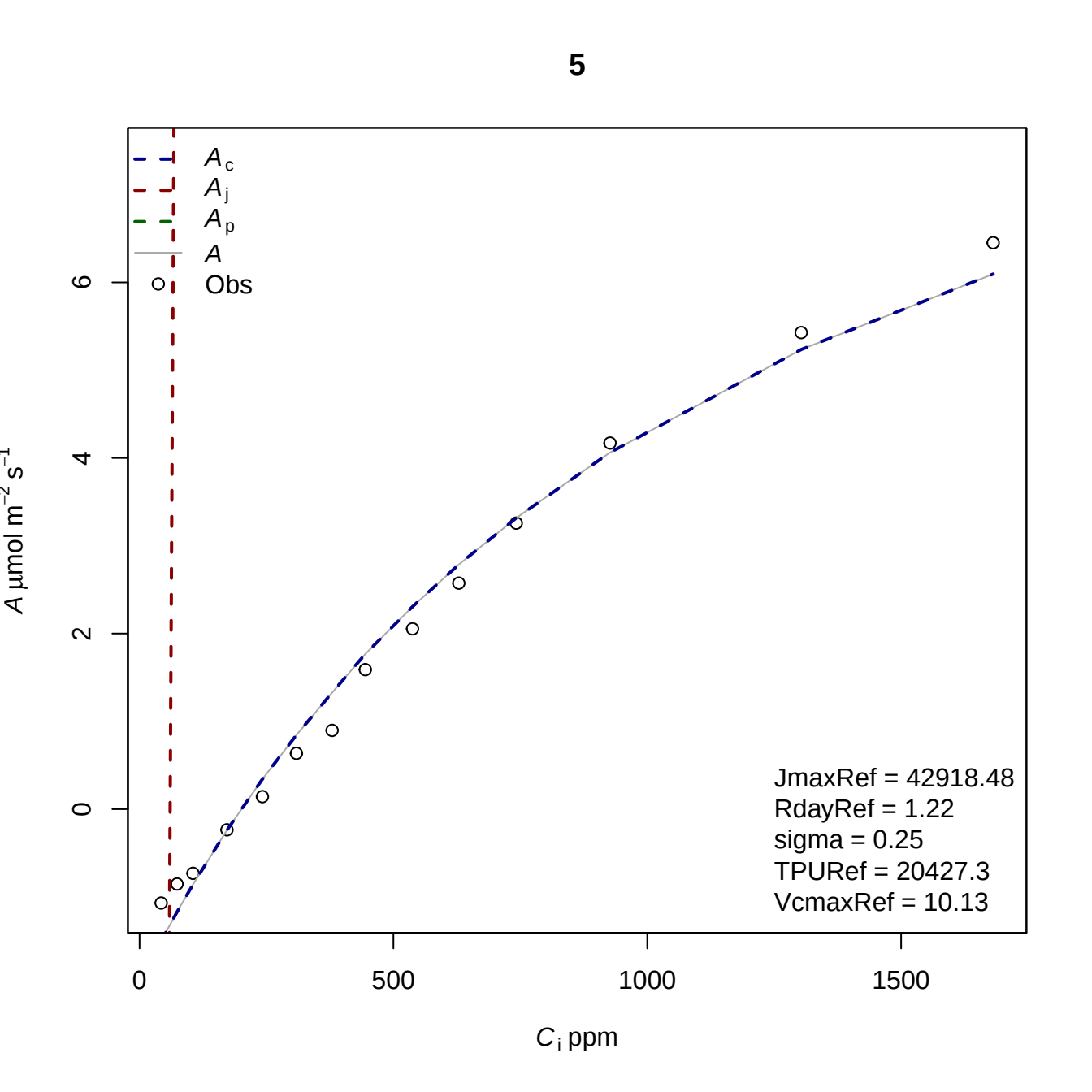
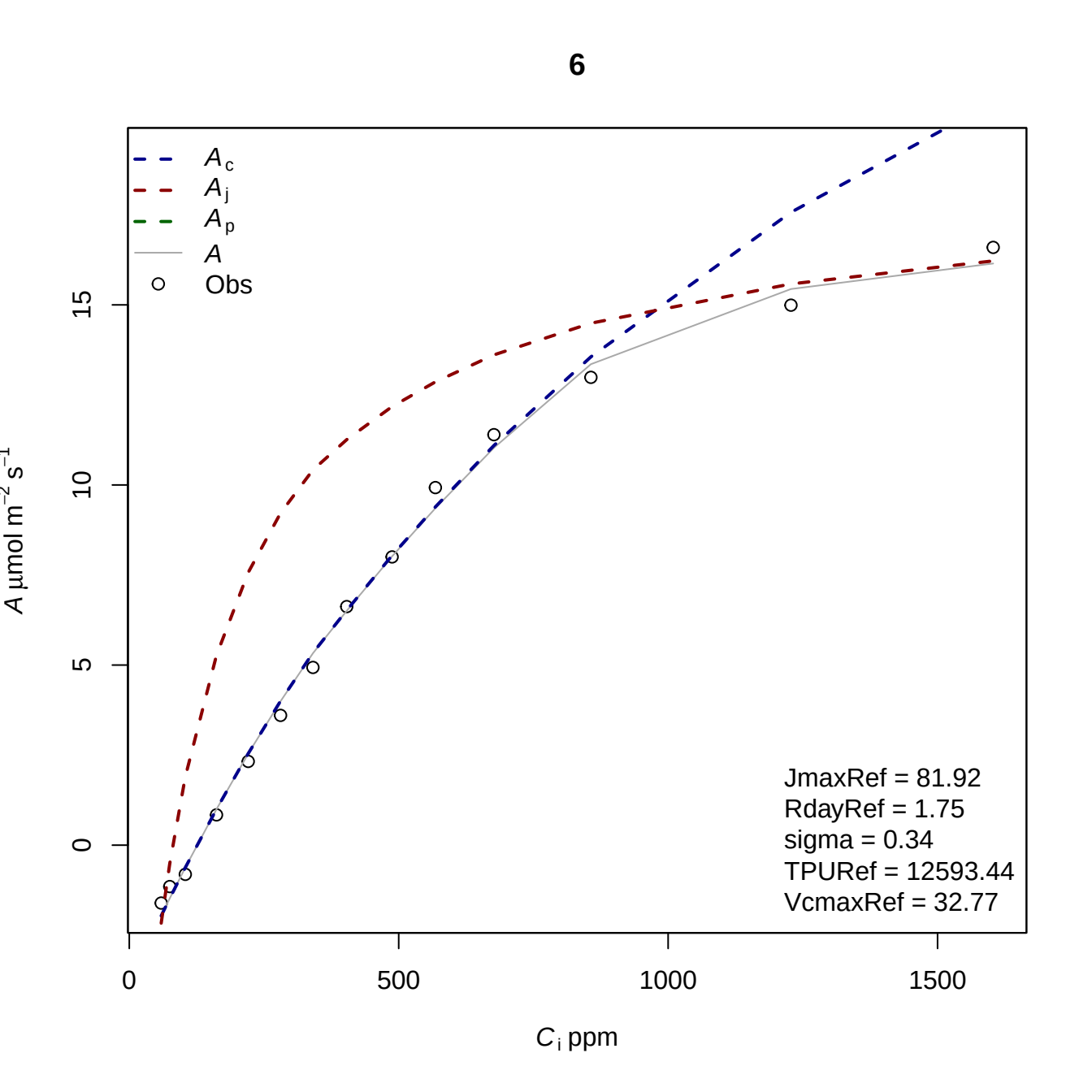

1
A_c
A_j
A_p
A
Obs
JmaxRef = 155.07
RdayRef = −0.67
sigma = 0.46
TPURef = 38432.18
VcmaxRef = 74.1
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

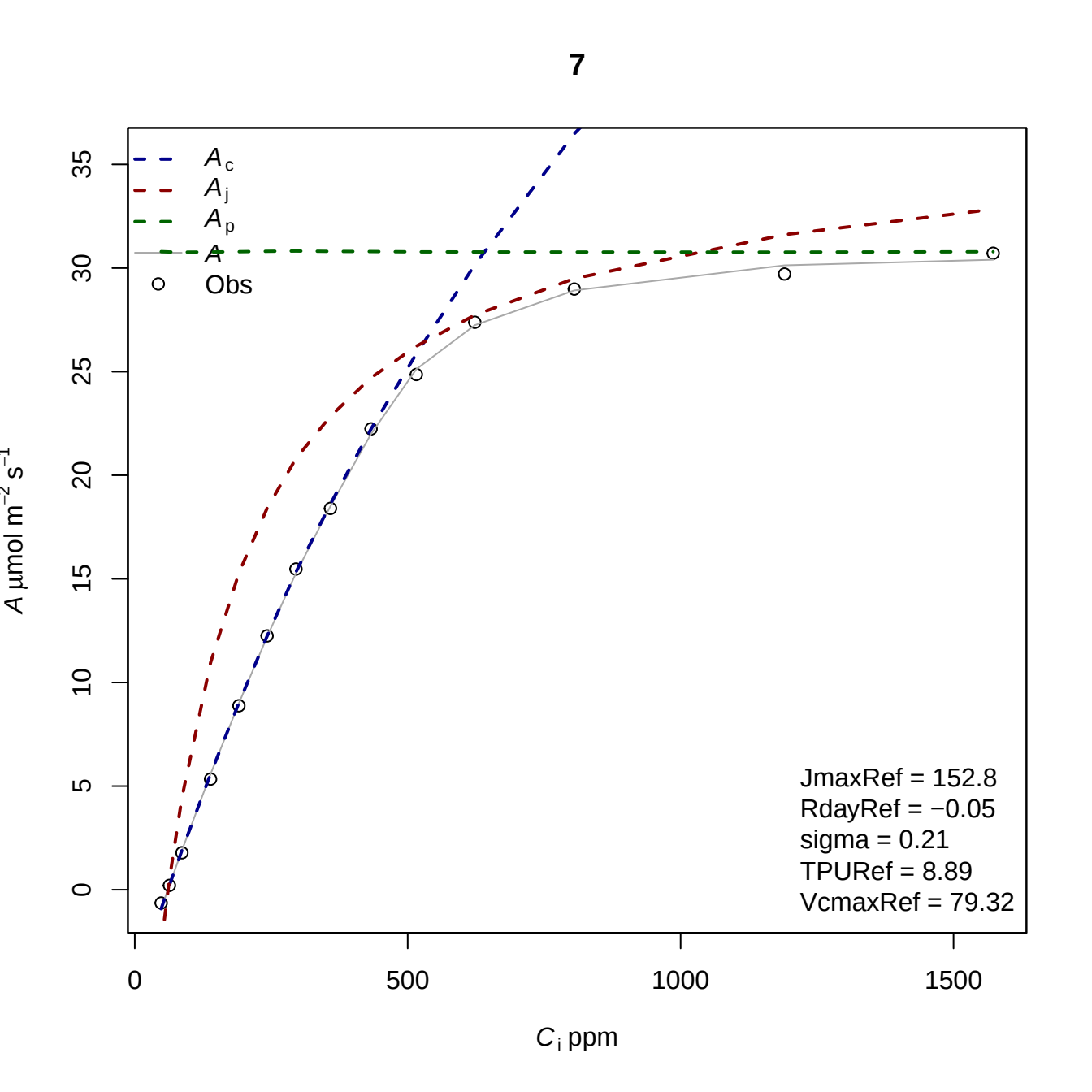

2
A_c
A_j
A_p
A
Obs
JmaxRef = 171.14
RdayRef = −0.62
sigma = 0.37
TPURef = 11.17
VcmaxRef = 82.87
0
10
20
30
40
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

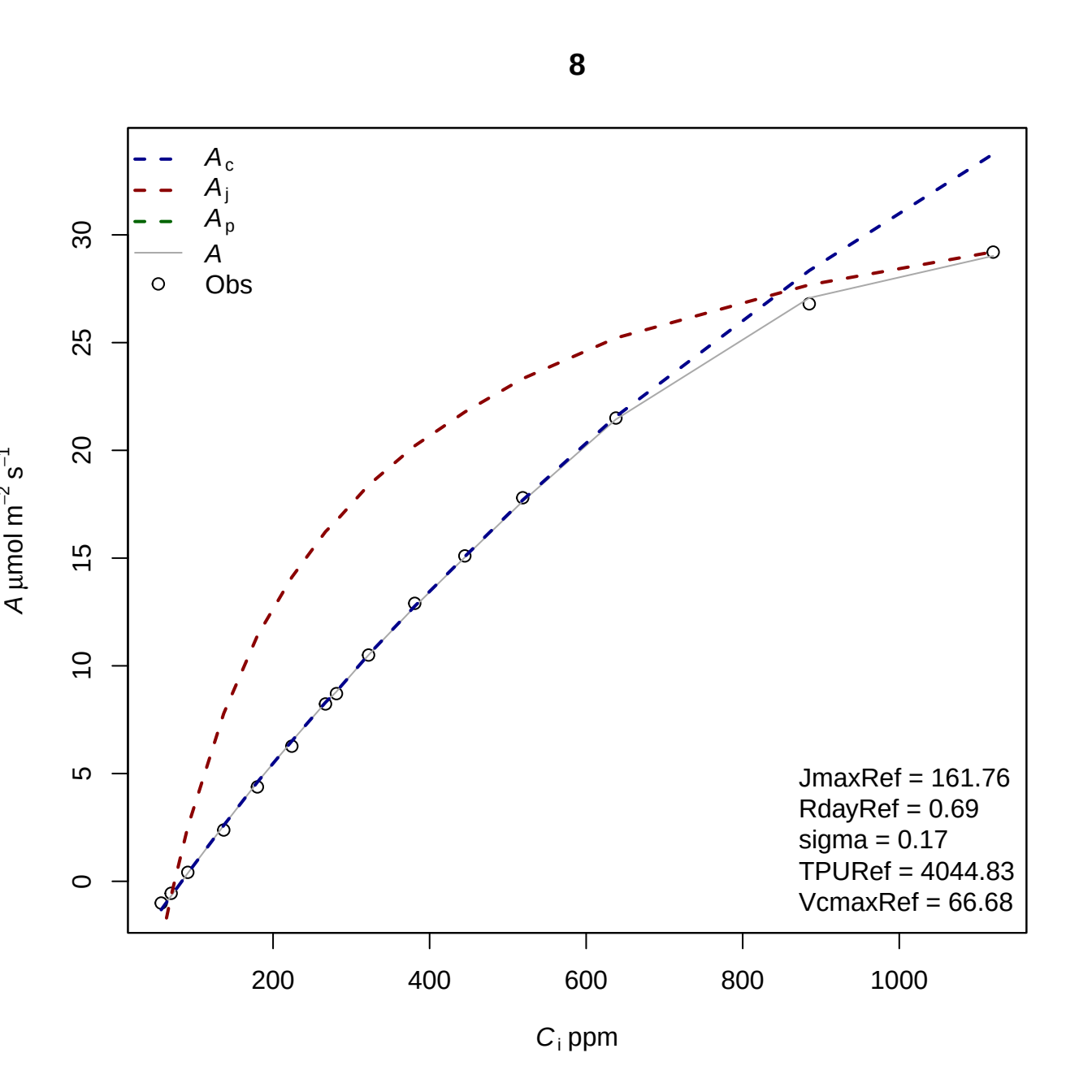

3
A_c
A_j
A_p
A
Obs
JmaxRef = 161.7
RdayRef = 2.16
sigma = 0.36
TPURef = 1760.22
VcmaxRef = 76.89
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

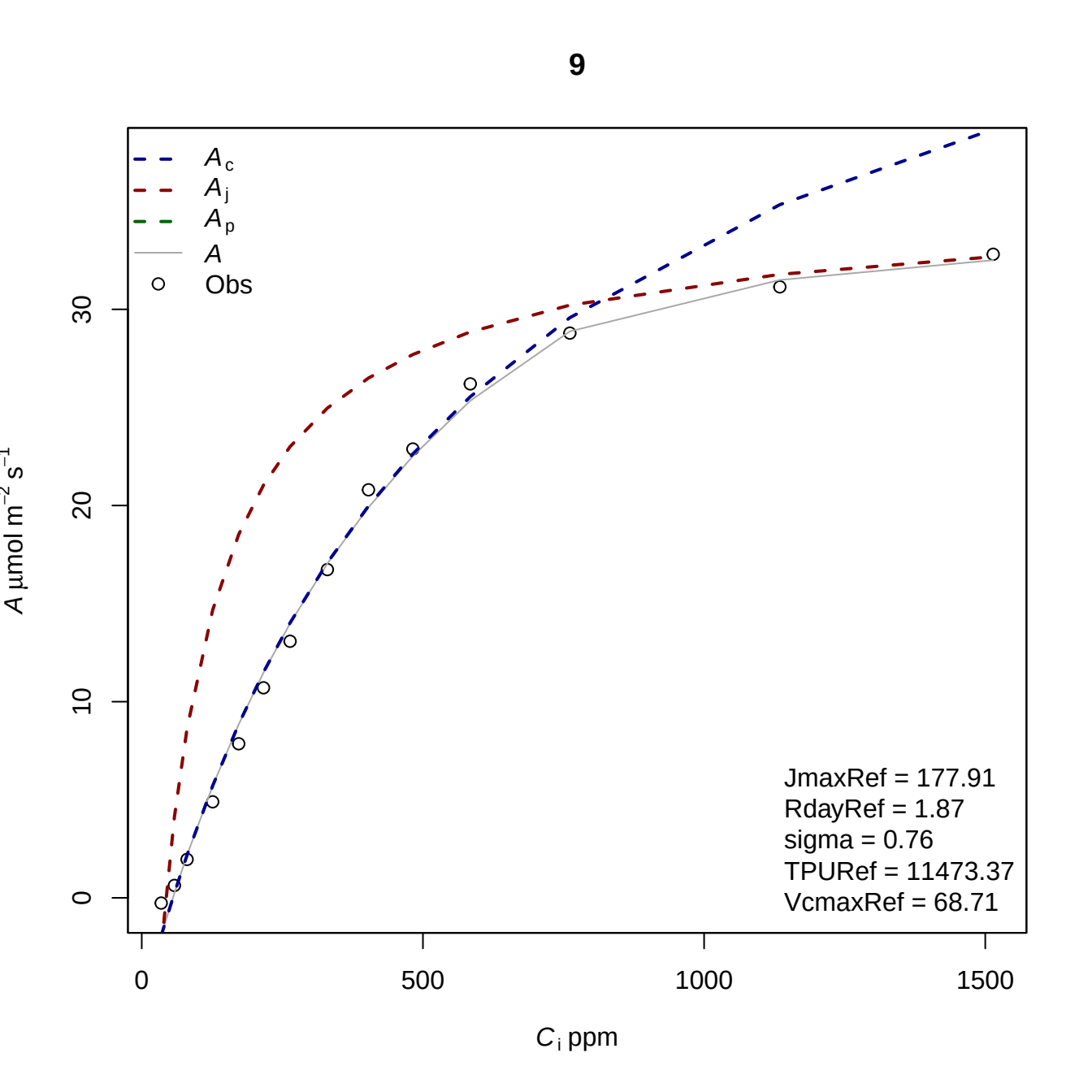

4
A_c
A_j
A_p
A
Obs
JmaxRef = 108.73
RdayRef = 0.86
sigma = 0.27
TPURef = 6795.24
VcmaxRef = 59.5
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

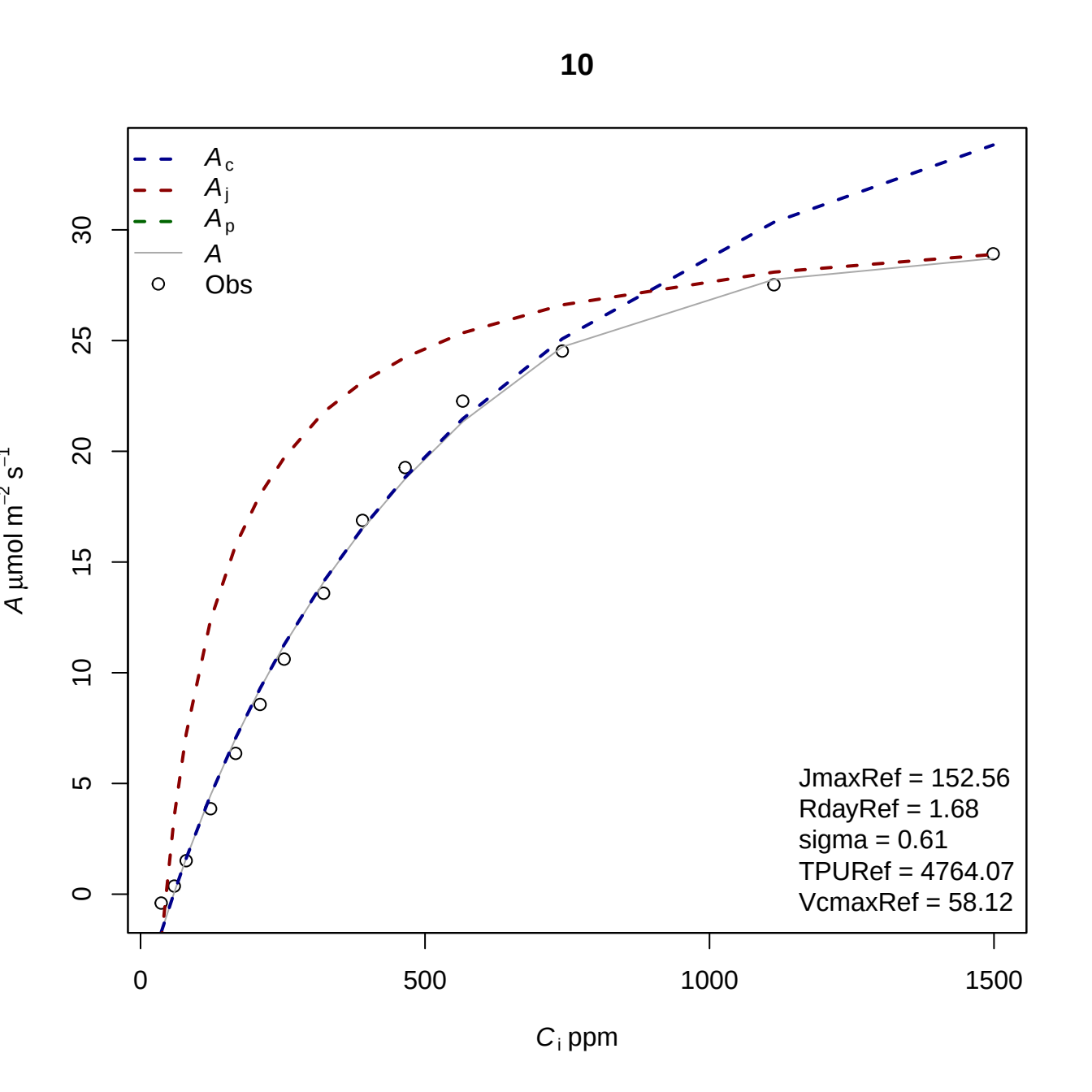

5
A_c
A_j
A_p
A
Obs
JmaxRef = 42918.48
RdayRef = 1.22
sigma = 0.25
TPURef = 20427.3
VcmaxRef = 10.13
0
2
4
6
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

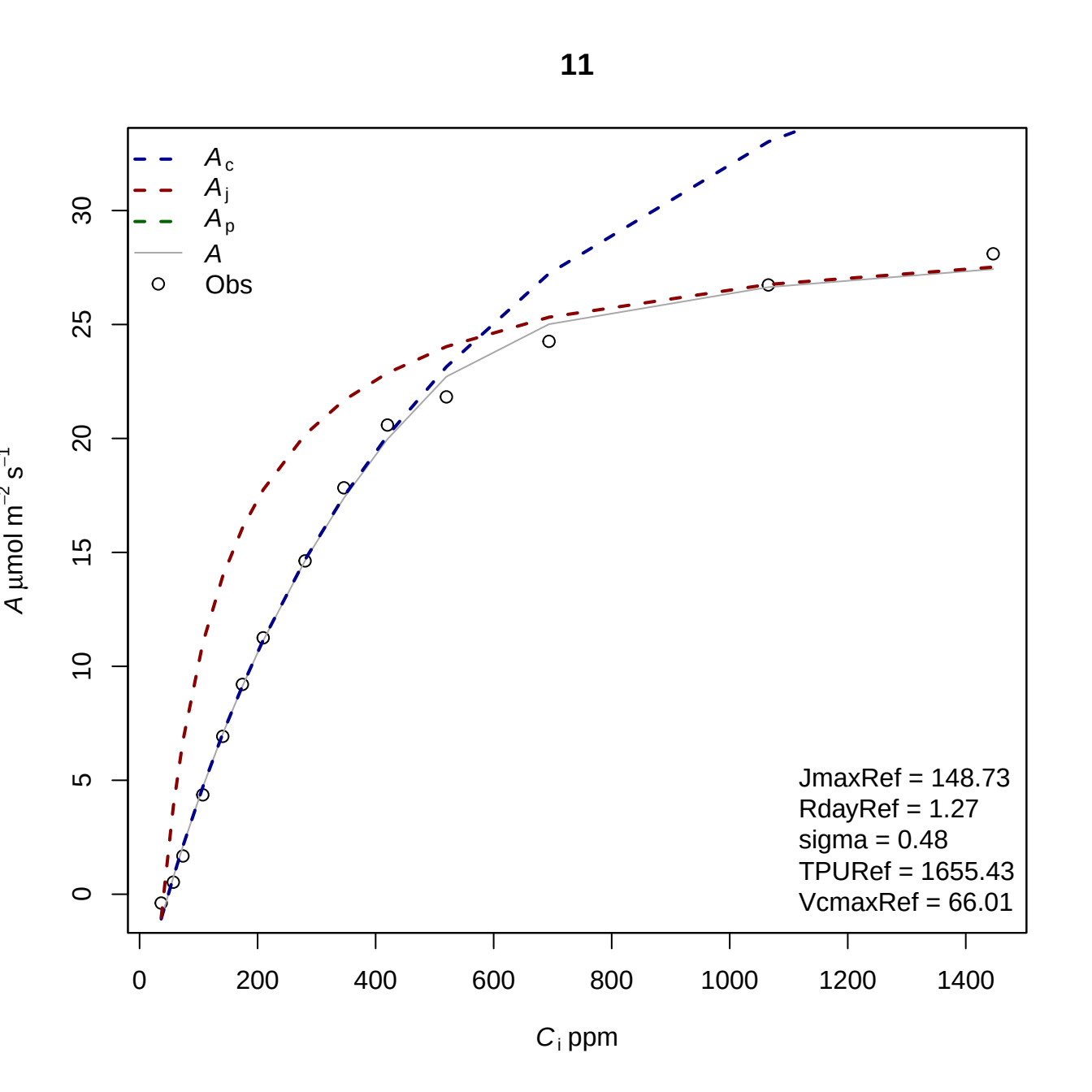

6
A_c
A_j
A_p
A
Obs
JmaxRef = 81.92
RdayRef = 1.75
sigma = 0.34
TPURef = 12593.44
VcmaxRef = 32.77
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
500
1000
1500

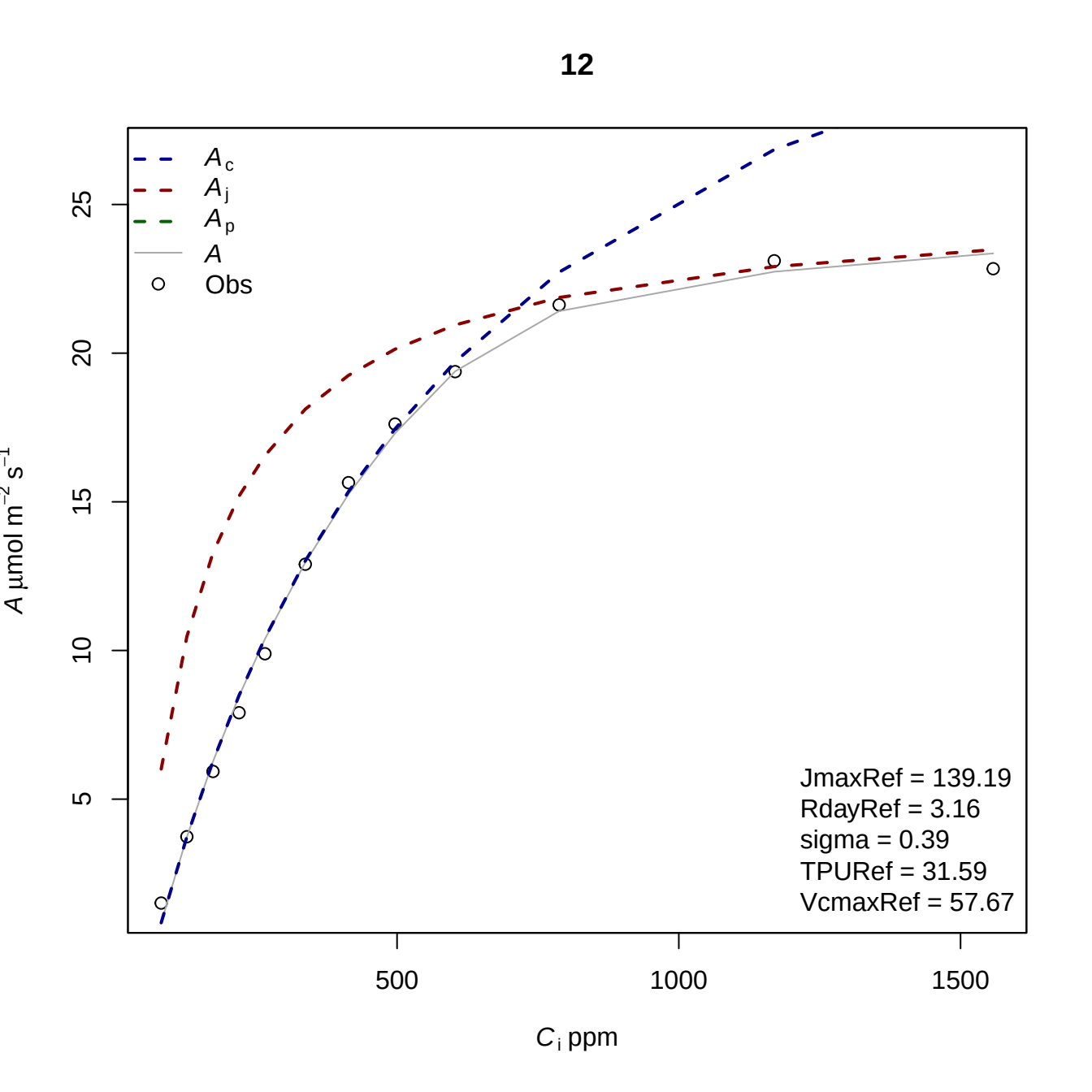

7
A_c
A_j
A_p
A
Obs
JmaxRef = 152.8
RdayRef = −0.05
sigma = 0.21
TPURef = 8.89
VcmaxRef = 79.32
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
500
1000
1500

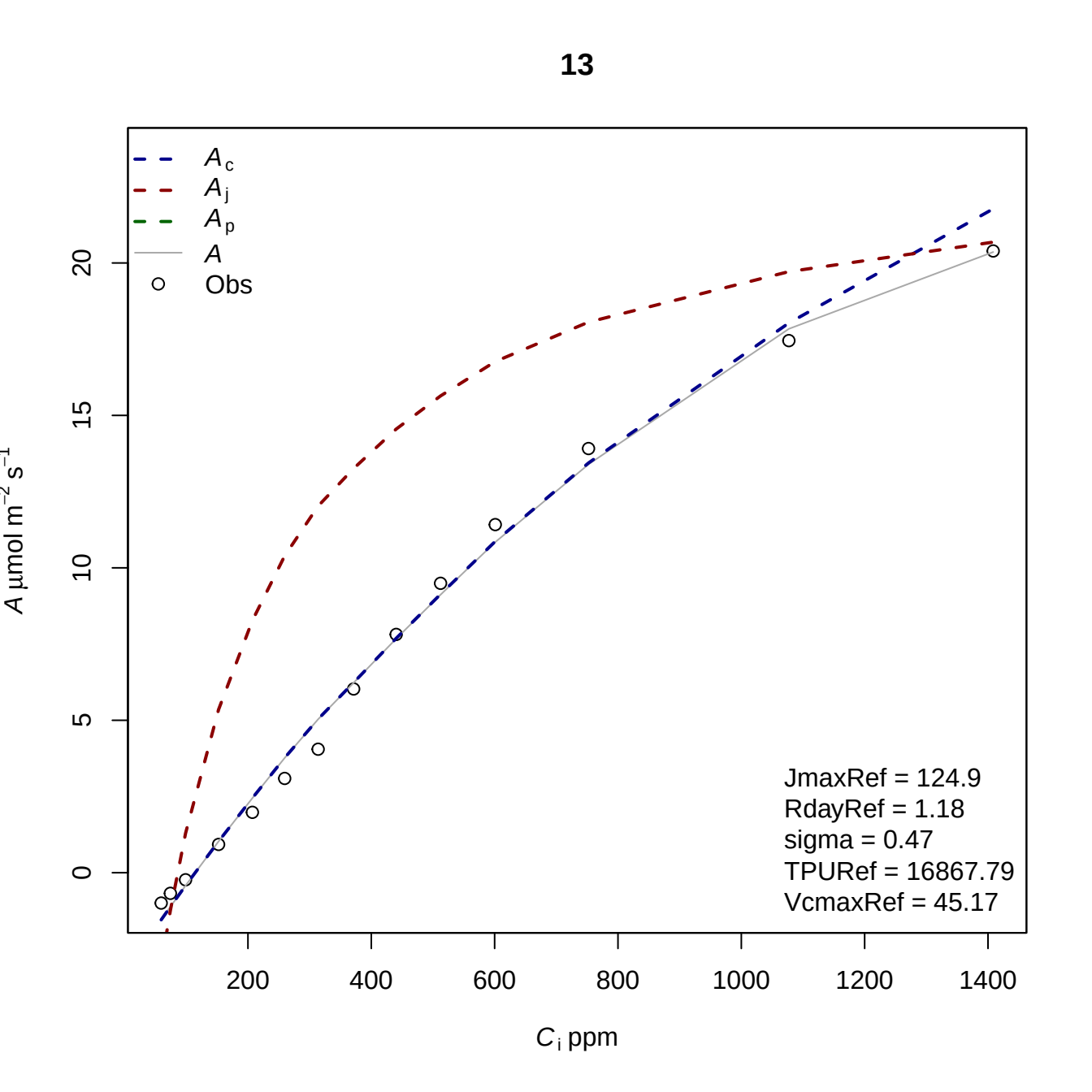

8
A_c
A_j
A_p
A
Obs
JmaxRef = 161.76
RdayRef = 0.69
sigma = 0.17
TPURef = 4044.83
VcmaxRef = 66.68
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000

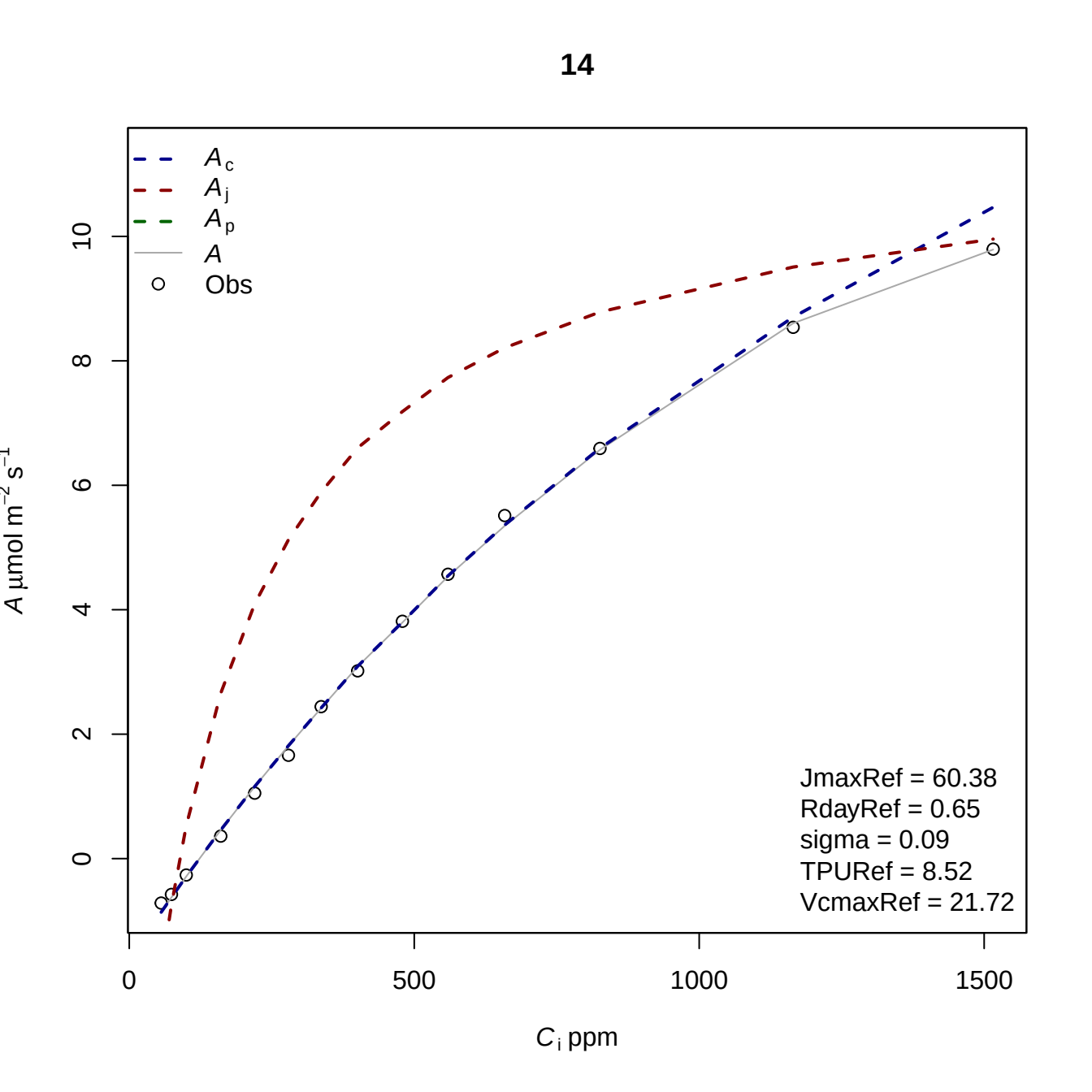

9
A_c
A_j
A_p
A
Obs
JmaxRef = 177.91
RdayRef = 1.87
sigma = 0.76
TPURef = 11473.37
VcmaxRef = 68.71
0
10
20
30
A µmol m^{-2} s^{-1}
0
500
1000
1500
C_i ppm

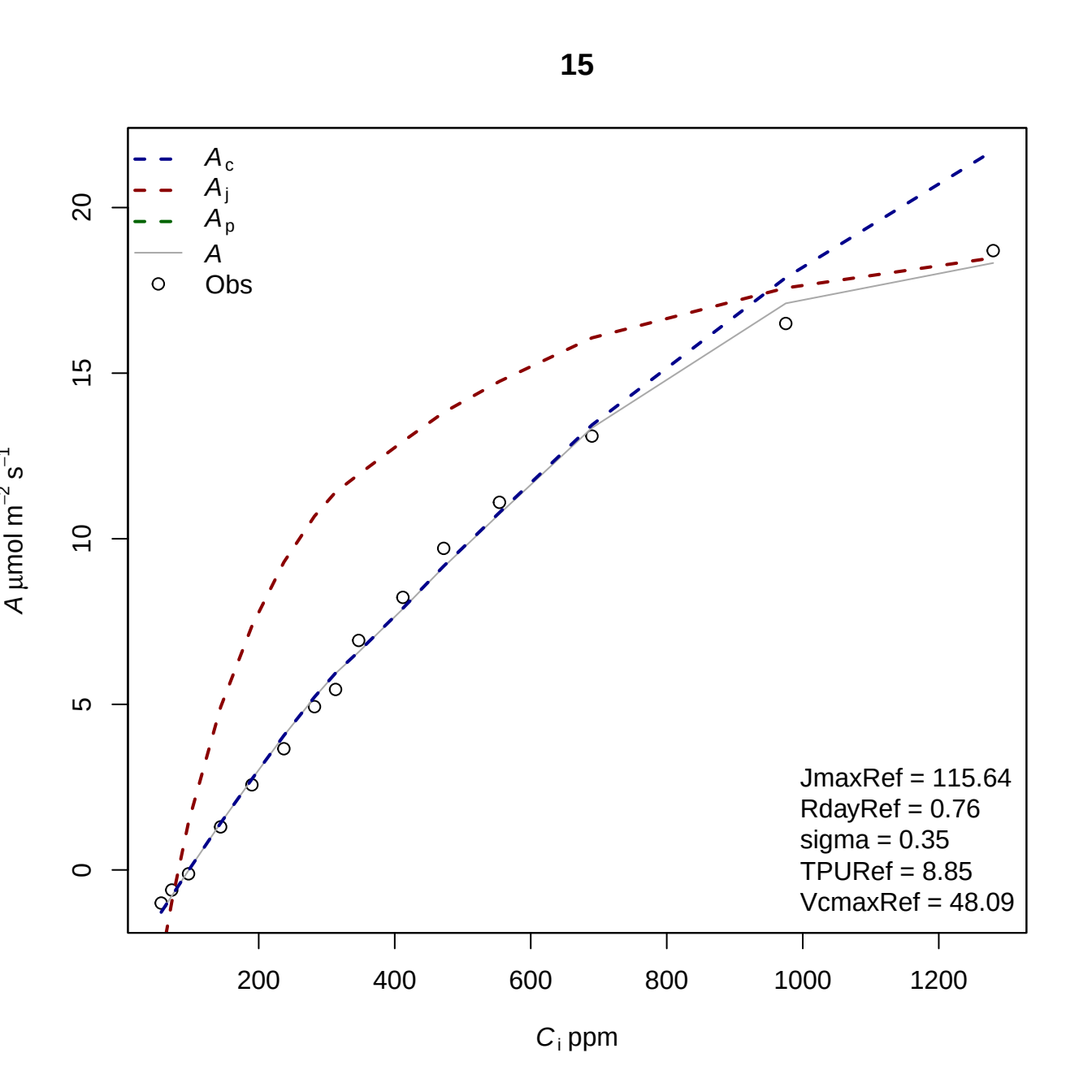

10
A_c
A_j
A_p
A
Obs
JmaxRef = 152.56
RdayRef = 1.68
sigma = 0.61
TPURef = 4764.07
VcmaxRef = 58.12
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

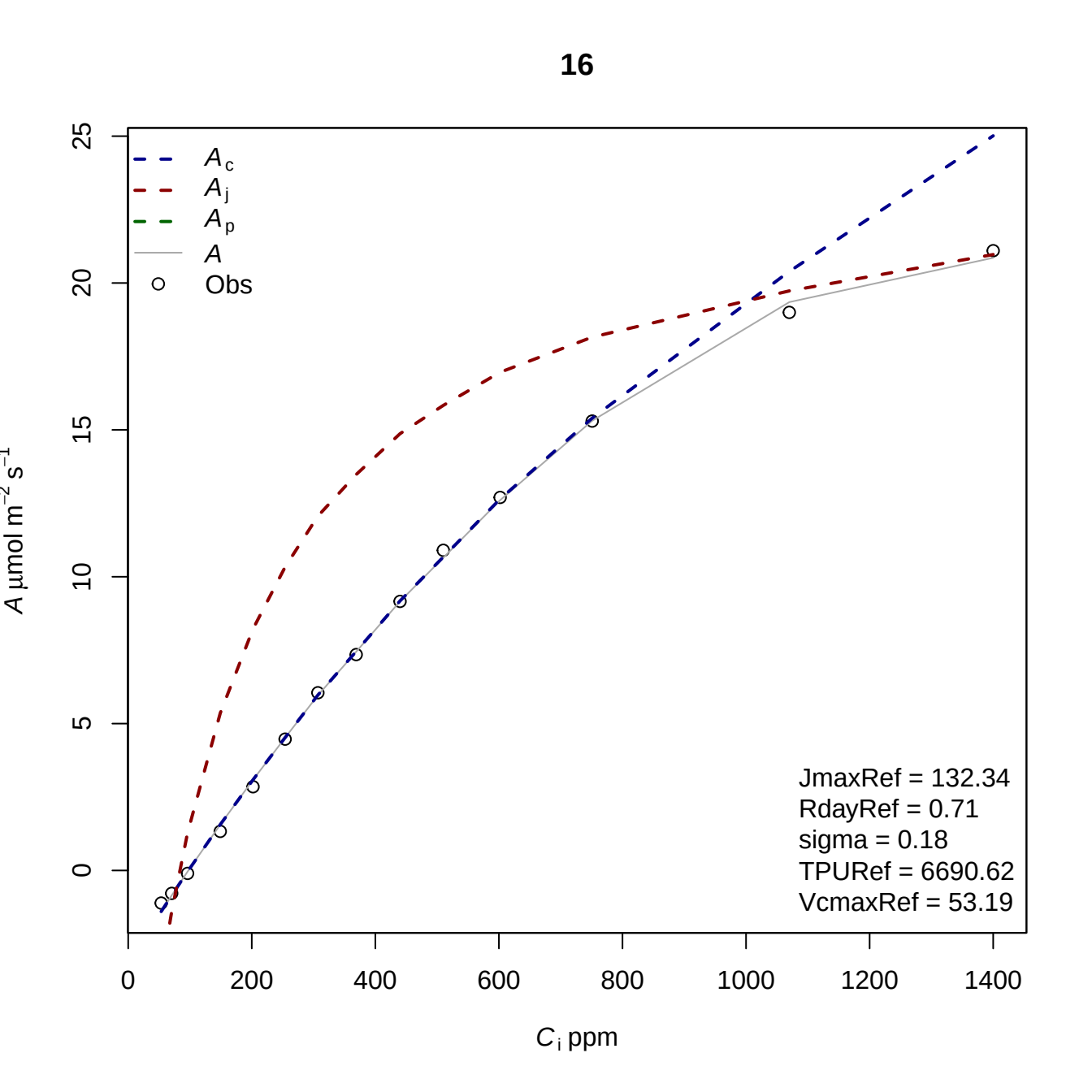

11
A_c
A_j
A_p
A
Obs
JmaxRef = 148.73
RdayRef = 1.27
sigma = 0.48
TPURef = 1655.43
VcmaxRef = 66.01
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

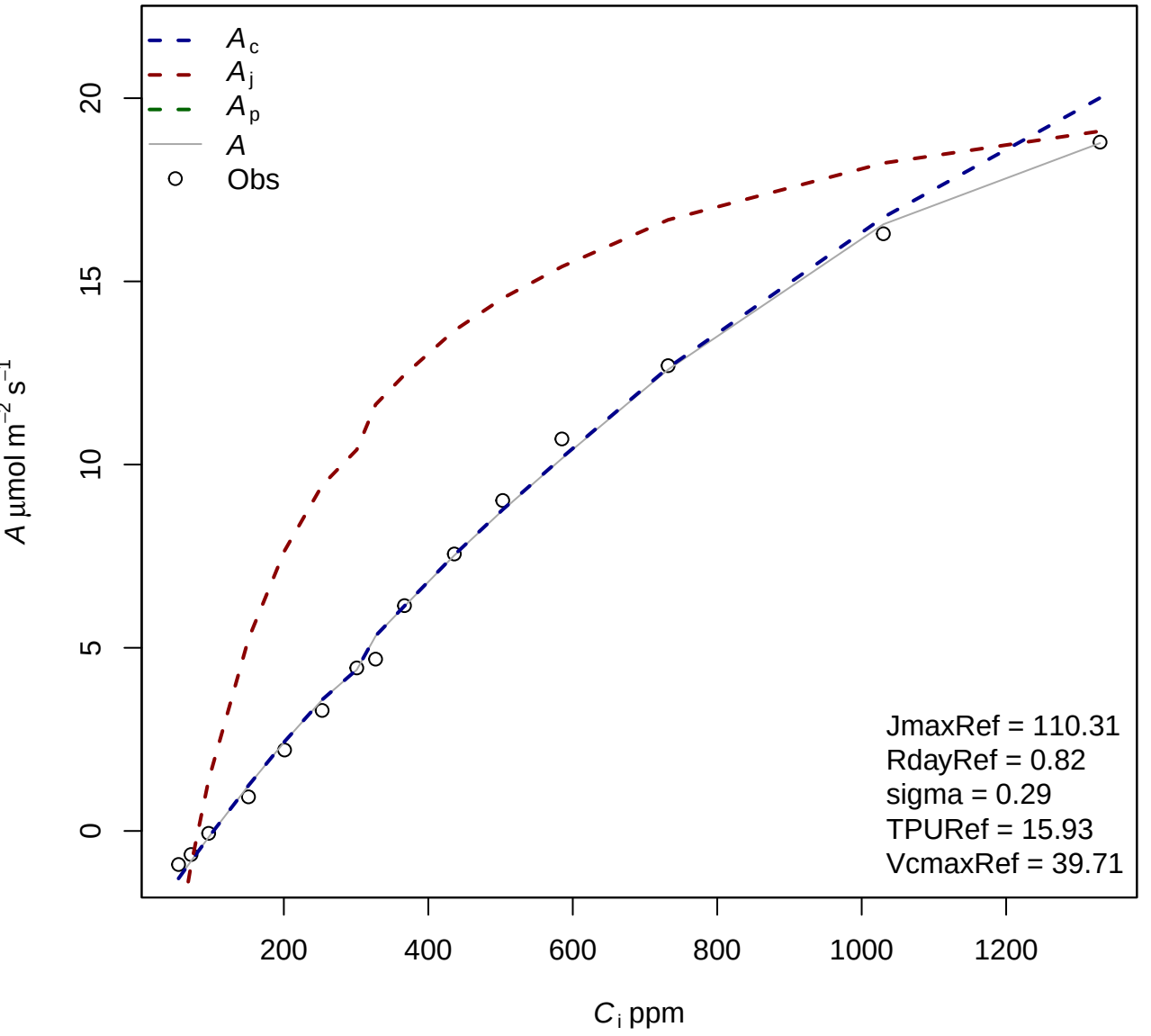

12
A_c
A_j
A_p
A
Obs
JmaxRef = 139.19
RdayRef = 3.16
sigma = 0.39
TPURef = 31.59
VcmaxRef = 57.67
A µmol m^{-2} s^{-1}
C_i ppm
5
10
15
20
25
500
1000
1500

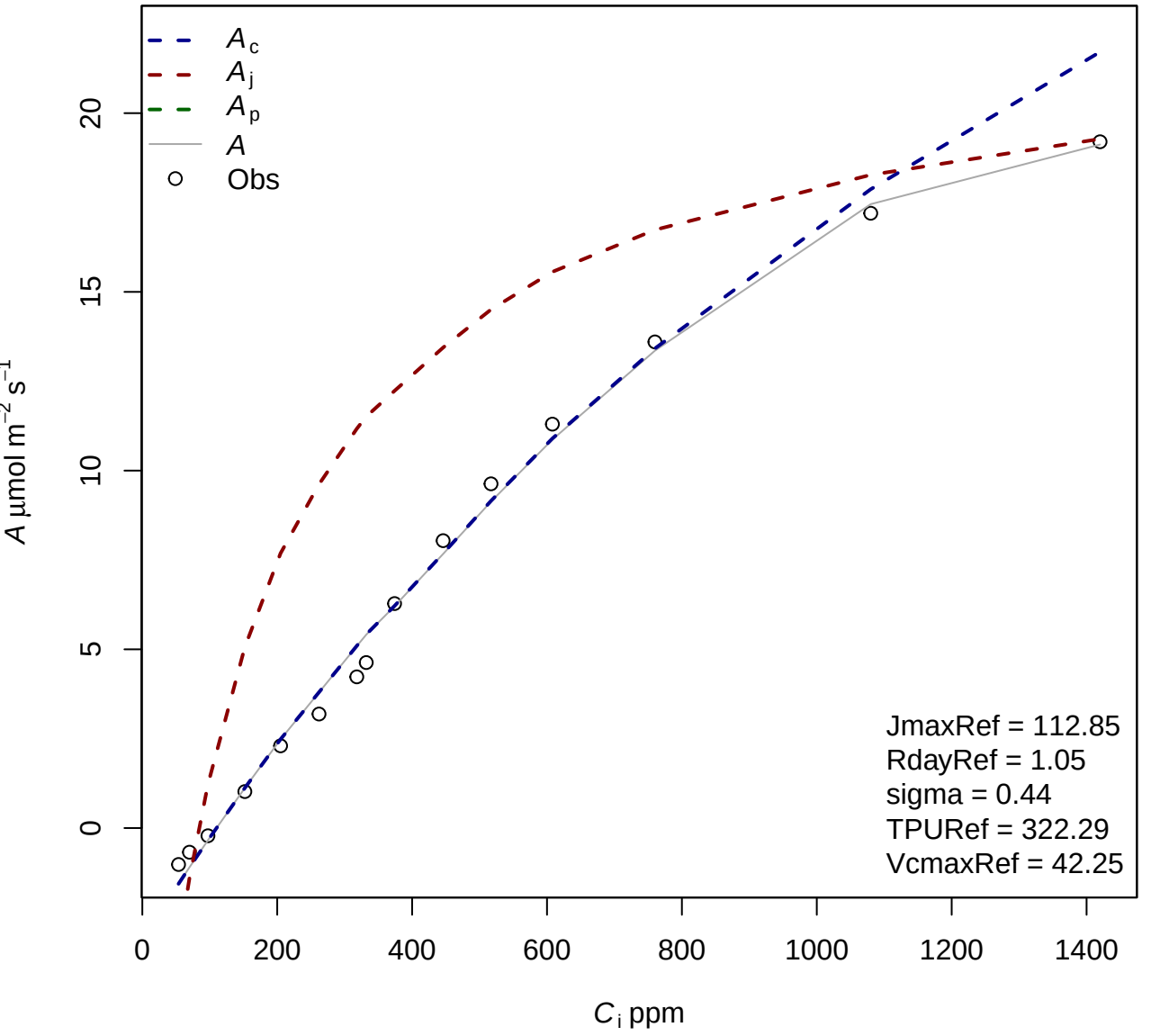

13
A_c
A_j
A_p
A
Obs
JmaxRef = 124.9
RdayRef = 1.18
sigma = 0.47
TPURef = 16867.79
VcmaxRef = 45.17
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200
1400

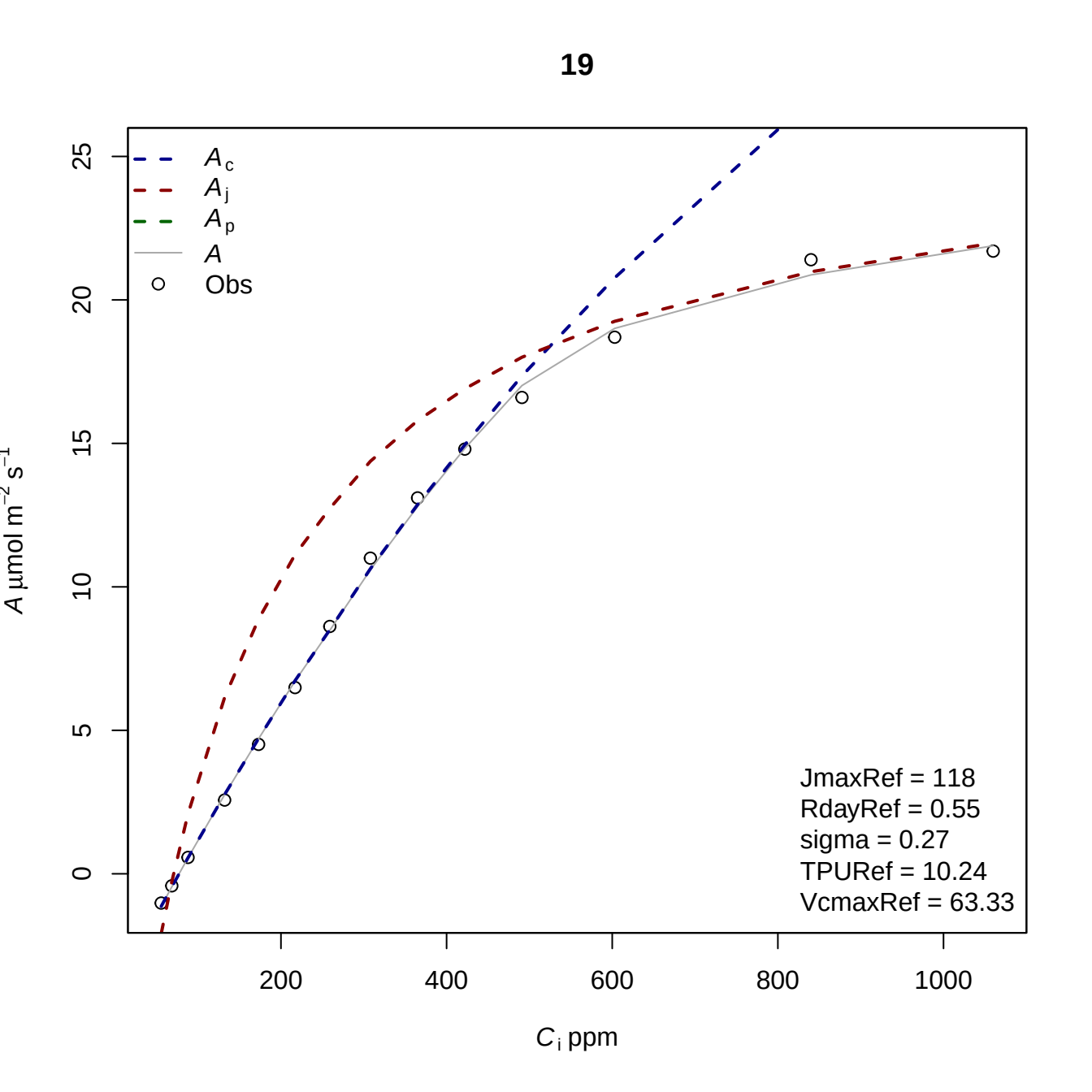

14
A_c
A_j
A_p
A
Obs
JmaxRef = 60.38
RdayRef = 0.65
sigma = 0.09
TPURef = 8.52
VcmaxRef = 21.72
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
0
500
1000
1500


15
A_c
A_j
A_p
A
Obs
JmaxRef = 115.64
RdayRef = 0.76
sigma = 0.35
TPURef = 8.85
VcmaxRef = 48.09
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

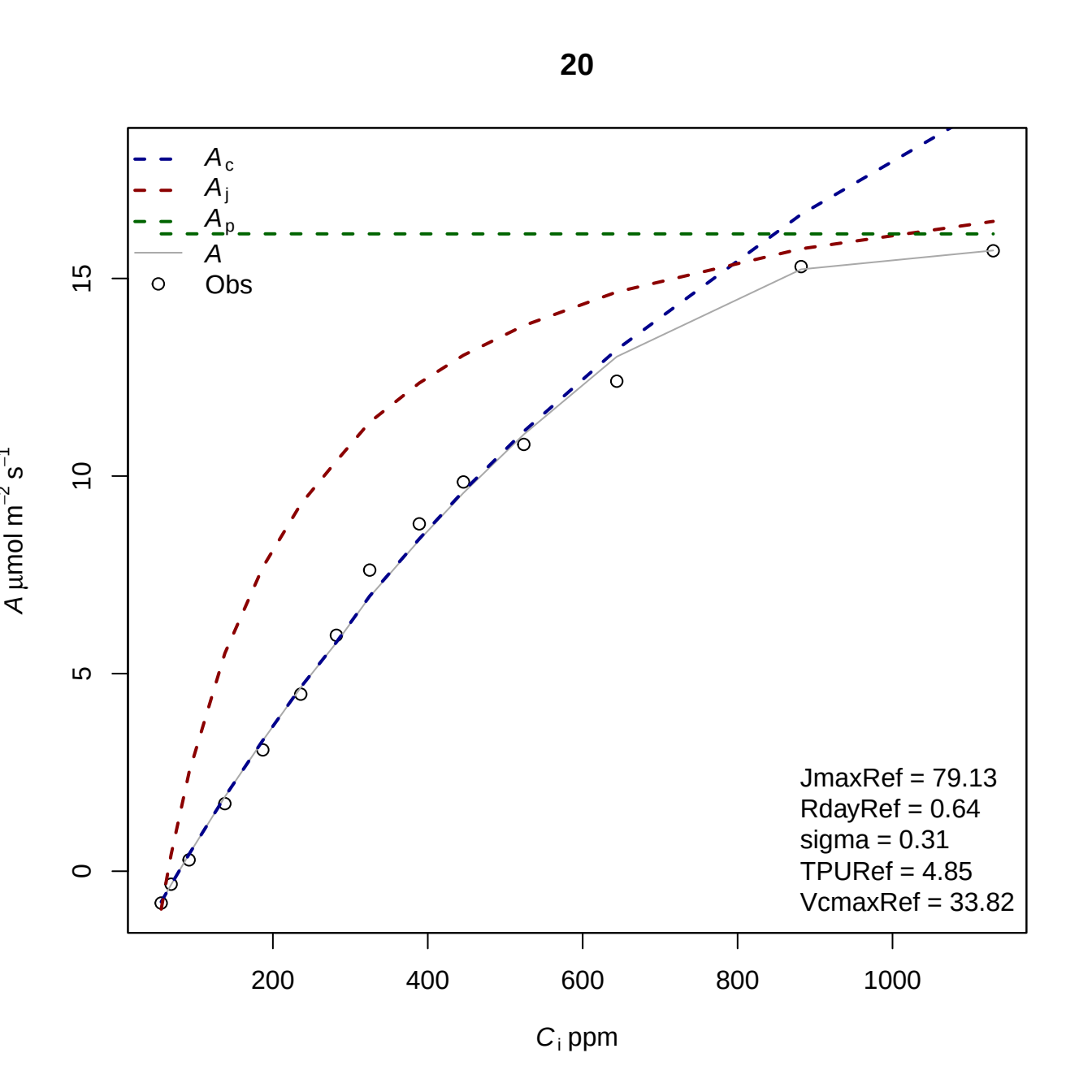

16
A_c
A_j
A_p
A
Obs
JmaxRef = 132.34
RdayRef = 0.71
sigma = 0.18
TPURef = 6690.62
VcmaxRef = 53.19
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

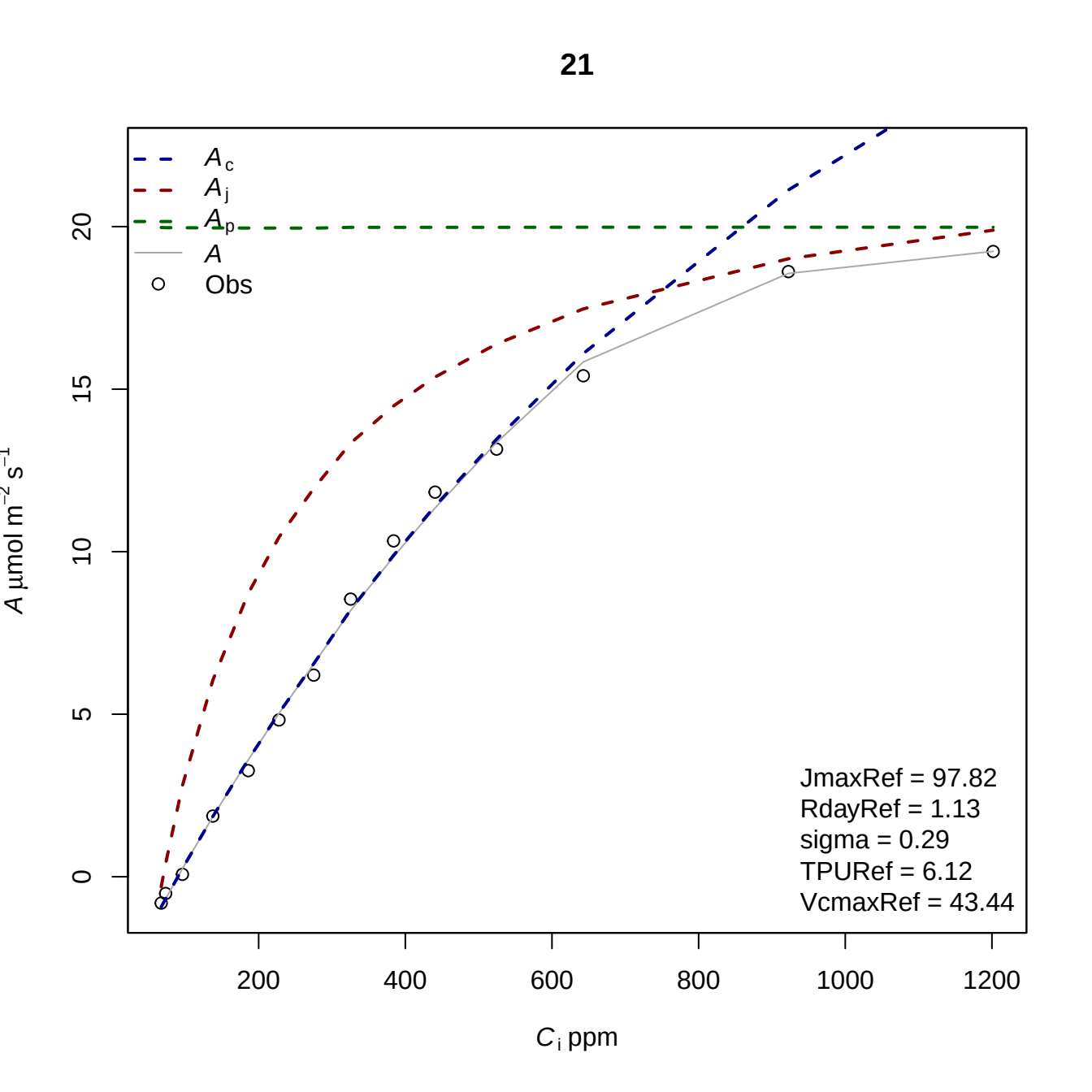

A_c
A_j
A_p
A
Obs
A µmol m^{-2} s^{-1}
0
5
10
15
20
200
400
600
800
1000
1200
C_i ppm
JmaxRef = 110.31
RdayRef = 0.82
sigma = 0.29
TPURef = 15.93
VcmaxRef = 39.71

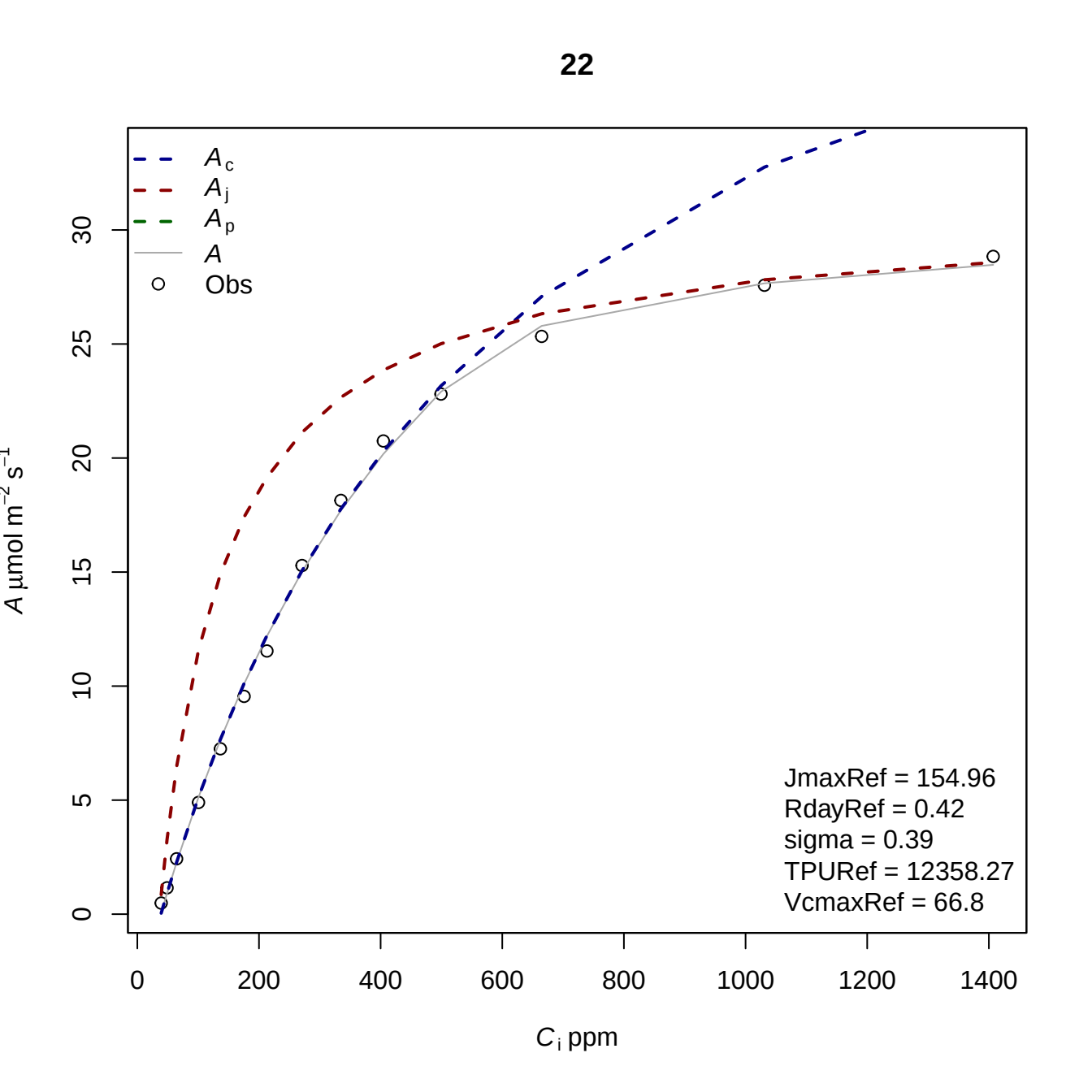

A_c
A_j
A_p
A
Obs
JmaxRef = 112.85
RdayRef = 1.05
sigma = 0.44
TPURef = 322.29
VcmaxRef = 42.25
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

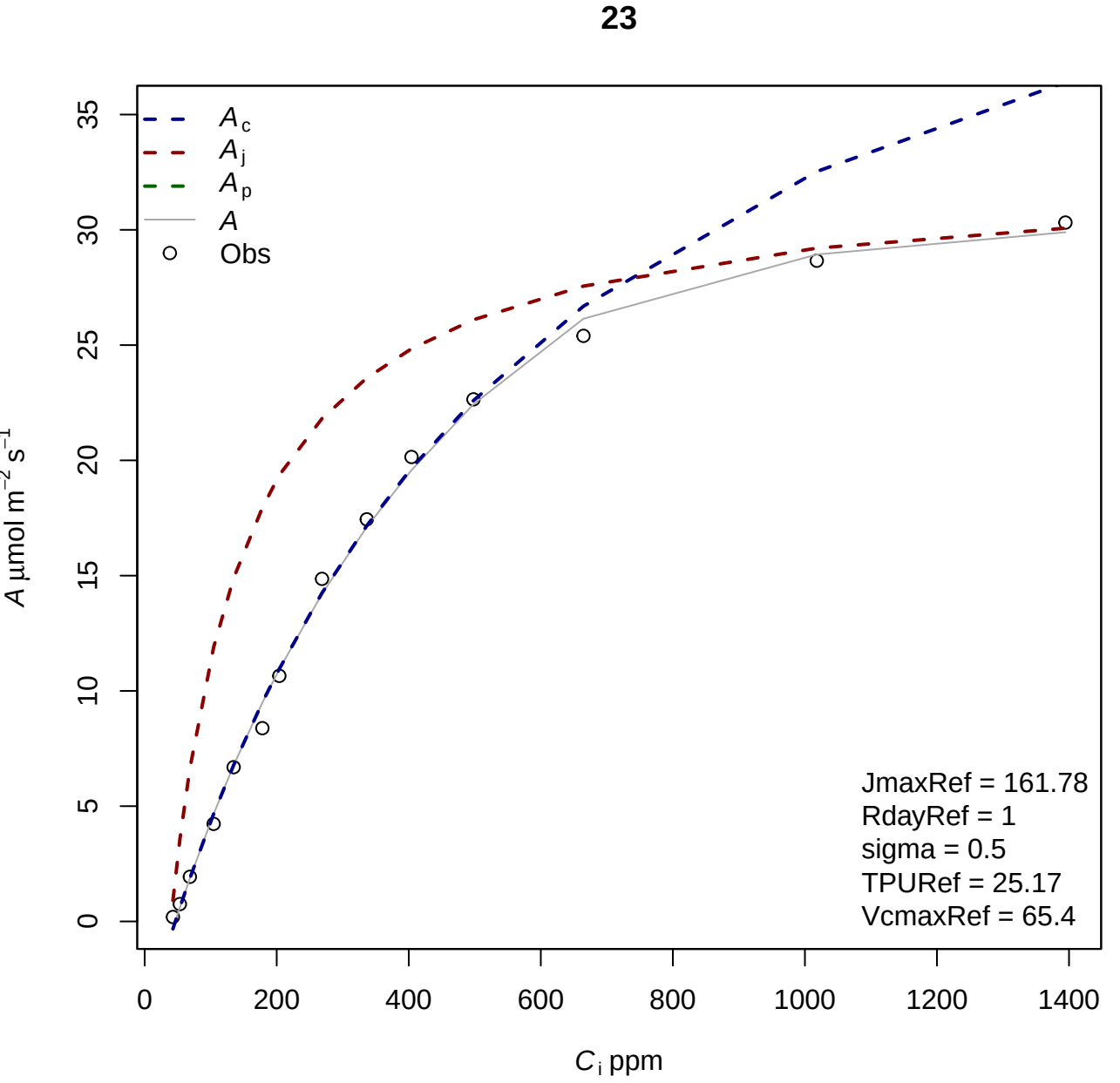


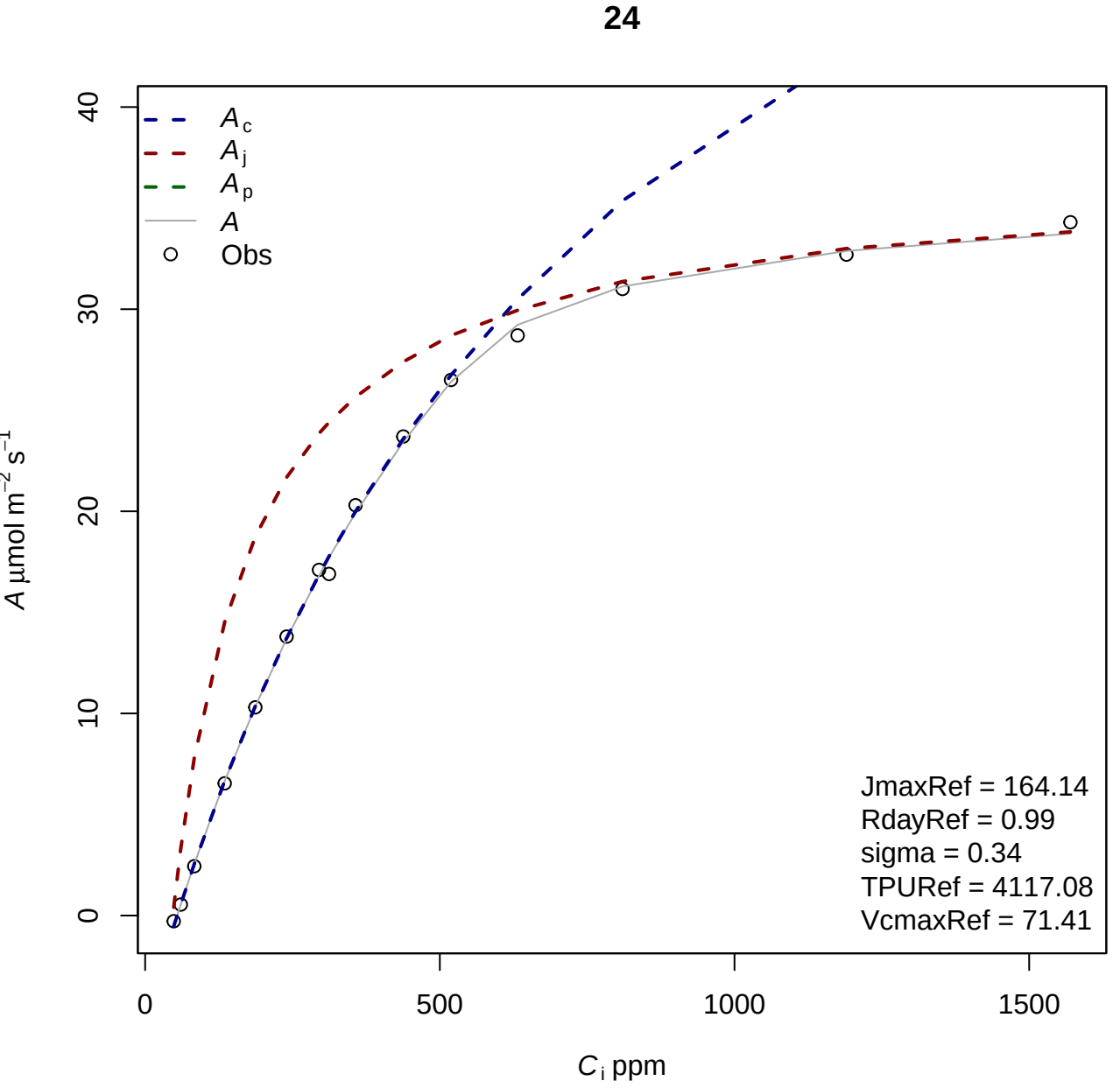
19
A_c
A_j
A_p
A
Obs
JmaxRef = 118
RdayRef = 0.55
sigma = 0.27
TPURef = 10.24
VcmaxRef = 63.33
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

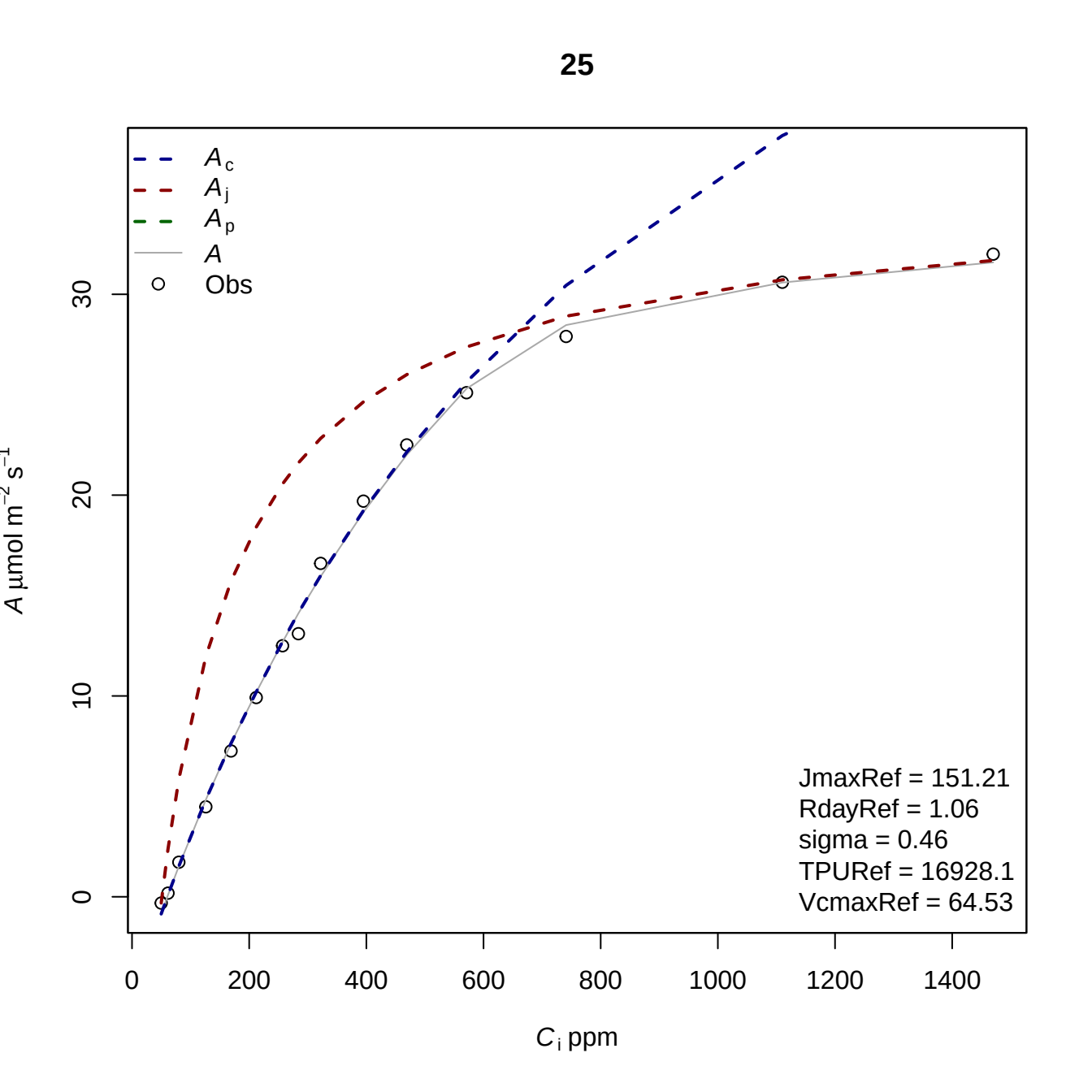

20
A_c
A_j
A_p
A
Obs
JmaxRef = 79.13
RdayRef = 0.64
sigma = 0.31
TPURef = 4.85
VcmaxRef = 33.82
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
200
400
600
800
1000

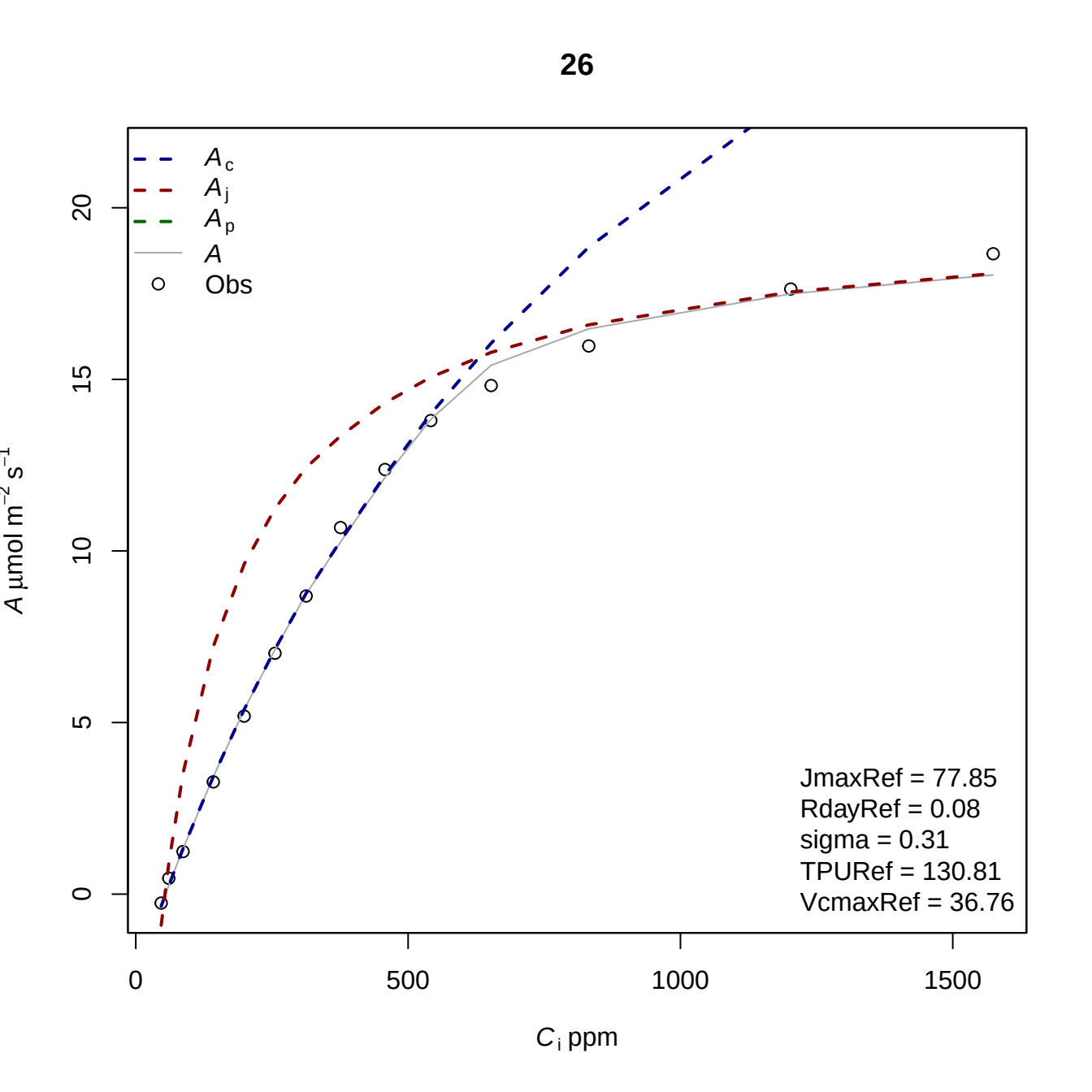

21
A_c
A_j
A_p
A
Obs
JmaxRef = 97.82
RdayRef = 1.13
sigma = 0.29
TPURef = 6.12
VcmaxRef = 43.44
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

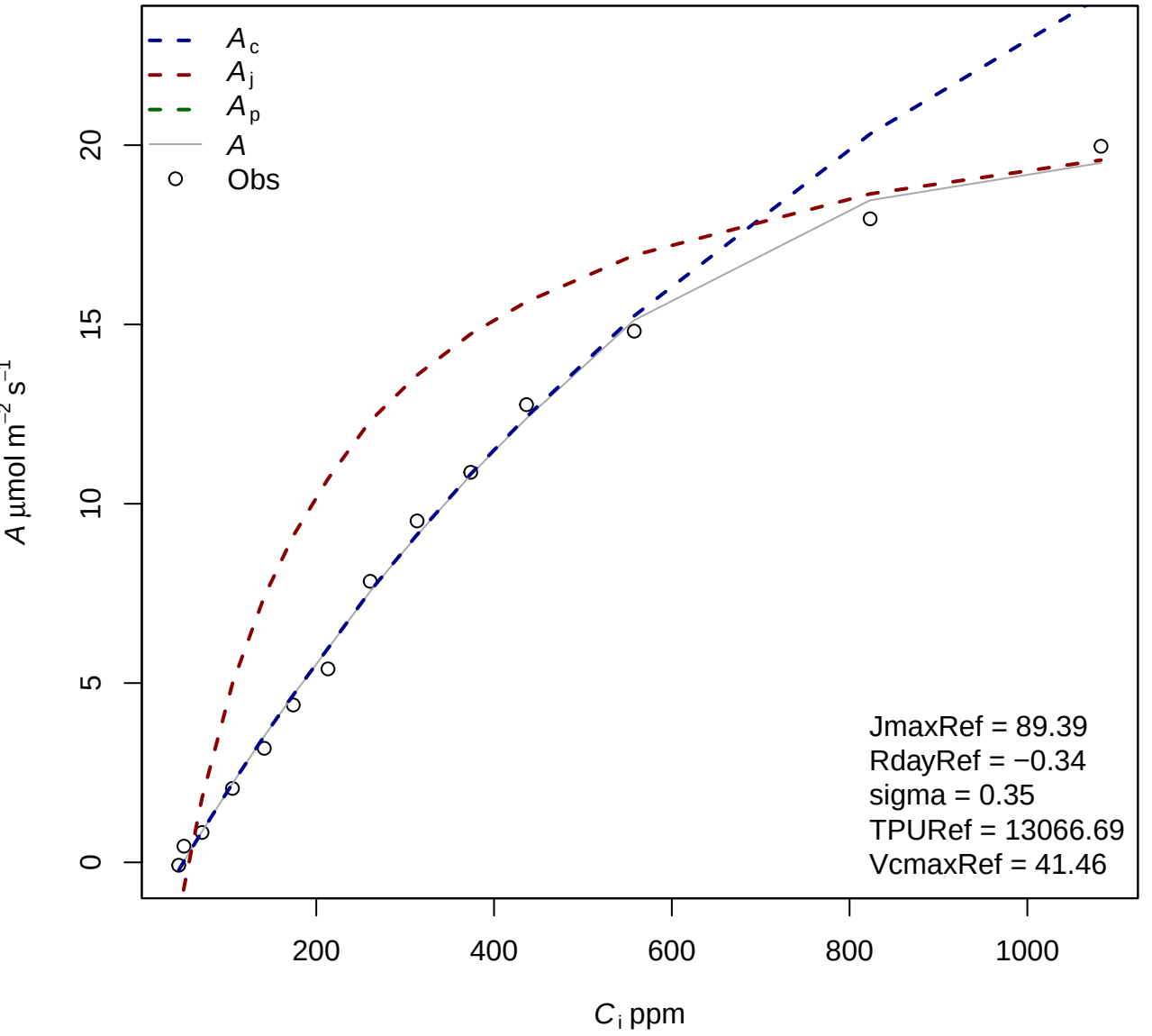

22
A_c
A_j
A_p
A
Obs
JmaxRef = 154.96
RdayRef = 0.42
sigma = 0.39
TPURef = 12358.27
VcmaxRef = 66.8
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

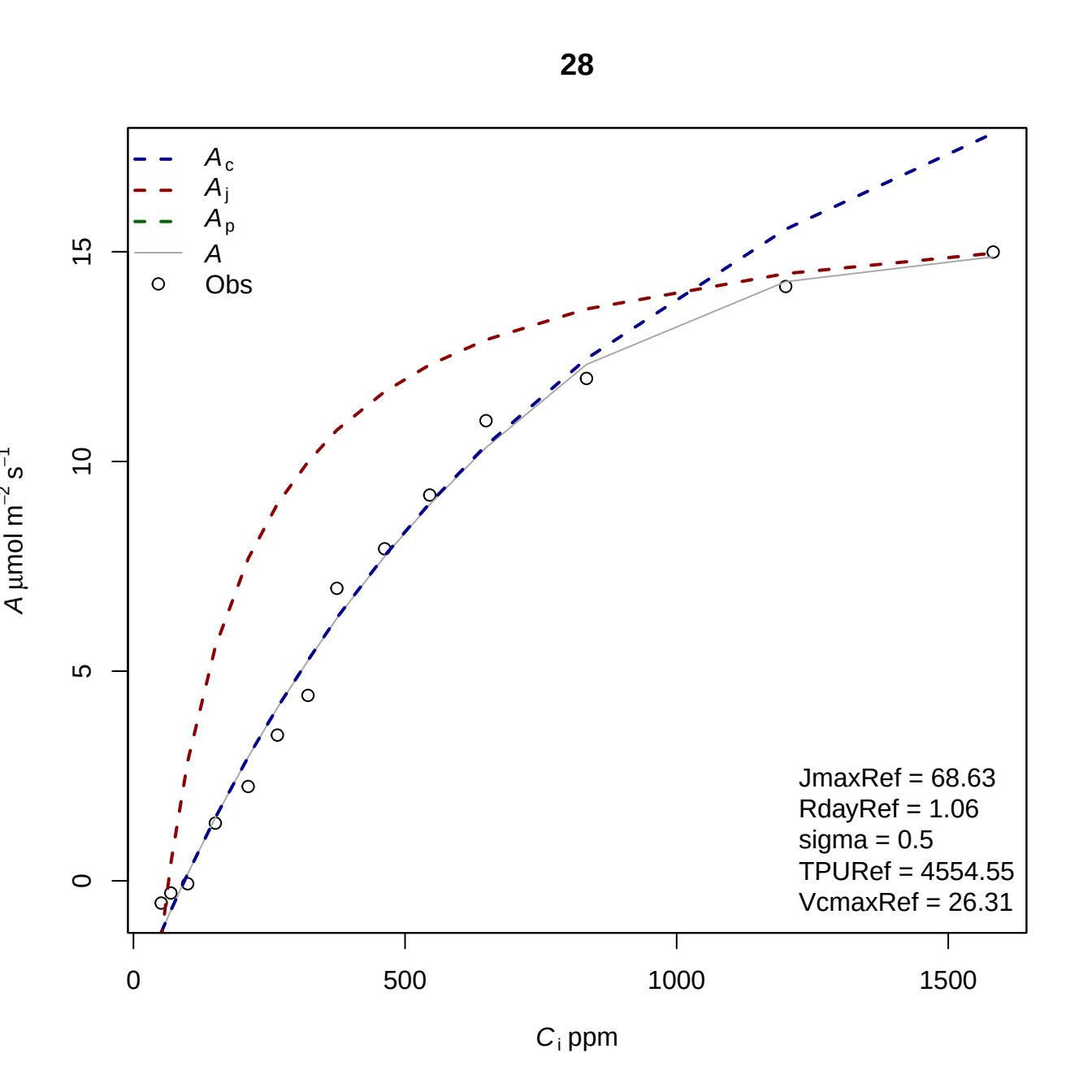

23
A_c
A_j
A_p
A
Obs
JmaxRef = 161.78
RdayRef = 1
sigma = 0.5
TPURef = 25.17
VcmaxRef = 65.4
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400

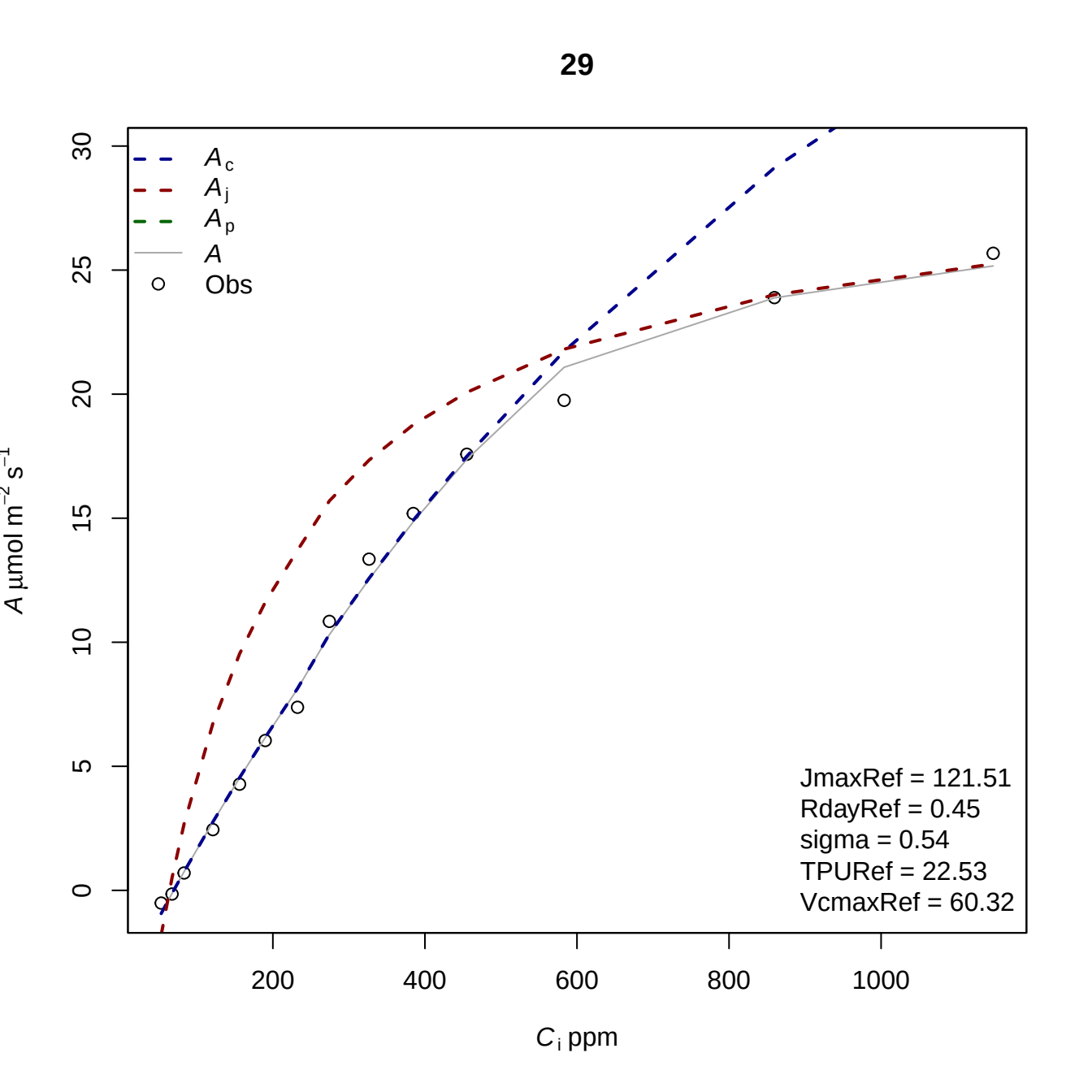

24
A_c
A_j
A_p
A
Obs
JmaxRef = 164.14
RdayRef = 0.99
sigma = 0.34
TPURef = 4117.08
VcmaxRef = 71.41
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500


25
A_c
A_j
A_p
A
Obs
JmaxRef = 151.21
RdayRef = 1.06
sigma = 0.46
TPURef = 16928.1
VcmaxRef = 64.53
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

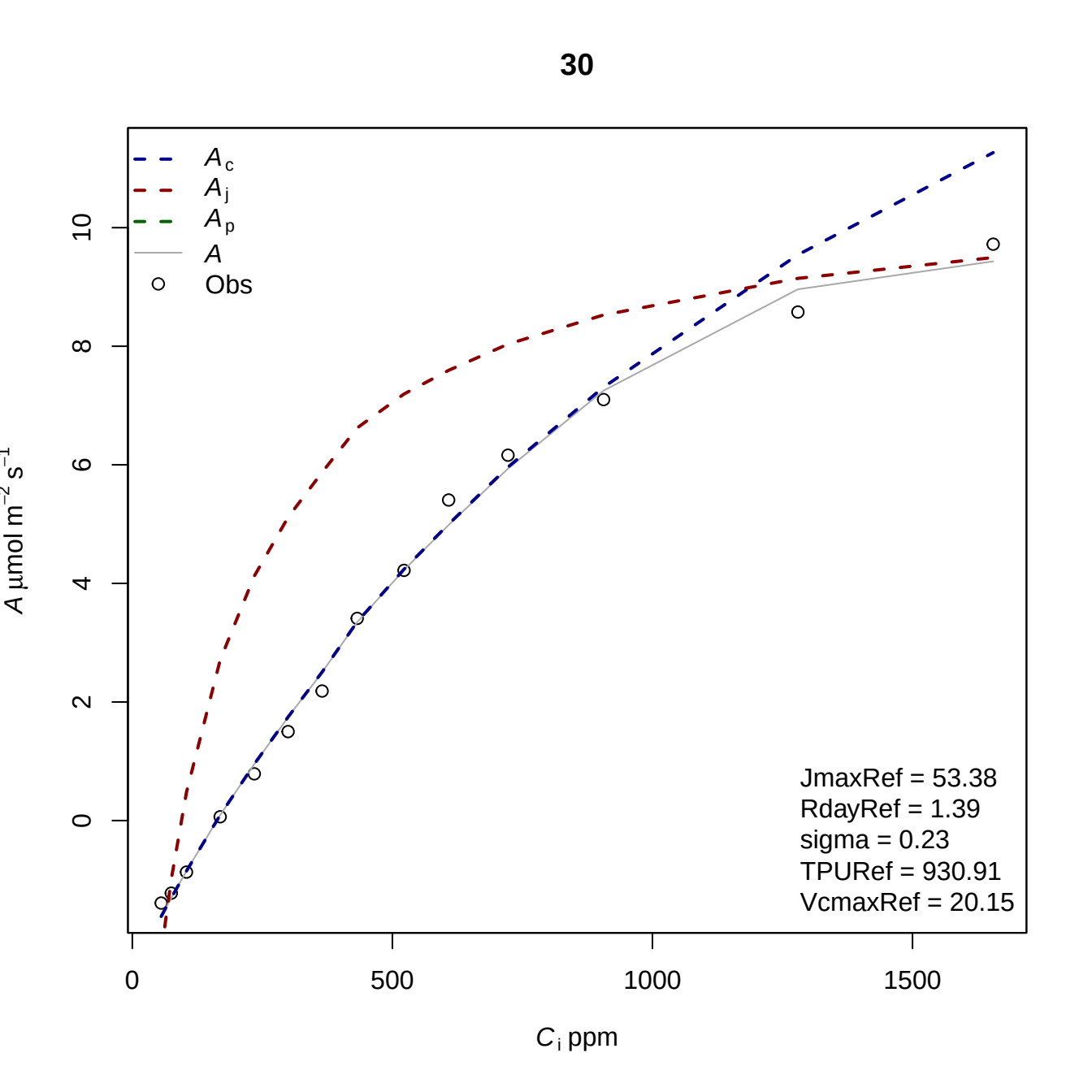

26
A_c
A_j
A_p
A
Obs
JmaxRef = 77.85
RdayRef = 0.08
sigma = 0.31
TPURef = 130.81
VcmaxRef = 36.76
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

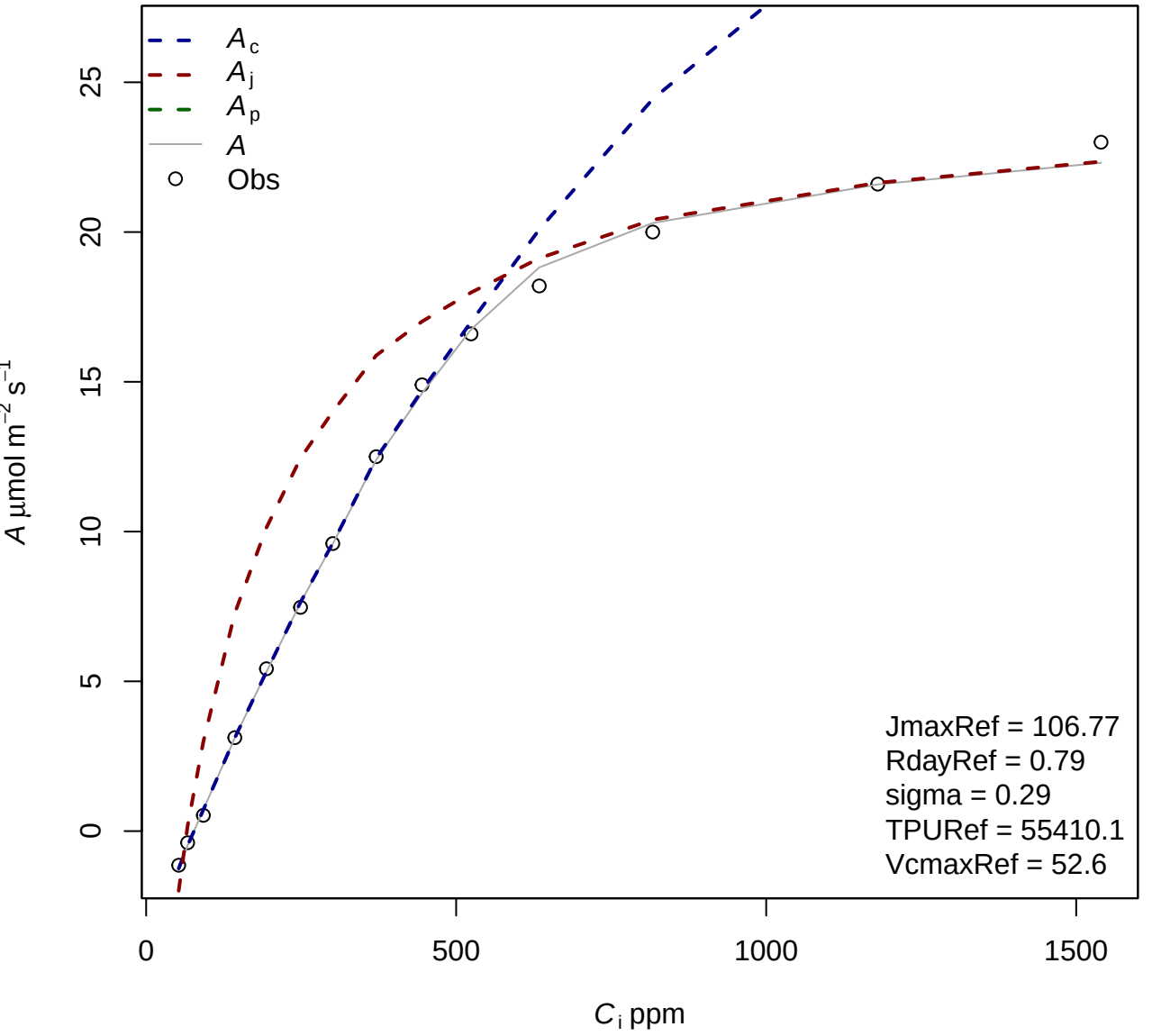

A_c
A_j
A_p
A
Obs
JmaxRef = 89.39
RdayRef = −0.34
sigma = 0.35
TPURef = 13066.69
VcmaxRef = 41.46
0
5
10
15
20
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

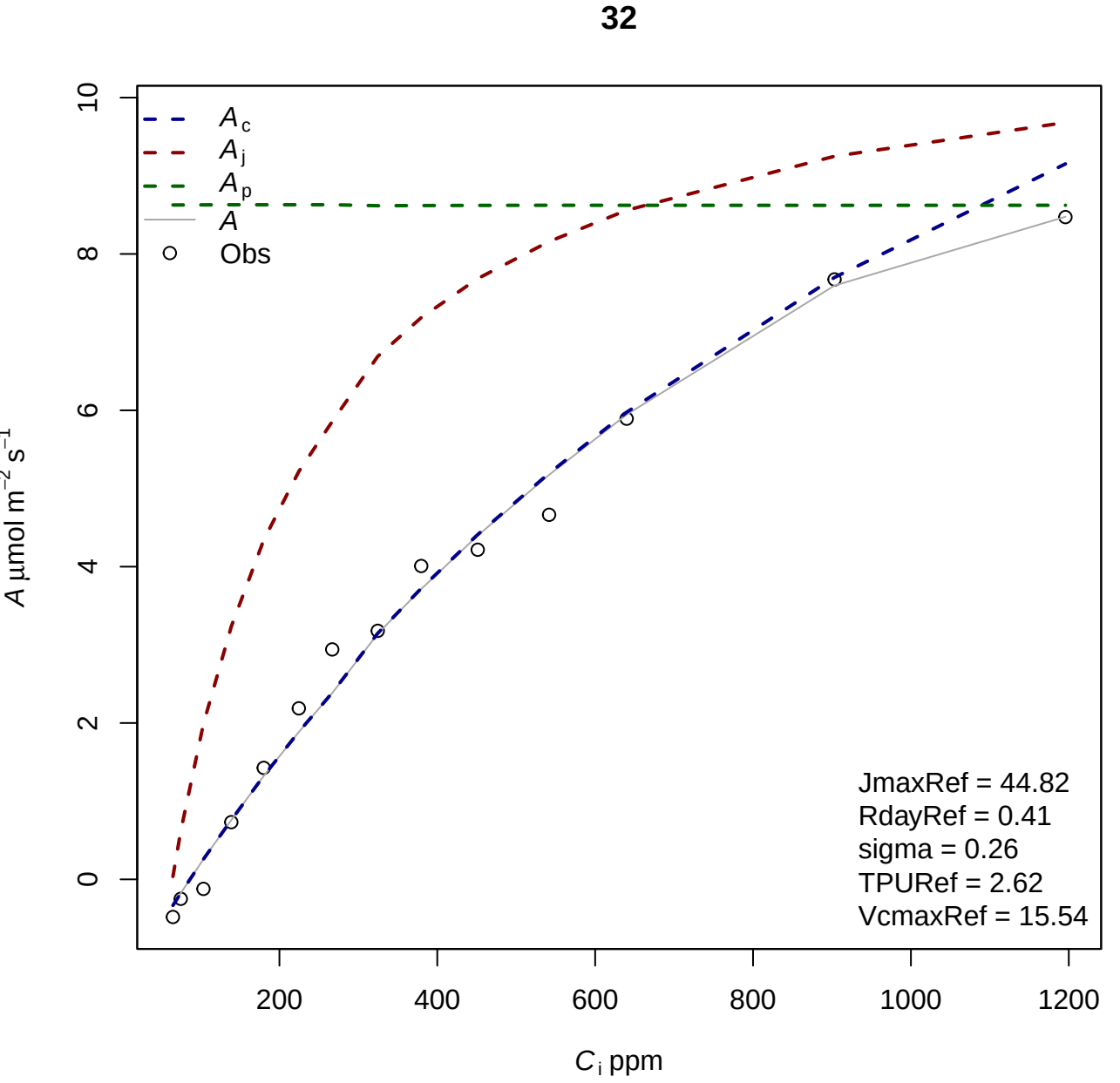

28
A_c
A_j
A_p
A
Obs
JmaxRef = 68.63
RdayRef = 1.06
sigma = 0.5
TPURef = 4554.55
VcmaxRef = 26.31
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
500
1000
1500

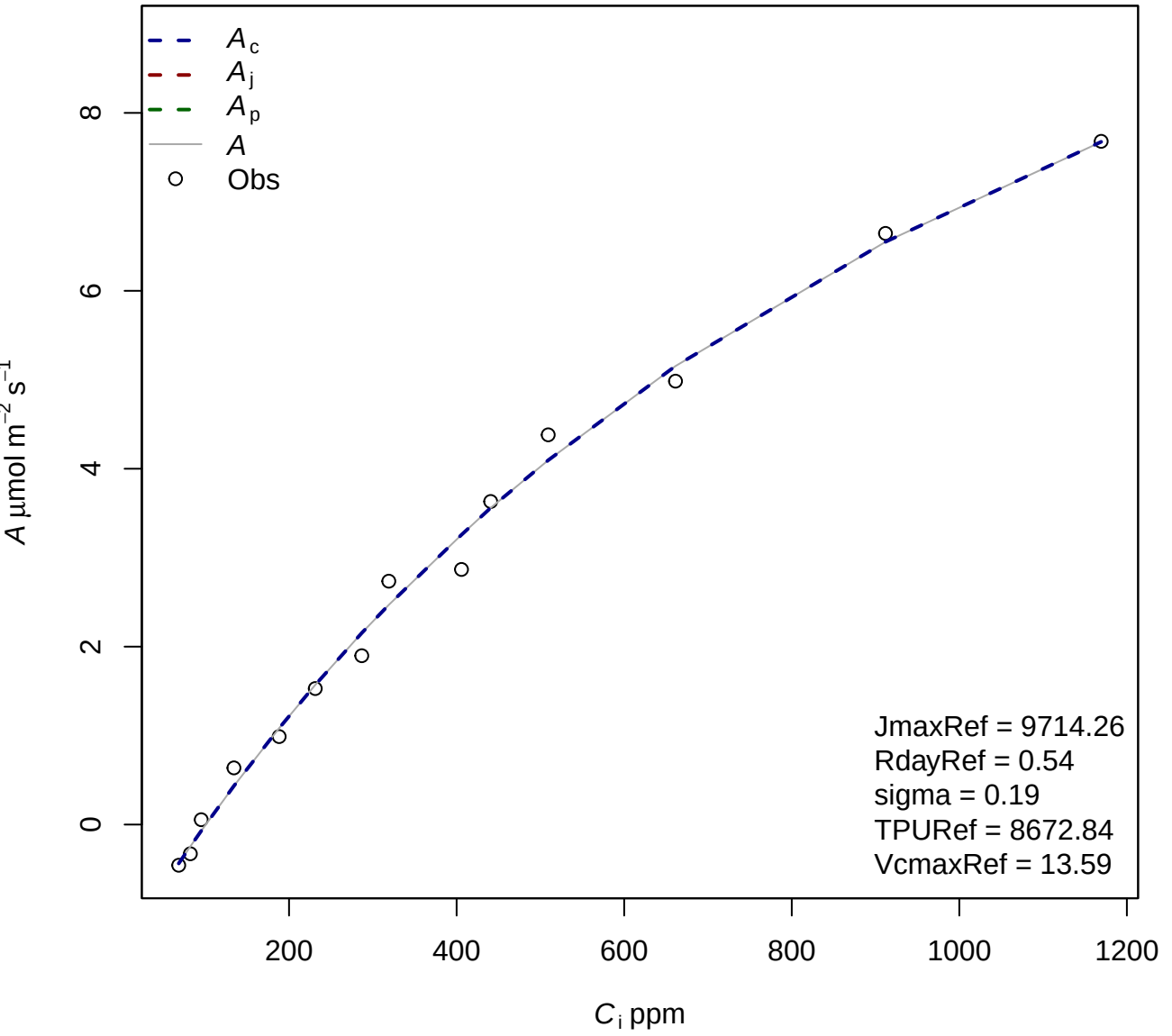


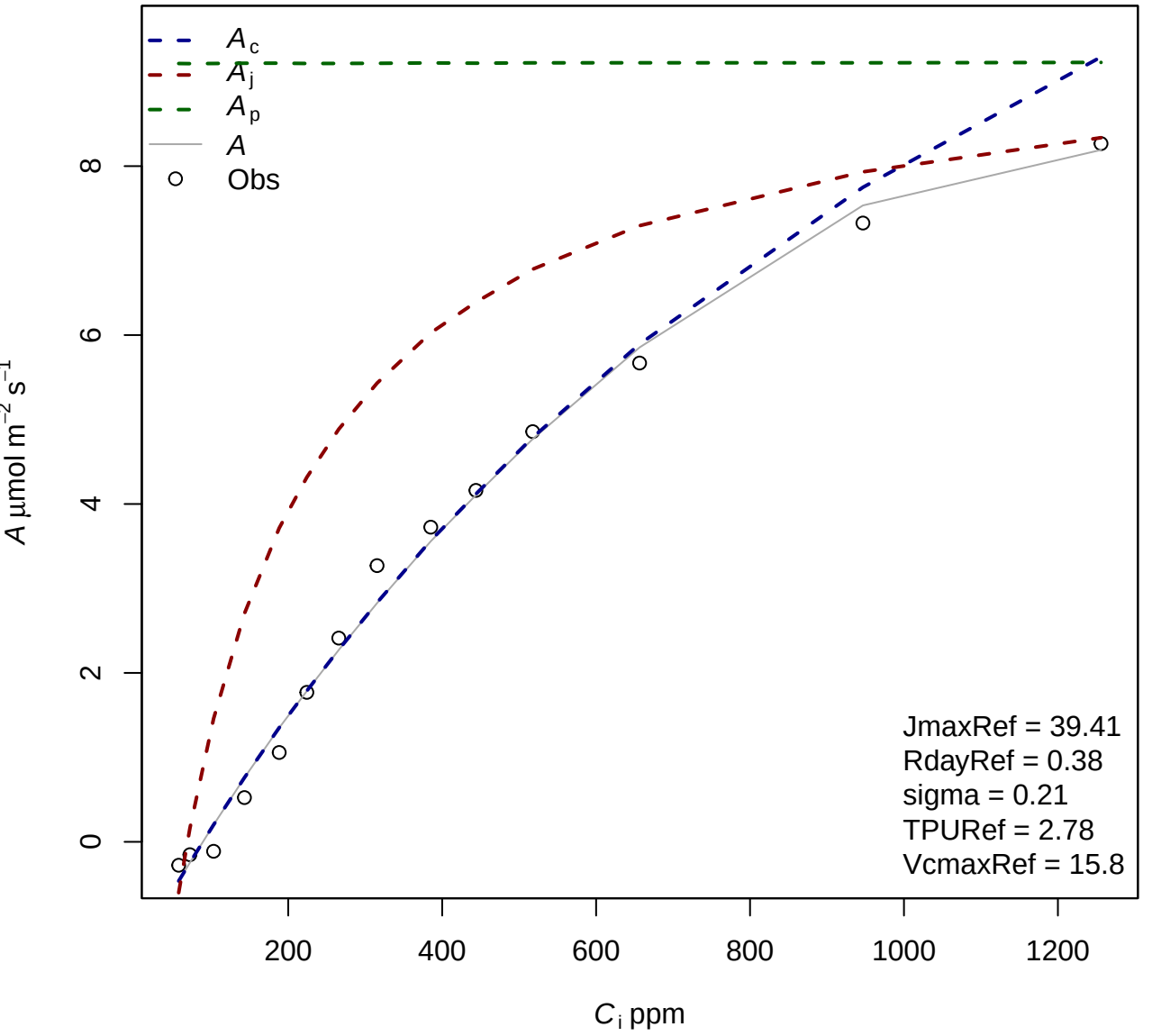
29
A_c
A_j
A_p
A
Obs
JmaxRef = 121.51
RdayRef = 0.45
sigma = 0.54
TPURef = 22.53
VcmaxRef = 60.32
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000

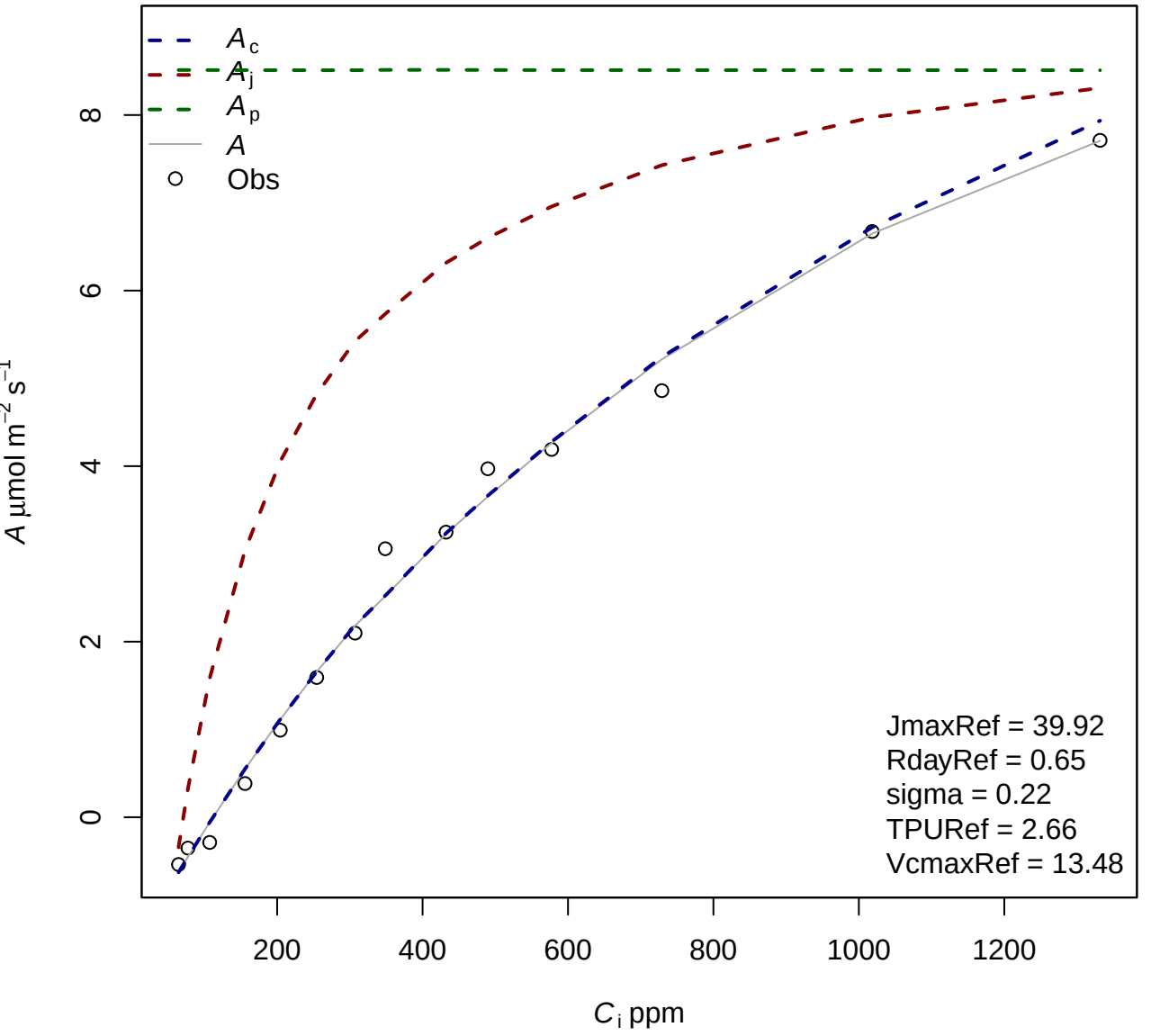

30
A_c
A_j
A_p
A
Obs
JmaxRef = 53.38
RdayRef = 1.39
sigma = 0.23
TPURef = 930.91
VcmaxRef = 20.15
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
0
500
1000
1500

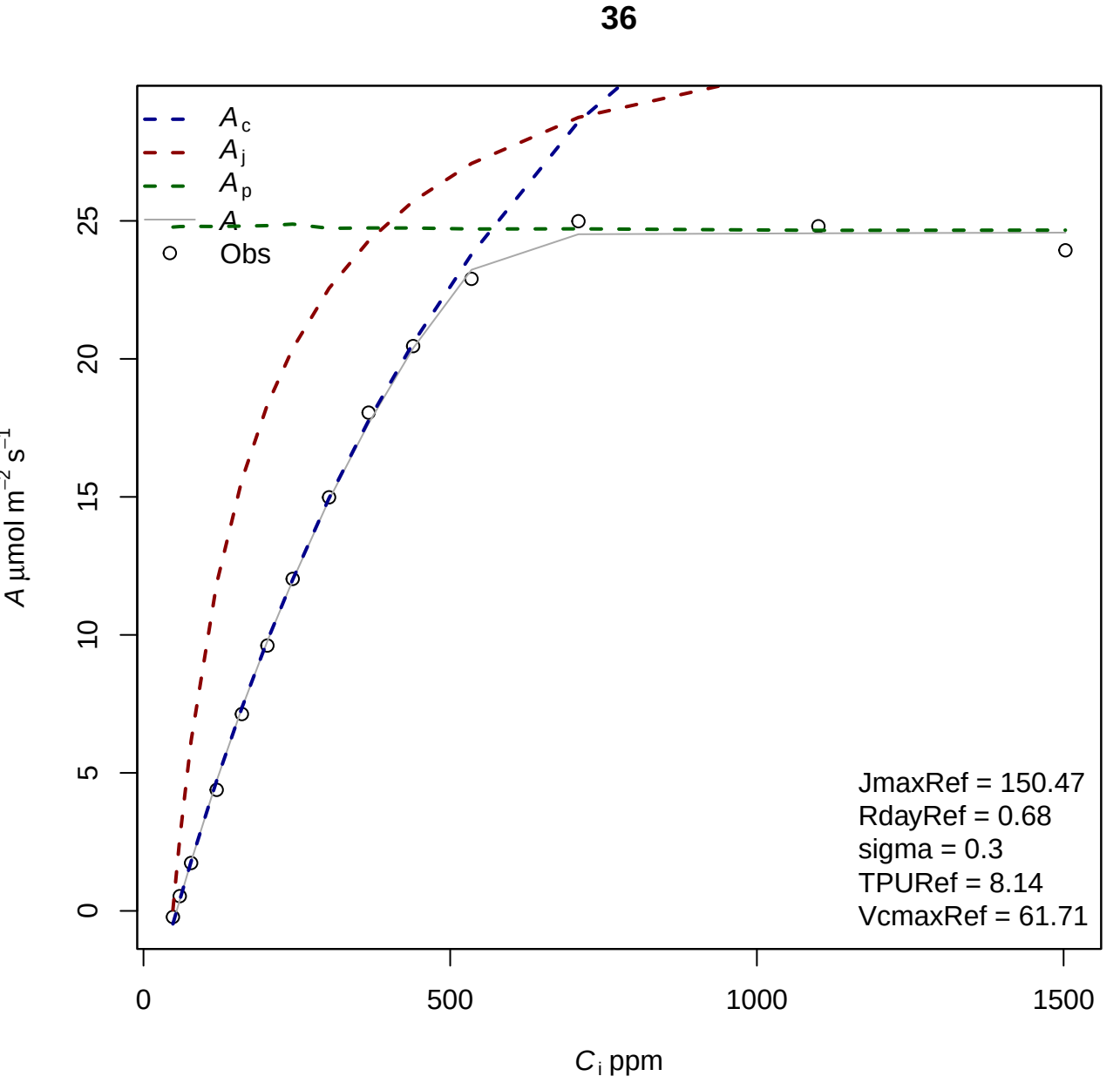

A_c
A_j
A_p
A
Obs
JmaxRef = 106.77
RdayRef = 0.79
sigma = 0.29
TPURef = 55410.1
VcmaxRef = 52.6
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

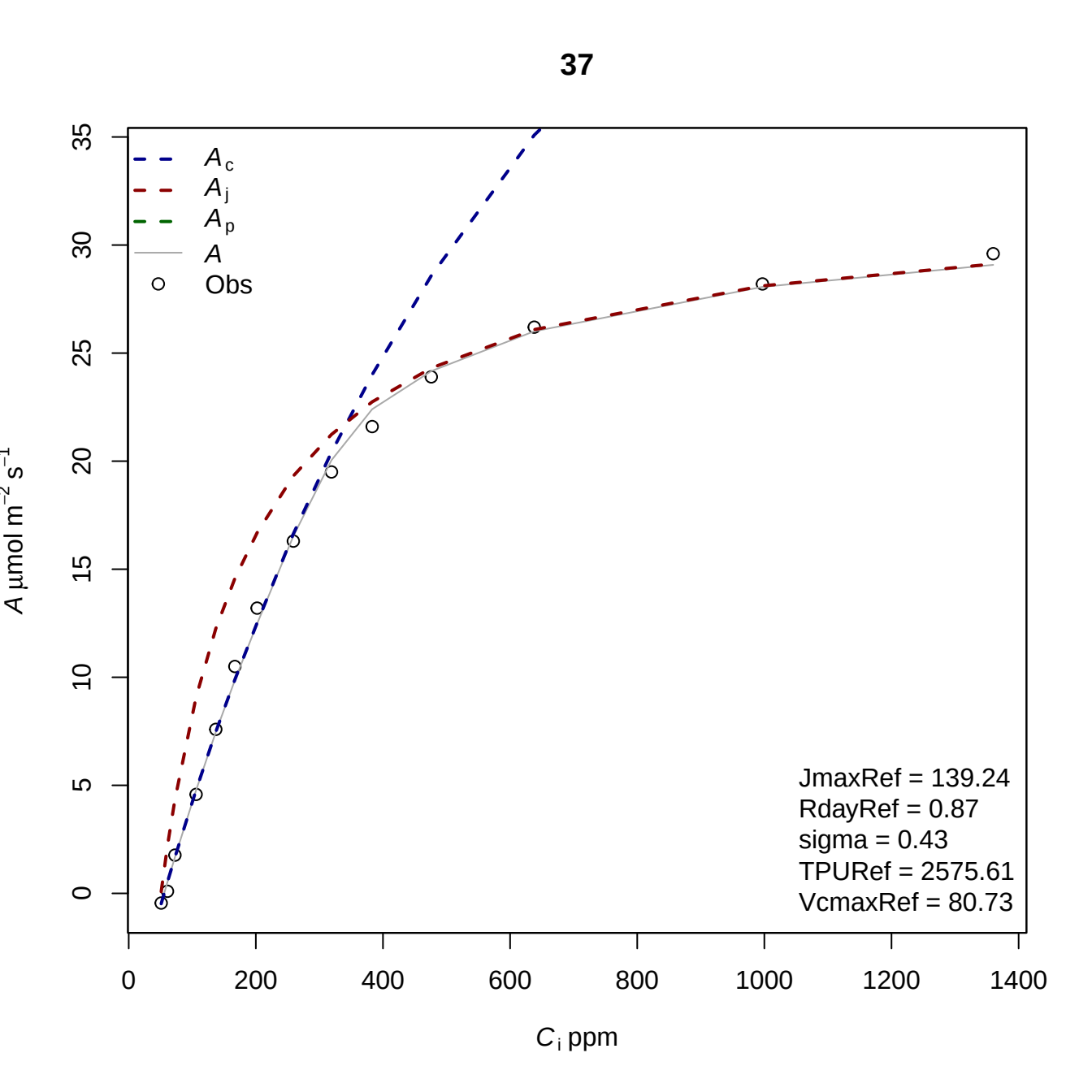

32
A_c
A_j
A_p
A
Obs
JmaxRef = 44.82
RdayRef = 0.41
sigma = 0.26
TPURef = 2.62
VcmaxRef = 15.54
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
200
400
600
800
1000
1200

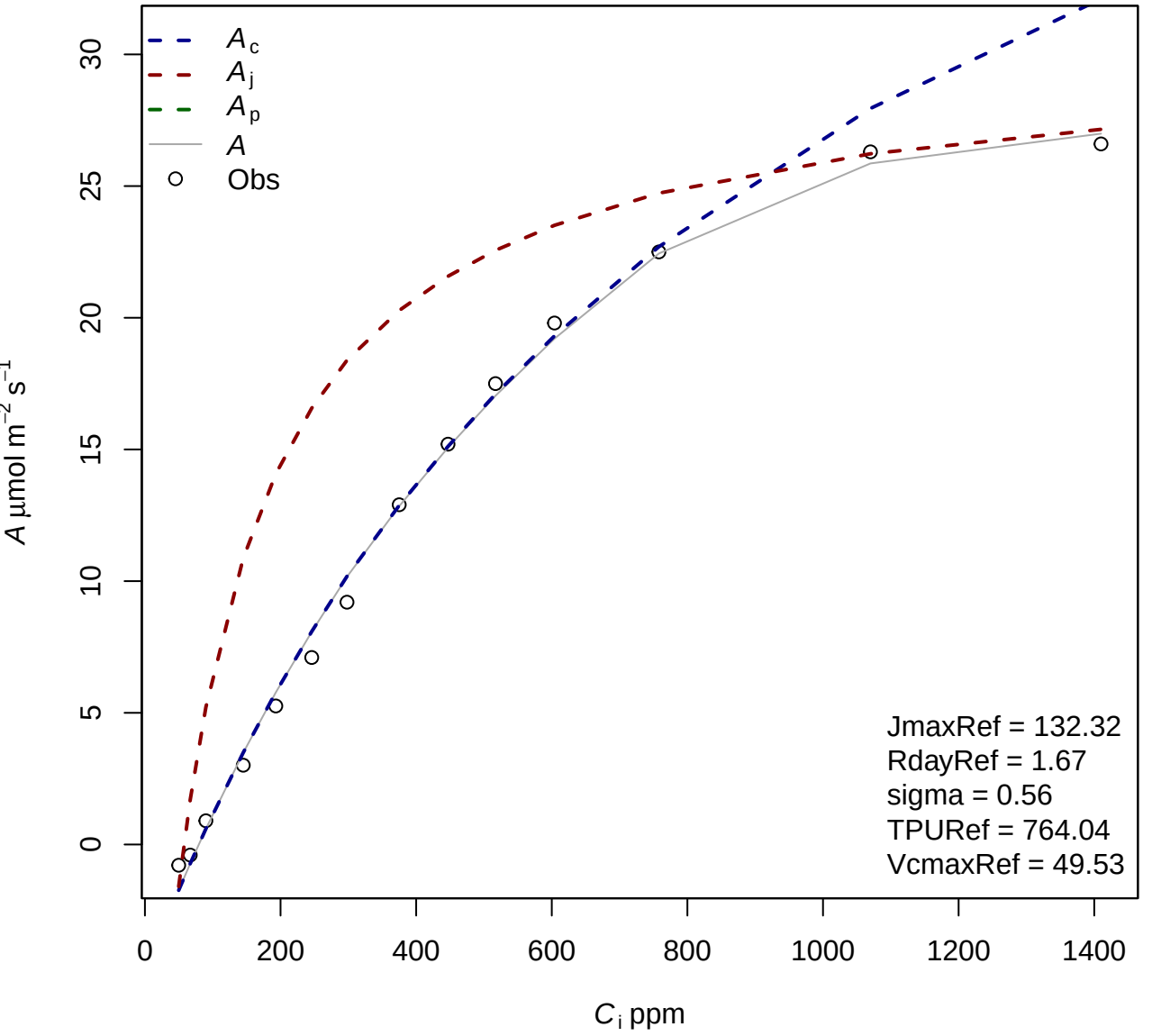

A_c
A_j
A_p
A
Obs
JmaxRef = 9714.26
RdayRef = 0.54
sigma = 0.19
TPURef = 8672.84
VcmaxRef = 13.59
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
200
400
600
800
1000
1200

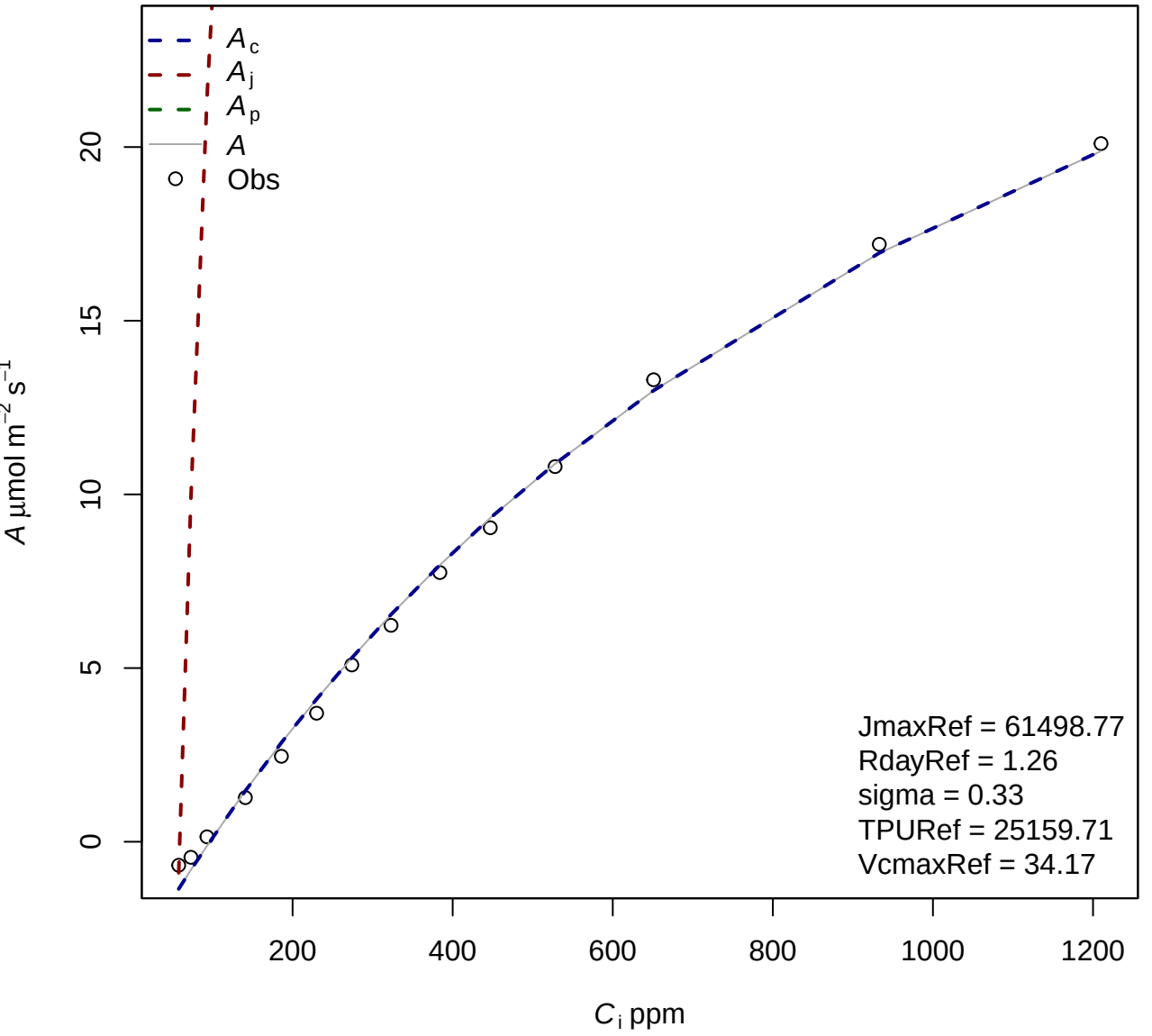

A_c
A_j
A_p
A
Obs
JmaxRef = 39.41
RdayRef = 0.38
sigma = 0.21
TPURef = 2.78
VcmaxRef = 15.8
0
2
4
6
8
200
400
600
800
1000
1200
A µmol m^{-2} s^{-1}
C_i ppm

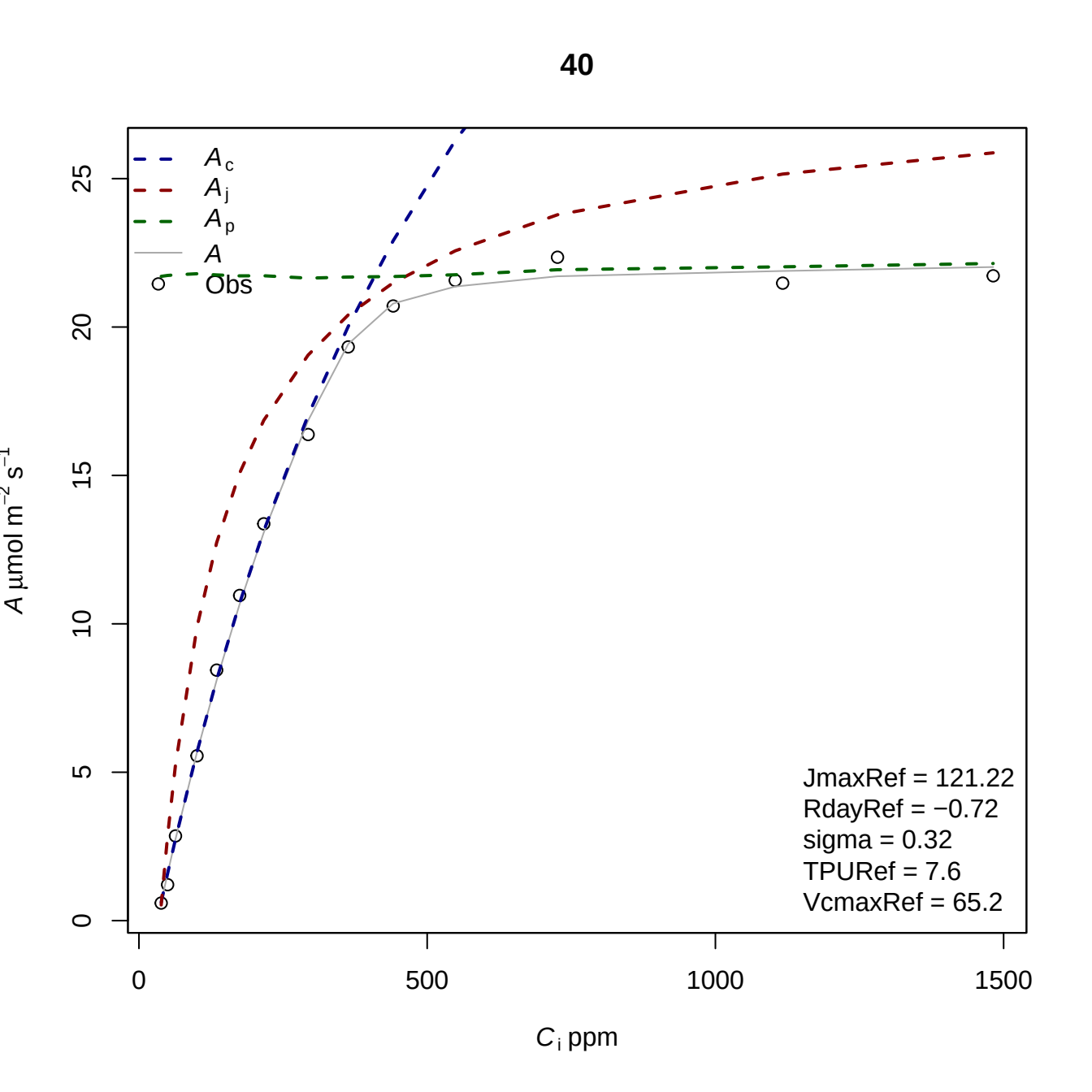

A_c
A_j
A_p
A
Obs
JmaxRef = 39.92
RdayRef = 0.65
sigma = 0.22
TPURef = 2.66
VcmaxRef = 13.48
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
200
400
600
800
1000
1200

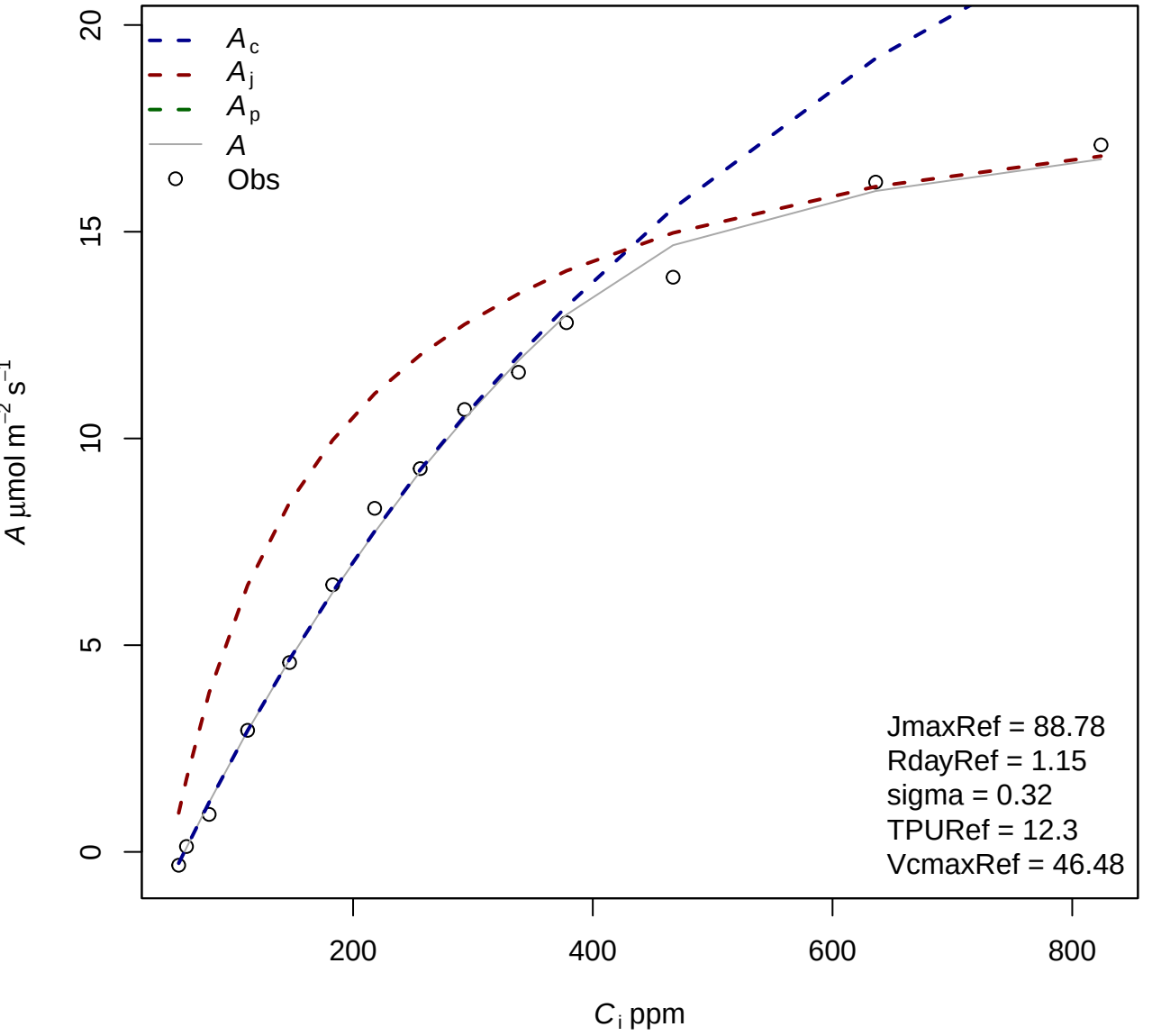

36
A_c
A_j
A_p
A
Obs
JmaxRef = 150.47
RdayRef = 0.68
sigma = 0.3
TPURef = 8.14
VcmaxRef = 61.71
A µmol m^{-2} s^{-1}
0
5
10
15
20
25
0
500
1000
1500
C_i ppm

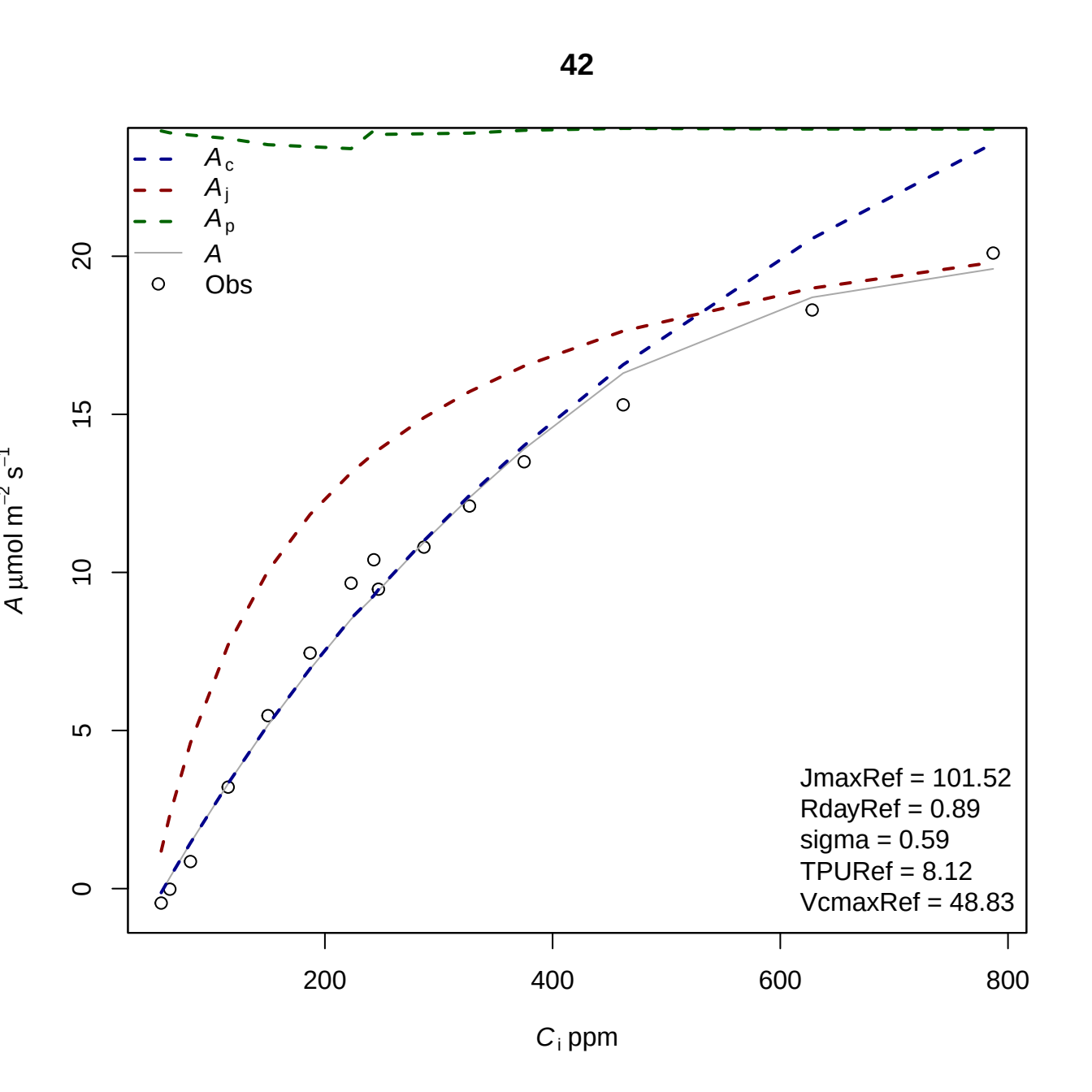

37
A_c
A_j
A_p
A
Obs
JmaxRef = 139.24
RdayRef = 0.87
sigma = 0.43
TPURef = 2575.61
VcmaxRef = 80.73
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400

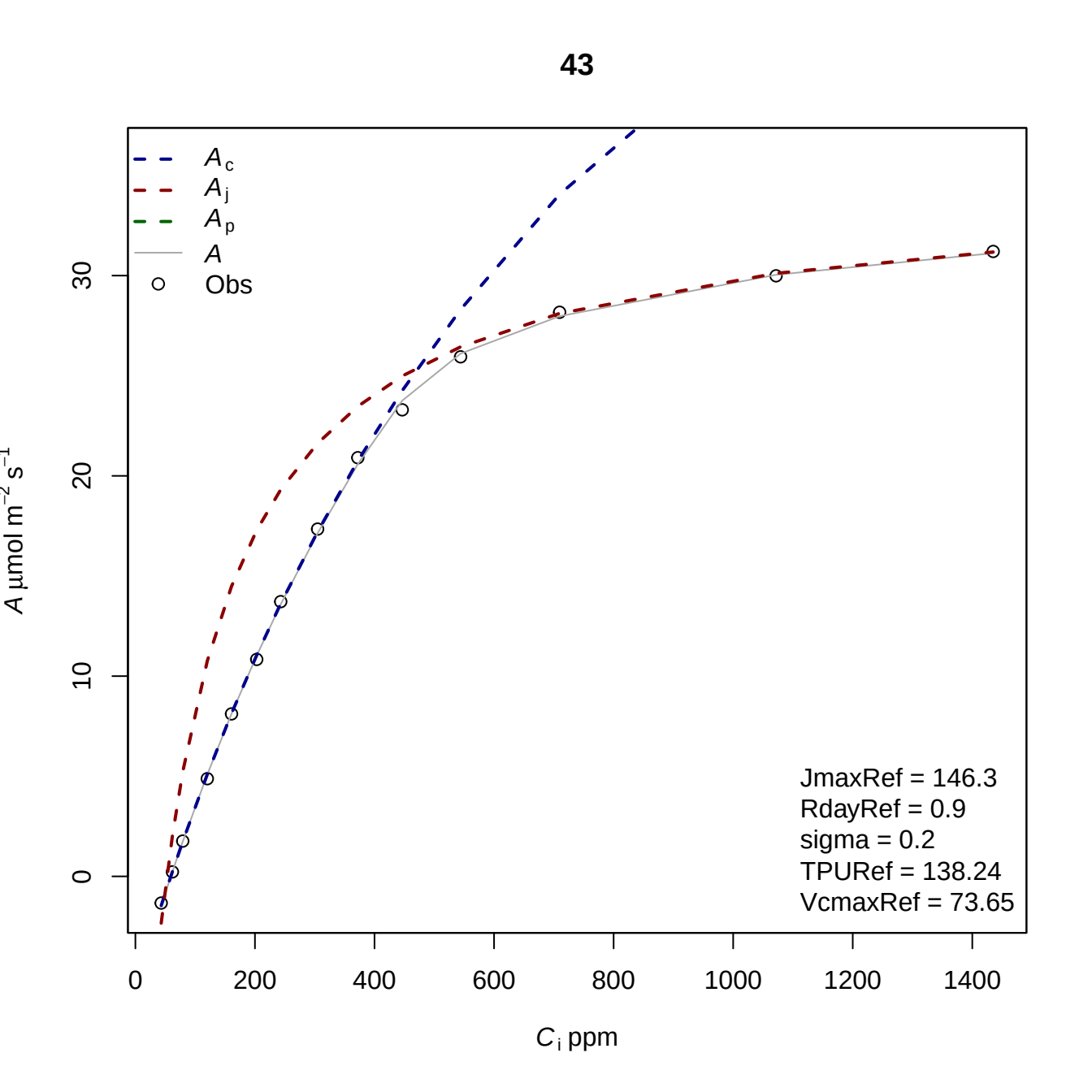

A_c
A_j
A_p
A
Obs
JmaxRef = 132.32
RdayRef = 1.67
sigma = 0.56
TPURef = 764.04
VcmaxRef = 49.53
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

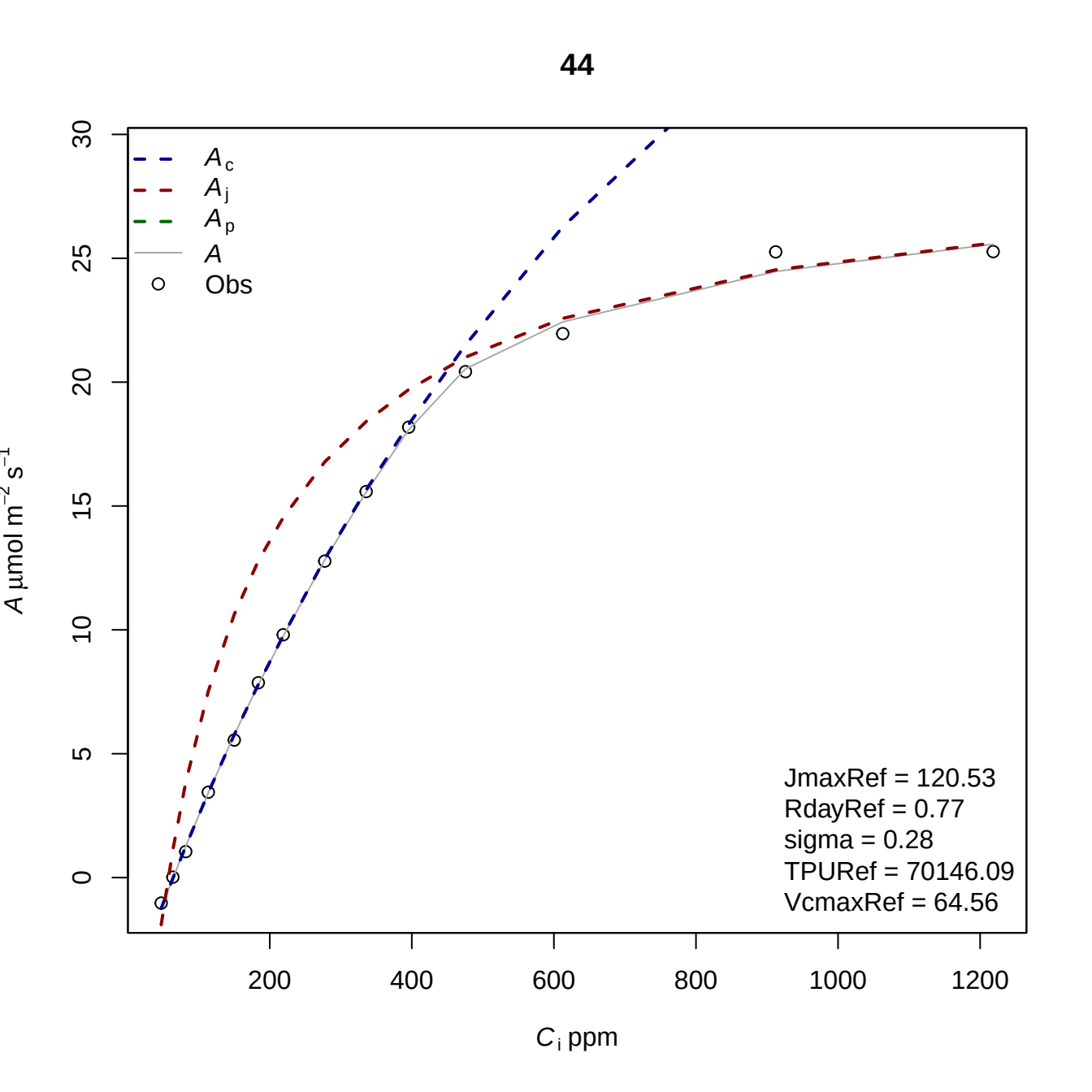

A_c
A_j
A_p
A
Obs
JmaxRef = 61498.77
RdayRef = 1.26
sigma = 0.33
TPURef = 25159.71
VcmaxRef = 34.17
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

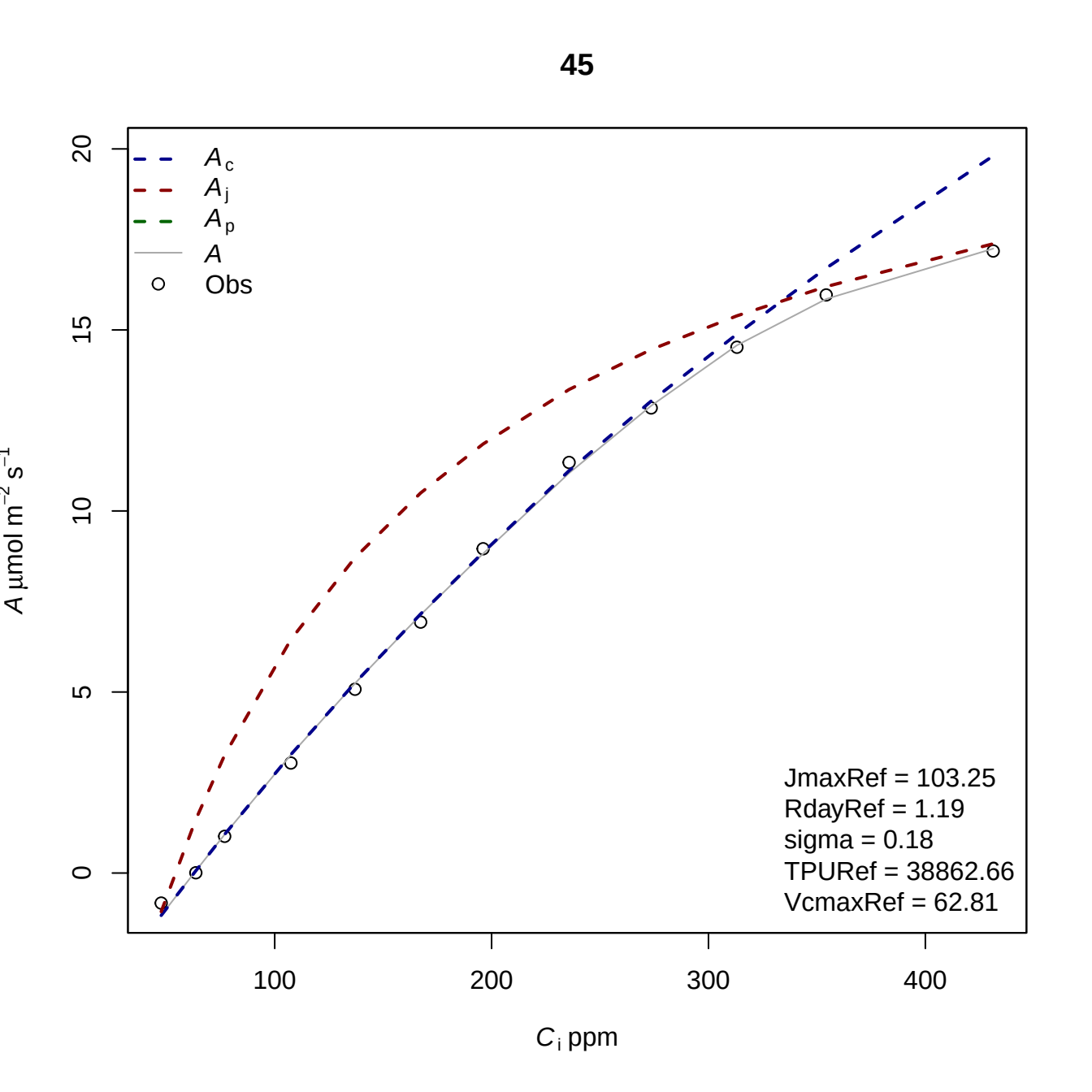

40
A_c
A_j
A_p
A
Obs
JmaxRef = 121.22
RdayRef = −0.72
sigma = 0.32
TPURef = 7.6
VcmaxRef = 65.2
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

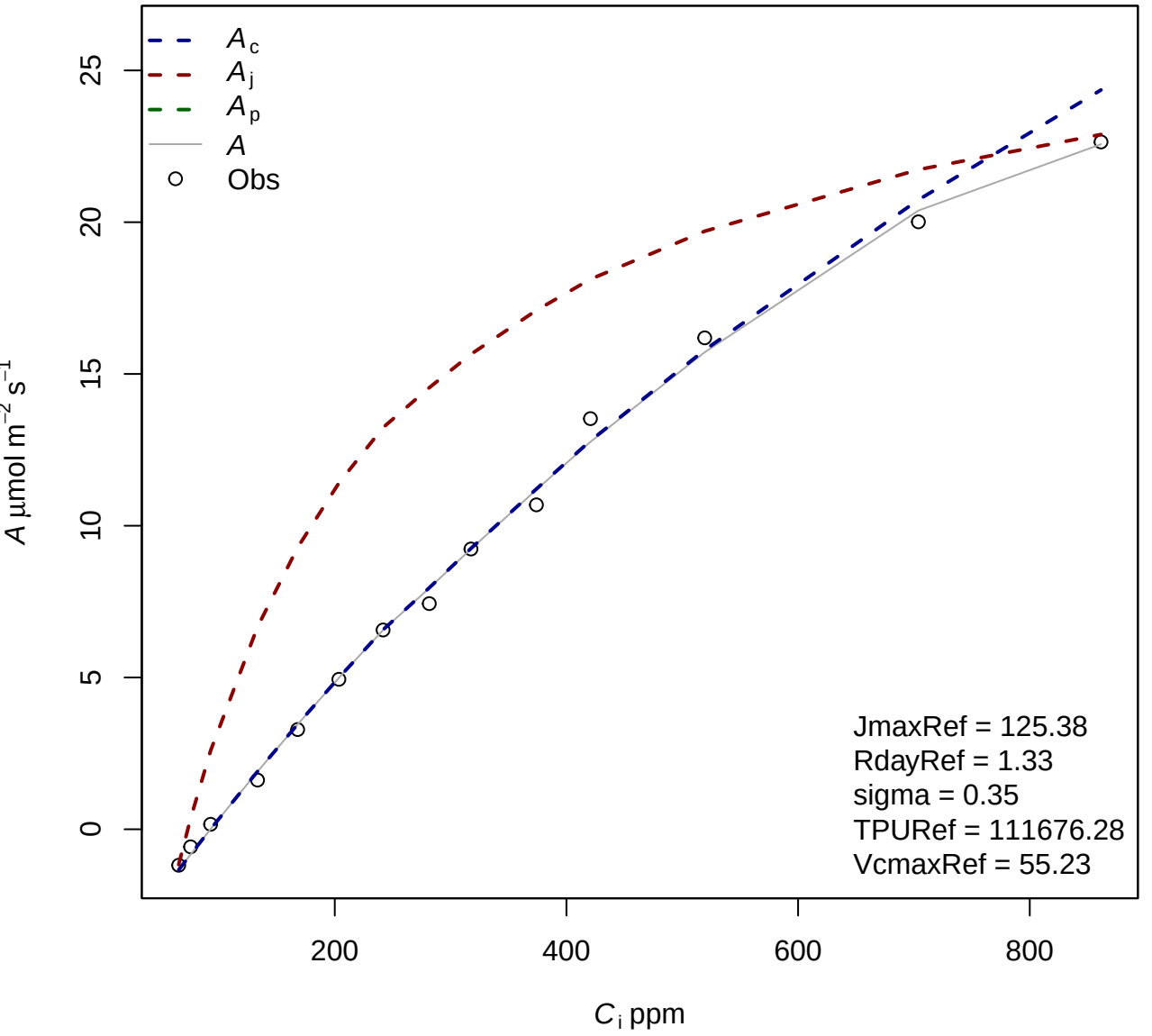

A_c
A_j
A_p
A
Obs
JmaxRef = 88.78
RdayRef = 1.15
sigma = 0.32
TPURef = 12.3
VcmaxRef = 46.48
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800

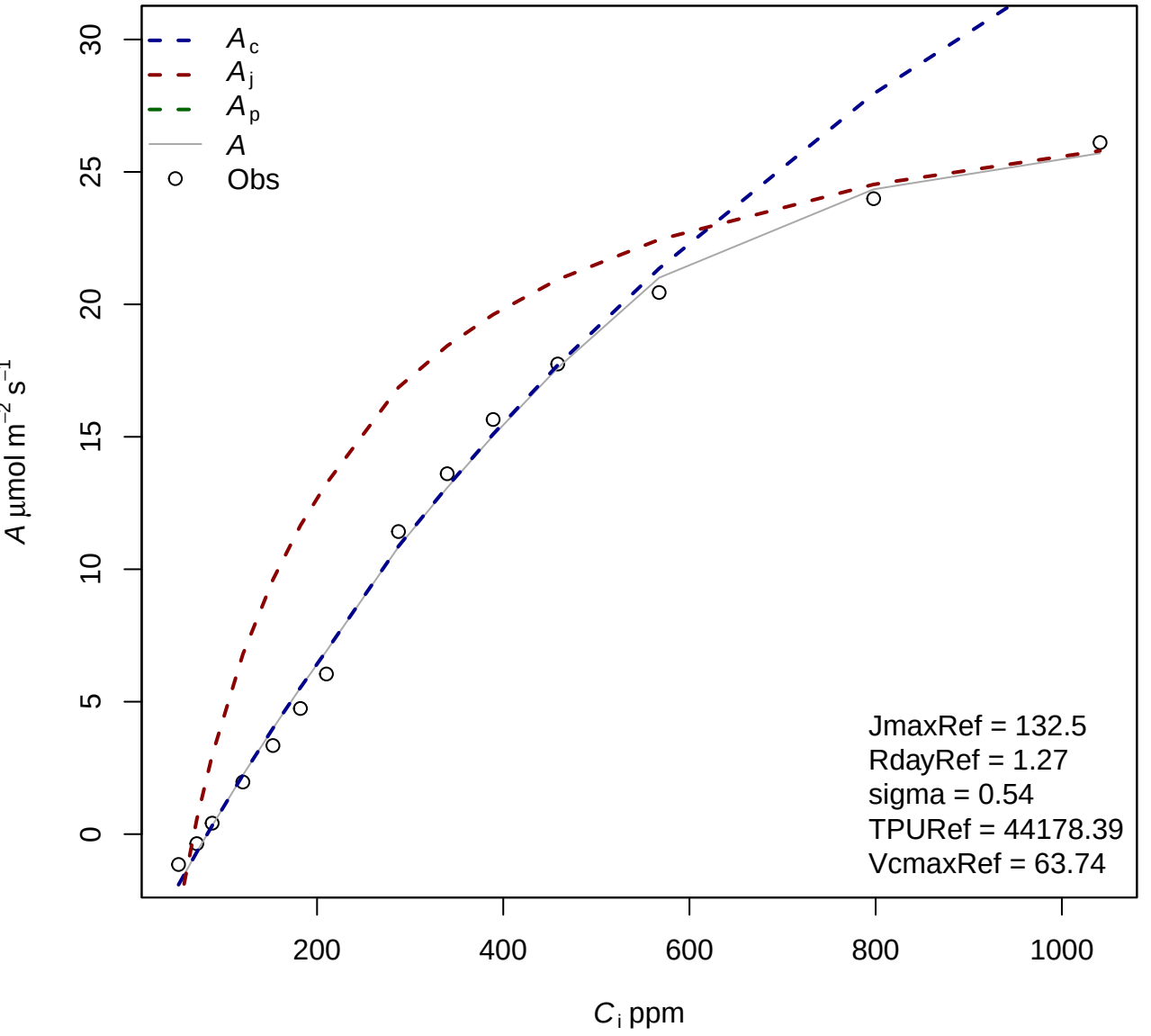

42
A_c
A_j
A_p
A
Obs
JmaxRef = 101.52
RdayRef = 0.89
sigma = 0.59
TPURef = 8.12
VcmaxRef = 48.83
A µmol m^{-2} s^{-1}
0
5
10
15
20
200
400
600
800
C_i ppm

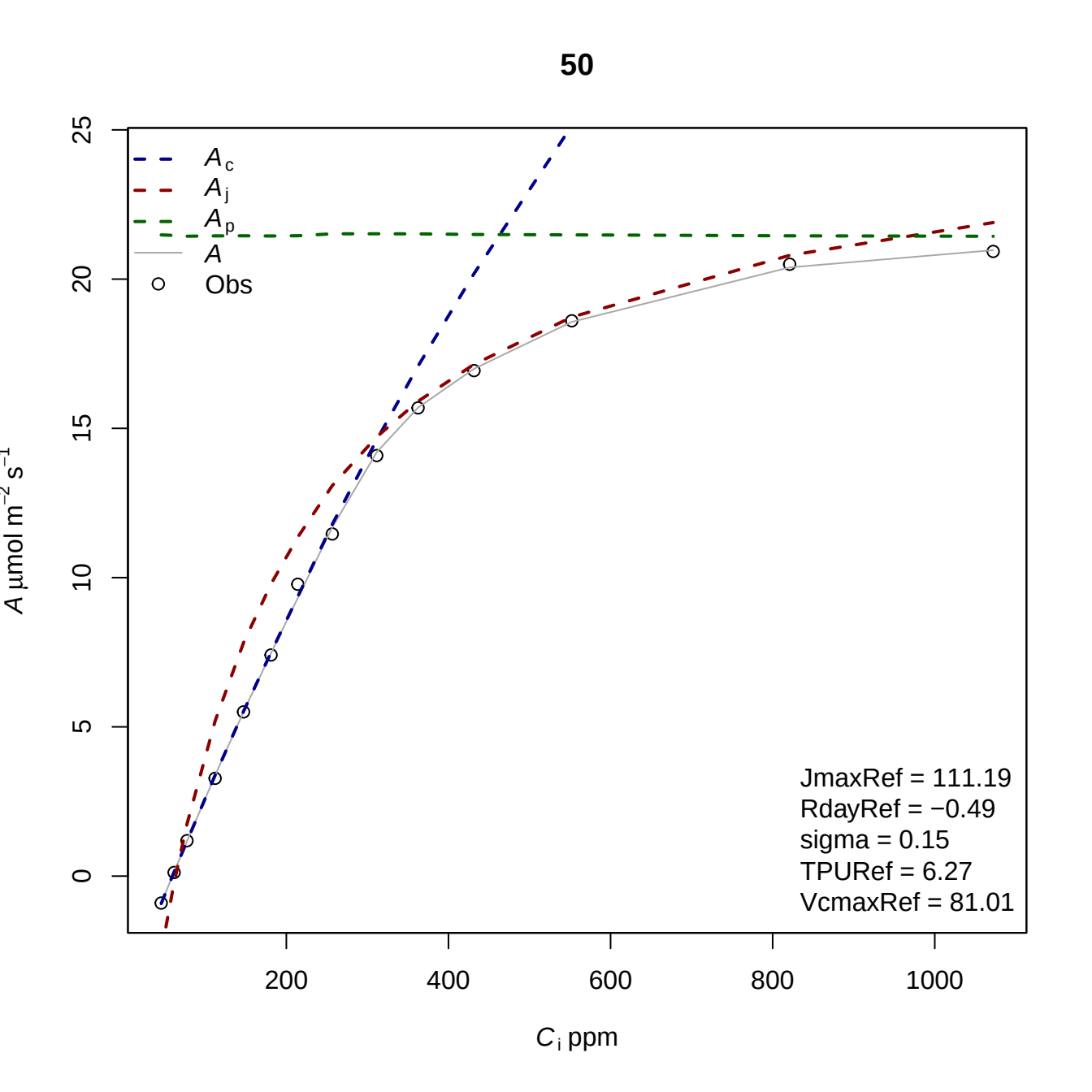

43
A_c
A_j
A_p
A
Obs
JmaxRef = 146.3
RdayRef = 0.9
sigma = 0.2
TPURef = 138.24
VcmaxRef = 73.65
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

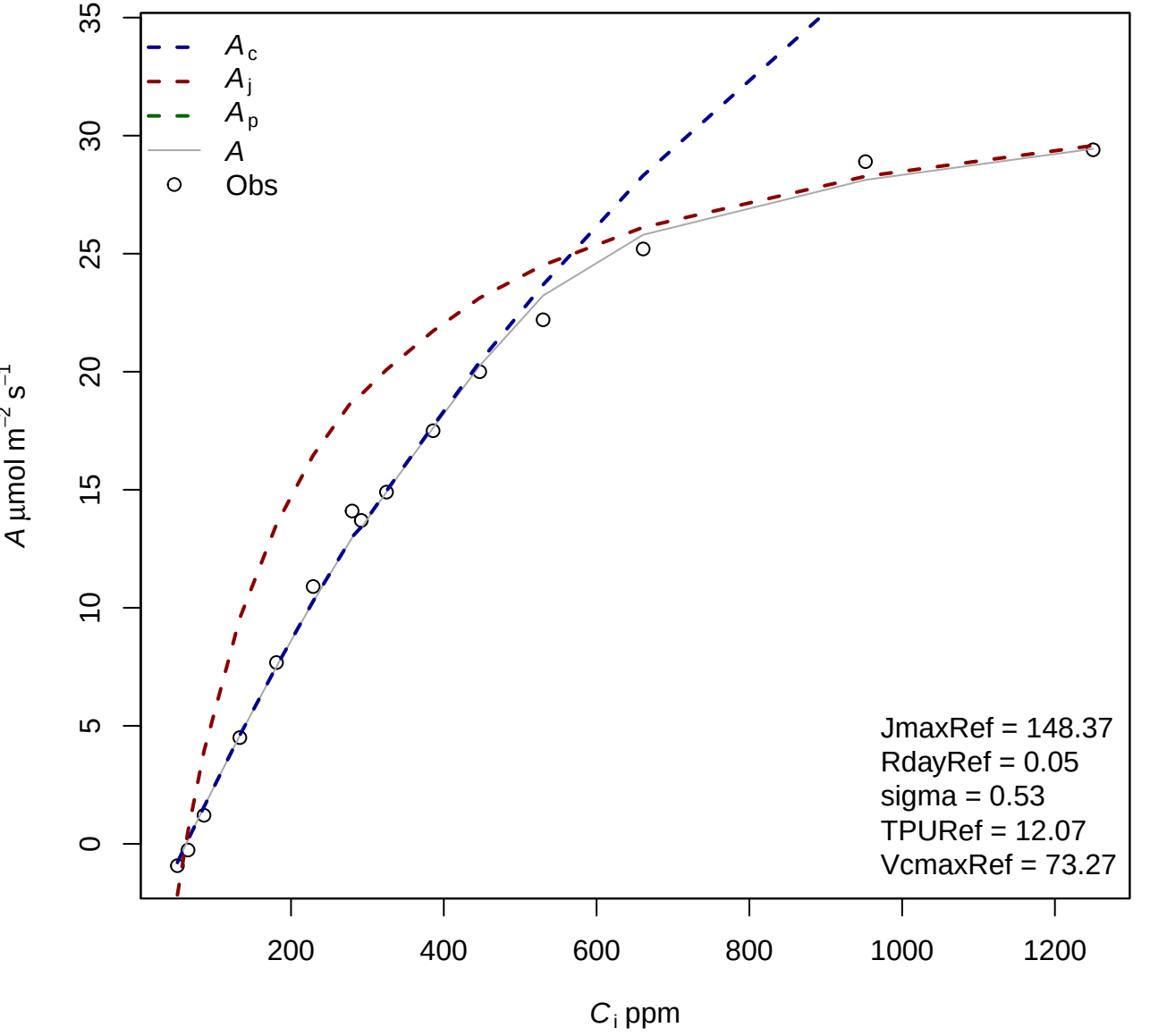

44
A_c
A_j
A_p
A
Obs
JmaxRef = 120.53
RdayRef = 0.77
sigma = 0.28
TPURef = 70146.09
VcmaxRef = 64.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200

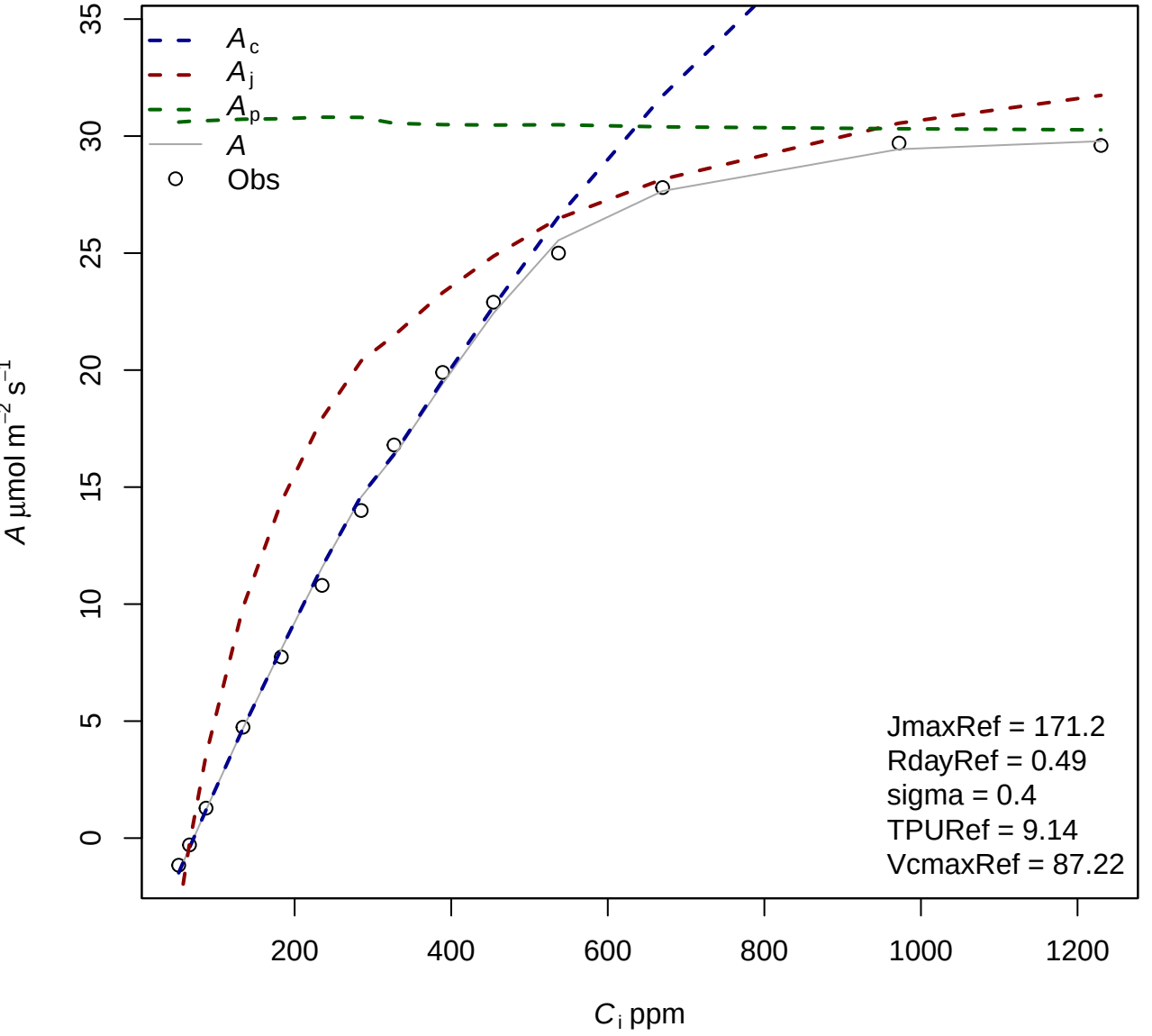

45
A_c
A_j
A_p
A
Obs
JmaxRef = 103.25
RdayRef = 1.19
sigma = 0.18
TPURef = 38862.66
VcmaxRef = 62.81
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400

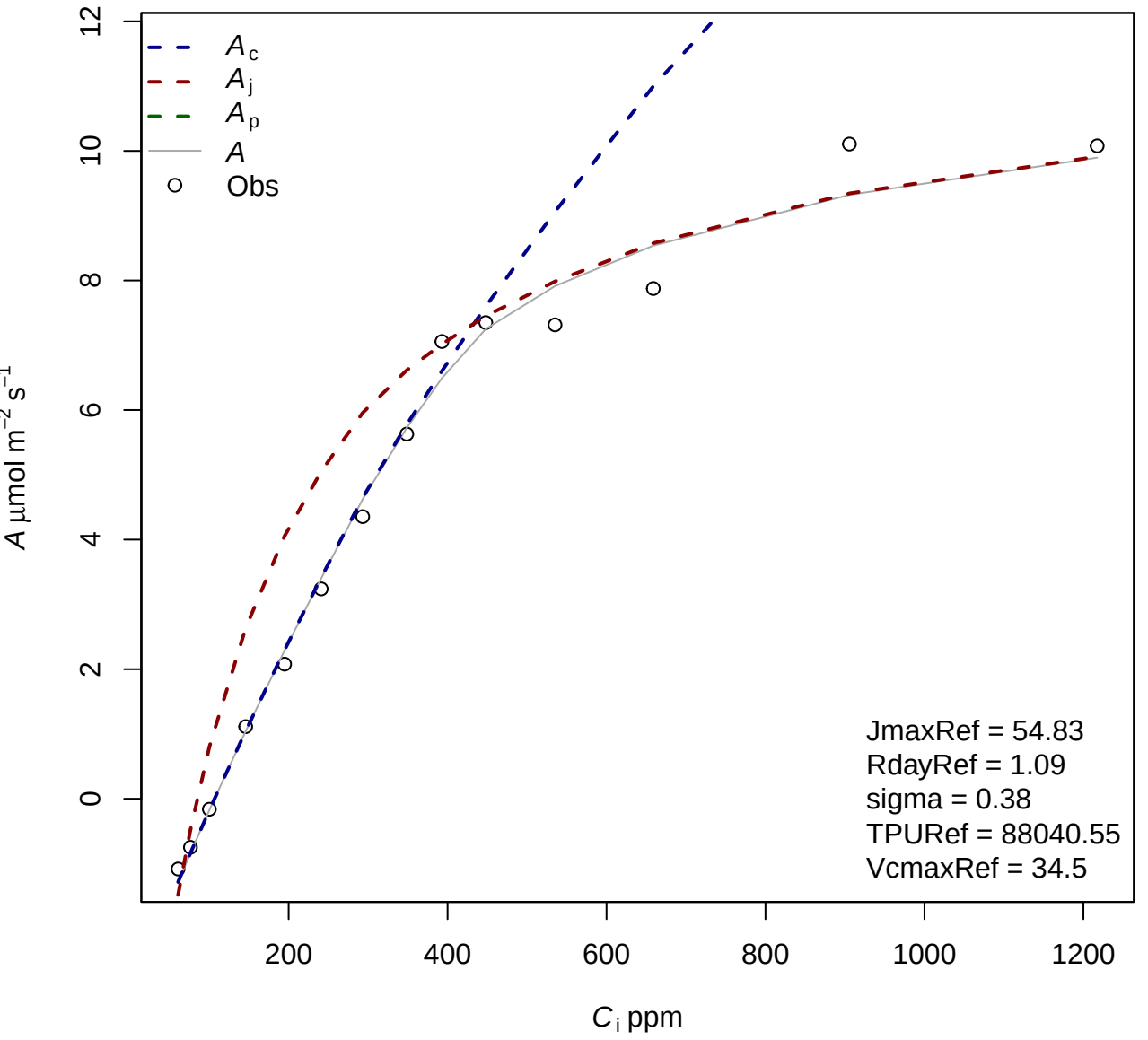

A_c
A_j
A_p
A
Obs
JmaxRef = 125.38
RdayRef = 1.33
sigma = 0.35
TPURef = 111676.28
VcmaxRef = 55.23
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800

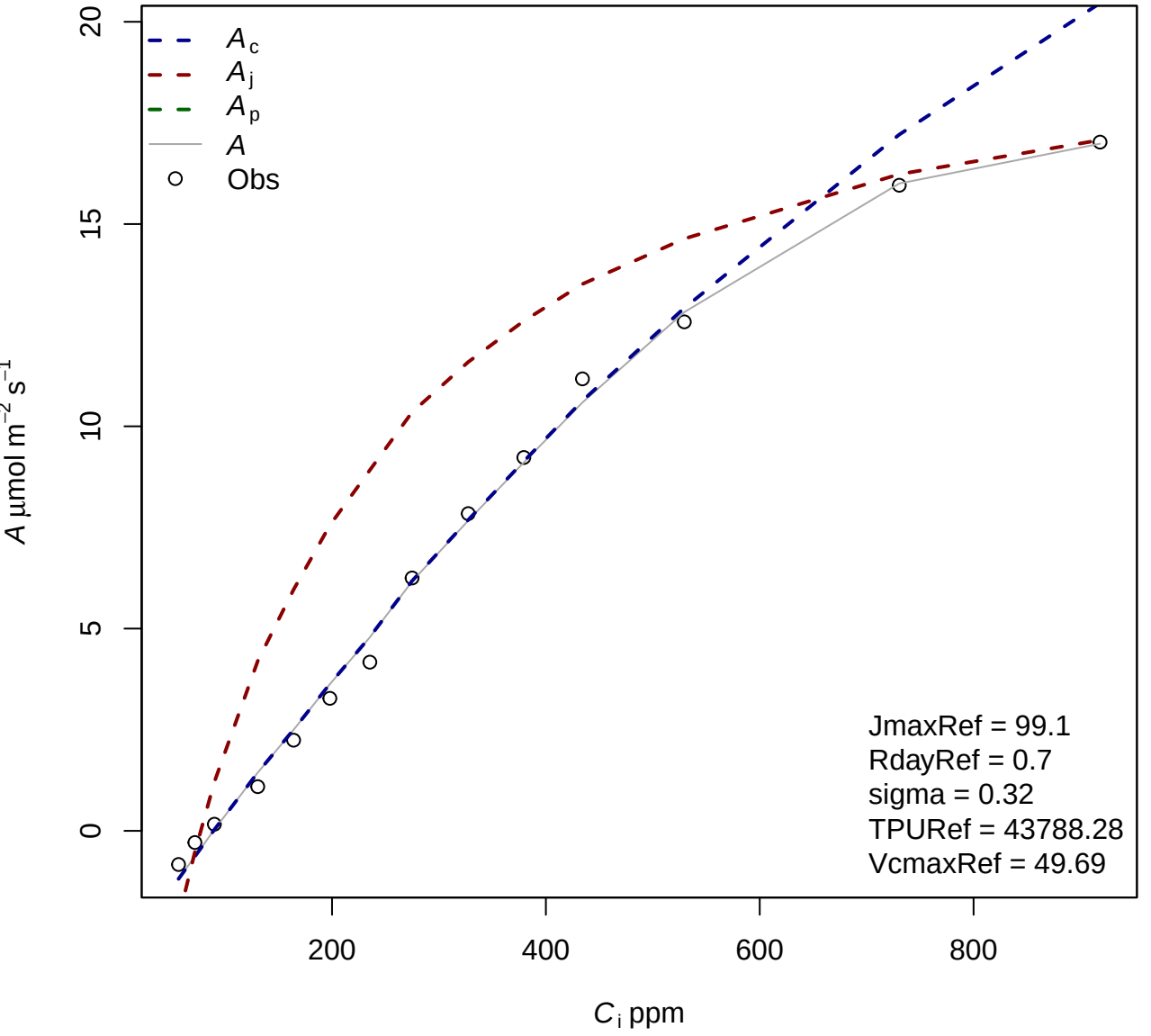

A_c
A_j
A_p
A
Obs
JmaxRef = 132.5
RdayRef = 1.27
sigma = 0.54
TPURef = 44178.39
VcmaxRef = 63.74
0
5
10
15
20
25
30
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

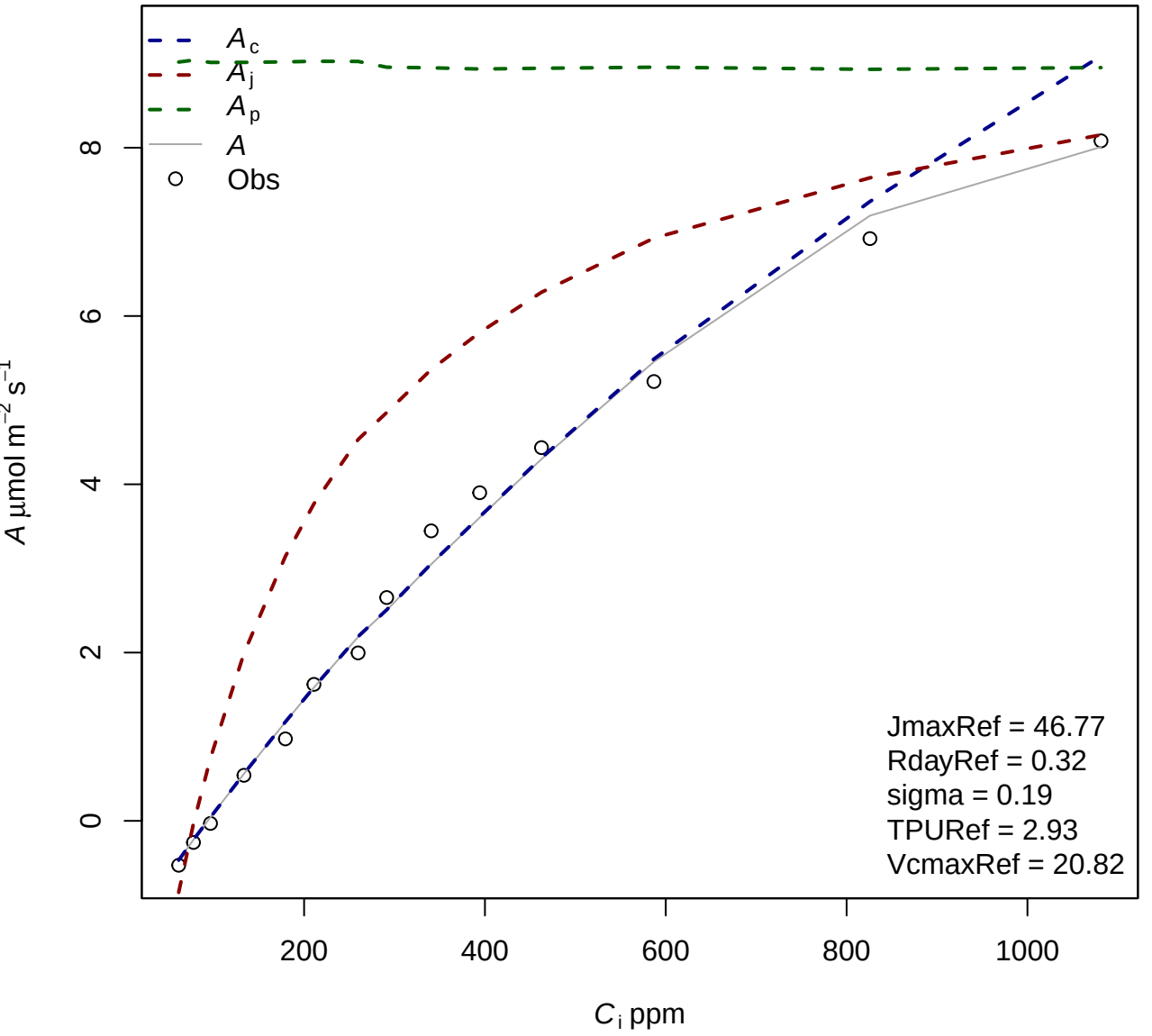

50
A_c
A_j
A_p
A
Obs
JmaxRef = 111.19
RdayRef = −0.49
sigma = 0.15
TPURef = 6.27
VcmaxRef = 81.01
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

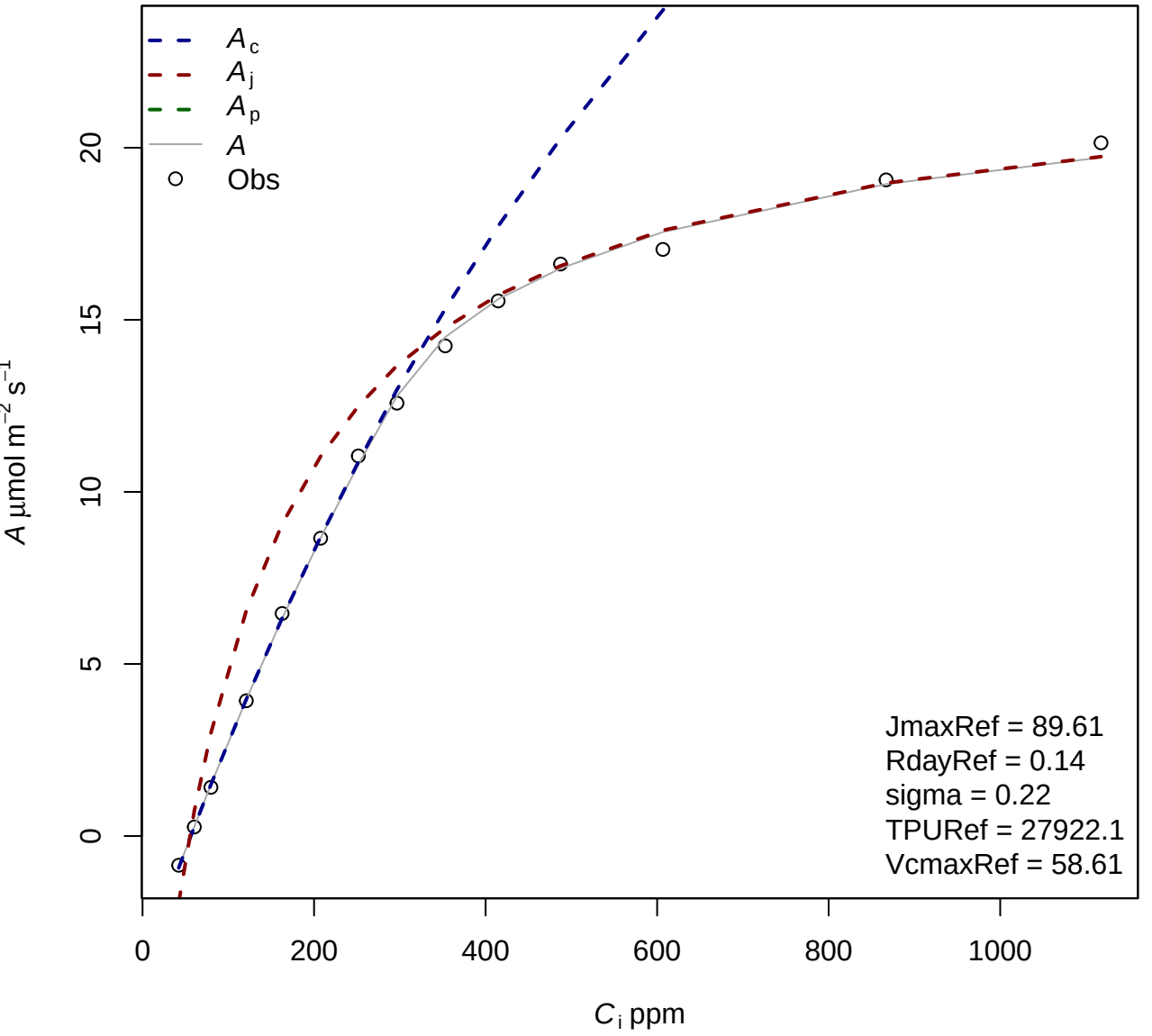

A_c
A_j
A_p
A
Obs
JmaxRef = 148.37
RdayRef = 0.05
sigma = 0.53
TPURef = 12.07
VcmaxRef = 73.27
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
200
400
600
800
1000
1200

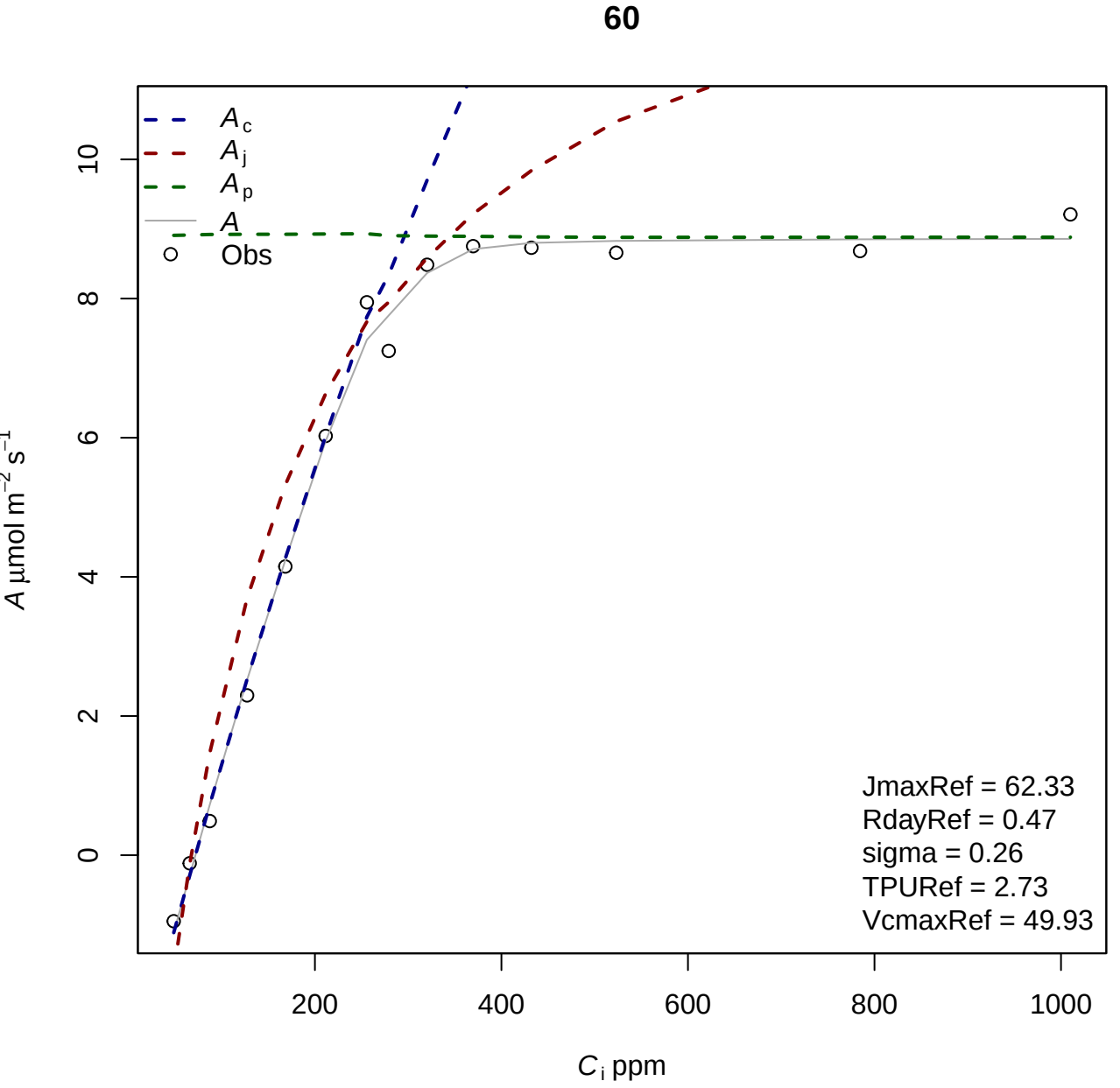

A_c
A_j
A_p
A
Obs
JmaxRef = 171.2
RdayRef = 0.49
sigma = 0.4
TPURef = 9.14
VcmaxRef = 87.22
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
200
400
600
800
1000
1200

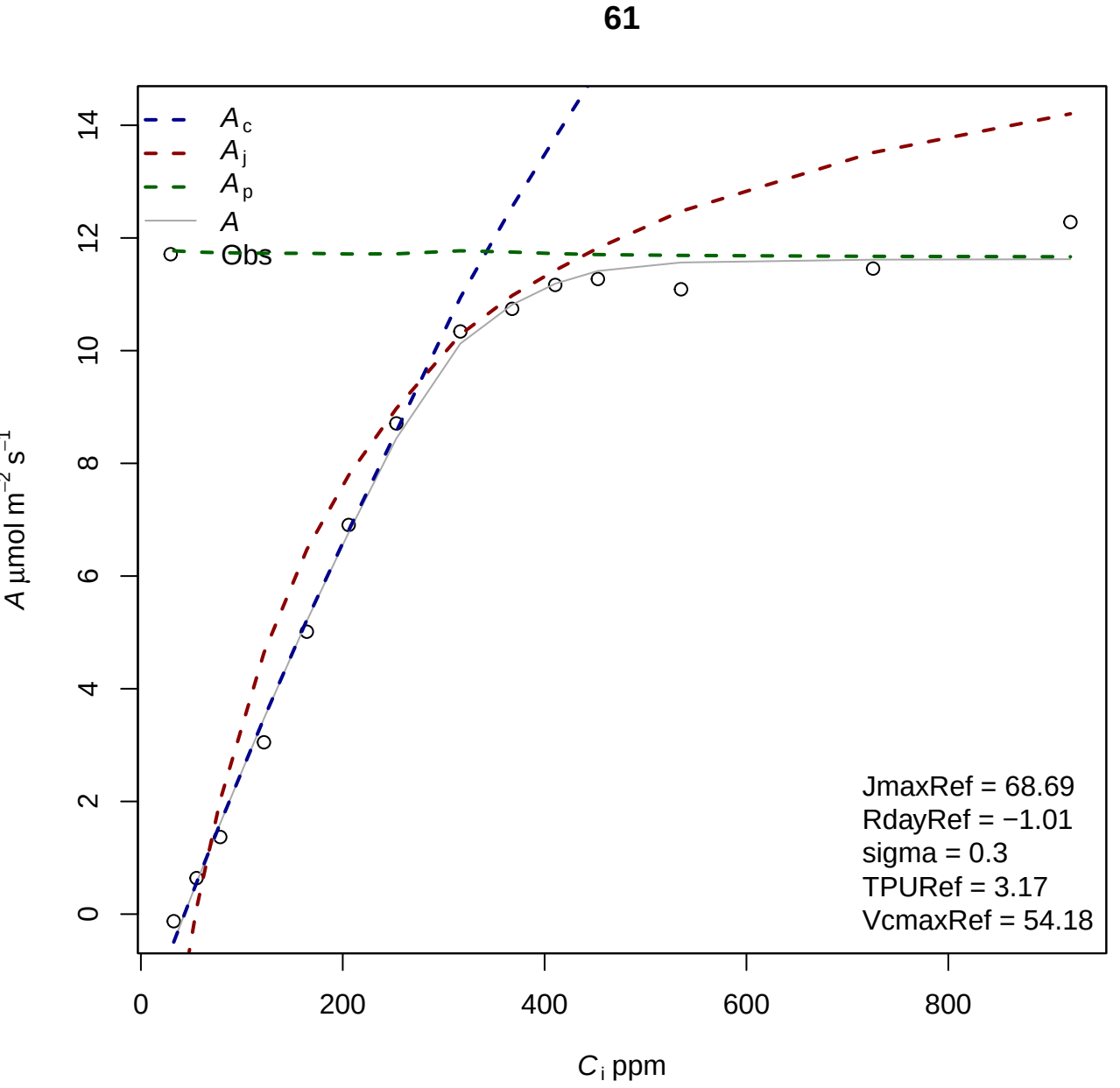

A_c
A_j
A_p
A
Obs
JmaxRef = 54.83
RdayRef = 1.09
sigma = 0.38
TPURef = 88040.55
VcmaxRef = 34.5
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
200
400
600
800
1000
1200

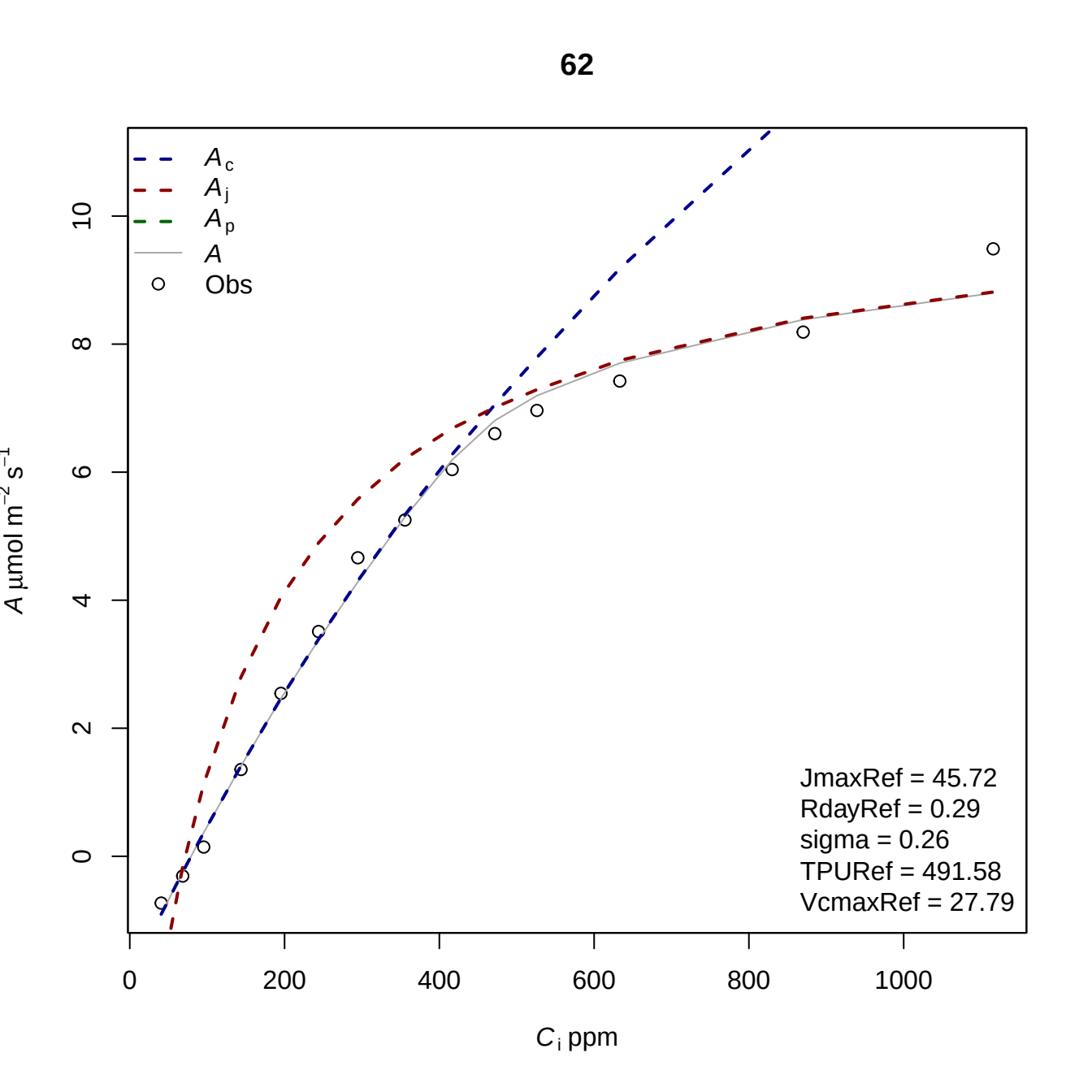

A_c
A_j
A_p
A
Obs
JmaxRef = 99.1
RdayRef = 0.7
sigma = 0.32
TPURef = 43788.28
VcmaxRef = 49.69
0
5
10
15
20
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

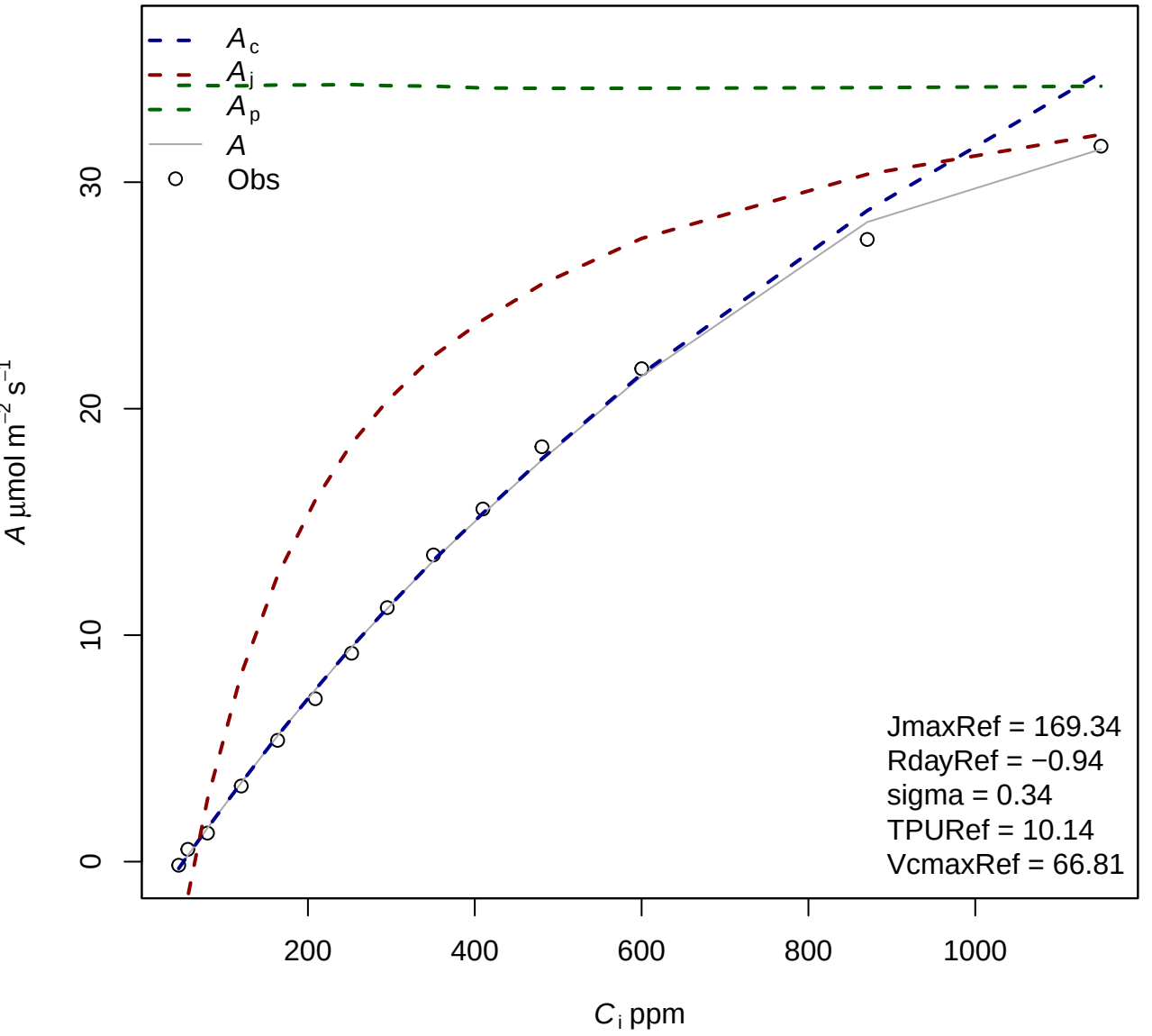

A_c
A_j
A_p
A
Obs
JmaxRef = 46.77
RdayRef = 0.32
sigma = 0.19
TPURef = 2.93
VcmaxRef = 20.82
0
2
4
6
8
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

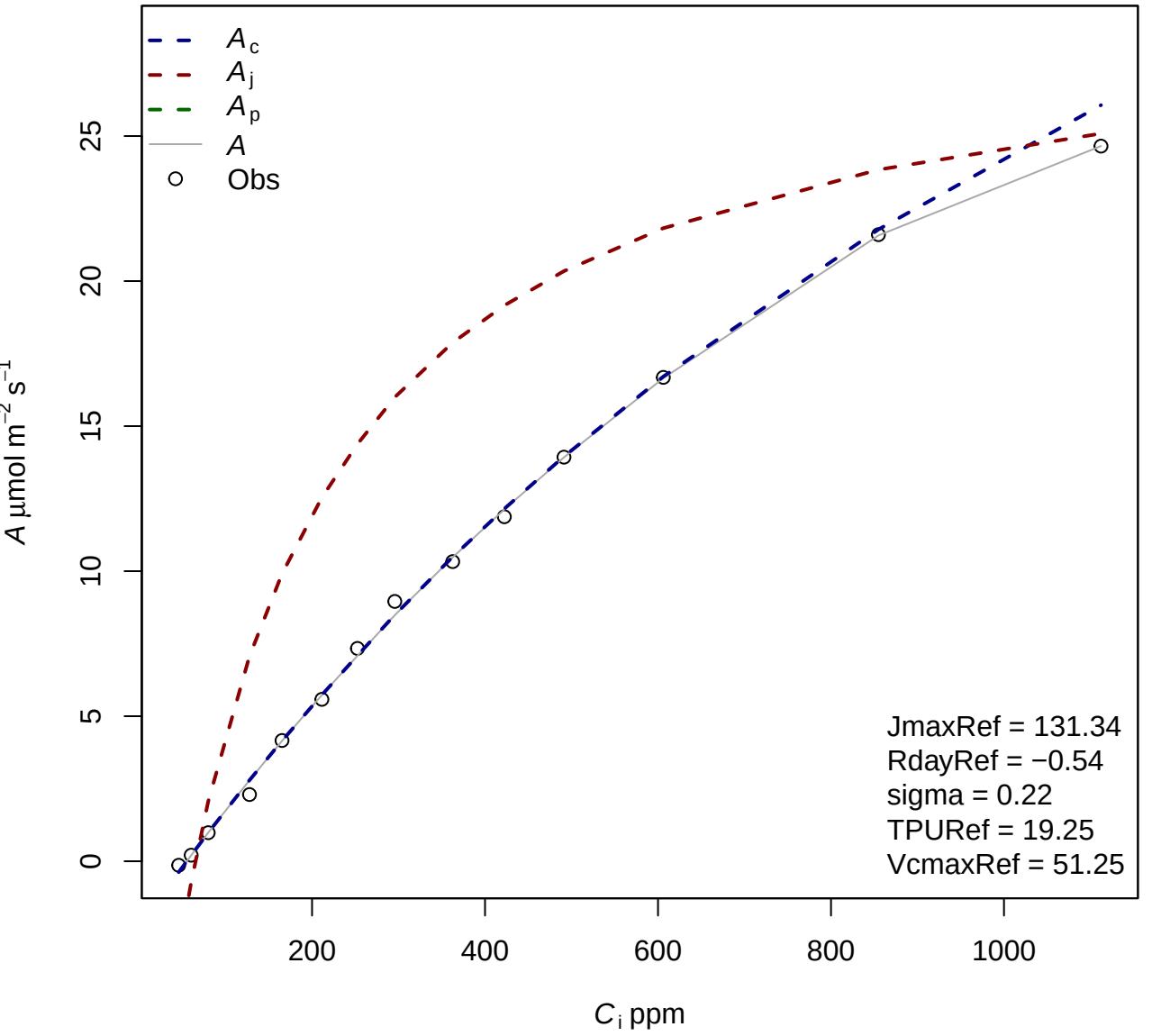

A_c
A_j
A_p
A
Obs
JmaxRef = 89.61
RdayRef = 0.14
sigma = 0.22
TPURef = 27922.1
VcmaxRef = 58.61
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000

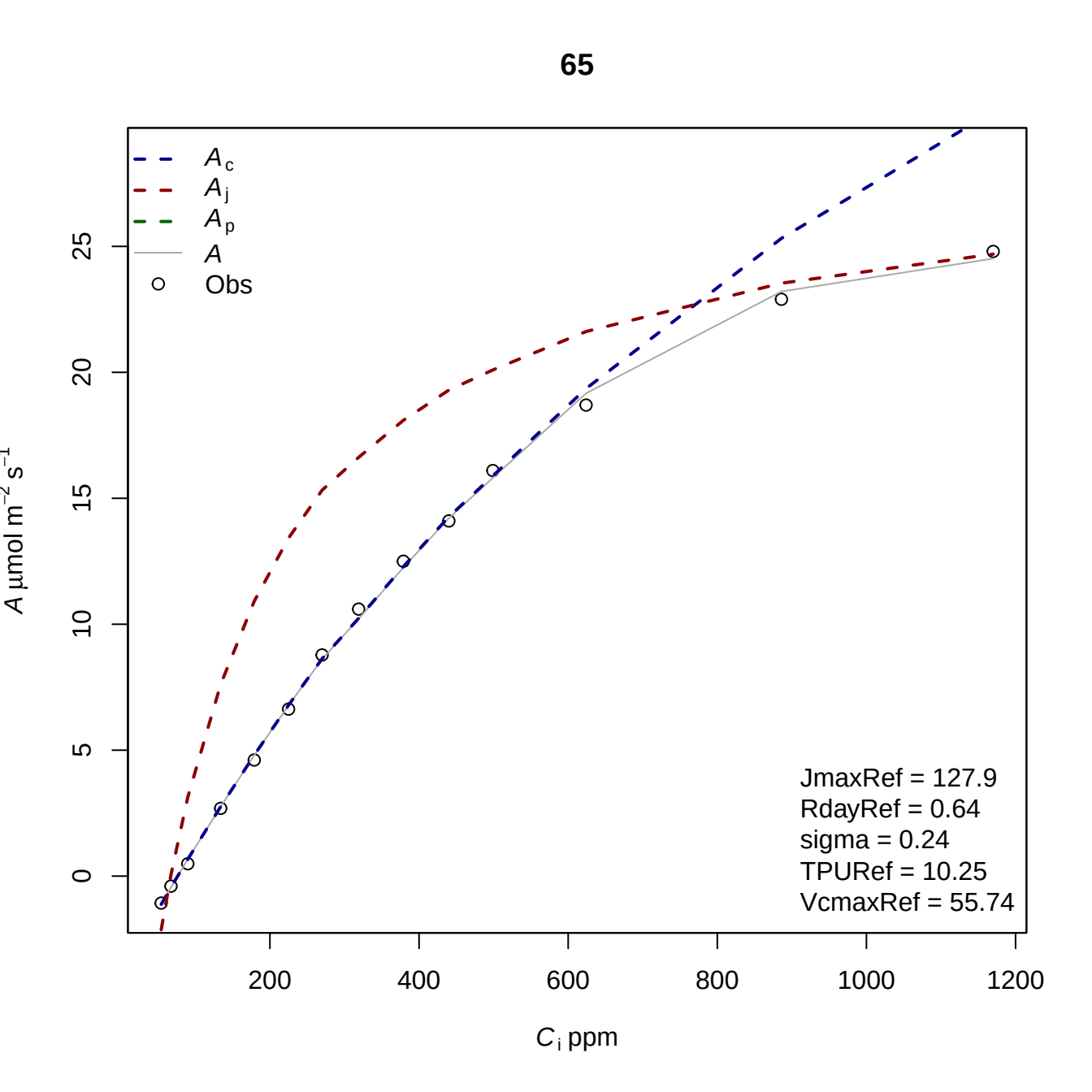

60
A_c
A_j
A_p
A
Obs
JmaxRef = 62.33
RdayRef = 0.47
sigma = 0.26
TPURef = 2.73
VcmaxRef = 49.93
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
200
400
600
800
1000

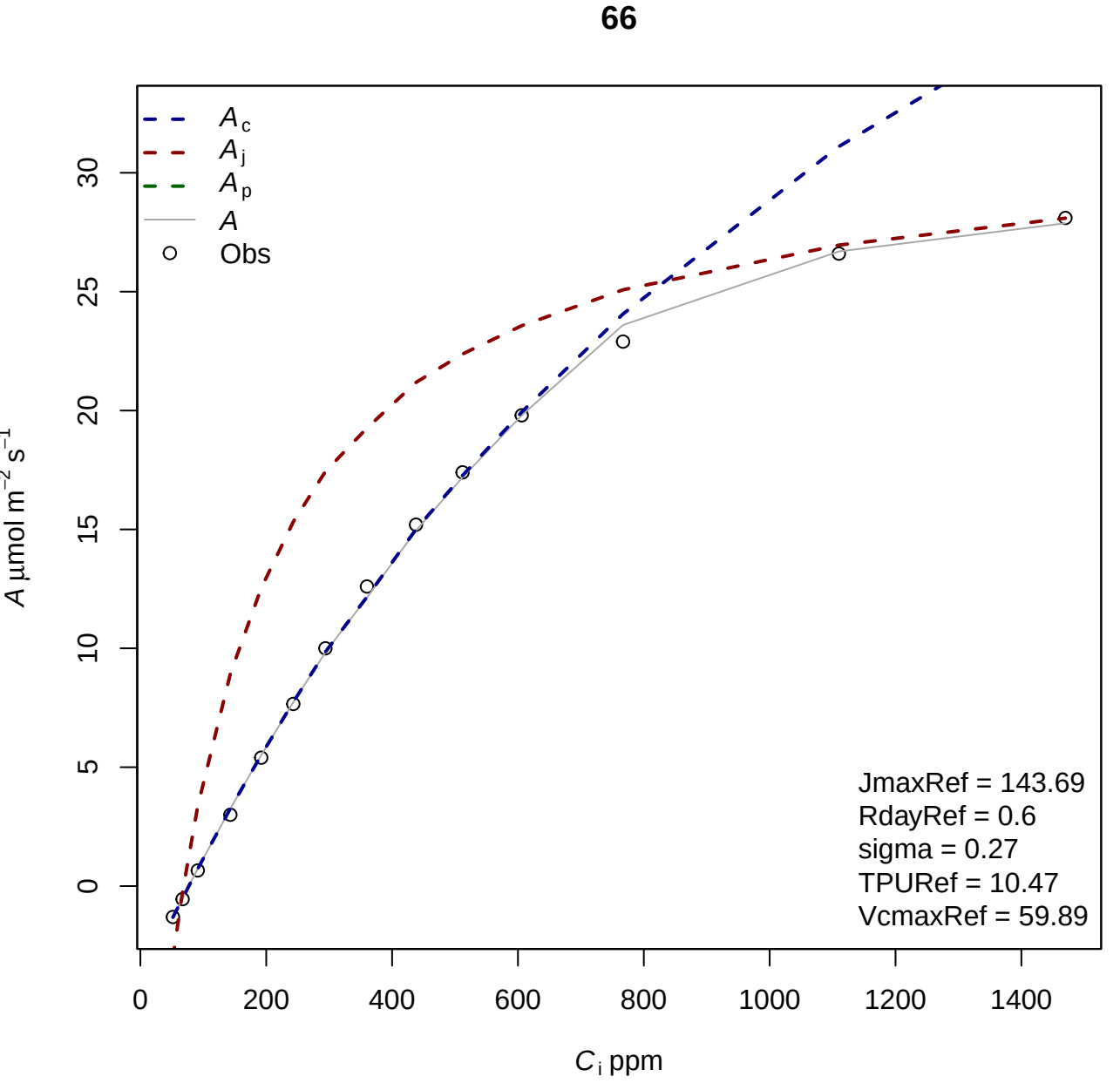

61
A_c
A_j
A_p
A
Obs
JmaxRef = 68.69
RdayRef = −1.01
sigma = 0.3
TPURef = 3.17
VcmaxRef = 54.18
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
14
0
200
400
600
800

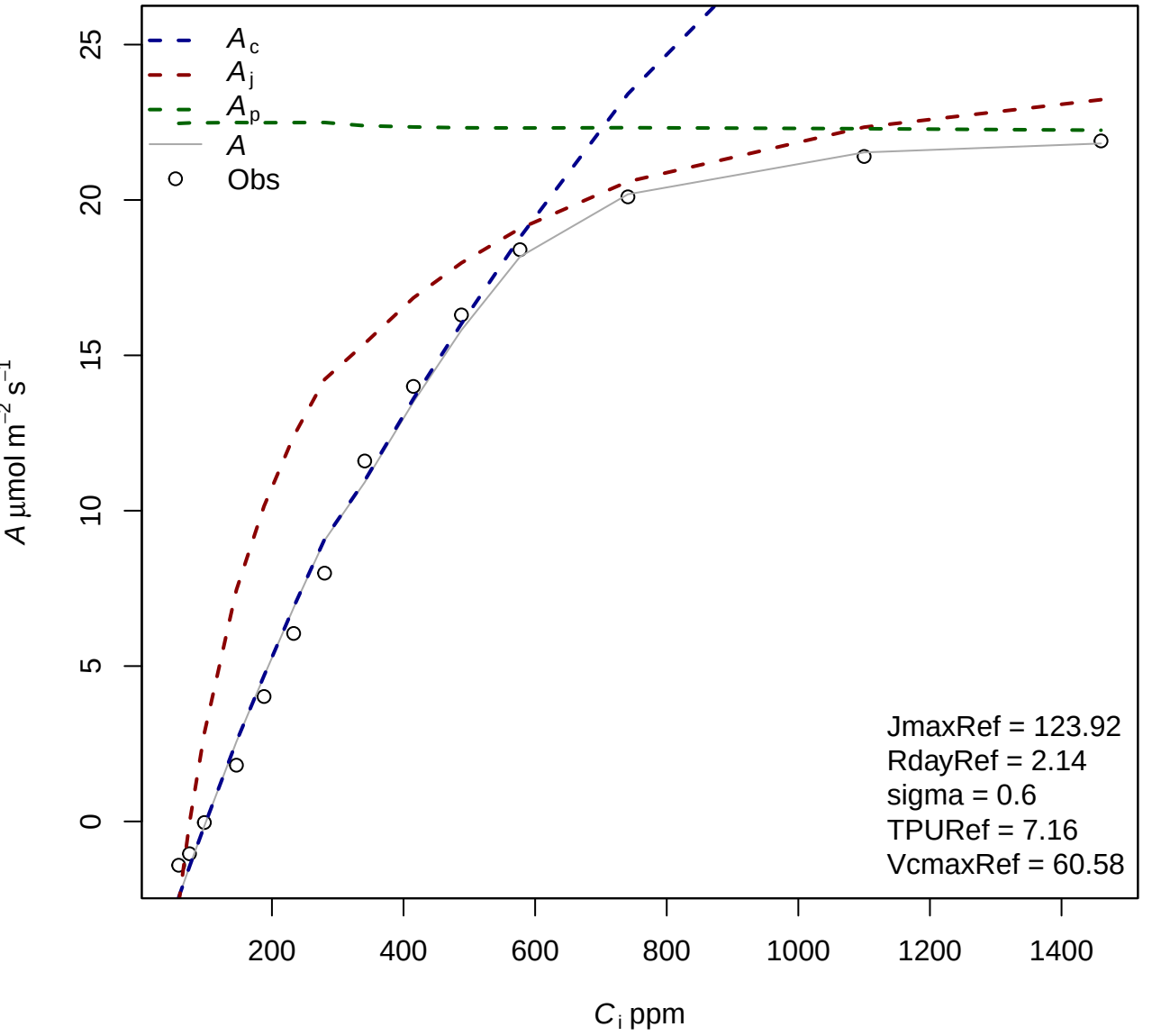

62
A_c
A_j
A_p
A
Obs
JmaxRef = 45.72
RdayRef = 0.29
sigma = 0.26
TPURef = 491.58
VcmaxRef = 27.79
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
0
200
400
600
800
1000

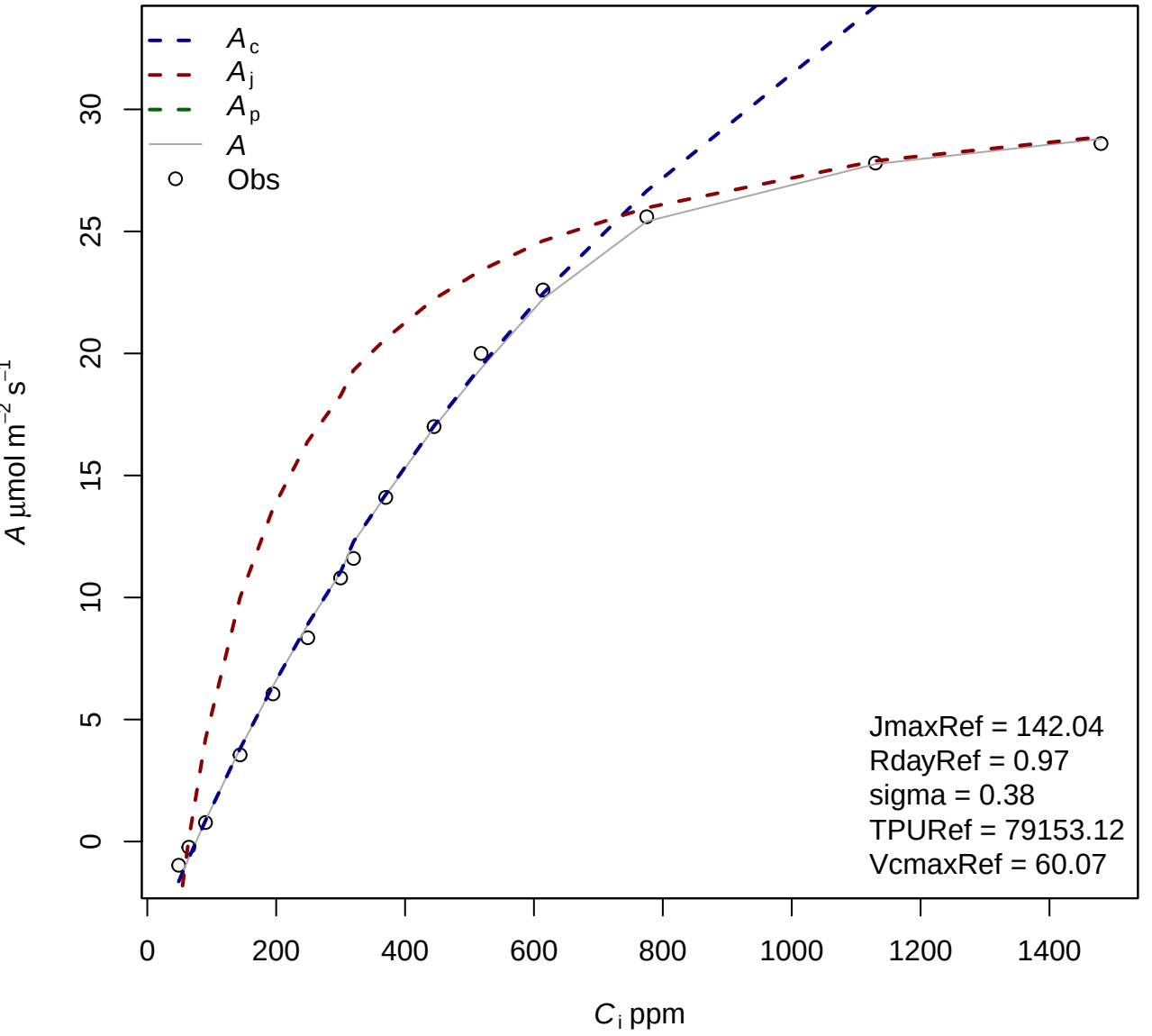

A_c
A_j
A_p
A
Obs
JmaxRef = 169.34
RdayRef = −0.94
sigma = 0.34
TPURef = 10.14
VcmaxRef = 66.81
0
10
20
30
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

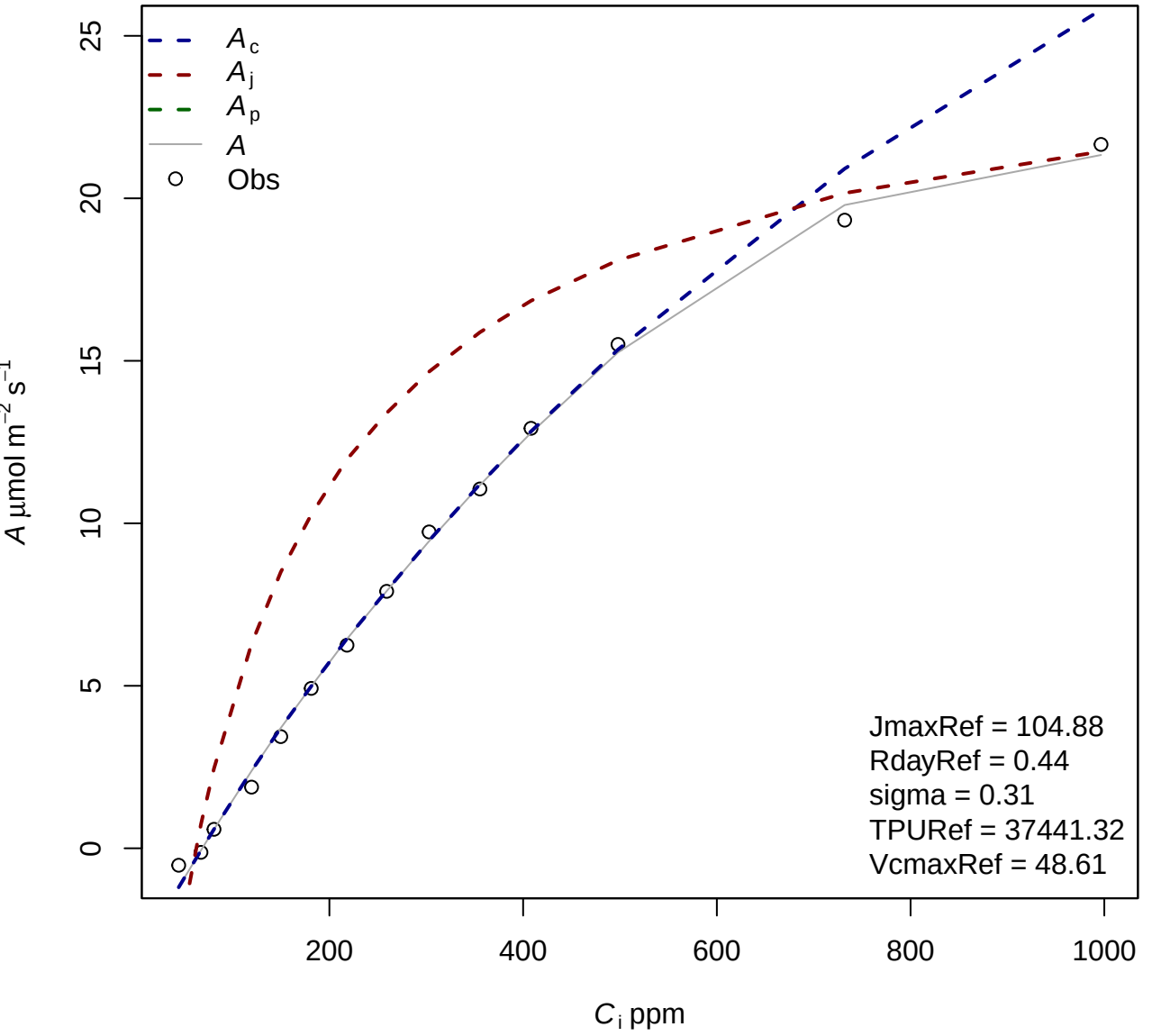

A_c
A_j
A_p
A
Obs
JmaxRef = 131.34
RdayRef = −0.54
sigma = 0.22
TPURef = 19.25
VcmaxRef = 51.25
0
5
10
15
20
25
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

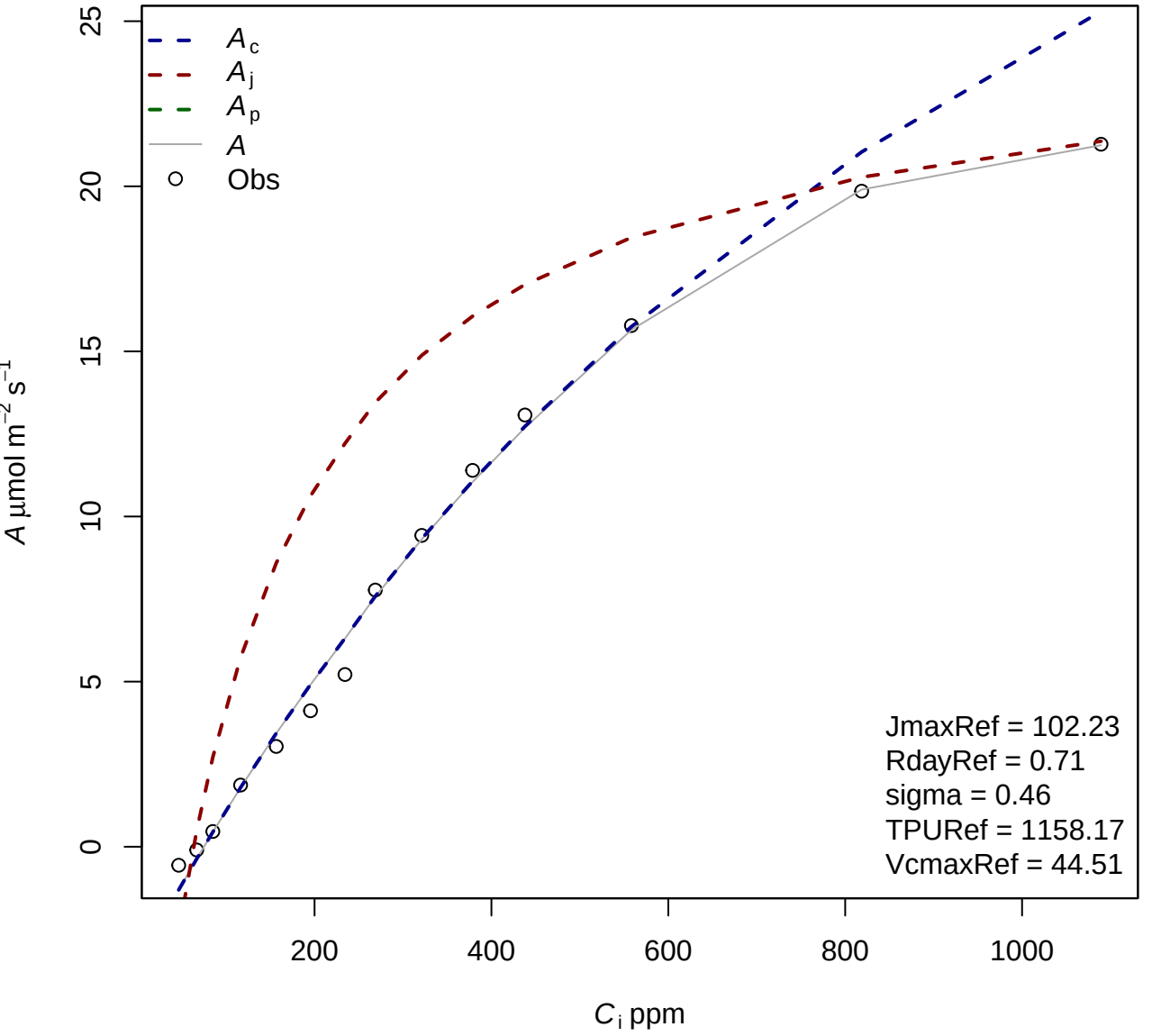

65
A_c
A_j
A_p
A
Obs
JmaxRef = 127.9
RdayRef = 0.64
sigma = 0.24
TPURef = 10.25
VcmaxRef = 55.74
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200

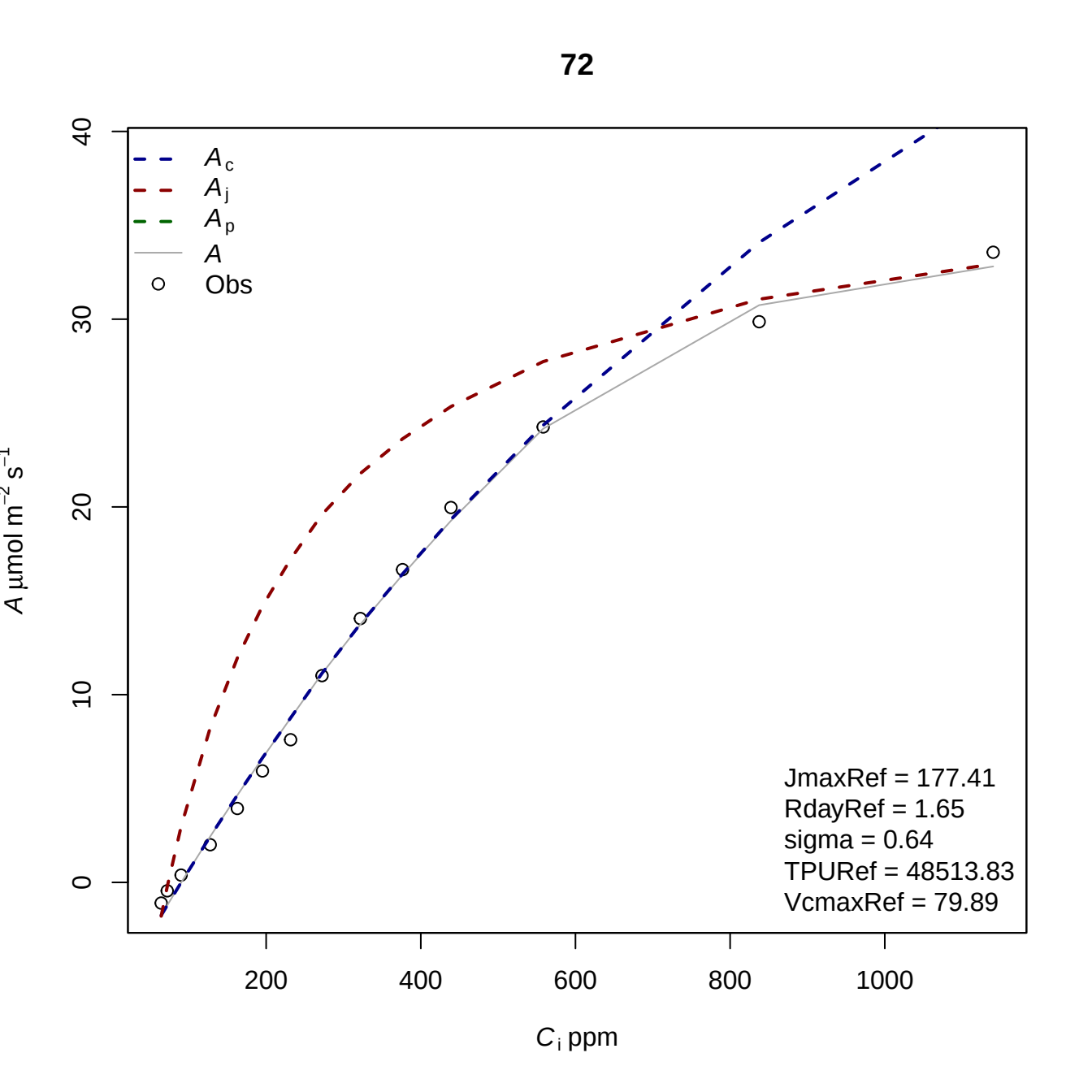

66
A_c
A_j
A_p
A
Obs
JmaxRef = 143.69
RdayRef = 0.6
sigma = 0.27
TPURef = 10.47
VcmaxRef = 59.89
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

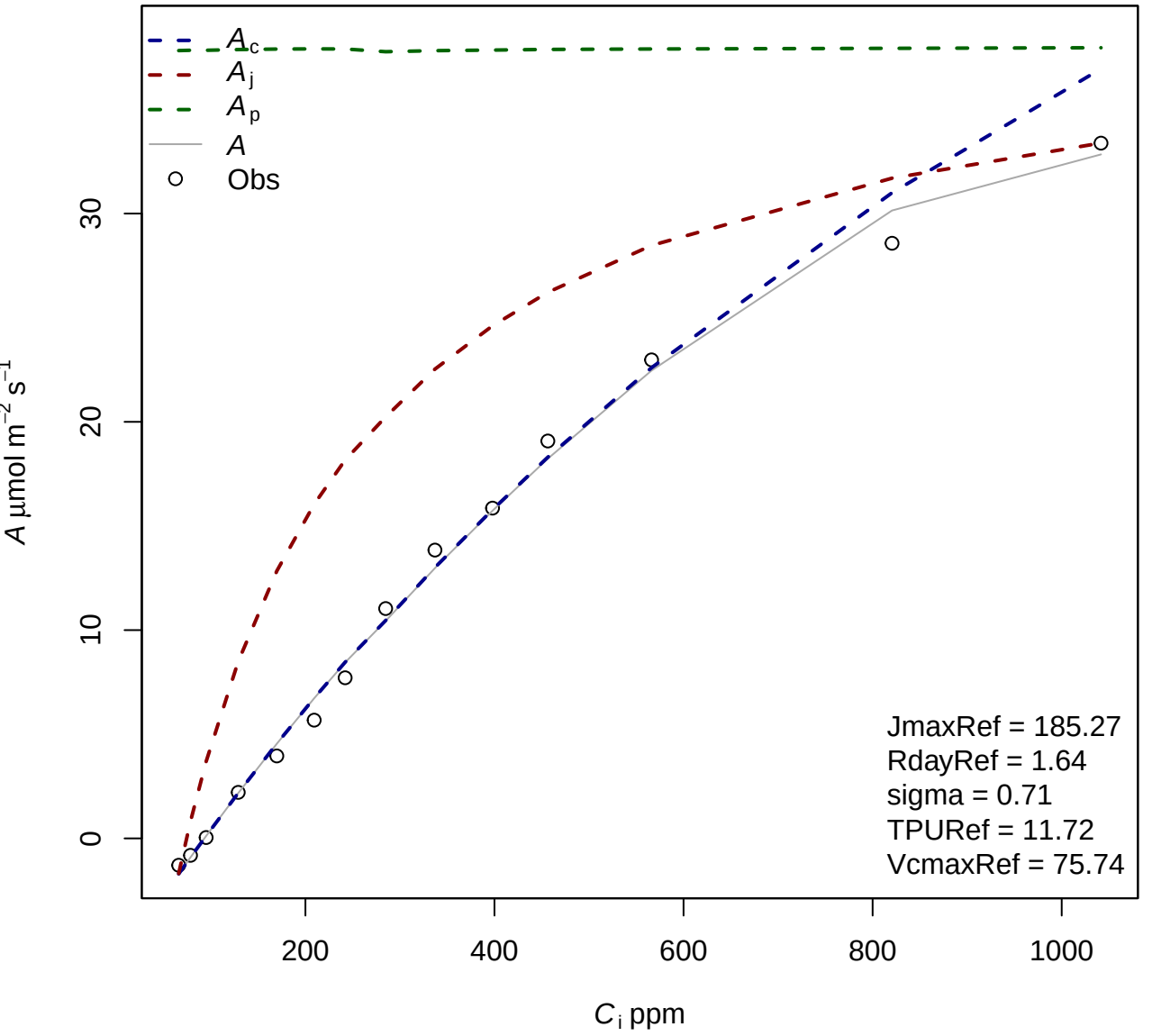

A_c
A_j
A_p
A
Obs
JmaxRef = 123.92
RdayRef = 2.14
sigma = 0.6
TPURef = 7.16
VcmaxRef = 60.58
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200
1400

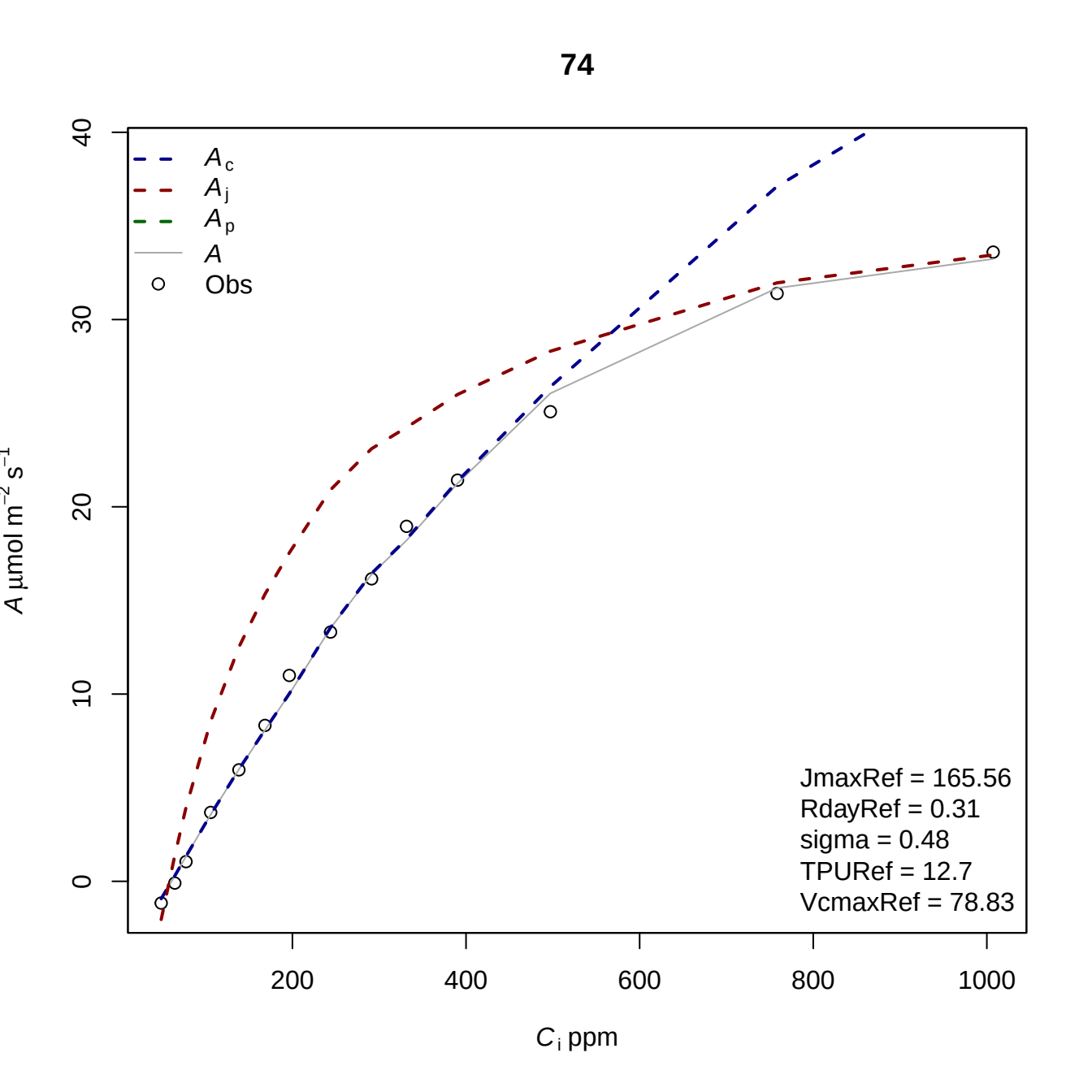

A_c
A_j
A_p
A
Obs
JmaxRef = 142.04
RdayRef = 0.97
sigma = 0.38
TPURef = 79153.12
VcmaxRef = 60.07
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

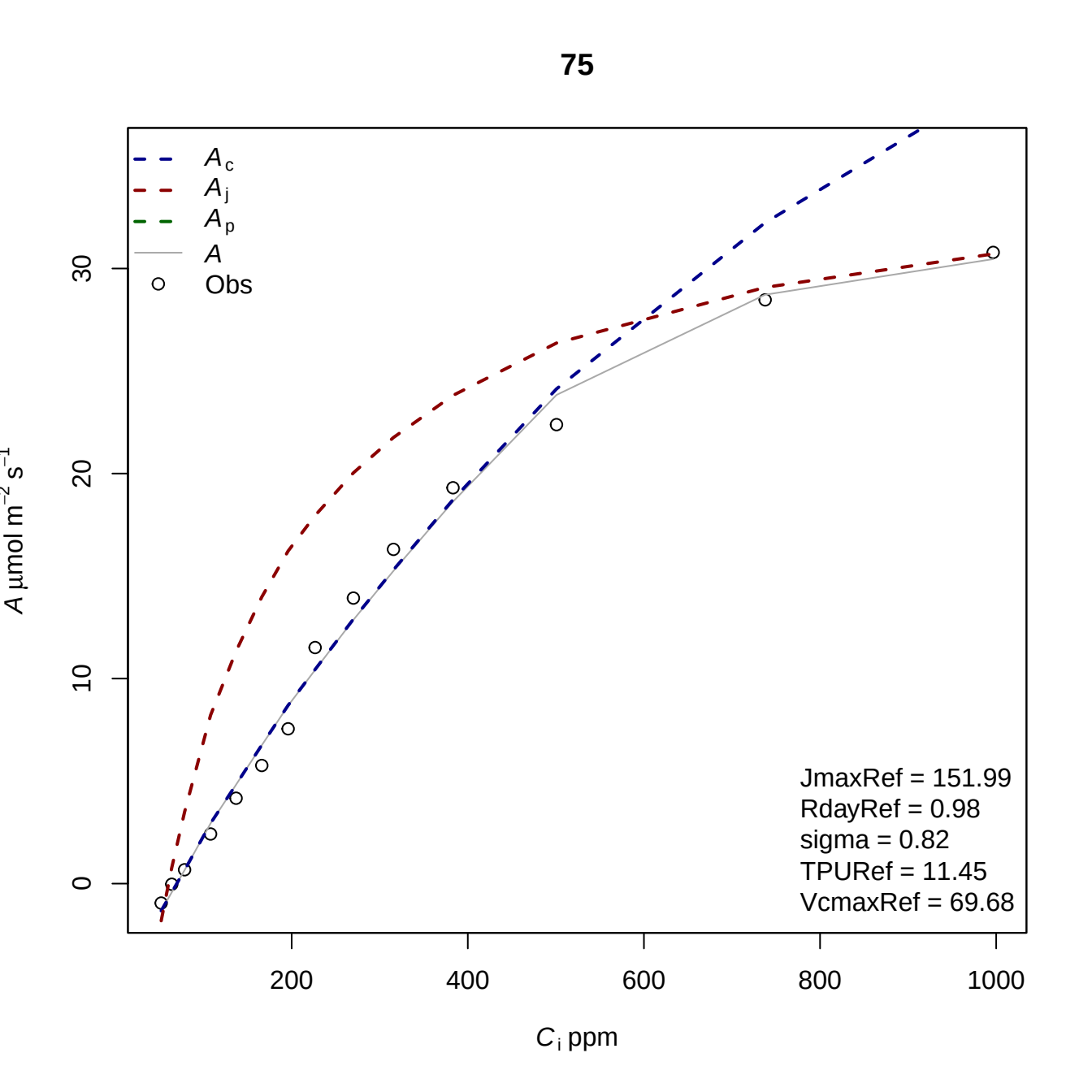

A_c
A_j
A_p
A
Obs
JmaxRef = 104.88
RdayRef = 0.44
sigma = 0.31
TPURef = 37441.32
VcmaxRef = 48.61
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

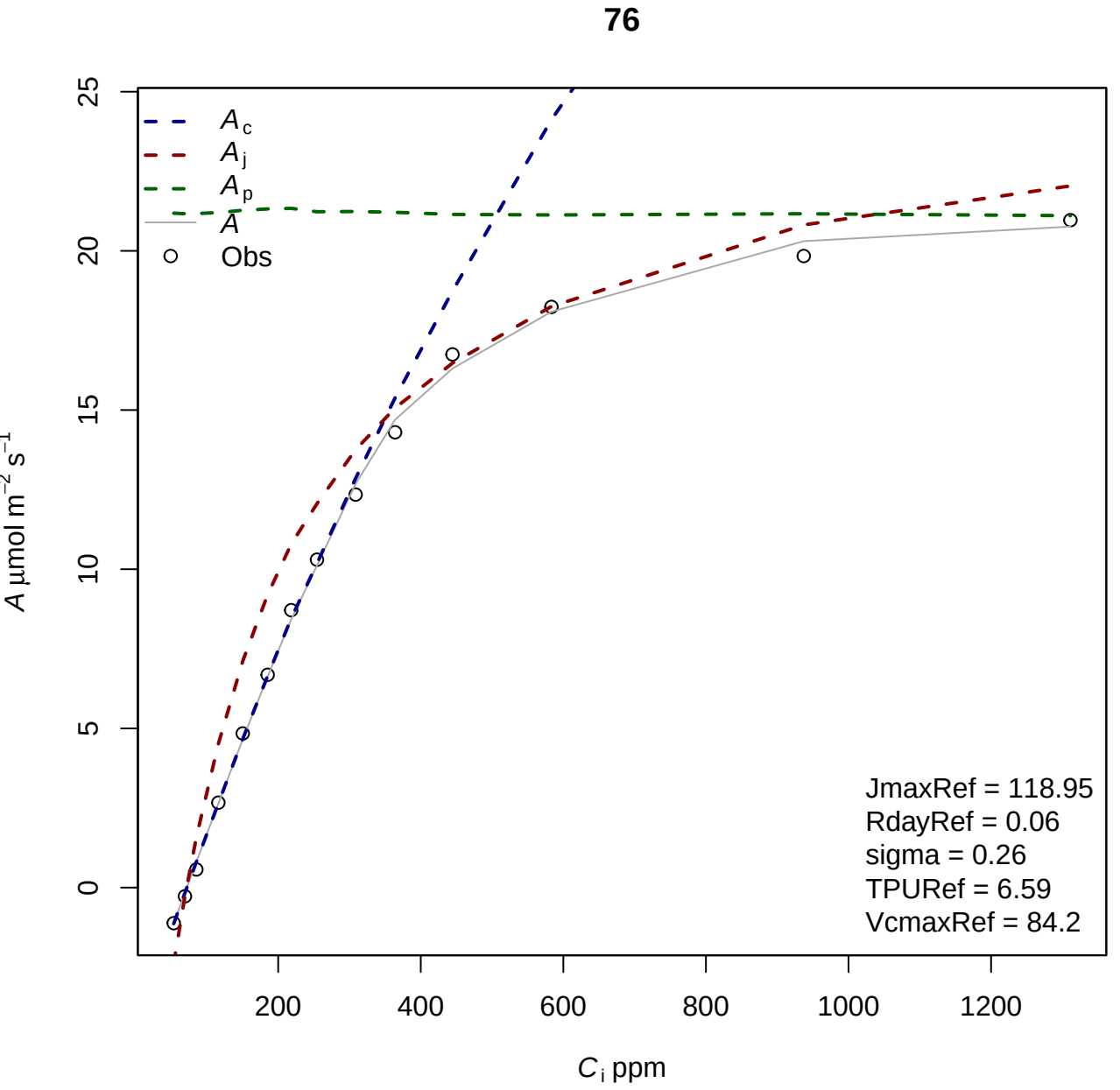

A_c
A_j
A_p
A
Obs
JmaxRef = 102.23
RdayRef = 0.71
sigma = 0.46
TPURef = 1158.17
VcmaxRef = 44.51
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

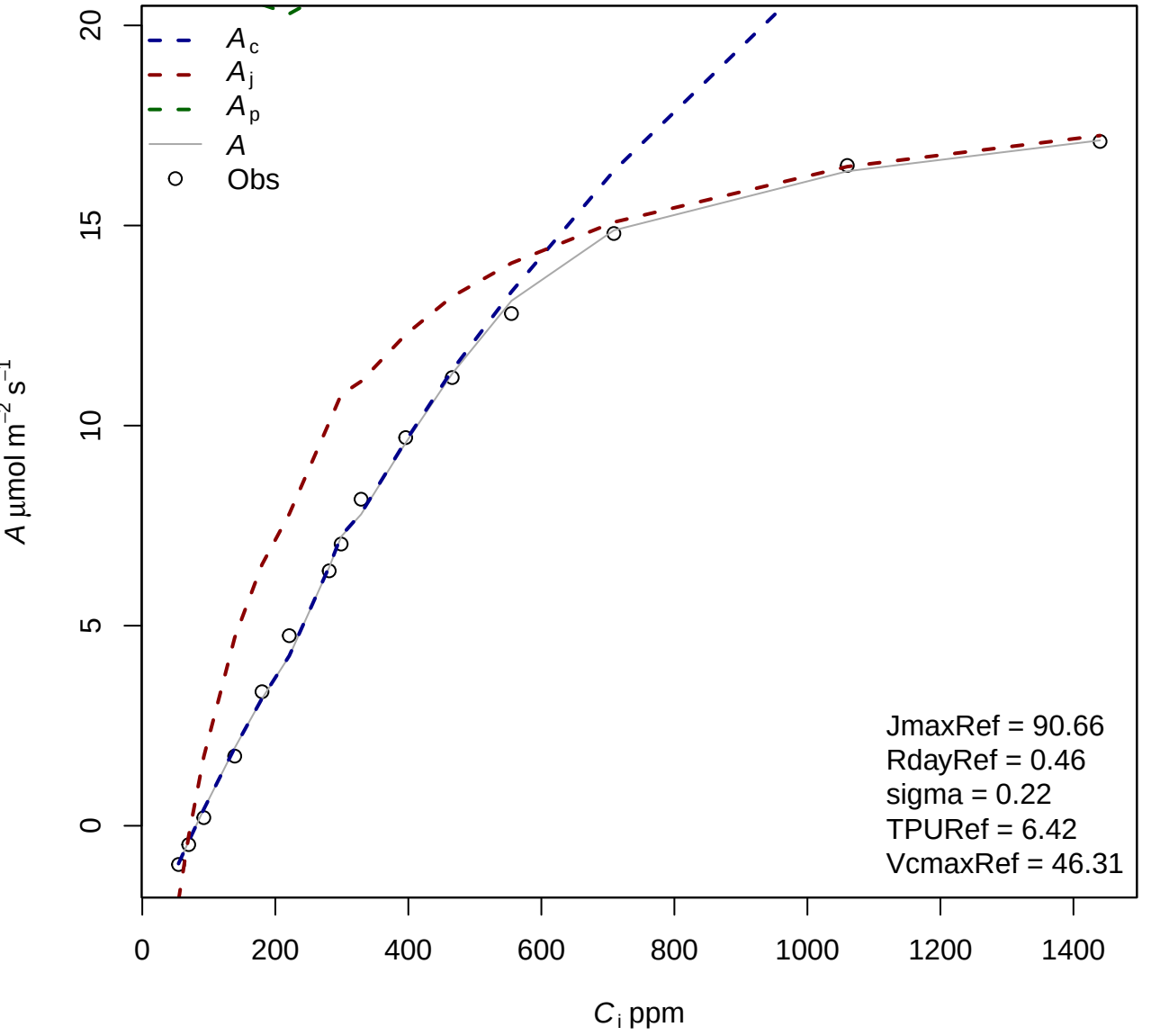

72
A_c
A_j
A_p
A
Obs
JmaxRef = 177.41
RdayRef = 1.65
sigma = 0.64
TPURef = 48513.83
VcmaxRef = 79.89
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000

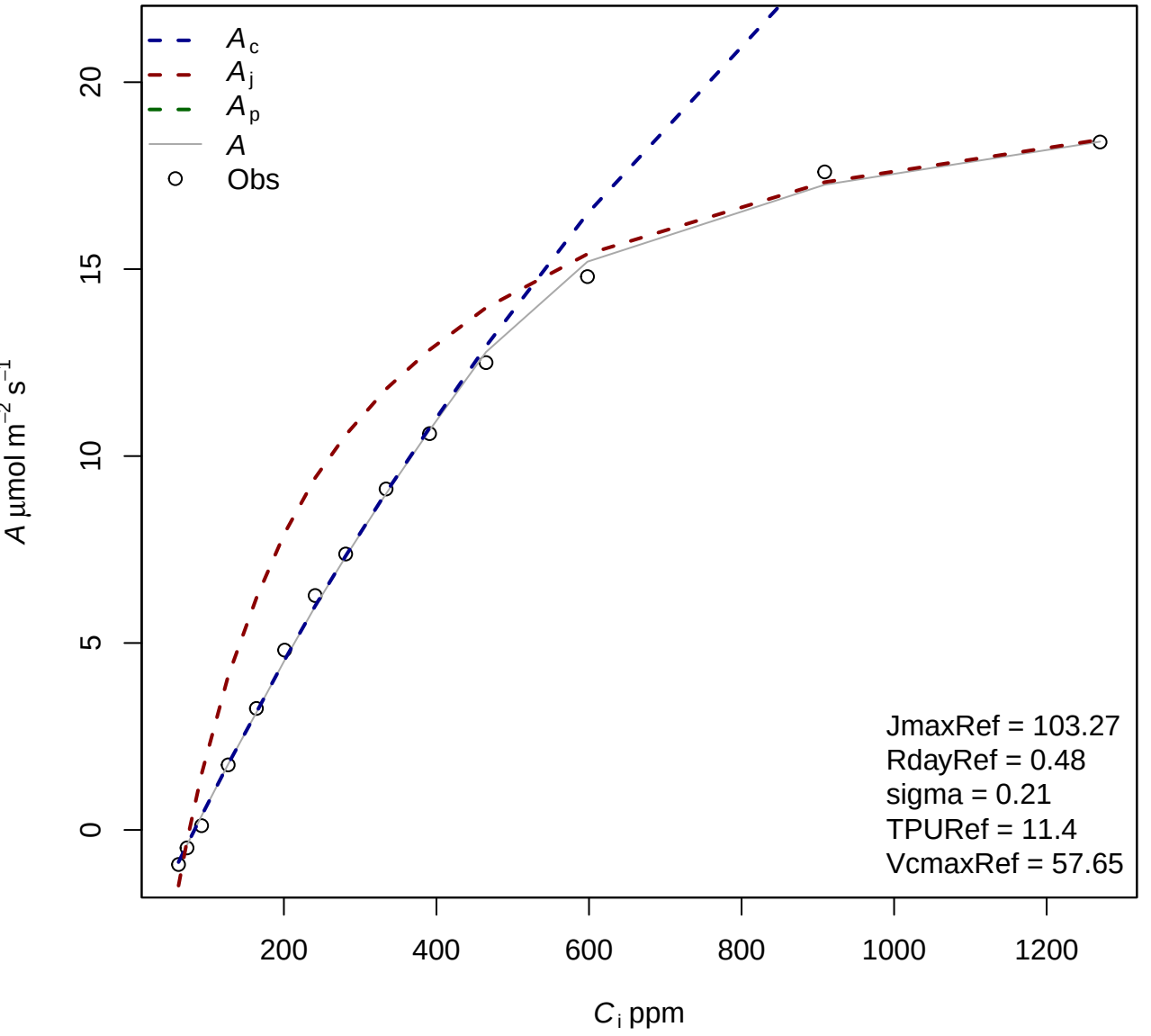

A_c
A_j
A_p
A
Obs
JmaxRef = 185.27
RdayRef = 1.64
sigma = 0.71
TPURef = 11.72
VcmaxRef = 75.74
0
10
20
30
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

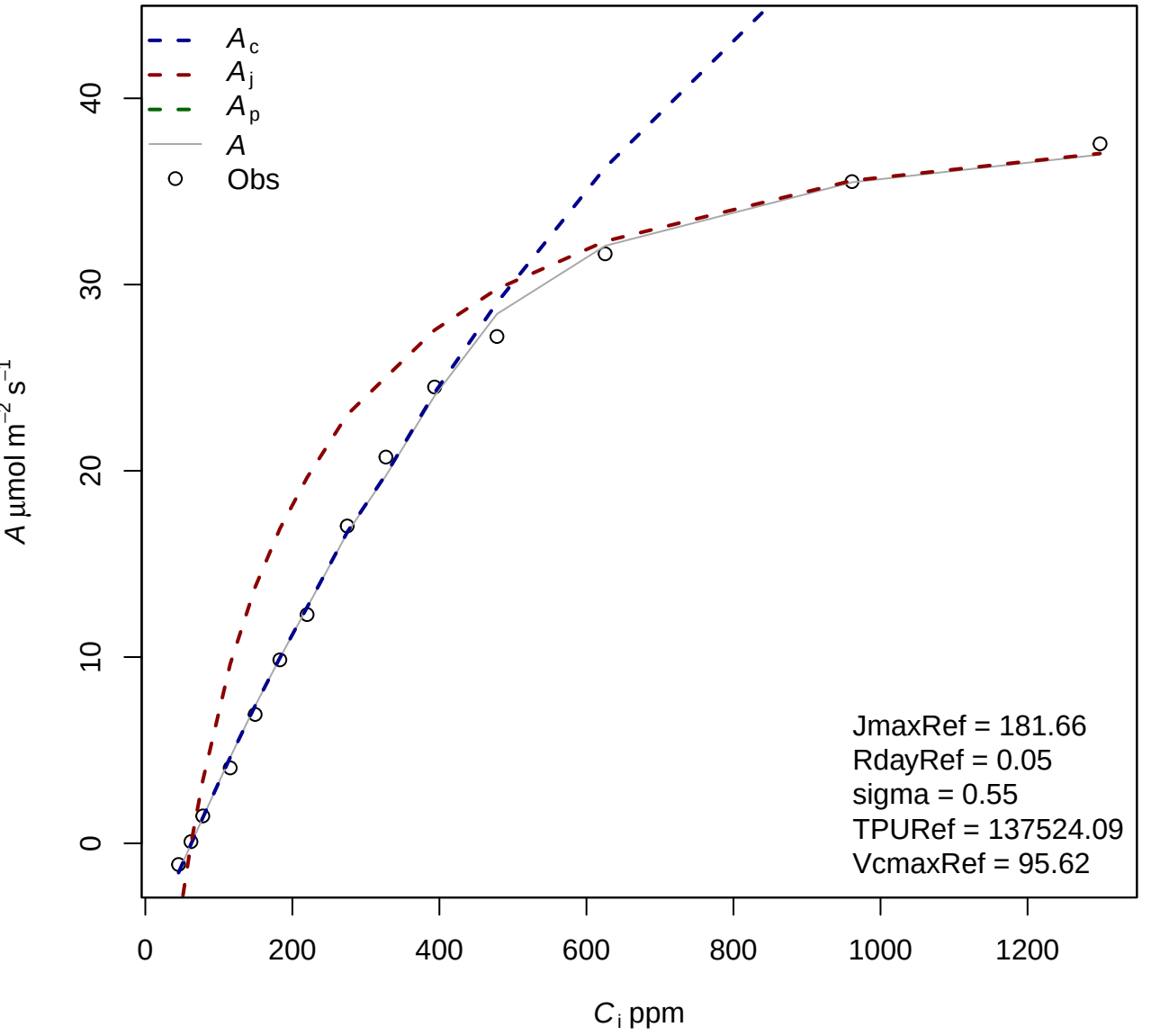

74
A_c
A_j
A_p
A
Obs
JmaxRef = 165.56
RdayRef = 0.31
sigma = 0.48
TPURef = 12.7
VcmaxRef = 78.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000

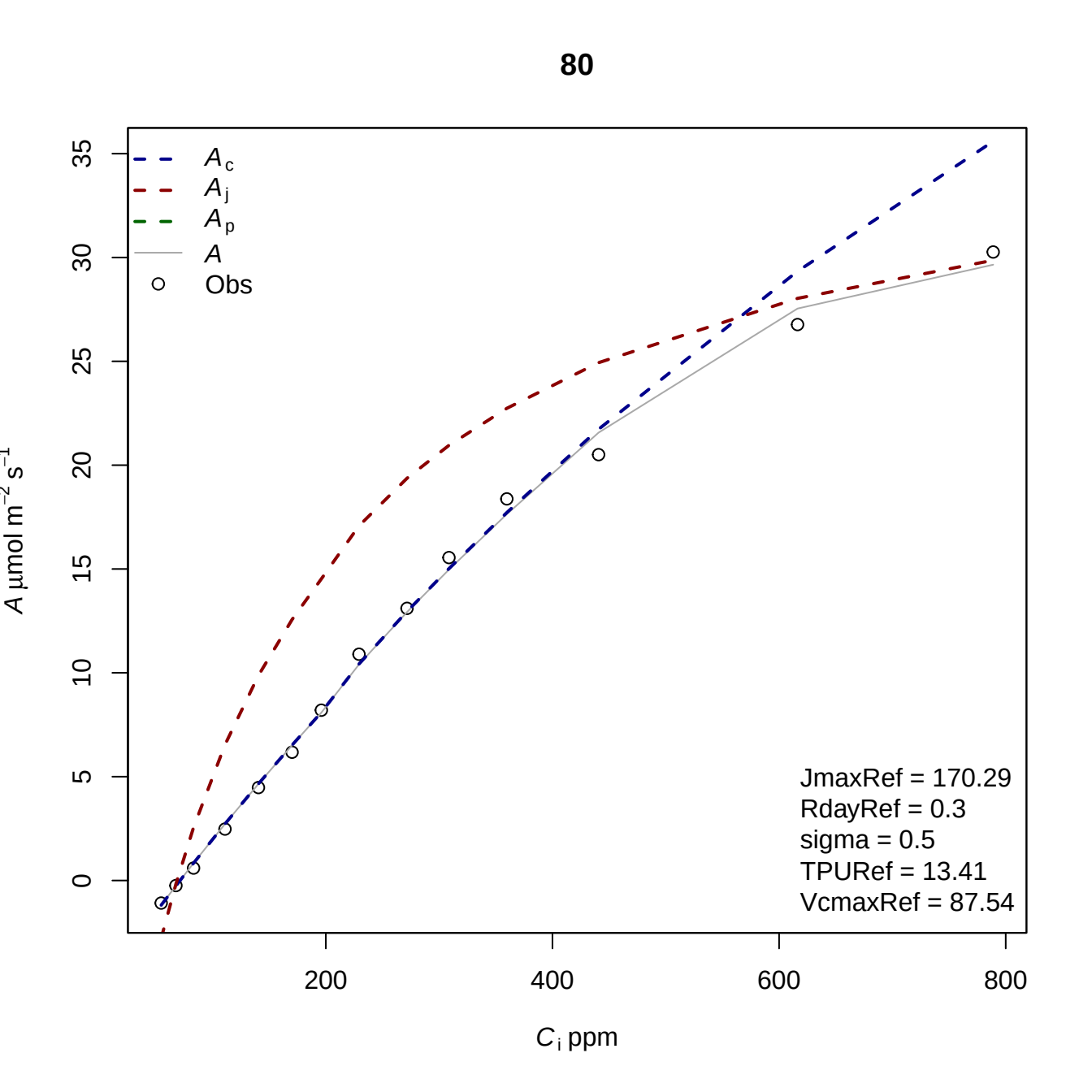

75
A_c
A_j
A_p
A
Obs
JmaxRef = 151.99
RdayRef = 0.98
sigma = 0.82
TPURef = 11.45
VcmaxRef = 69.68
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
200
400
600
800
1000

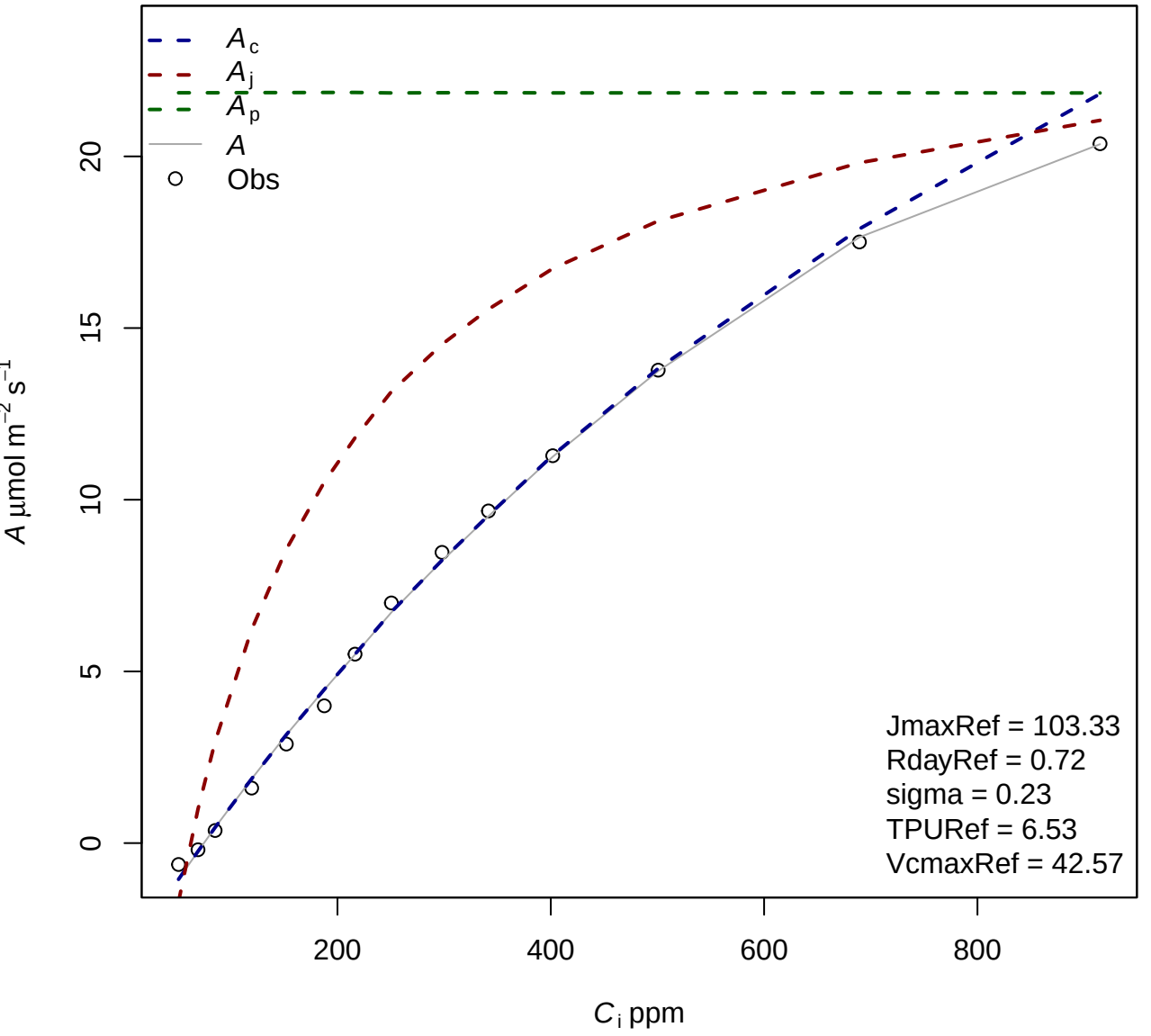

76
A_c
A_j
A_p
A
Obs
JmaxRef = 118.95
RdayRef = 0.06
sigma = 0.26
TPURef = 6.59
VcmaxRef = 84.2
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200

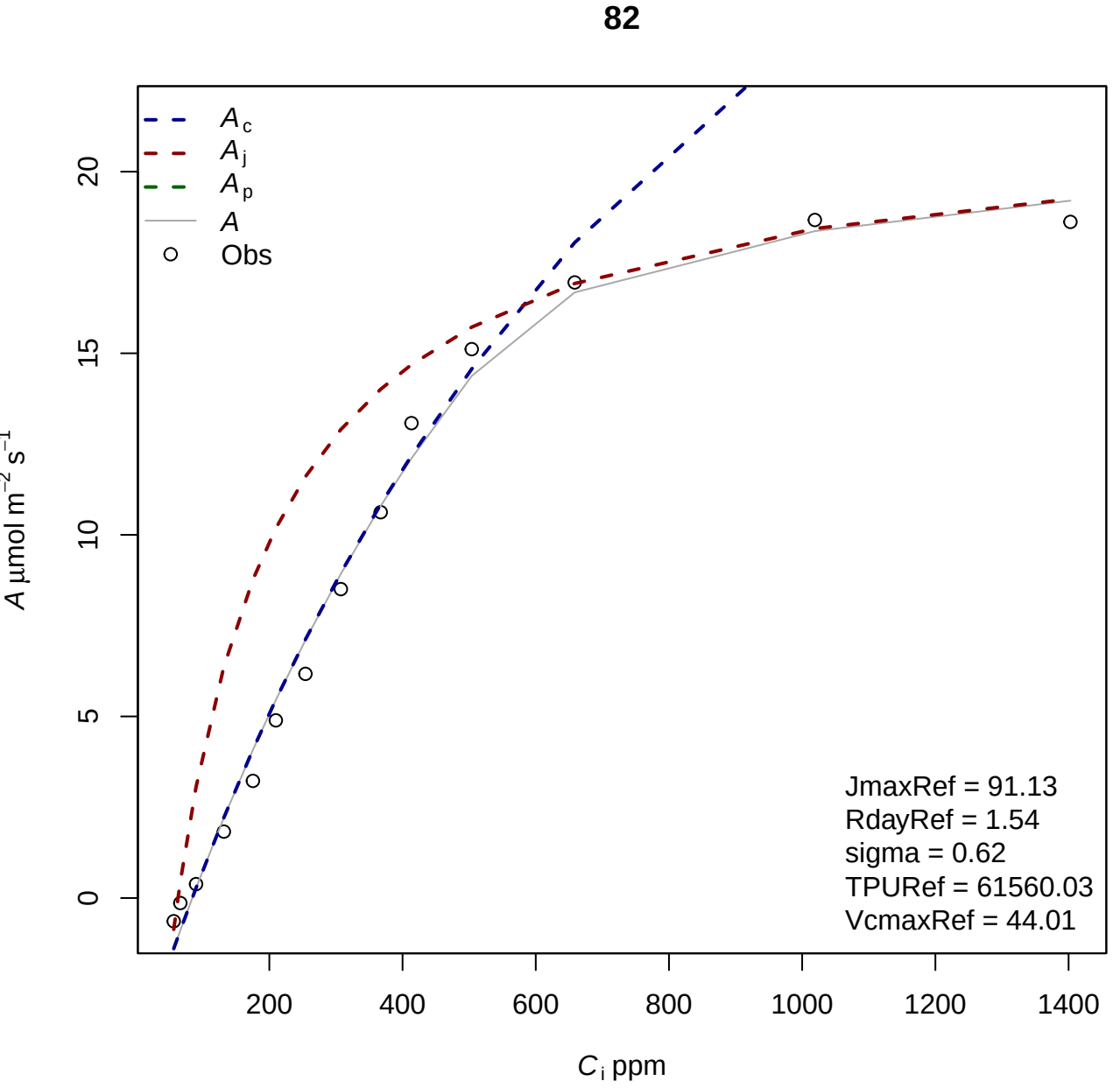

A_c
A_j
A_p
A
Obs
JmaxRef = 90.66
RdayRef = 0.46
sigma = 0.22
TPURef = 6.42
VcmaxRef = 46.31
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

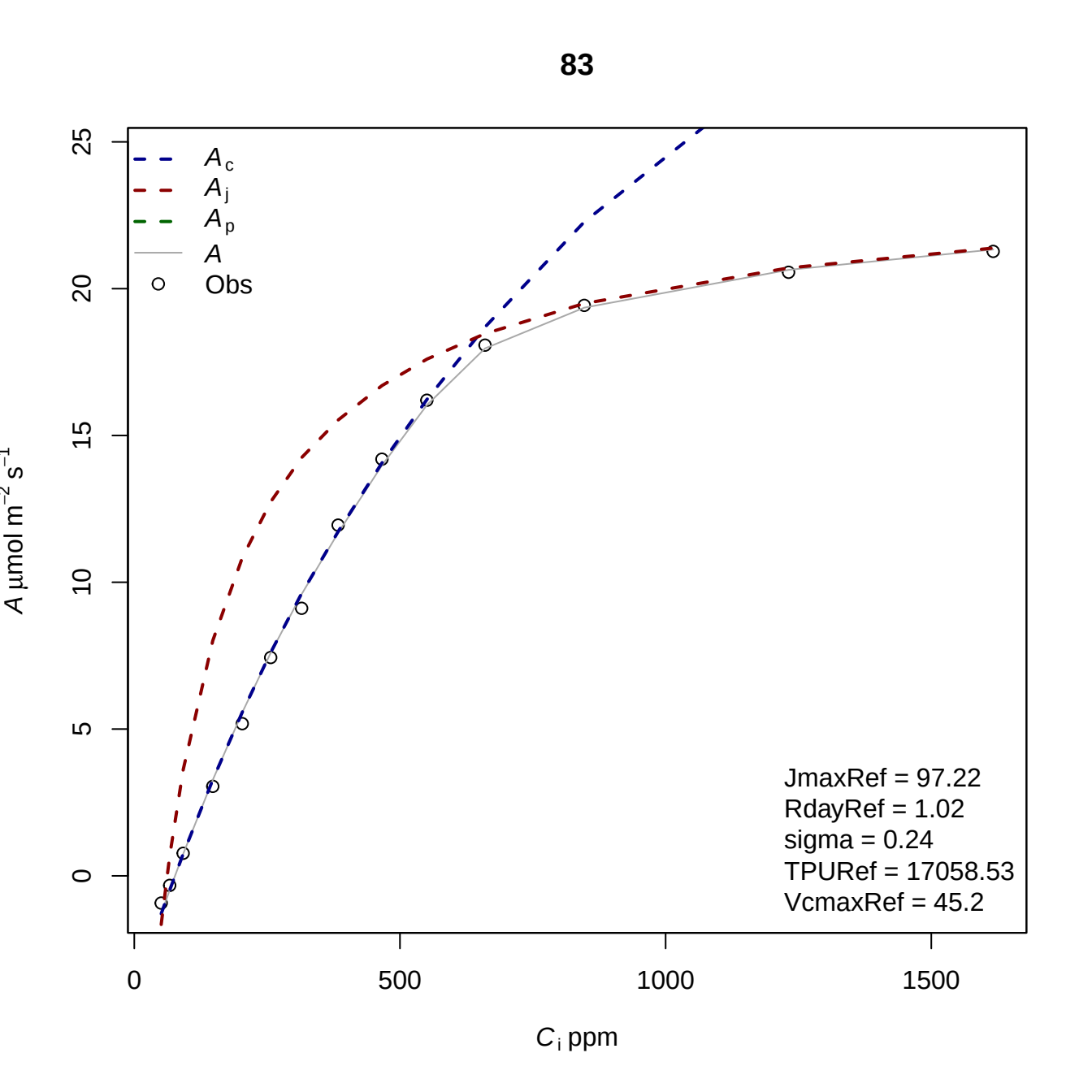

A_c
A_j
A_p
A
Obs
JmaxRef = 103.27
RdayRef = 0.48
sigma = 0.21
TPURef = 11.4
VcmaxRef = 57.65
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

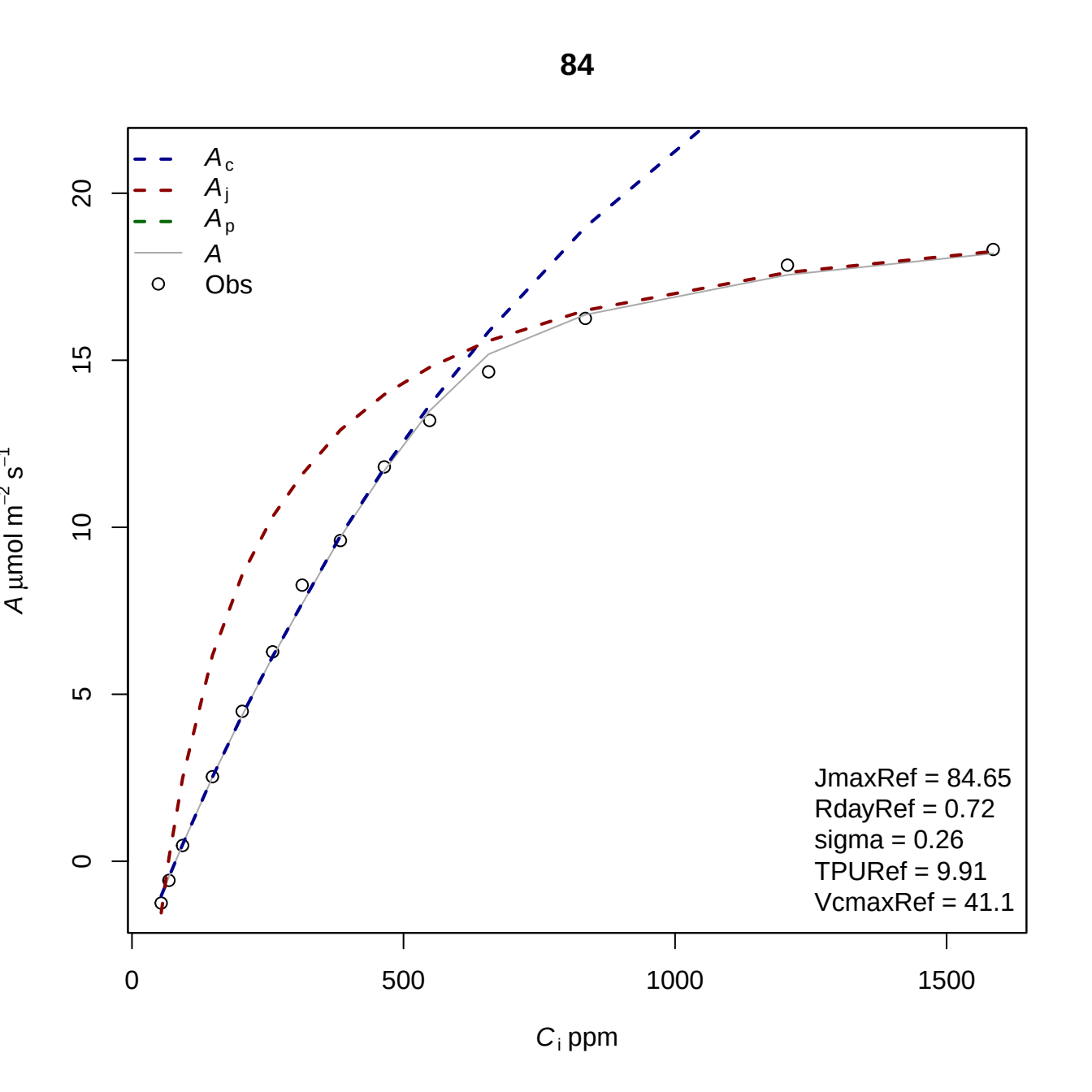

A_c
A_j
A_p
A
Obs
JmaxRef = 181.66
RdayRef = 0.05
sigma = 0.55
TPURef = 137524.09
VcmaxRef = 95.62
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200

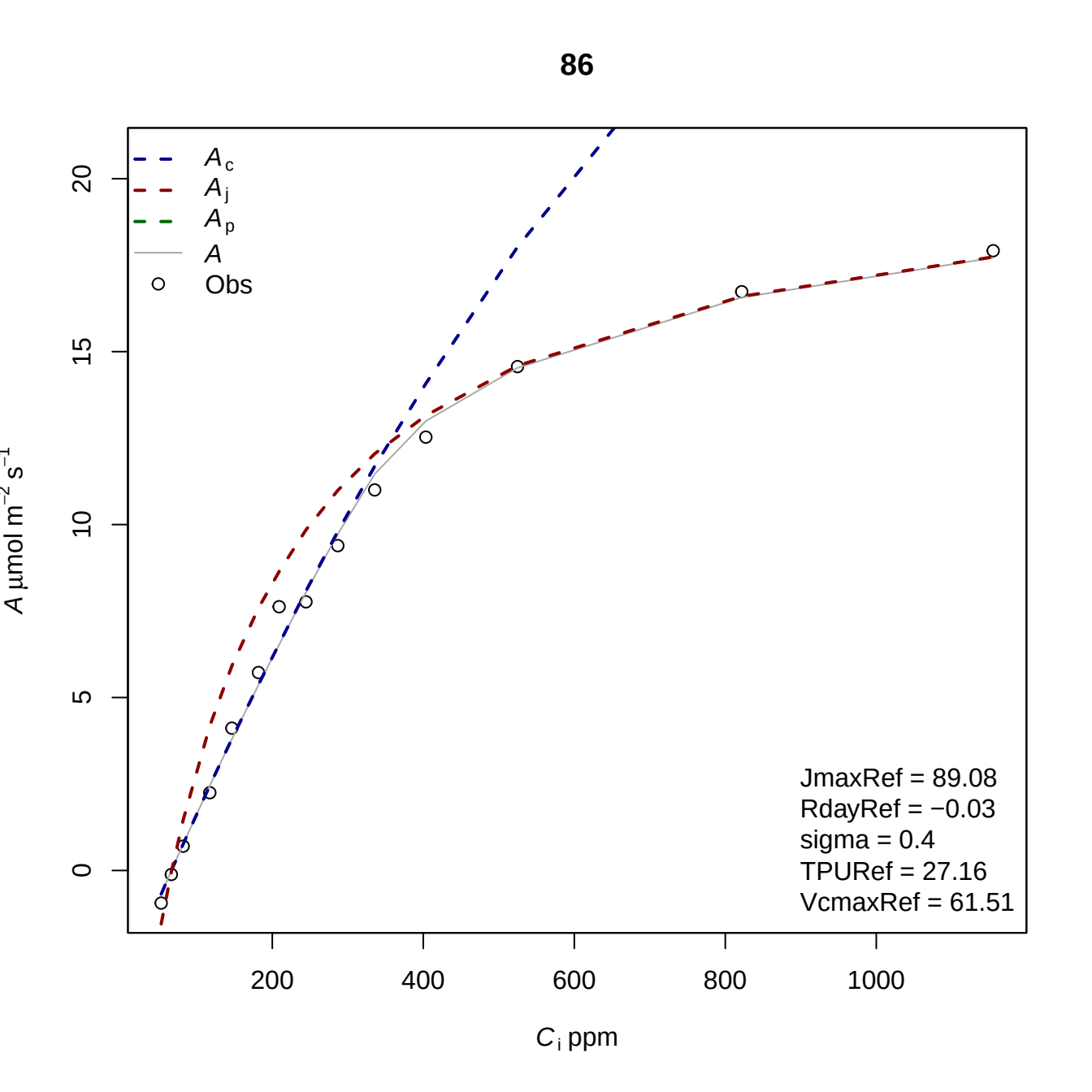

80
A_c
A_j
A_p
A
Obs
JmaxRef = 170.29
RdayRef = 0.3
sigma = 0.5
TPURef = 13.41
VcmaxRef = 87.54
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
200
400
600
800

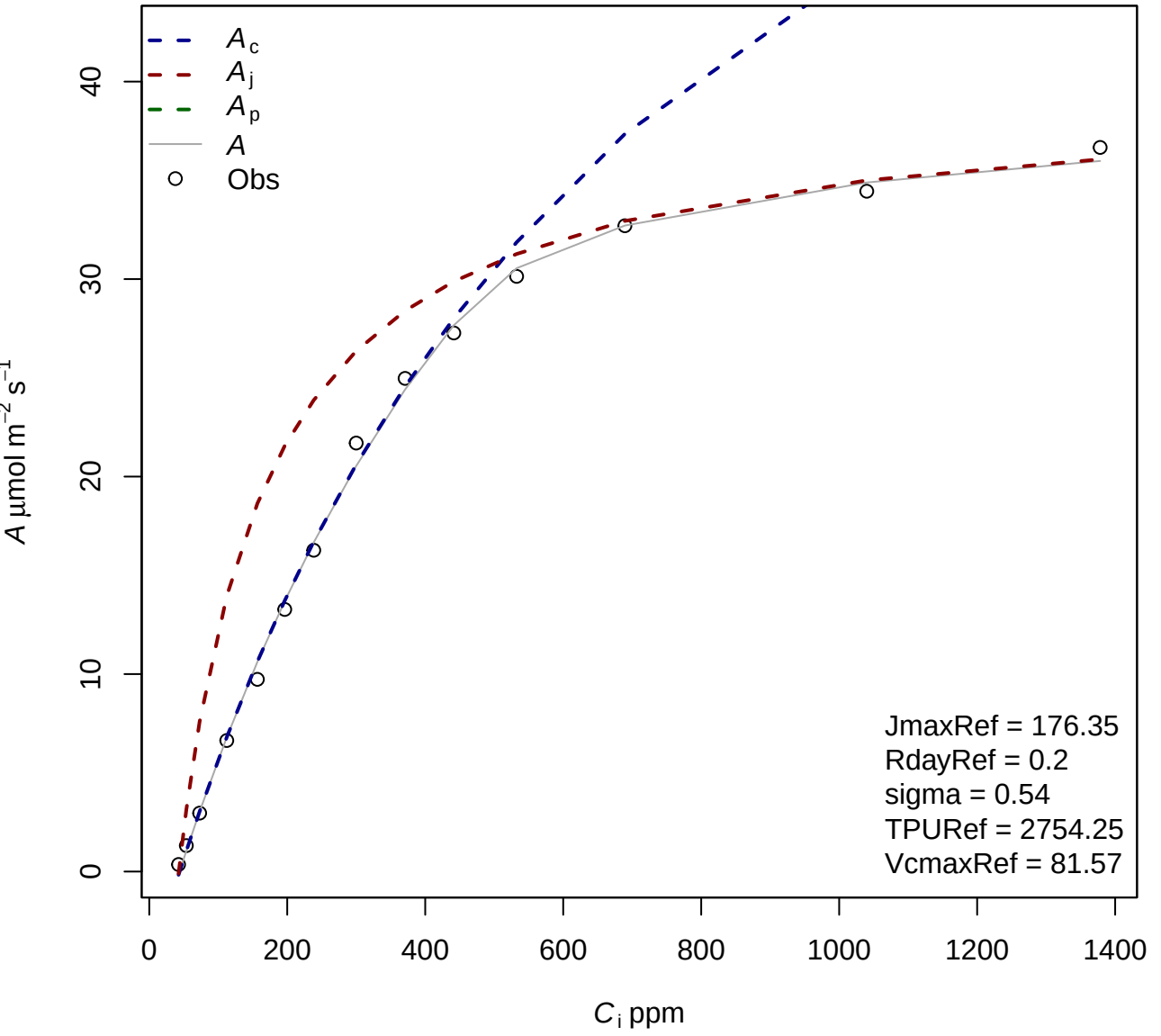

A_c
A_j
A_p
A
Obs
JmaxRef = 103.33
RdayRef = 0.72
sigma = 0.23
TPURef = 6.53
VcmaxRef = 42.57
0
5
10
15
20
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

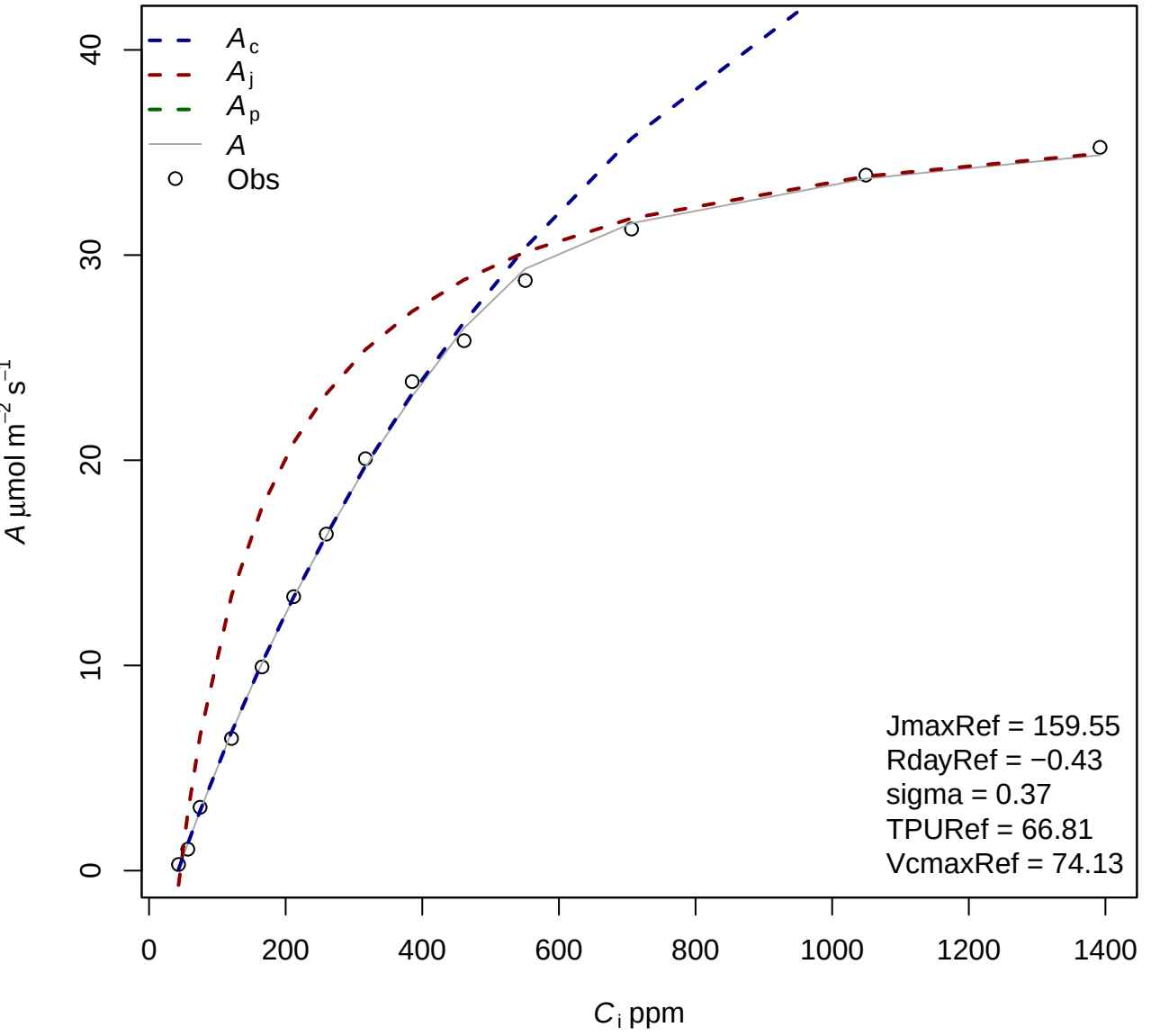

82
A_c
A_j
A_p
A
Obs
JmaxRef = 91.13
RdayRef = 1.54
sigma = 0.62
TPURef = 61560.03
VcmaxRef = 44.01
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200
1400

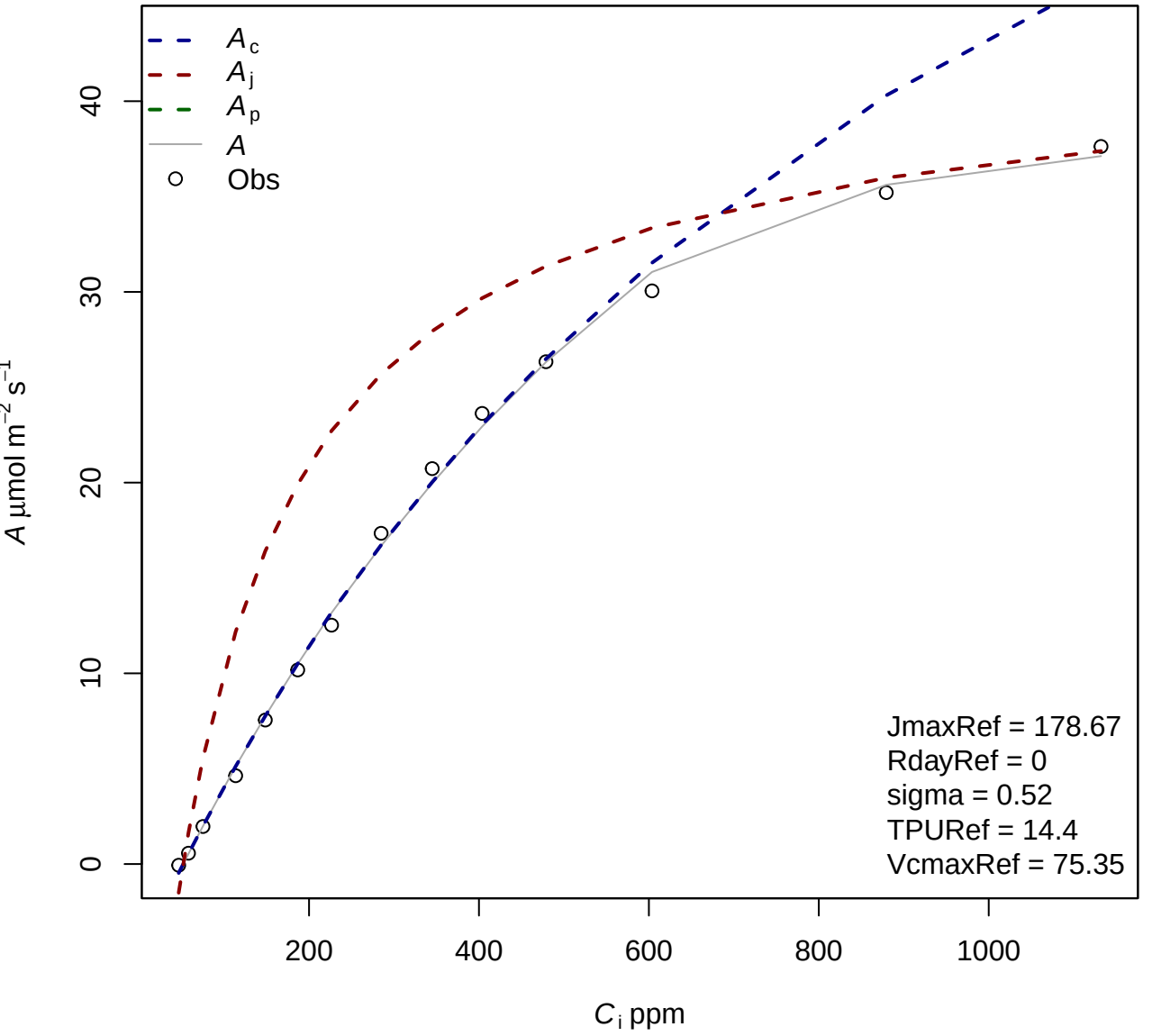

83
A_c
A_j
A_p
A
Obs
JmaxRef = 97.22
RdayRef = 1.02
sigma = 0.24
TPURef = 17058.53
VcmaxRef = 45.2
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

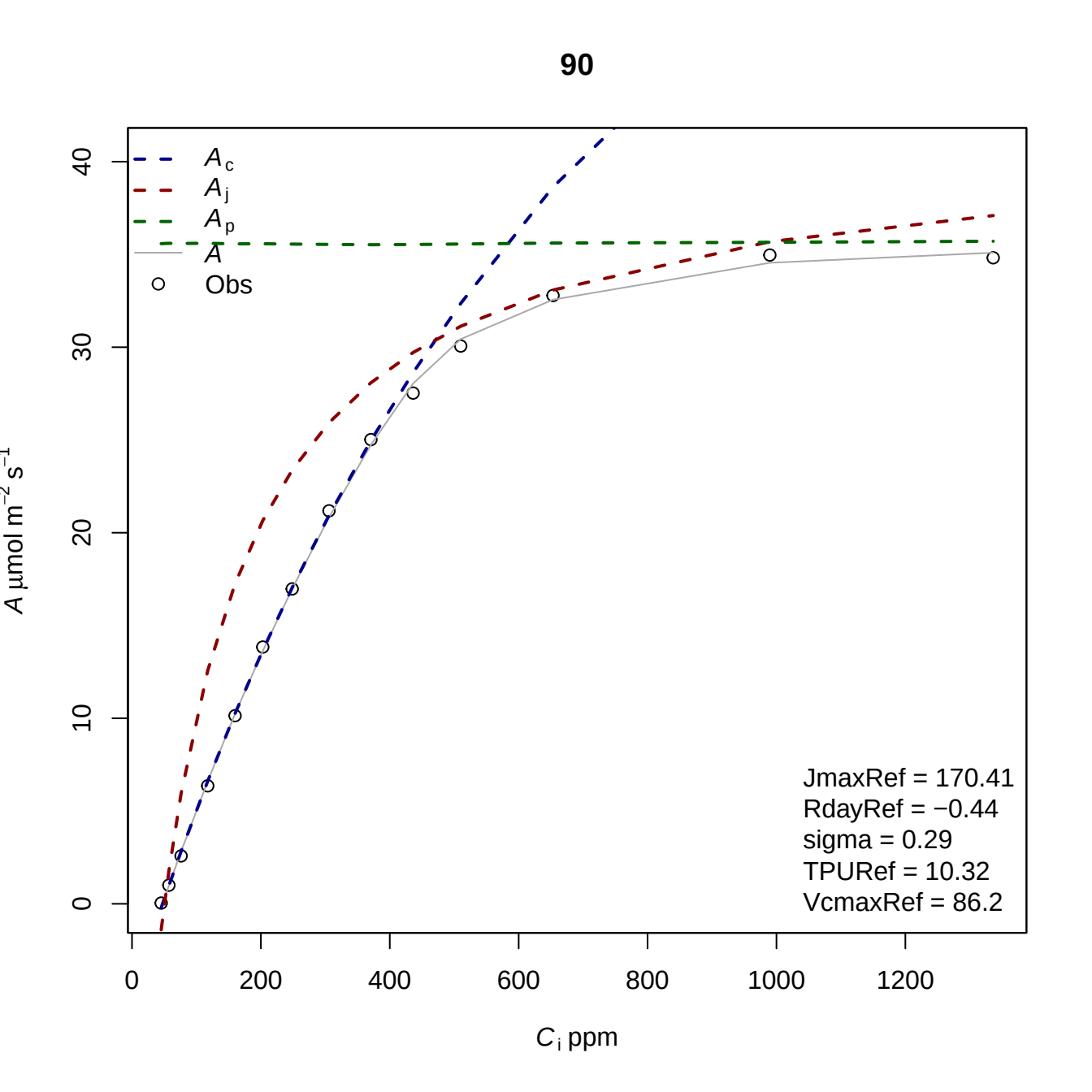

84
A_c
A_j
A_p
A
Obs
JmaxRef = 84.65
RdayRef = 0.72
sigma = 0.26
TPURef = 9.91
VcmaxRef = 41.1
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

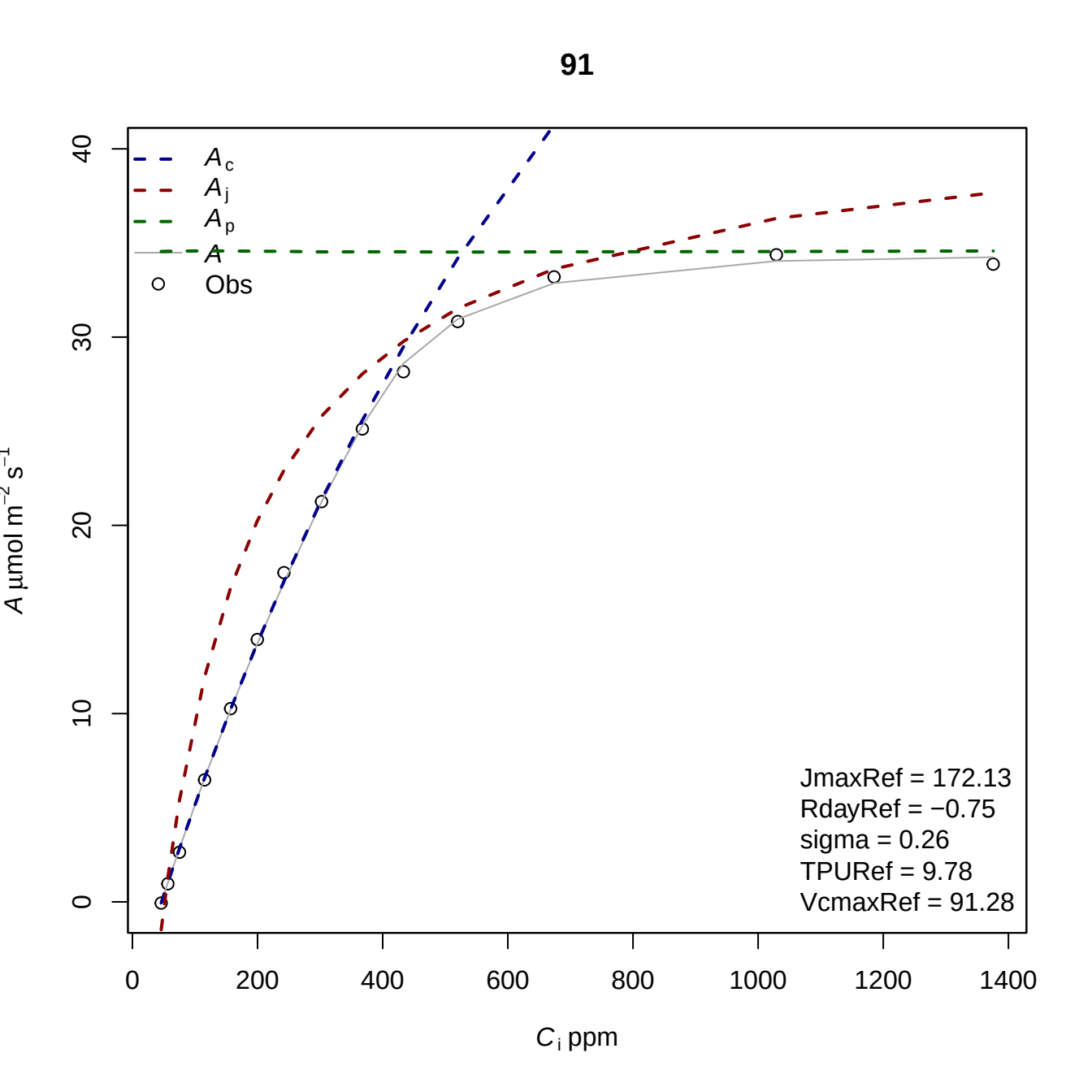

86
A_c
A_j
A_p
A
Obs
JmaxRef = 89.08
RdayRef = −0.03
sigma = 0.4
TPURef = 27.16
VcmaxRef = 61.51
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

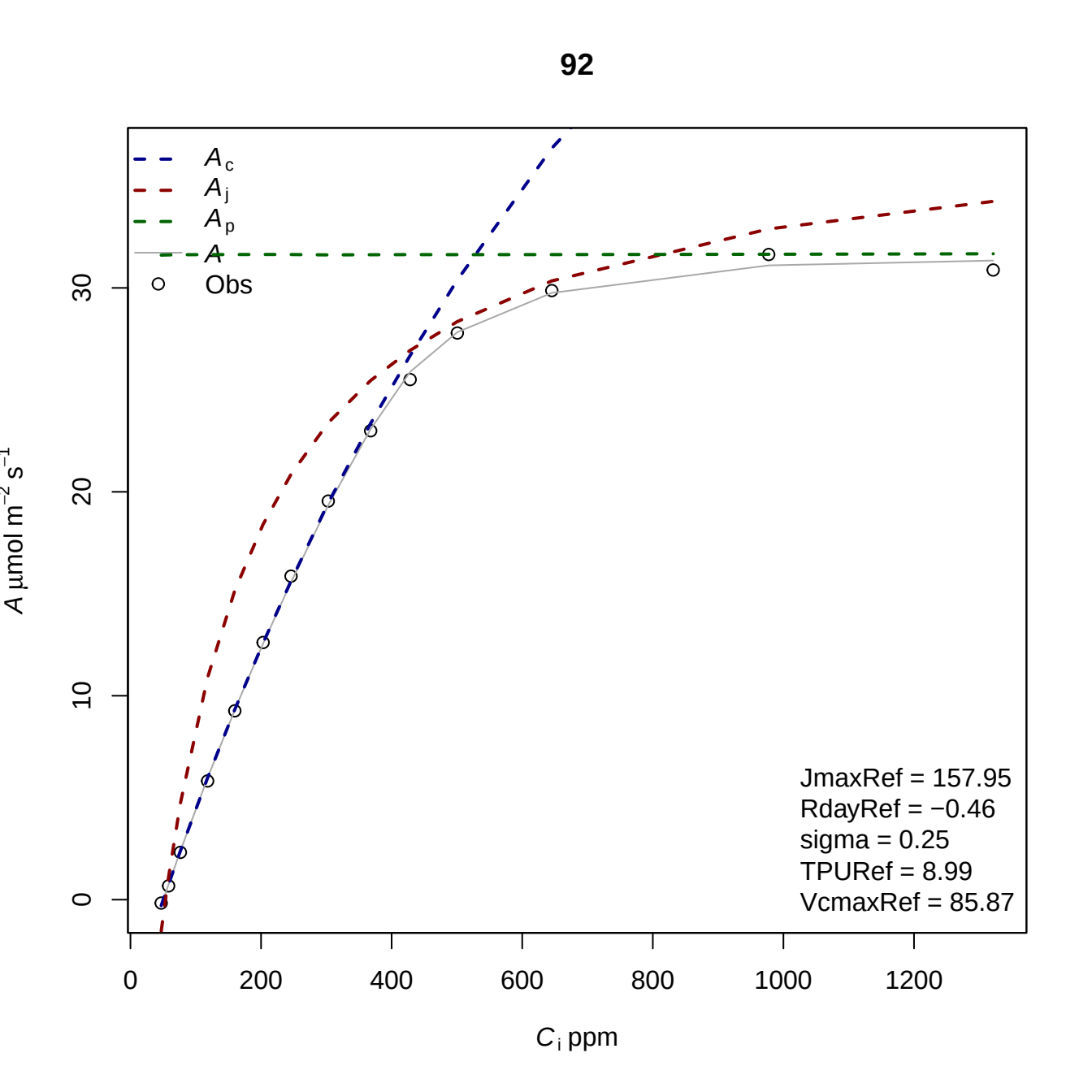

A_c
A_j
A_p
A
Obs
JmaxRef = 176.35
RdayRef = 0.2
sigma = 0.54
TPURef = 2754.25
VcmaxRef = 81.57
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200
1400

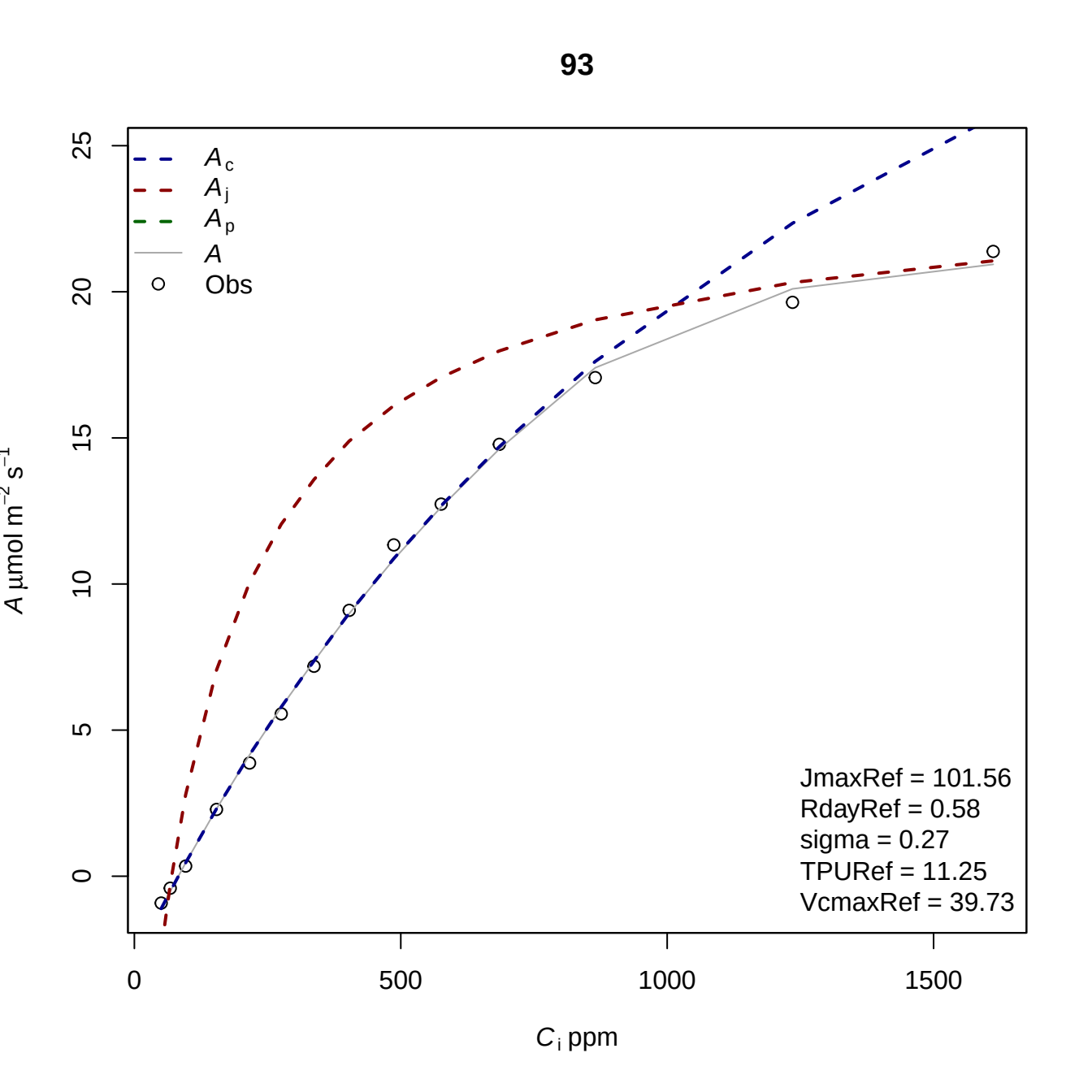

A_c
A_j
A_p
A
Obs
JmaxRef = 159.55
RdayRef = −0.43
sigma = 0.37
TPURef = 66.81
VcmaxRef = 74.13
0
10
20
30
40
A µmol m^{-2} s^{-1}
0
200
400
600
800
1000
1200
1400
C_i ppm

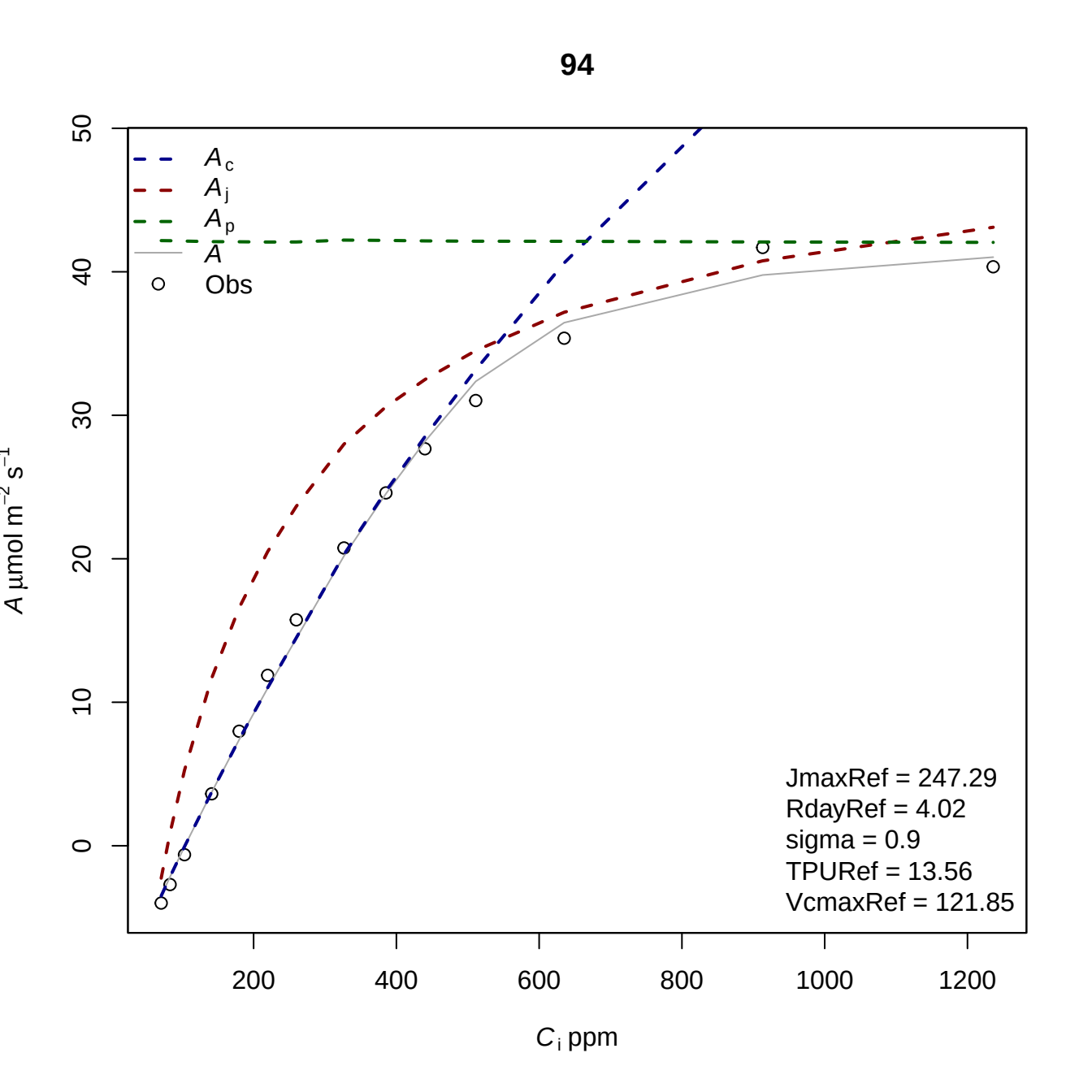

A_c
A_j
A_p
A
Obs
JmaxRef = 178.67
RdayRef = 0
sigma = 0.52
TPURef = 14.4
VcmaxRef = 75.35
0
10
20
30
40
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

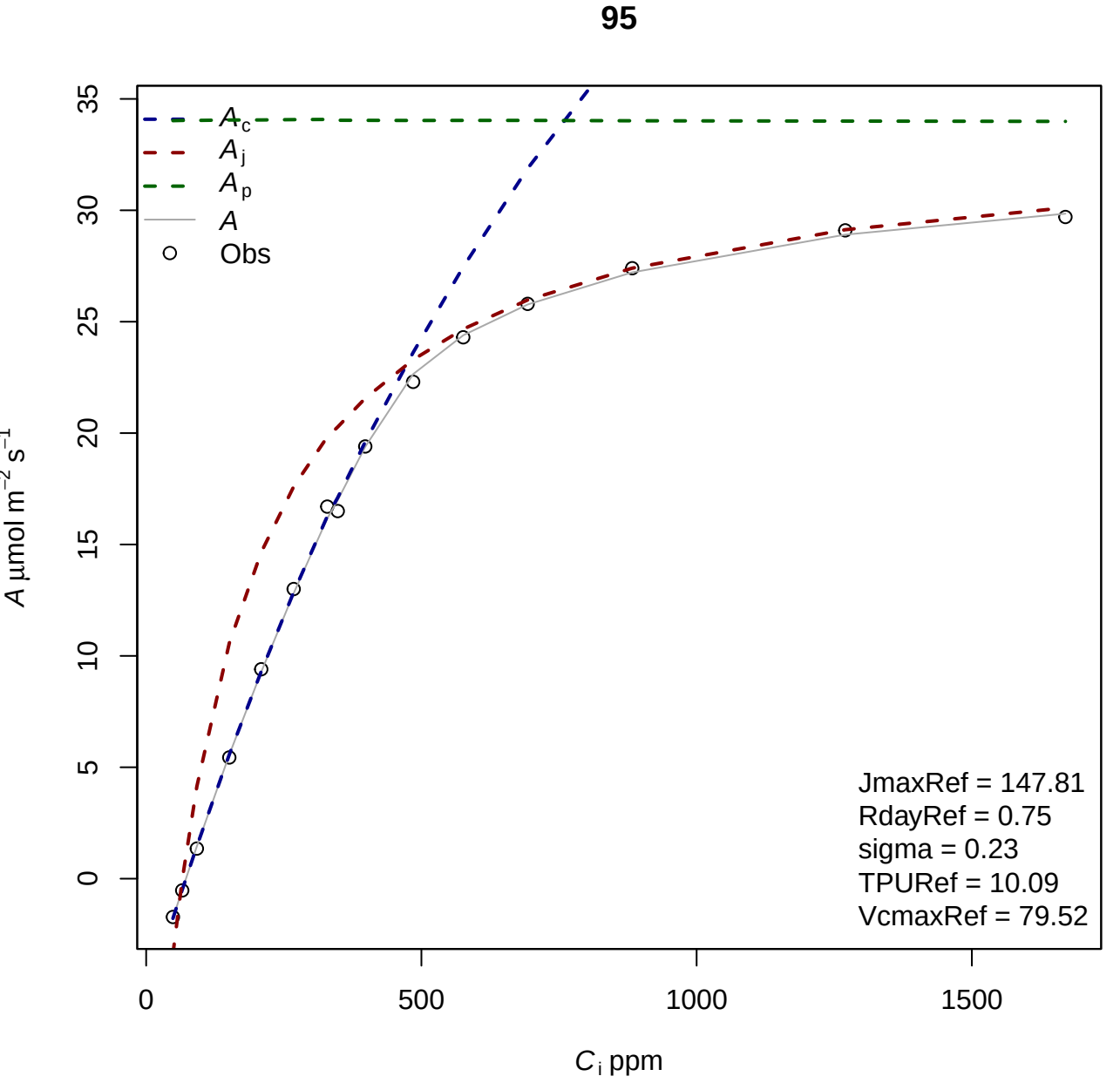

90
A_c
A_j
A_p
A
Obs
JmaxRef = 170.41
RdayRef = −0.44
sigma = 0.29
TPURef = 10.32
VcmaxRef = 86.2
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200

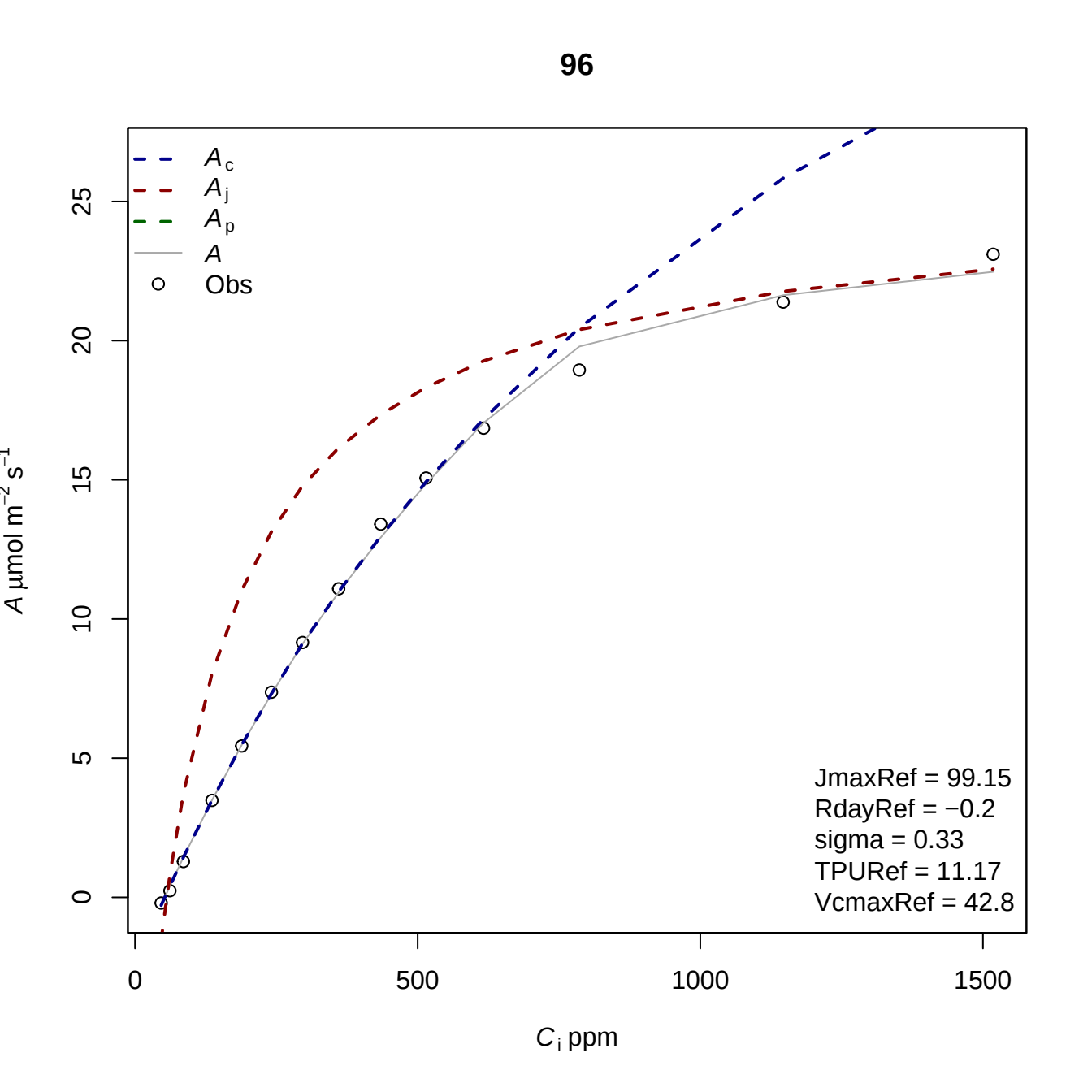

91
A_c
A_j
A_p
A
Obs
JmaxRef = 172.13
RdayRef = −0.75
sigma = 0.26
TPURef = 9.78
VcmaxRef = 91.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200
1400

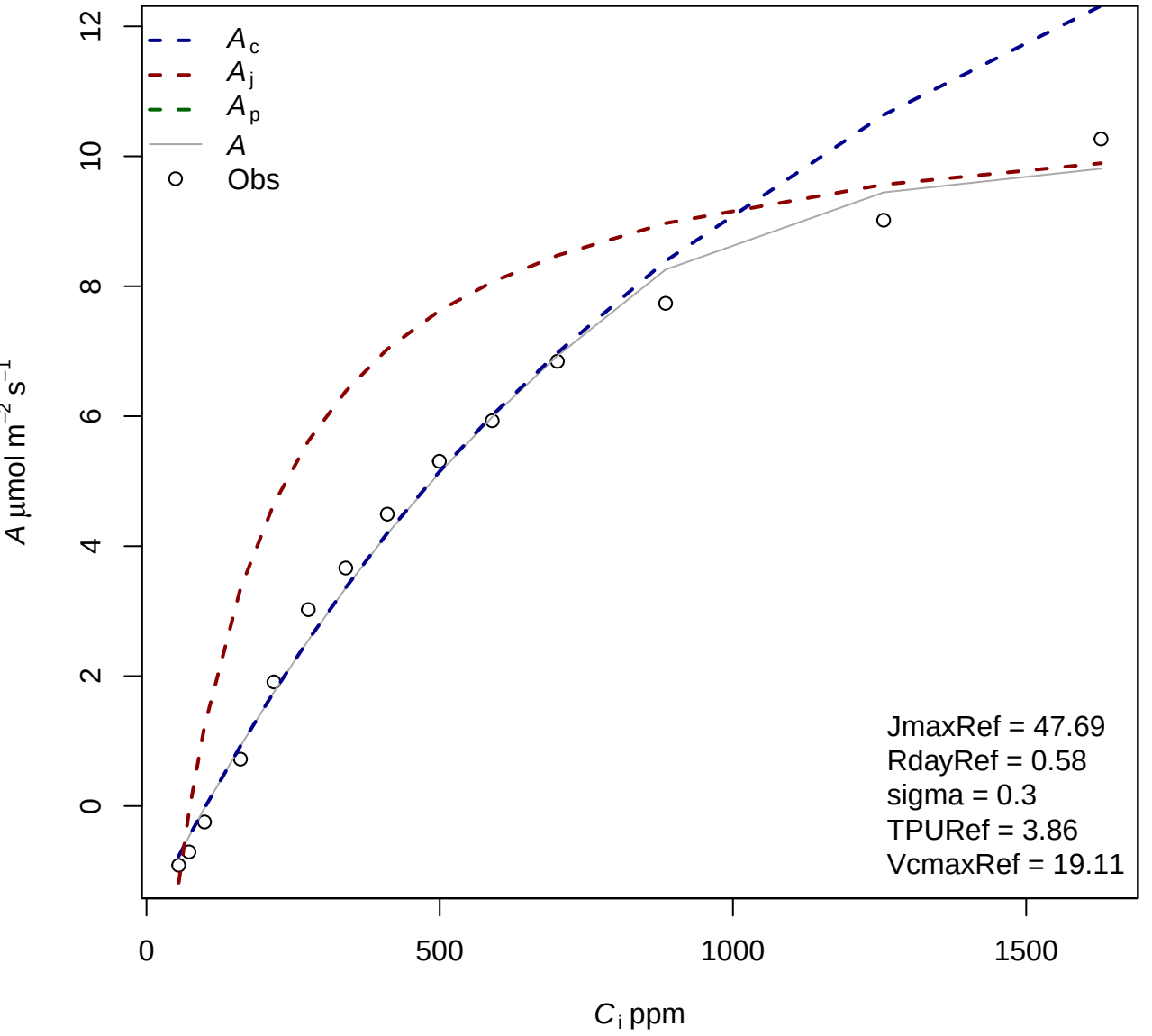

92
A_c
A_j
A_p
A
Obs
JmaxRef = 157.95
RdayRef = −0.46
sigma = 0.25
TPURef = 8.99
VcmaxRef = 85.87
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200

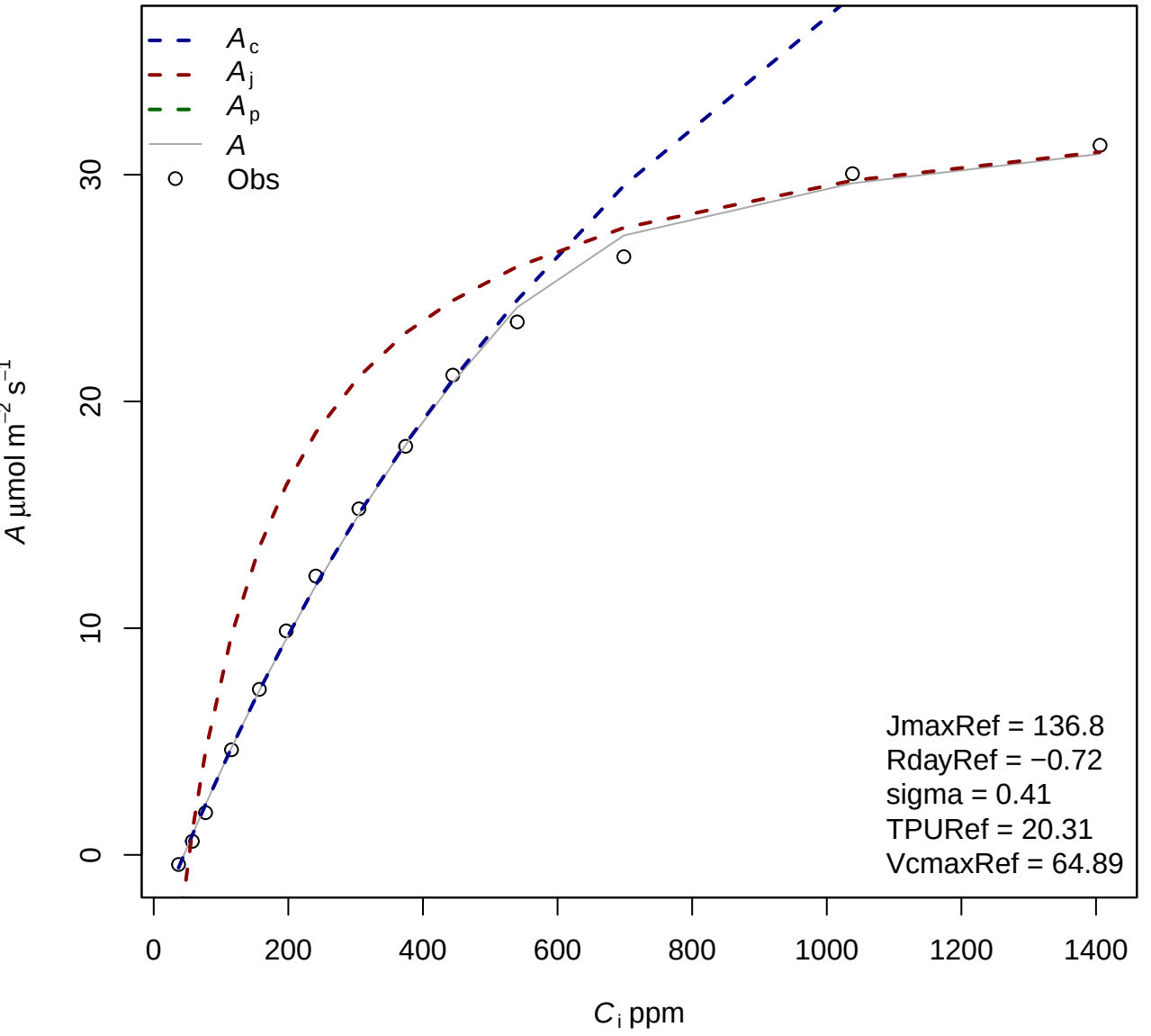

93
A_c
A_j
A_p
A
Obs
JmaxRef = 101.56
RdayRef = 0.58
sigma = 0.27
TPURef = 11.25
VcmaxRef = 39.73
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

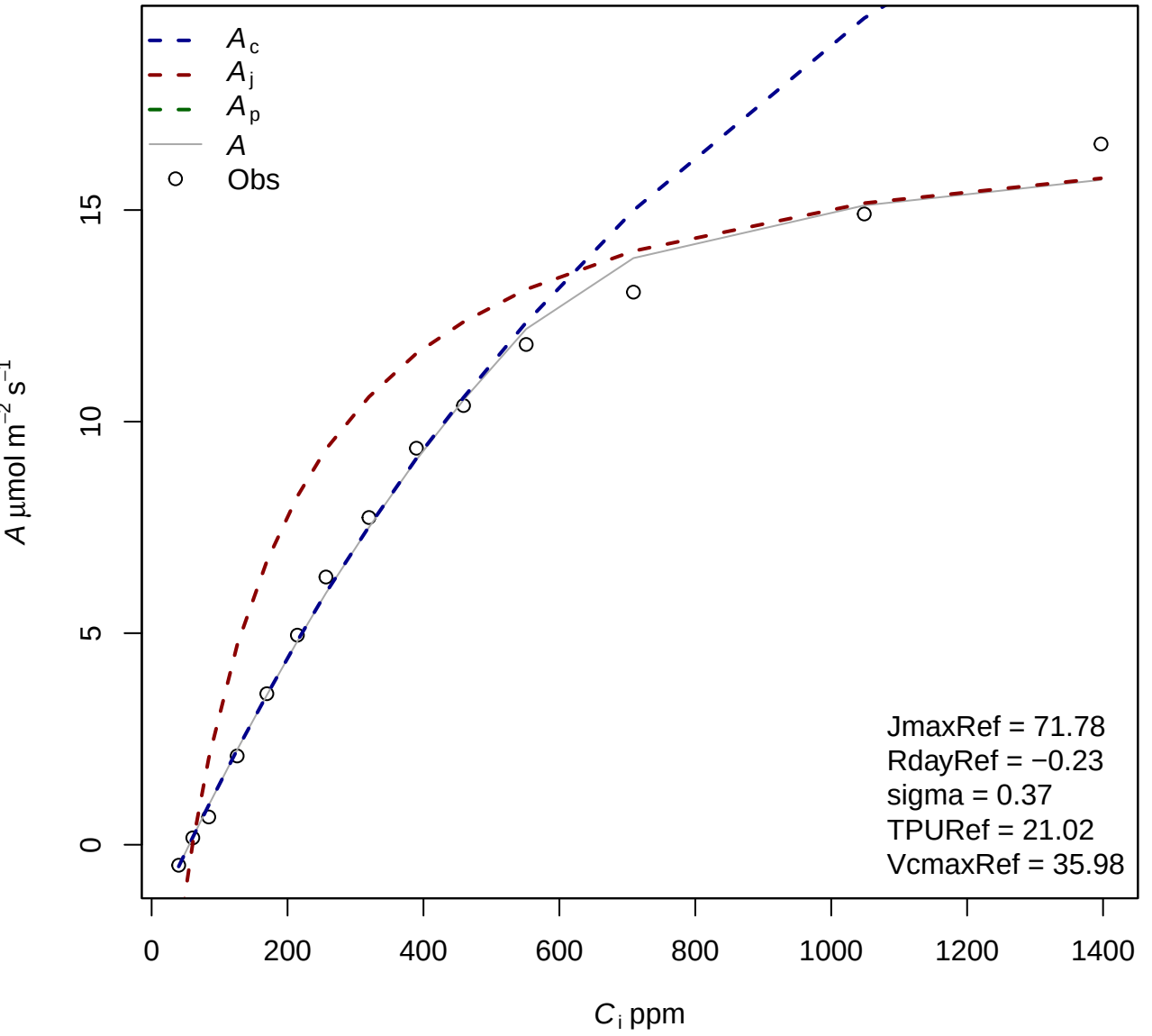

94
A_c
A_j
A_p
A
Obs
JmaxRef = 247.29
RdayRef = 4.02
sigma = 0.9
TPURef = 13.56
VcmaxRef = 121.85
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

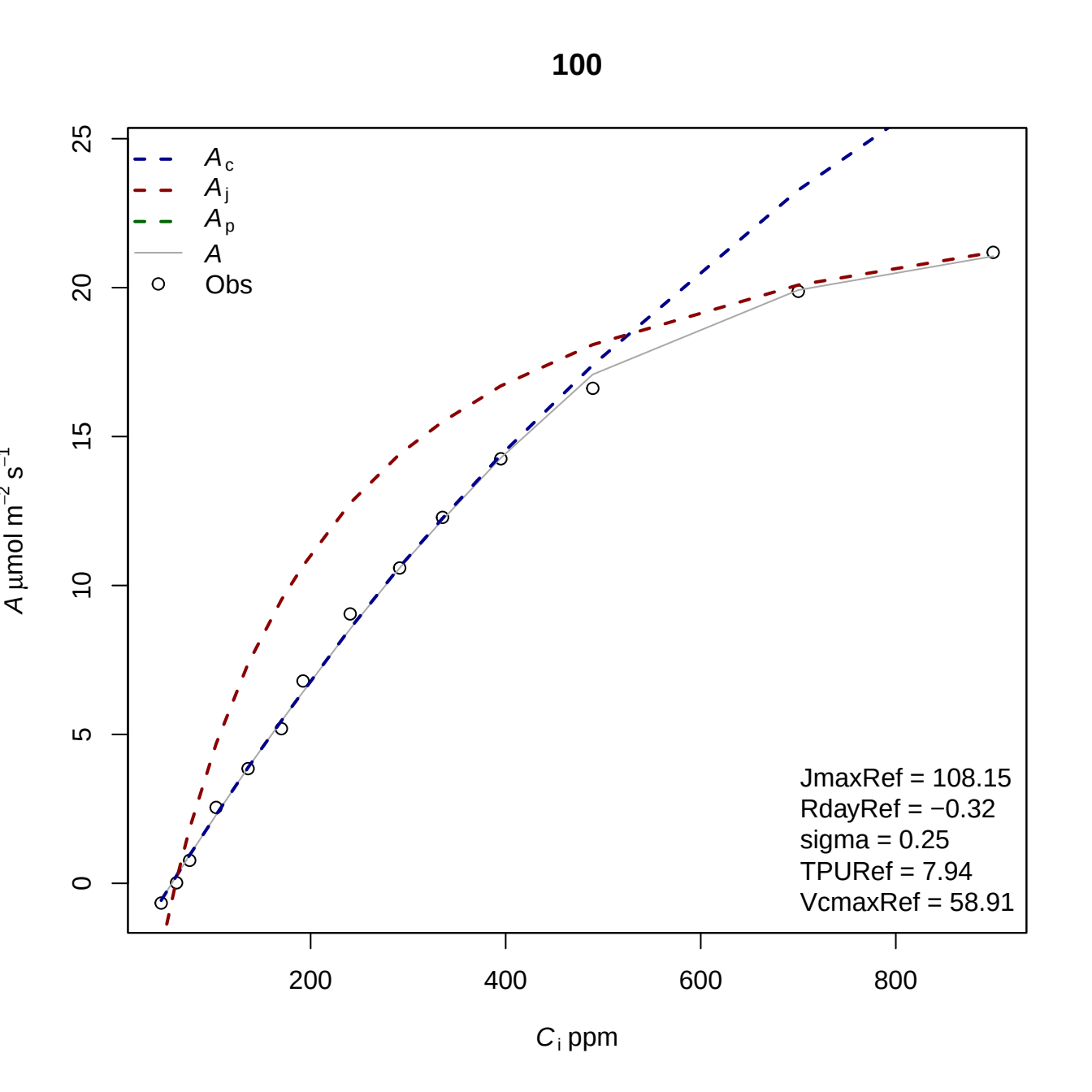

95
A_c
A_j
A_p
A
Obs
JmaxRef = 147.81
RdayRef = 0.75
sigma = 0.23
TPURef = 10.09
VcmaxRef = 79.52
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
500
1000
1500

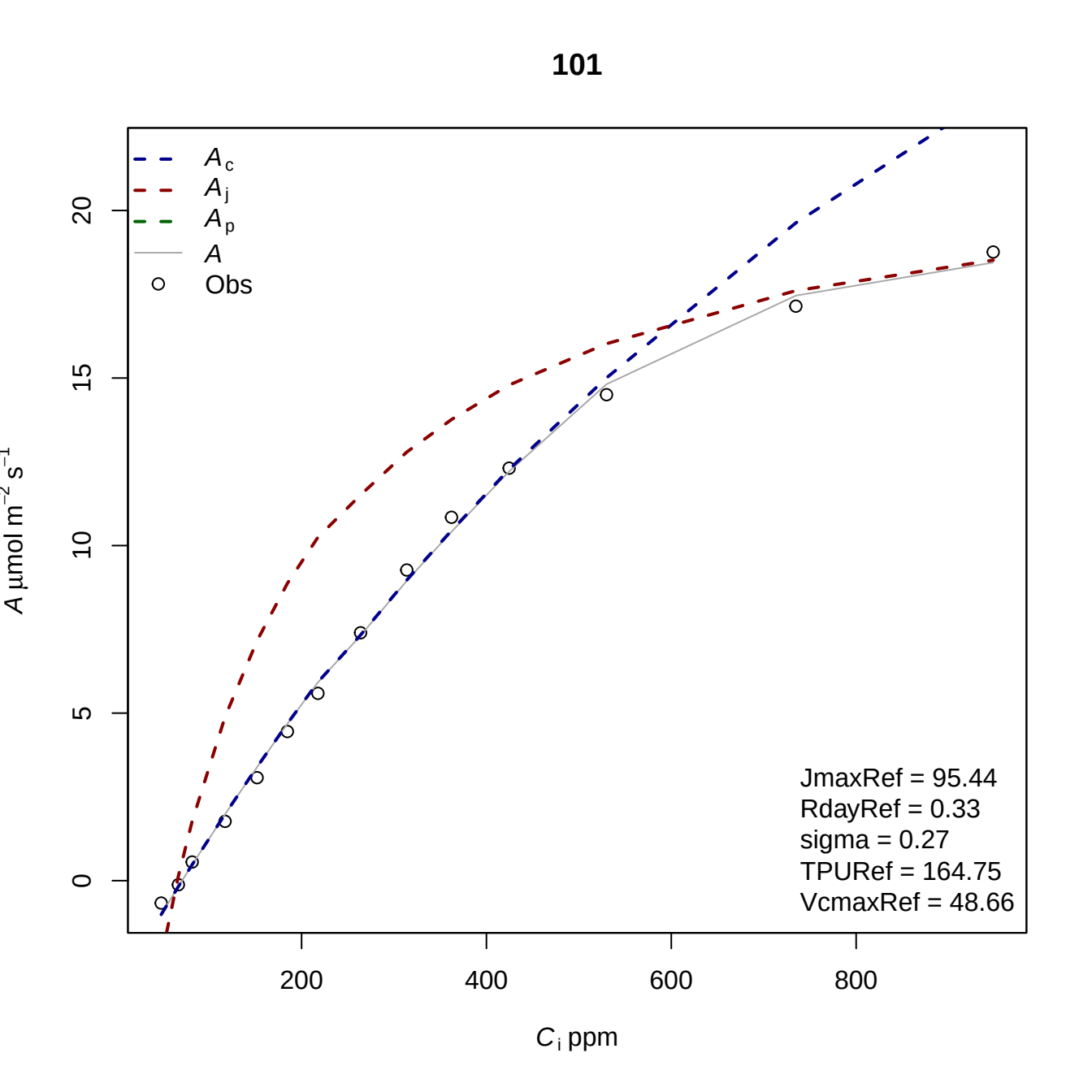

96
A_c
A_j
A_p
A
Obs
JmaxRef = 99.15
RdayRef = −0.2
sigma = 0.33
TPURef = 11.17
VcmaxRef = 42.8
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

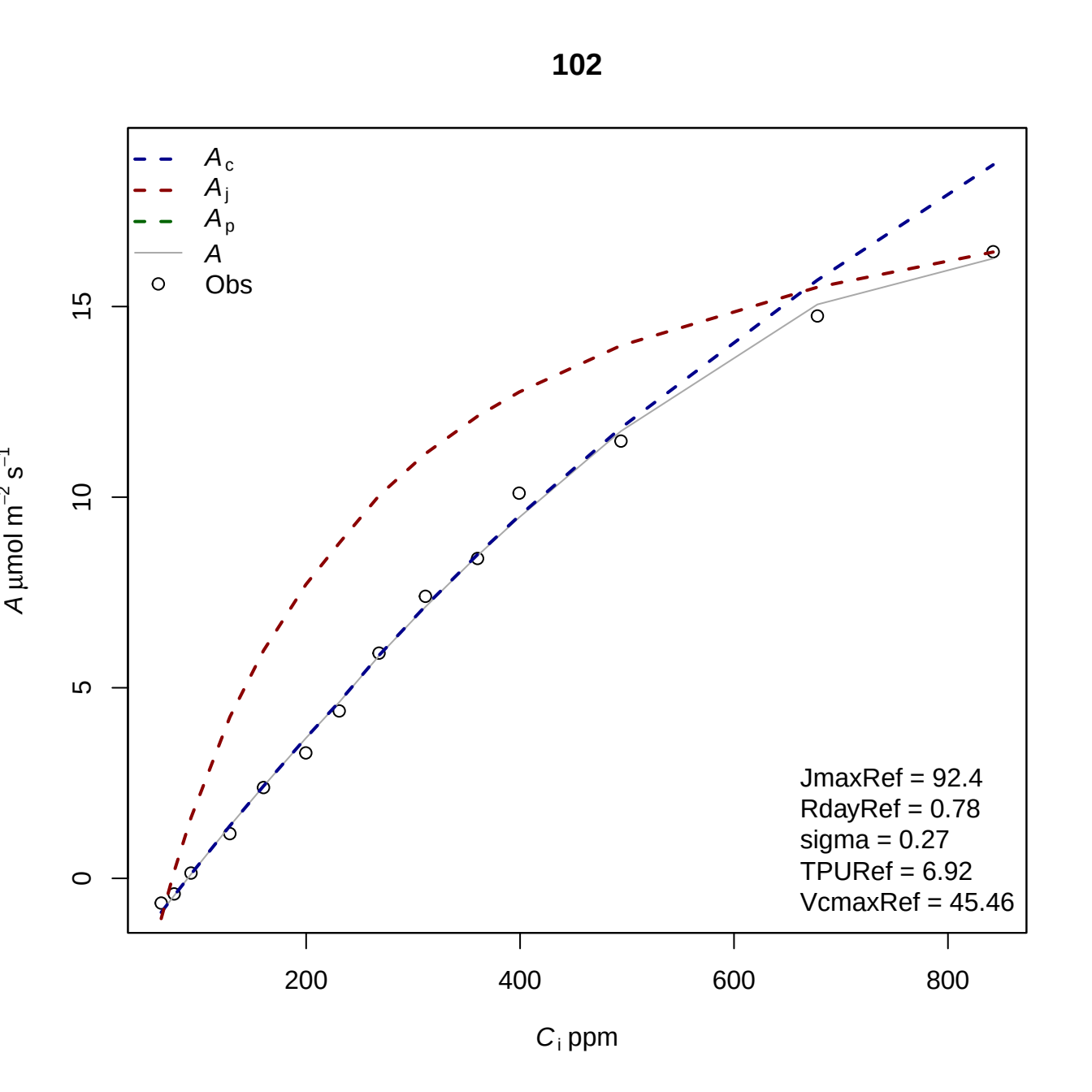

A_c
A_j
A_p
A
Obs
JmaxRef = 47.69
RdayRef = 0.58
sigma = 0.3
TPURef = 3.86
VcmaxRef = 19.11
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
0
500
1000
1500

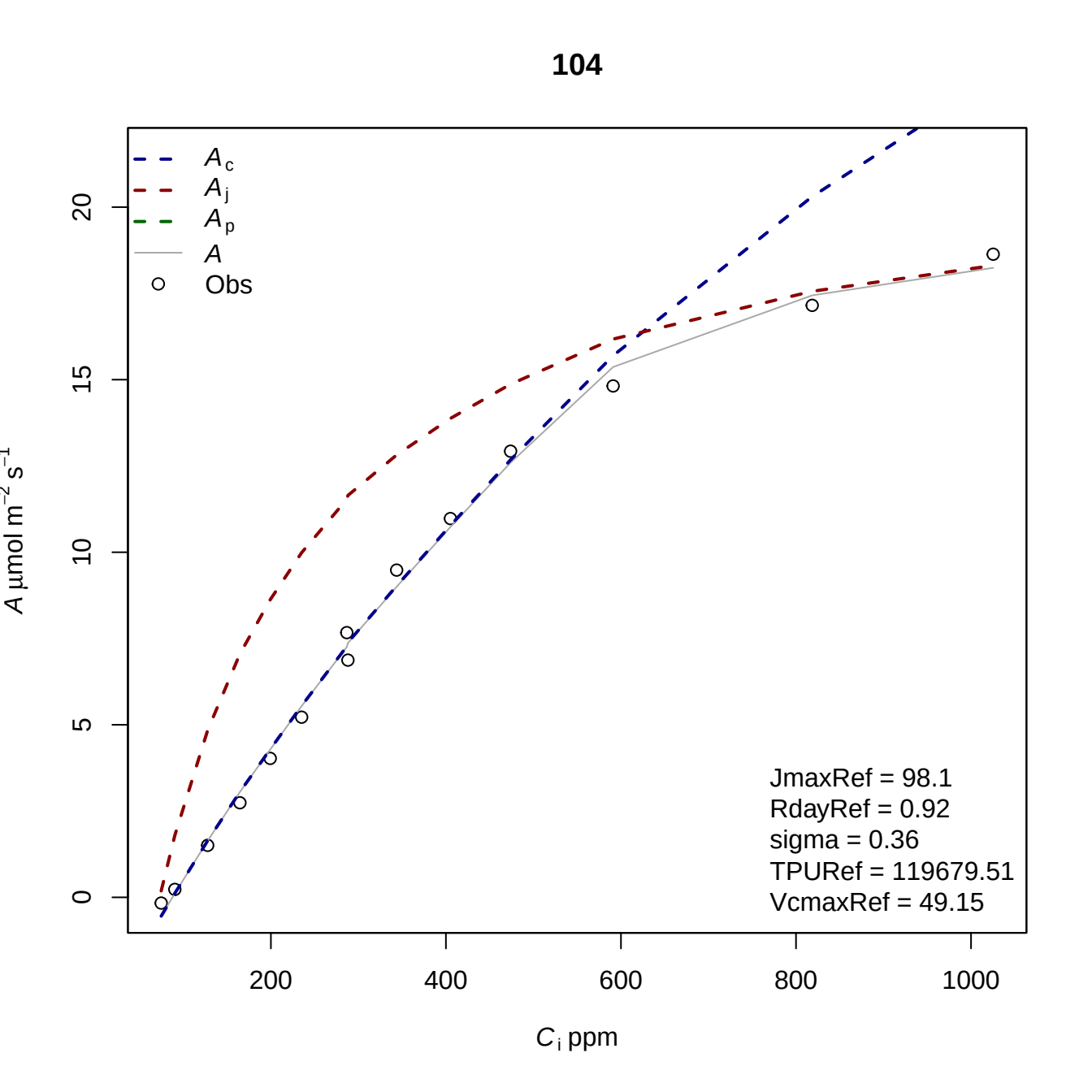

A_c
A_j
A_p
A
Obs
JmaxRef = 136.8
RdayRef = −0.72
sigma = 0.41
TPURef = 20.31
VcmaxRef = 64.89
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

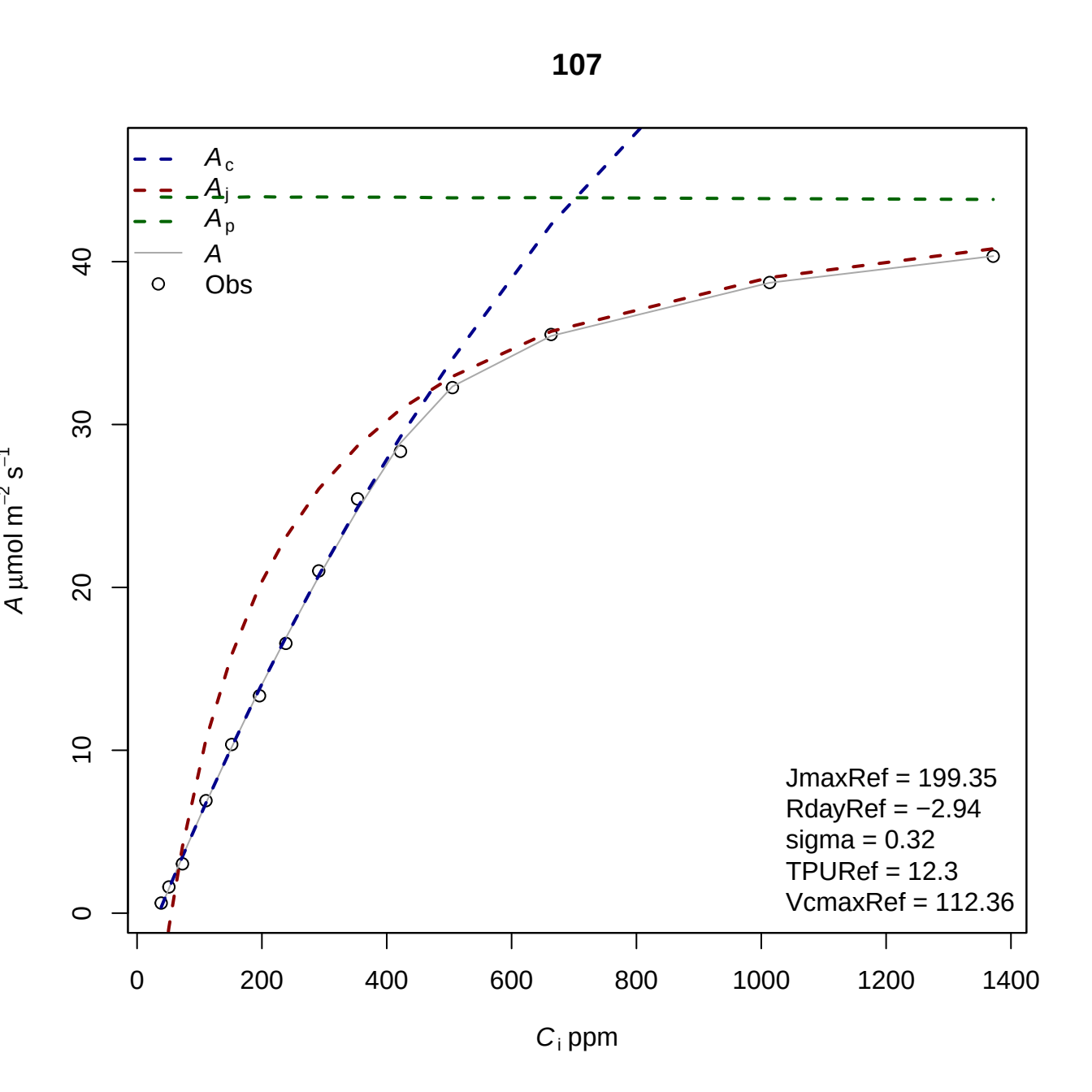

A_c
A_j
A_p
A
Obs
JmaxRef = 71.78
RdayRef = −0.23
sigma = 0.37
TPURef = 21.02
VcmaxRef = 35.98
A µmol m^{-2} s^{-1}
0
5
10
15
0
200
400
600
800
1000
1200
1400
C_i ppm

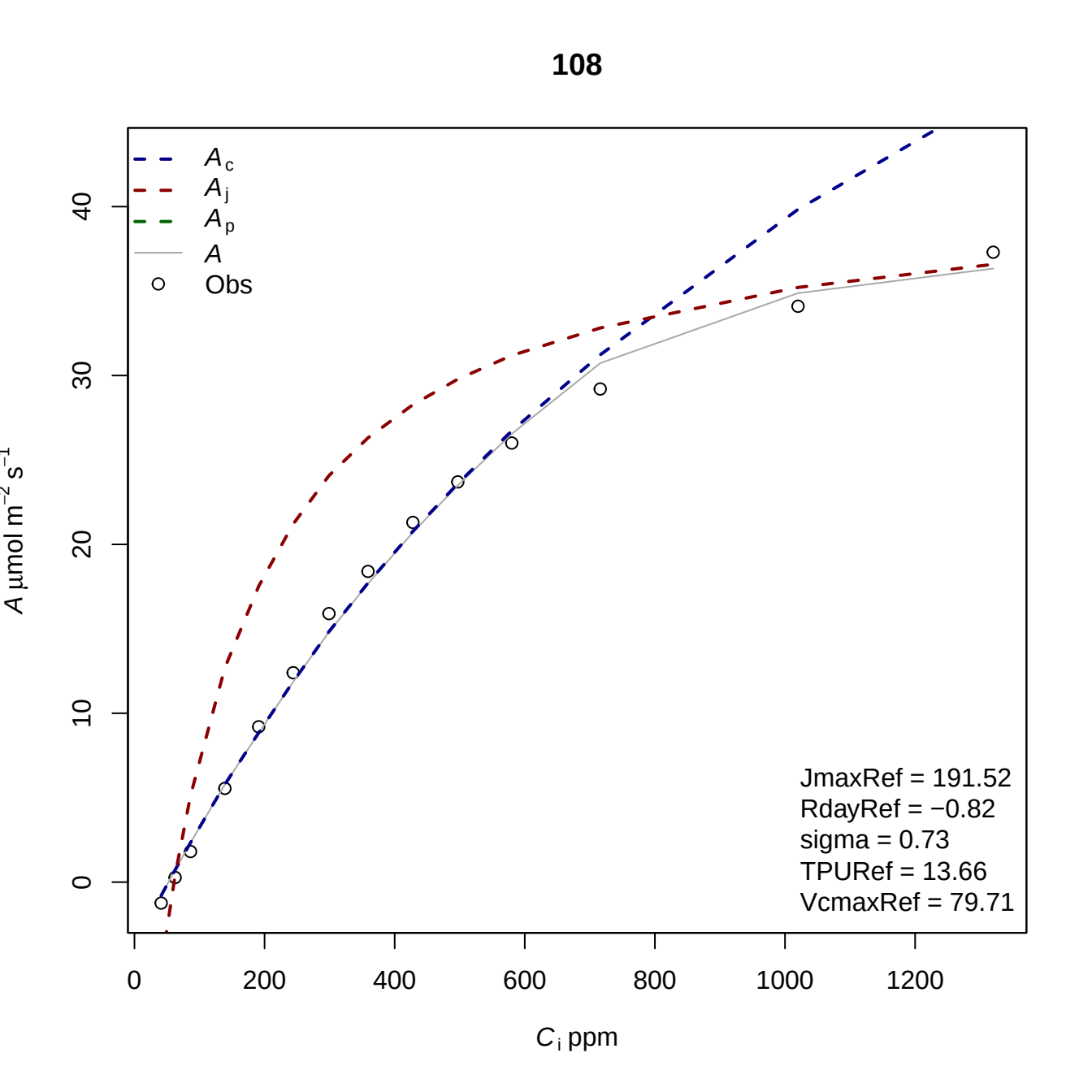

100
A_c
A_j
A_p
A
Obs
JmaxRef = 108.15
RdayRef = −0.32
sigma = 0.25
TPURef = 7.94
VcmaxRef = 58.91
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800

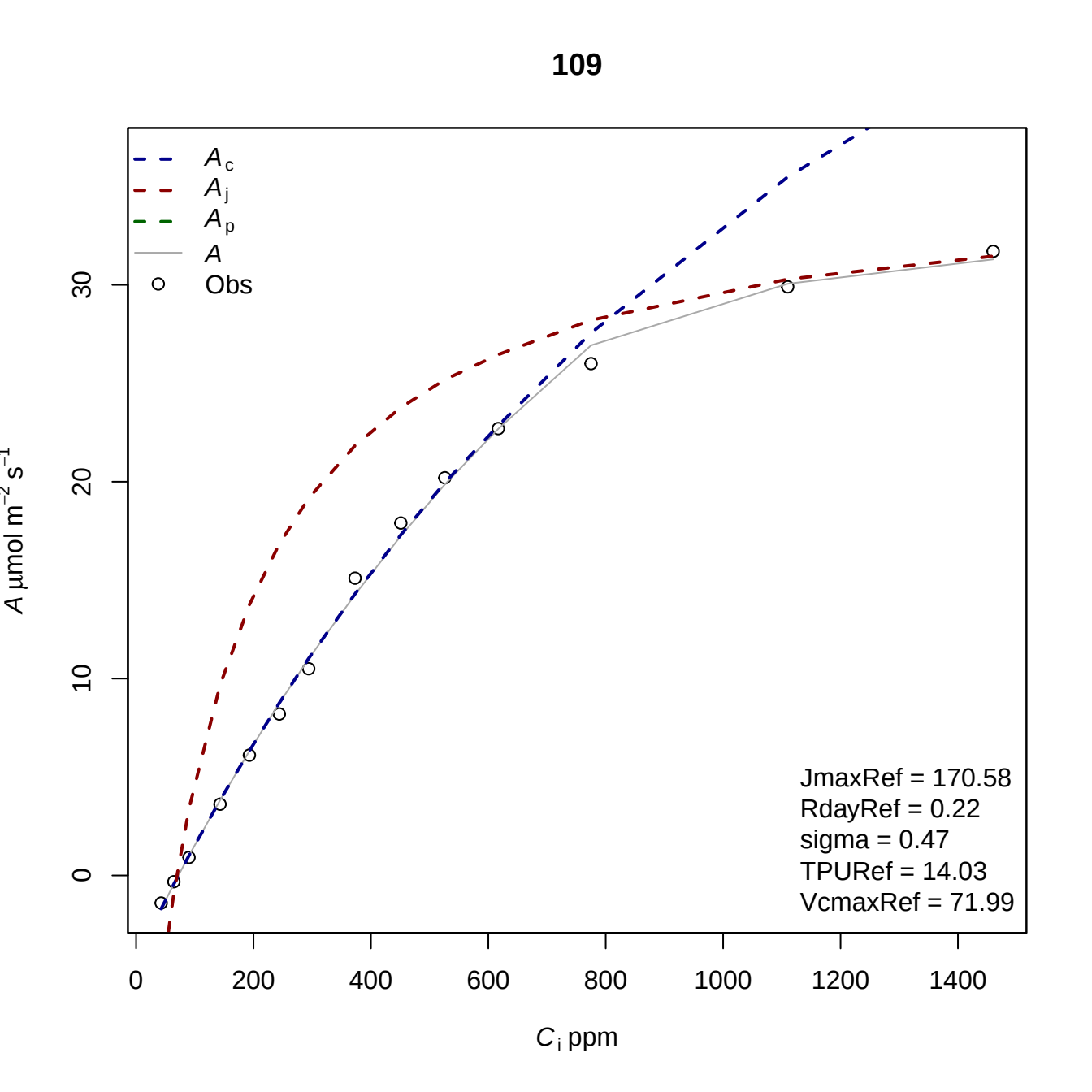

101
A_c
A_j
A_p
A
Obs
JmaxRef = 95.44
RdayRef = 0.33
sigma = 0.27
TPURef = 164.75
VcmaxRef = 48.66
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800

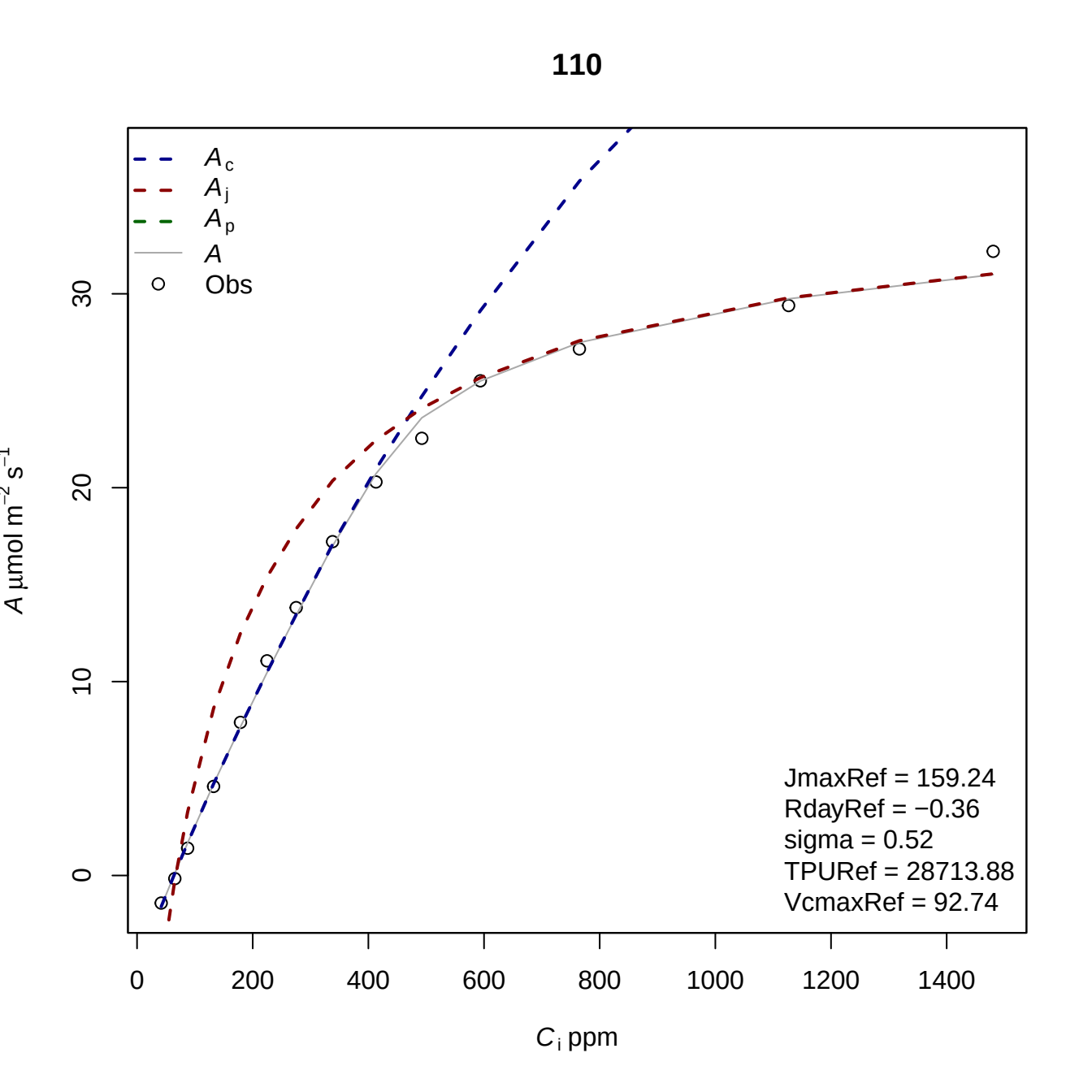

102
A_c
A_j
A_p
A
Obs
JmaxRef = 92.4
RdayRef = 0.78
sigma = 0.27
TPURef = 6.92
VcmaxRef = 45.46
A µmol m^{-2} s^{-1}
0
5
10
15
200
400
600
800
C_i ppm

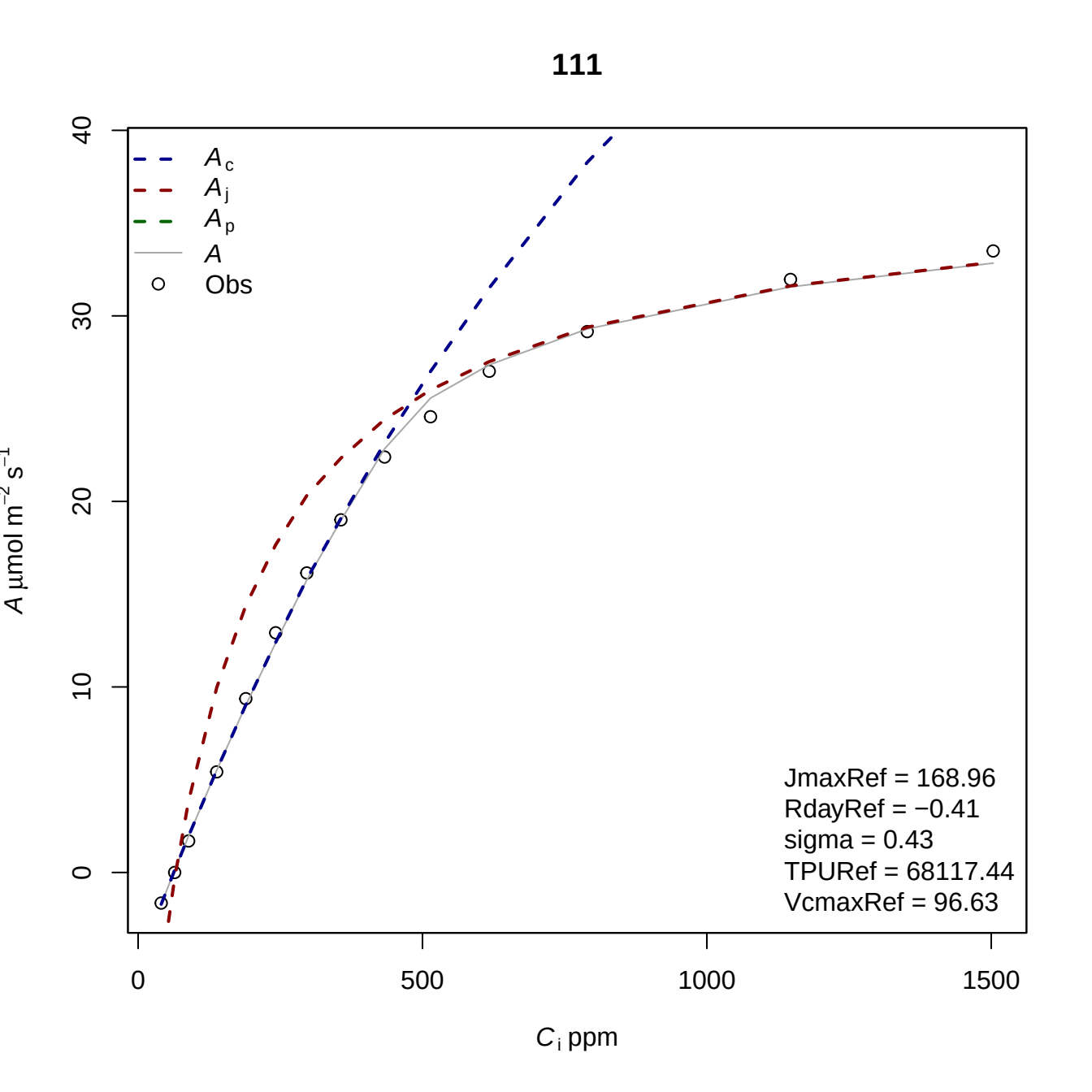

104
A_c
A_j
A_p
A
Obs
JmaxRef = 98.1
RdayRef = 0.92
sigma = 0.36
TPURef = 119679.51
VcmaxRef = 49.15
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

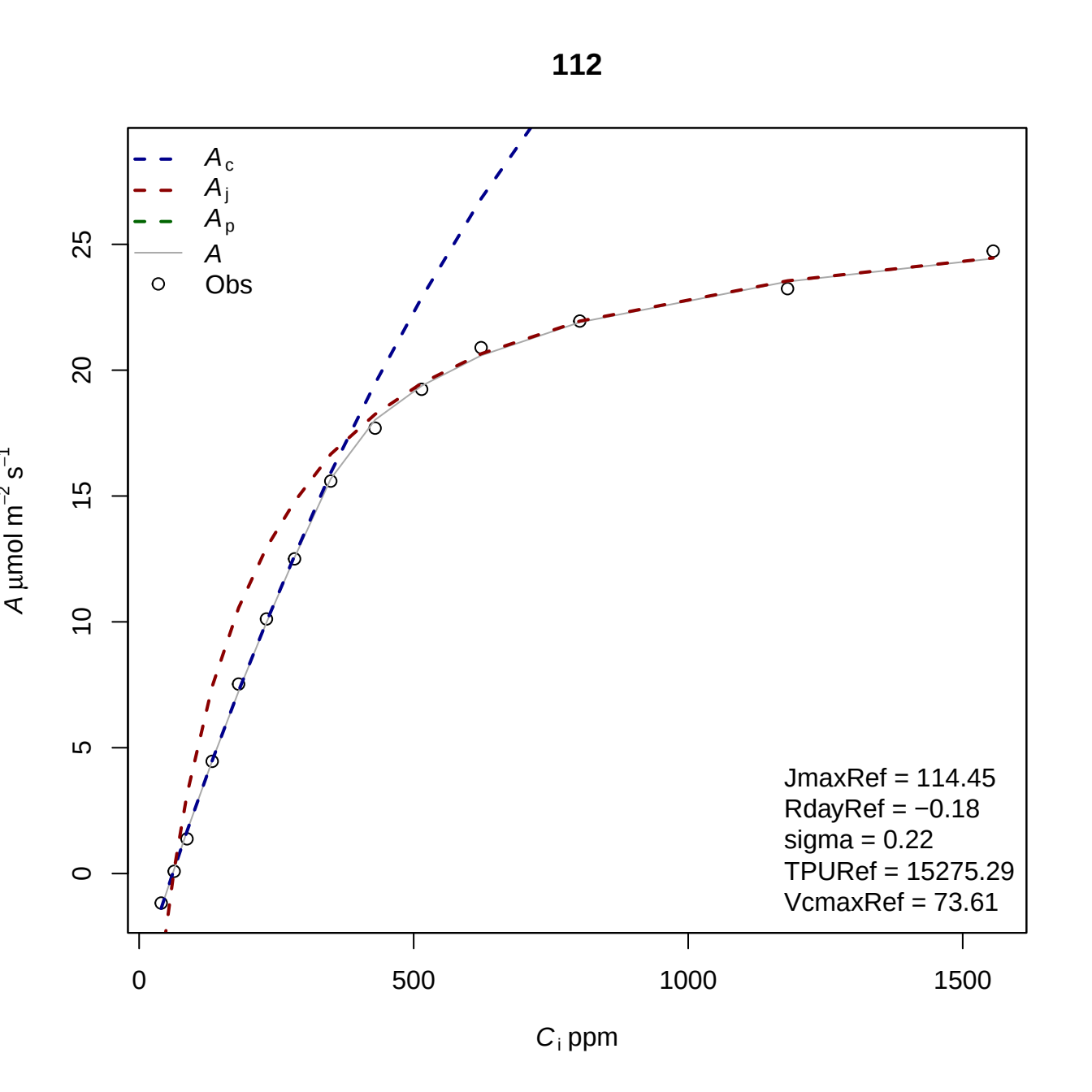

107
A_c
A_j
A_p
A
Obs
JmaxRef = 199.35
RdayRef = −2.94
sigma = 0.32
TPURef = 12.3
VcmaxRef = 112.36
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200
1400

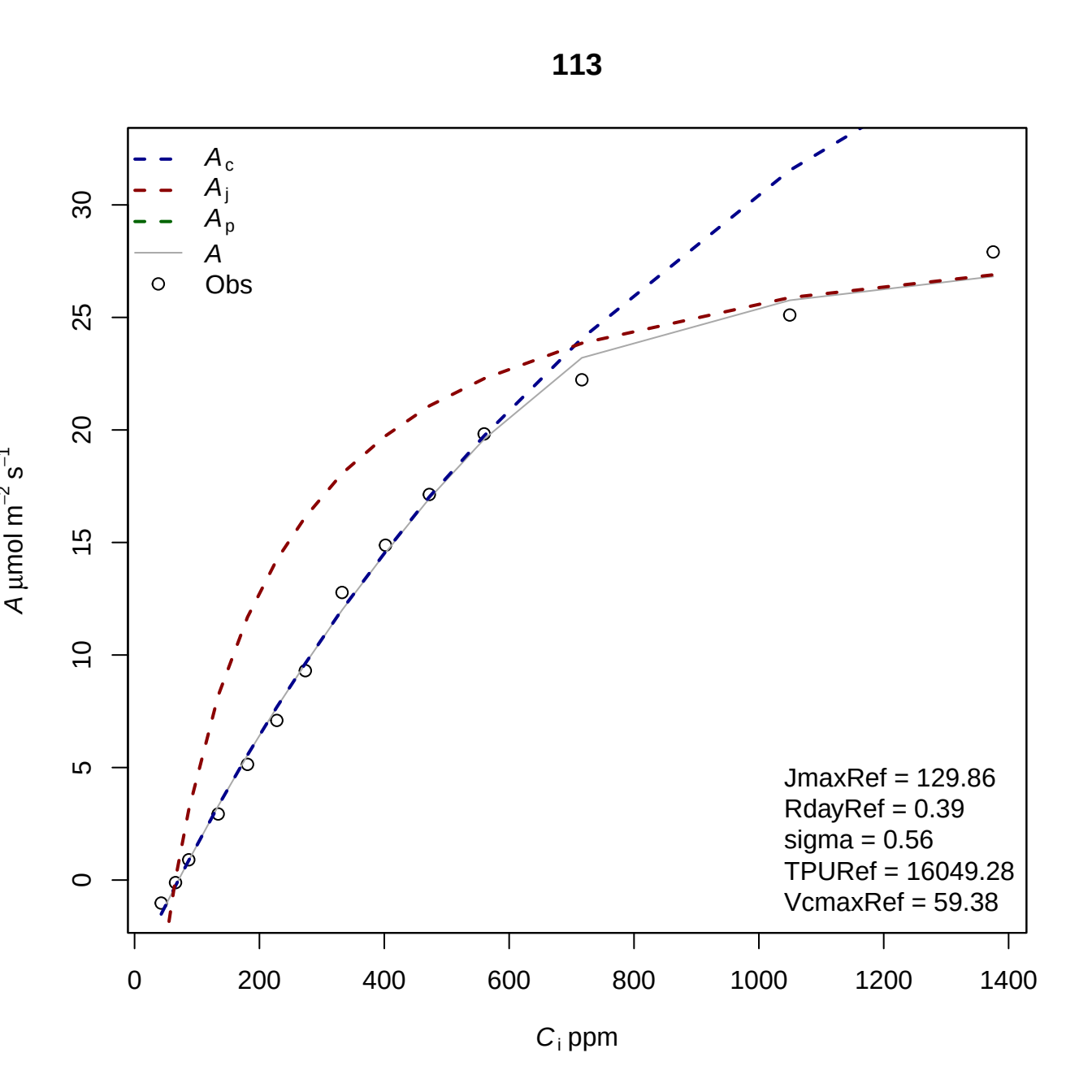

108
A_c
A_j
A_p
A
Obs
JmaxRef = 191.52
RdayRef = −0.82
sigma = 0.73
TPURef = 13.66
VcmaxRef = 79.71
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200

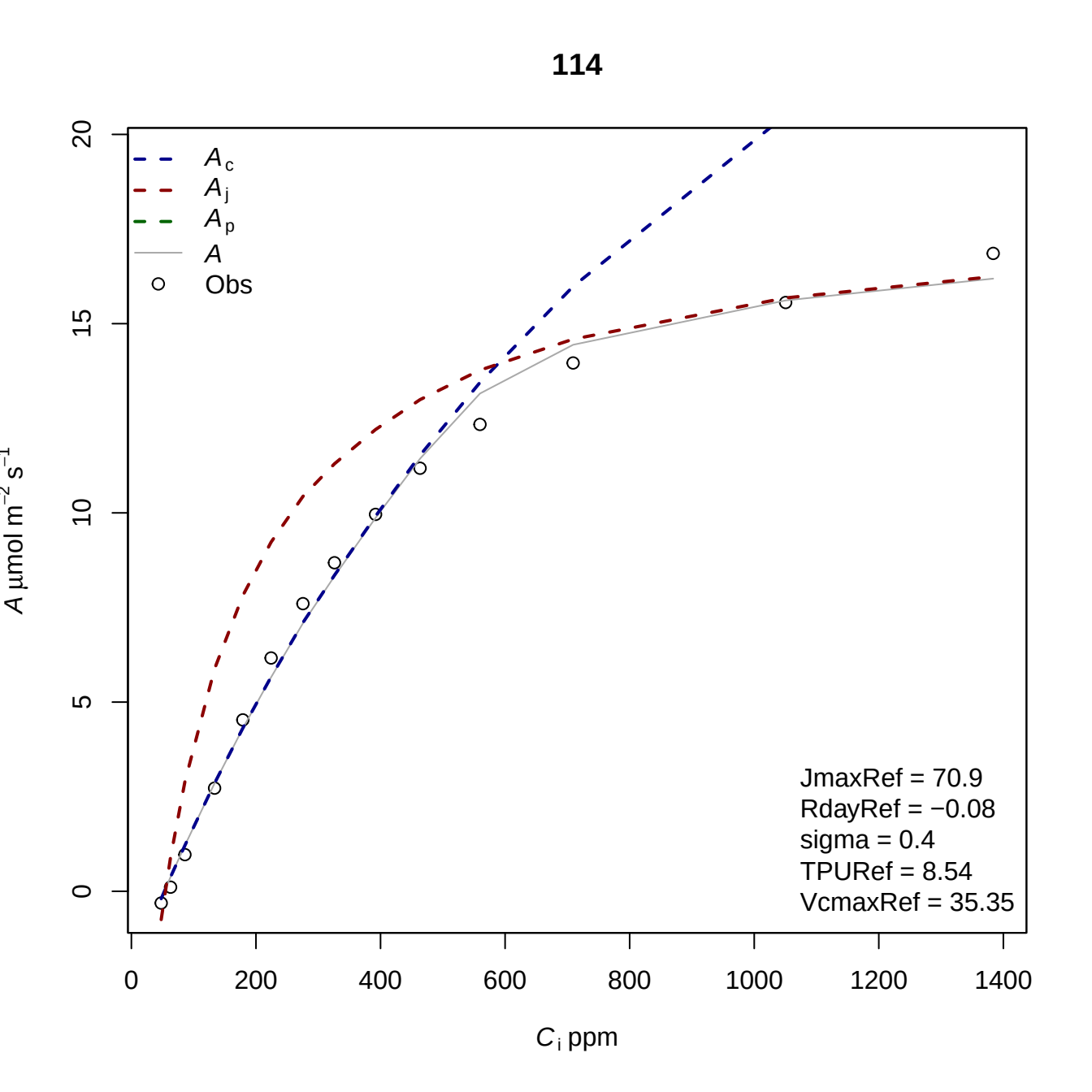

109
A_c
A_j
A_p
A
Obs
JmaxRef = 170.58
RdayRef = 0.22
sigma = 0.47
TPURef = 14.03
VcmaxRef = 71.99
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

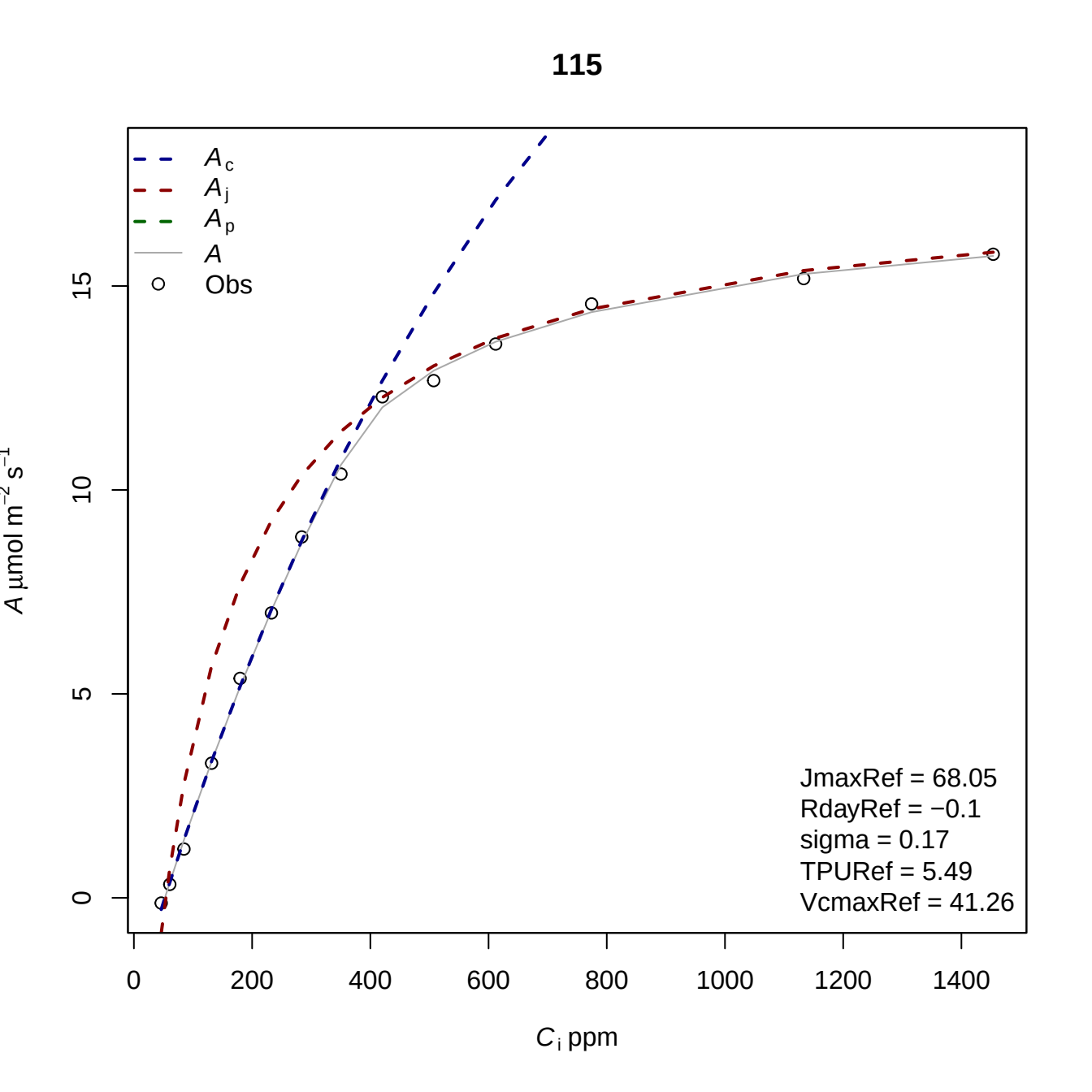

110
A_c
A_j
A_p
A
Obs
JmaxRef = 159.24
RdayRef = −0.36
sigma = 0.52
TPURef = 28713.88
VcmaxRef = 92.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

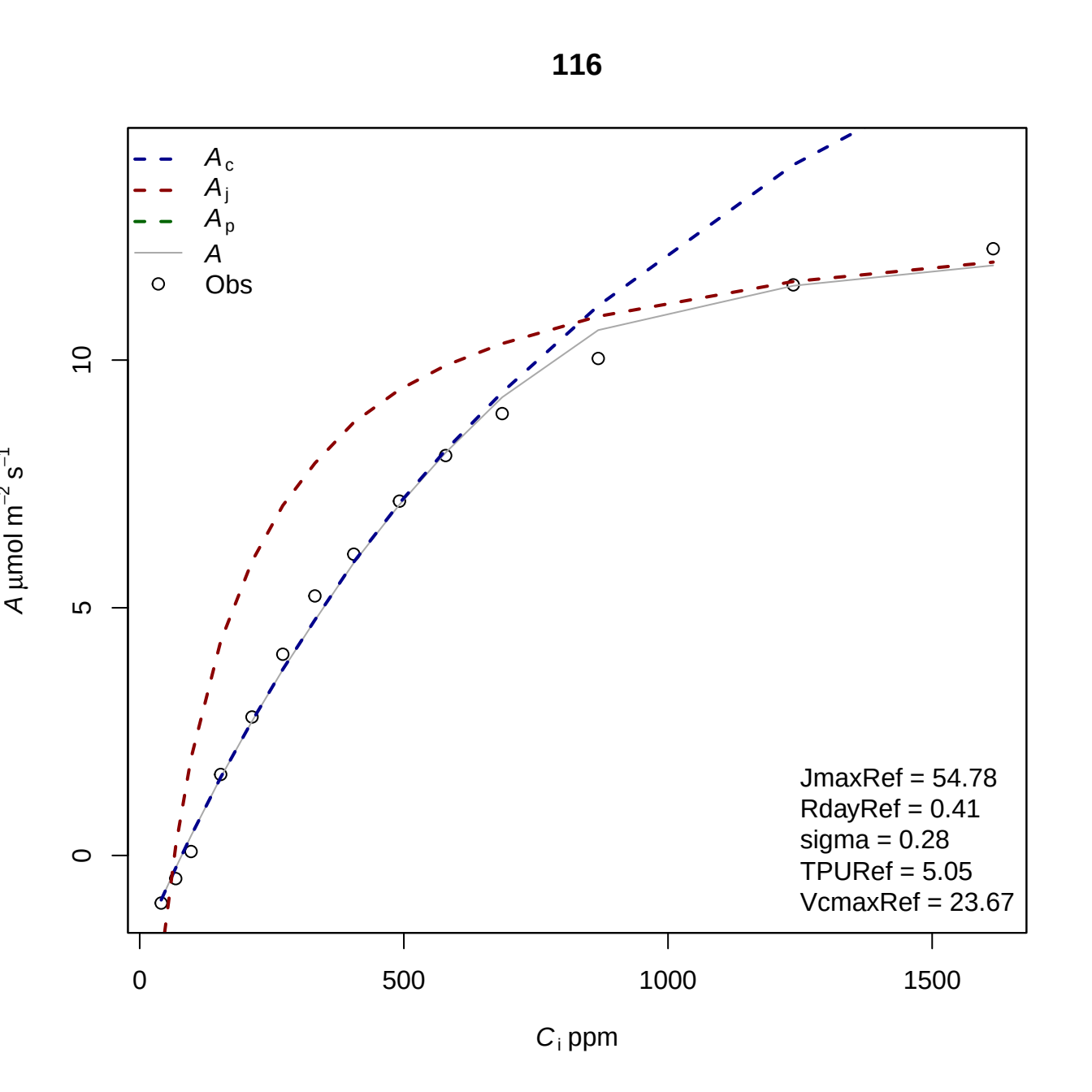

111
A_c
A_j
A_p
A
Obs
JmaxRef = 168.96
RdayRef = −0.41
sigma = 0.43
TPURef = 68117.44
VcmaxRef = 96.63
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

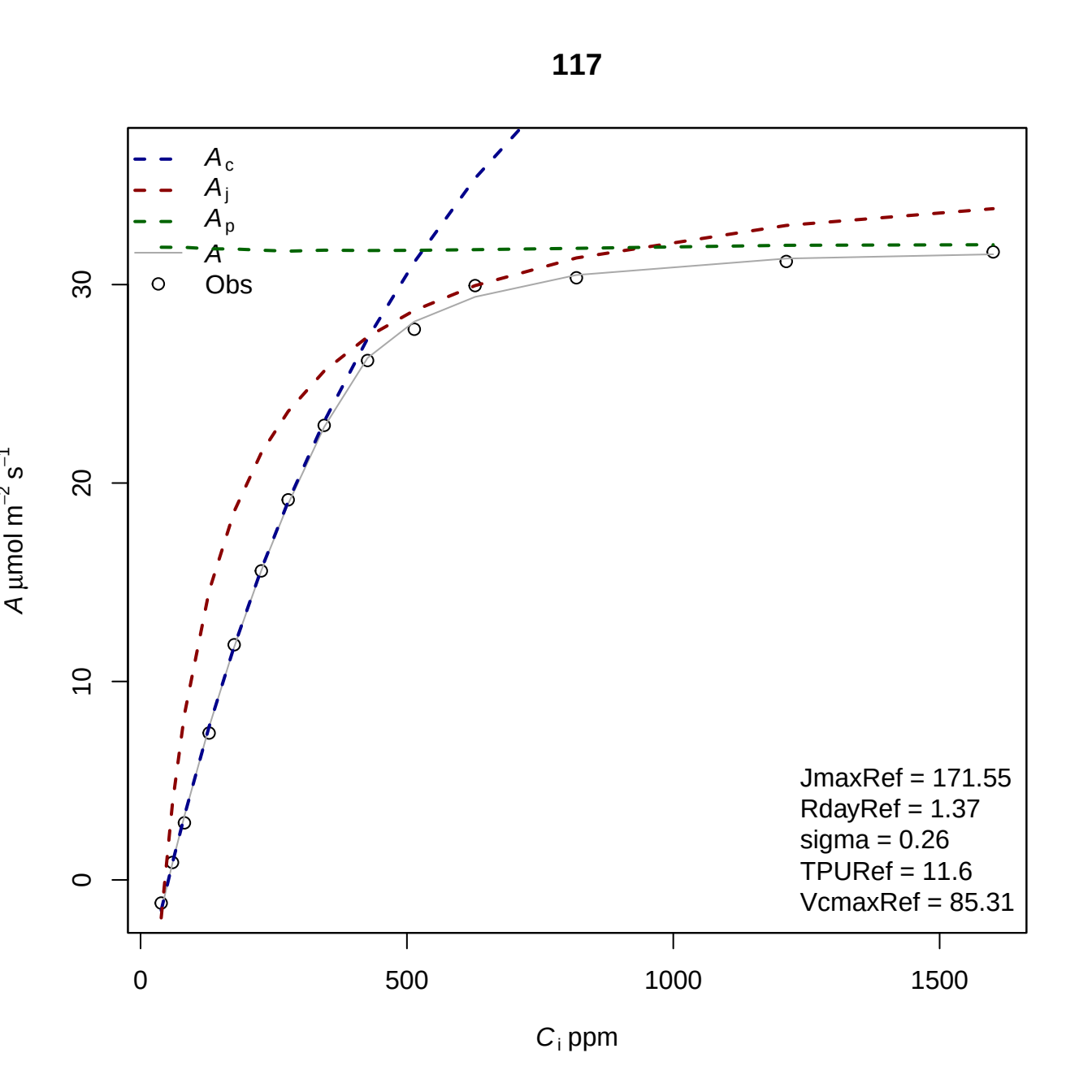

112
A_c
A_j
A_p
A
Obs
JmaxRef = 114.45
RdayRef = −0.18
sigma = 0.22
TPURef = 15275.29
VcmaxRef = 73.61
A µmol m^{-2} s^{-1}
0
5
10
15
20
25
0
500
1000
1500
C_i ppm

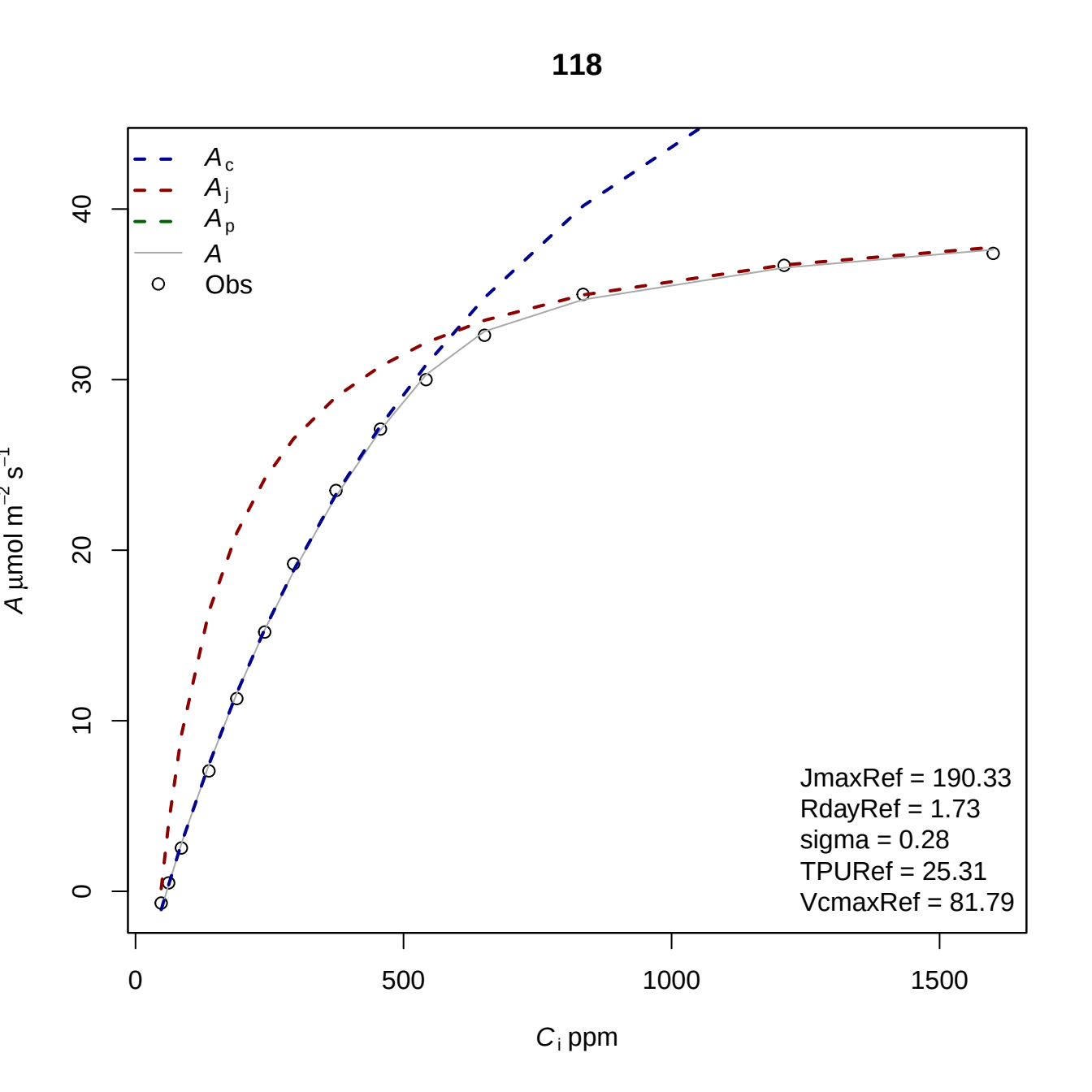

113
A_c
A_j
A_p
A
Obs
JmaxRef = 129.86
RdayRef = 0.39
sigma = 0.56
TPURef = 16049.28
VcmaxRef = 59.38
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

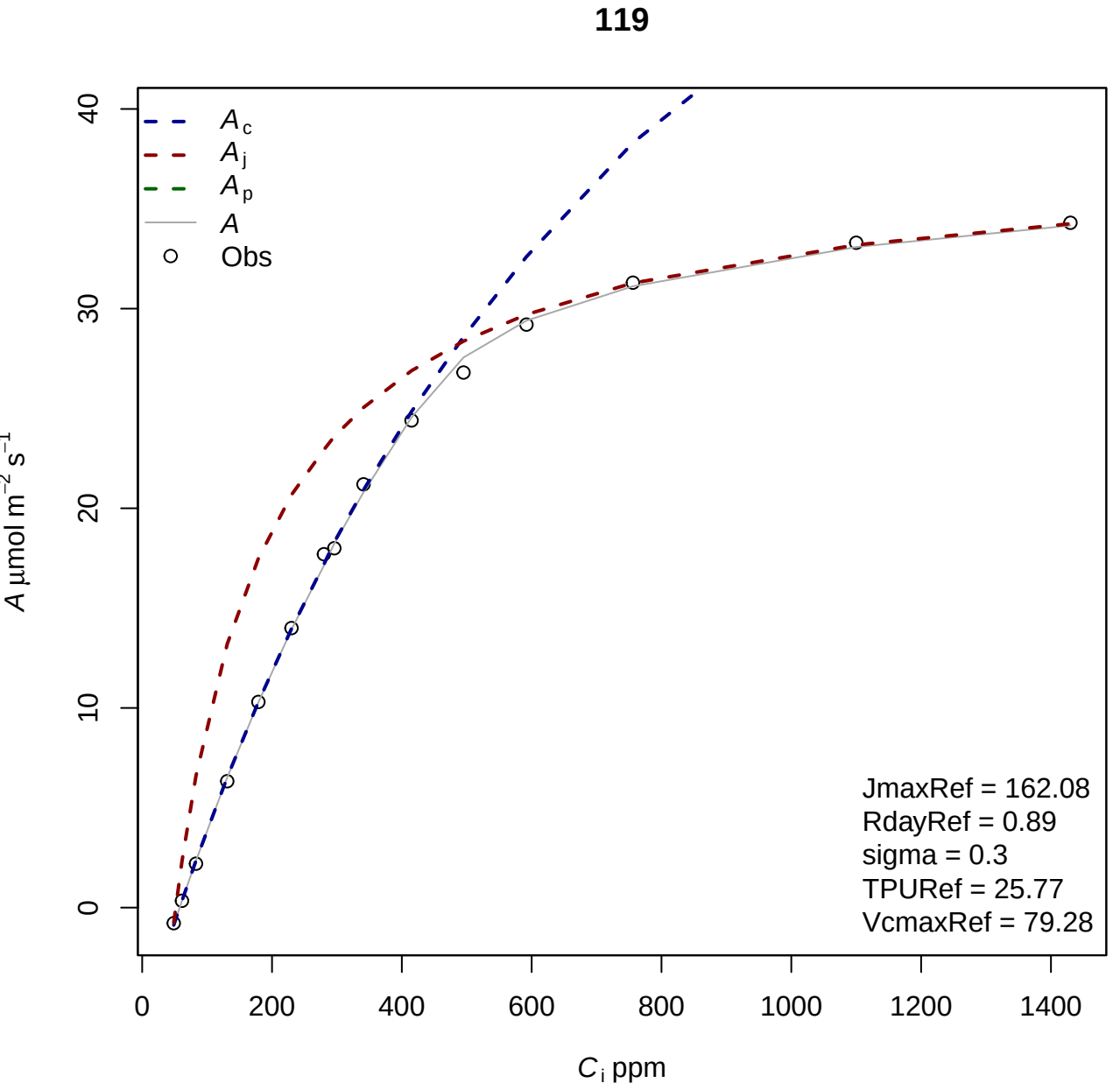

114
A_c
A_j
A_p
A
Obs
JmaxRef = 70.9
RdayRef = −0.08
sigma = 0.4
TPURef = 8.54
VcmaxRef = 35.35
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

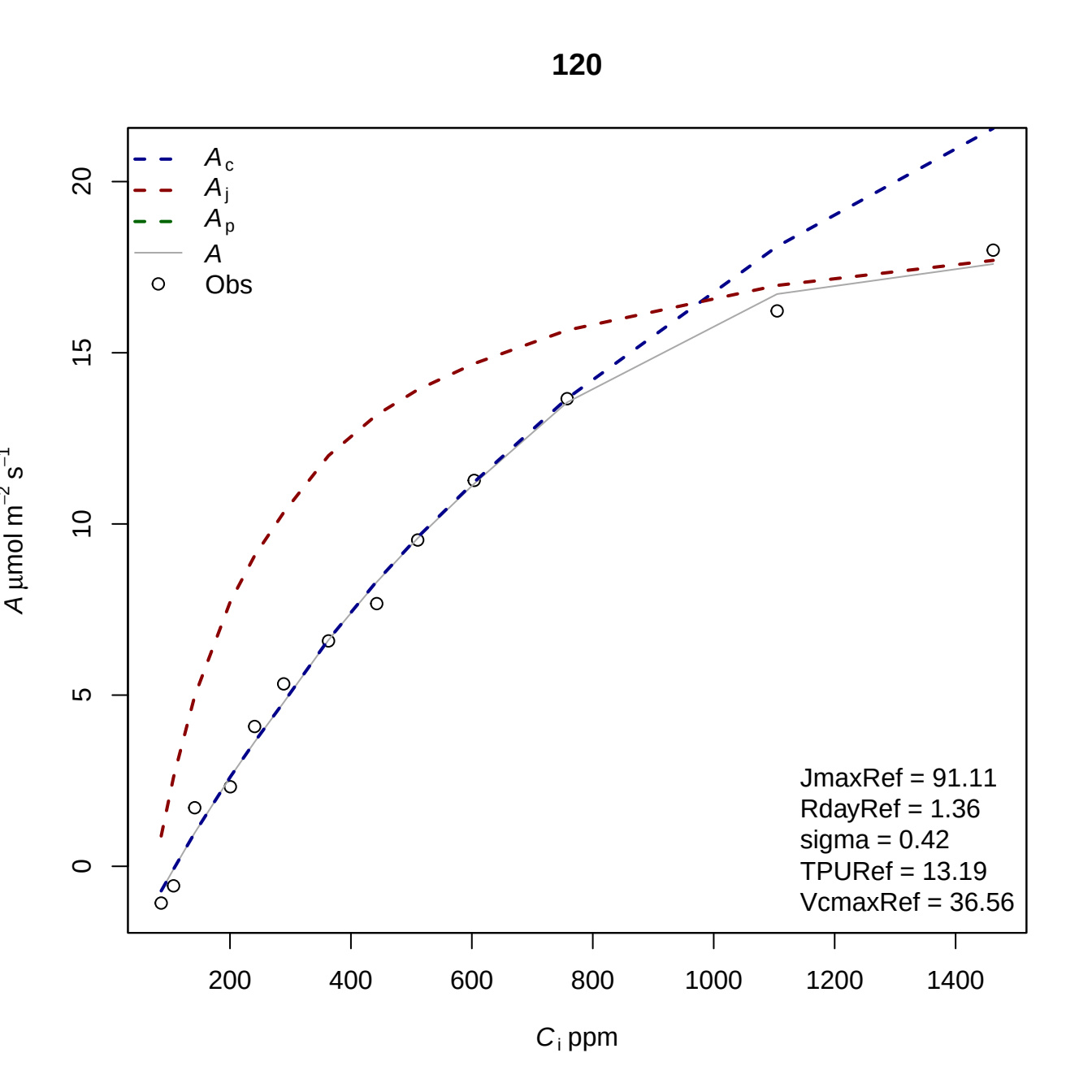

115
A_c
A_j
A_p
A
Obs
JmaxRef = 68.05
RdayRef = −0.1
sigma = 0.17
TPURef = 5.49
VcmaxRef = 41.26
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
200
400
600
800
1000
1200
1400

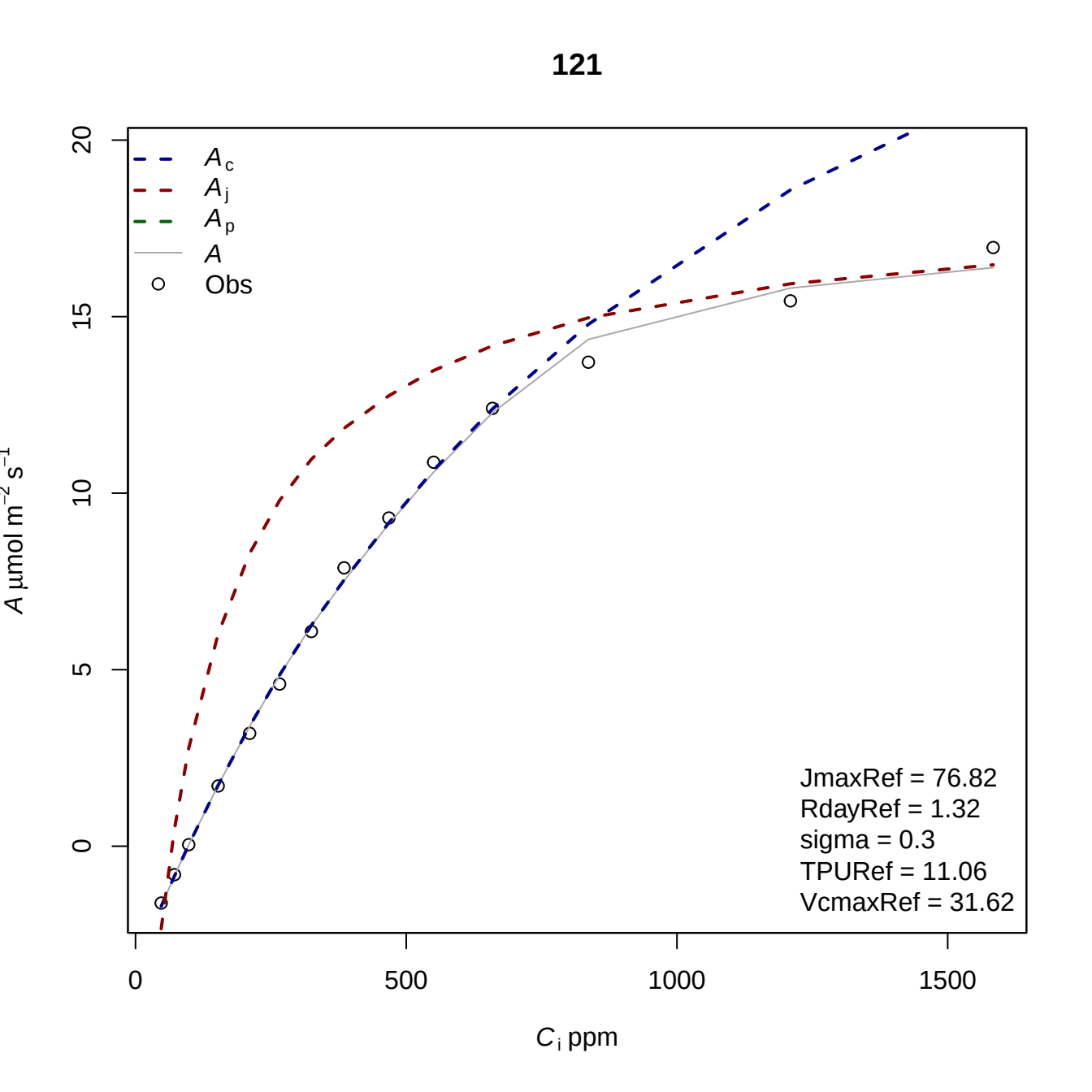

116
A_c
A_j
A_p
A
Obs
JmaxRef = 54.78
RdayRef = 0.41
sigma = 0.28
TPURef = 5.05
VcmaxRef = 23.67
A µmol m^{-2} s^{-1}
0
5
10
0
500
1000
1500
C_i ppm

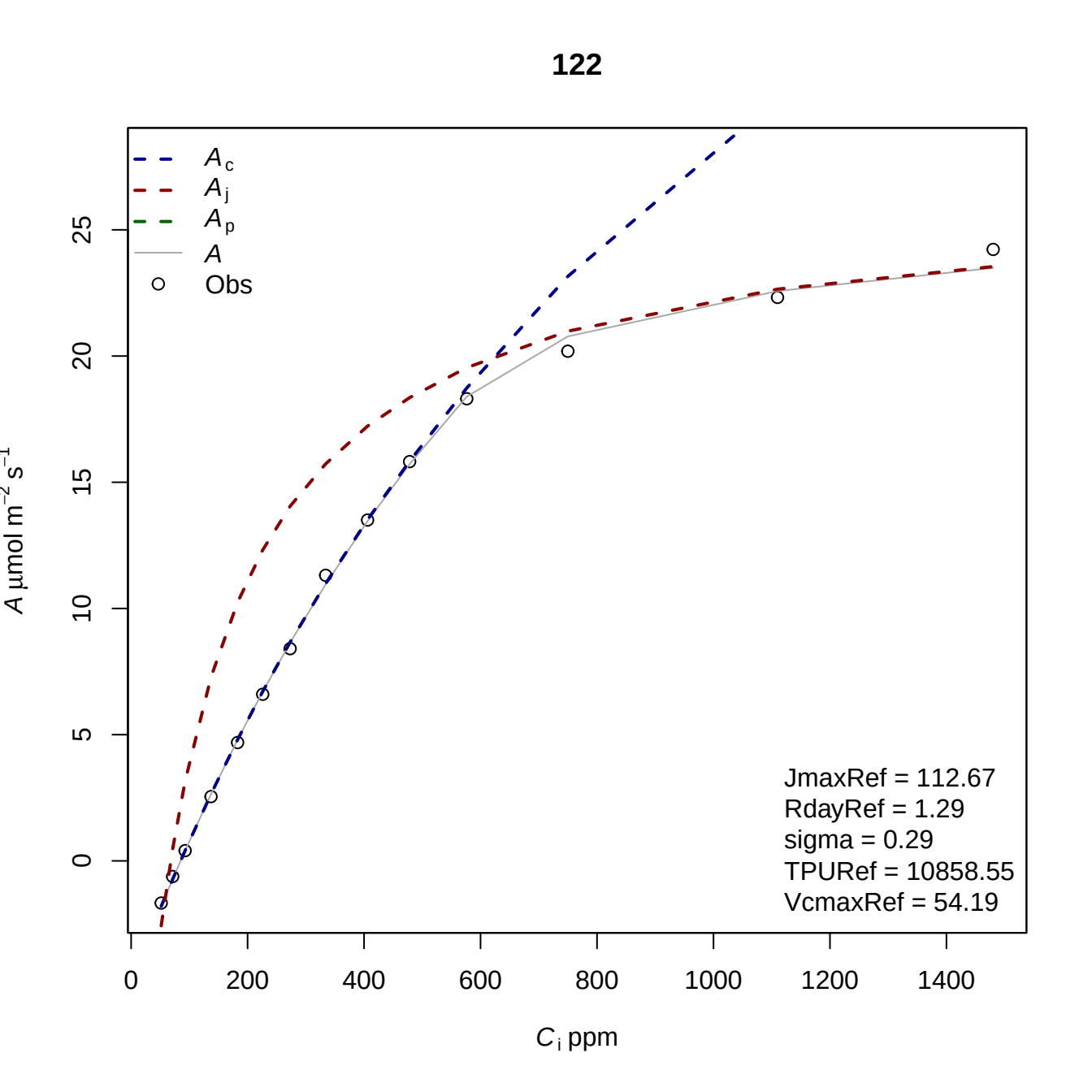

117
A_c
A_j
A_p
A
Obs
JmaxRef = 171.55
RdayRef = 1.37
sigma = 0.26
TPURef = 11.6
VcmaxRef = 85.31
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
500
1000
1500

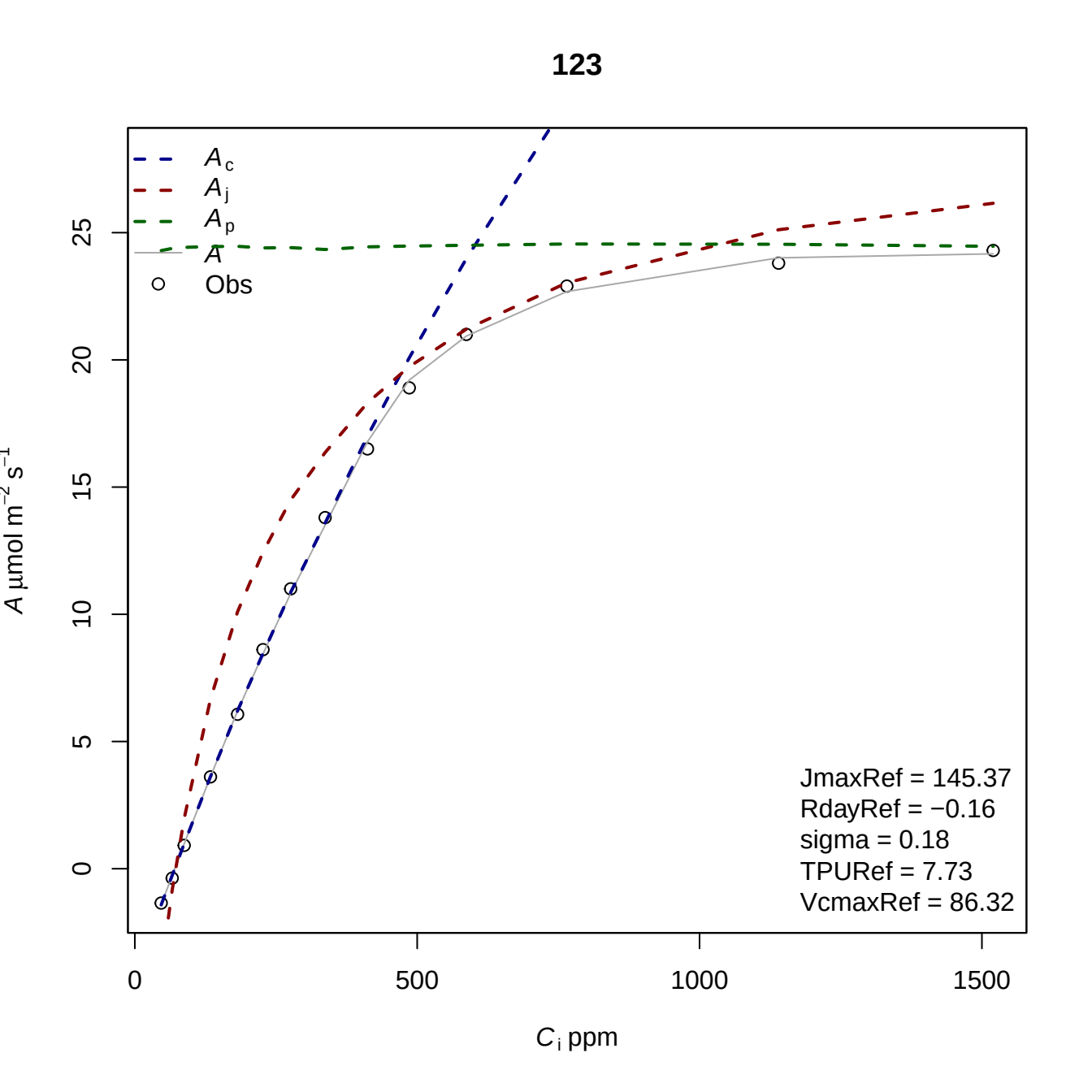

118
A_c
A_j
A_p
A
Obs
JmaxRef = 190.33
RdayRef = 1.73
sigma = 0.28
TPURef = 25.31
VcmaxRef = 81.79
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

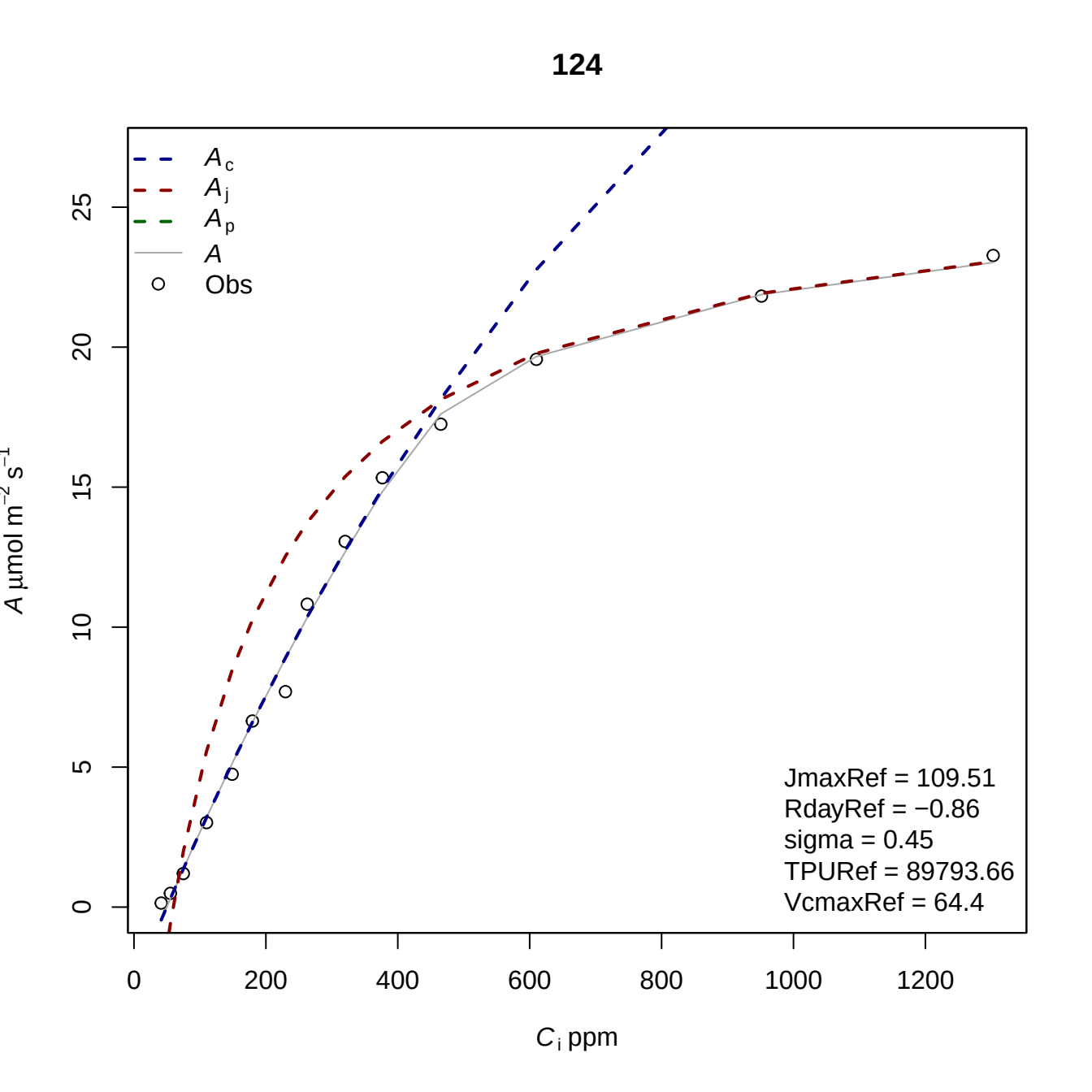

119
A_c
A_j
A_p
A
Obs
JmaxRef = 162.08
RdayRef = 0.89
sigma = 0.3
TPURef = 25.77
VcmaxRef = 79.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200
1400

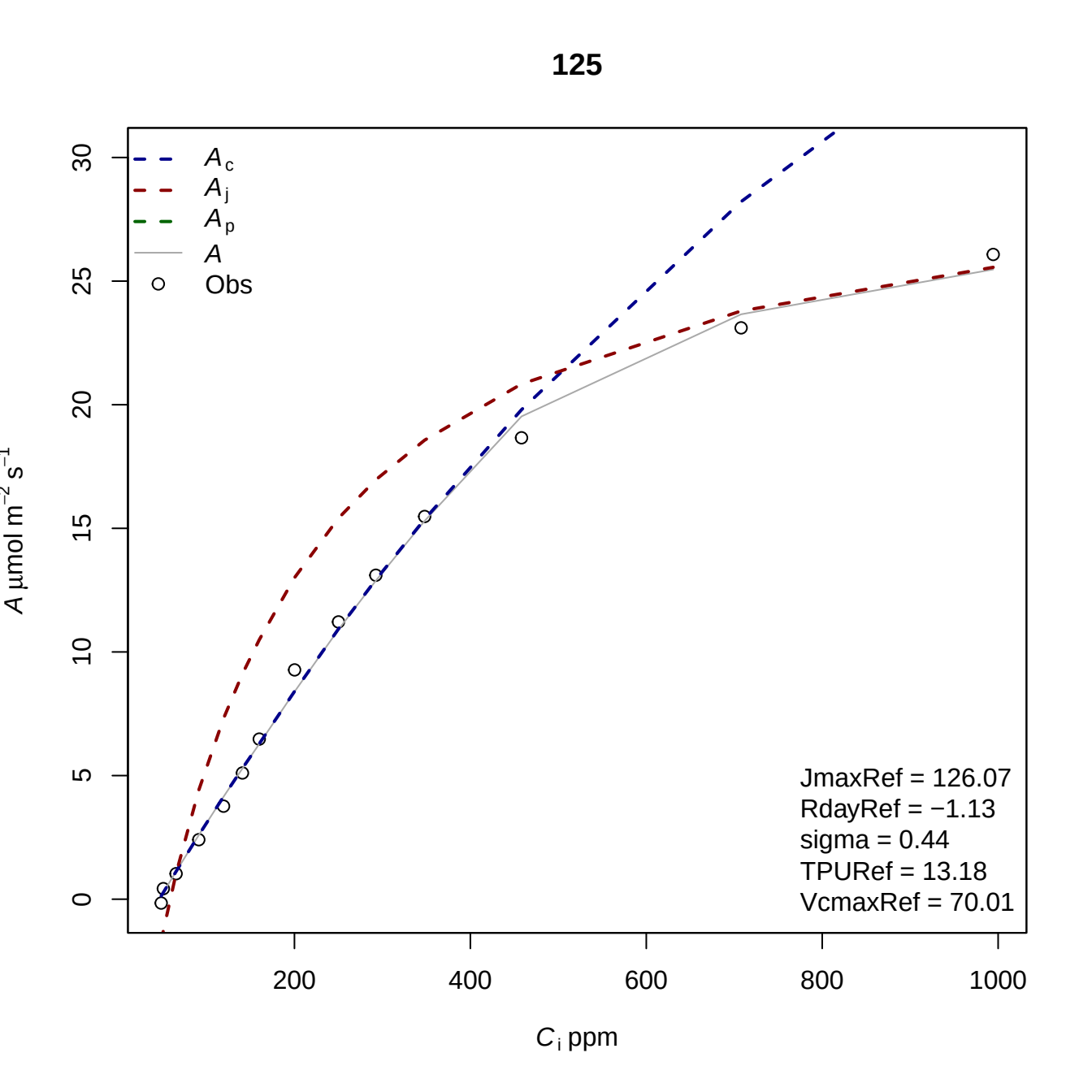

120
A_c
A_j
A_p
A
Obs
JmaxRef = 91.11
RdayRef = 1.36
sigma = 0.42
TPURef = 13.19
VcmaxRef = 36.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200
1400

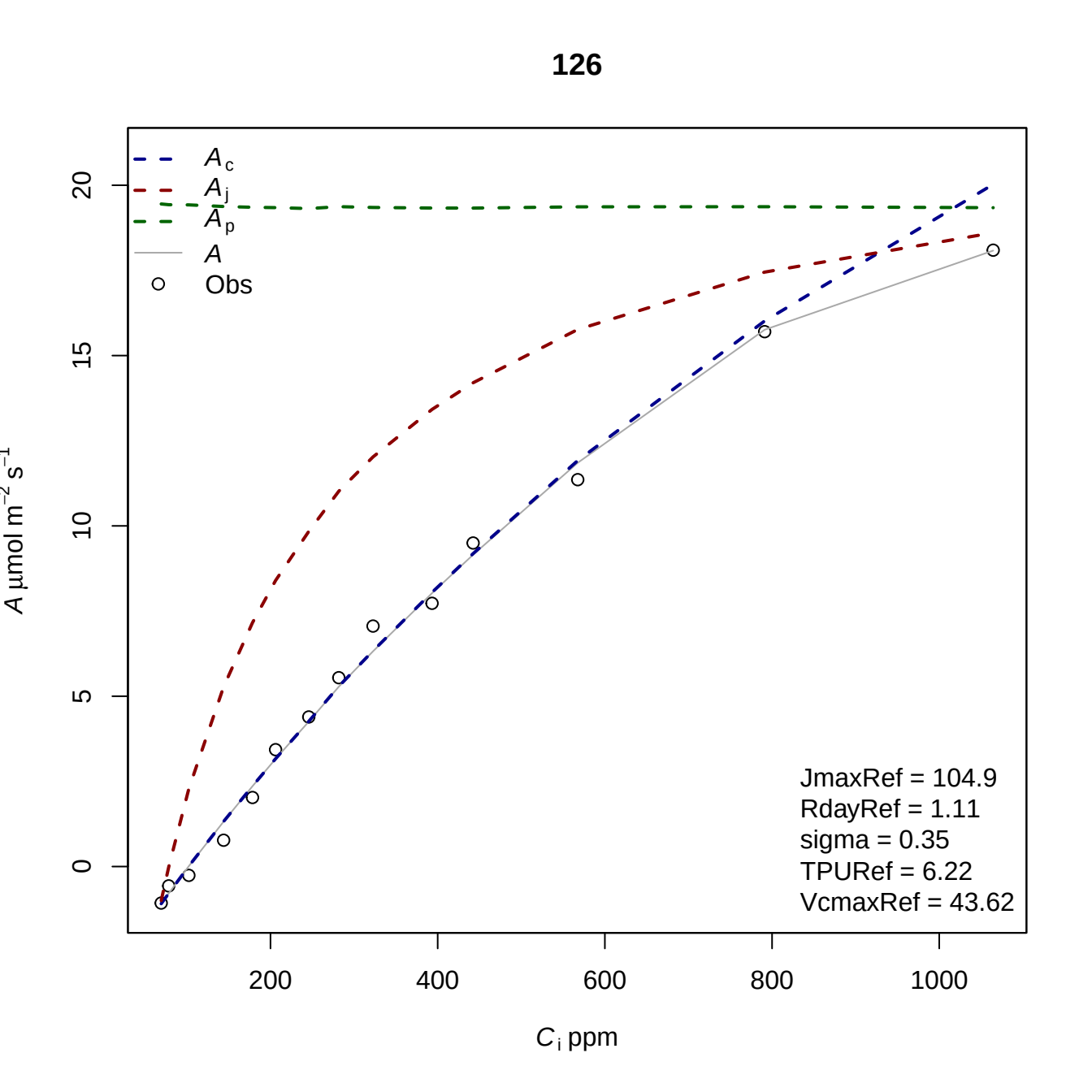

121
A_c
A_j
A_p
A
Obs
JmaxRef = 76.82
RdayRef = 1.32
sigma = 0.3
TPURef = 11.06
VcmaxRef = 31.62
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

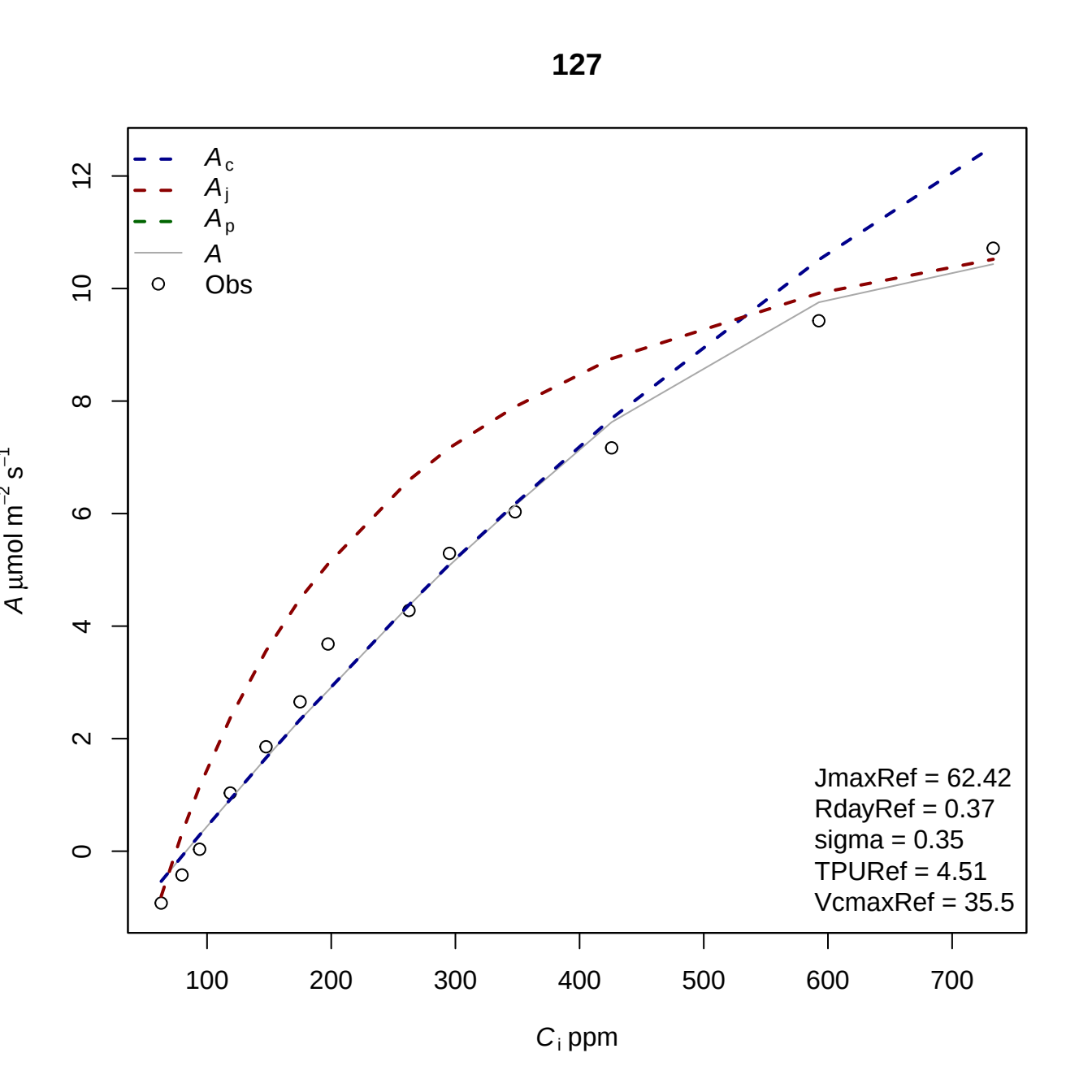

122
A_c
A_j
A_p
A
Obs
JmaxRef = 112.67
RdayRef = 1.29
sigma = 0.29
TPURef = 10858.55
VcmaxRef = 54.19
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

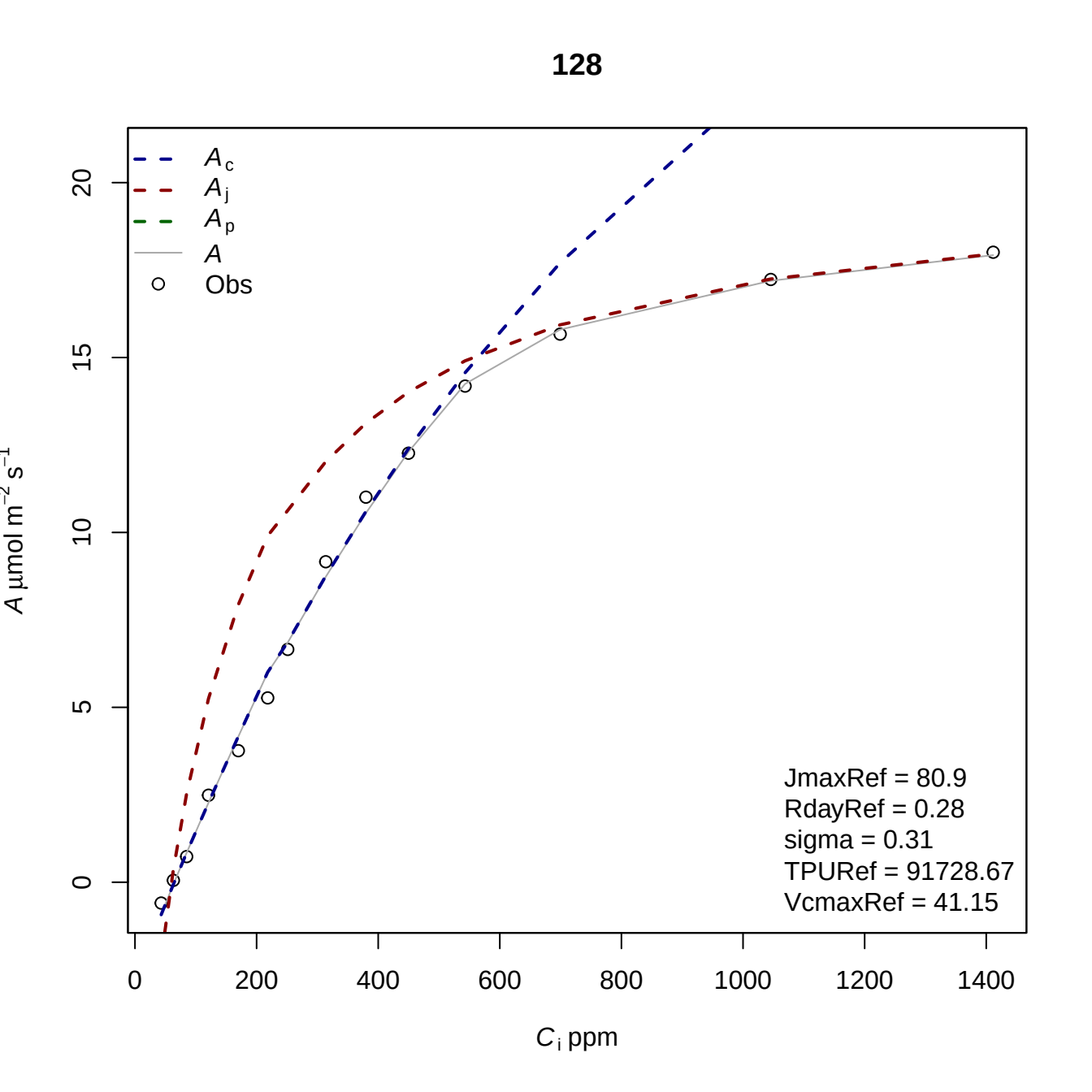

123
A_c
A_j
A_p
A
Obs
JmaxRef = 145.37
RdayRef = −0.16
sigma = 0.18
TPURef = 7.73
VcmaxRef = 86.32
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

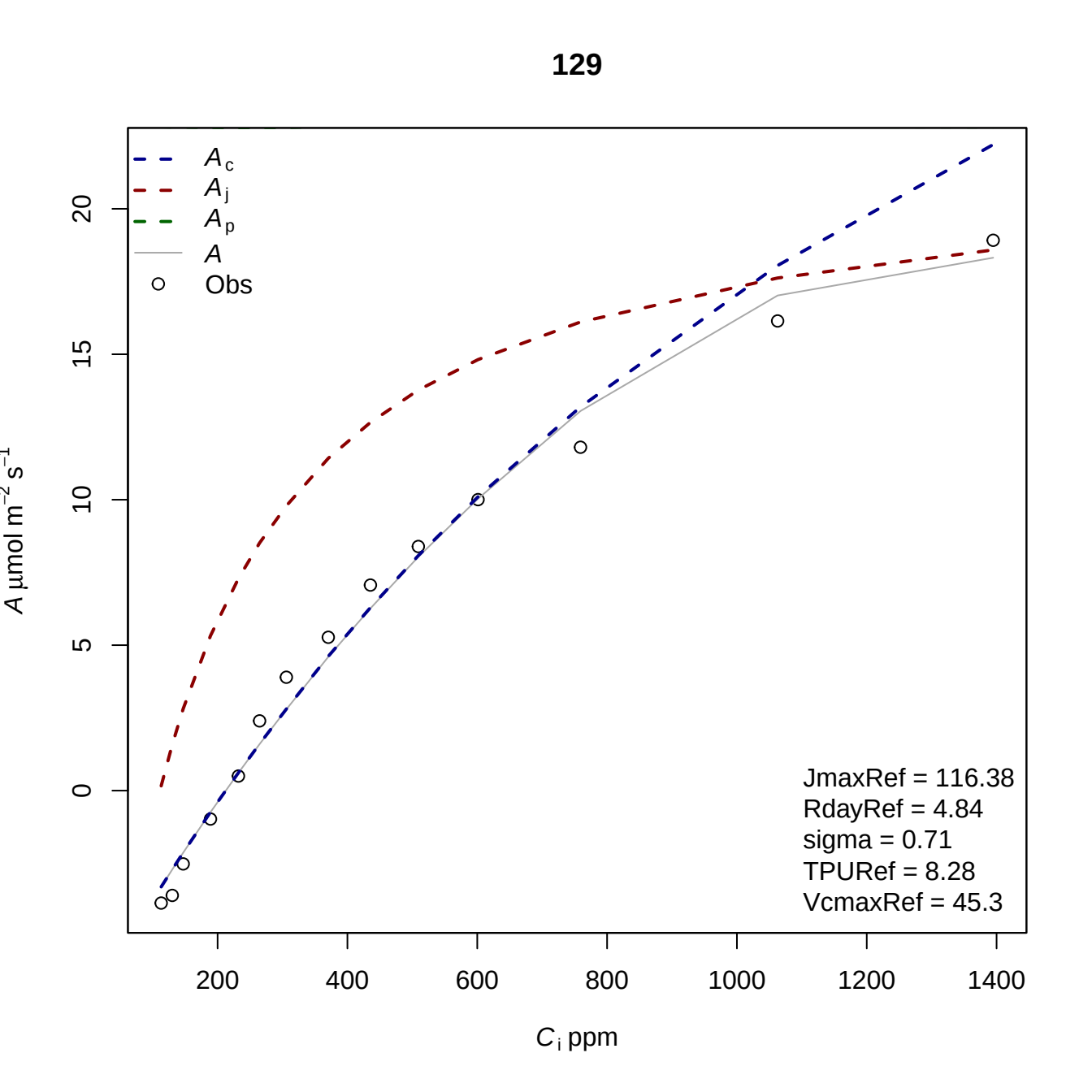

124
A_c
A_j
A_p
A
Obs
JmaxRef = 109.51
RdayRef = −0.86
sigma = 0.45
TPURef = 89793.66
VcmaxRef = 64.4
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200

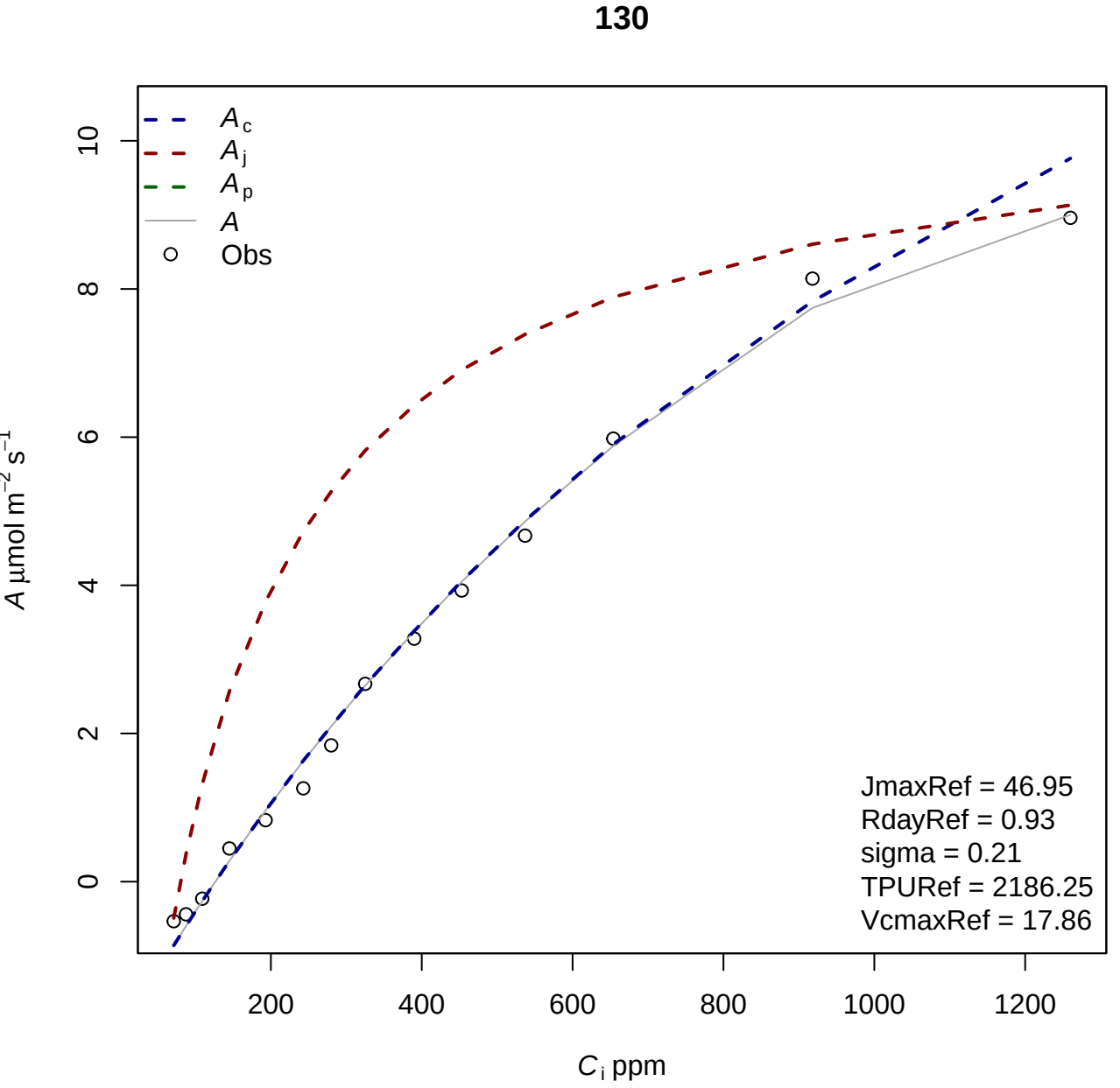

125
A_c
A_j
A_p
A
Obs
JmaxRef = 126.07
RdayRef = −1.13
sigma = 0.44
TPURef = 13.18
VcmaxRef = 70.01
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000

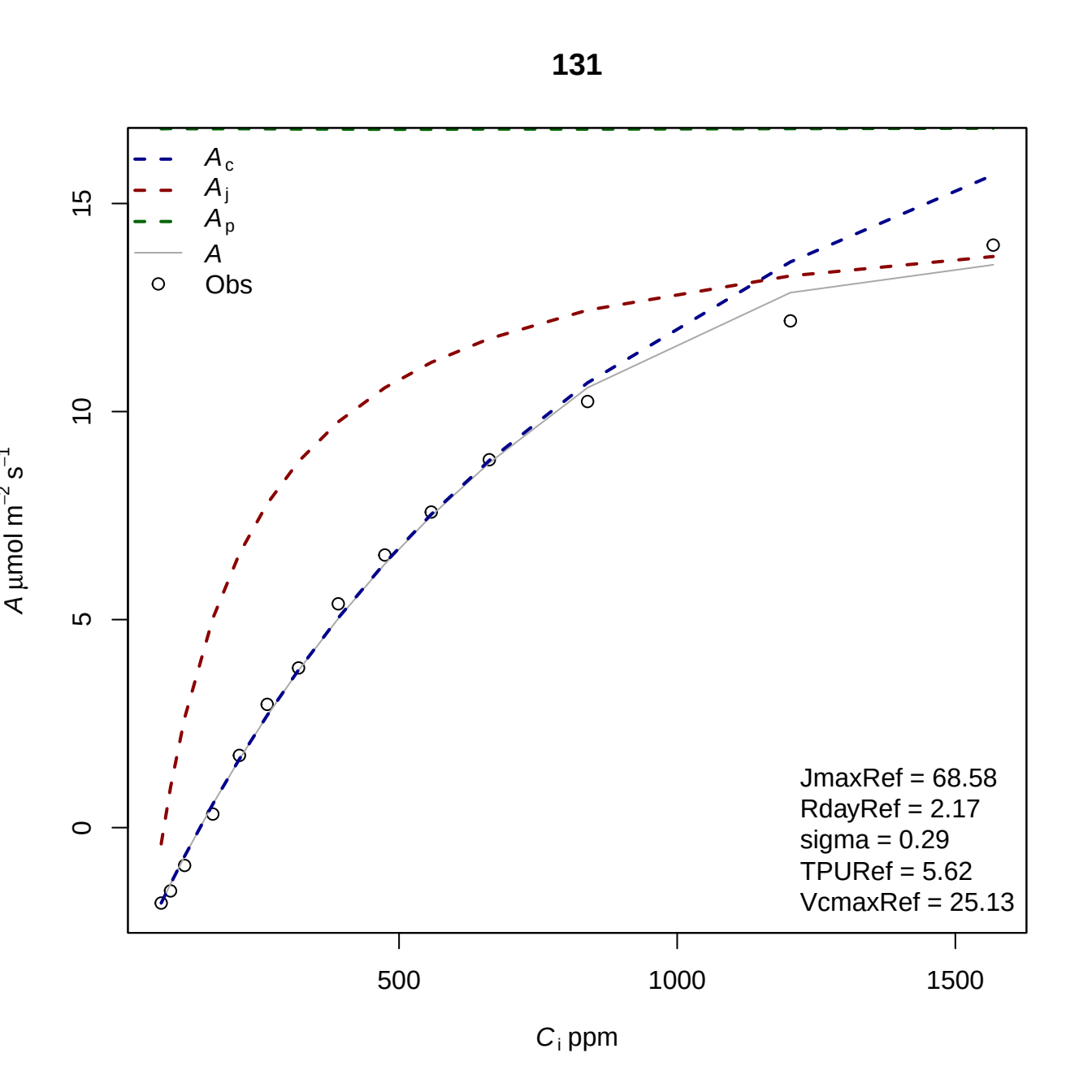

126
A_c
A_j
A_p
A
Obs
JmaxRef = 104.9
RdayRef = 1.11
sigma = 0.35
TPURef = 6.22
VcmaxRef = 43.62
0
5
10
15
20
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

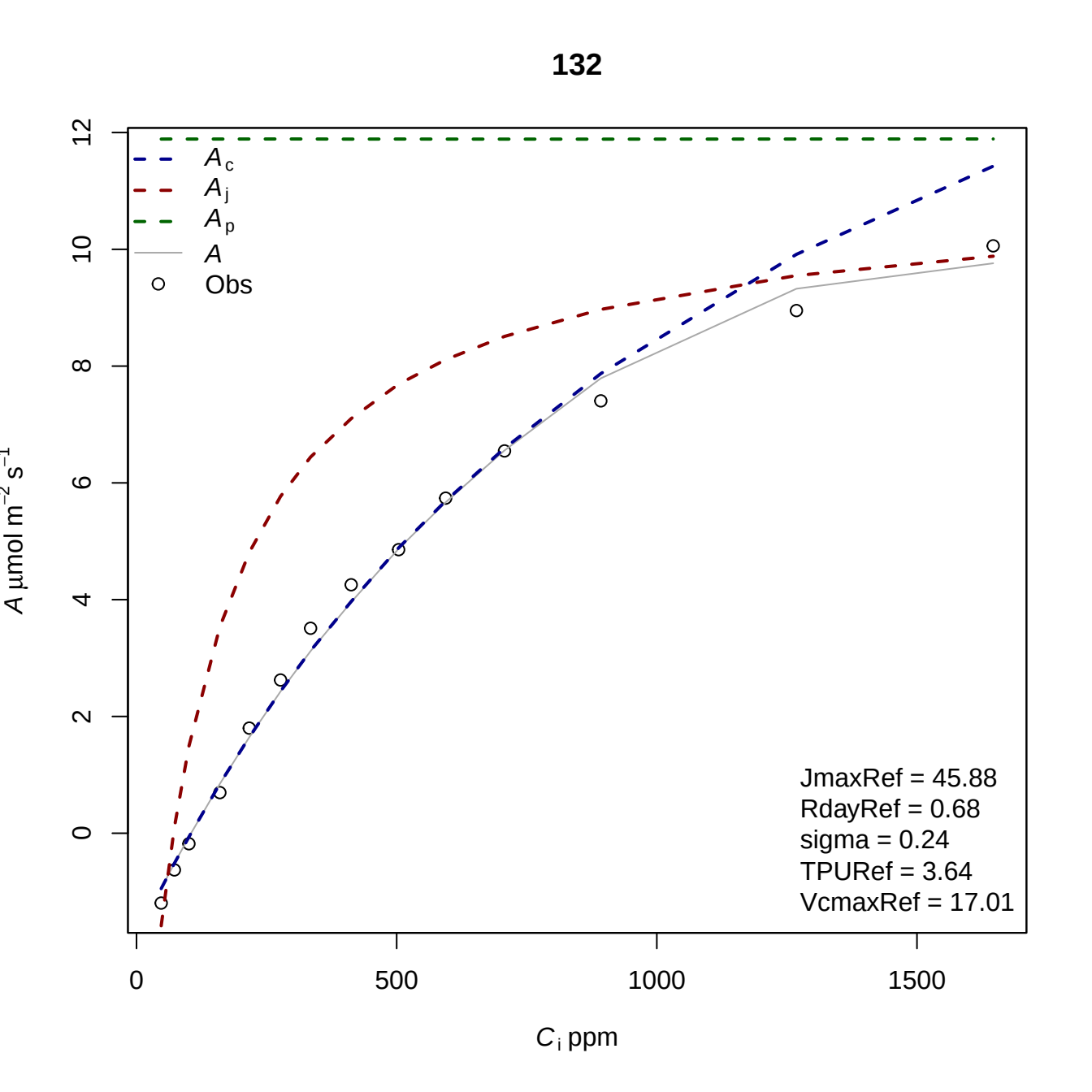

127
A_c
A_j
A_p
A
Obs
JmaxRef = 62.42
RdayRef = 0.37
sigma = 0.35
TPURef = 4.51
VcmaxRef = 35.5
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
100
200
300
400
500
600
700

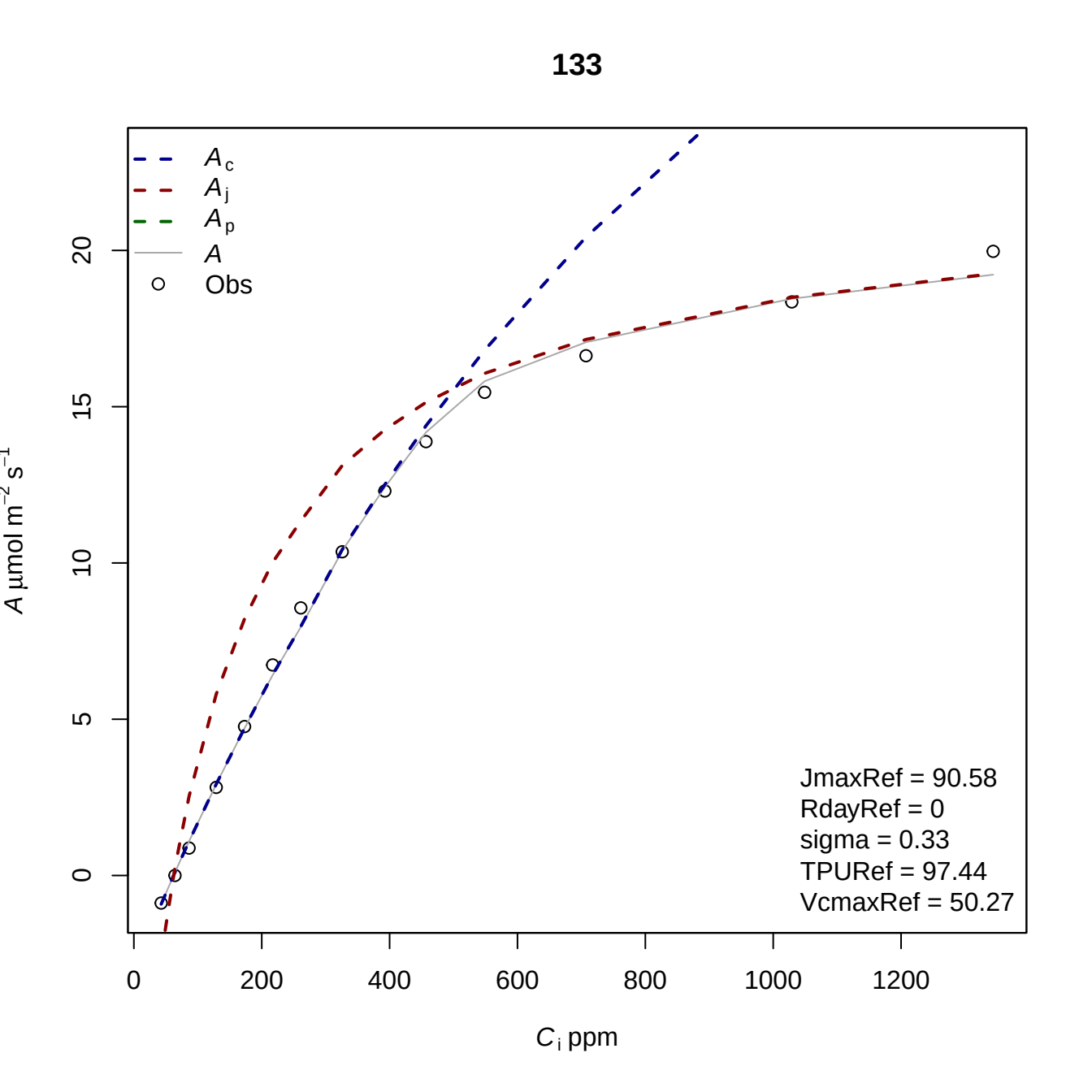

128
A_c
A_j
A_p
A
Obs
JmaxRef = 80.9
RdayRef = 0.28
sigma = 0.31
TPURef = 91728.67
VcmaxRef = 41.15
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

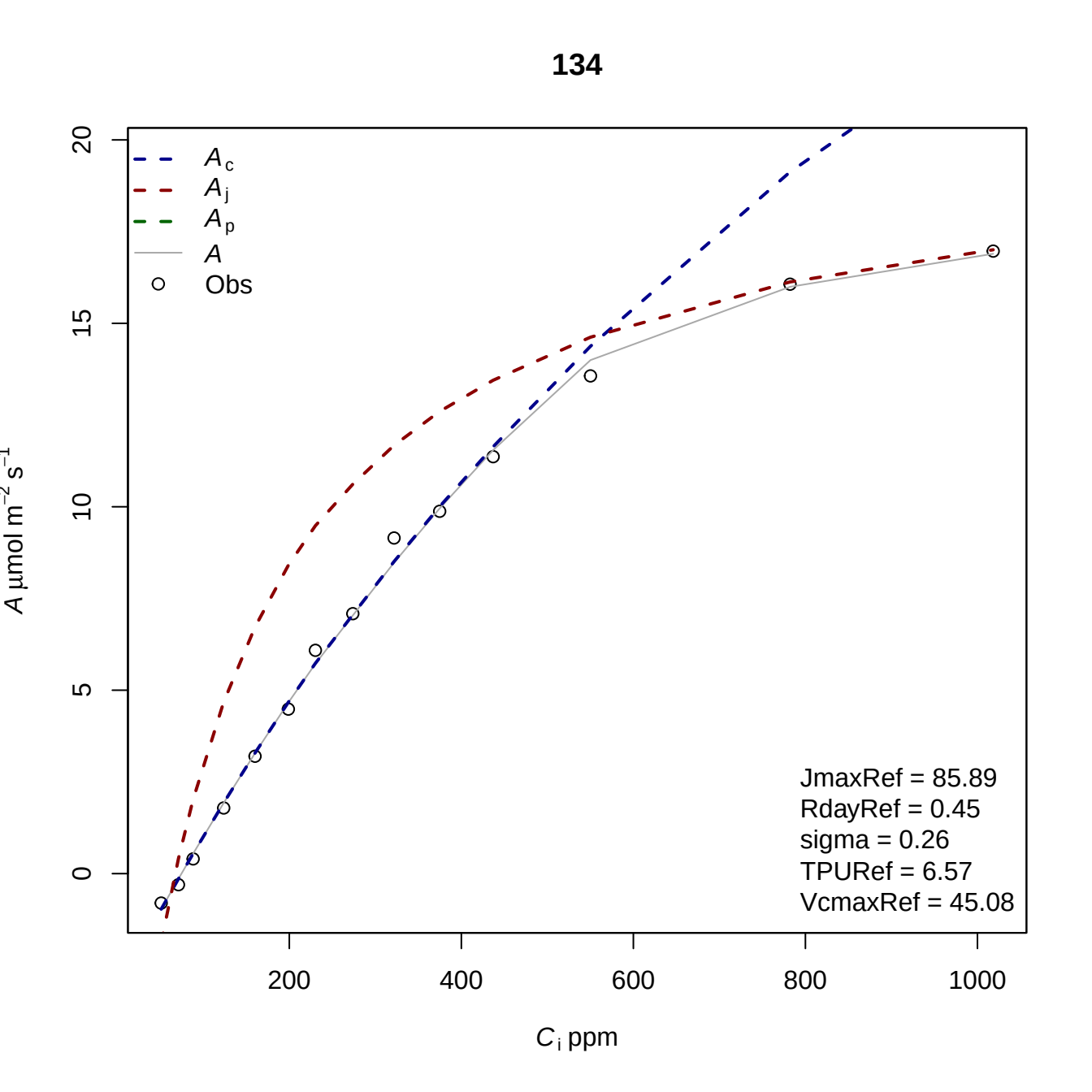

129
A_c
A_j
A_p
A
Obs
JmaxRef = 116.38
RdayRef = 4.84
sigma = 0.71
TPURef = 8.28
VcmaxRef = 45.3
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200
1400

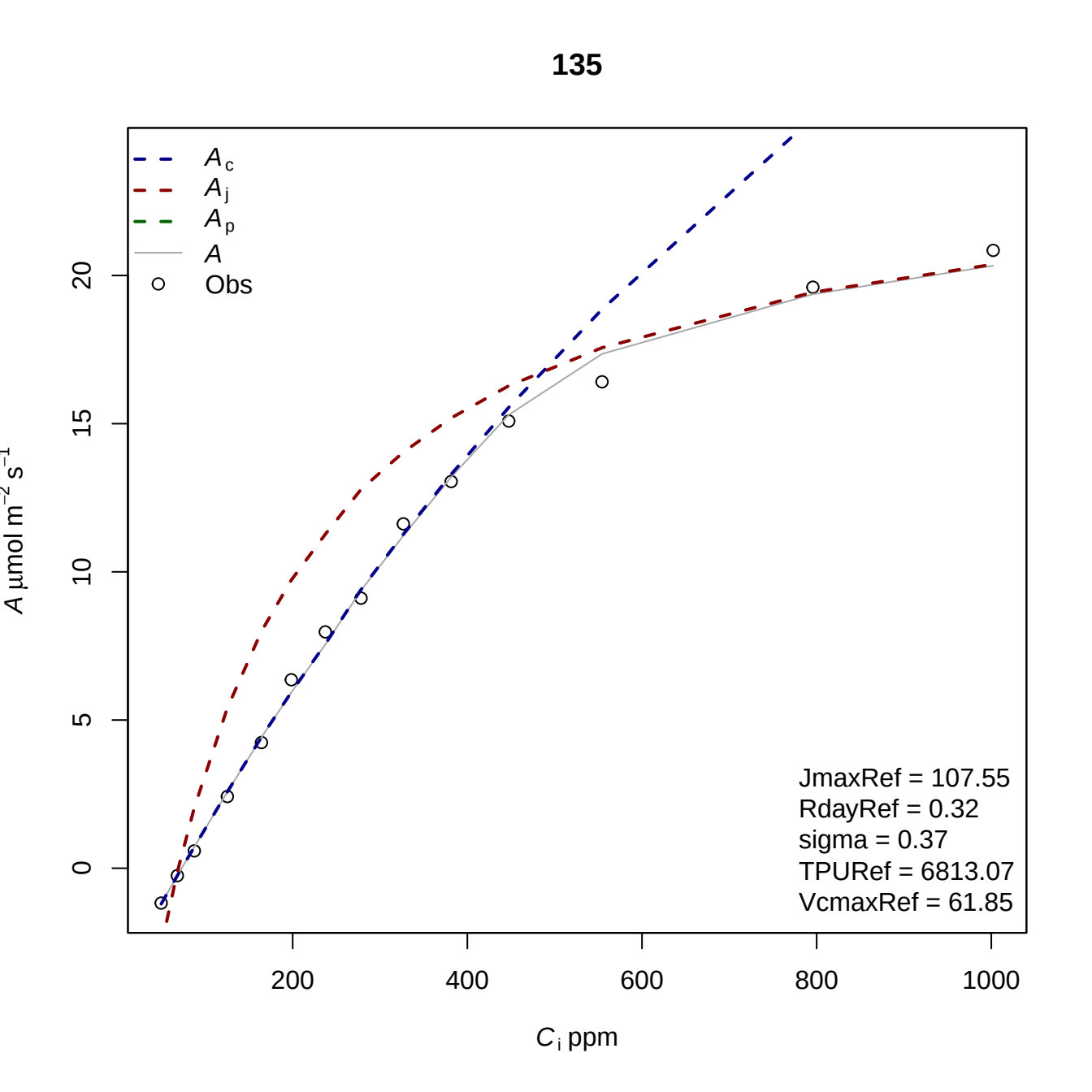

130
A_c
A_j
A_p
A
Obs
JmaxRef = 46.95
RdayRef = 0.93
sigma = 0.21
TPURef = 2186.25
VcmaxRef = 17.86
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
200
400
600
800
1000
1200

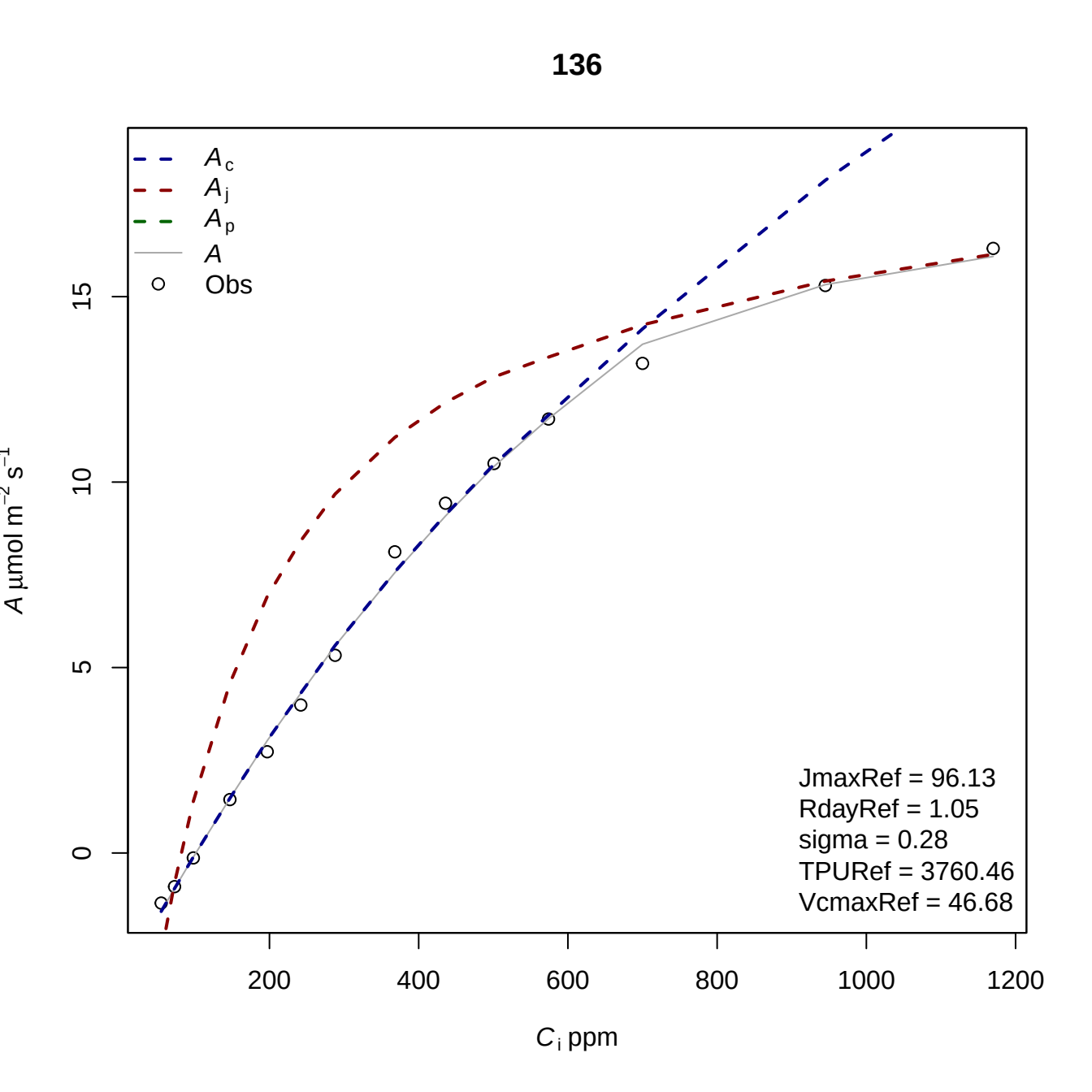

131
A_c
A_j
A_p
A
Obs
JmaxRef = 68.58
RdayRef = 2.17
sigma = 0.29
TPURef = 5.62
VcmaxRef = 25.13
0
5
10
15
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

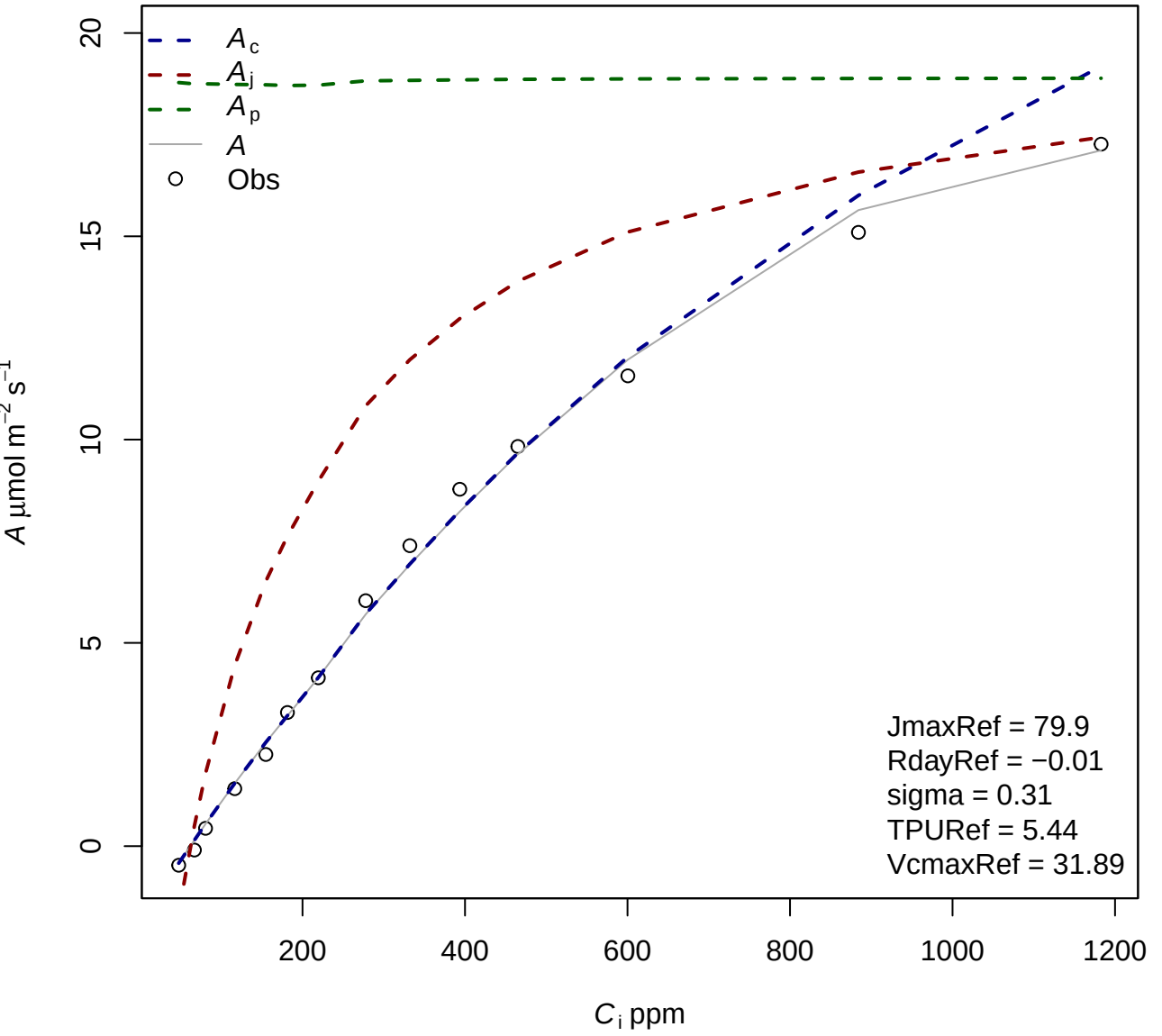

132
A_c
A_j
A_p
A
Obs
JmaxRef = 45.88
RdayRef = 0.68
sigma = 0.24
TPURef = 3.64
VcmaxRef = 17.01
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
0
500
1000
1500

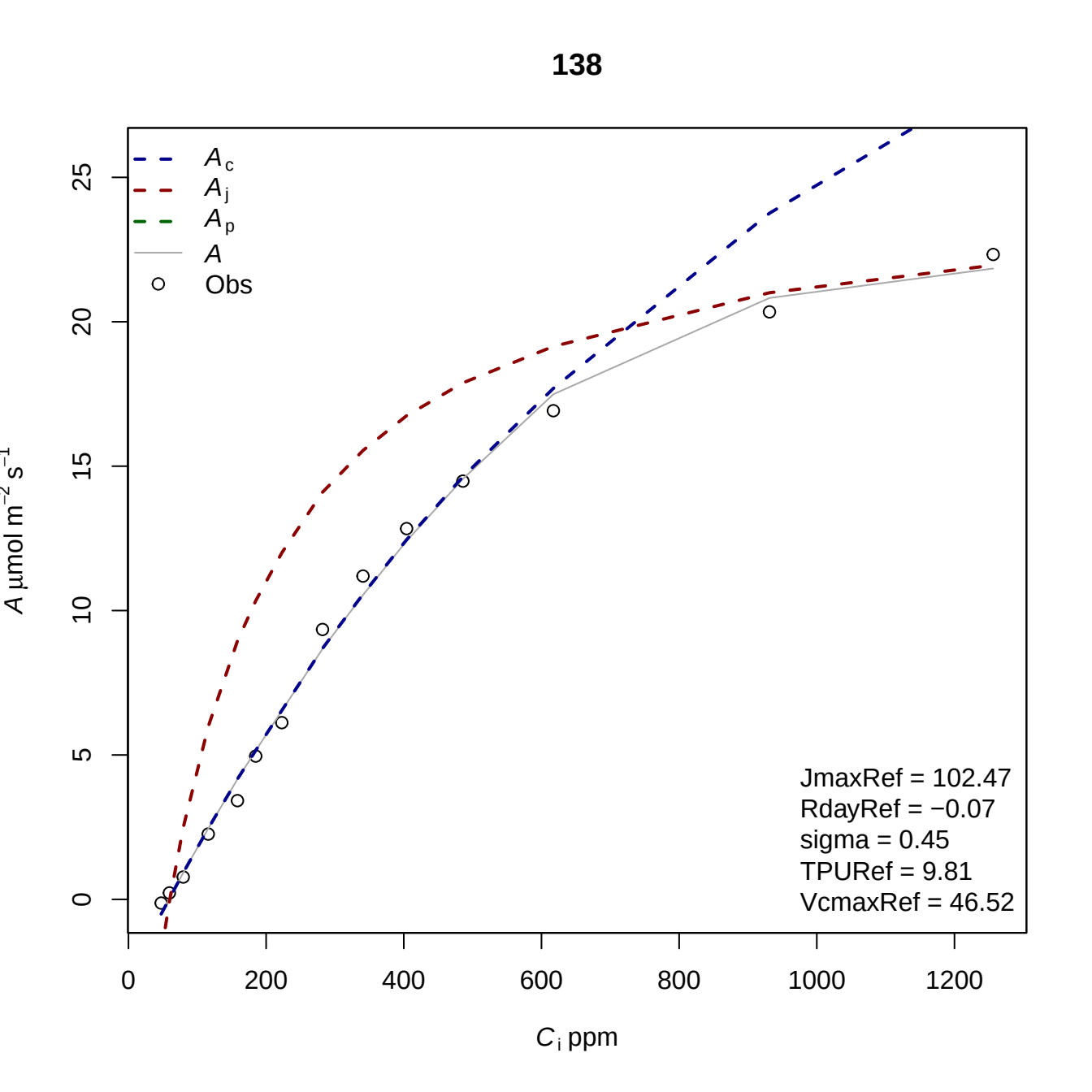

133
A_c
A_j
A_p
A
Obs
JmaxRef = 90.58
RdayRef = 0
sigma = 0.33
TPURef = 97.44
VcmaxRef = 50.27
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200

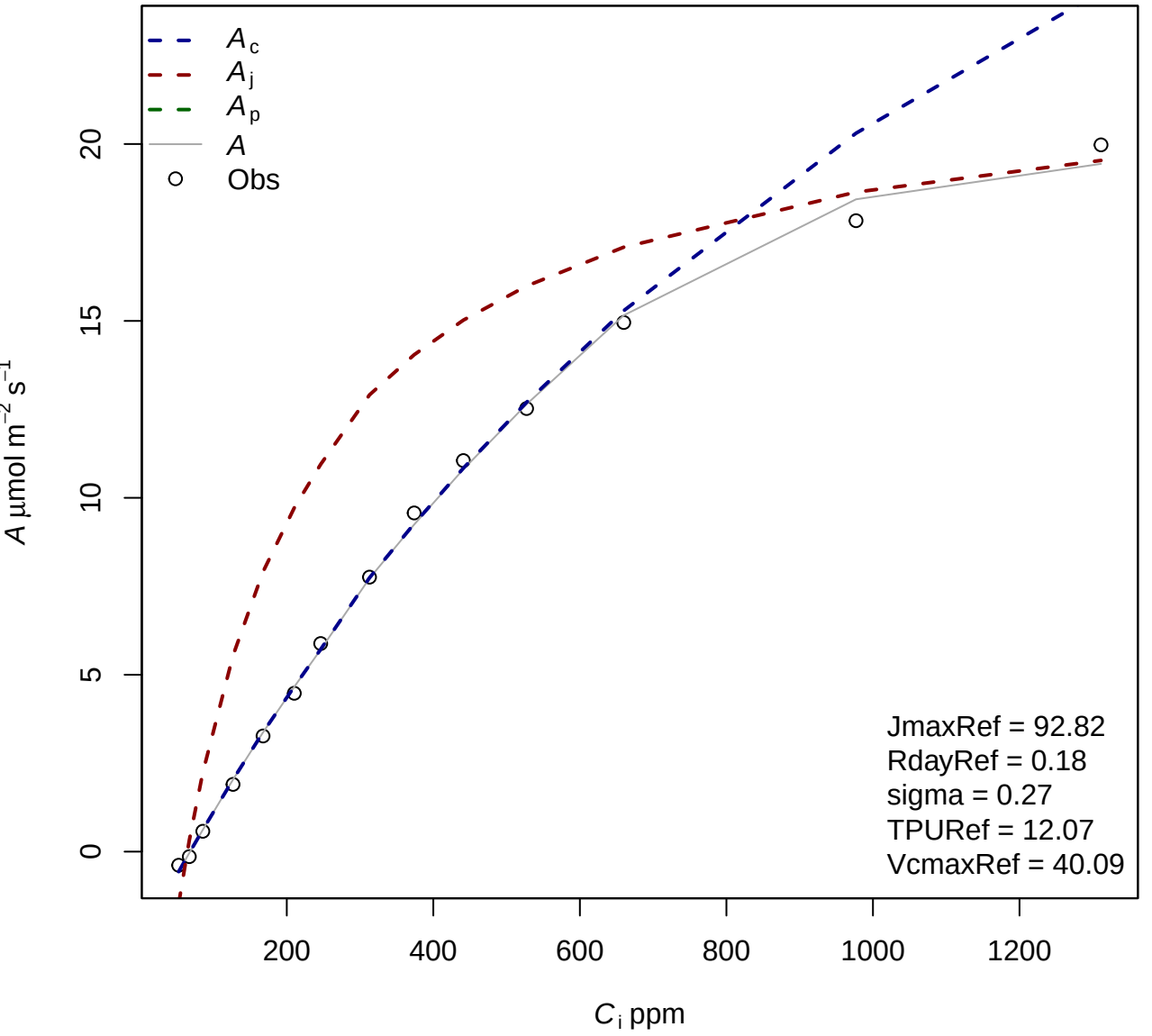

134
A_c
A_j
A_p
A
Obs
JmaxRef = 85.89
RdayRef = 0.45
sigma = 0.26
TPURef = 6.57
VcmaxRef = 45.08
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

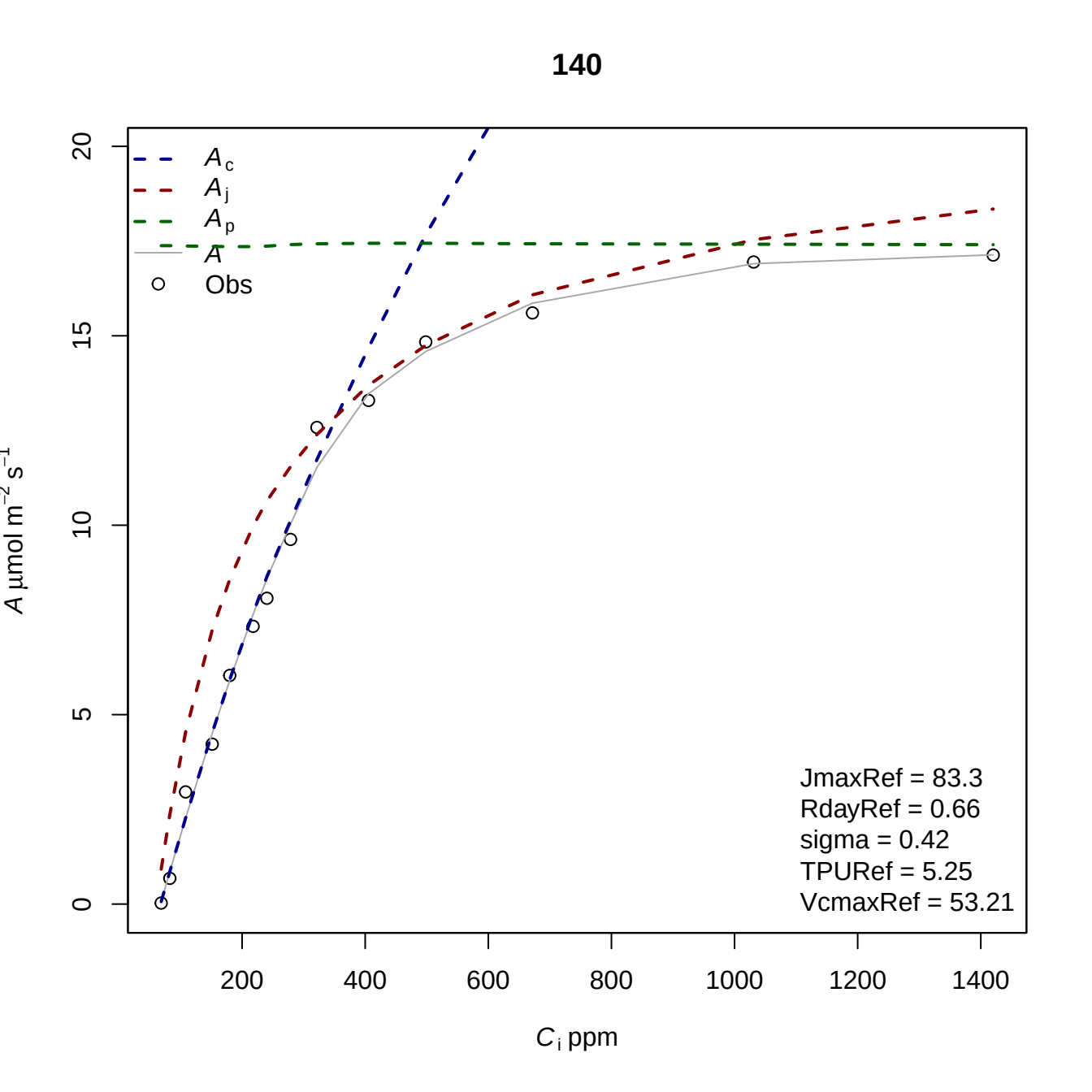

135
A_c
A_j
A_p
A
Obs
JmaxRef = 107.55
RdayRef = 0.32
sigma = 0.37
TPURef = 6813.07
VcmaxRef = 61.85
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

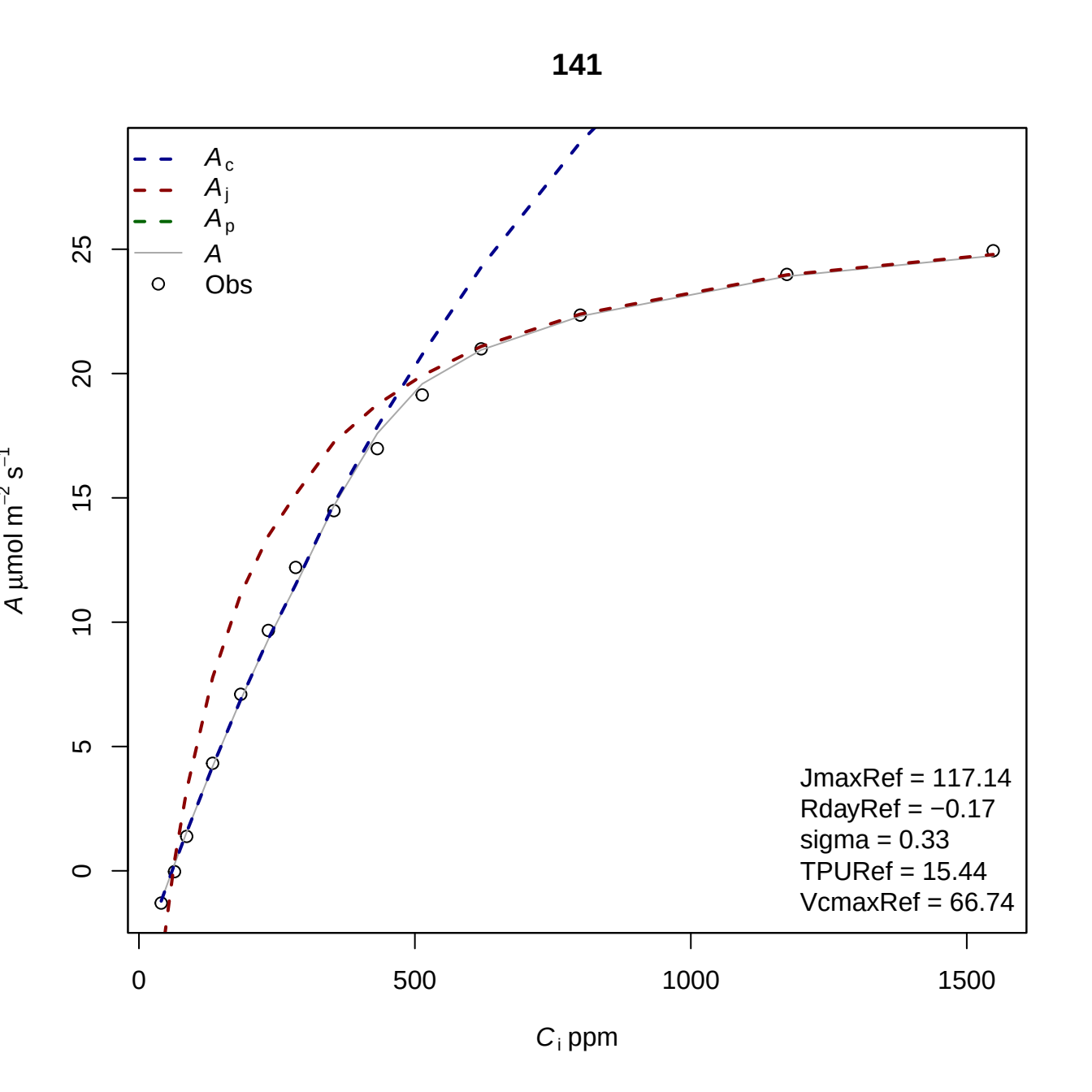

136
A_c
A_j
A_p
A
Obs
JmaxRef = 96.13
RdayRef = 1.05
sigma = 0.28
TPURef = 3760.46
VcmaxRef = 46.68
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
200
400
600
800
1000
1200

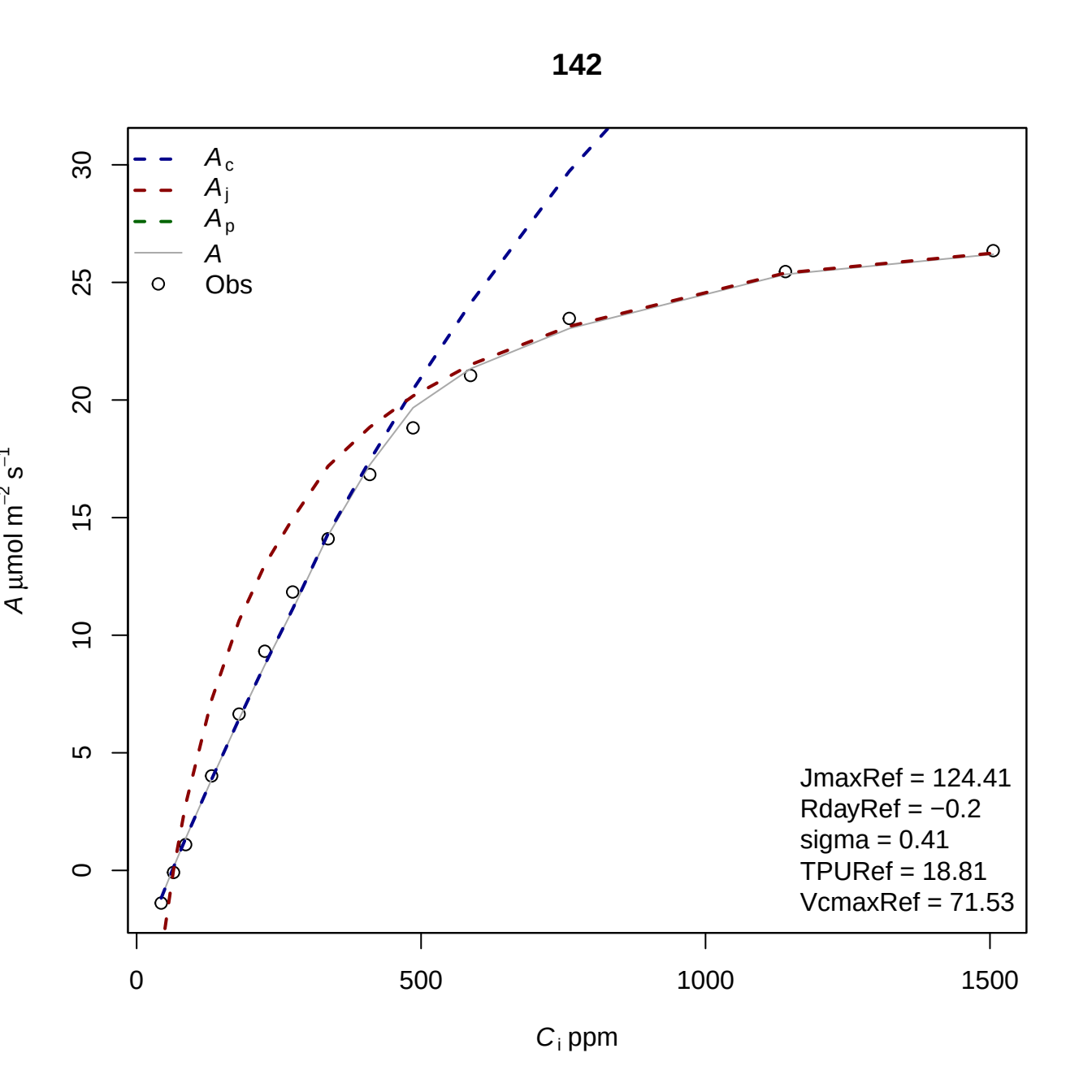

A_c
A_j
A_p
A
Obs
JmaxRef = 79.9
RdayRef = −0.01
sigma = 0.31
TPURef = 5.44
VcmaxRef = 31.89
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

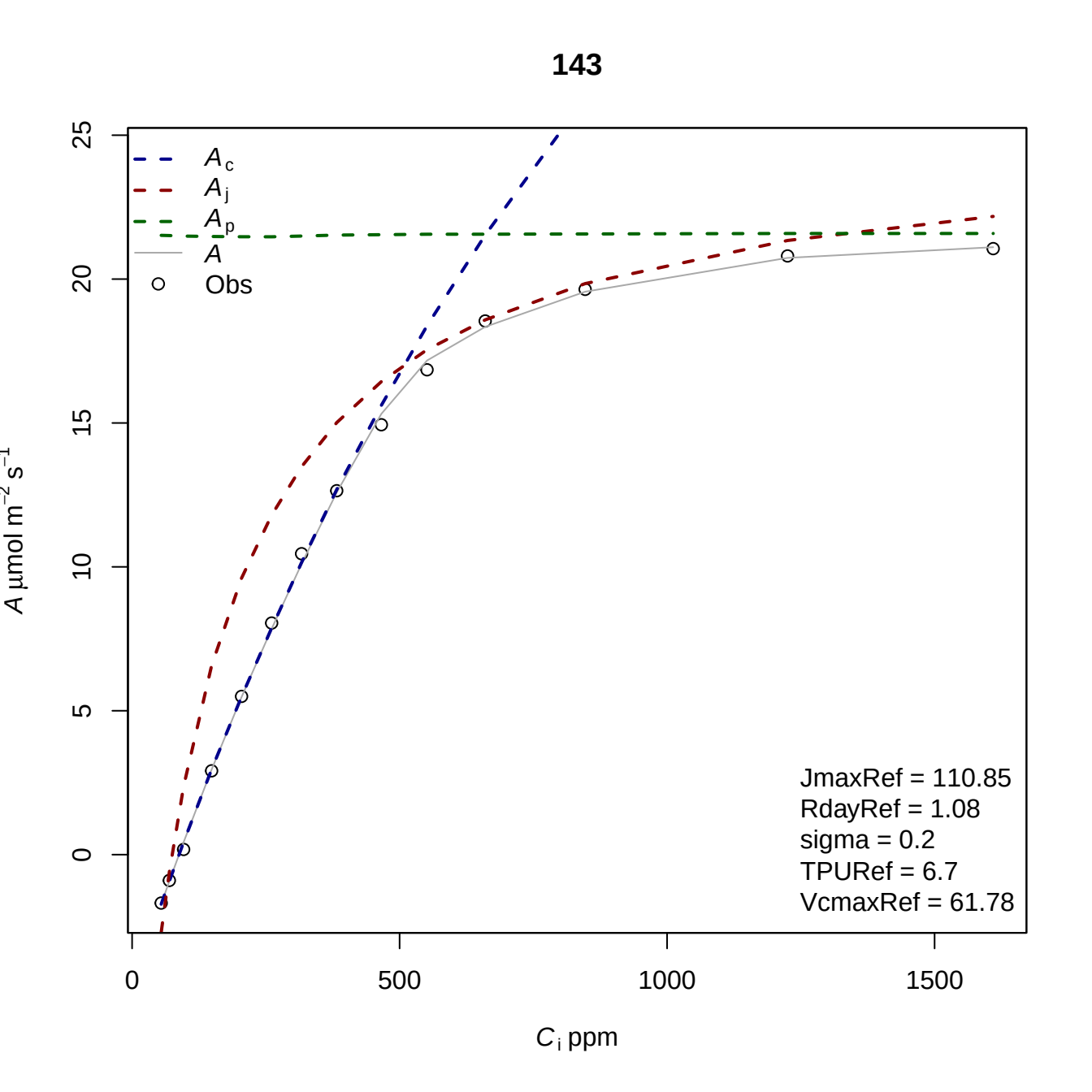

138
A_c
A_j
A_p
A
Obs
JmaxRef = 102.47
RdayRef = −0.07
sigma = 0.45
TPURef = 9.81
VcmaxRef = 46.52
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200

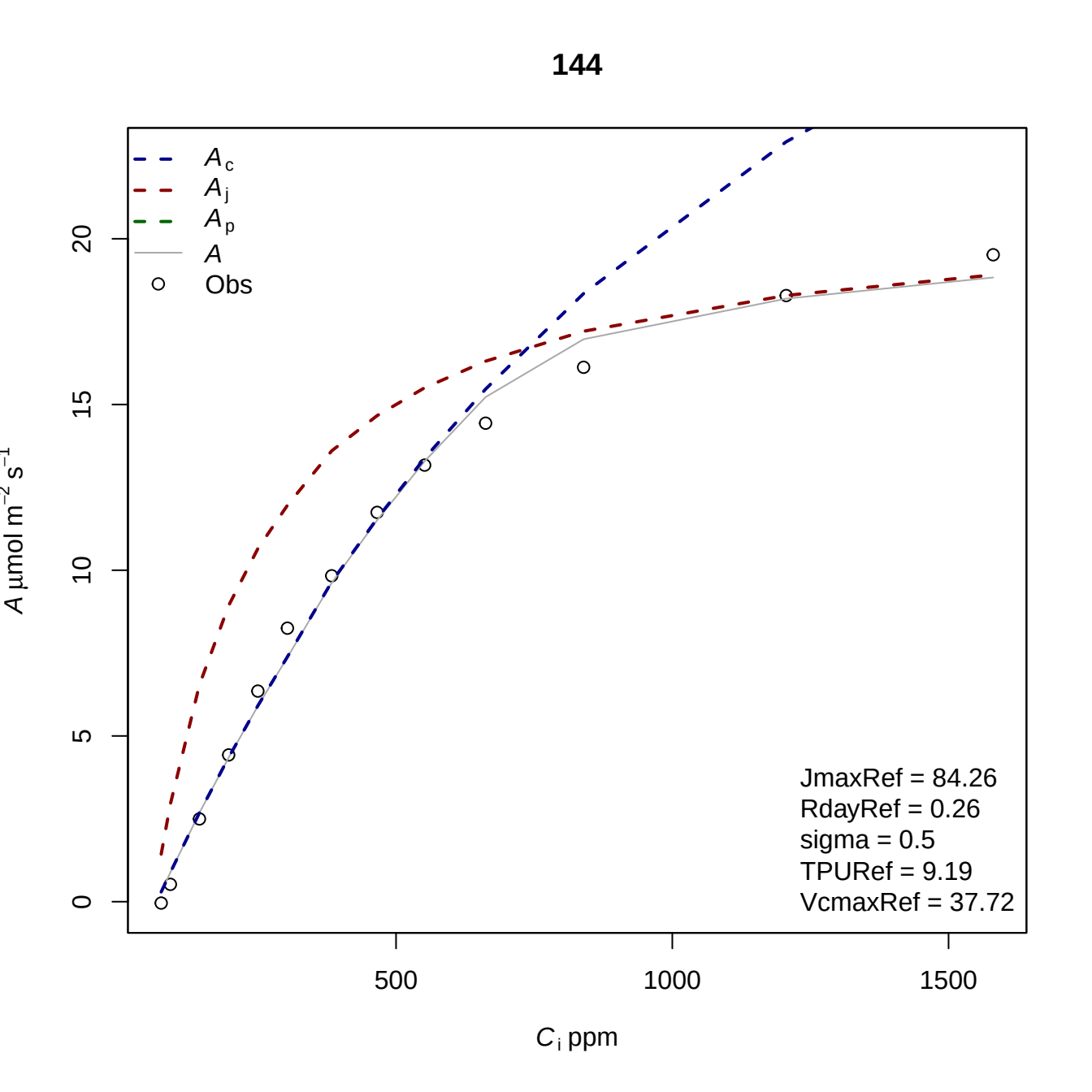

A_c
A_j
A_p
A
Obs
JmaxRef = 92.82
RdayRef = 0.18
sigma = 0.27
TPURef = 12.07
VcmaxRef = 40.09
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

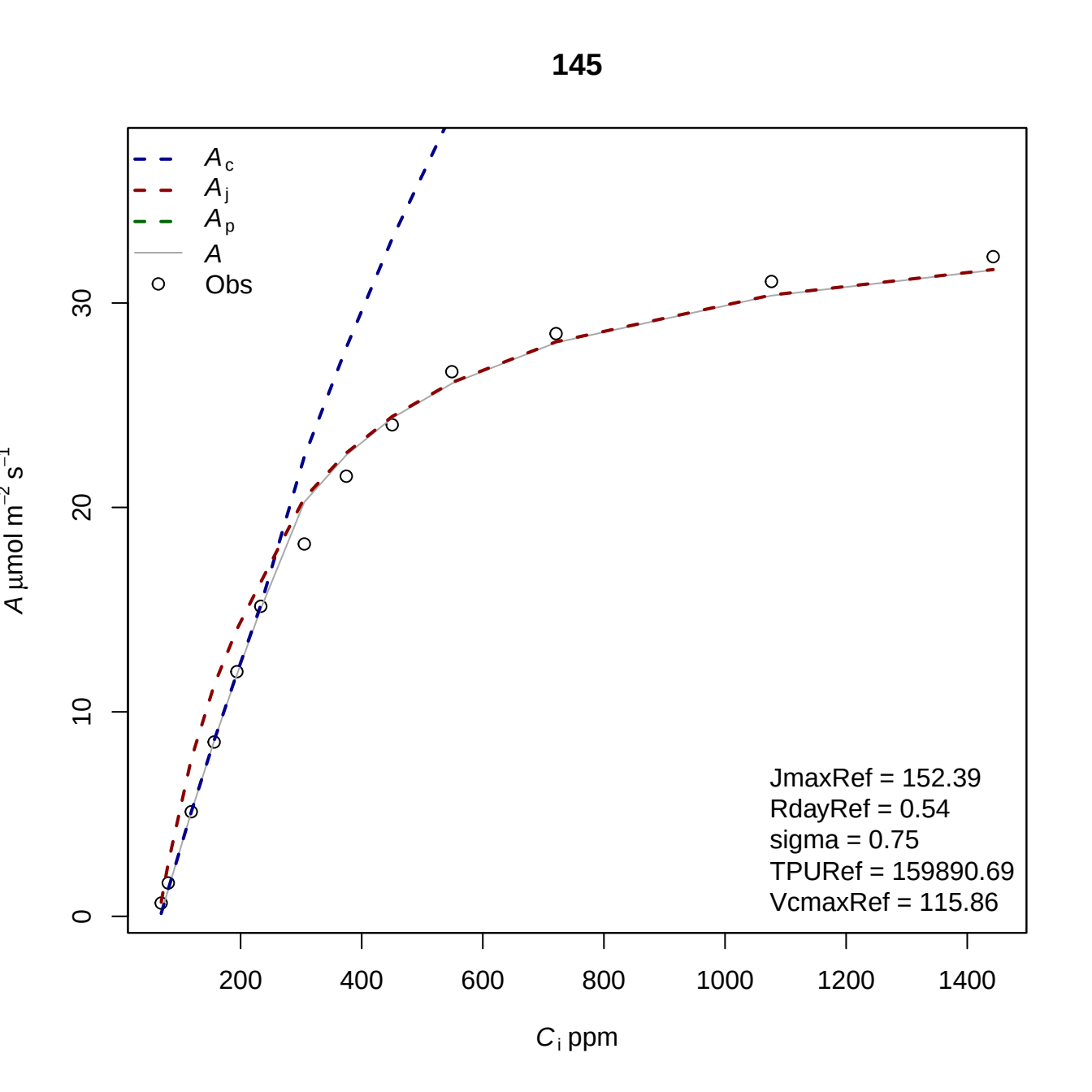

140
A_c
A_j
A_p
A
Obs
JmaxRef = 83.3
RdayRef = 0.66
sigma = 0.42
TPURef = 5.25
VcmaxRef = 53.21
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200
1400

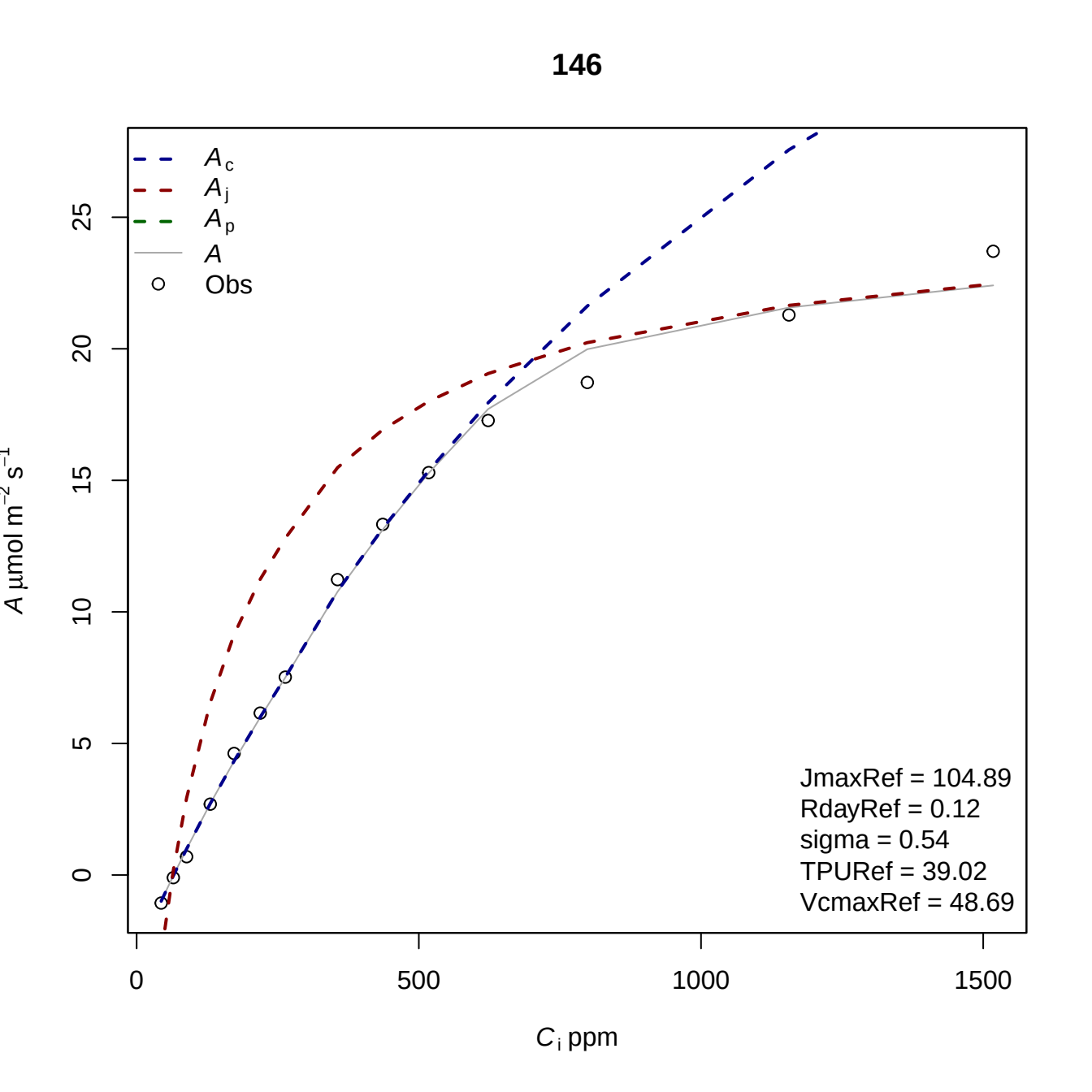

141
A_c
A_j
A_p
A
Obs
JmaxRef = 117.14
RdayRef = −0.17
sigma = 0.33
TPURef = 15.44
VcmaxRef = 66.74
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

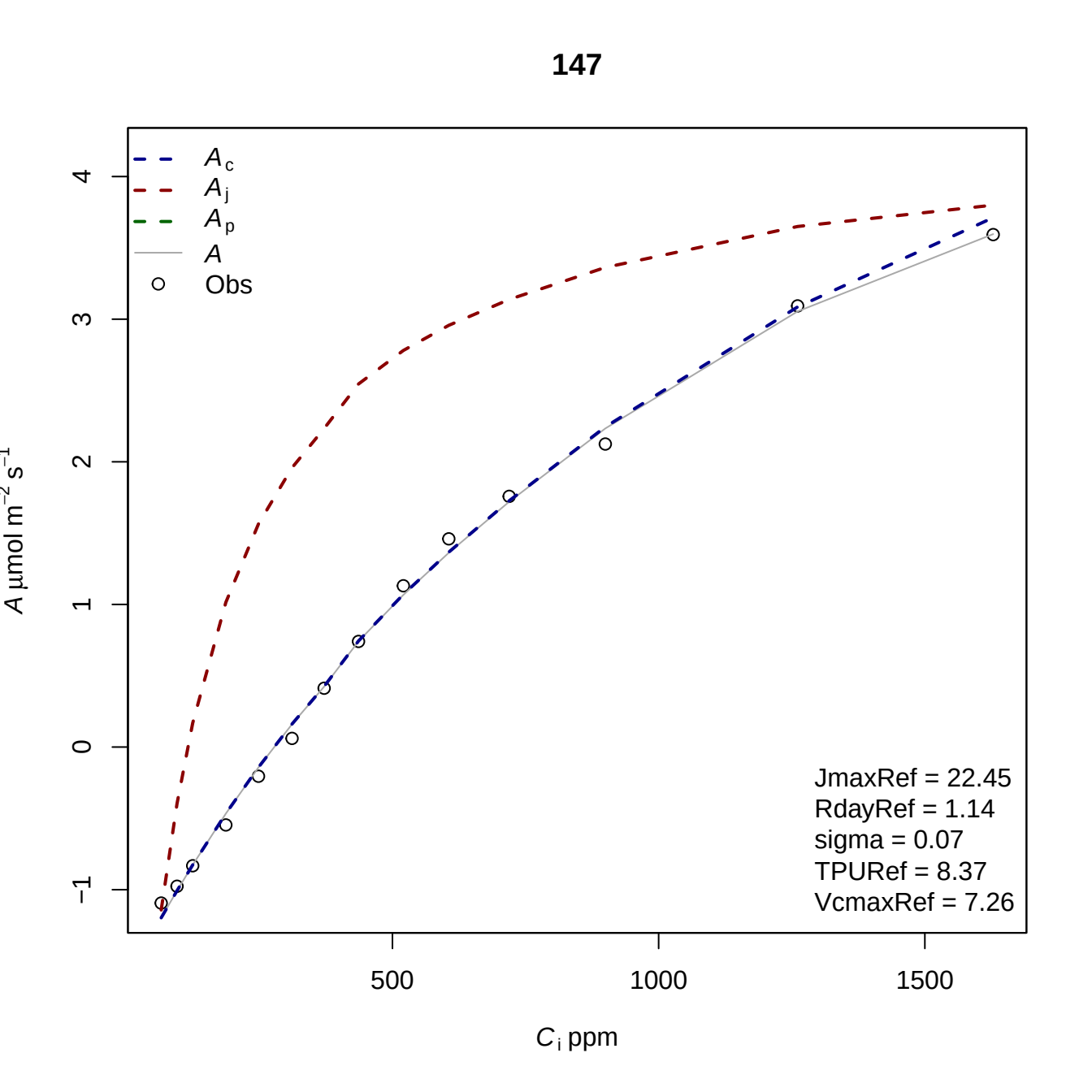

142
A_c
A_j
A_p
A
Obs
JmaxRef = 124.41
RdayRef = −0.2
sigma = 0.41
TPURef = 18.81
VcmaxRef = 71.53
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

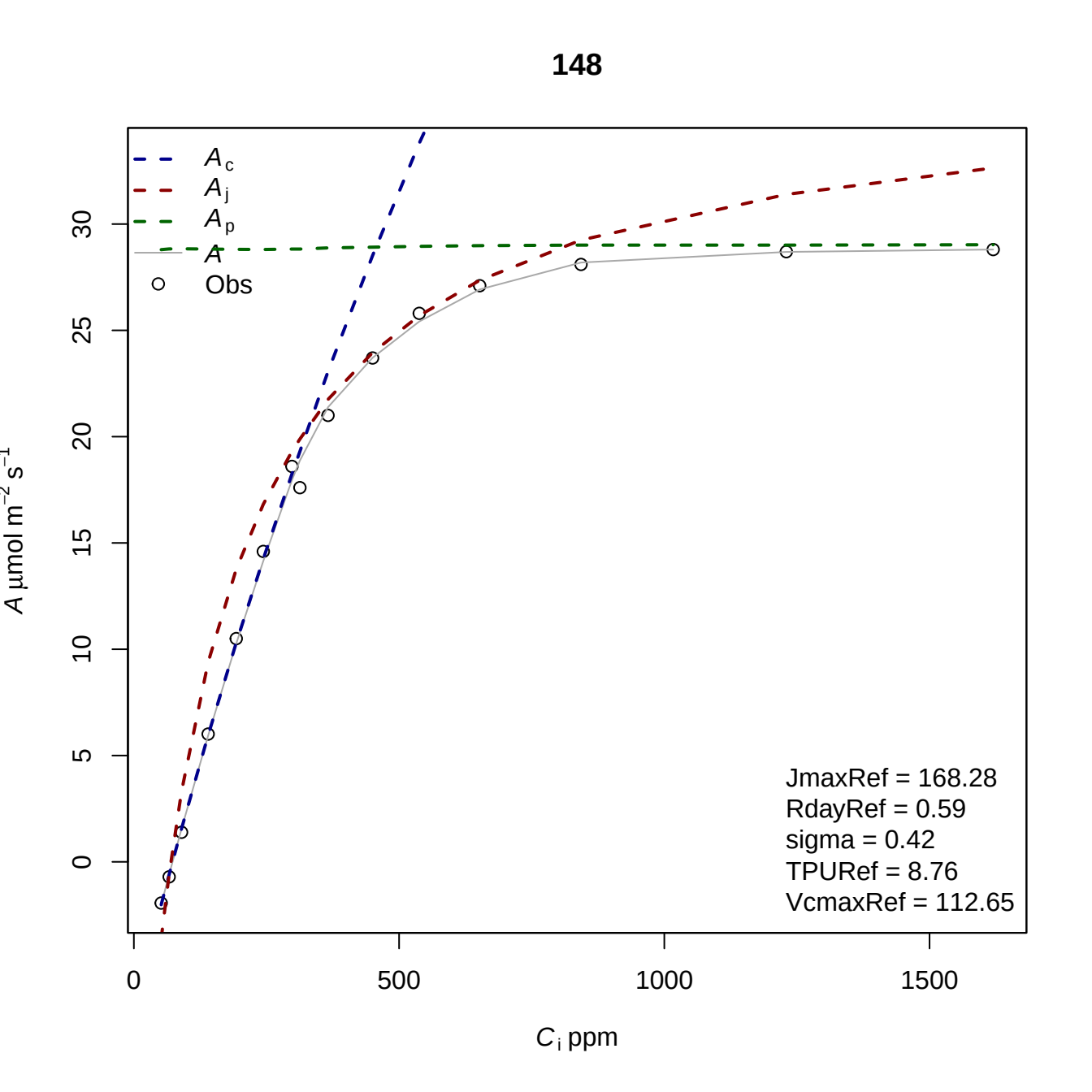

143
A_c
A_j
A_p
A
Obs
JmaxRef = 110.85
RdayRef = 1.08
sigma = 0.2
TPURef = 6.7
VcmaxRef = 61.78
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

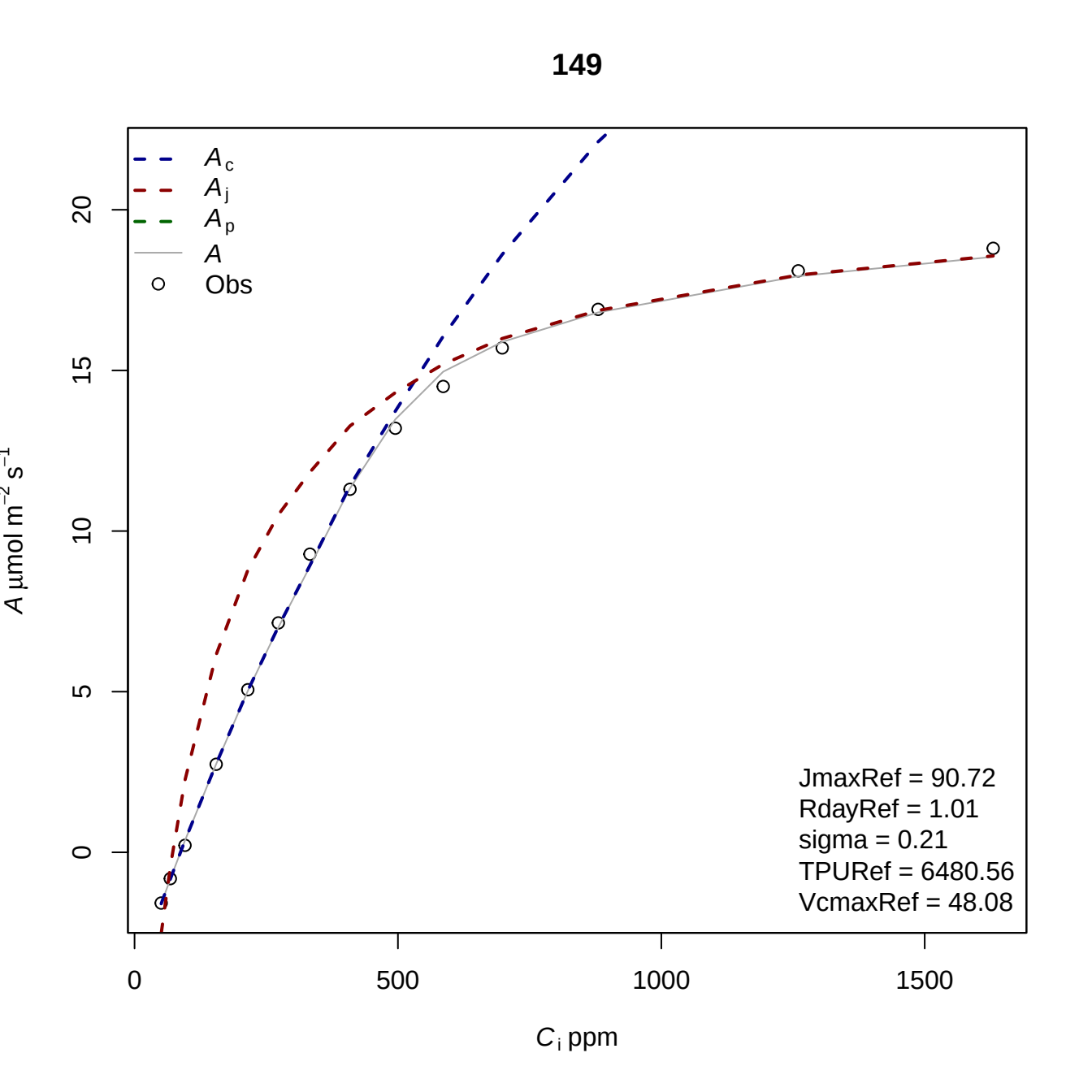

144
A_c
A_j
A_p
A
Obs
JmaxRef = 84.26
RdayRef = 0.26
sigma = 0.5
TPURef = 9.19
VcmaxRef = 37.72
0
5
10
15
20
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

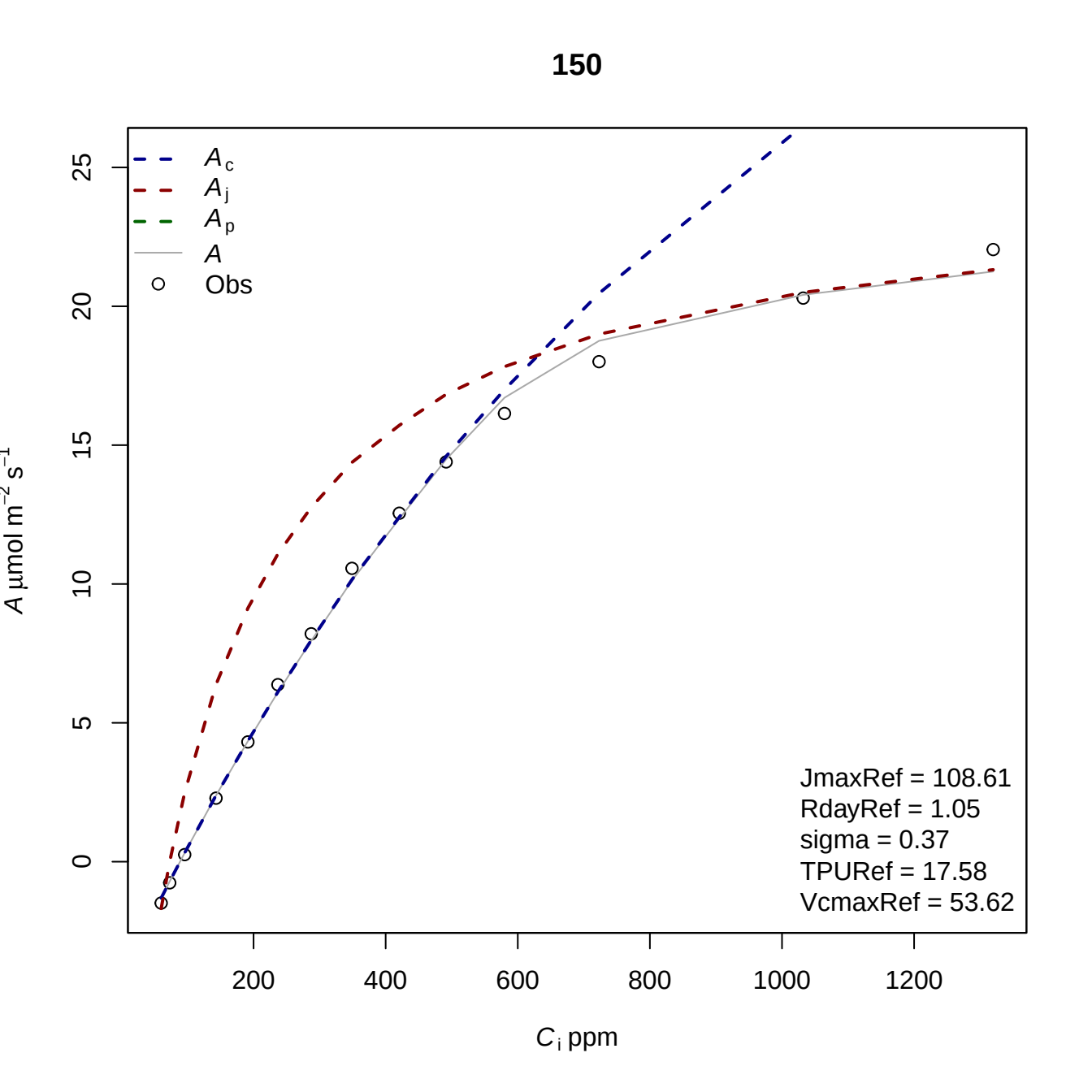

145
A_c
A_j
A_p
A
Obs
JmaxRef = 152.39
RdayRef = 0.54
sigma = 0.75
TPURef = 159890.69
VcmaxRef = 115.86
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
200
400
600
800
1000
1200
1400

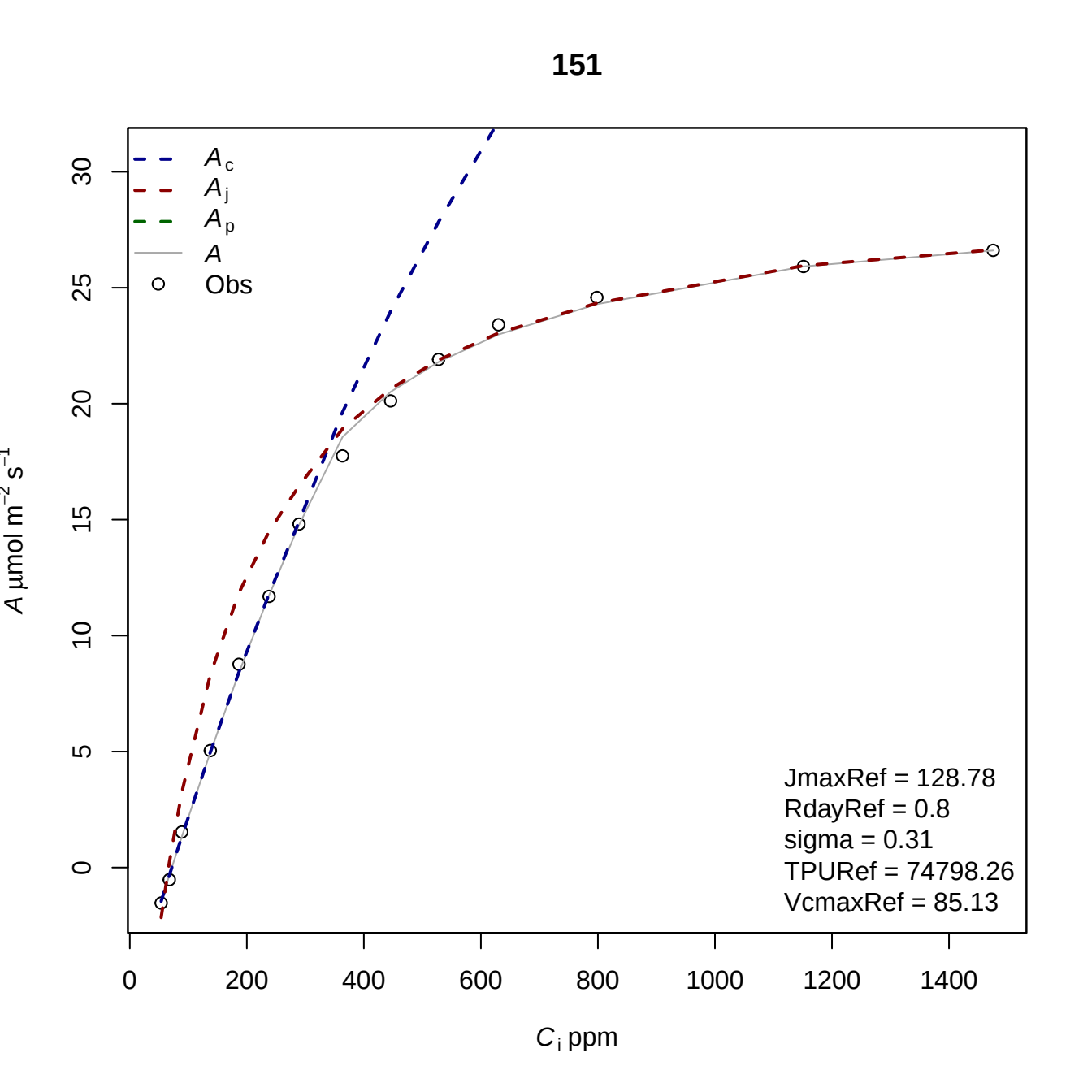

146
A_c
A_j
A_p
A
Obs
JmaxRef = 104.89
RdayRef = 0.12
sigma = 0.54
TPURef = 39.02
VcmaxRef = 48.69
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

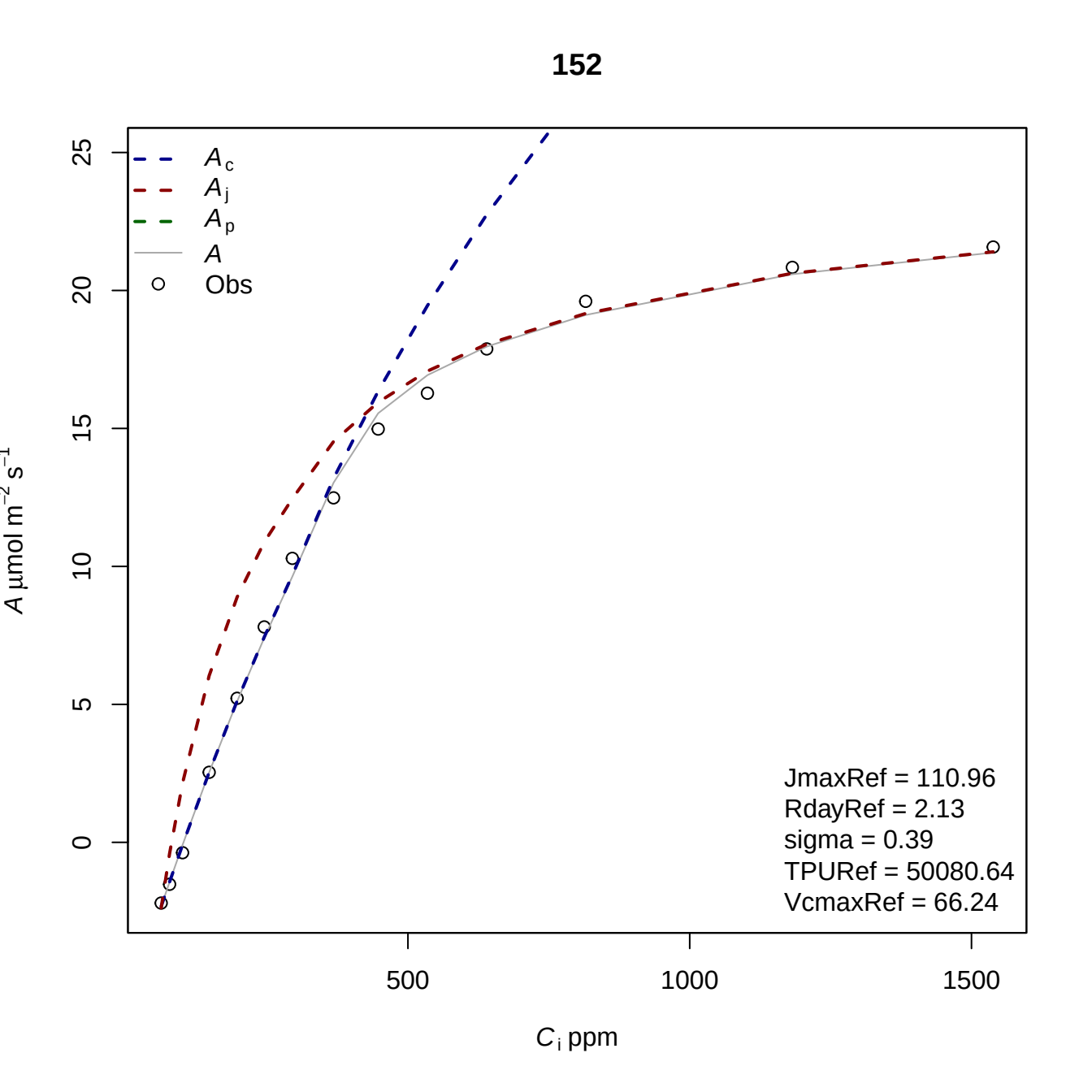

147
A_c
A_j
A_p
A
Obs
JmaxRef = 22.45
RdayRef = 1.14
sigma = 0.07
TPURef = 8.37
VcmaxRef = 7.26
A µmol m^{-2} s^{-1}
C_i ppm
−1
0
1
2
3
4
500
1000
1500

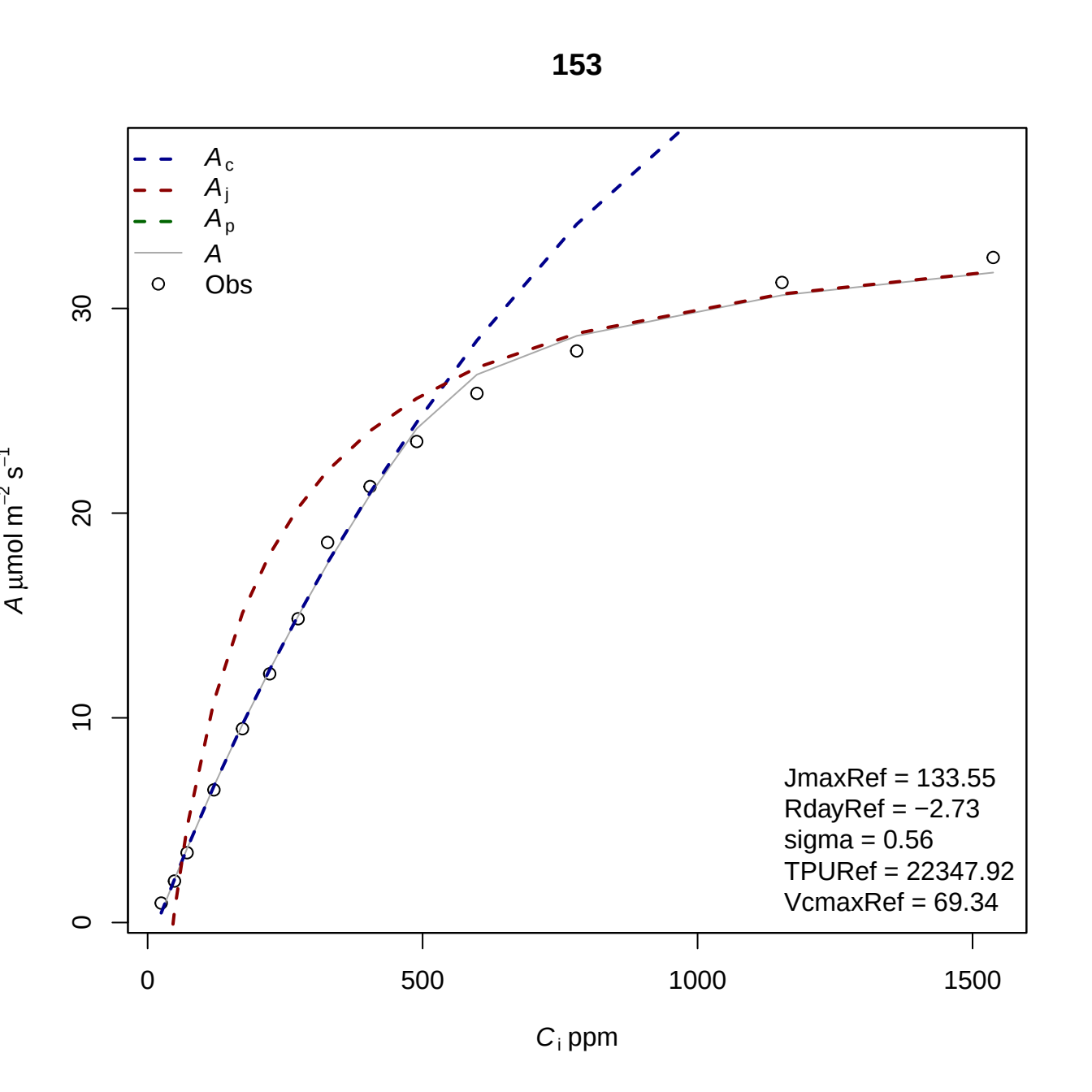

148
A_c
A_j
A_p
A
Obs
JmaxRef = 168.28
RdayRef = 0.59
sigma = 0.42
TPURef = 8.76
VcmaxRef = 112.65
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

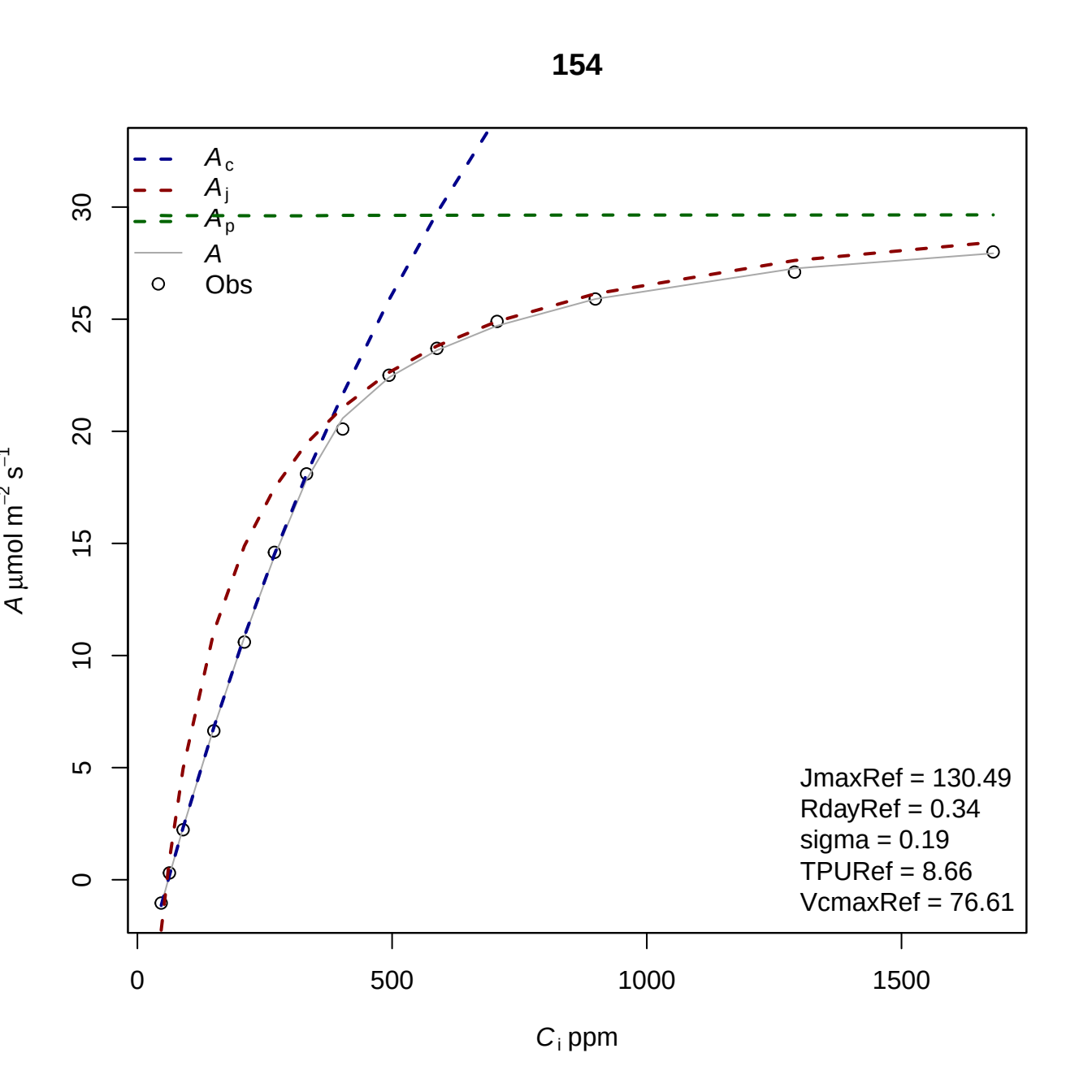

149
A_c
A_j
A_p
A
Obs
A µmol m^{-2} s^{-1}
0
5
10
15
20
0
500
1000
1500
C_i ppm
JmaxRef = 90.72
RdayRef = 1.01
sigma = 0.21
TPURef = 6480.56
VcmaxRef = 48.08

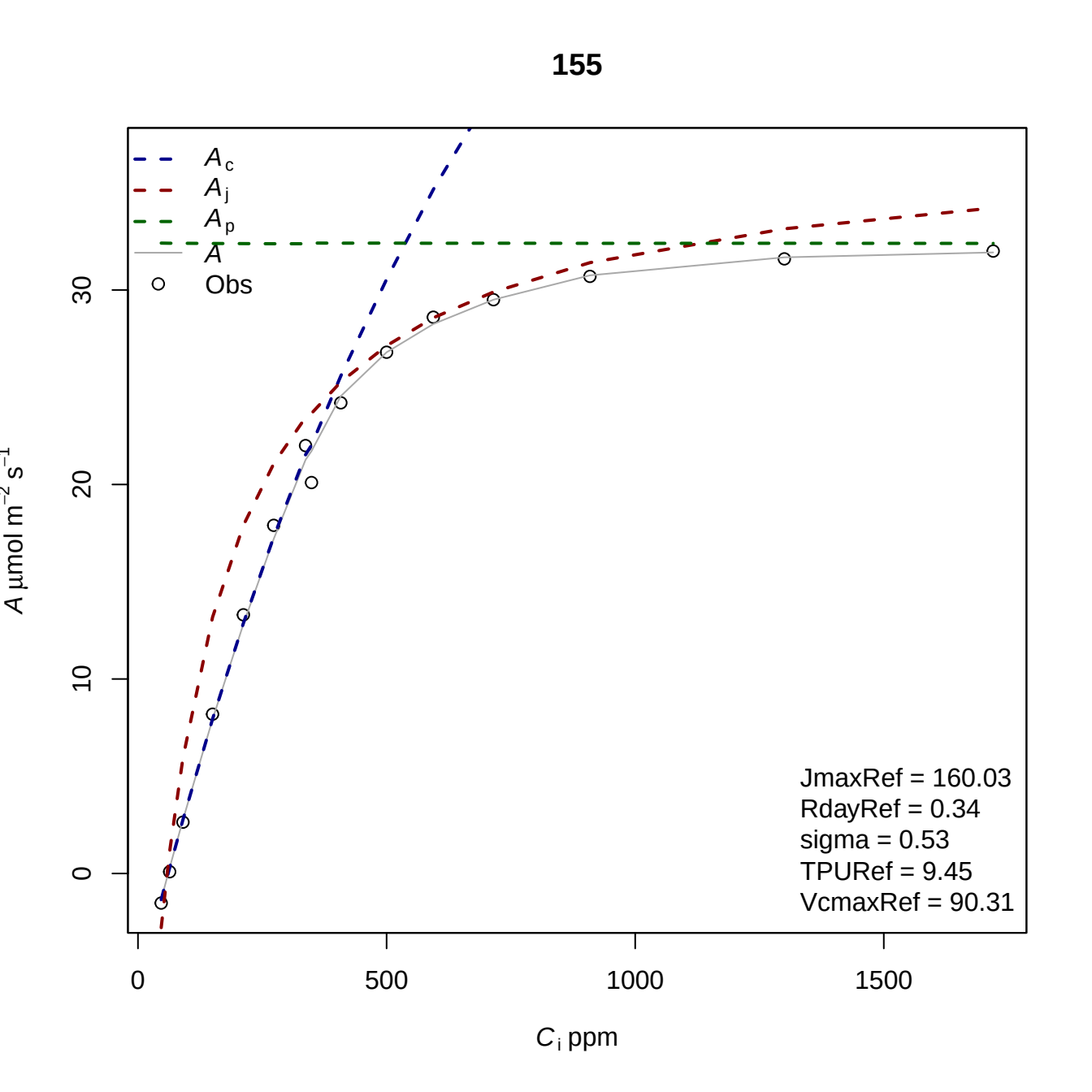

150
A_c
A_j
A_p
A
Obs
JmaxRef = 108.61
RdayRef = 1.05
sigma = 0.37
TPURef = 17.58
VcmaxRef = 53.62
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200

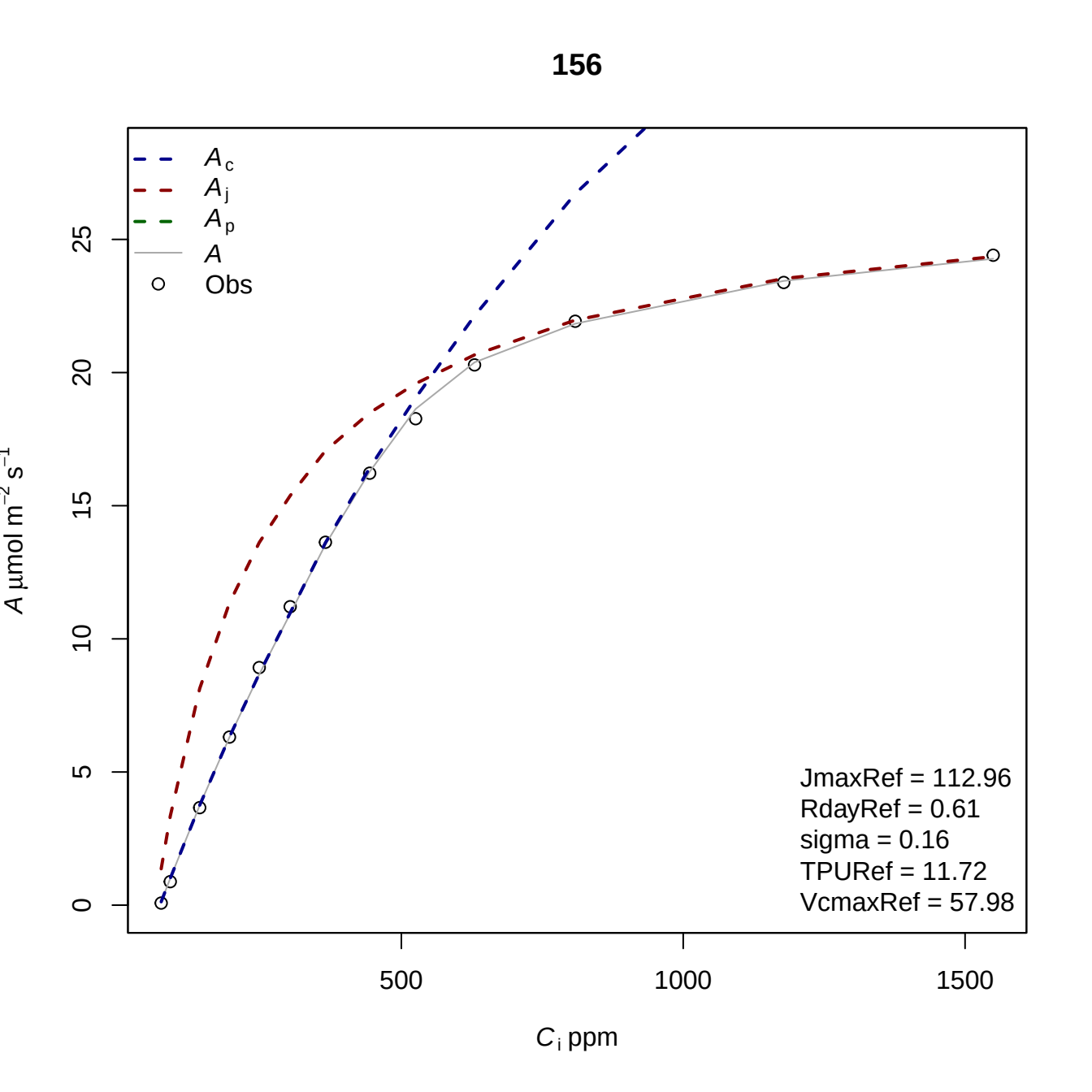

151
A_c
A_j
A_p
A
Obs
JmaxRef = 128.78
RdayRef = 0.8
sigma = 0.31
TPURef = 74798.26
VcmaxRef = 85.13
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

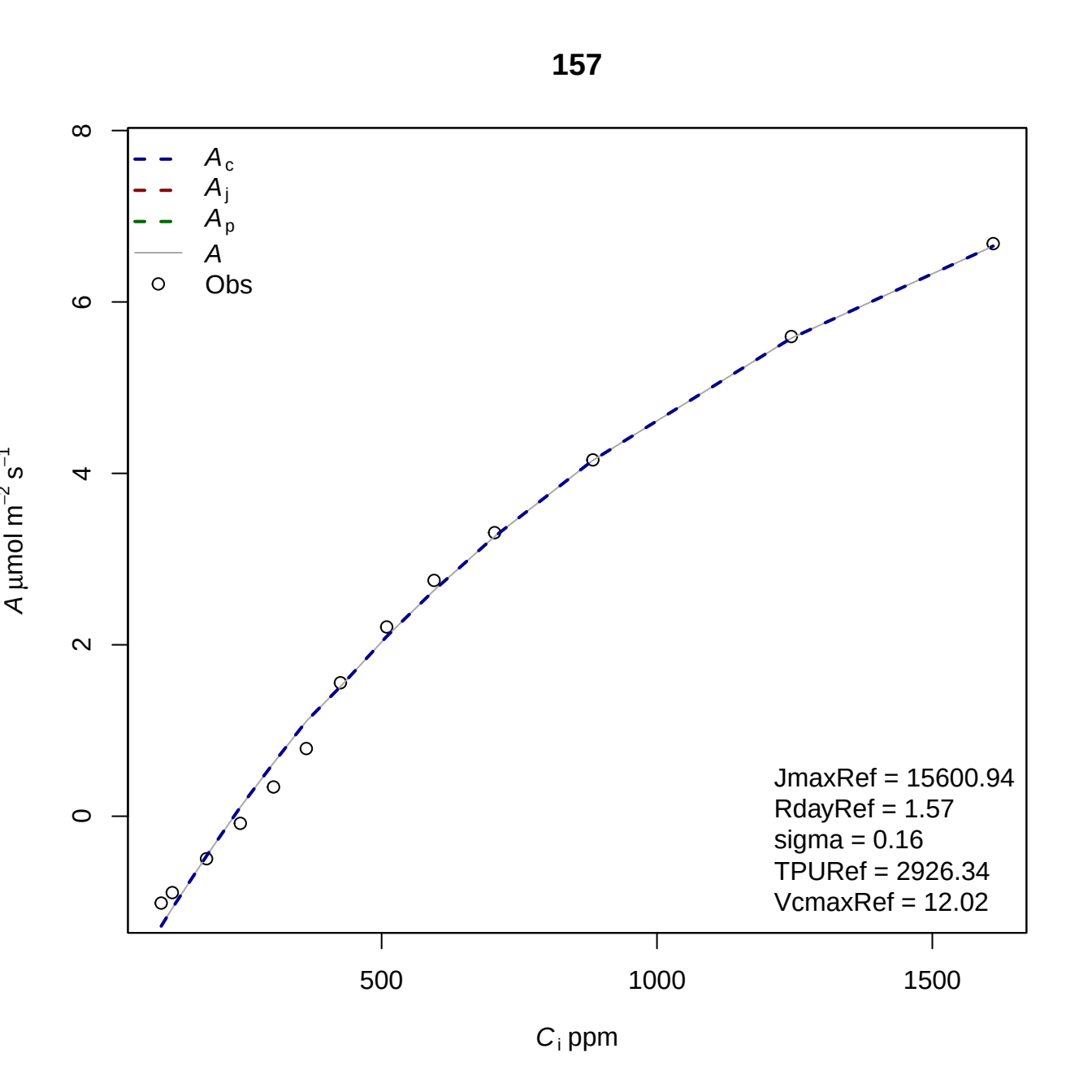

152
A_c
A_j
A_p
A
Obs
JmaxRef = 110.96
RdayRef = 2.13
sigma = 0.39
TPURef = 50080.64
VcmaxRef = 66.24
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
500
1000
1500

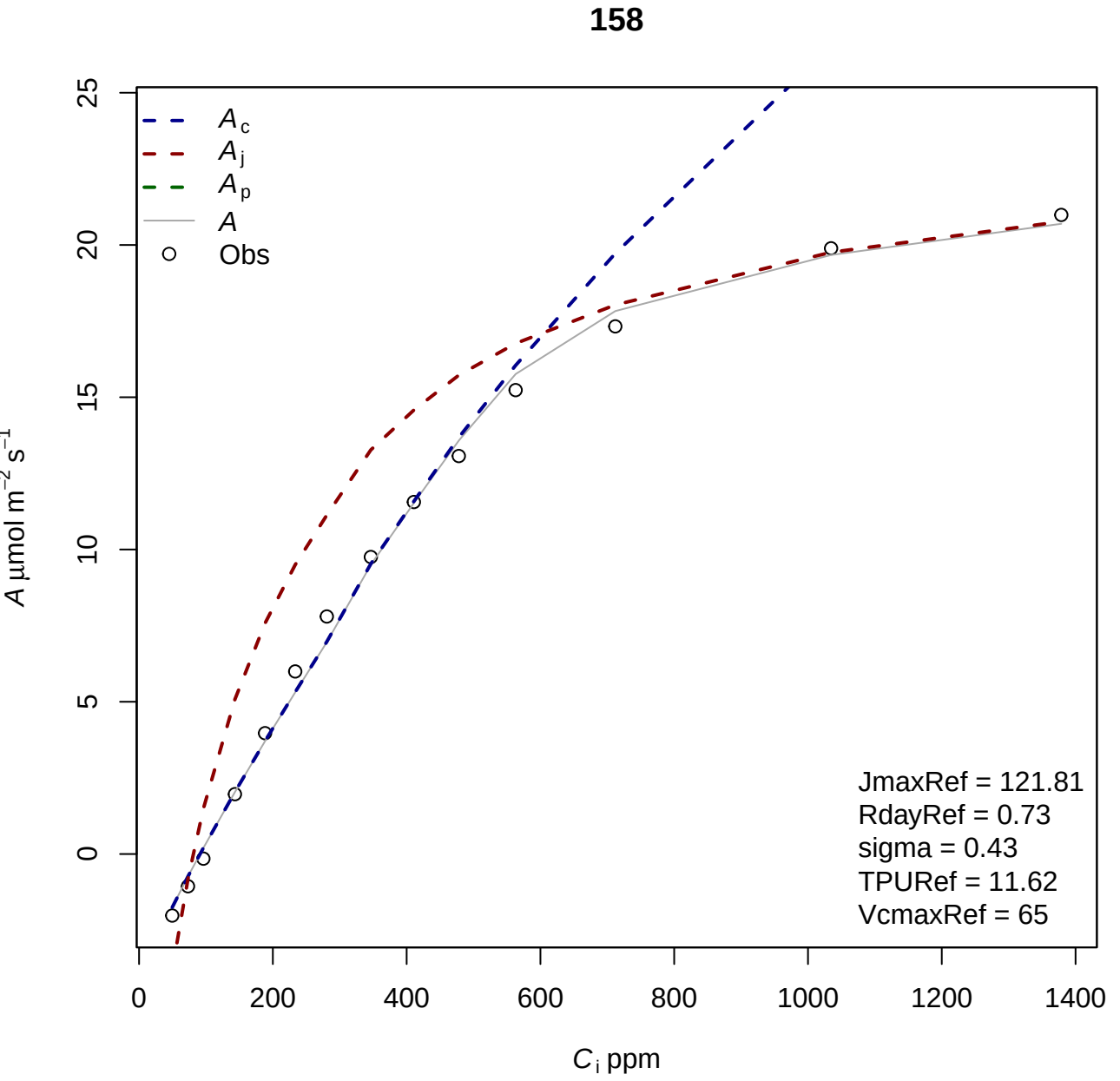

153
A_c
A_j
A_p
A
Obs
JmaxRef = 133.55
RdayRef = −2.73
sigma = 0.56
TPURef = 22347.92
VcmaxRef = 69.34
A µmol m^{-2} s^{-1}
0
10
20
30
0
500
1000
1500
C_i ppm

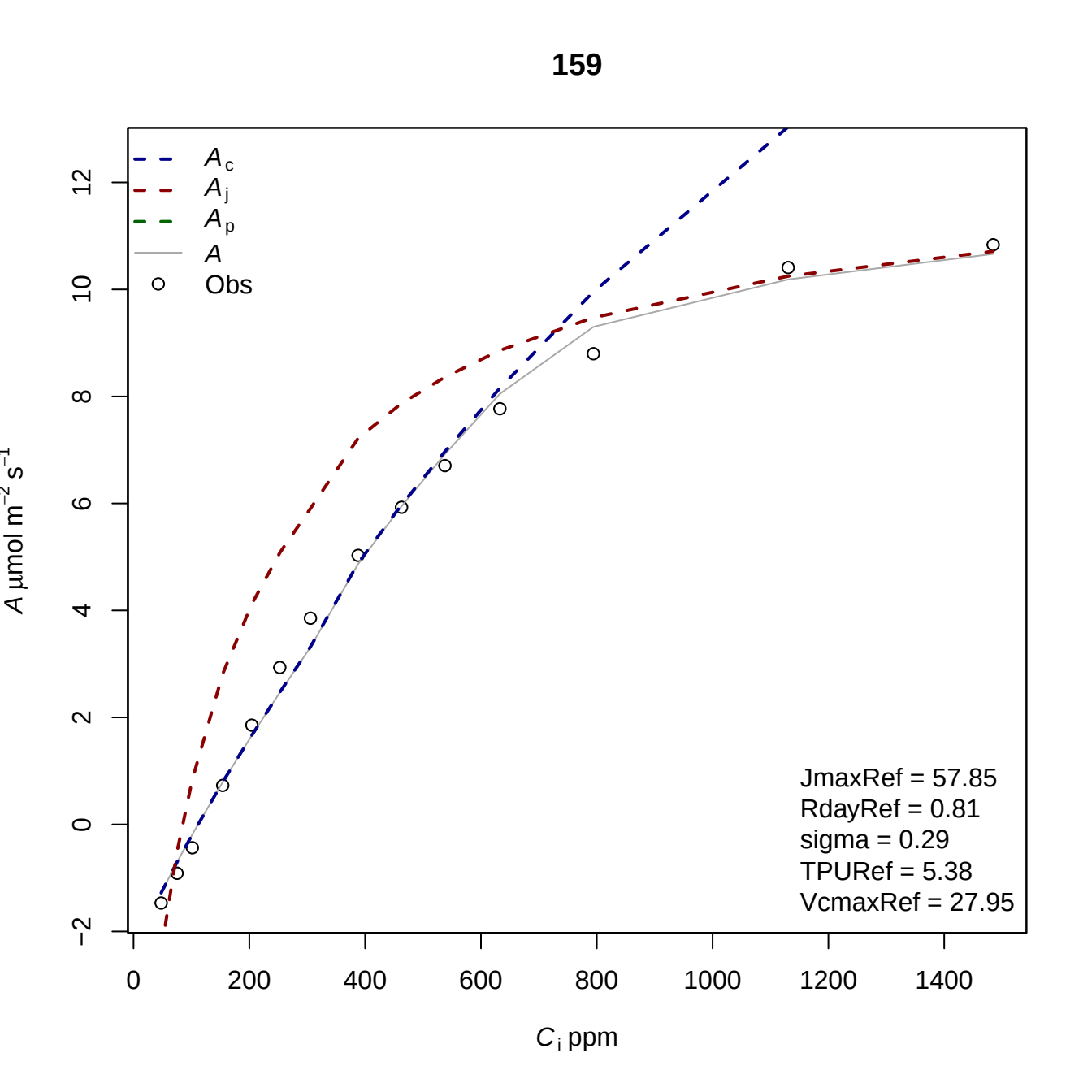

154
A_c
A_j
A_p
A
Obs
JmaxRef = 130.49
RdayRef = 0.34
sigma = 0.19
TPURef = 8.66
VcmaxRef = 76.61
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

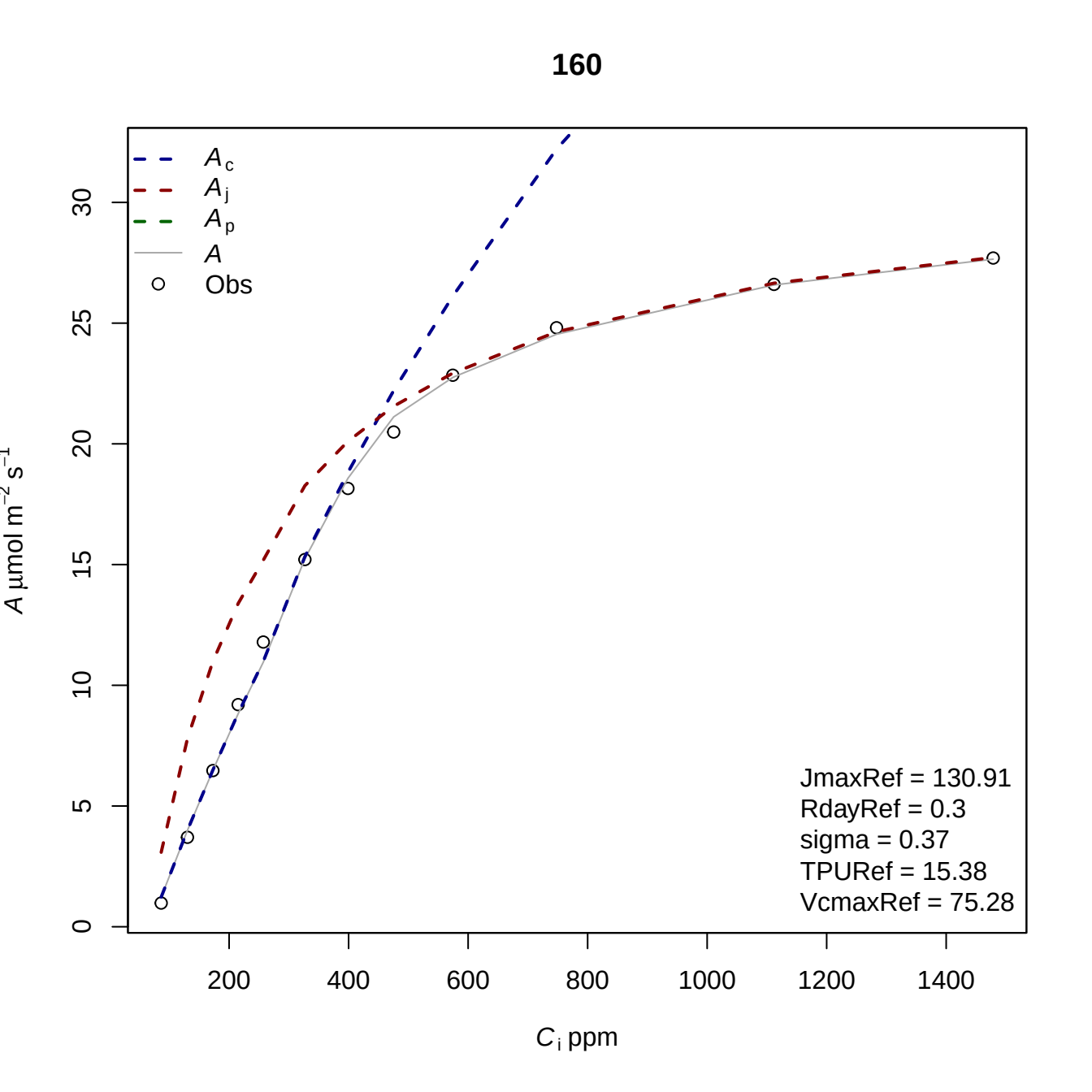

155
A_c
A_j
A_p
A
Obs
JmaxRef = 160.03
RdayRef = 0.34
sigma = 0.53
TPURef = 9.45
VcmaxRef = 90.31
A µmol m^{-2} s^{-1}
0
10
20
30
0
500
1000
1500
C_i ppm

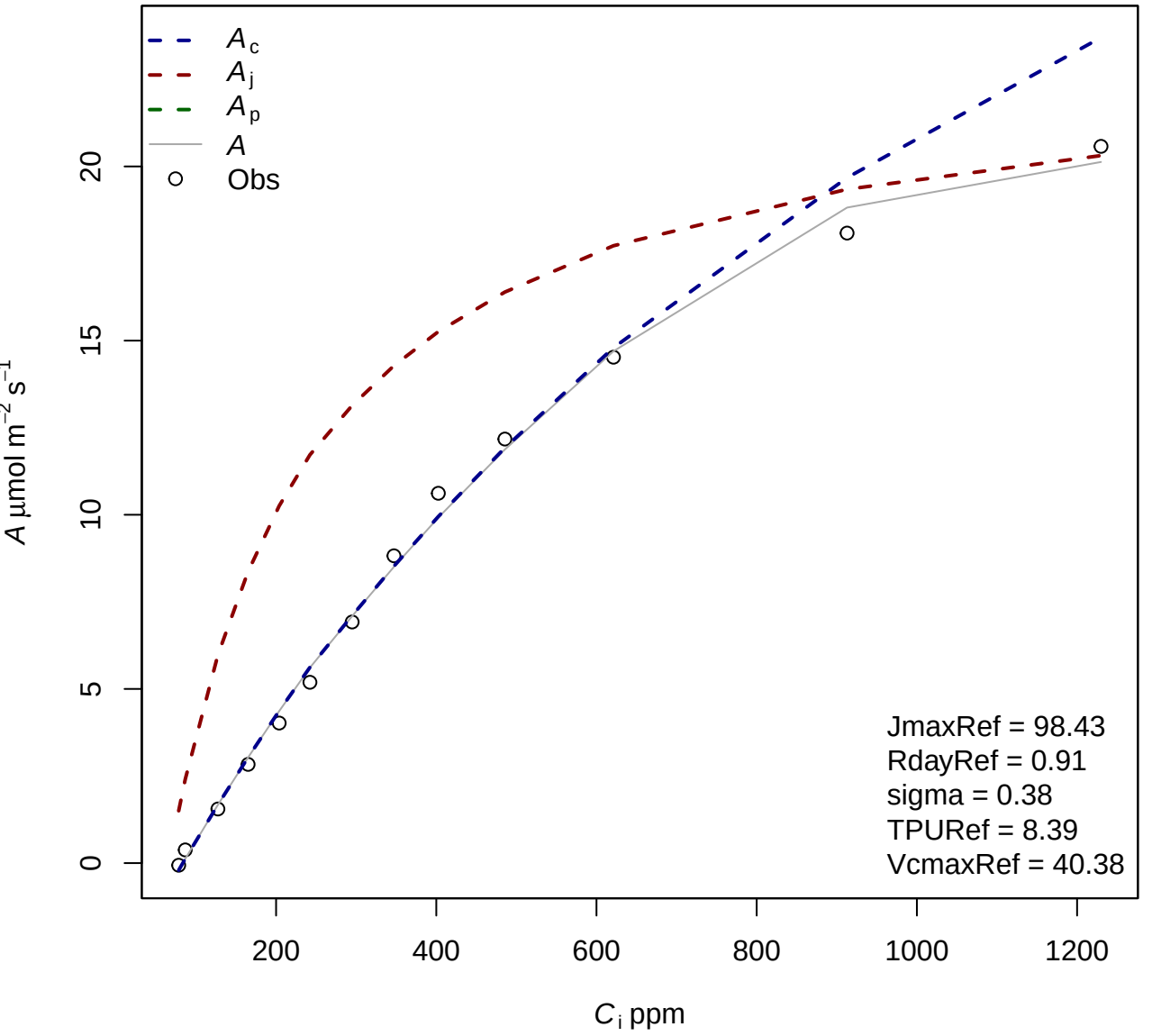

156
A_c
A_j
A_p
A
Obs
JmaxRef = 112.96
RdayRef = 0.61
sigma = 0.16
TPURef = 11.72
VcmaxRef = 57.98
0
5
10
15
20
25
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

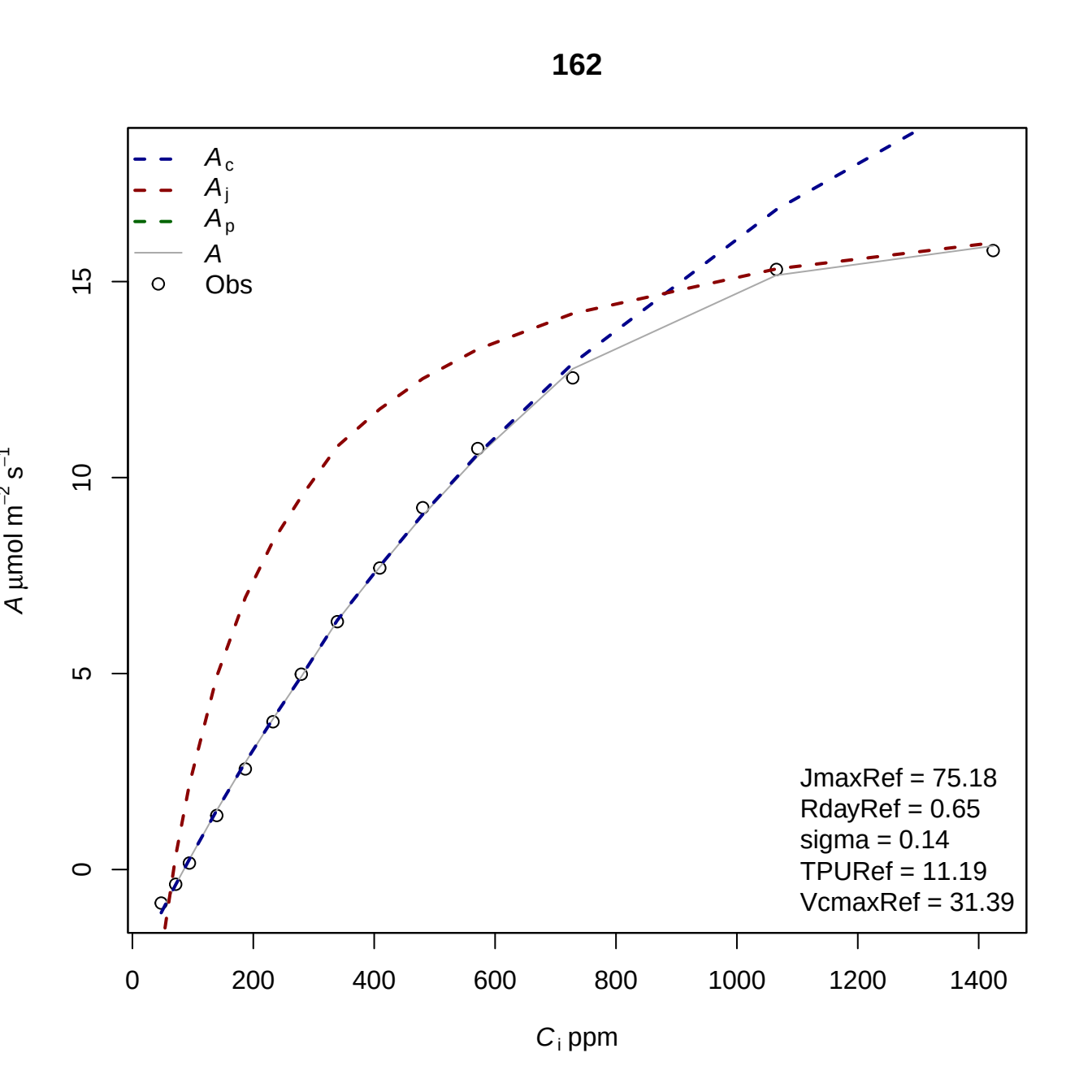

157
A_c
A_j
A_p
A
Obs
JmaxRef = 15600.94
RdayRef = 1.57
sigma = 0.16
TPURef = 2926.34
VcmaxRef = 12.02
0
2
4
6
8
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm


158
A_c
A_j
A_p
A
Obs
JmaxRef = 121.81
RdayRef = 0.73
sigma = 0.43
TPURef = 11.62
VcmaxRef = 65
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

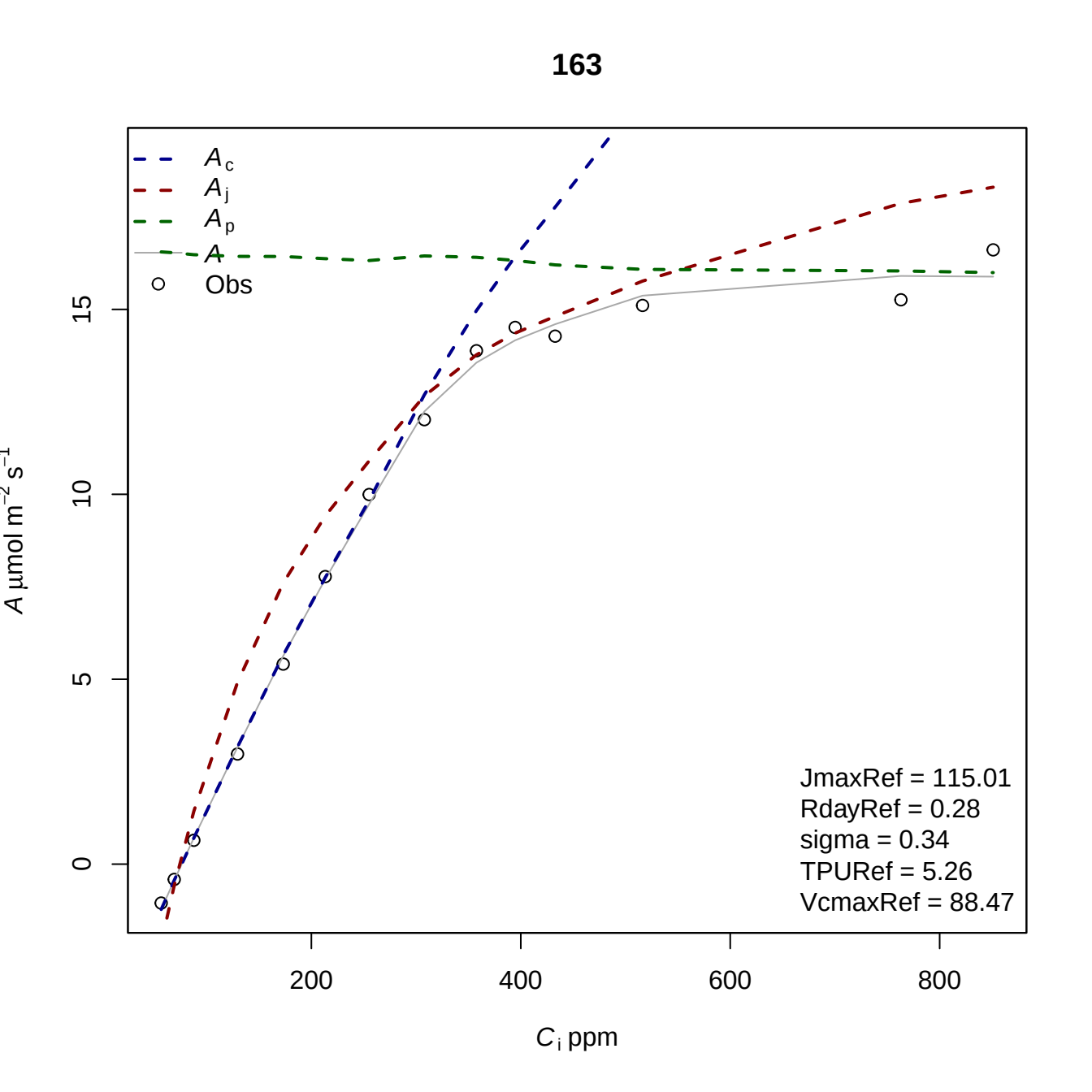

159
A_c
A_j
A_p
A
Obs
JmaxRef = 57.85
RdayRef = 0.81
sigma = 0.29
TPURef = 5.38
VcmaxRef = 27.95
A µmol m^{-2} s^{-1}
C_i ppm
−2
0
2
4
6
8
10
12
0
200
400
600
800
1000
1200
1400

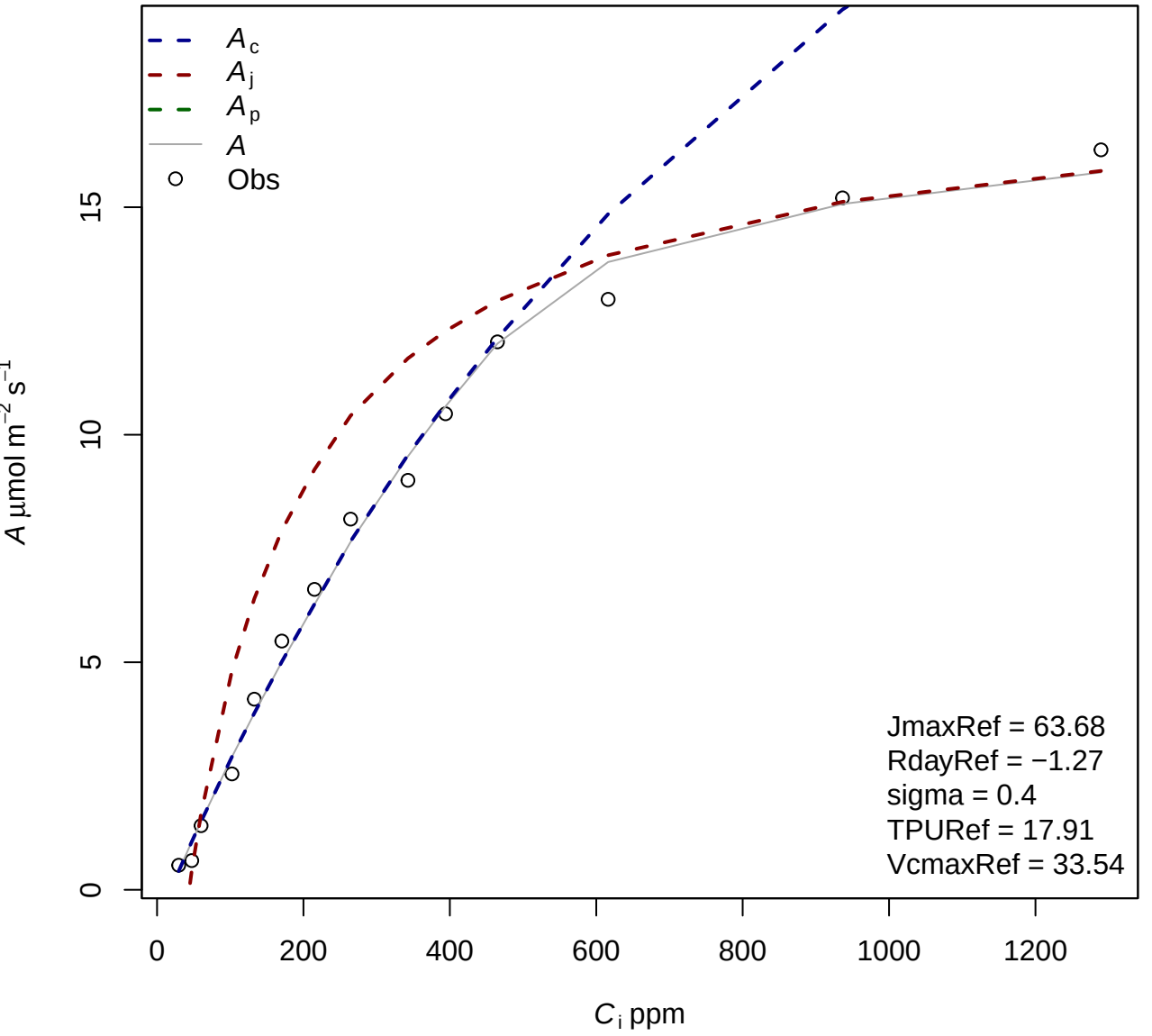

160
A_c
A_j
A_p
A
Obs
JmaxRef = 130.91
RdayRef = 0.3
sigma = 0.37
TPURef = 15.38
VcmaxRef = 75.28
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200
1400

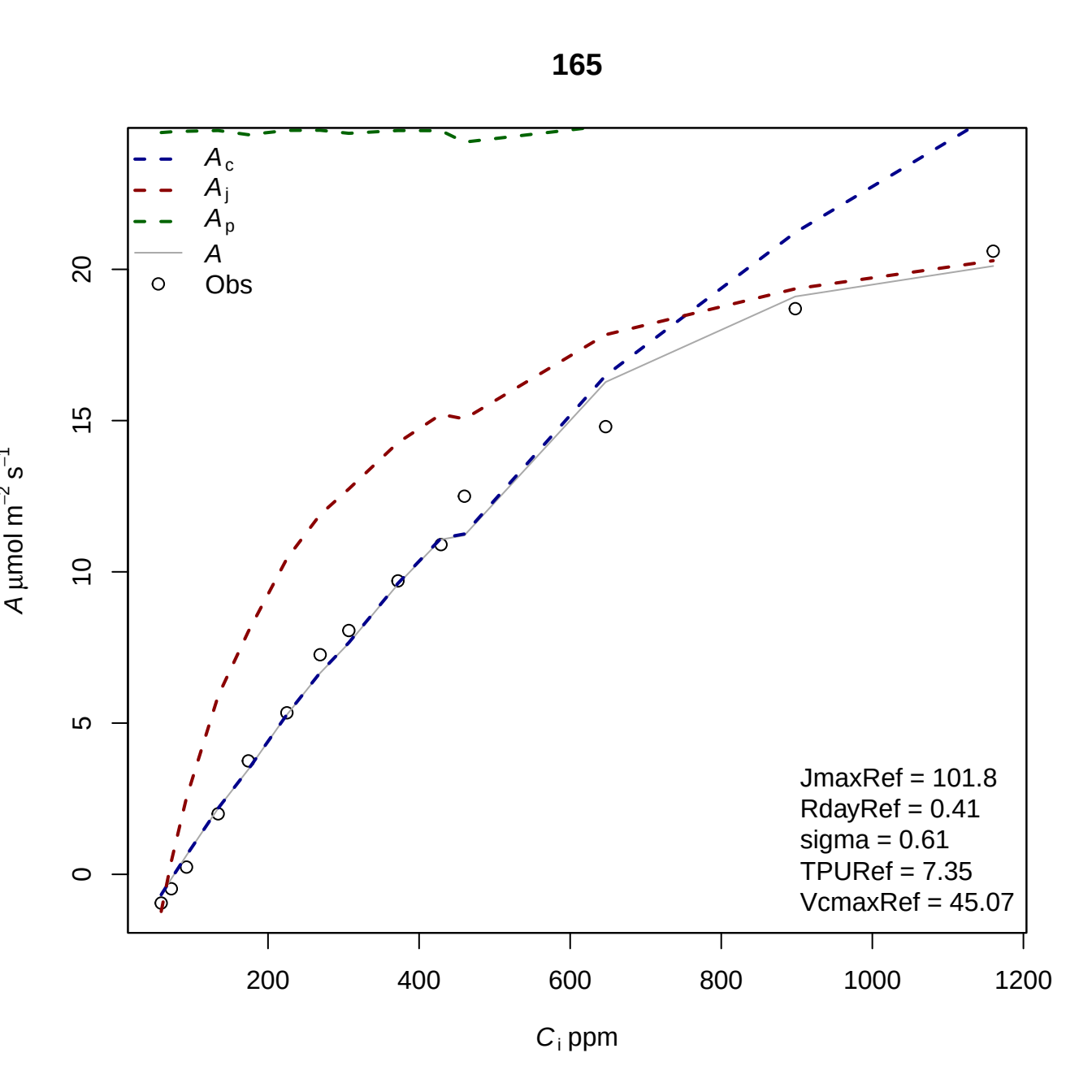

A_c
A_j
A_p
A
Obs
JmaxRef = 98.43
RdayRef = 0.91
sigma = 0.38
TPURef = 8.39
VcmaxRef = 40.38
0
5
10
15
20
200
400
600
800
1000
1200
A µmol m^{-2} s^{-1}
C_i ppm

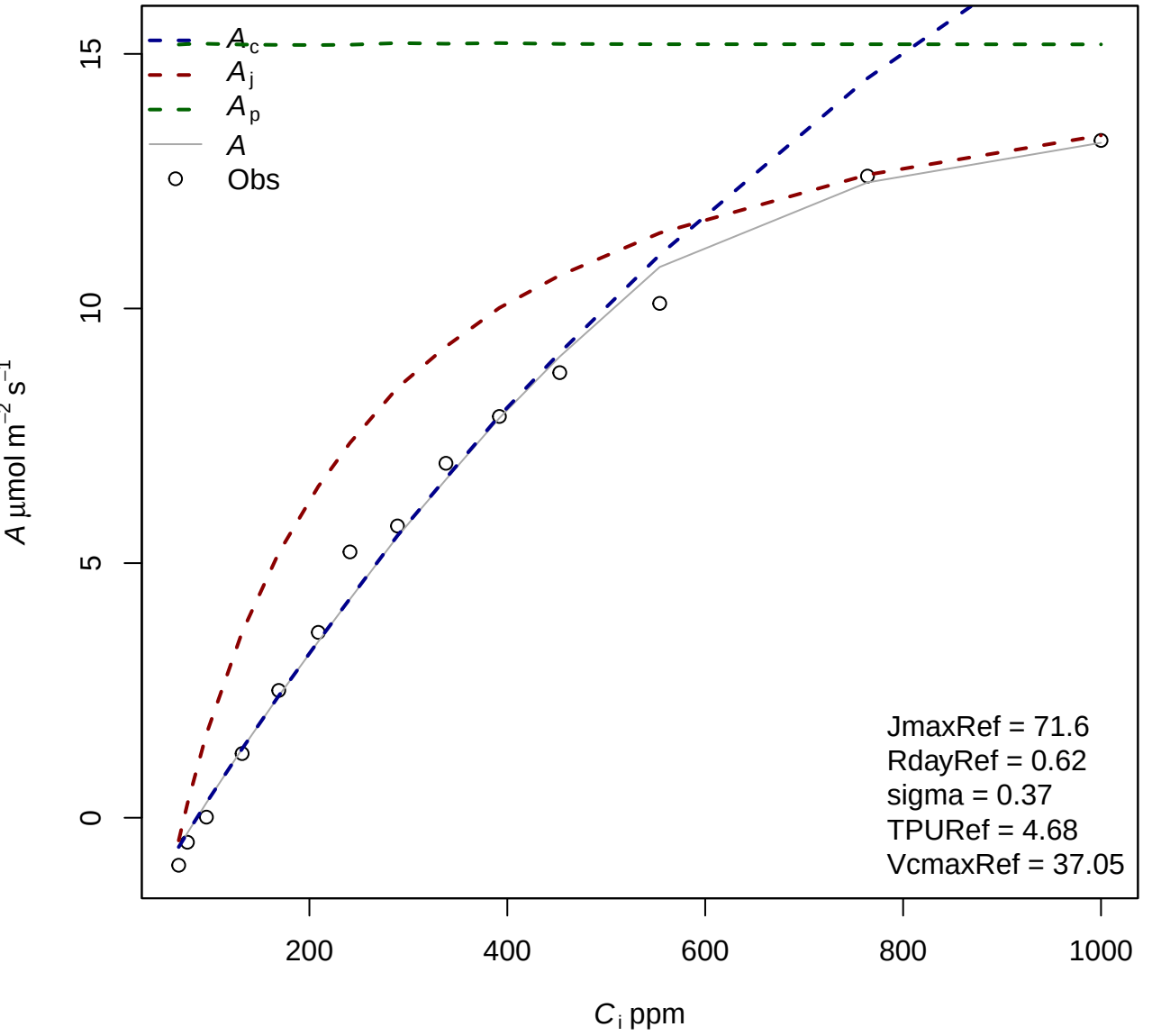


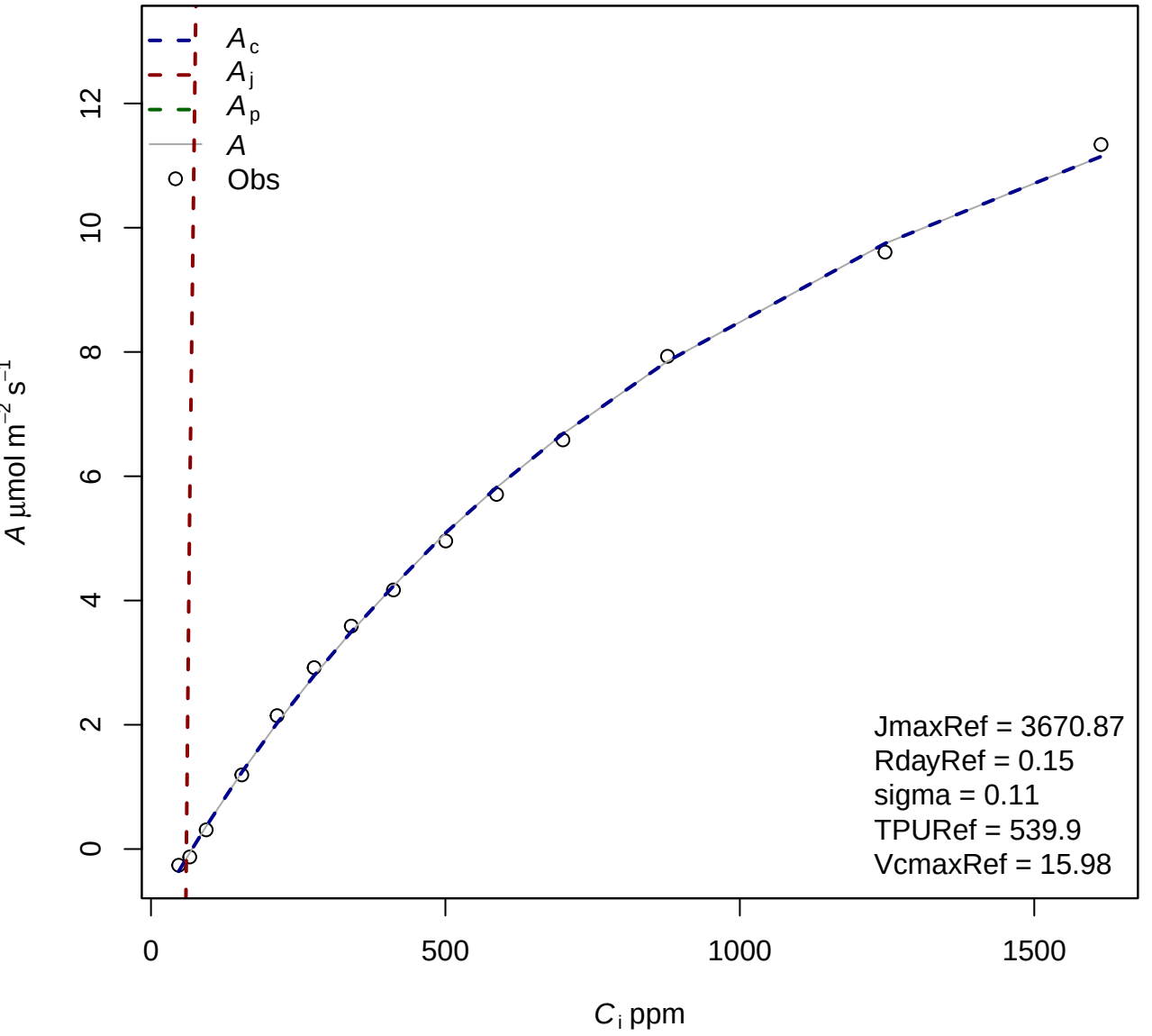
162
A_c
A_j
A_p
A
Obs
JmaxRef = 75.18
RdayRef = 0.65
sigma = 0.14
TPURef = 11.19
VcmaxRef = 31.39
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
200
400
600
800
1000
1200
1400

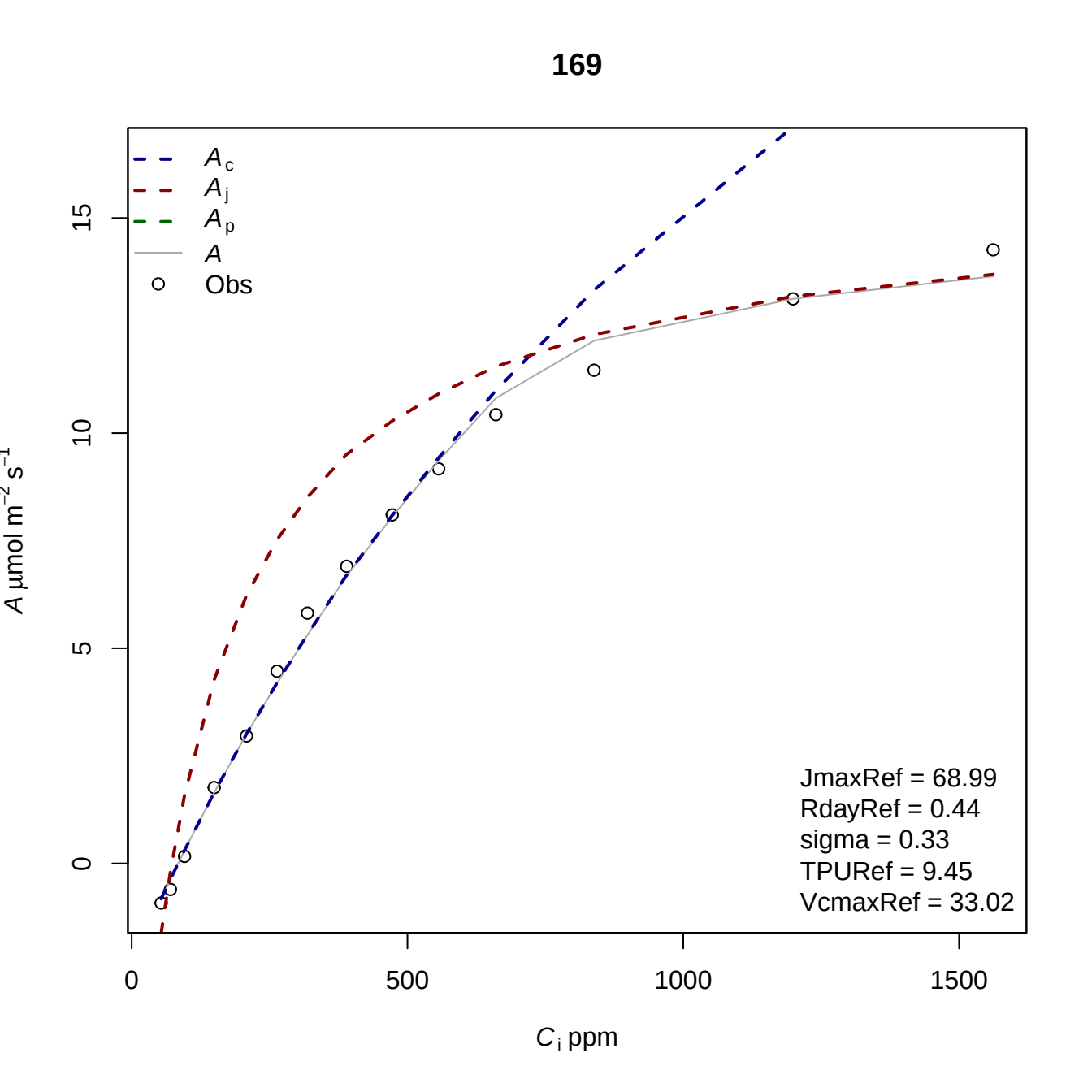

163
A_c
A_j
A_p
A
Obs
JmaxRef = 115.01
RdayRef = 0.28
sigma = 0.34
TPURef = 5.26
VcmaxRef = 88.47
0
5
10
15
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm


A_c
A_j
A_p
A
Obs
JmaxRef = 63.68
RdayRef = −1.27
sigma = 0.4
TPURef = 17.91
VcmaxRef = 33.54
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
200
400
600
800
1000
1200

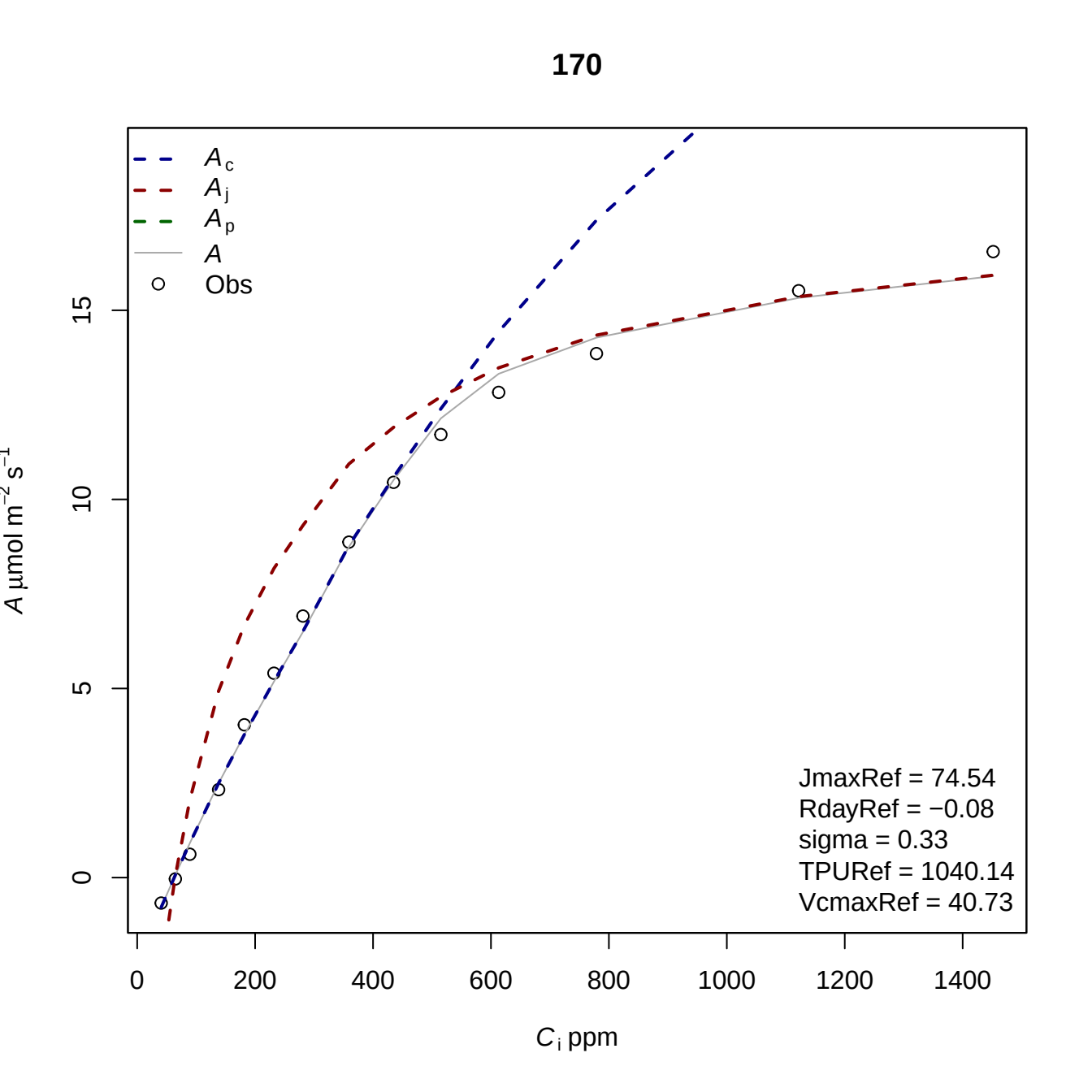

165
A_c
A_j
A_p
A
Obs
JmaxRef = 101.8
RdayRef = 0.41
sigma = 0.61
TPURef = 7.35
VcmaxRef = 45.07
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

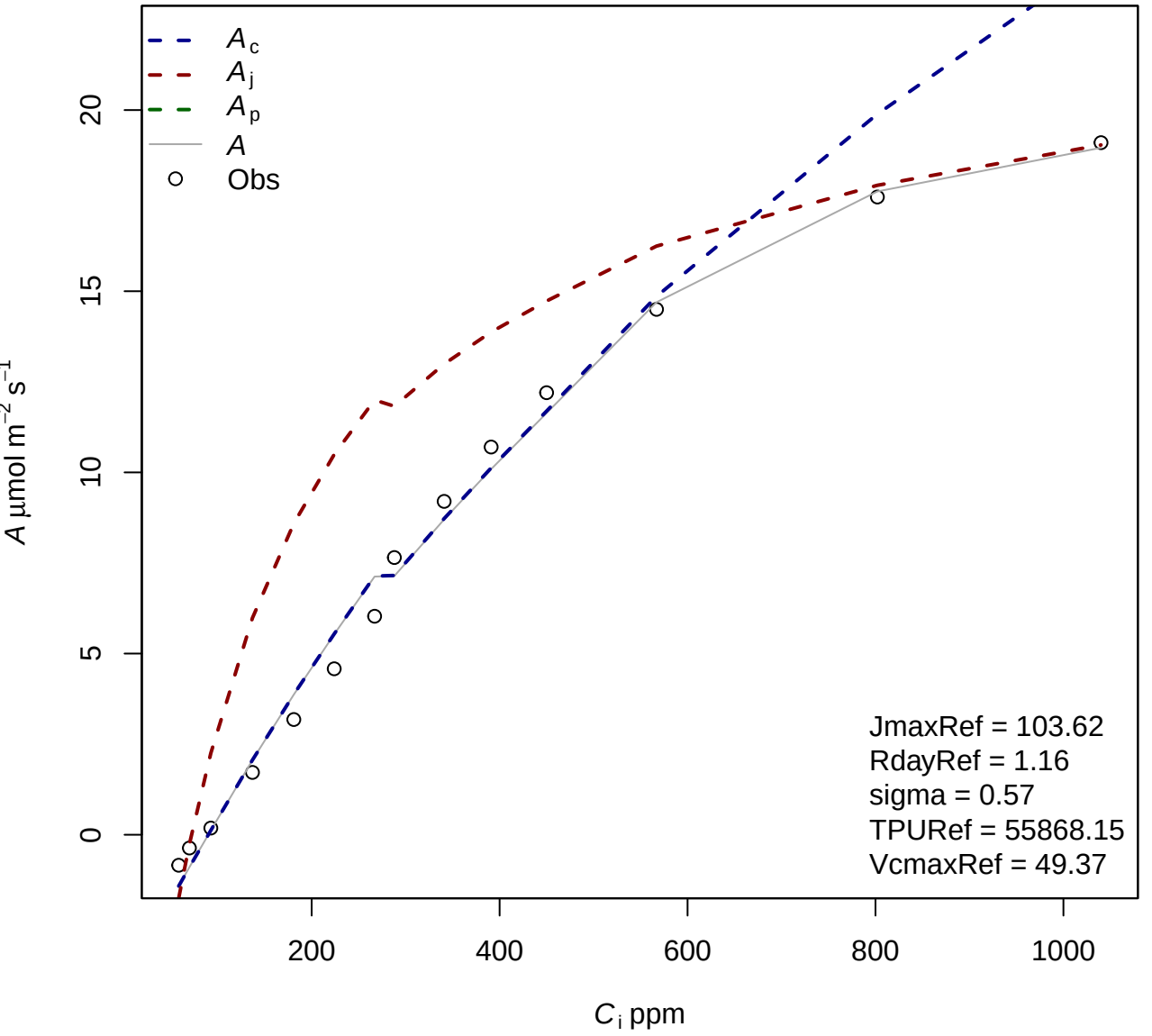

A_c
A_j
A_p
A
Obs
JmaxRef = 71.6
RdayRef = 0.62
sigma = 0.37
TPURef = 4.68
VcmaxRef = 37.05
0
5
10
15
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

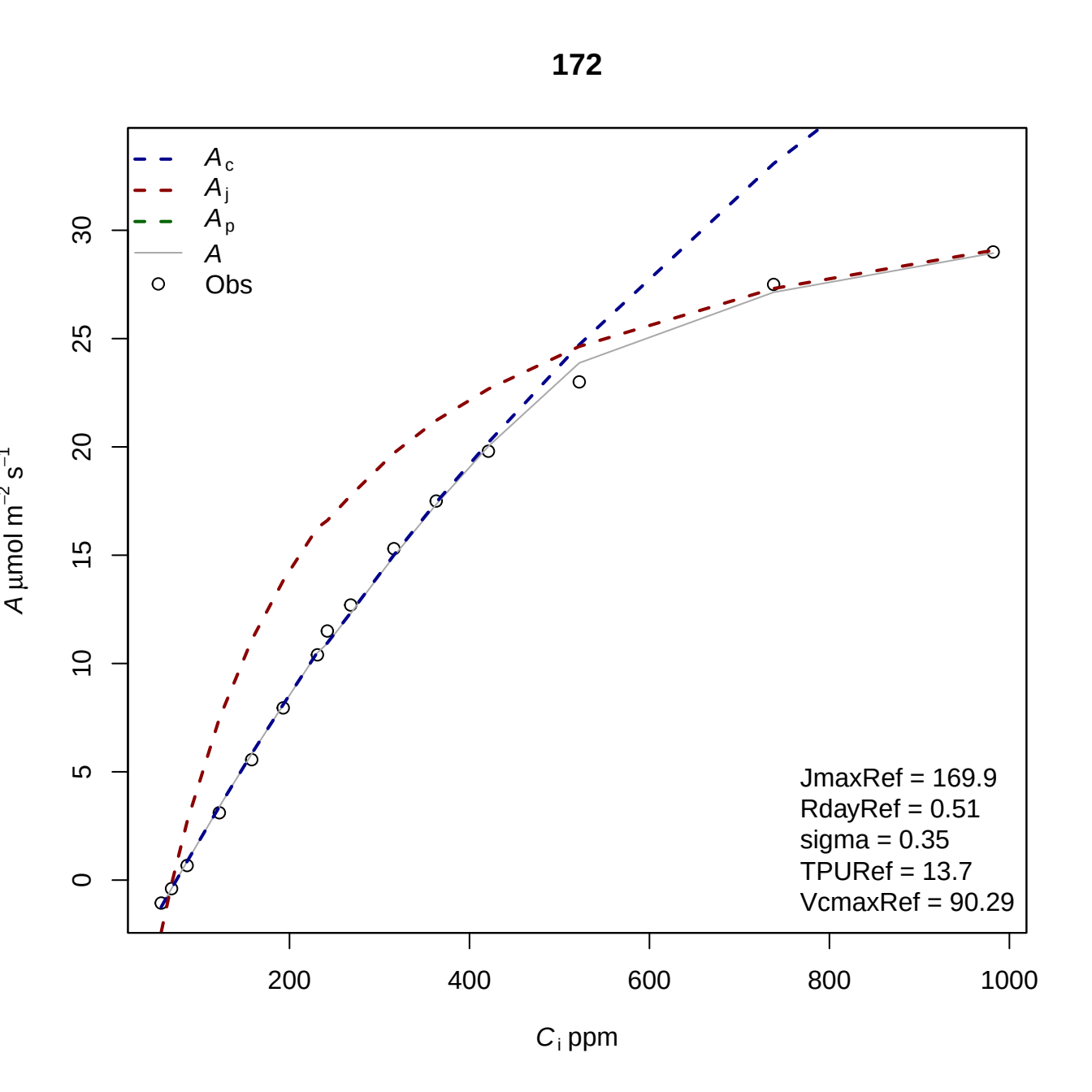

A_c
A_j
A_p
A
Obs
JmaxRef = 3670.87
RdayRef = 0.15
sigma = 0.11
TPURef = 539.9
VcmaxRef = 15.98
A µmol m^{-2} s^{-1}
0
2
4
6
8
10
12
0
500
1000
1500
C_i ppm

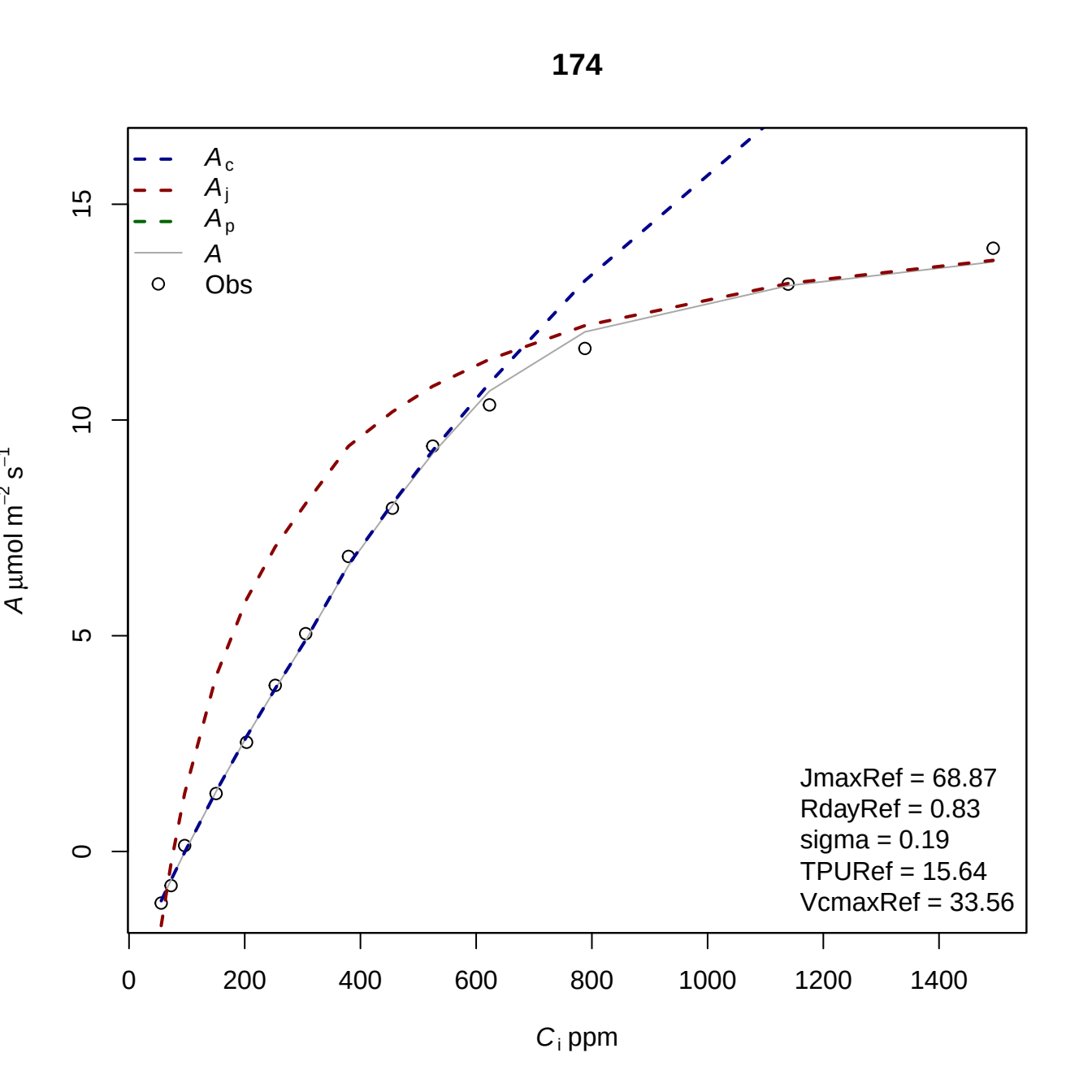


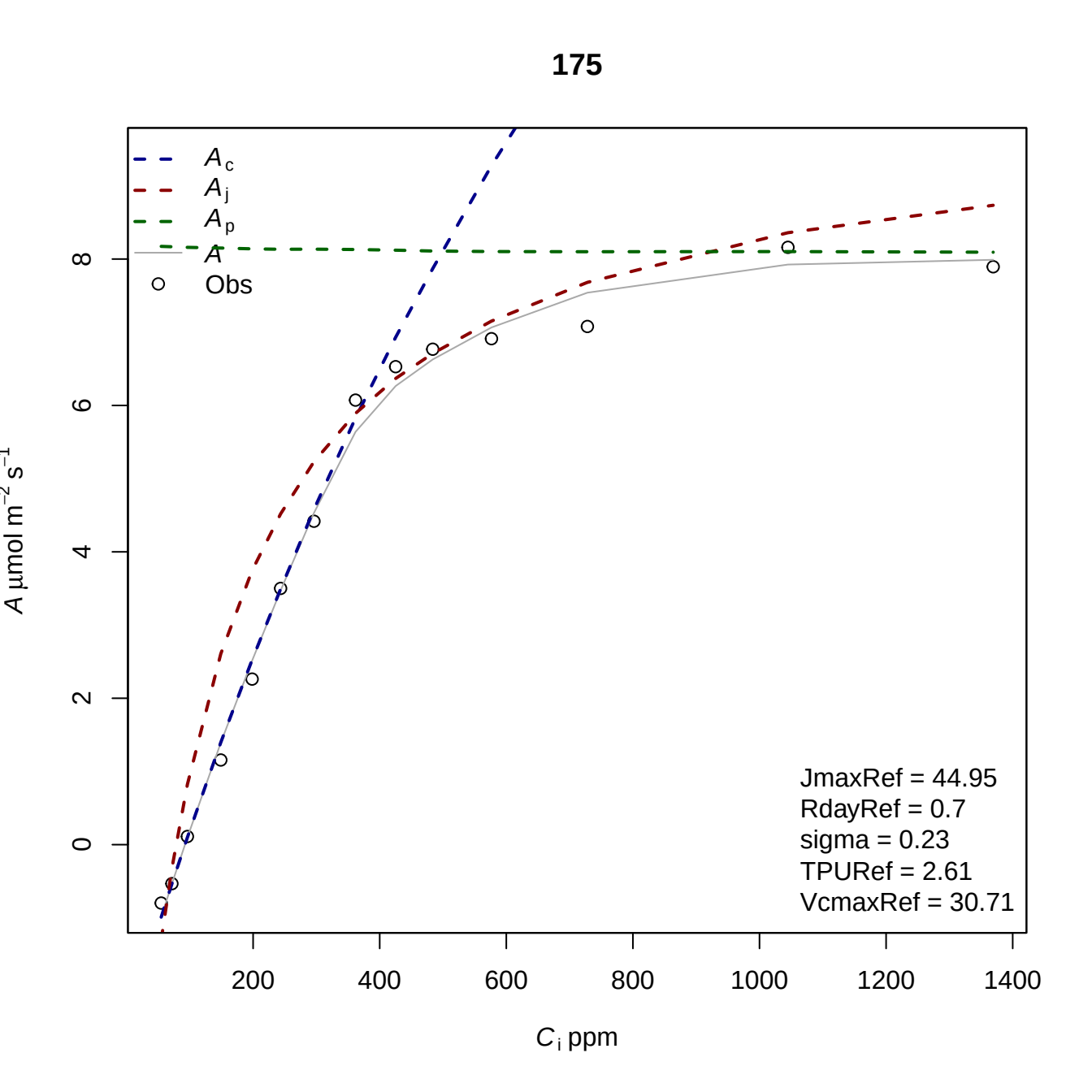
169
A_c
A_j
A_p
A
Obs
JmaxRef = 68.99
RdayRef = 0.44
sigma = 0.33
TPURef = 9.45
VcmaxRef = 33.02
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
500
1000
1500

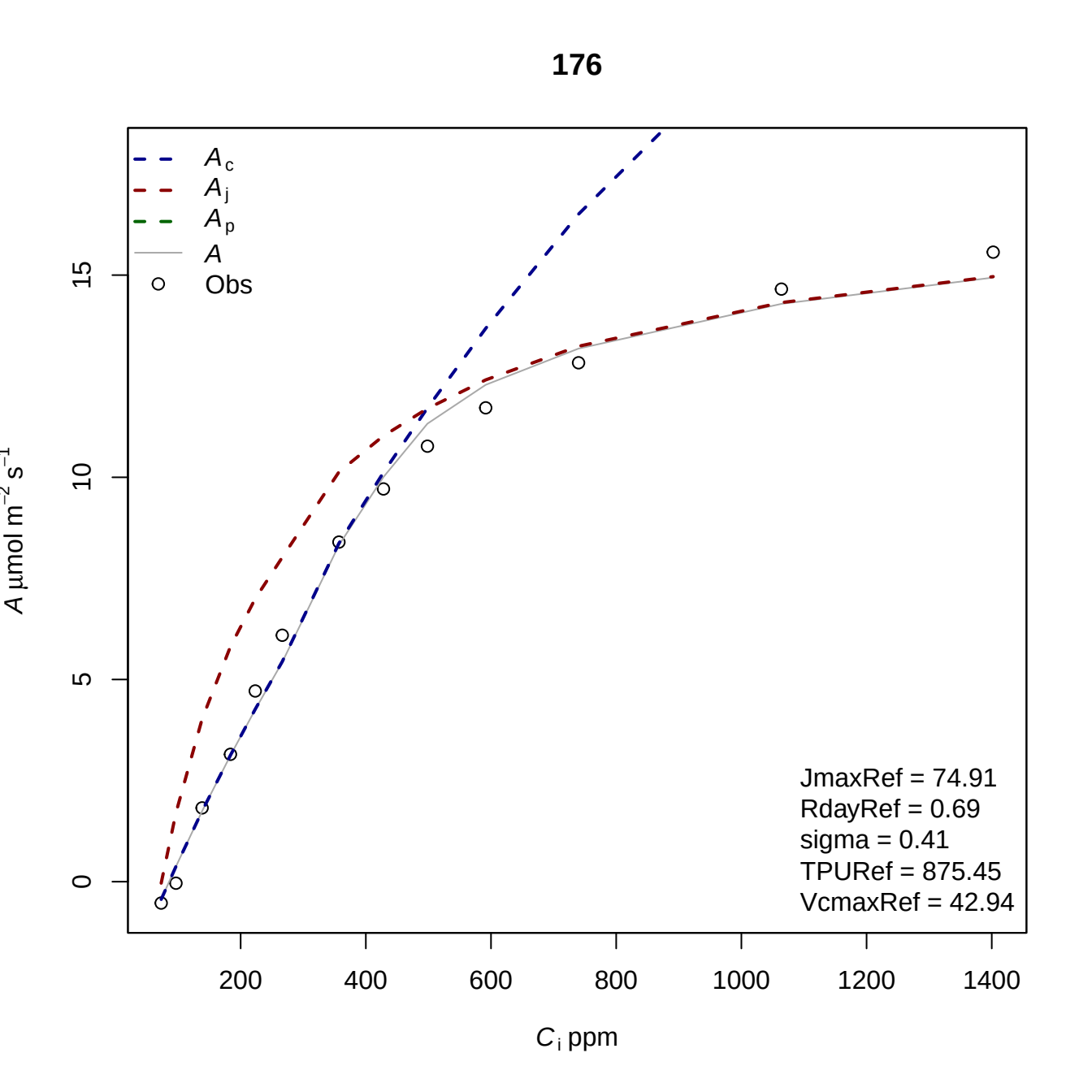

170
A_c
A_j
A_p
A
Obs
JmaxRef = 74.54
RdayRef = −0.08
sigma = 0.33
TPURef = 1040.14
VcmaxRef = 40.73
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
200
400
600
800
1000
1200
1400

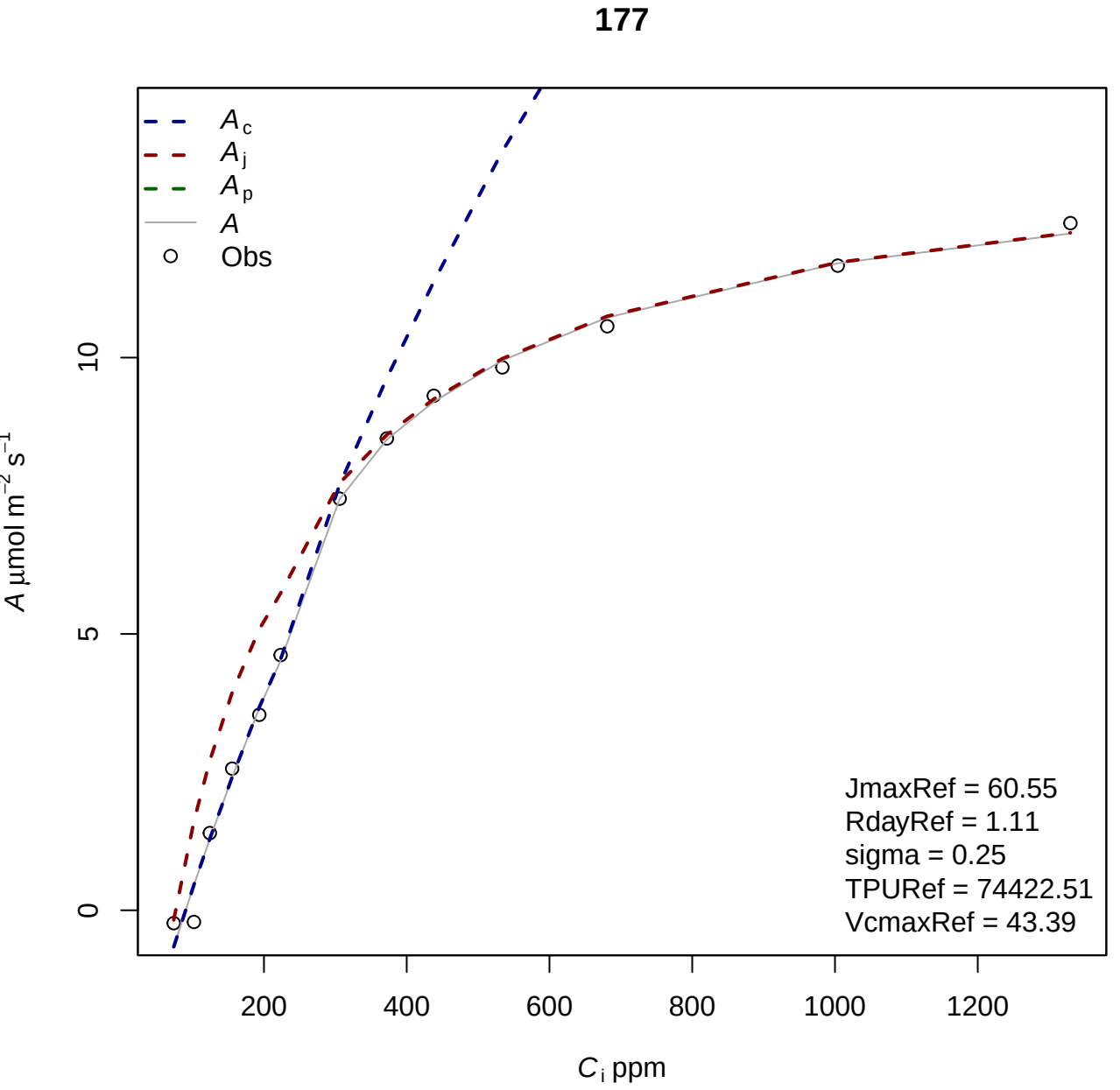

A_c
A_j
A_p
A
Obs
JmaxRef = 103.62
RdayRef = 1.16
sigma = 0.57
TPURef = 55868.15
VcmaxRef = 49.37
0
5
10
15
20
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

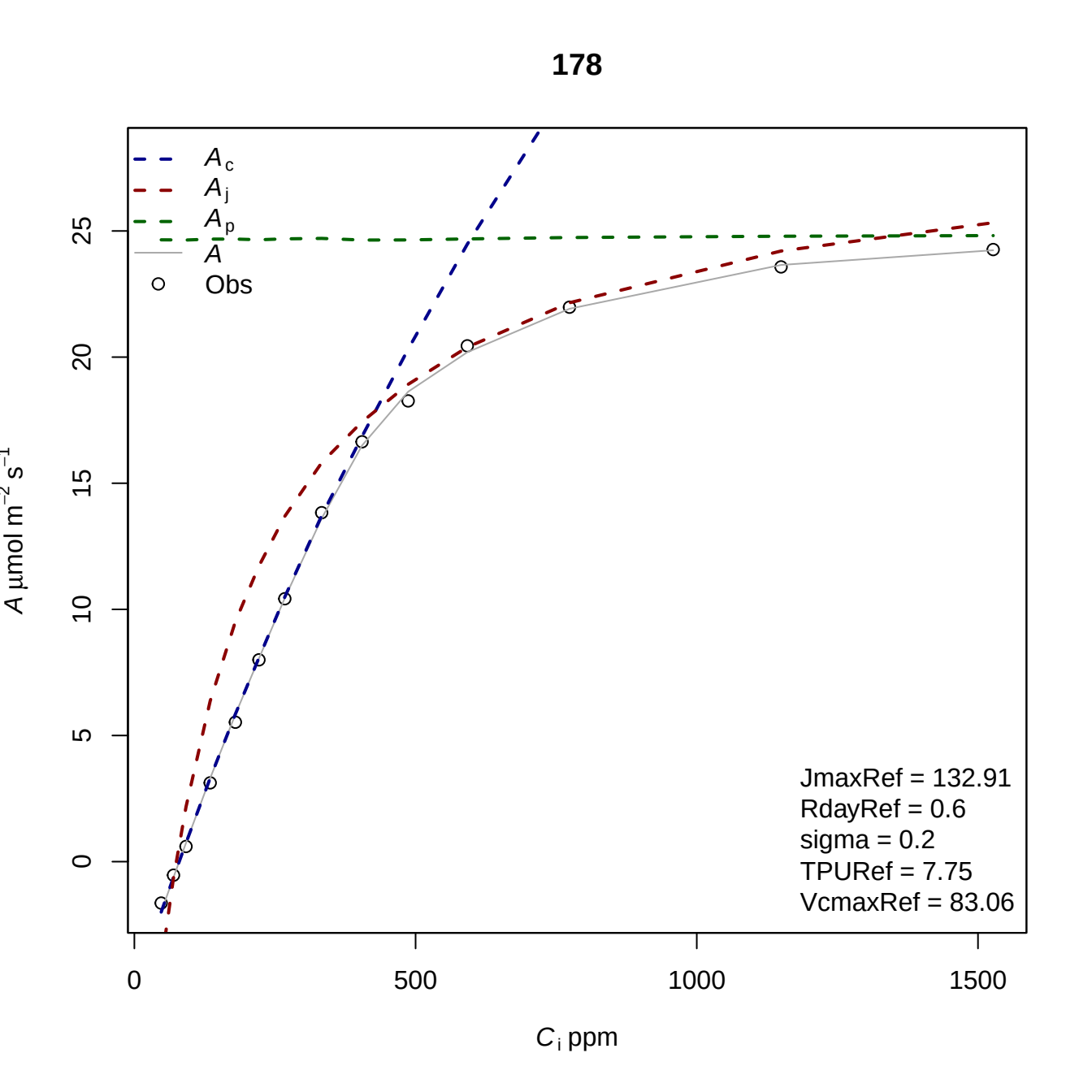

172
A_c
A_j
A_p
A
Obs
JmaxRef = 169.9
RdayRef = 0.51
sigma = 0.35
TPURef = 13.7
VcmaxRef = 90.29
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000

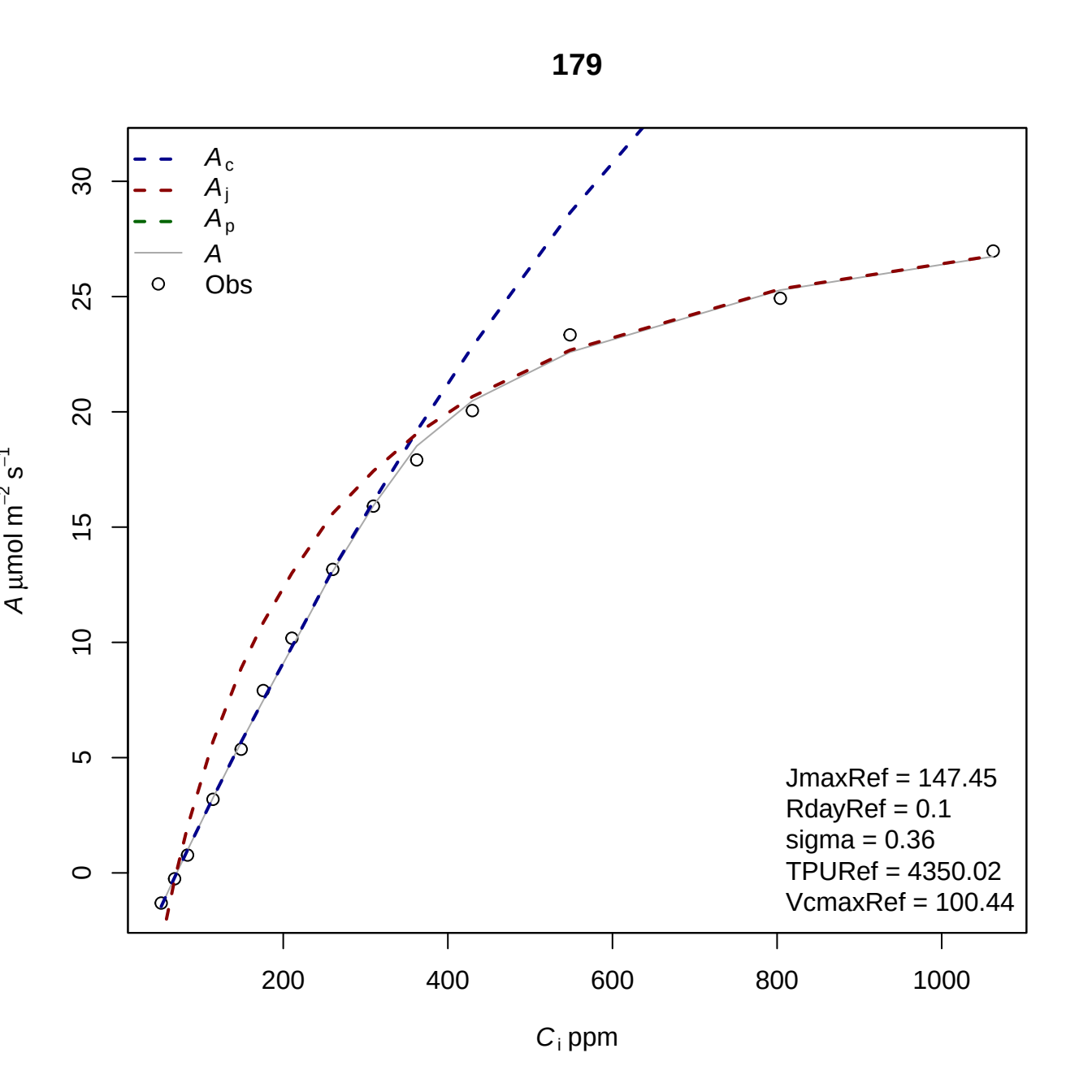

174
A_c
A_j
A_p
A
Obs
JmaxRef = 68.87
RdayRef = 0.83
sigma = 0.19
TPURef = 15.64
VcmaxRef = 33.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
200
400
600
800
1000
1200
1400

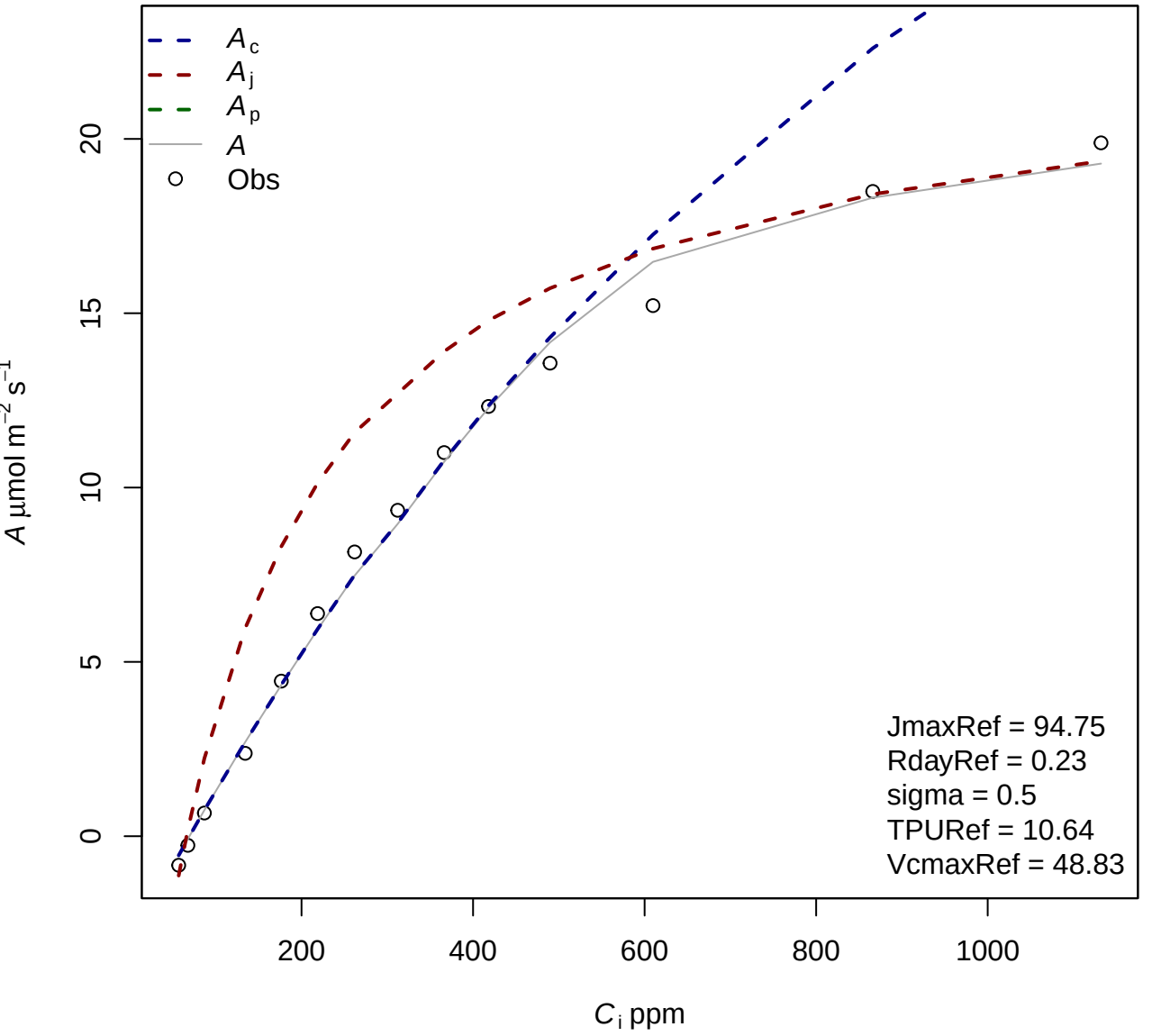

175
A_c
A_j
A_p
A
Obs
JmaxRef = 44.95
RdayRef = 0.7
sigma = 0.23
TPURef = 2.61
VcmaxRef = 30.71
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
200
400
600
800
1000
1200
1400

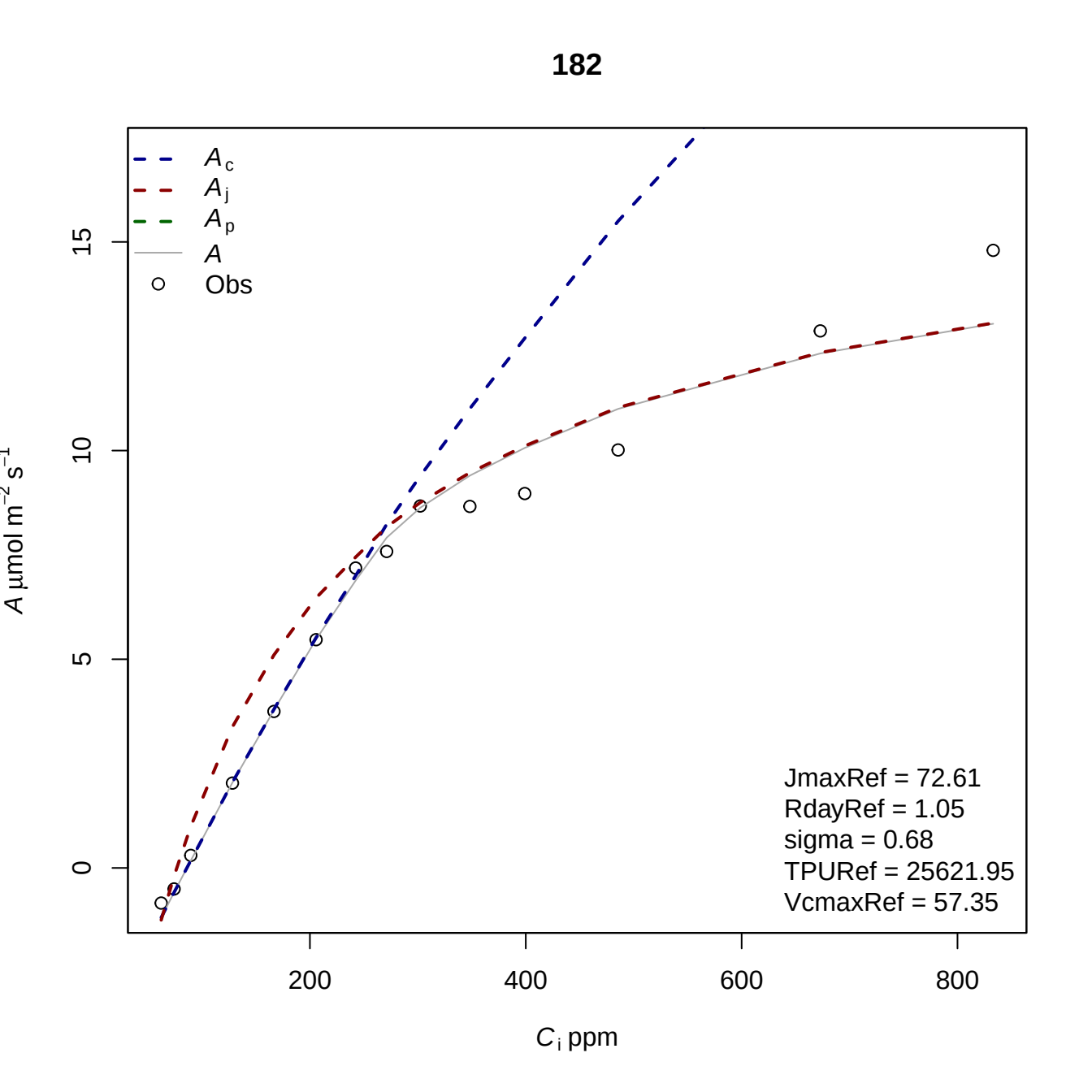

176
A_c
A_j
A_p
A
Obs
JmaxRef = 74.91
RdayRef = 0.69
sigma = 0.41
TPURef = 875.45
VcmaxRef = 42.94
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
200
400
600
800
1000
1200
1400

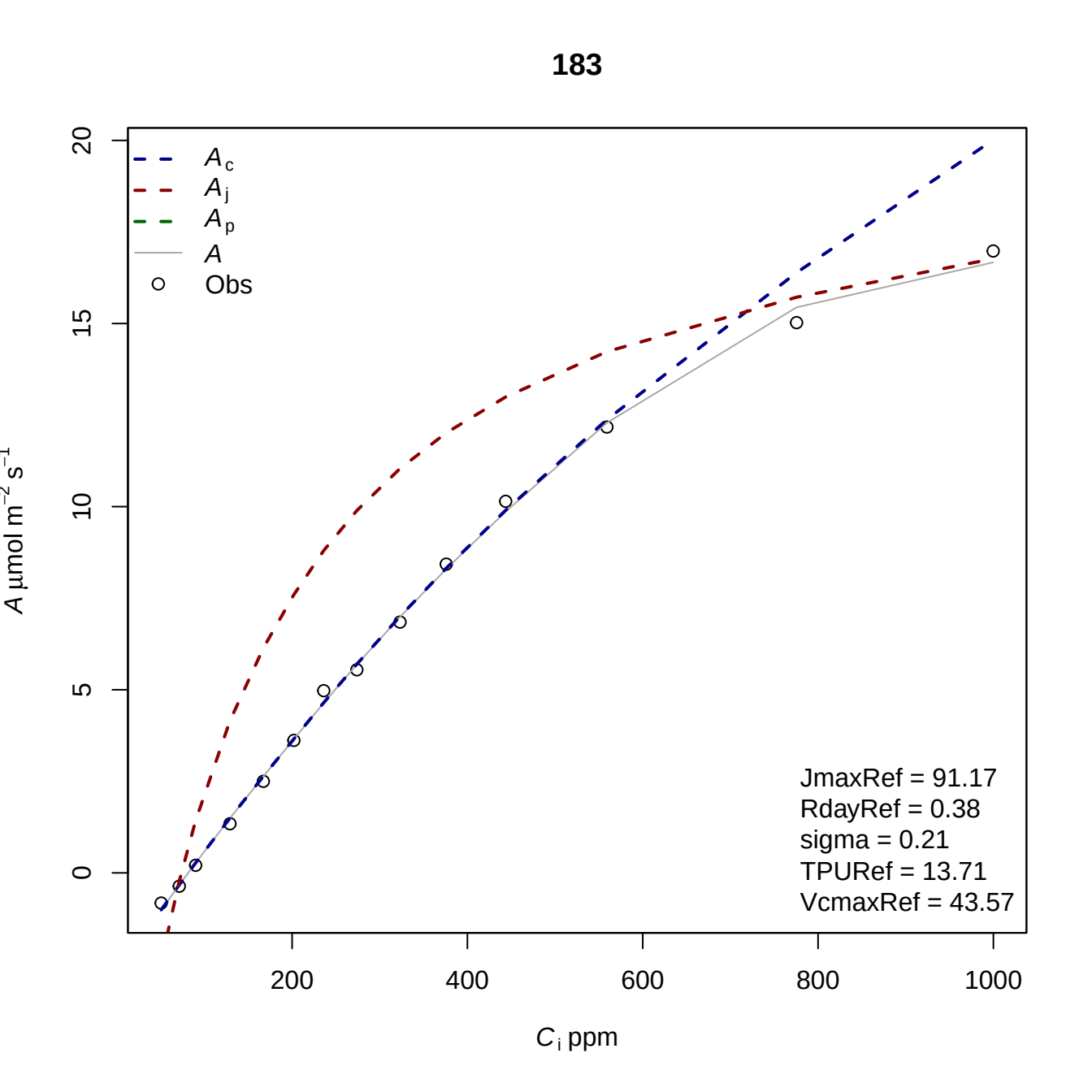

177
A_c
A_j
A_p
A
Obs
JmaxRef = 60.55
RdayRef = 1.11
sigma = 0.25
TPURef = 74422.51
VcmaxRef = 43.39
A µmol m^{-2} s^{-1}
0
5
10
200
400
600
800
1000
1200
C_i ppm

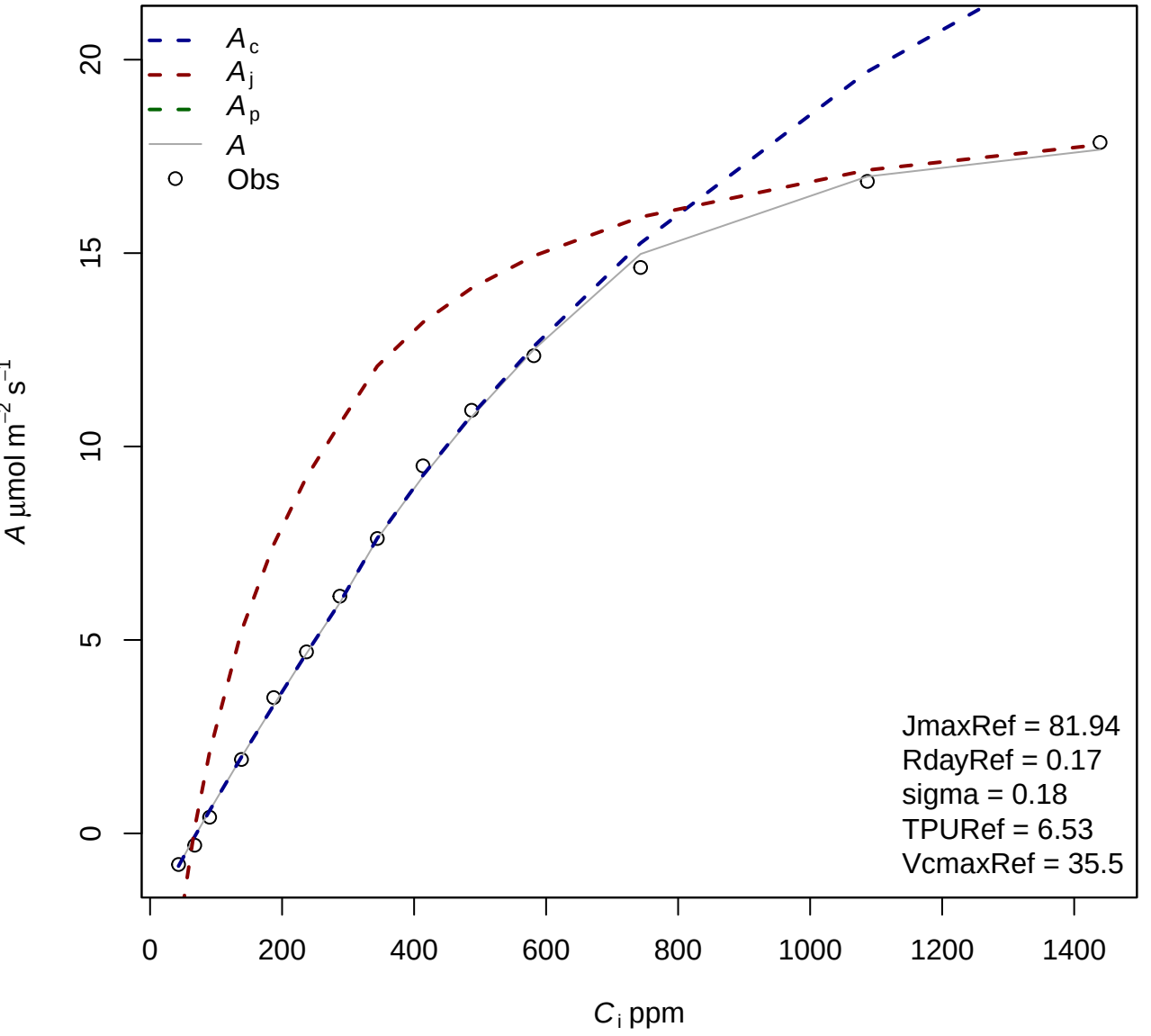

178
A_c
A_j
A_p
A
Obs
JmaxRef = 132.91
RdayRef = 0.6
sigma = 0.2
TPURef = 7.75
VcmaxRef = 83.06
A µmol m^{-2} s^{-1}
0
5
10
15
20
25
0
500
1000
1500
C_i ppm

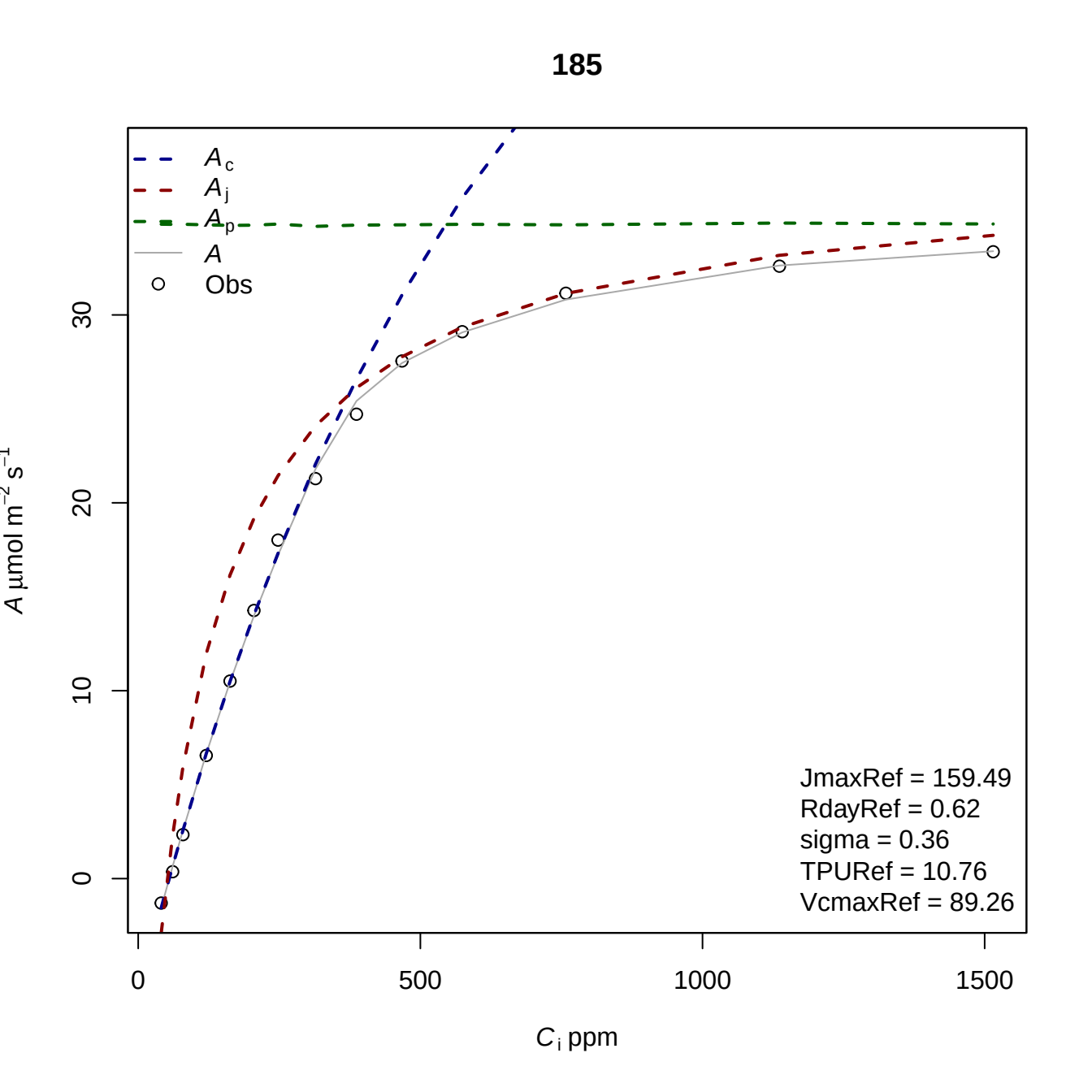

179
A_c
A_j
A_p
A
Obs
JmaxRef = 147.45
RdayRef = 0.1
sigma = 0.36
TPURef = 4350.02
VcmaxRef = 100.44
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000

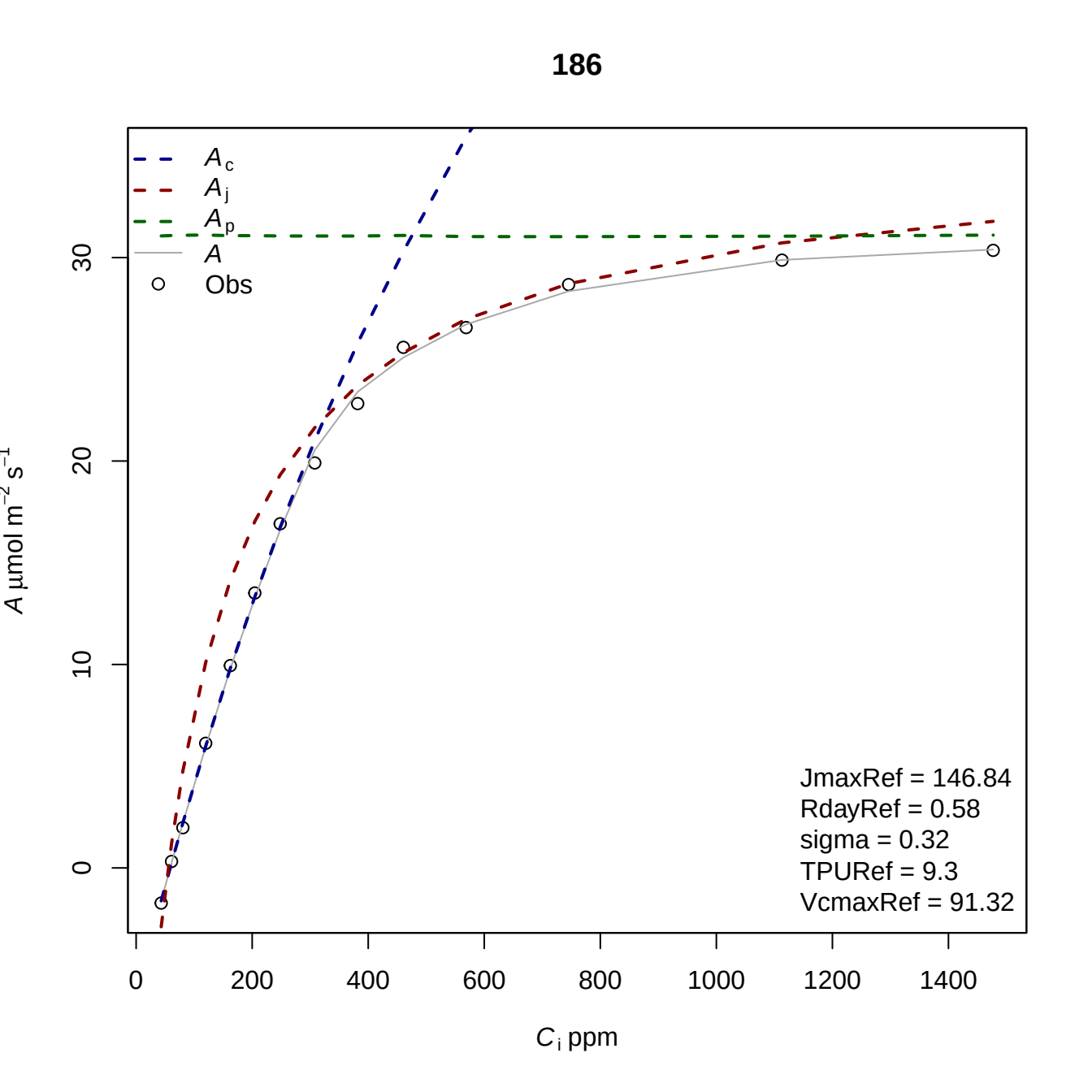

A_c
A_j
A_p
A
Obs
JmaxRef = 94.75
RdayRef = 0.23
sigma = 0.5
TPURef = 10.64
VcmaxRef = 48.83
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

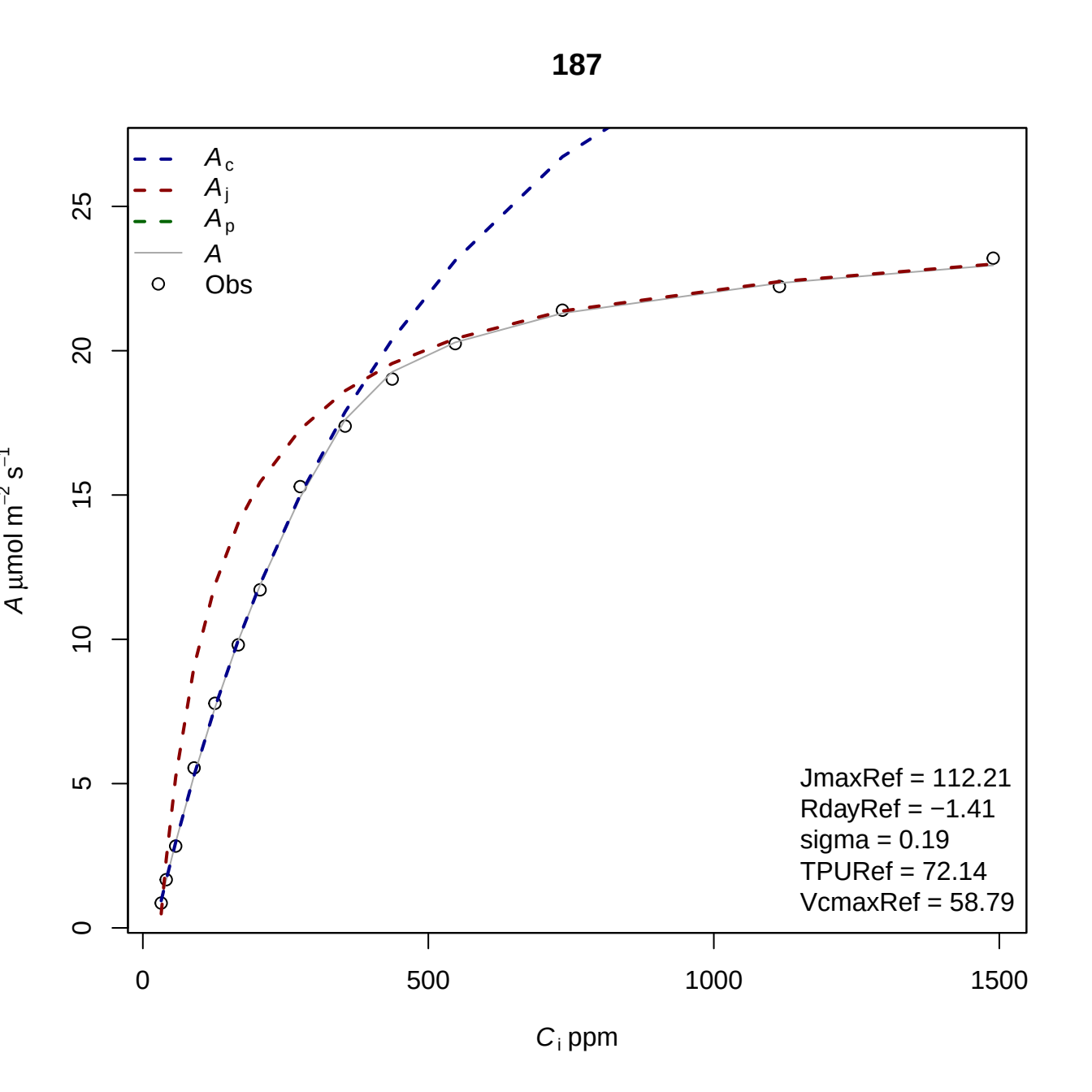

182
A_c
A_j
A_p
A
Obs
JmaxRef = 72.61
RdayRef = 1.05
sigma = 0.68
TPURef = 25621.95
VcmaxRef = 57.35
0
5
10
15
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

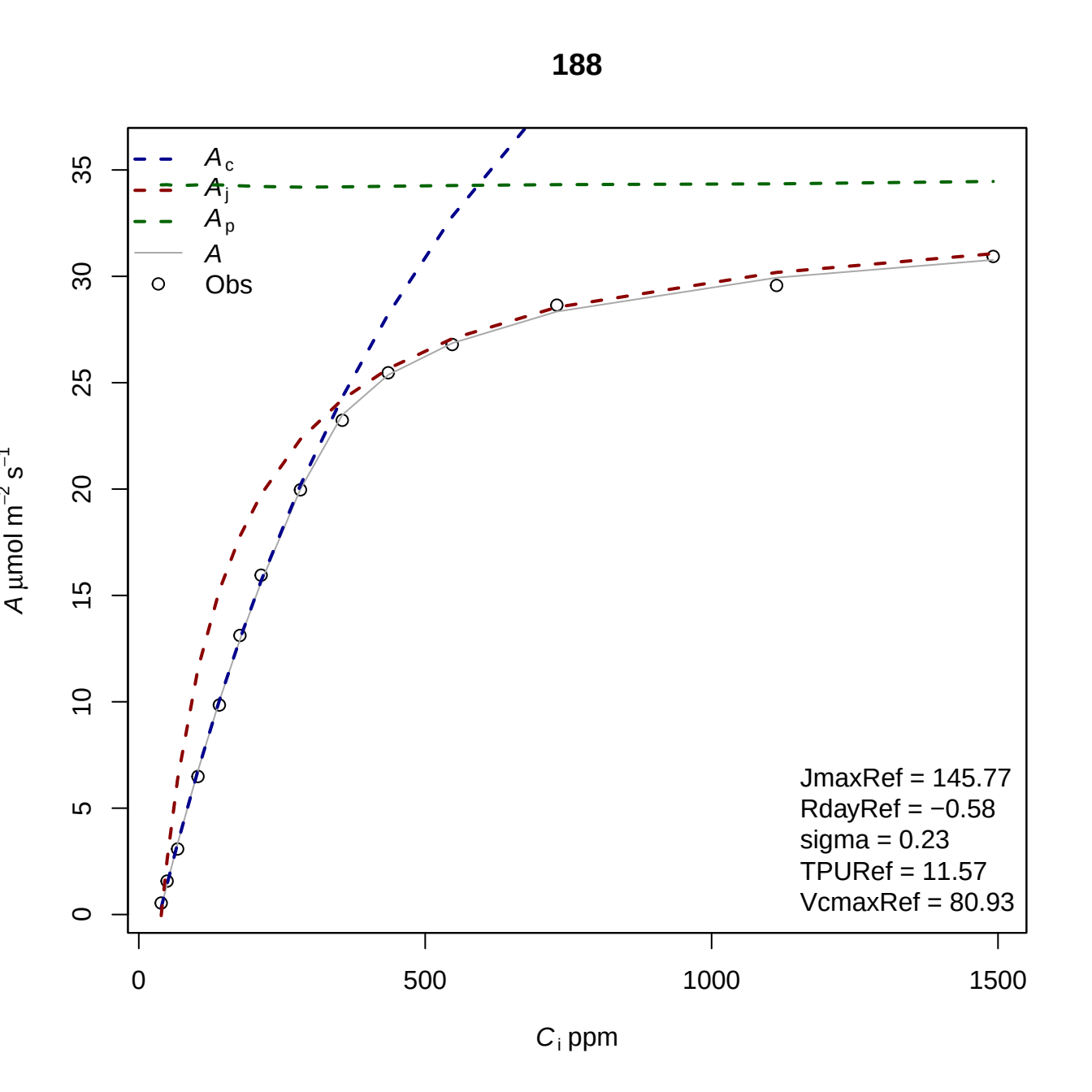

183
A_c
A_j
A_p
A
Obs
JmaxRef = 91.17
RdayRef = 0.38
sigma = 0.21
TPURef = 13.71
VcmaxRef = 43.57
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

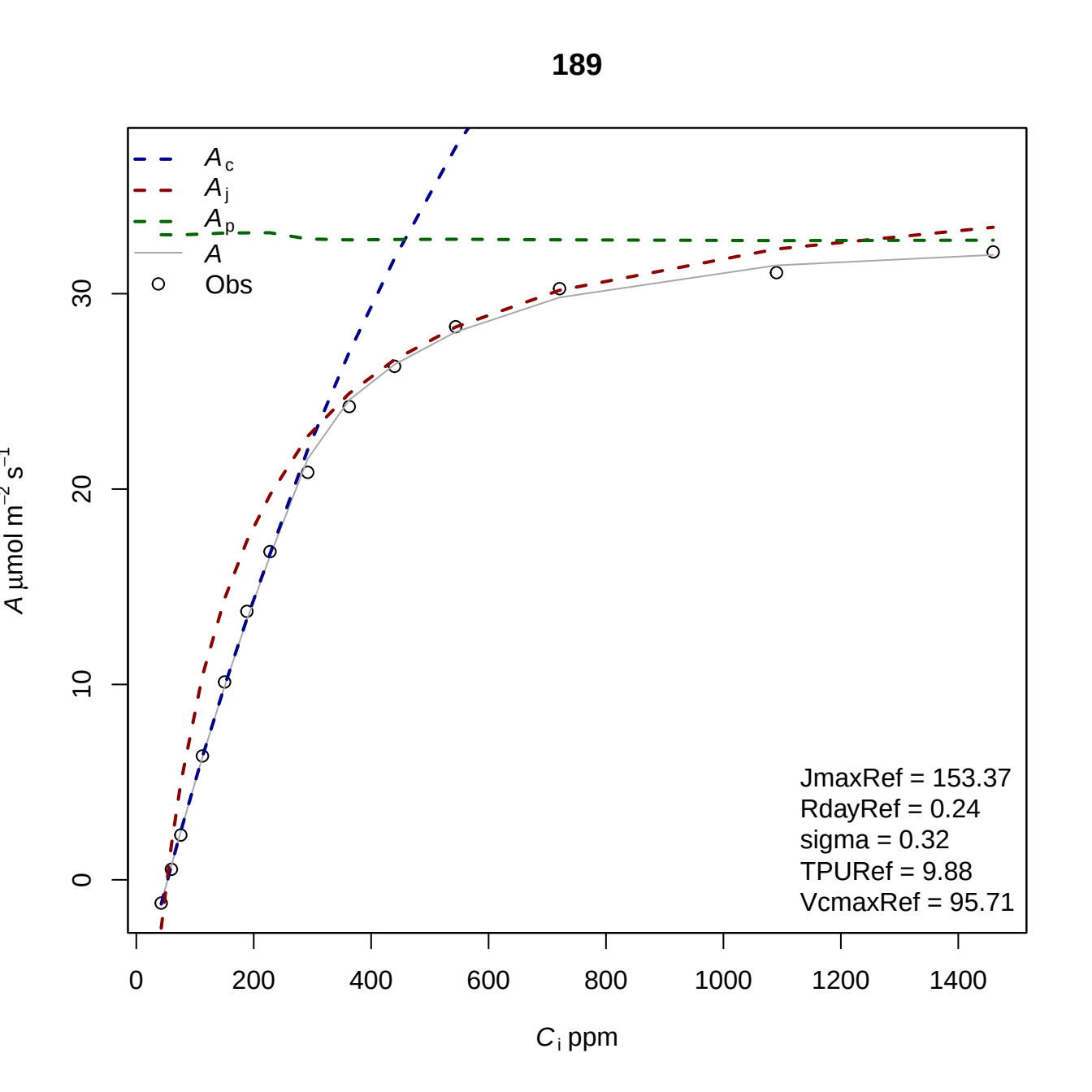

A_c
A_j
A_p
A
Obs
JmaxRef = 81.94
RdayRef = 0.17
sigma = 0.18
TPURef = 6.53
VcmaxRef = 35.5
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

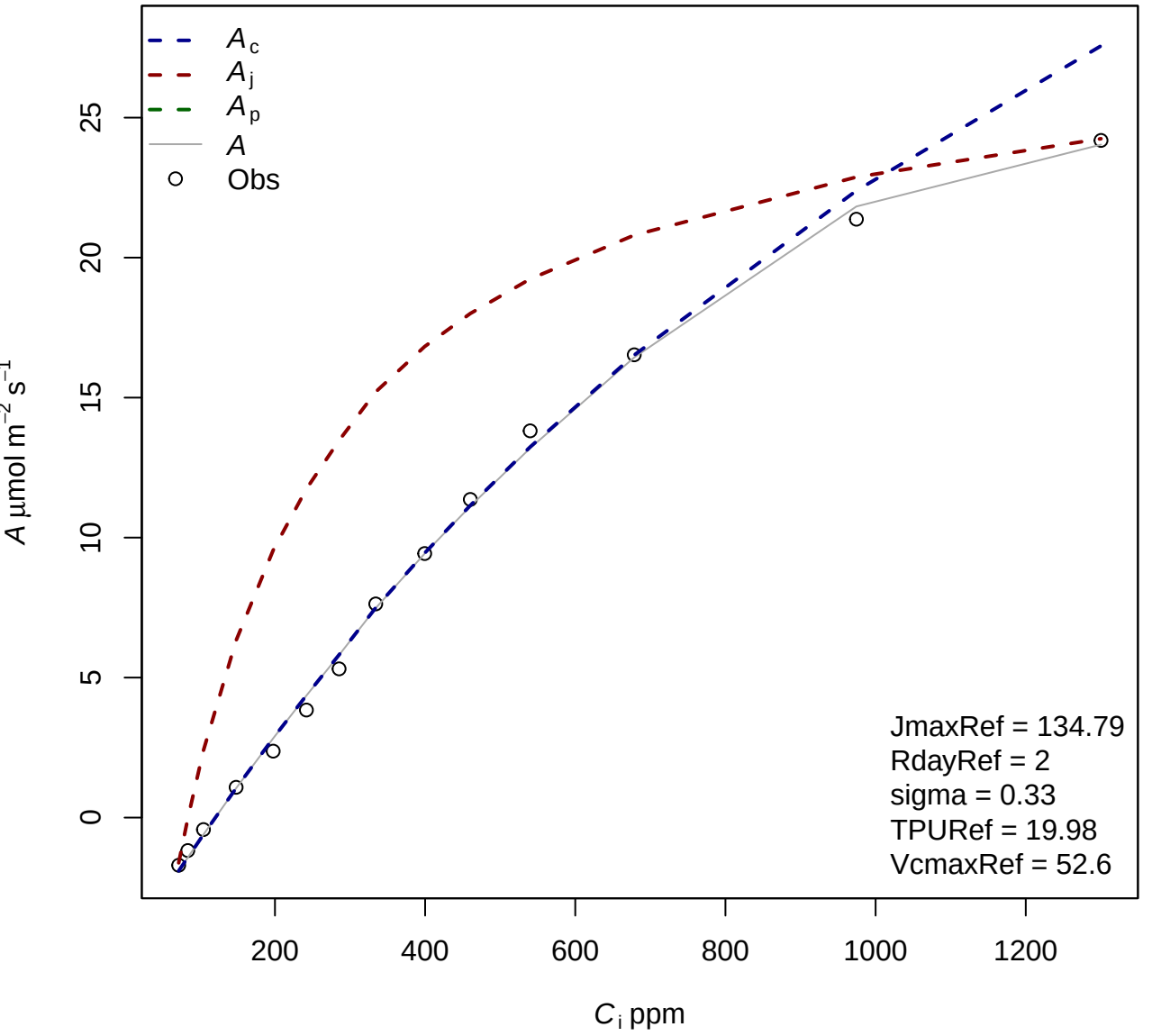

185
A_c
A_j
A_p
A
Obs
JmaxRef = 159.49
RdayRef = 0.62
sigma = 0.36
TPURef = 10.76
VcmaxRef = 89.26
0
10
20
30
A µmol m^{-2} s^{-1}
0
500
1000
1500
C_i ppm

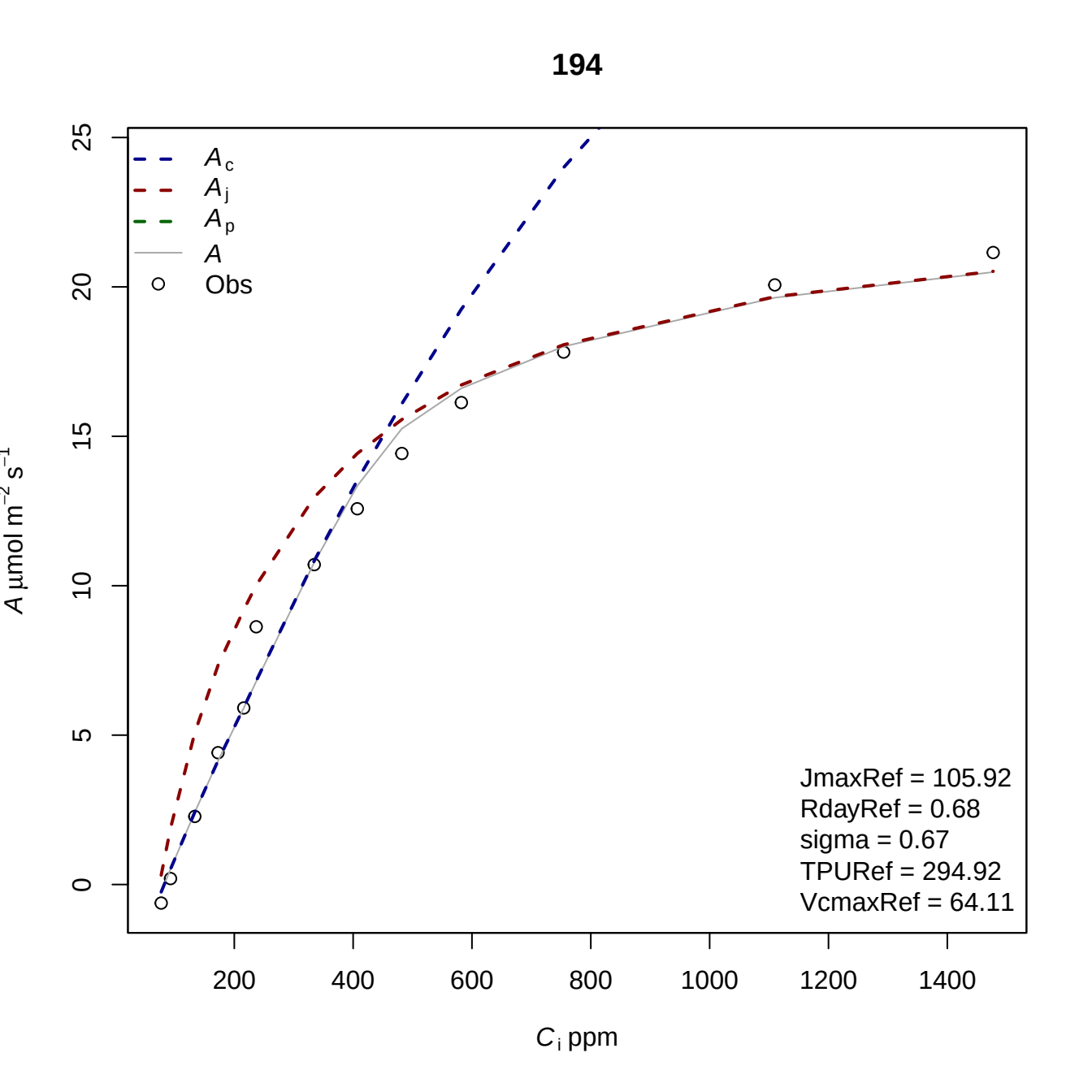

186
A_c
A_j
A_p
A
Obs
JmaxRef = 146.84
RdayRef = 0.58
sigma = 0.32
TPURef = 9.3
VcmaxRef = 91.32
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

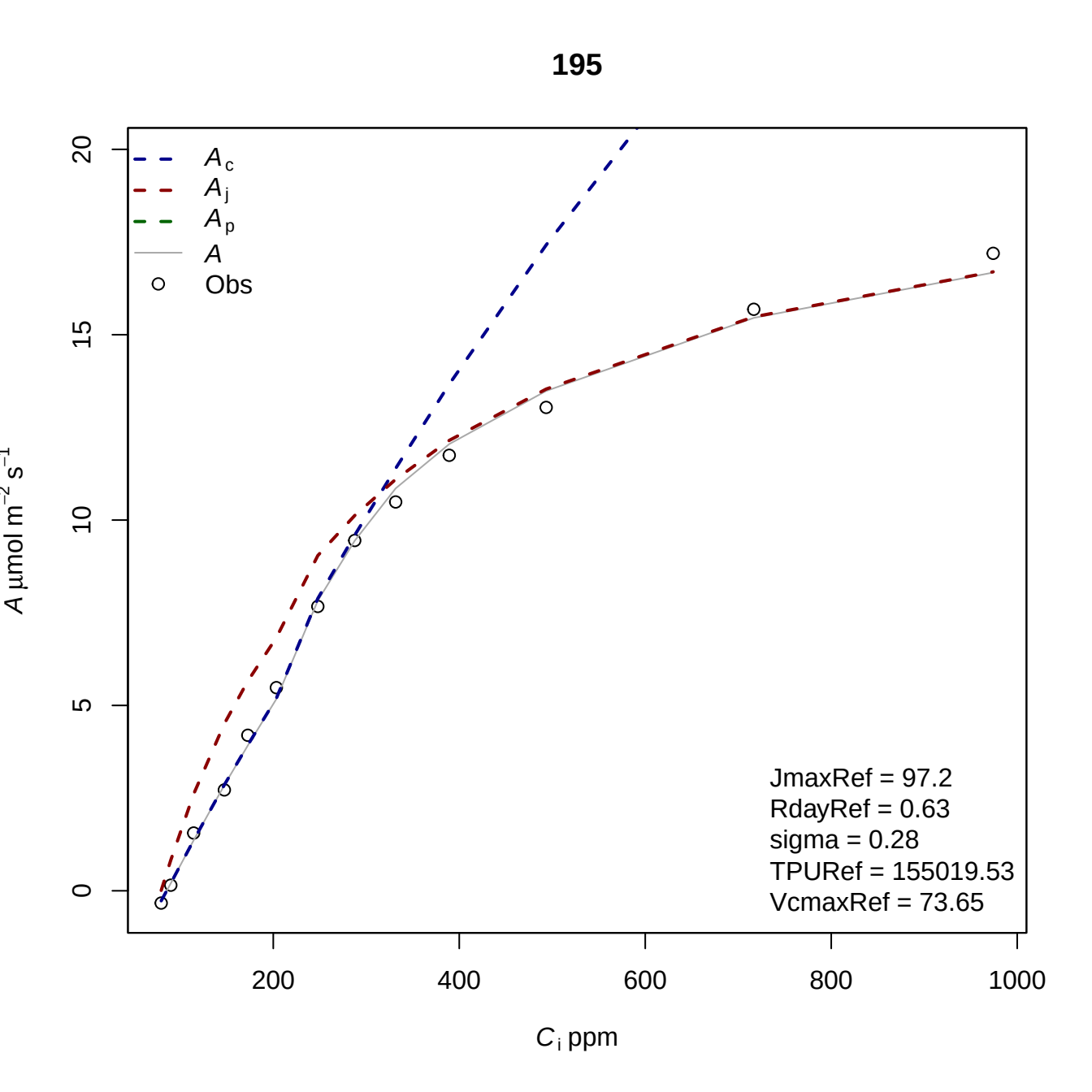

187
A_c
A_j
A_p
A
Obs
JmaxRef = 112.21
RdayRef = −1.41
sigma = 0.19
TPURef = 72.14
VcmaxRef = 58.79
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

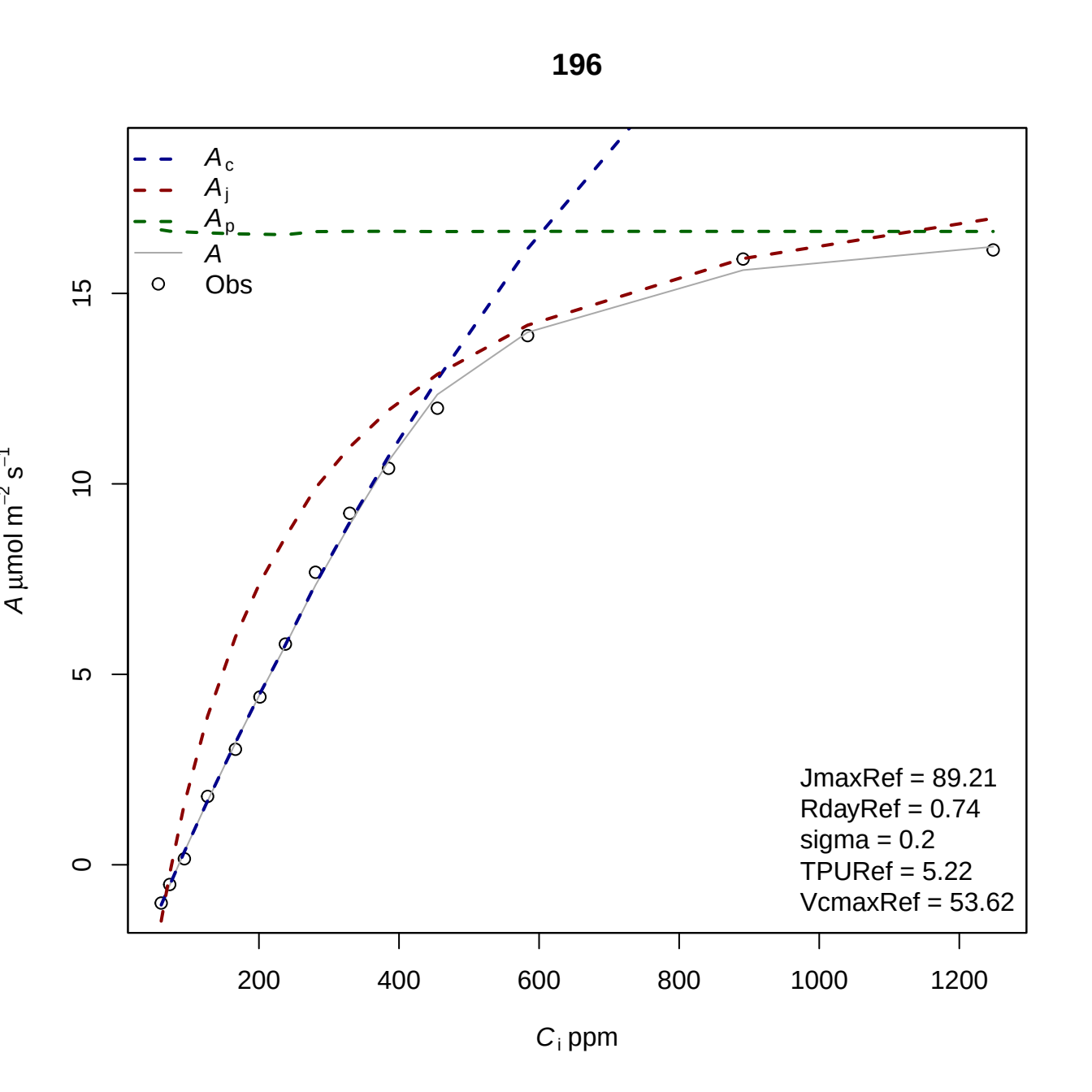

188
A_c
A_j
A_p
A
Obs
JmaxRef = 145.77
RdayRef = −0.58
sigma = 0.23
TPURef = 11.57
VcmaxRef = 80.93
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
500
1000
1500

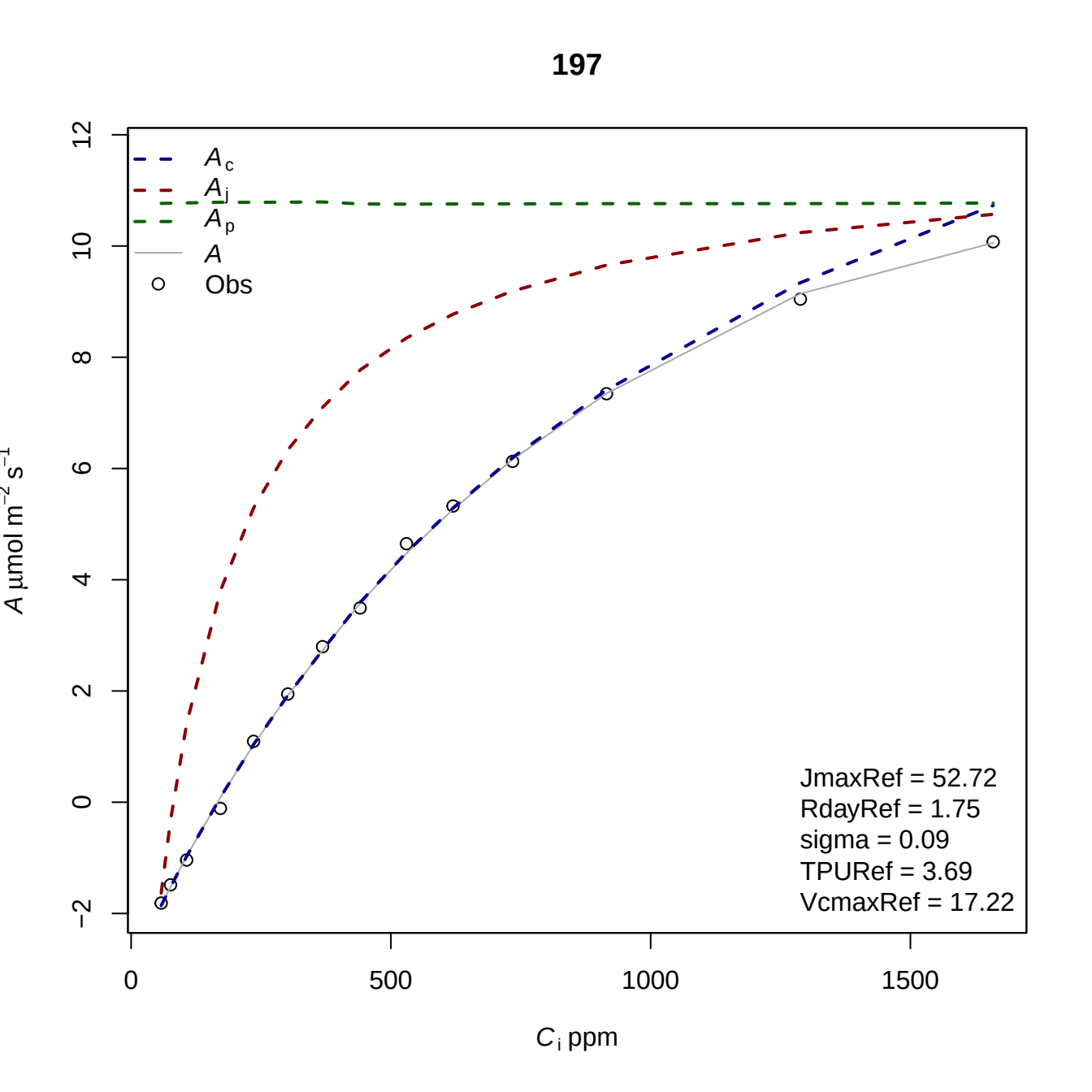

189
A_c
A_j
A_p
A
Obs
JmaxRef = 153.37
RdayRef = 0.24
sigma = 0.32
TPURef = 9.88
VcmaxRef = 95.71
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

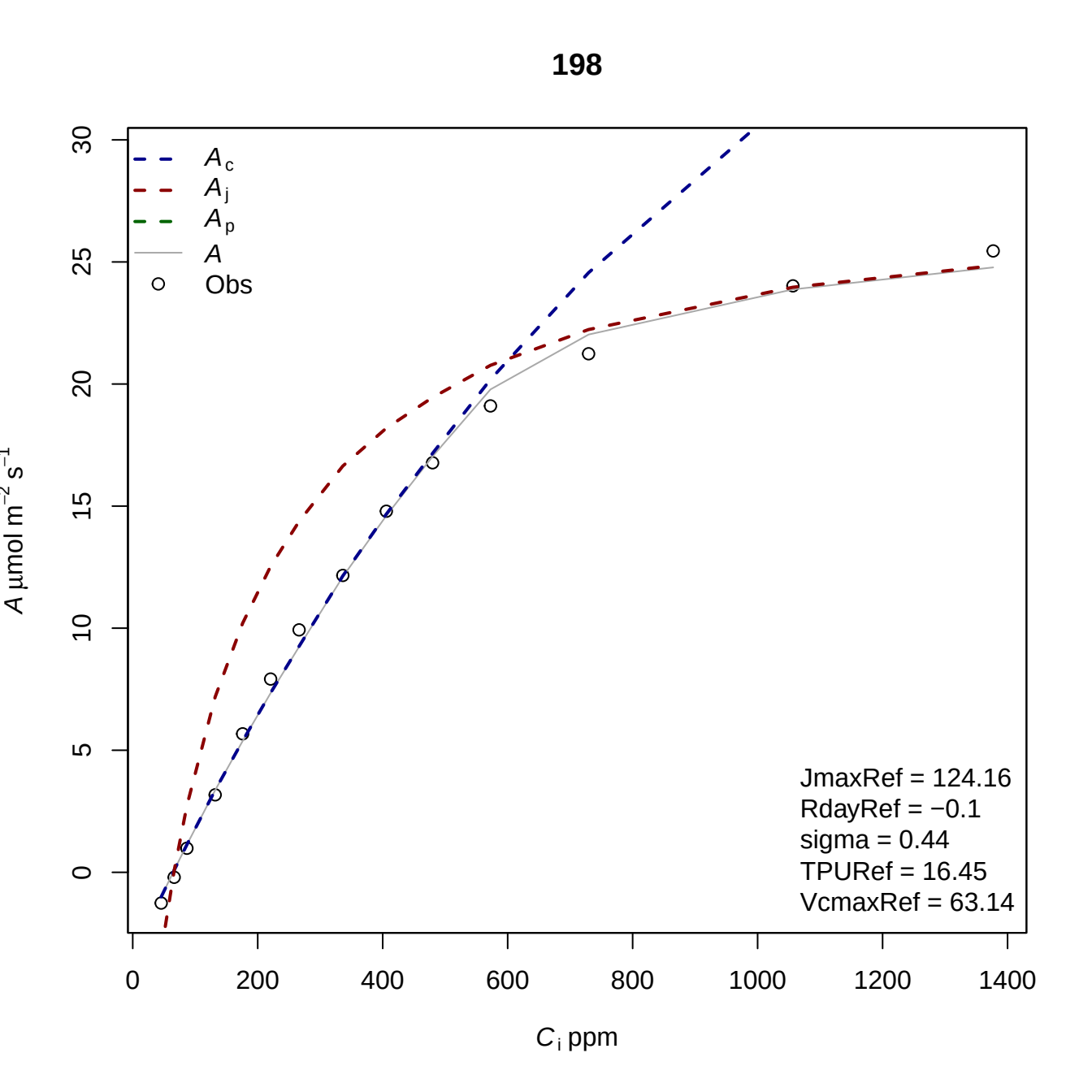

A_c
A_j
A_p
A
Obs
JmaxRef = 134.79
RdayRef = 2
sigma = 0.33
TPURef = 19.98
VcmaxRef = 52.6
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200

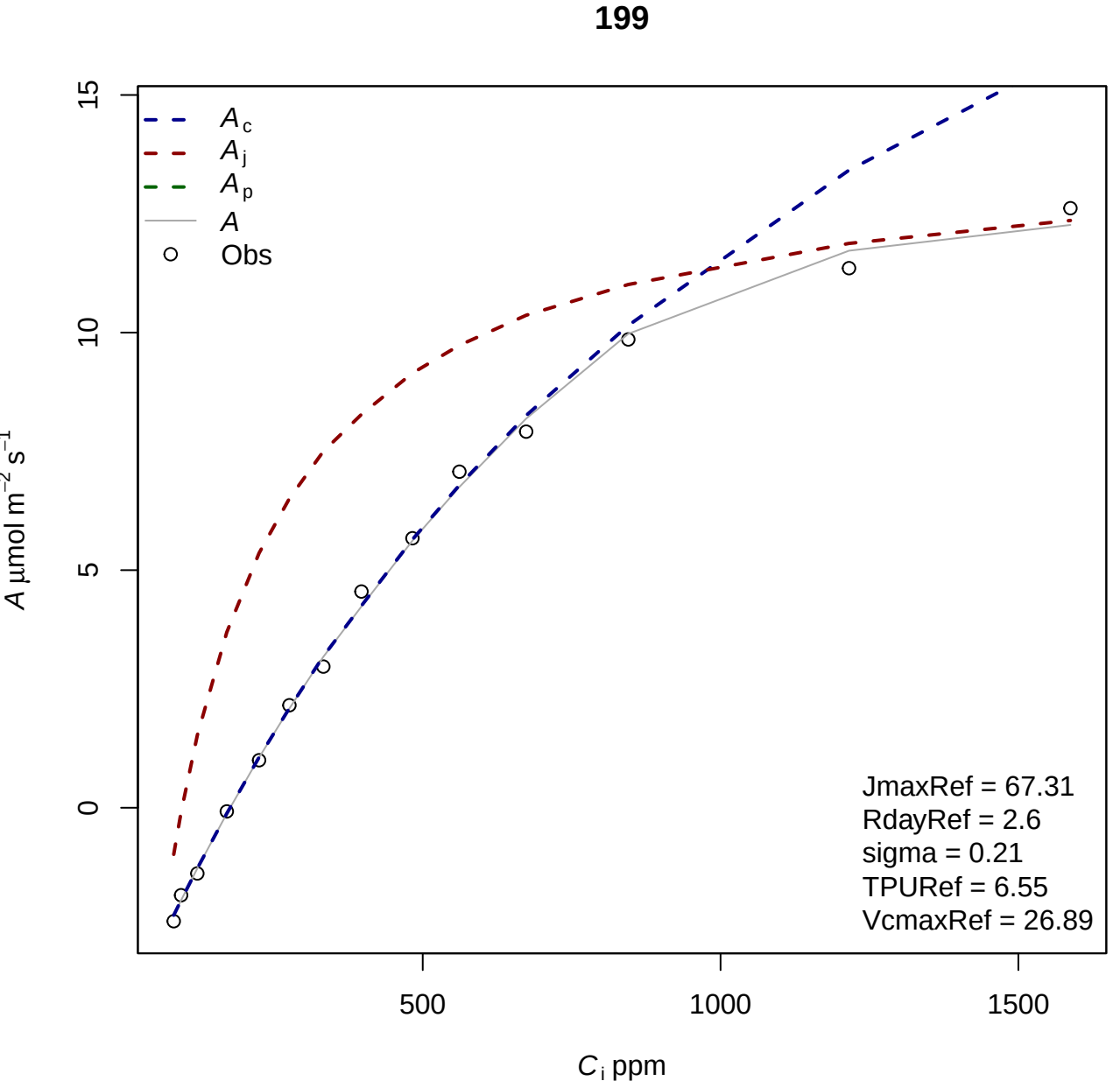

194
A_c
A_j
A_p
A
Obs
JmaxRef = 105.92
RdayRef = 0.68
sigma = 0.67
TPURef = 294.92
VcmaxRef = 64.11
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200
1400

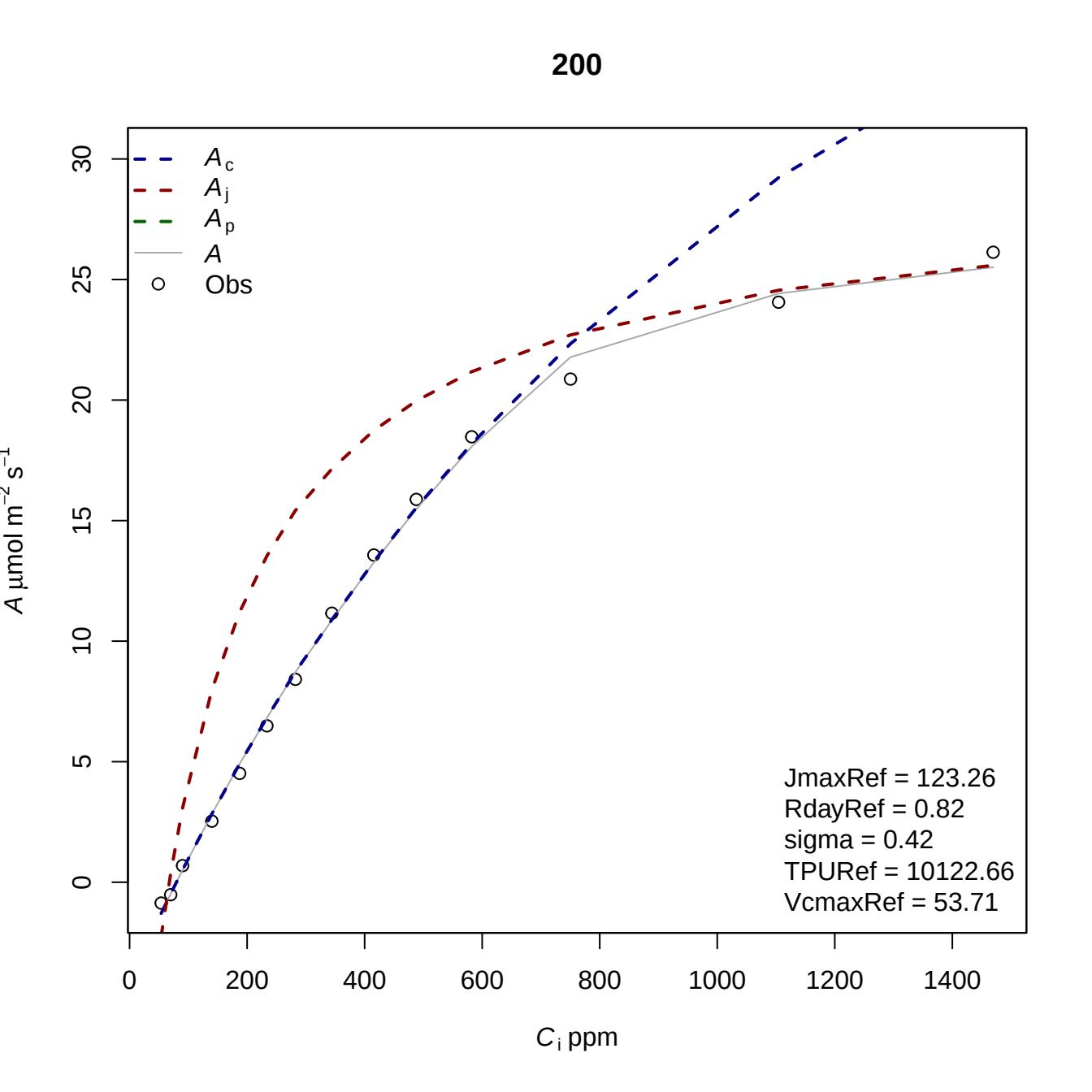

195
A_c
A_j
A_p
A
Obs
JmaxRef = 97.2
RdayRef = 0.63
sigma = 0.28
TPURef = 155019.53
VcmaxRef = 73.65
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

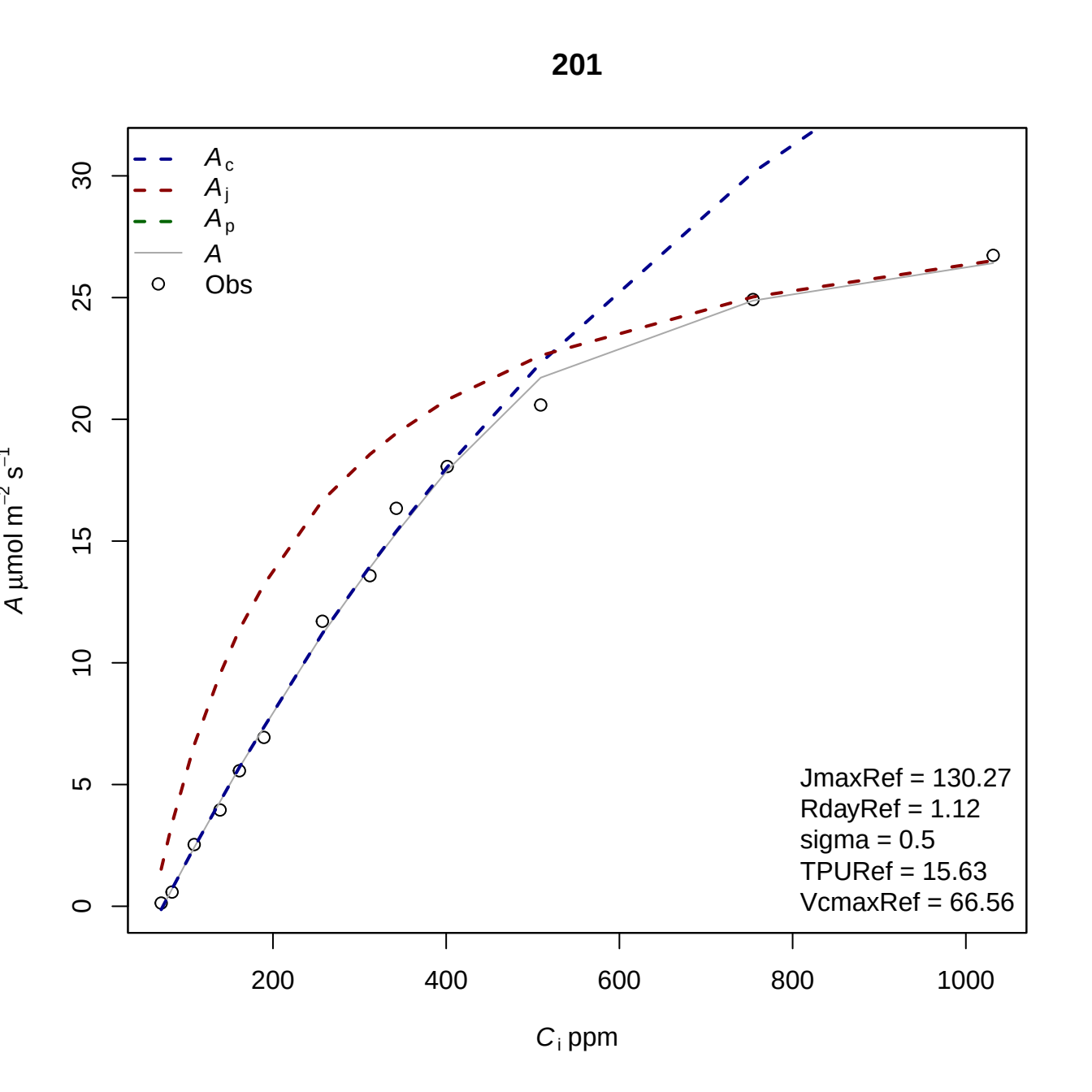

196
A_c
A_j
A_p
A
Obs
JmaxRef = 89.21
RdayRef = 0.74
sigma = 0.2
TPURef = 5.22
VcmaxRef = 53.62
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
200
400
600
800
1000
1200

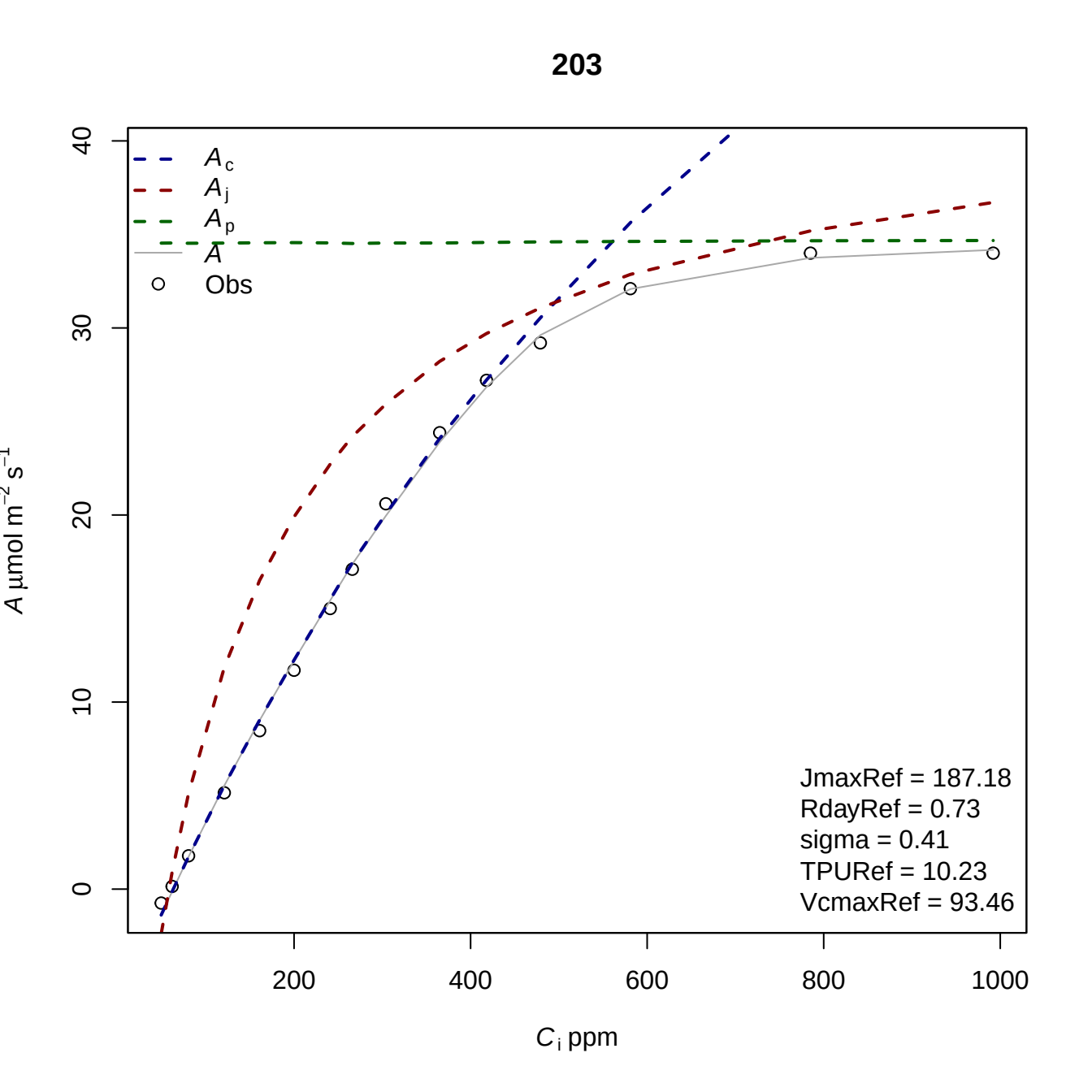

197
A_c
A_j
A_p
A
Obs
JmaxRef = 52.72
RdayRef = 1.75
sigma = 0.09
TPURef = 3.69
VcmaxRef = 17.22
A µmol m^{-2} s^{-1}
C_i ppm
12
10
8
6
4
2
0
−2
0
500
1000
1500

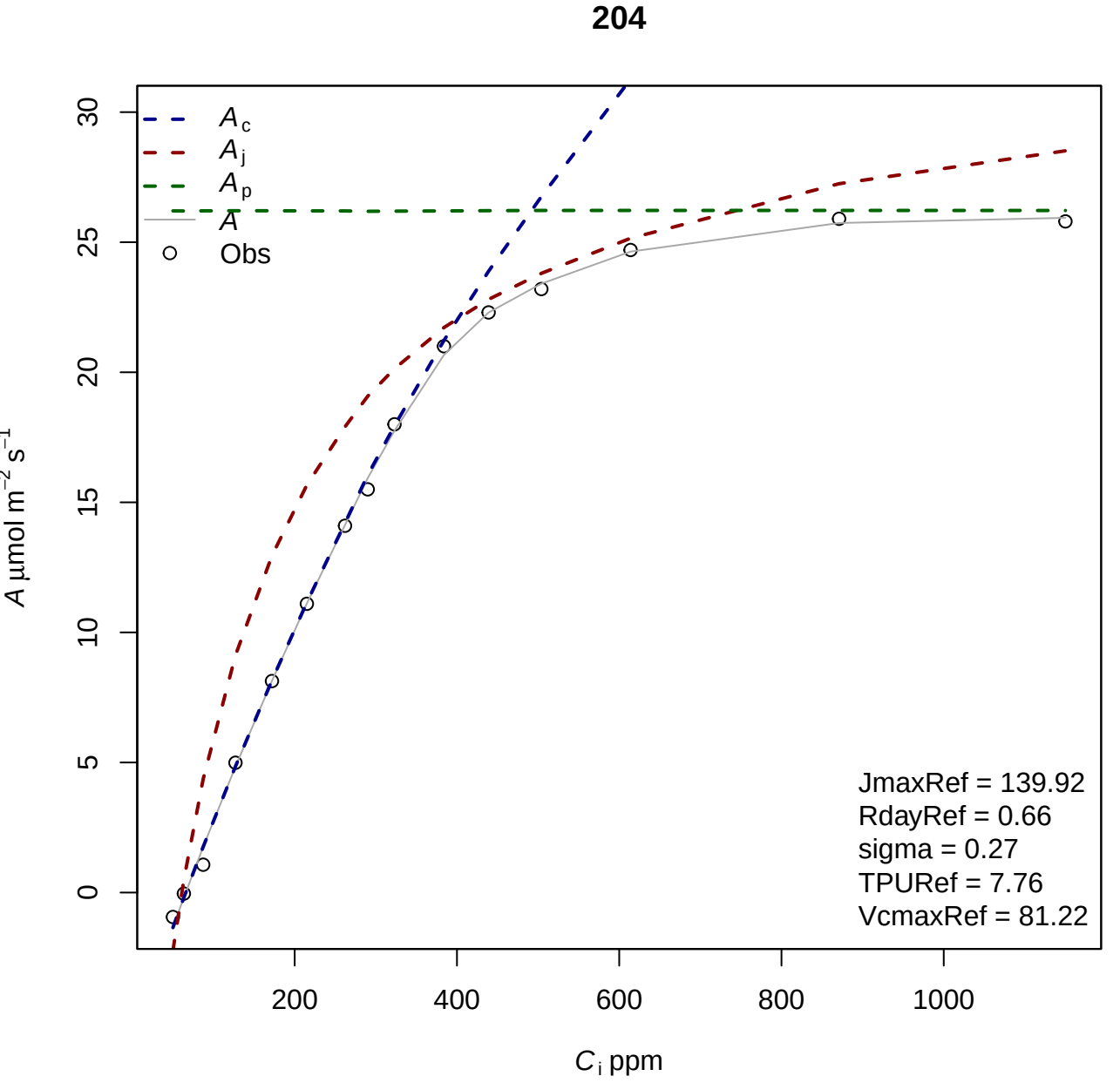

198
A_c
A_j
A_p
A
Obs
JmaxRef = 124.16
RdayRef = −0.1
sigma = 0.44
TPURef = 16.45
VcmaxRef = 63.14
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

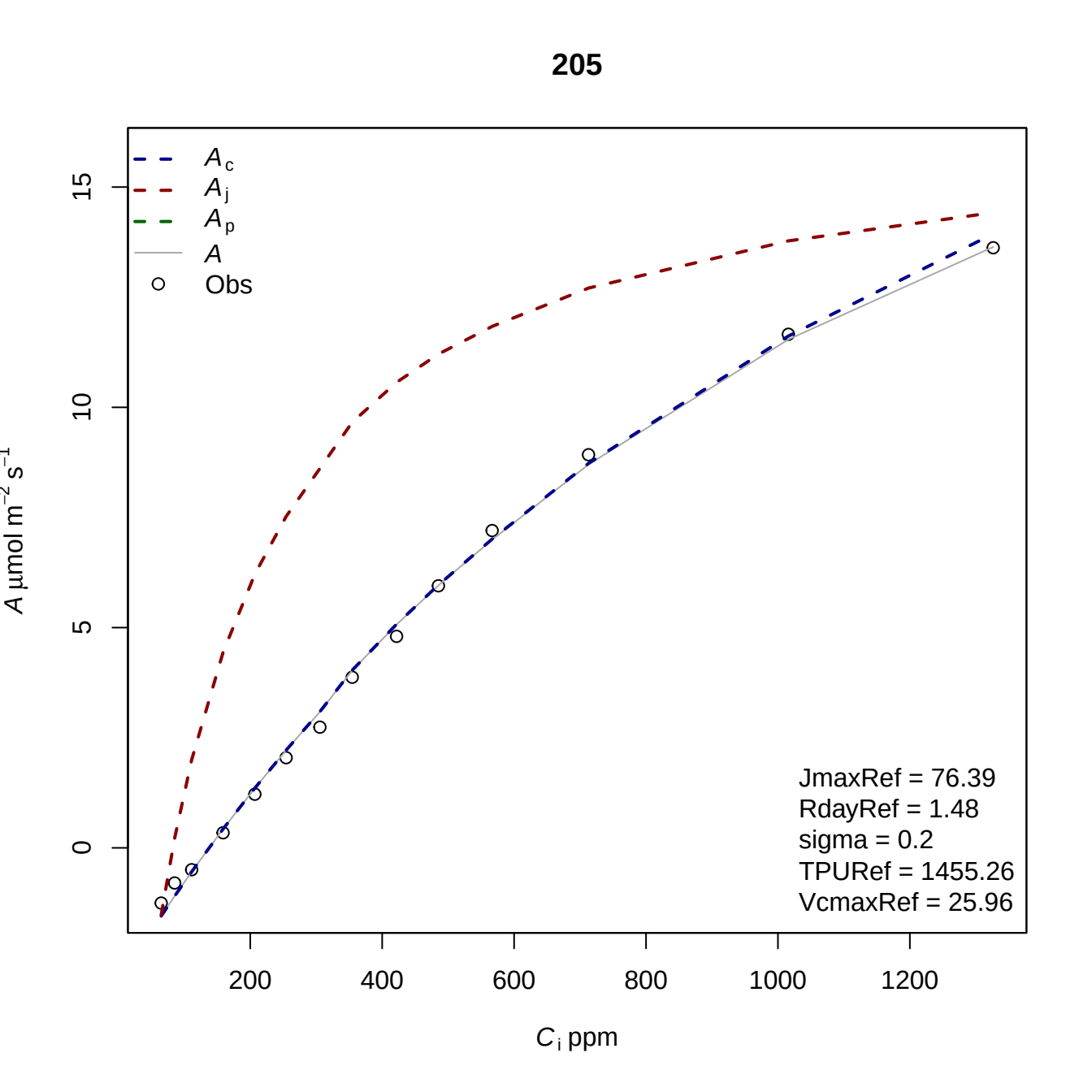

199
A_c
A_j
A_p
A
Obs
JmaxRef = 67.31
RdayRef = 2.6
sigma = 0.21
TPURef = 6.55
VcmaxRef = 26.89
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
500
1000
1500

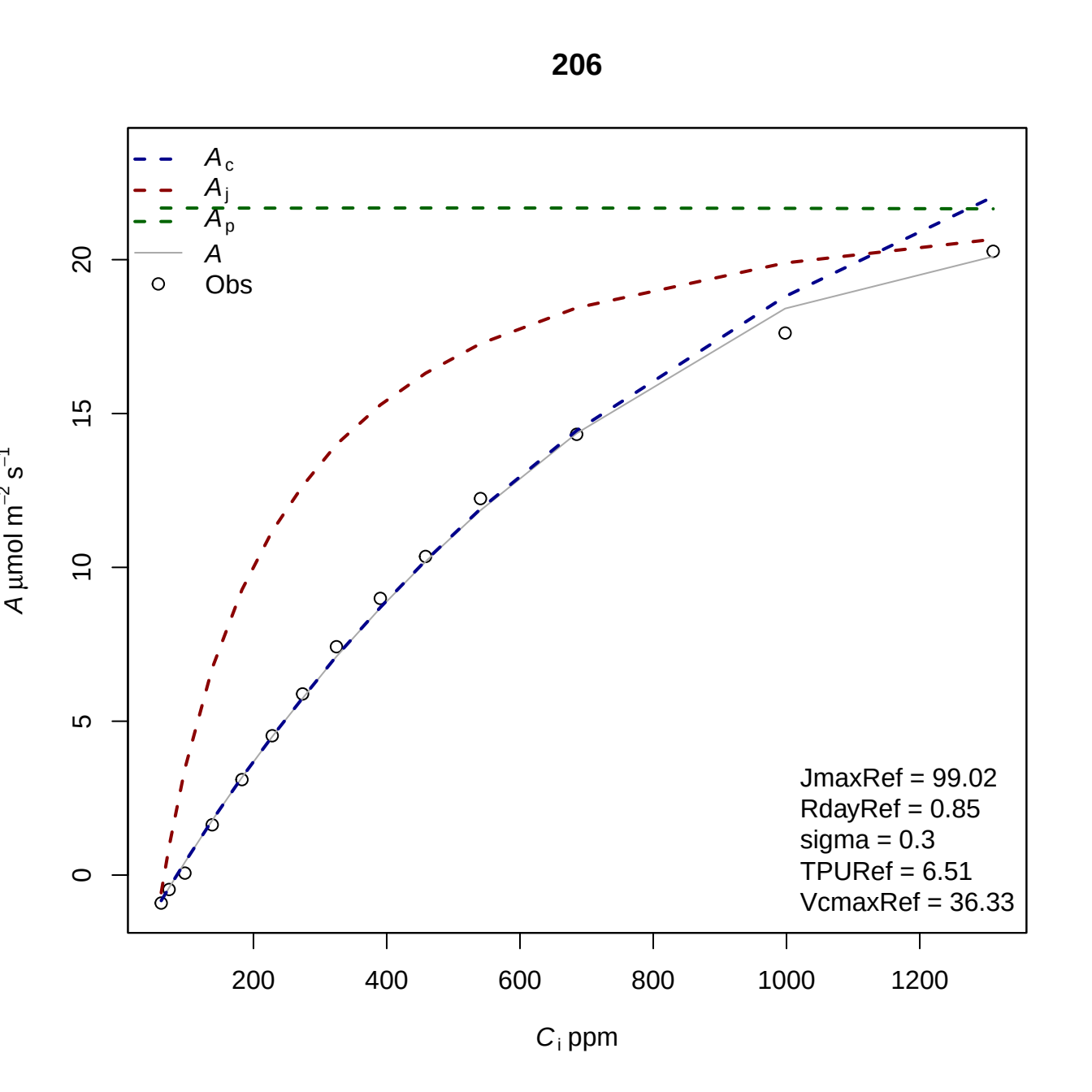

200
A_c
A_j
A_p
A
Obs
JmaxRef = 123.26
RdayRef = 0.82
sigma = 0.42
TPURef = 10122.66
VcmaxRef = 53.71
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

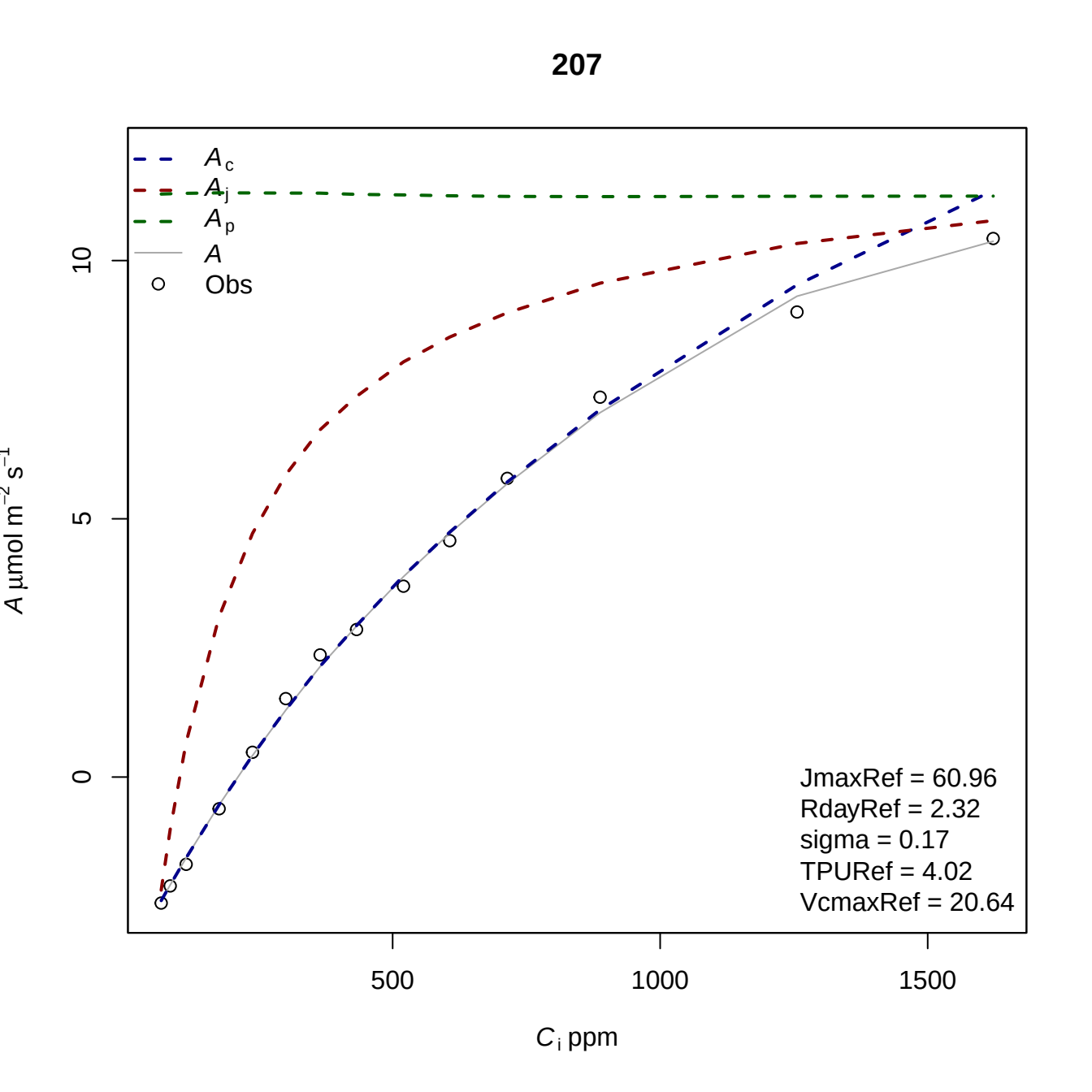

201
A_c
A_j
A_p
A
Obs
JmaxRef = 130.27
RdayRef = 1.12
sigma = 0.5
TPURef = 15.63
VcmaxRef = 66.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000

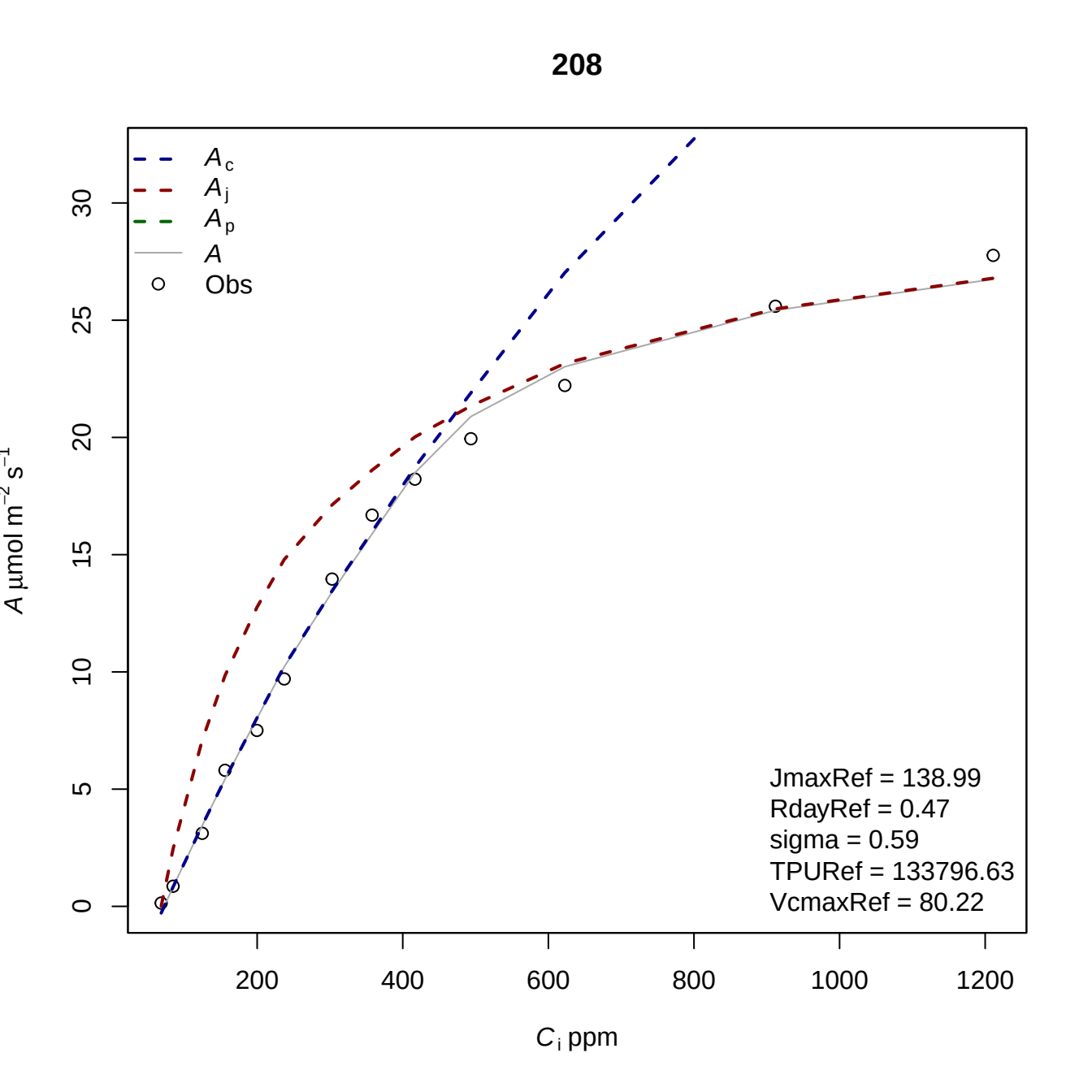

203
A_c
A_j
A_p
A
Obs
JmaxRef = 187.18
RdayRef = 0.73
sigma = 0.41
TPURef = 10.23
VcmaxRef = 93.46
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000

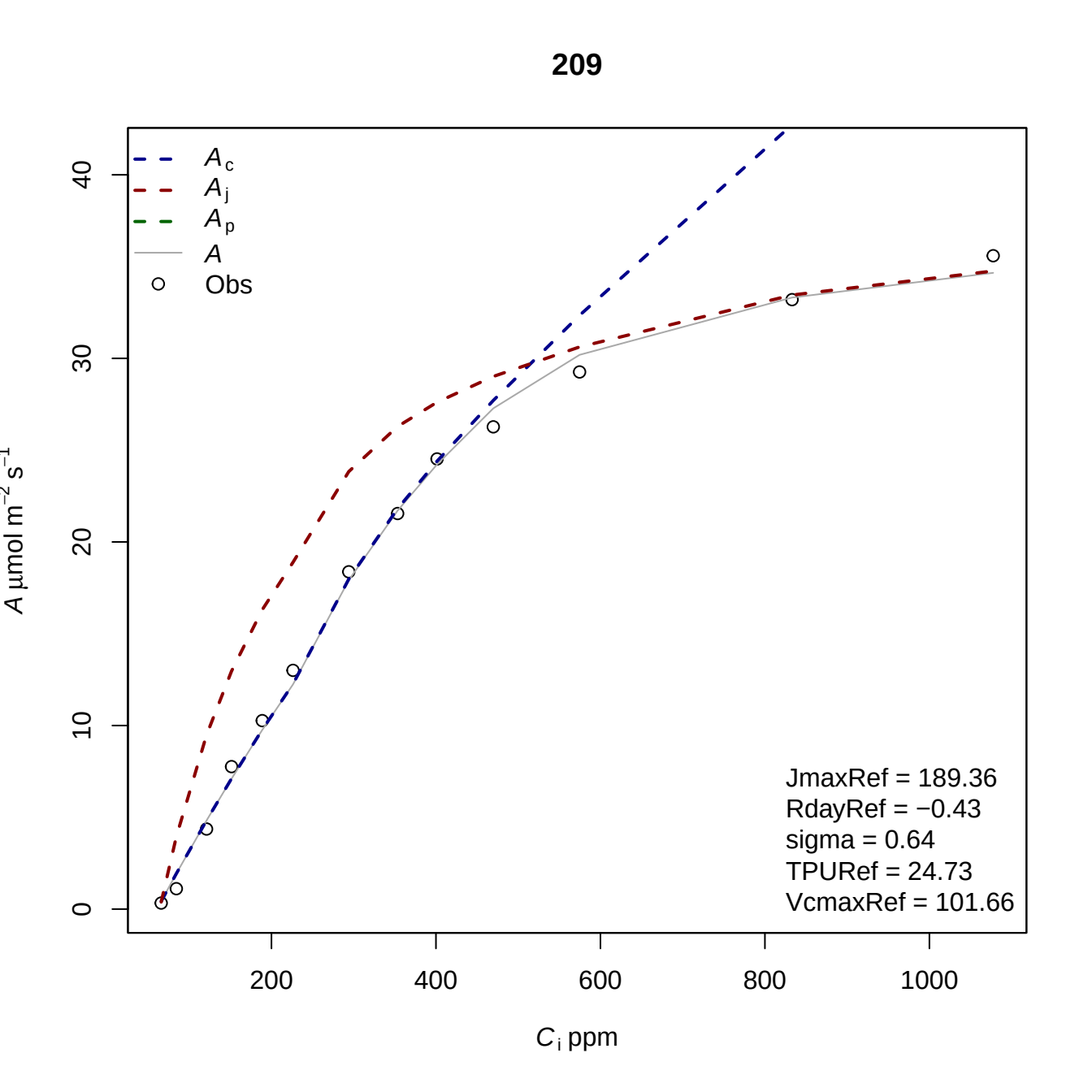

204
A_c
A_j
A_p
A
Obs
JmaxRef = 139.92
RdayRef = 0.66
sigma = 0.27
TPURef = 7.76
VcmaxRef = 81.22
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000

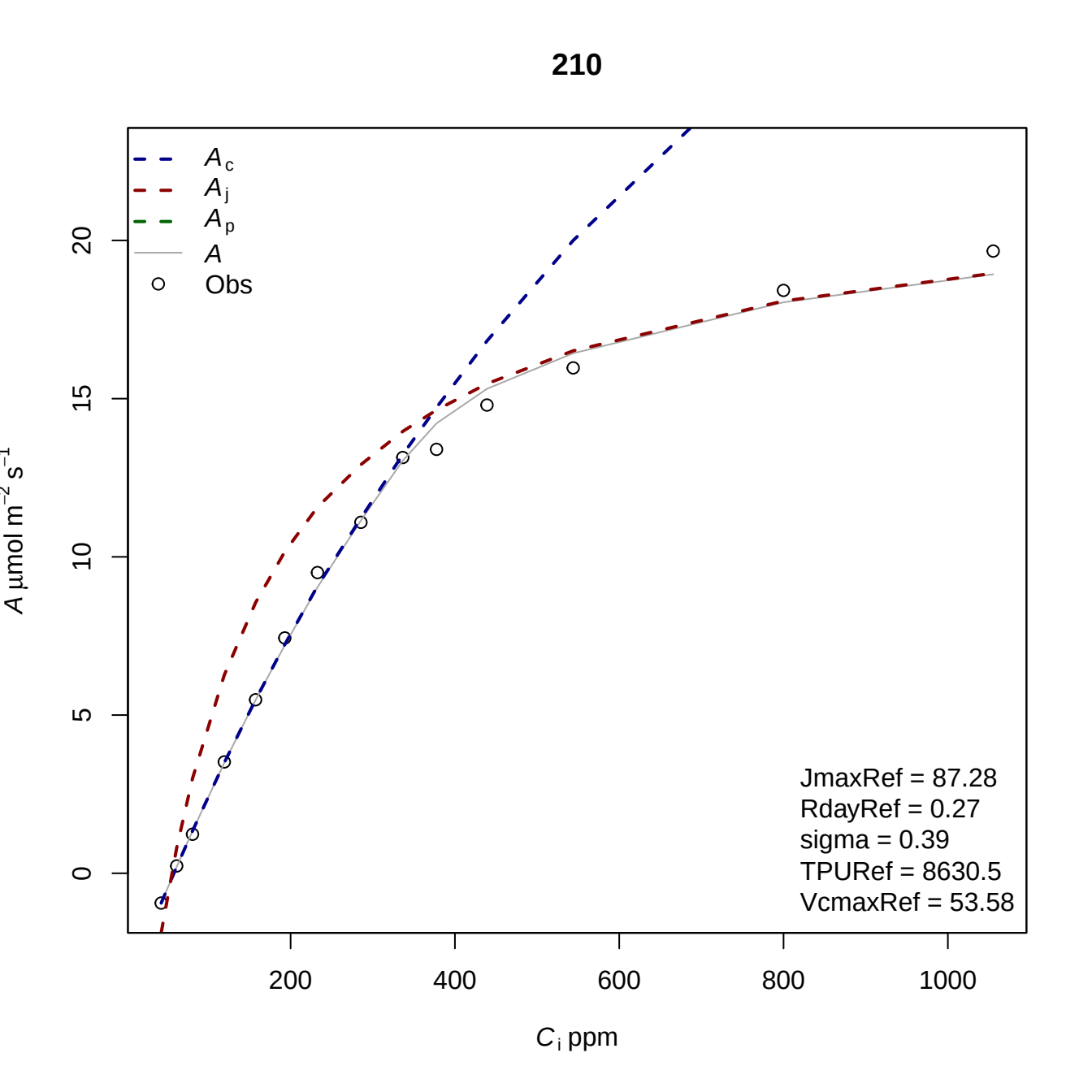

205
A_c
A_j
A_p
A
Obs
JmaxRef = 76.39
RdayRef = 1.48
sigma = 0.2
TPURef = 1455.26
VcmaxRef = 25.96
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
200
400
600
800
1000
1200

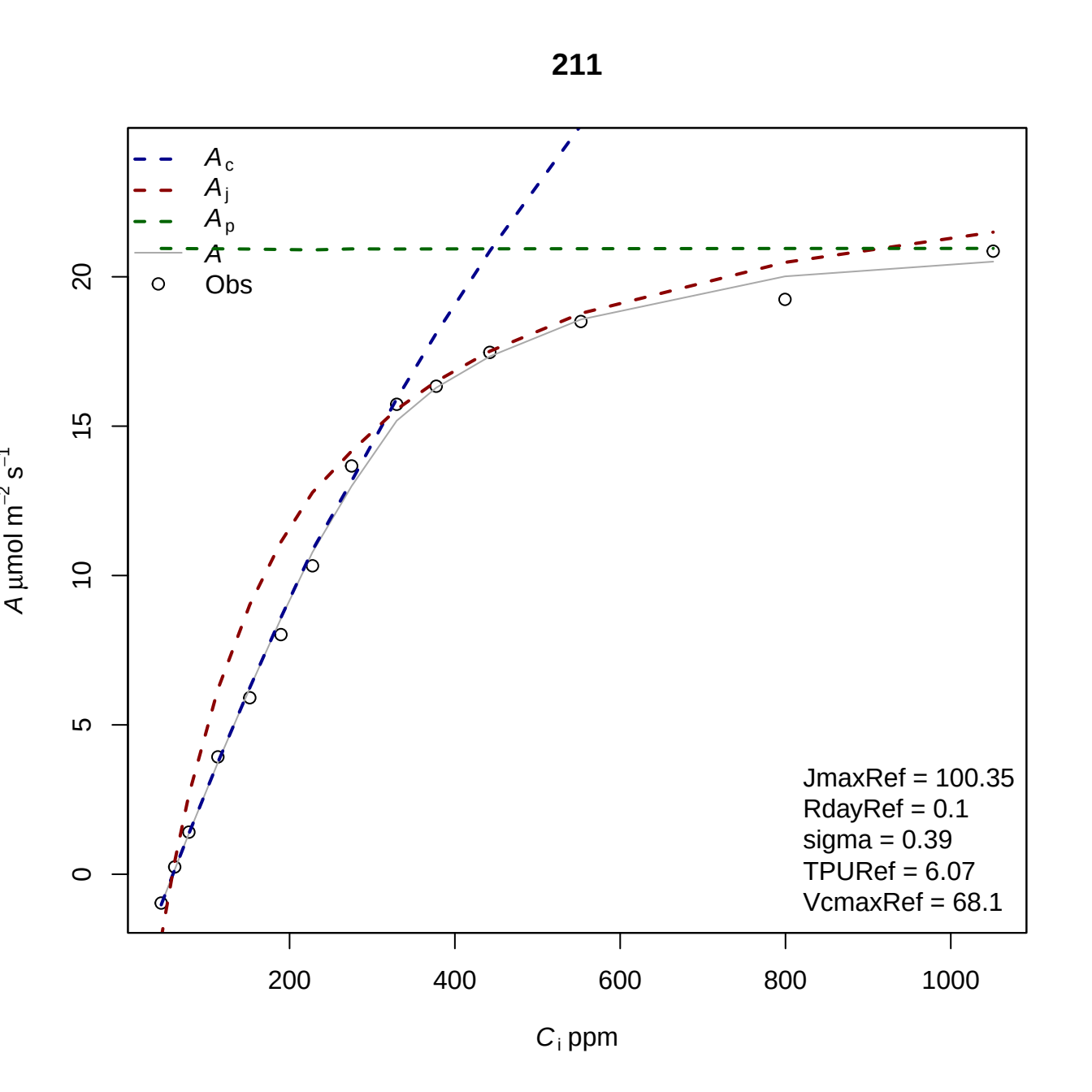

206
A_c
A_j
A_p
A
Obs
JmaxRef = 99.02
RdayRef = 0.85
sigma = 0.3
TPURef = 6.51
VcmaxRef = 36.33
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

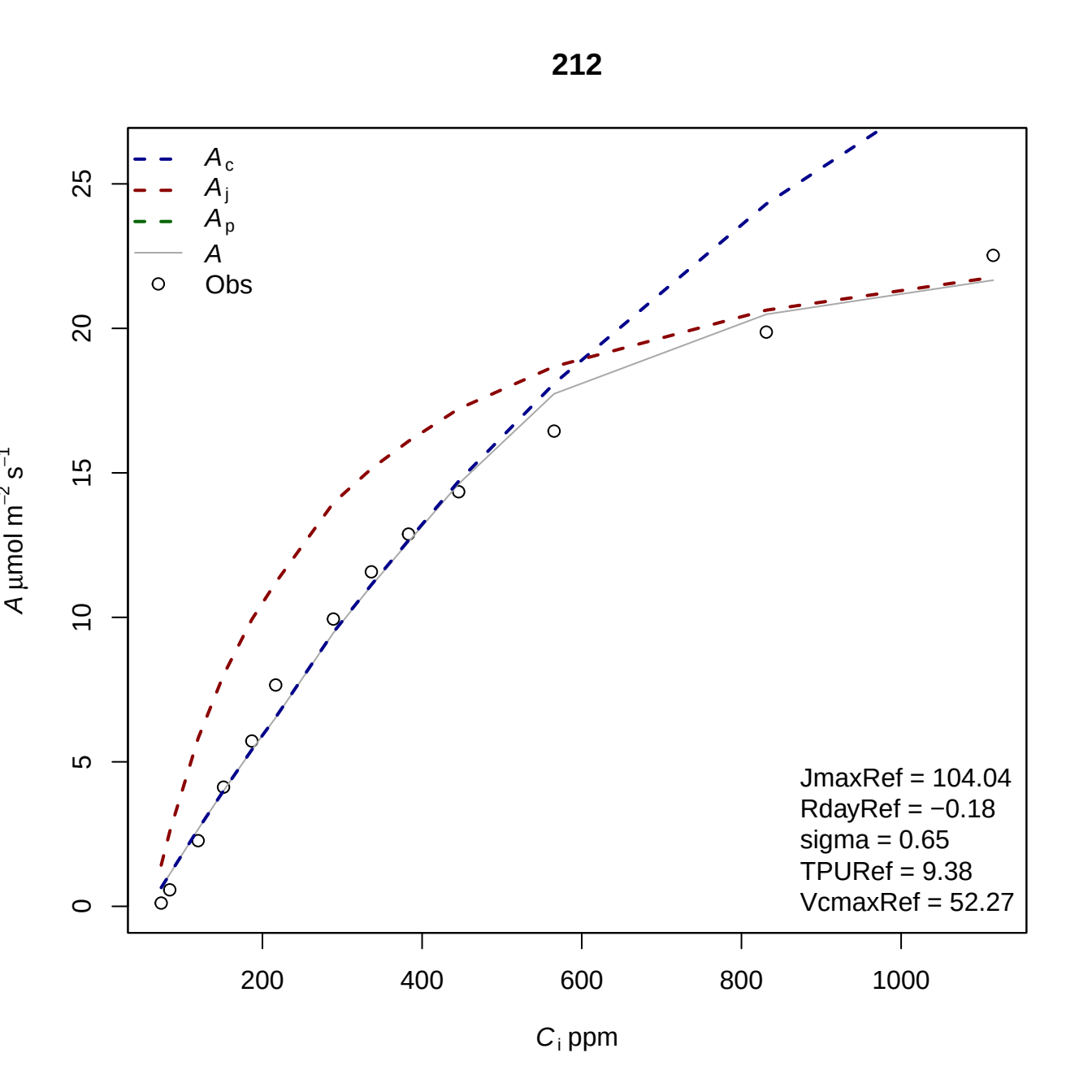

207
A_c
A_j
A_p
A
Obs
JmaxRef = 60.96
RdayRef = 2.32
sigma = 0.17
TPURef = 4.02
VcmaxRef = 20.64
0
5
10
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

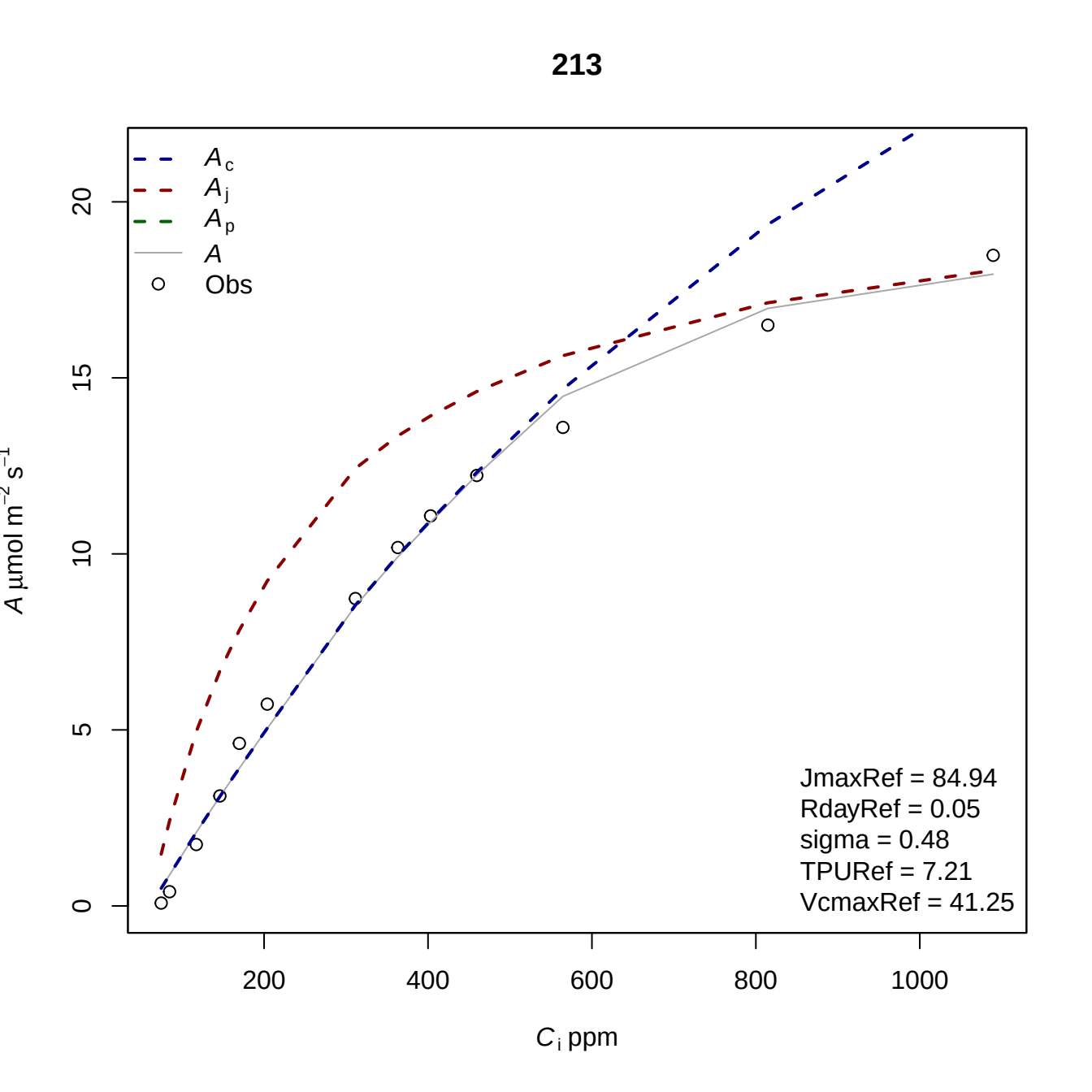

208
A_c
A_j
A_p
A
Obs
JmaxRef = 138.99
RdayRef = 0.47
sigma = 0.59
TPURef = 133796.63
VcmaxRef = 80.22
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200

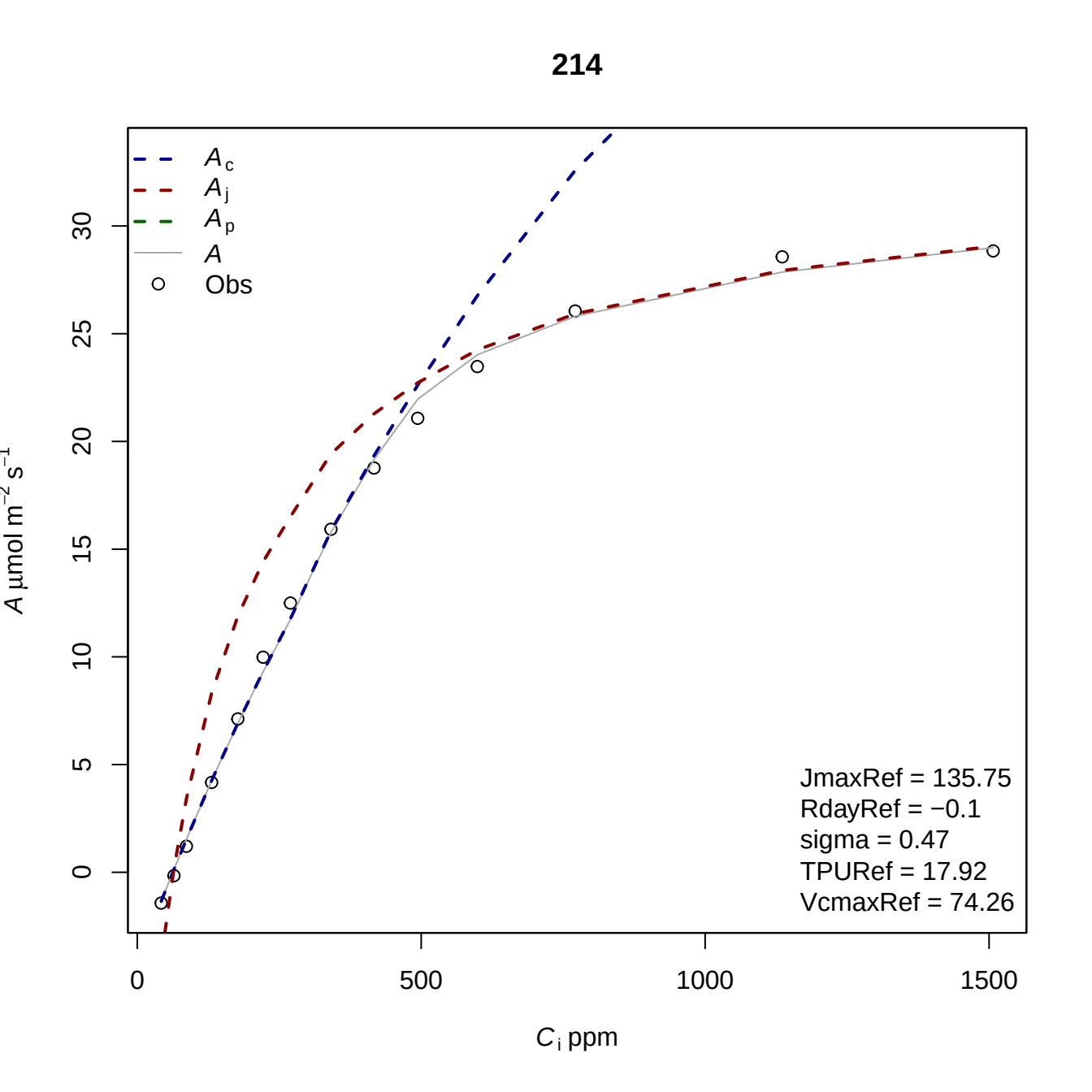

209
A_c
A_j
A_p
A
Obs
JmaxRef = 189.36
RdayRef = −0.43
sigma = 0.64
TPURef = 24.73
VcmaxRef = 101.66
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000

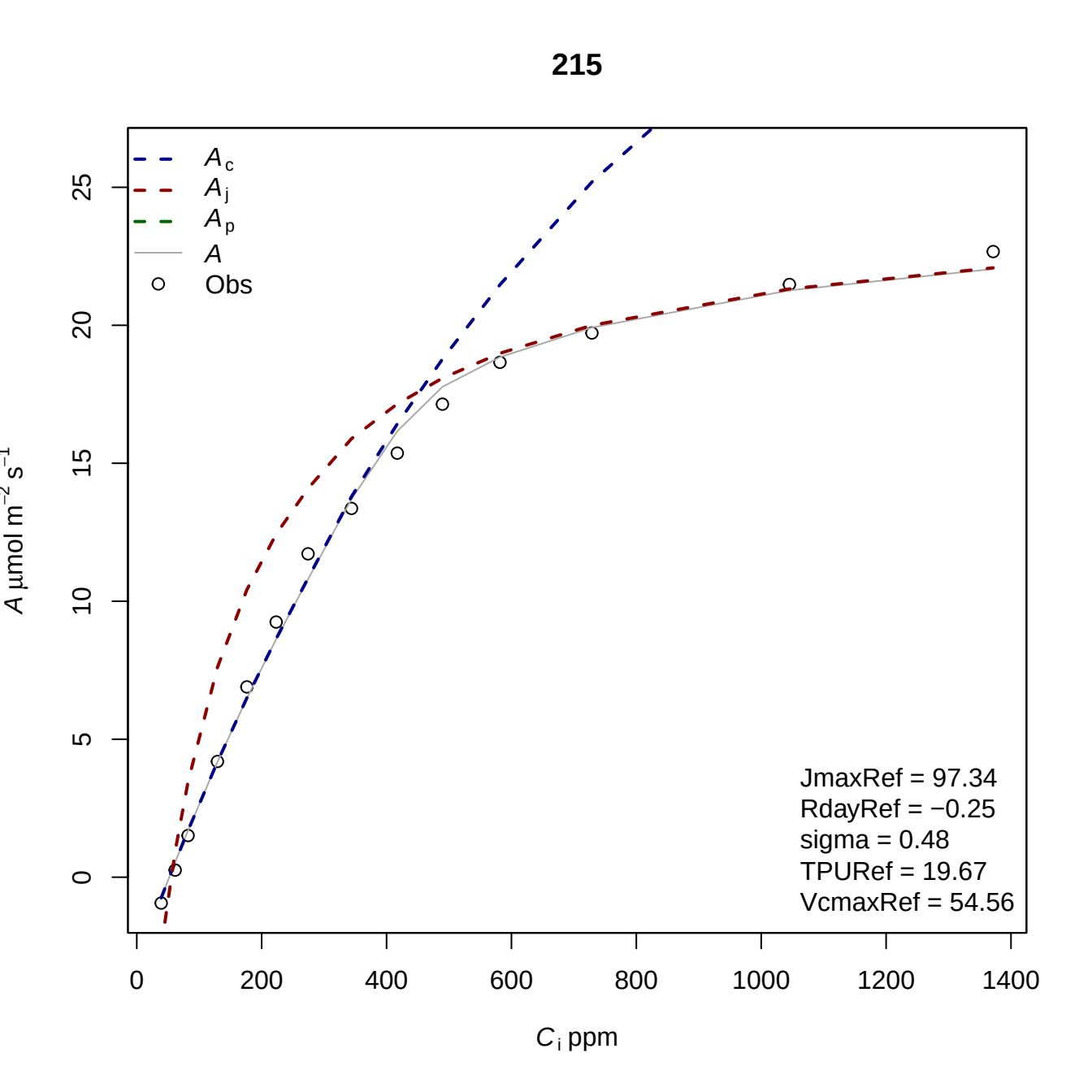

210
A_c
A_j
A_p
A
Obs
JmaxRef = 87.28
RdayRef = 0.27
sigma = 0.39
TPURef = 8630.5
VcmaxRef = 53.58
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

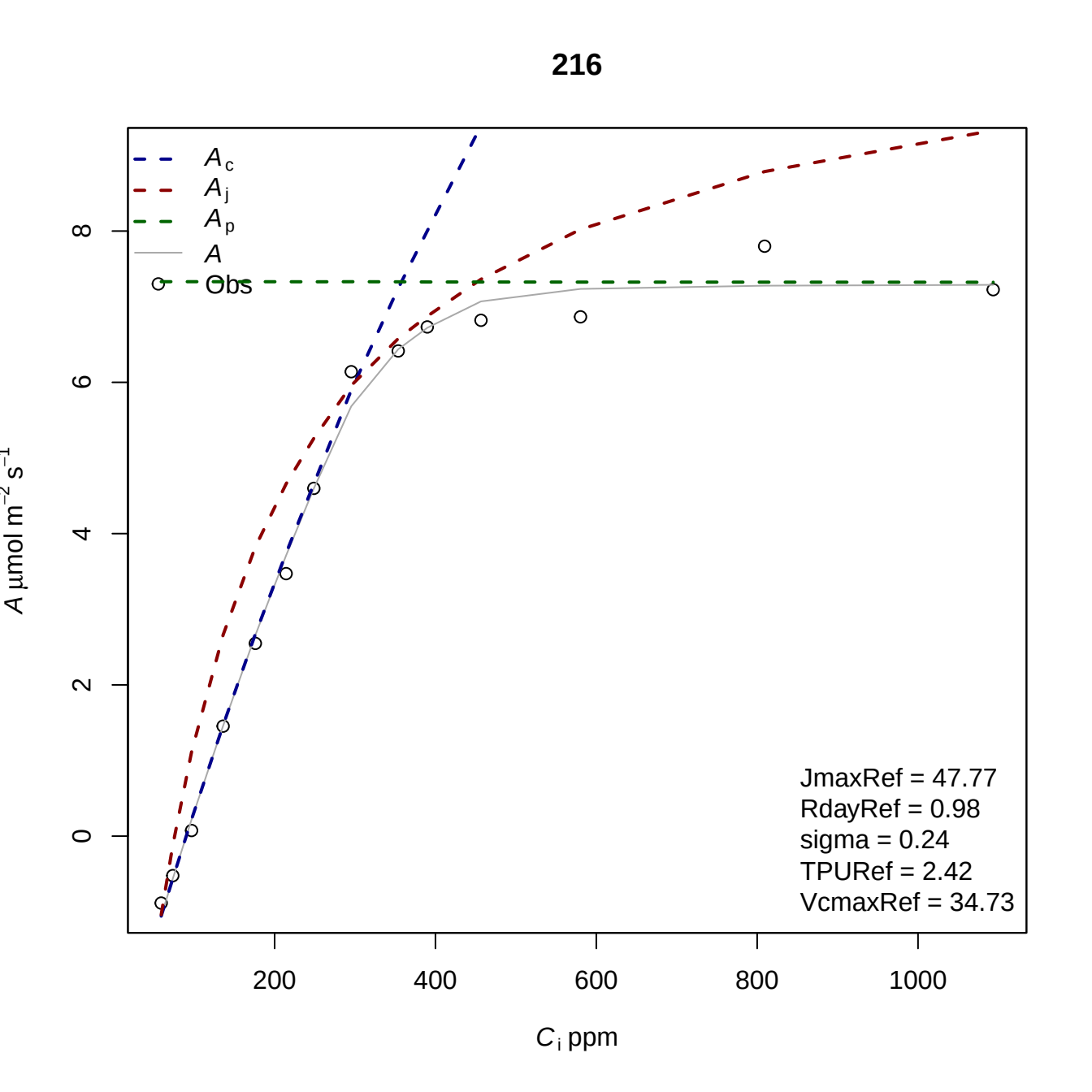

211
A_c
A_j
A_p
A
Obs
JmaxRef = 100.35
RdayRef = 0.1
sigma = 0.39
TPURef = 6.07
VcmaxRef = 68.1
0
5
10
15
20
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

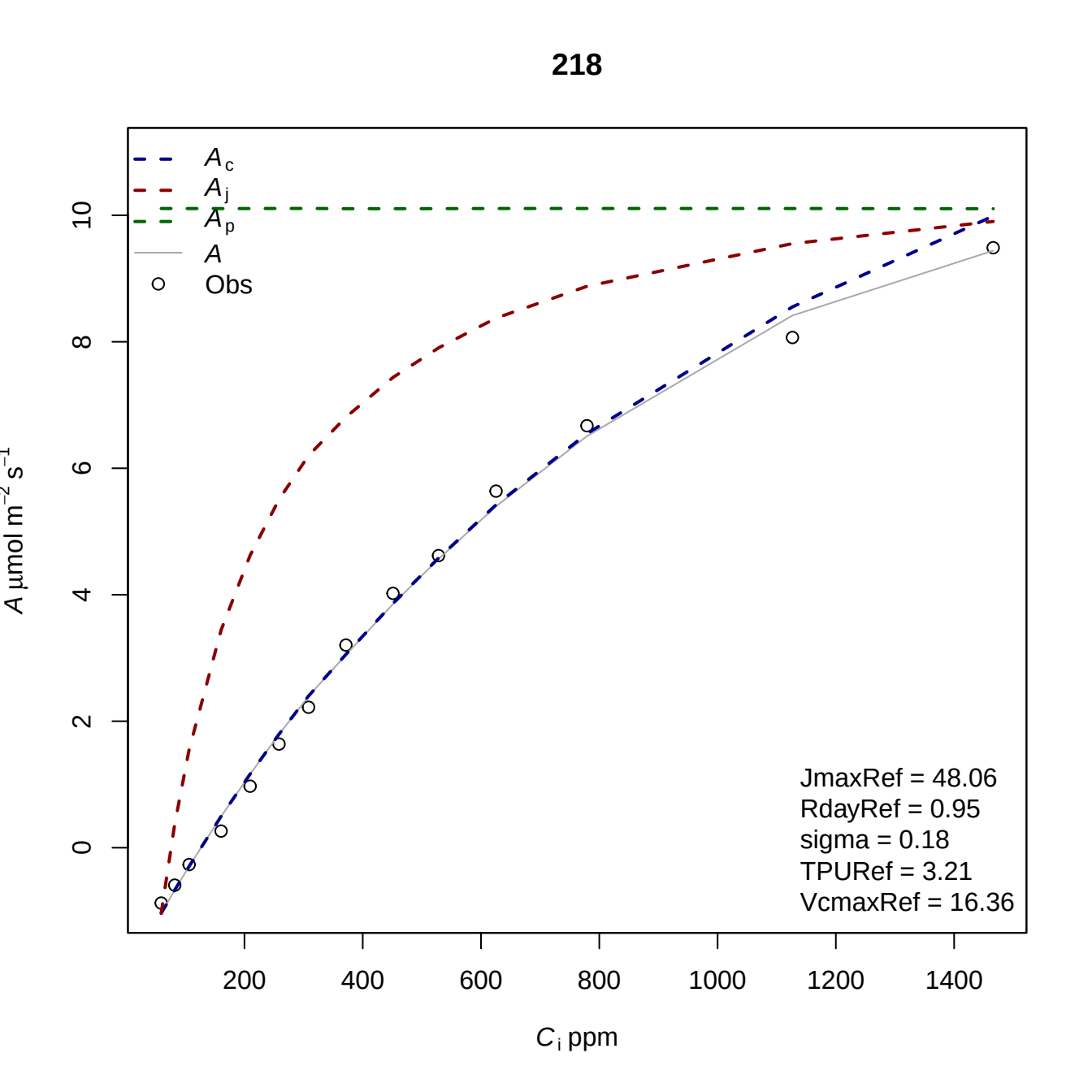

212
A_c
A_j
A_p
A
Obs
JmaxRef = 104.04
RdayRef = −0.18
sigma = 0.65
TPURef = 9.38
VcmaxRef = 52.27
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

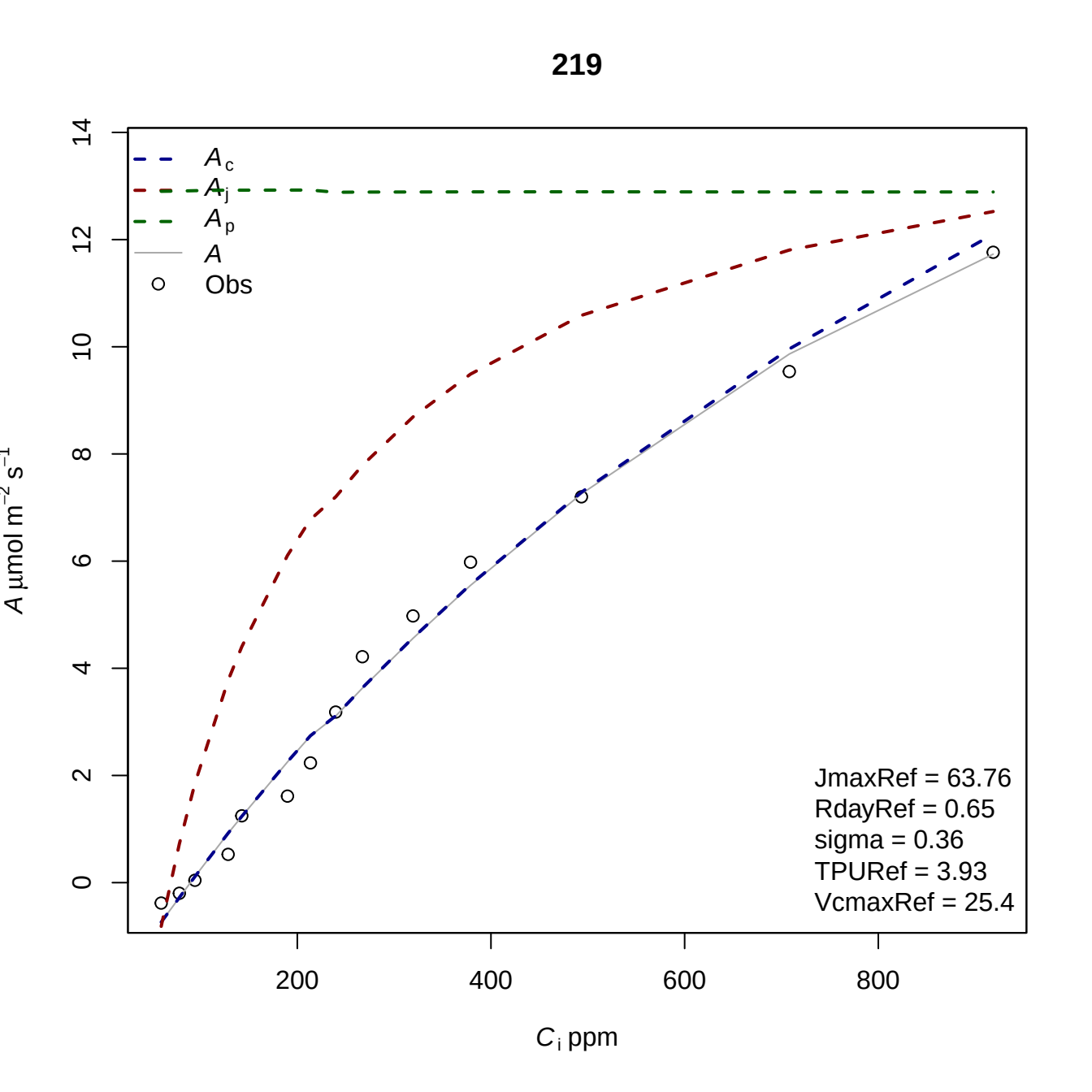

213
A_c
A_j
A_p
A
Obs
JmaxRef = 84.94
RdayRef = 0.05
sigma = 0.48
TPURef = 7.21
VcmaxRef = 41.25
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

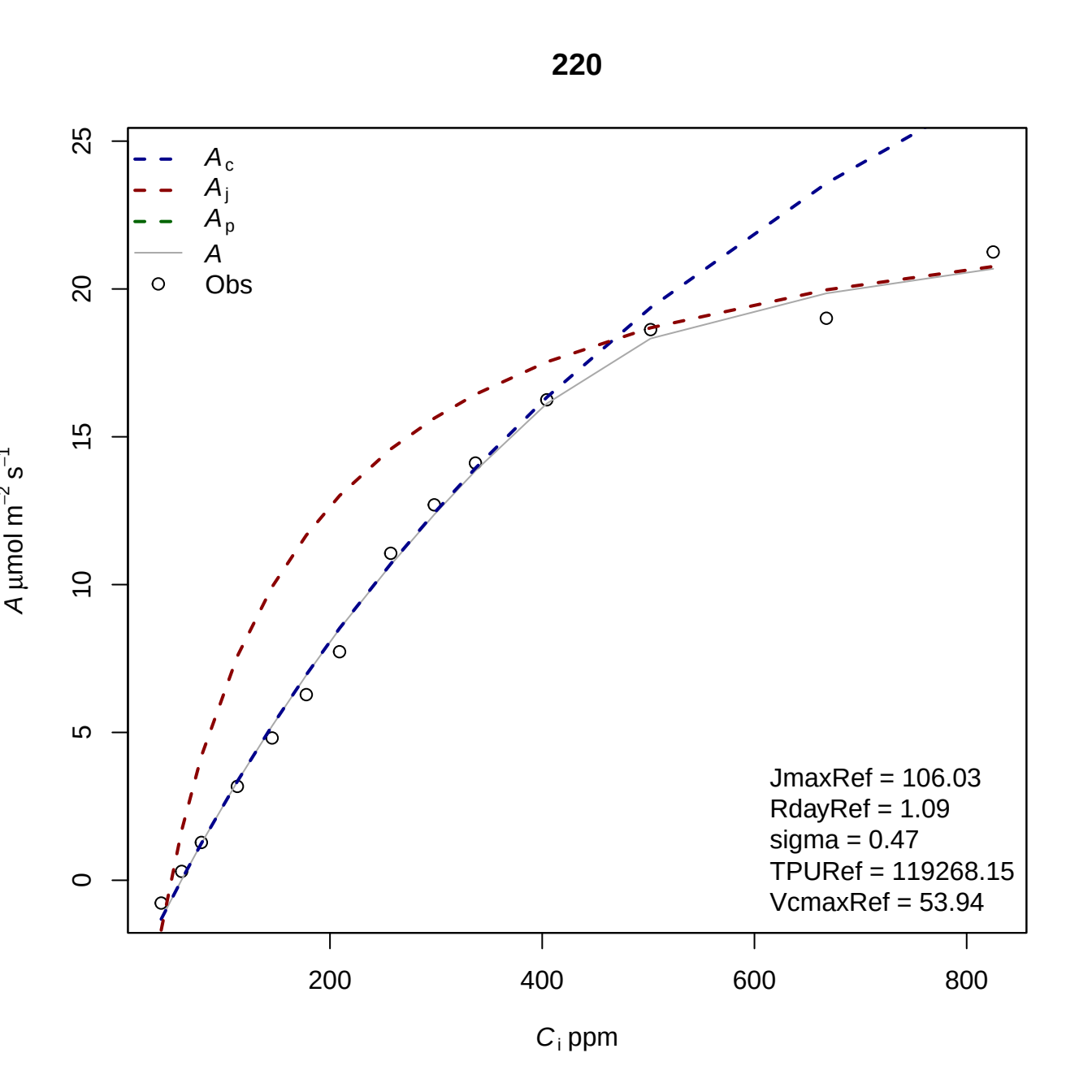

214
A_c
A_j
A_p
A
Obs
JmaxRef = 135.75
RdayRef = −0.1
sigma = 0.47
TPURef = 17.92
VcmaxRef = 74.26
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

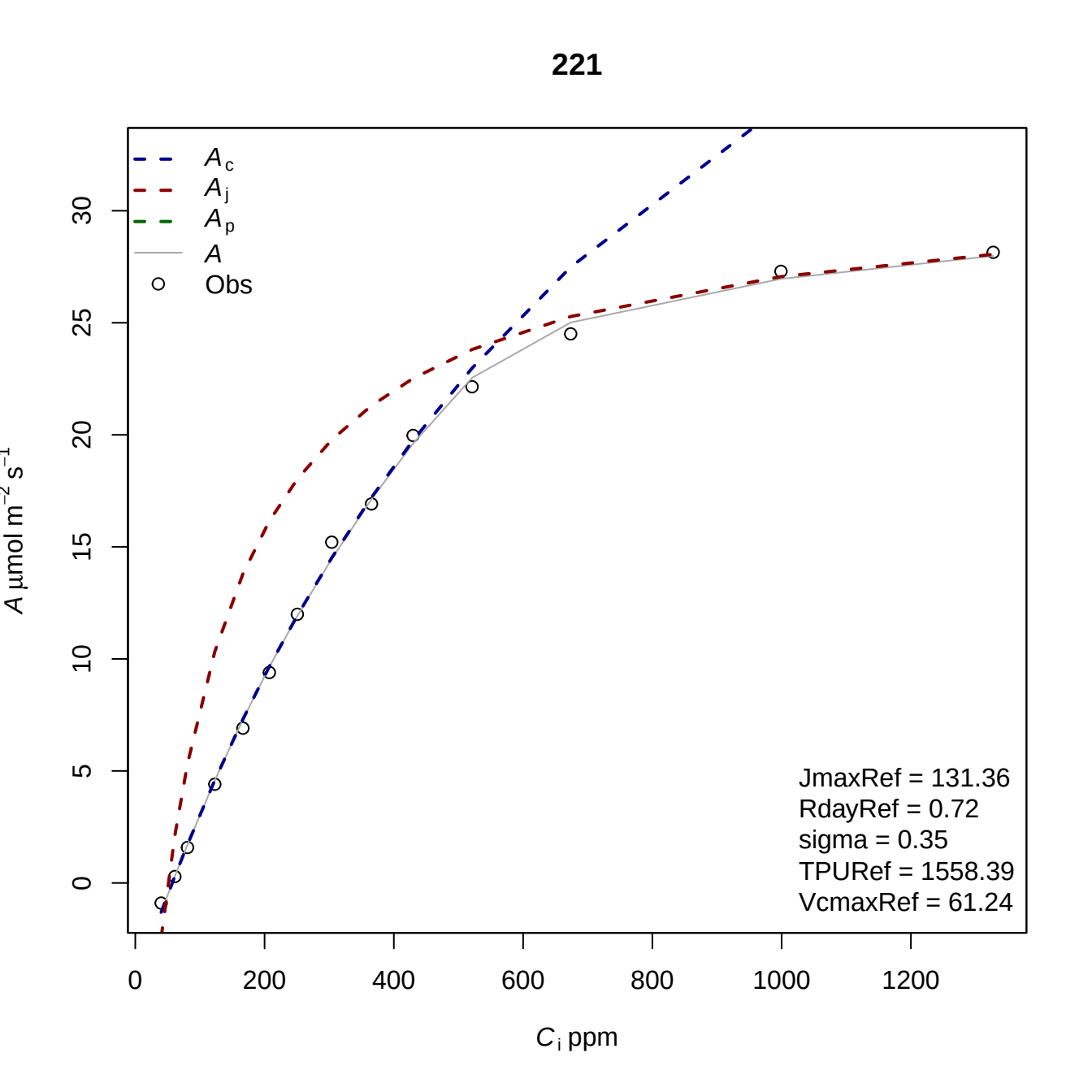

215
A_c
A_j
A_p
A
Obs
JmaxRef = 97.34
RdayRef = −0.25
sigma = 0.48
TPURef = 19.67
VcmaxRef = 54.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

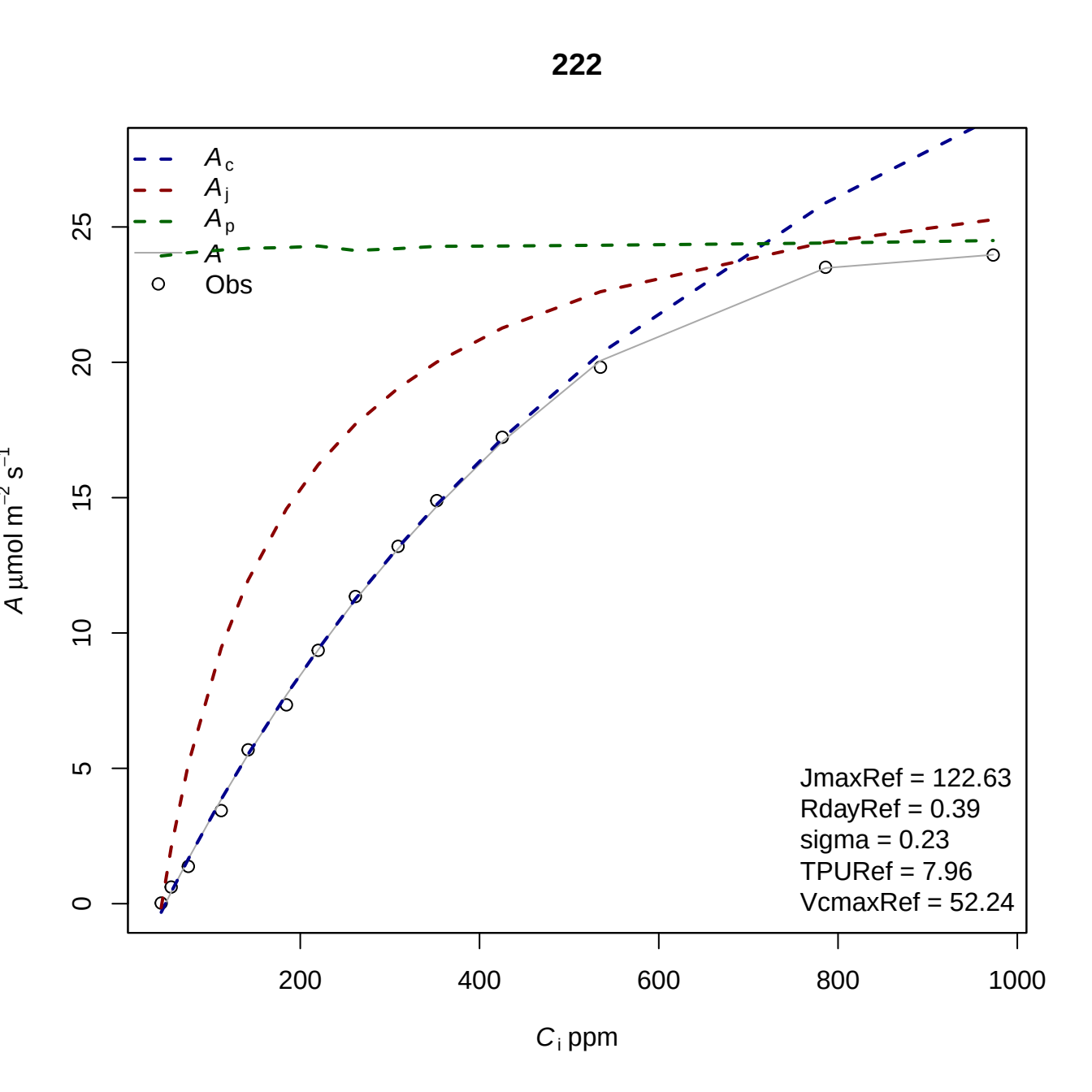

216
A_c
A_j
A_p
A
Obs
JmaxRef = 47.77
RdayRef = 0.98
sigma = 0.24
TPURef = 2.42
VcmaxRef = 34.73
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
200
400
600
800
1000

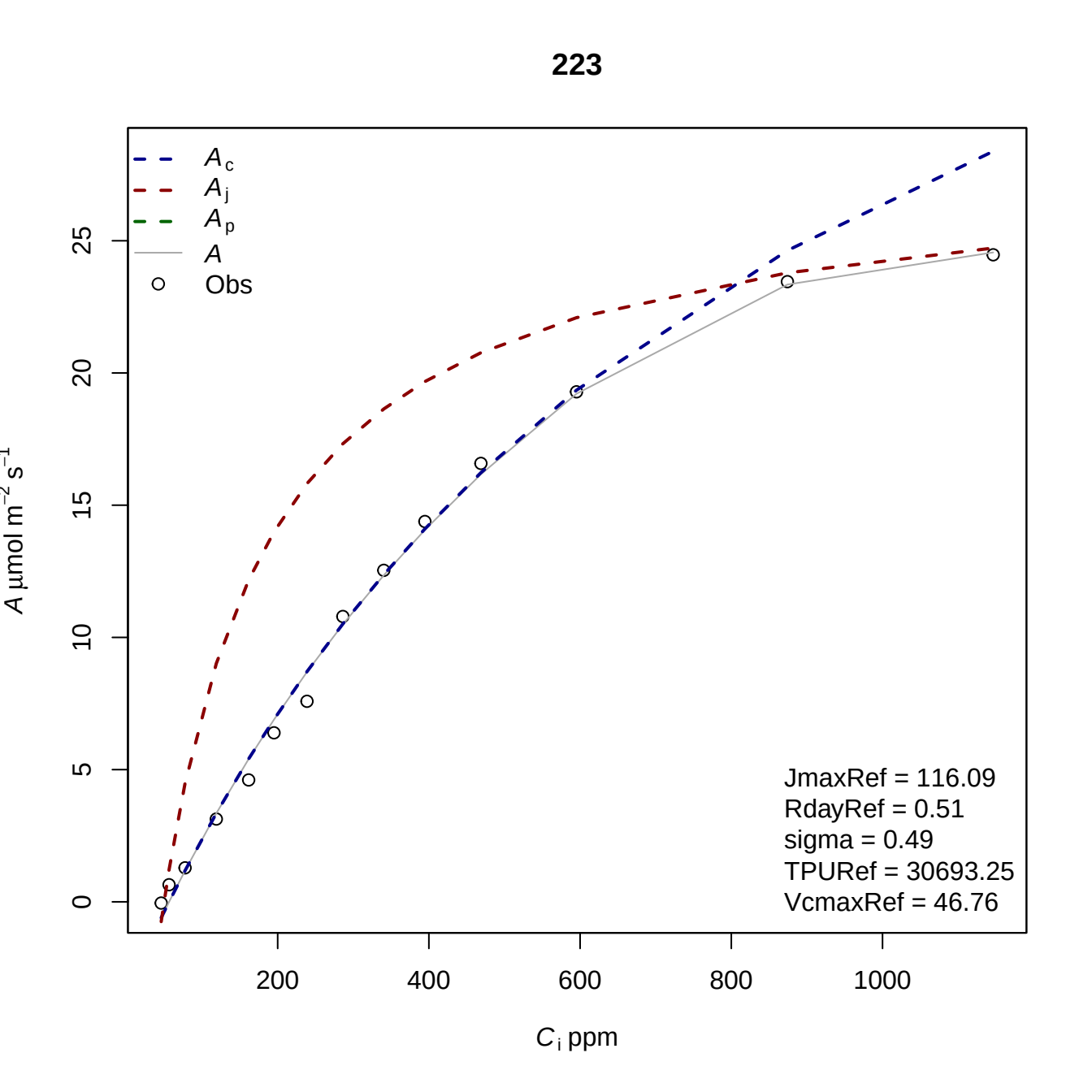

218
A_c
A_j
A_p
A
Obs
JmaxRef = 48.06
RdayRef = 0.95
sigma = 0.18
TPURef = 3.21
VcmaxRef = 16.36
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
200
400
600
800
1000
1200
1400

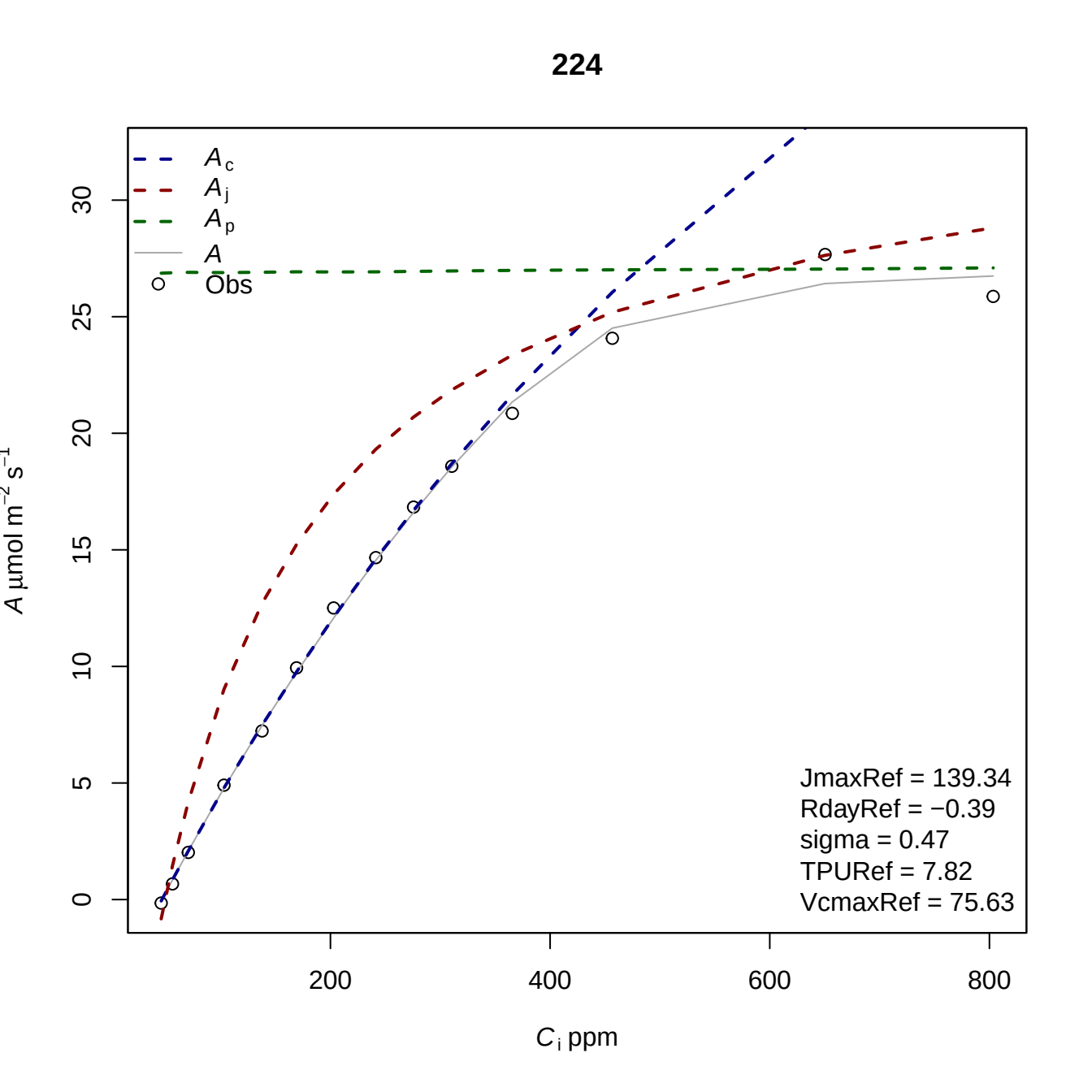

219
A_c
A_j
A_p
A
Obs
JmaxRef = 63.76
RdayRef = 0.65
sigma = 0.36
TPURef = 3.93
VcmaxRef = 25.4
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
14
200
400
600
800

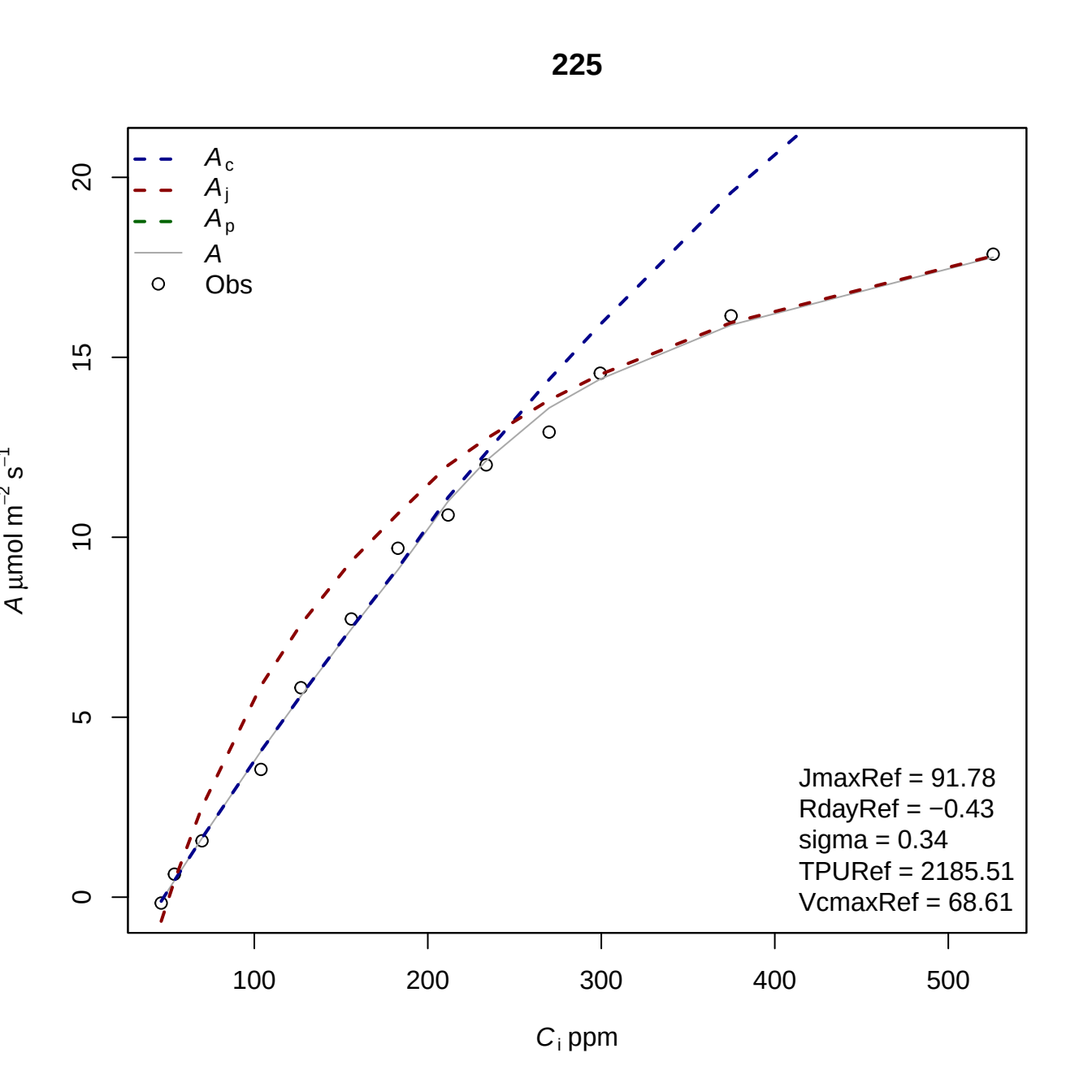

220
A_c
A_j
A_p
A
Obs
JmaxRef = 106.03
RdayRef = 1.09
sigma = 0.47
TPURef = 119268.15
VcmaxRef = 53.94
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800

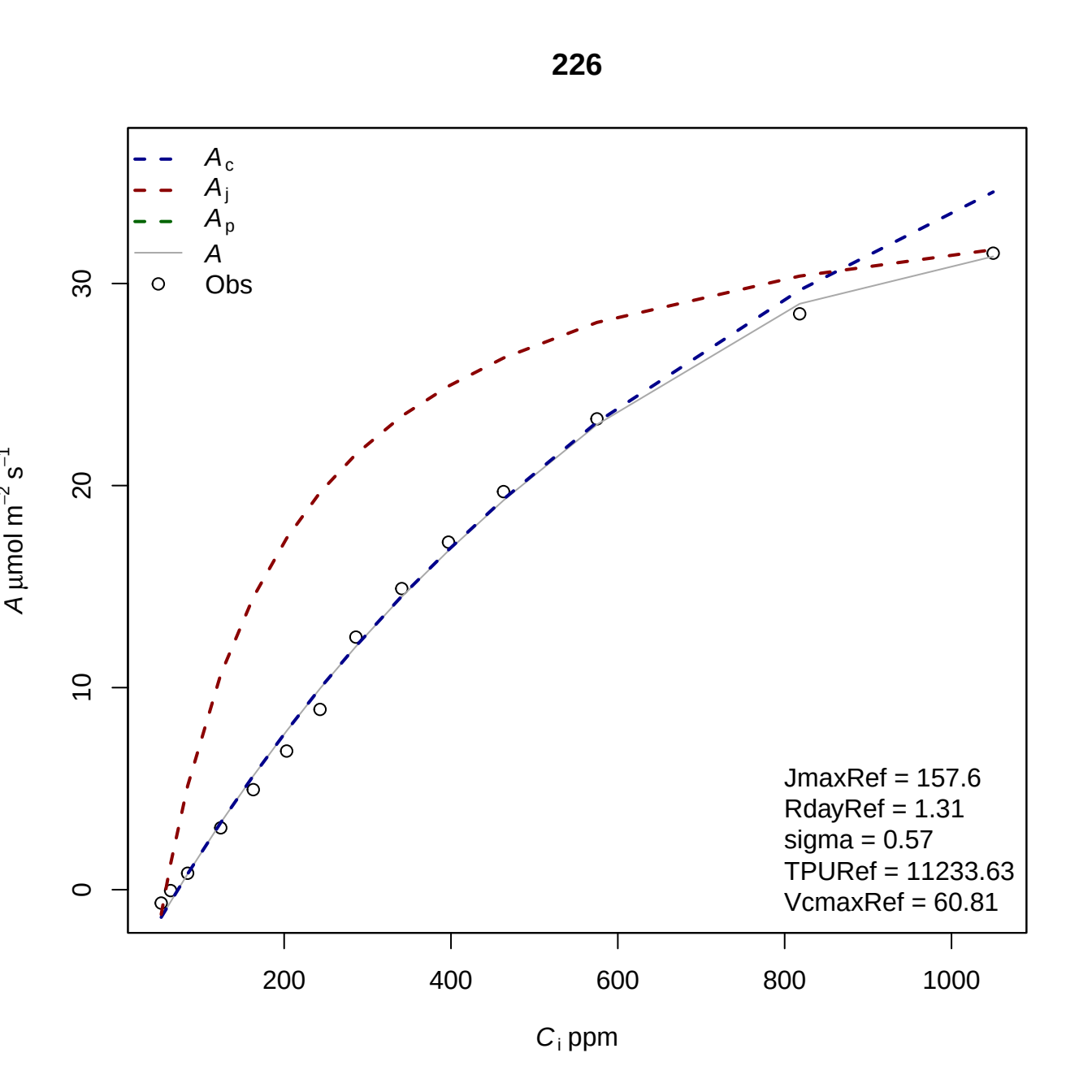

221
A_c
A_j
A_p
A
Obs
JmaxRef = 131.36
RdayRef = 0.72
sigma = 0.35
TPURef = 1558.39
VcmaxRef = 61.24
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200

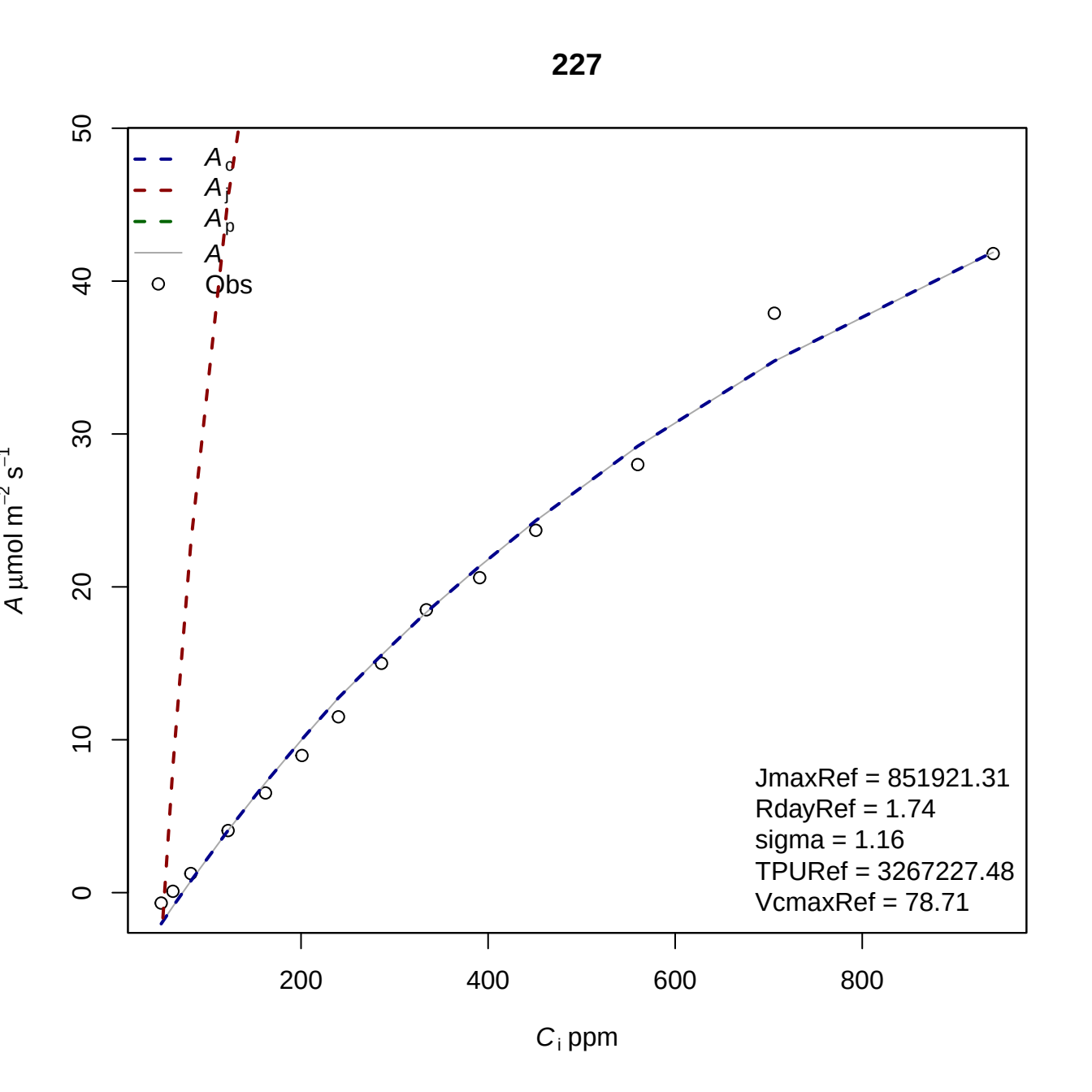

222
A_c
A_j
A_p
A
Obs
JmaxRef = 122.63
RdayRef = 0.39
sigma = 0.23
TPURef = 7.96
VcmaxRef = 52.24
0
5
10
15
20
25
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

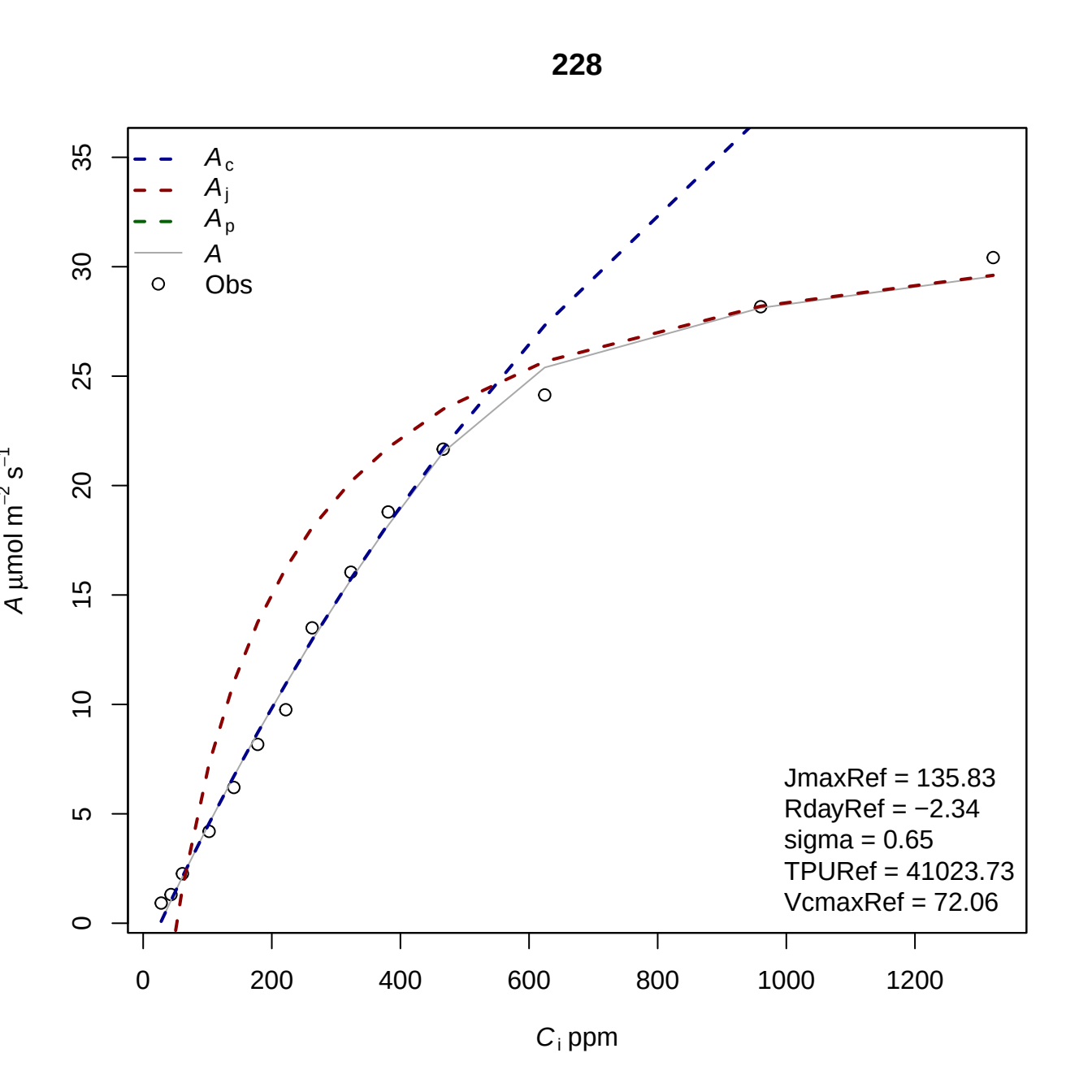

223
A_c
A_j
A_p
A
Obs
JmaxRef = 116.09
RdayRef = 0.51
sigma = 0.49
TPURef = 30693.25
VcmaxRef = 46.76
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

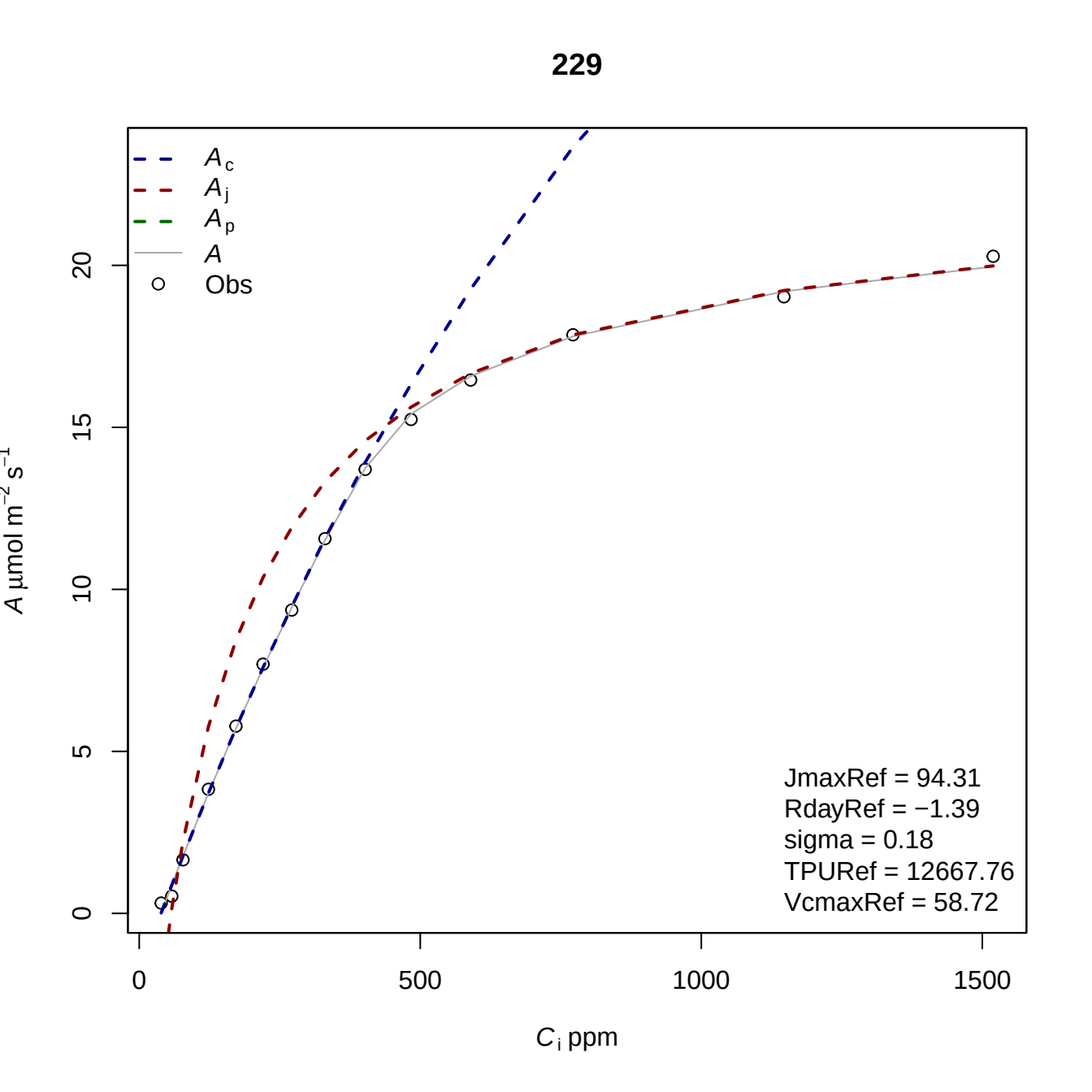

224
A_c
A_j
A_p
A
Obs
JmaxRef = 139.34
RdayRef = −0.39
sigma = 0.47
TPURef = 7.82
VcmaxRef = 75.63
A µmol m^{-2} s^{-1}
0
5
10
15
20
25
30
200
400
600
800
C_i ppm

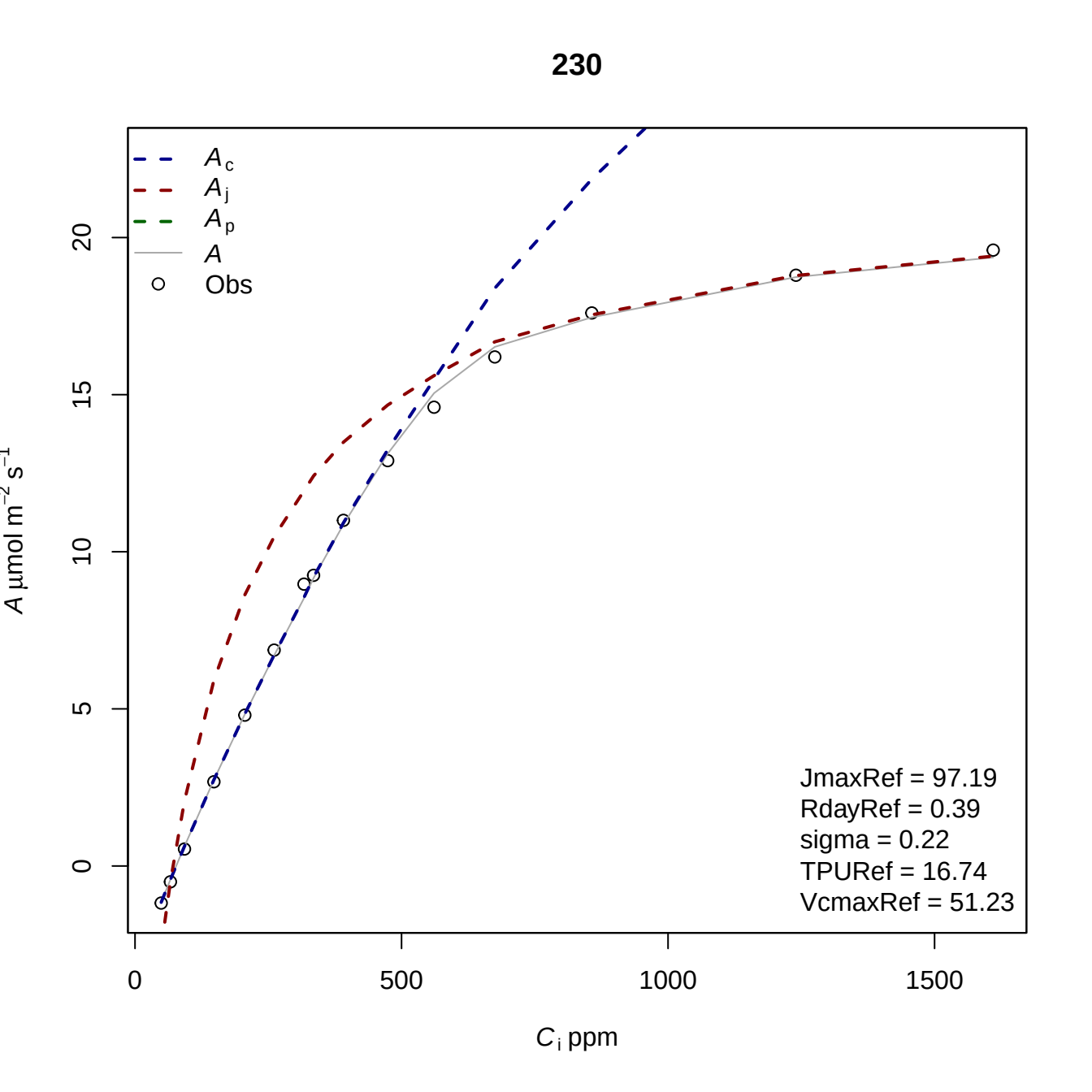

225
A_c
A_j
A_p
A
Obs
JmaxRef = 91.78
RdayRef = −0.43
sigma = 0.34
TPURef = 2185.51
VcmaxRef = 68.61
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
100
200
300
400
500

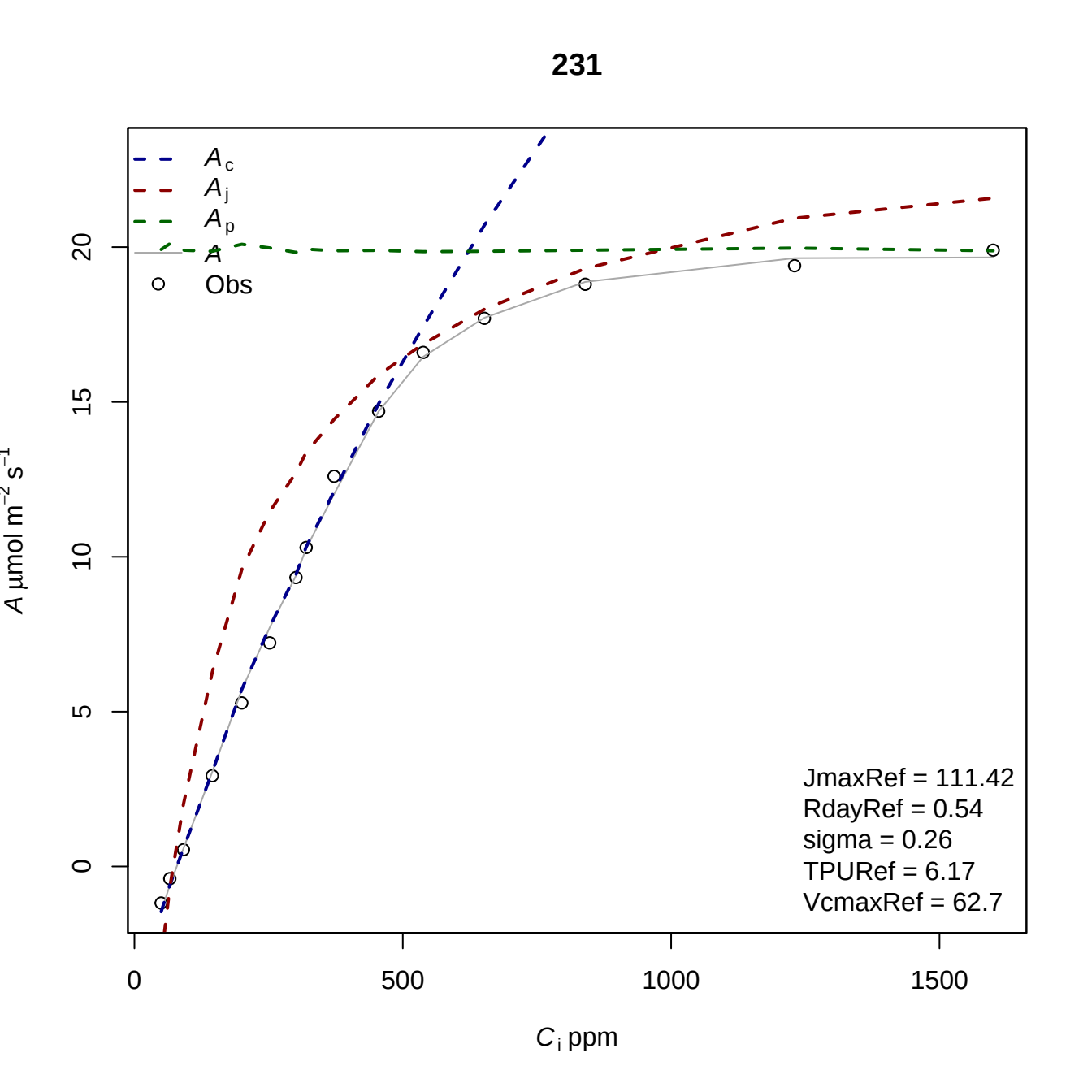

226
A_c
A_j
A_p
A
Obs
JmaxRef = 157.6
RdayRef = 1.31
sigma = 0.57
TPURef = 11233.63
VcmaxRef = 60.81
0
10
20
30
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

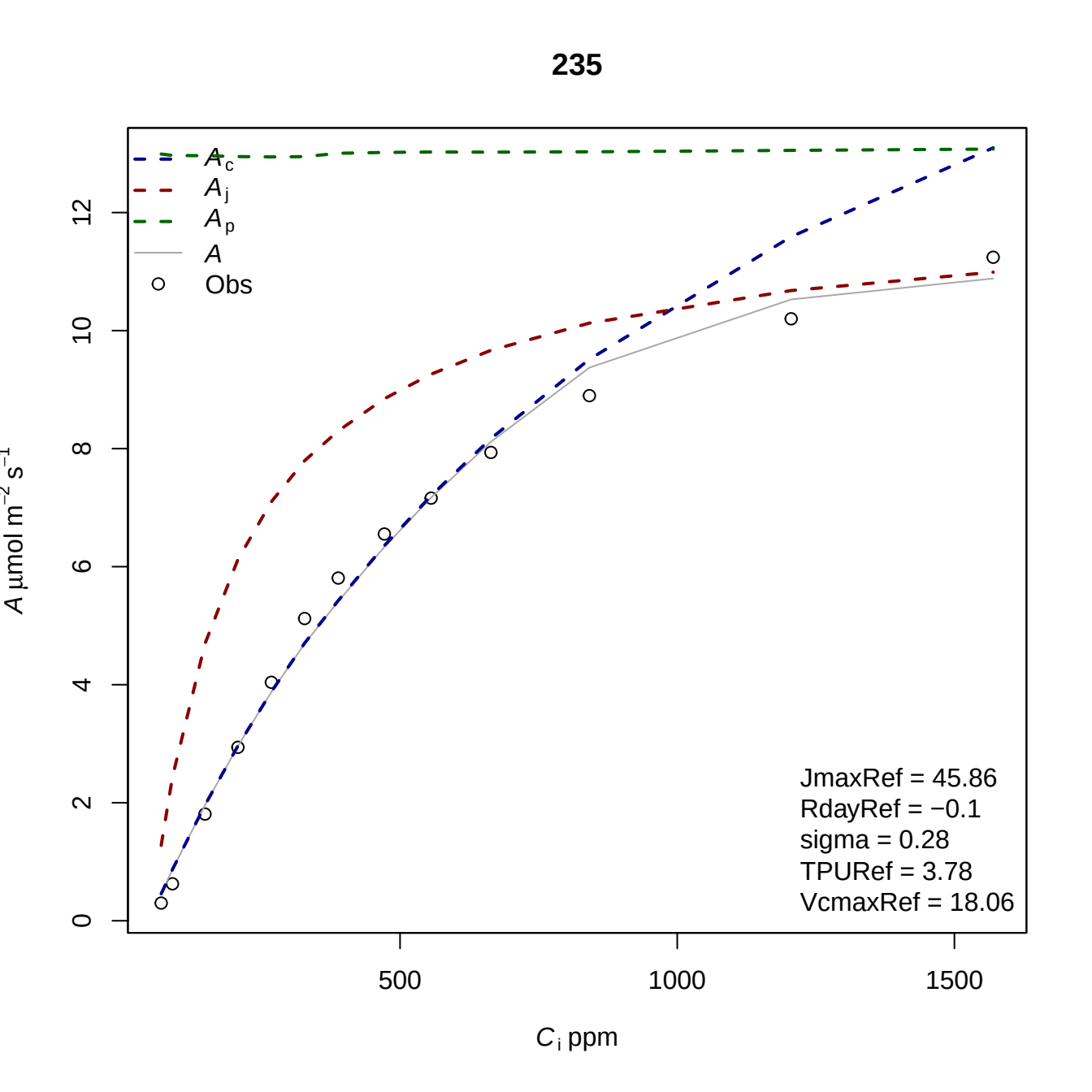

227
A_c
A_j
A_p
A
Obs
JmaxRef = 851921.31
RdayRef = 1.74
sigma = 1.16
TPURef = 3267227.48
VcmaxRef = 78.71
0
10
20
30
40
50
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

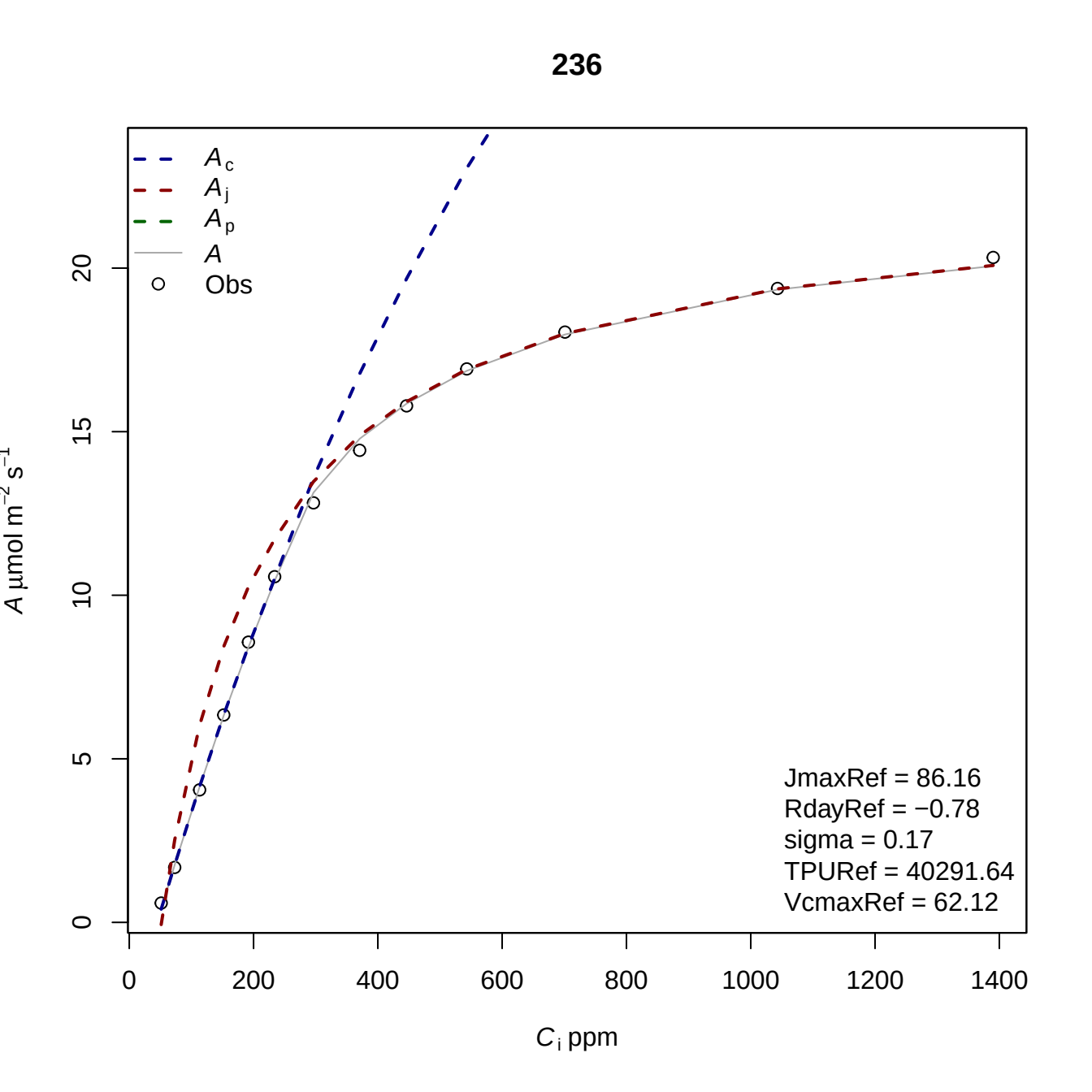

228
A_c
A_j
A_p
A
Obs
JmaxRef = 135.83
RdayRef = −2.34
sigma = 0.65
TPURef = 41023.73
VcmaxRef = 72.06
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200

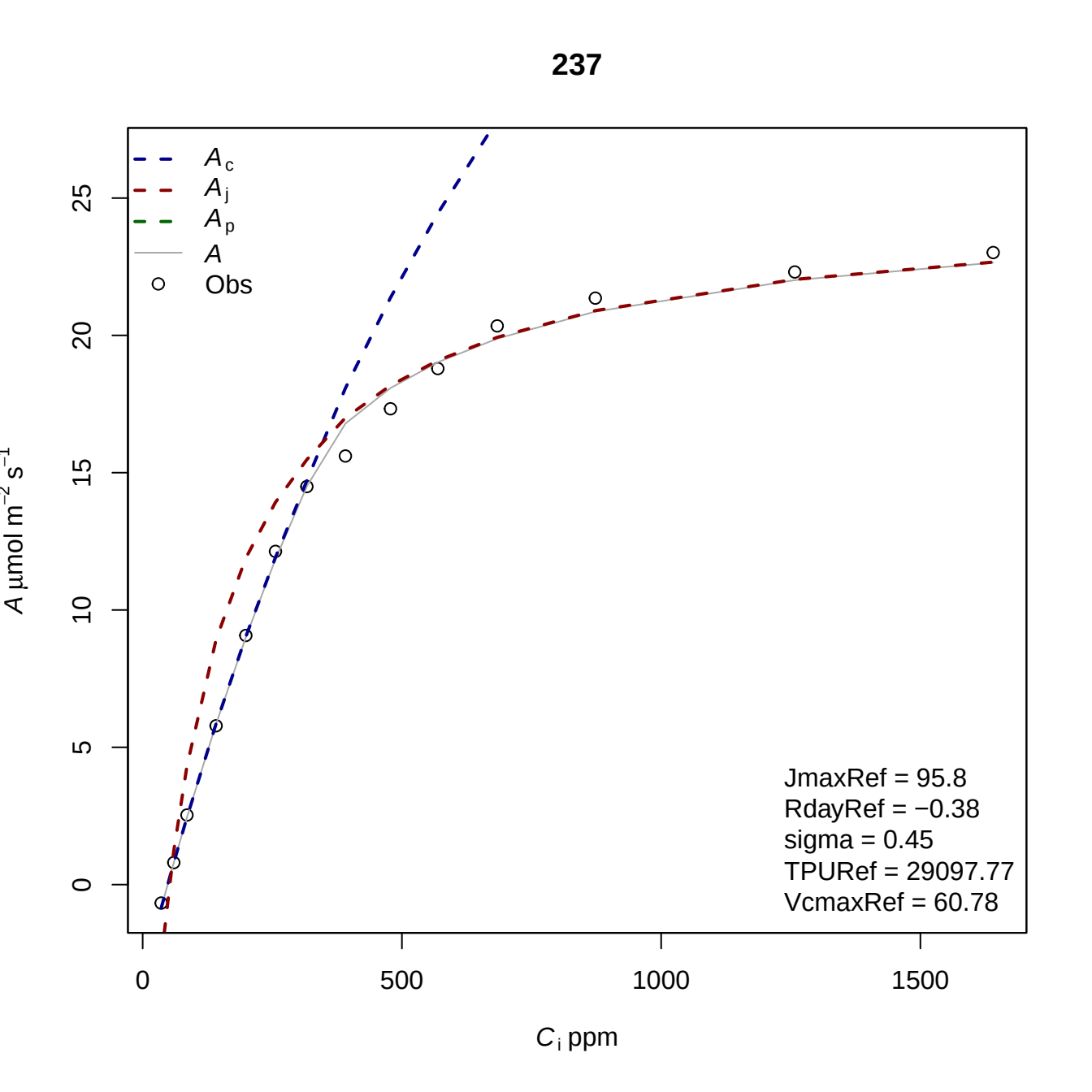

229
A_c
A_j
A_p
A
Obs
JmaxRef = 94.31
RdayRef = −1.39
sigma = 0.18
TPURef = 12667.76
VcmaxRef = 58.72
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

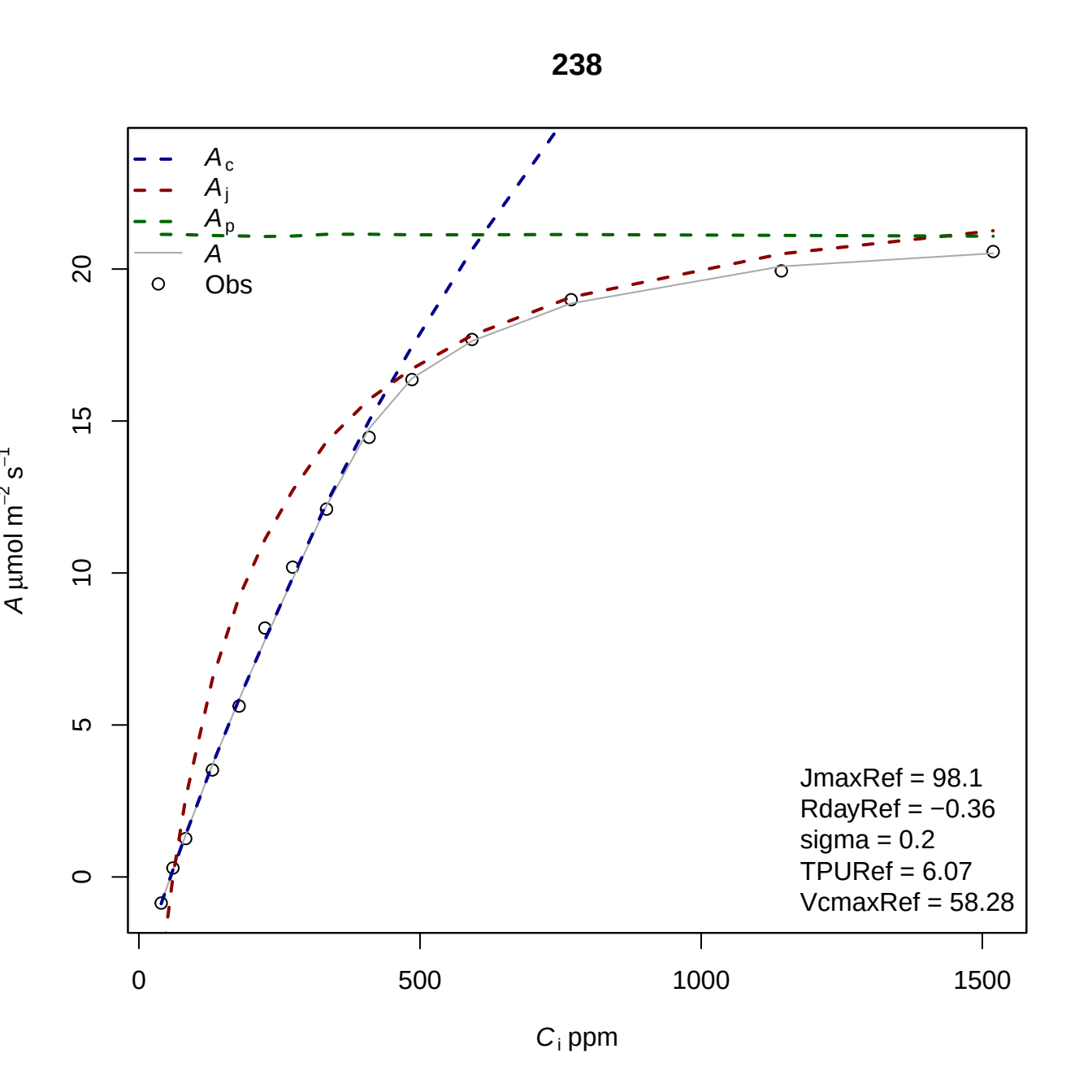

230
A_c
A_j
A_p
A
Obs
JmaxRef = 97.19
RdayRef = 0.39
sigma = 0.22
TPURef = 16.74
VcmaxRef = 51.23
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

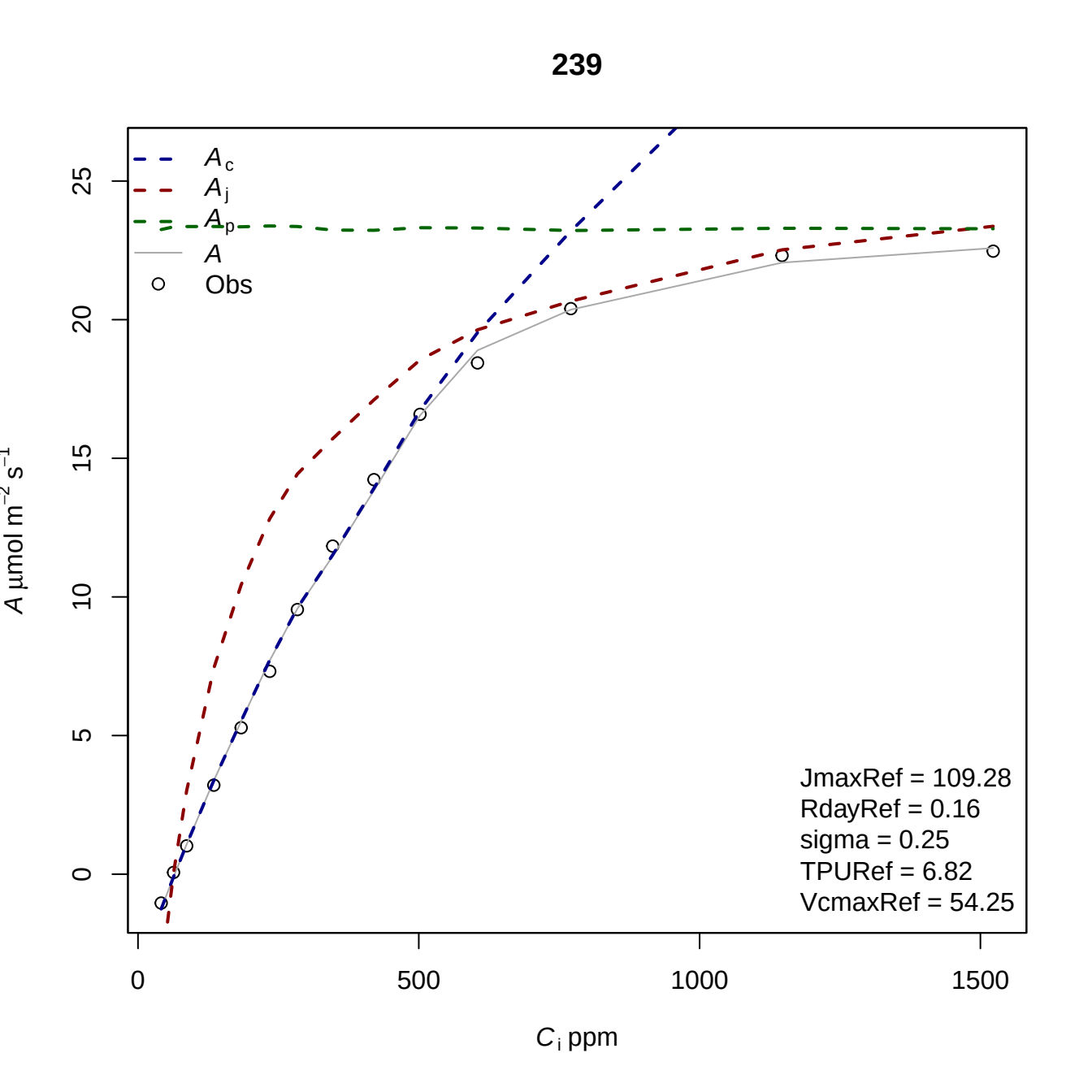

231
A_c
A_j
A_p
A
Obs
JmaxRef = 111.42
RdayRef = 0.54
sigma = 0.26
TPURef = 6.17
VcmaxRef = 62.7
0
5
10
15
20
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

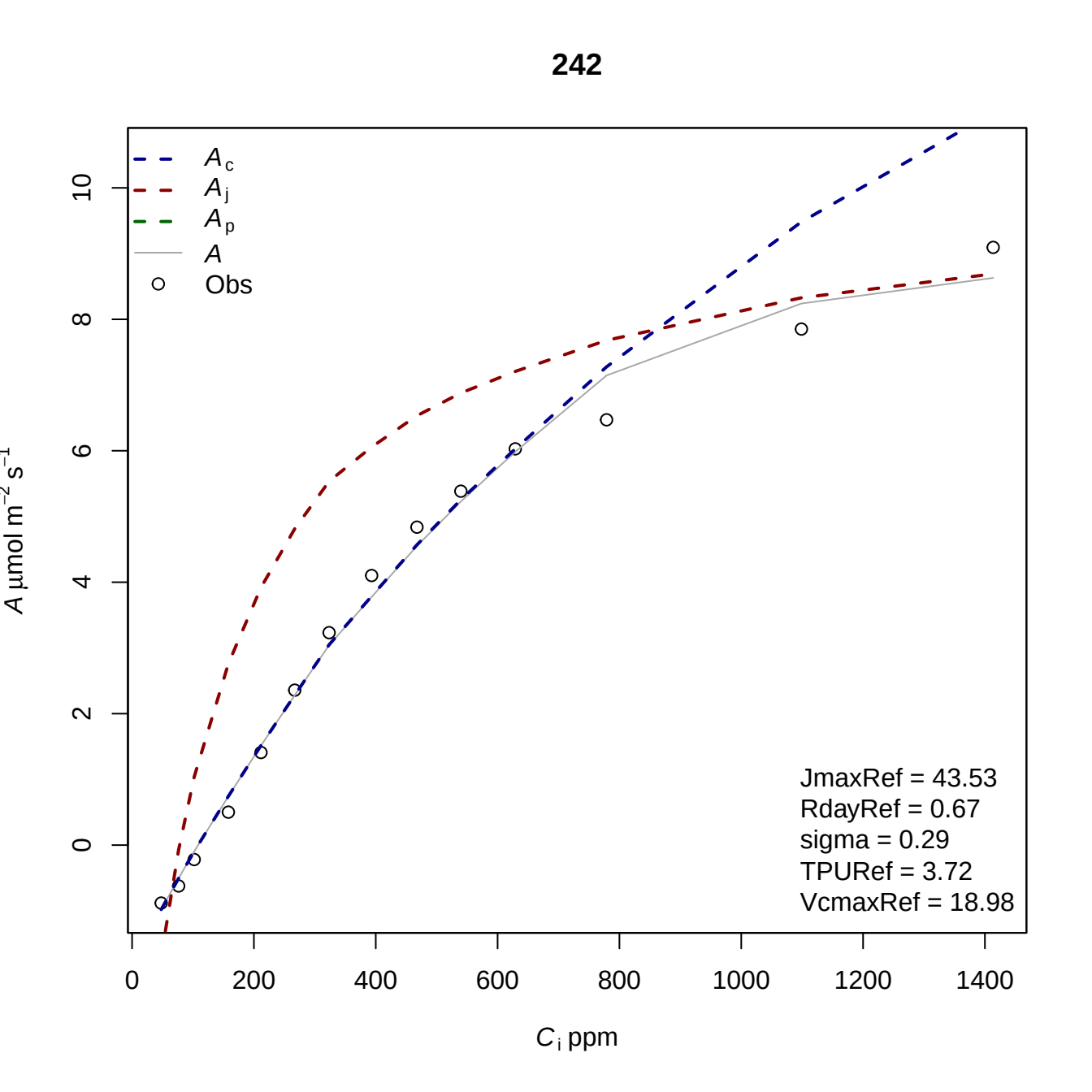

235
A_c
A_j
A_p
A
Obs
JmaxRef = 45.86
RdayRef = −0.1
sigma = 0.28
TPURef = 3.78
VcmaxRef = 18.06
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
500
1000
1500

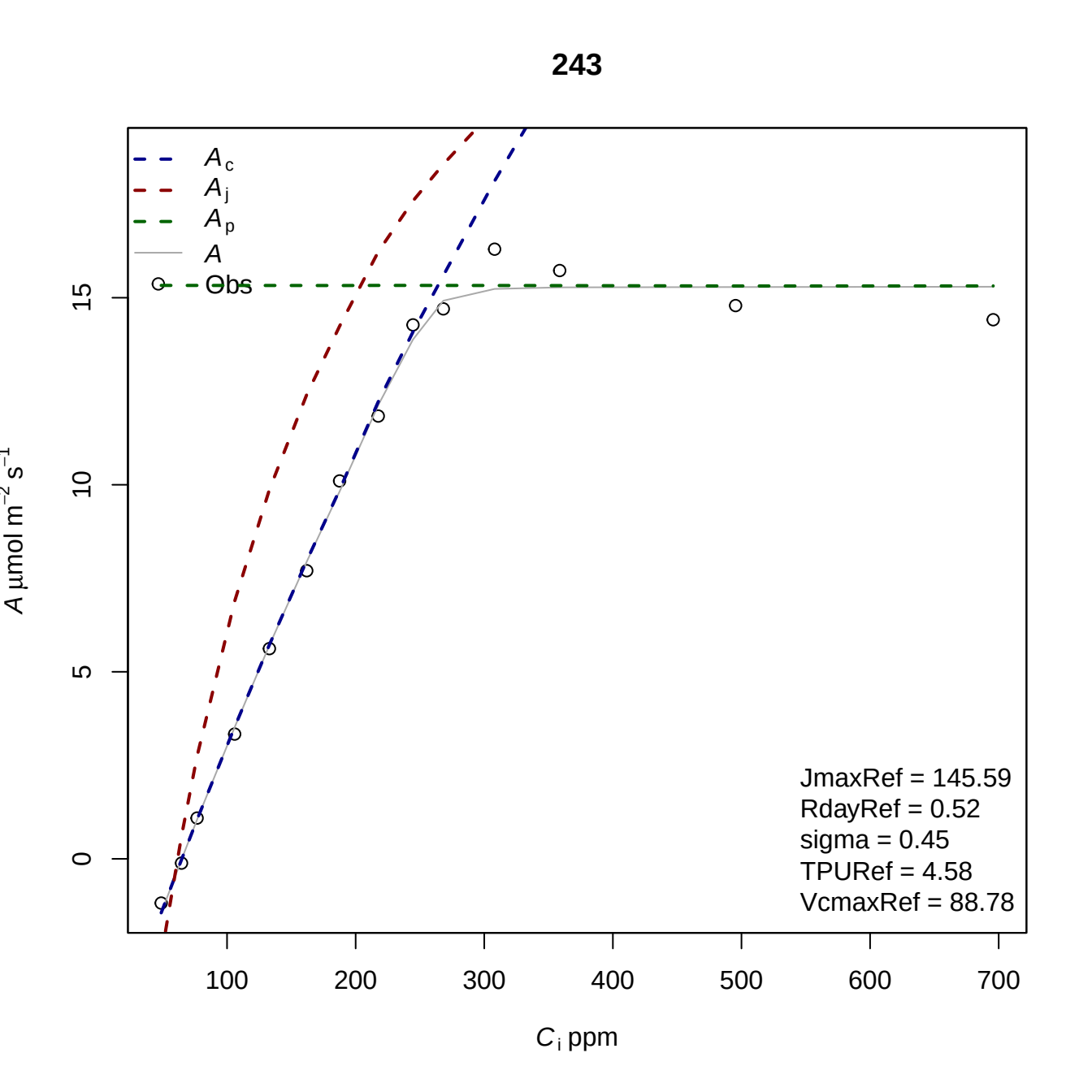

236
A_c
A_j
A_p
A
Obs
JmaxRef = 86.16
RdayRef = −0.78
sigma = 0.17
TPURef = 40291.64
VcmaxRef = 62.12
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

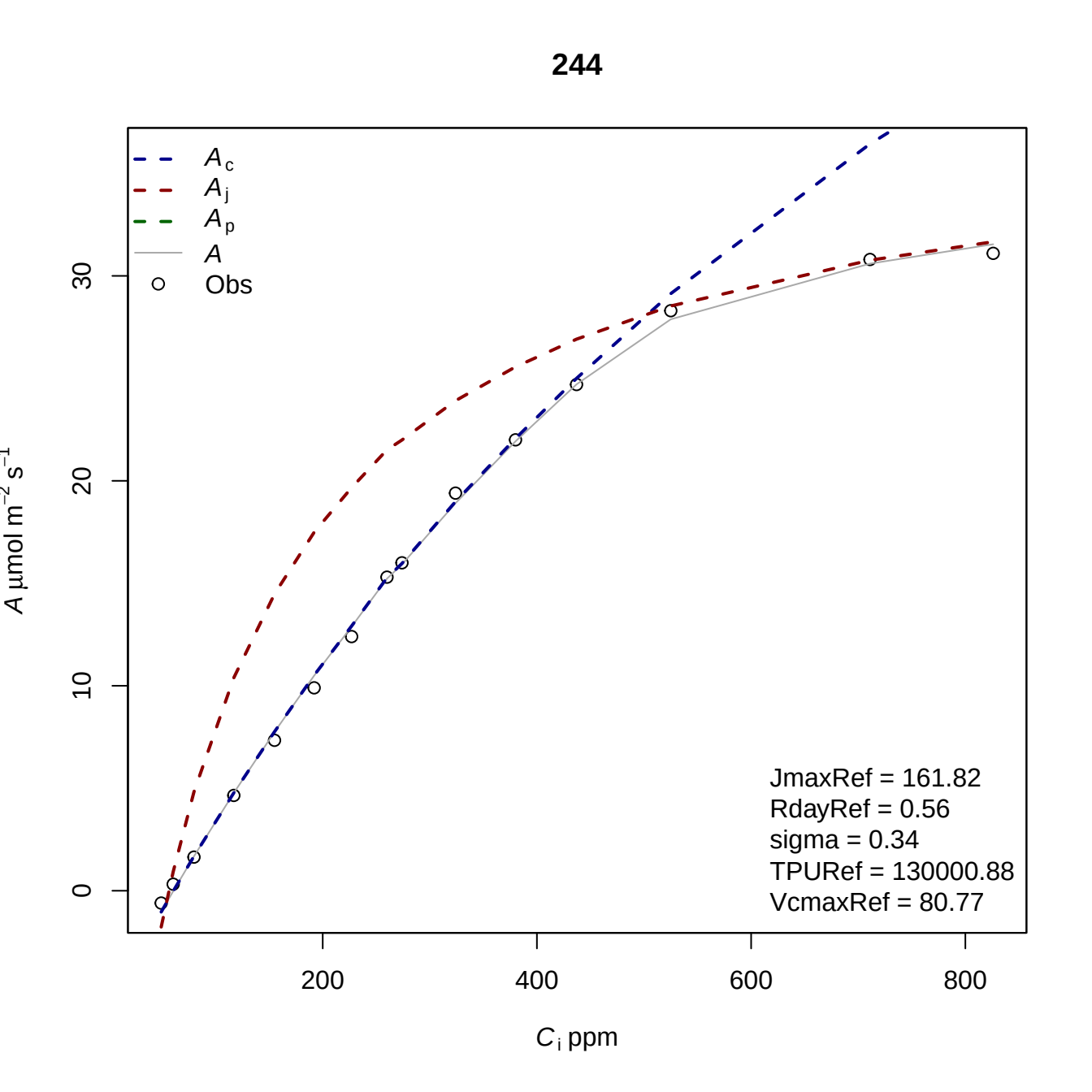

237
A_c
A_j
A_p
A
Obs
JmaxRef = 95.8
RdayRef = −0.38
sigma = 0.45
TPURef = 29097.77
VcmaxRef = 60.78
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

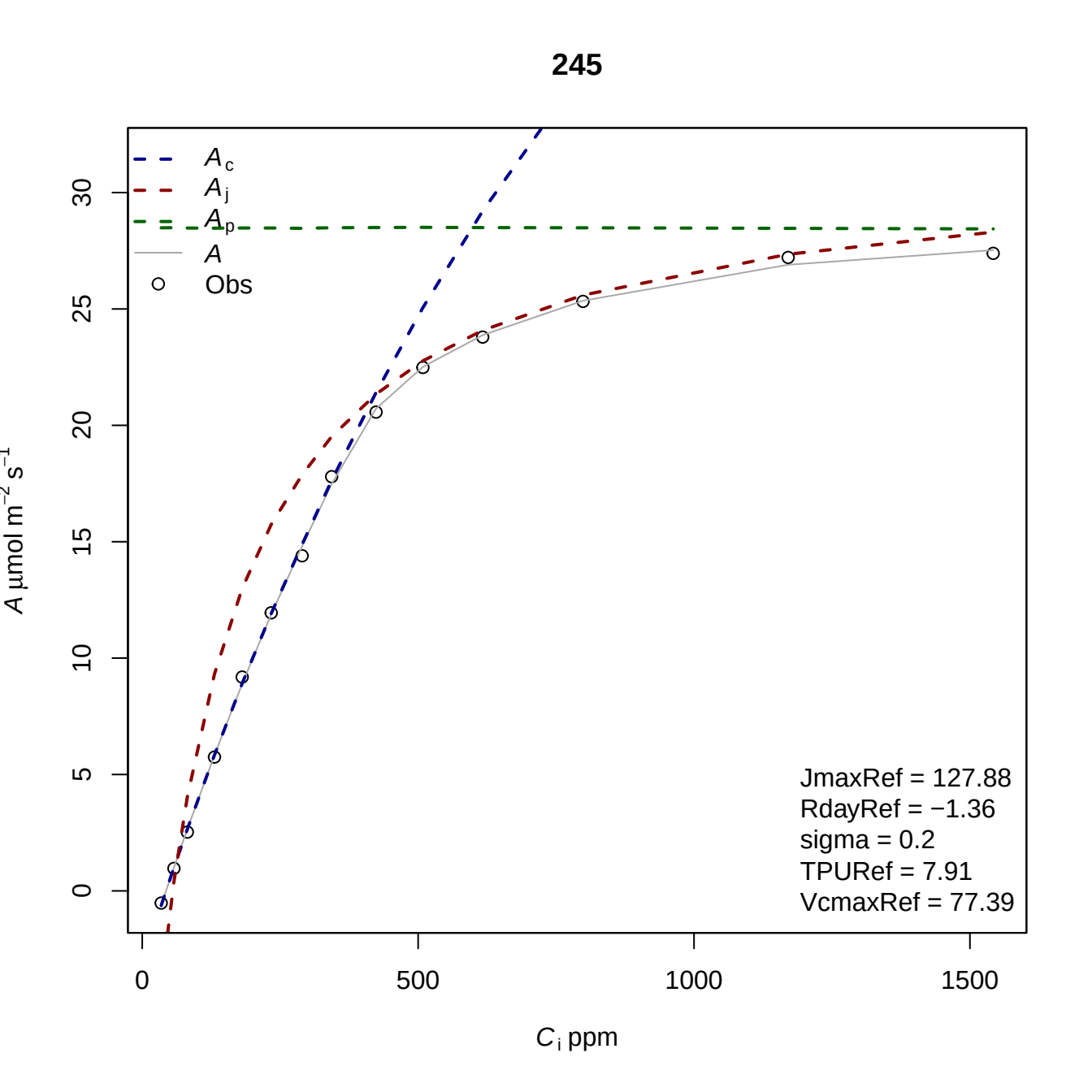

238
A_c
A_j
A_p
A
Obs
JmaxRef = 98.1
RdayRef = −0.36
sigma = 0.2
TPURef = 6.07
VcmaxRef = 58.28
A µmol m^{-2} s^{-1}
0
5
10
15
20
0
500
1000
1500
C_i ppm

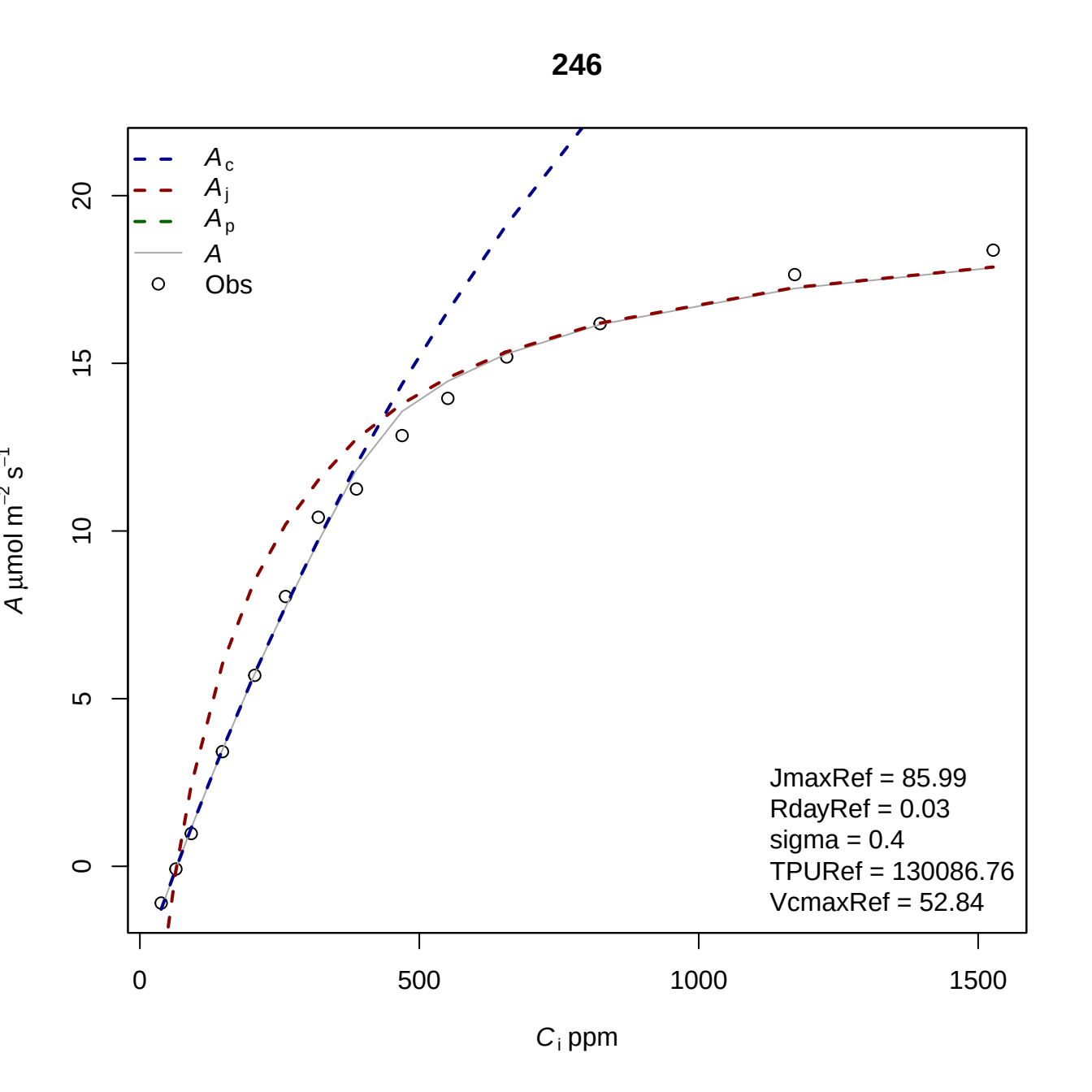

239
A_c
A_j
A_p
A
Obs
JmaxRef = 109.28
RdayRef = 0.16
sigma = 0.25
TPURef = 6.82
VcmaxRef = 54.25
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

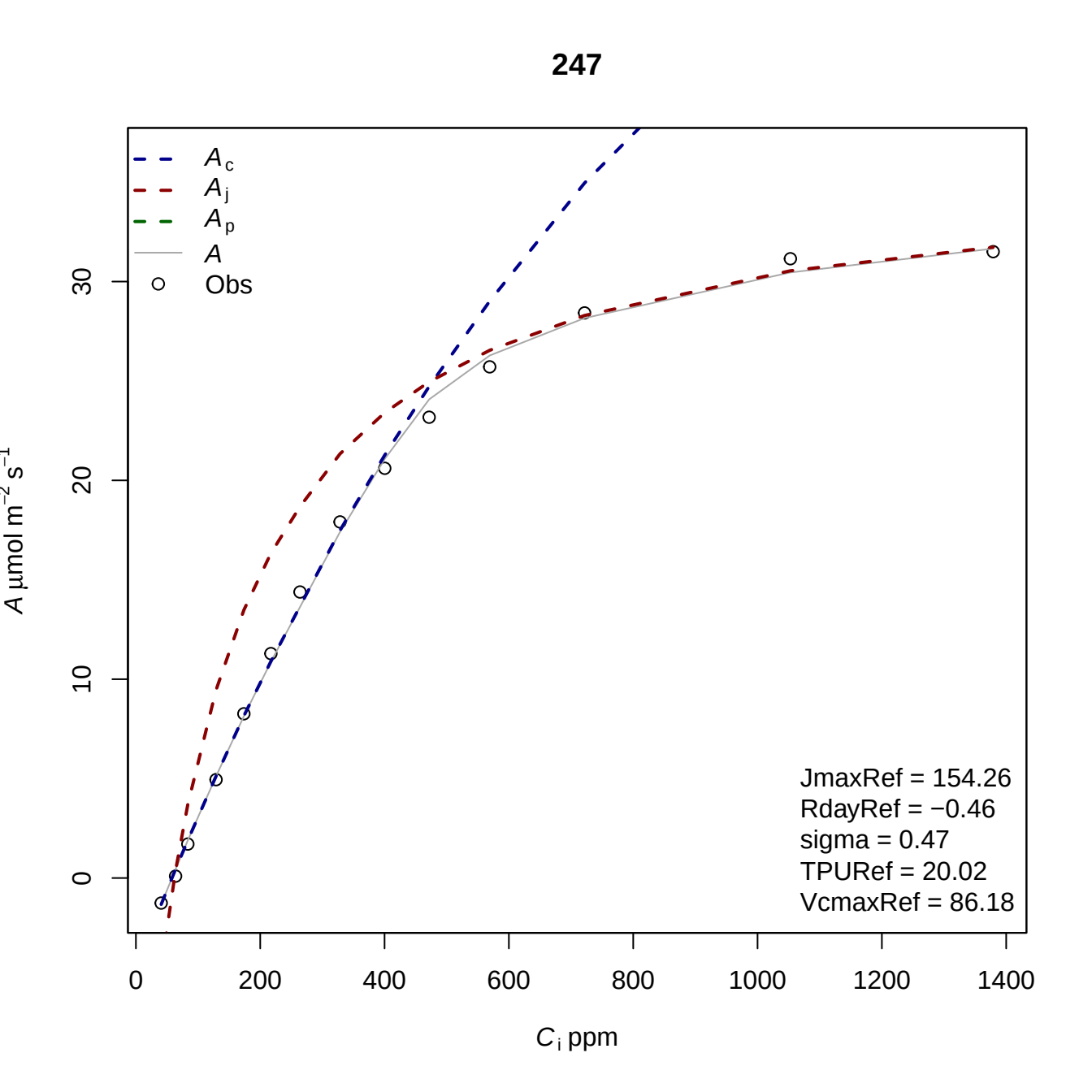

242
A_c
A_j
A_p
A
Obs
JmaxRef = 43.53
RdayRef = 0.67
sigma = 0.29
TPURef = 3.72
VcmaxRef = 18.98
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
0
200
400
600
800
1000
1200
1400

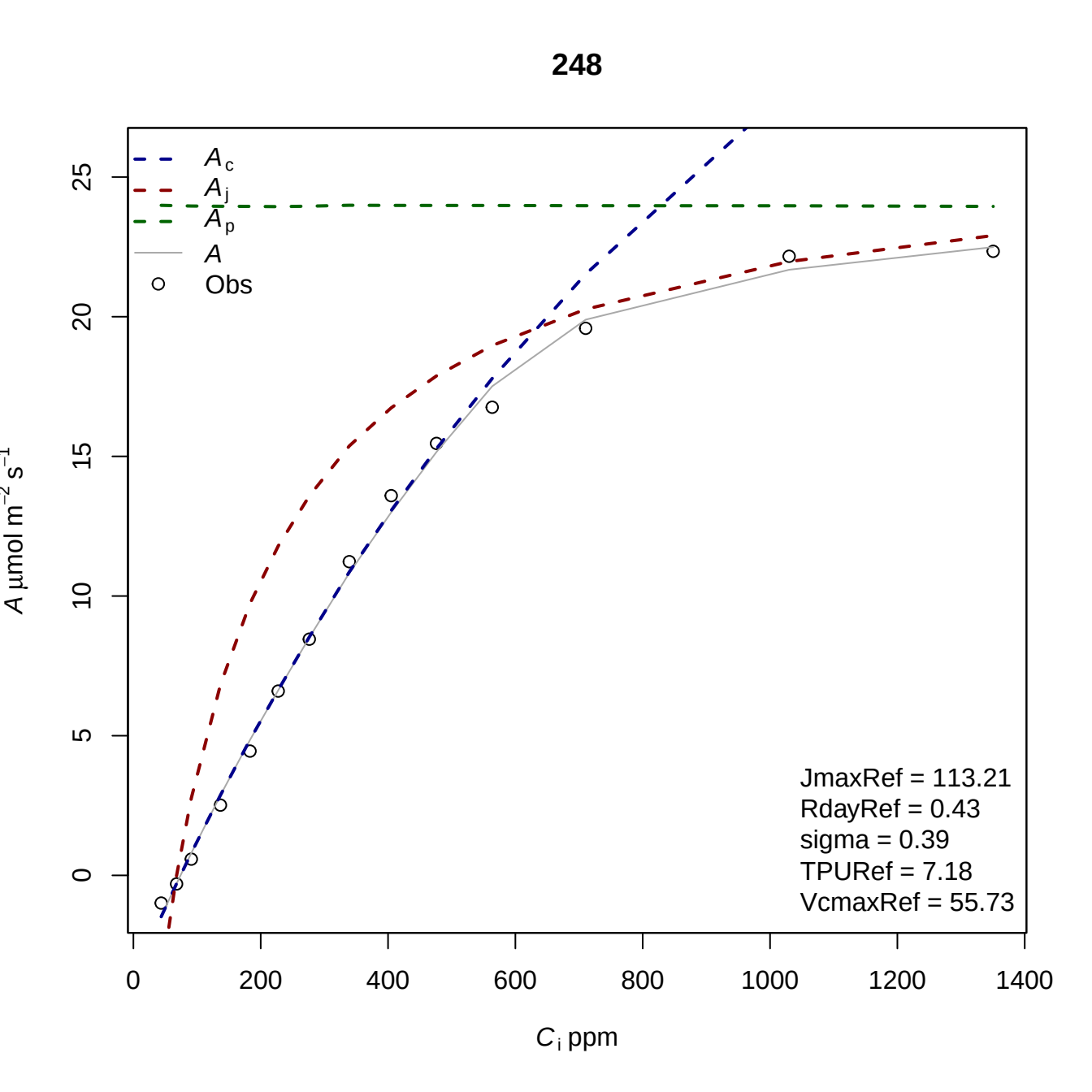

243
A_c
A_j
A_p
A
Obs
JmaxRef = 145.59
RdayRef = 0.52
sigma = 0.45
TPURef = 4.58
VcmaxRef = 88.78
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600
700

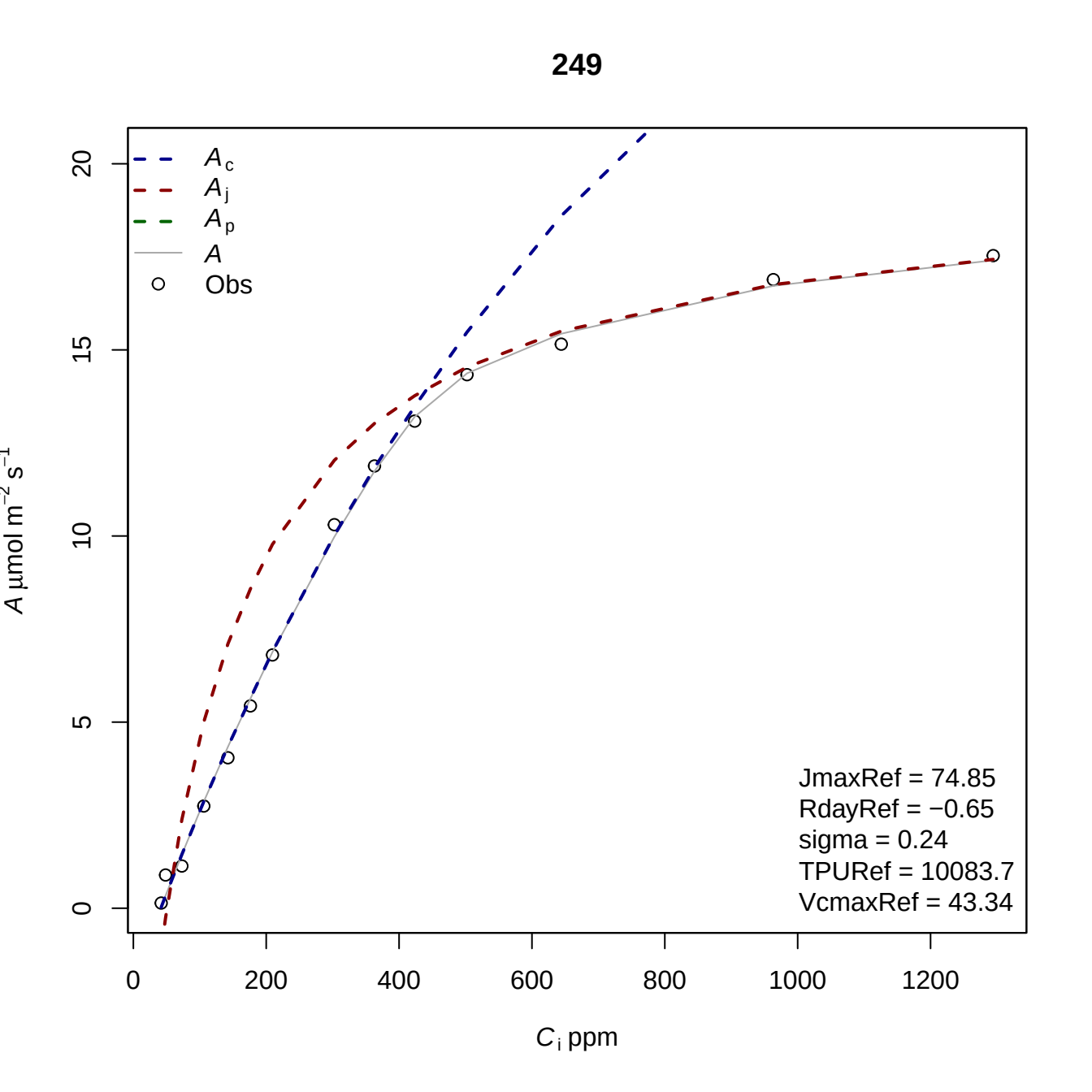

244
A_c
A_j
A_p
A
Obs
JmaxRef = 161.82
RdayRef = 0.56
sigma = 0.34
TPURef = 130000.88
VcmaxRef = 80.77
0
10
20
30
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

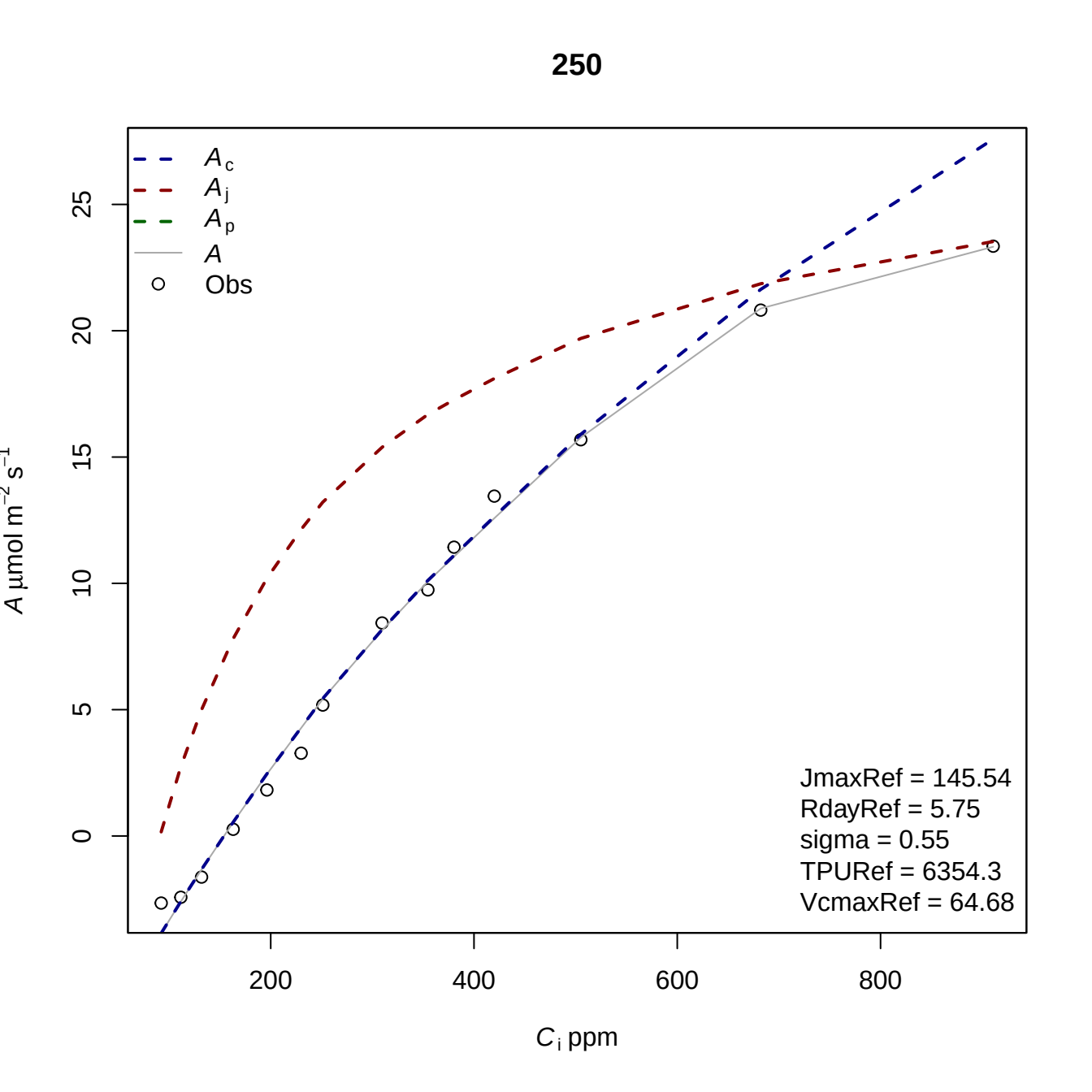

245
A_c
A_j
A_p
A
Obs
JmaxRef = 127.88
RdayRef = −1.36
sigma = 0.2
TPURef = 7.91
VcmaxRef = 77.39
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

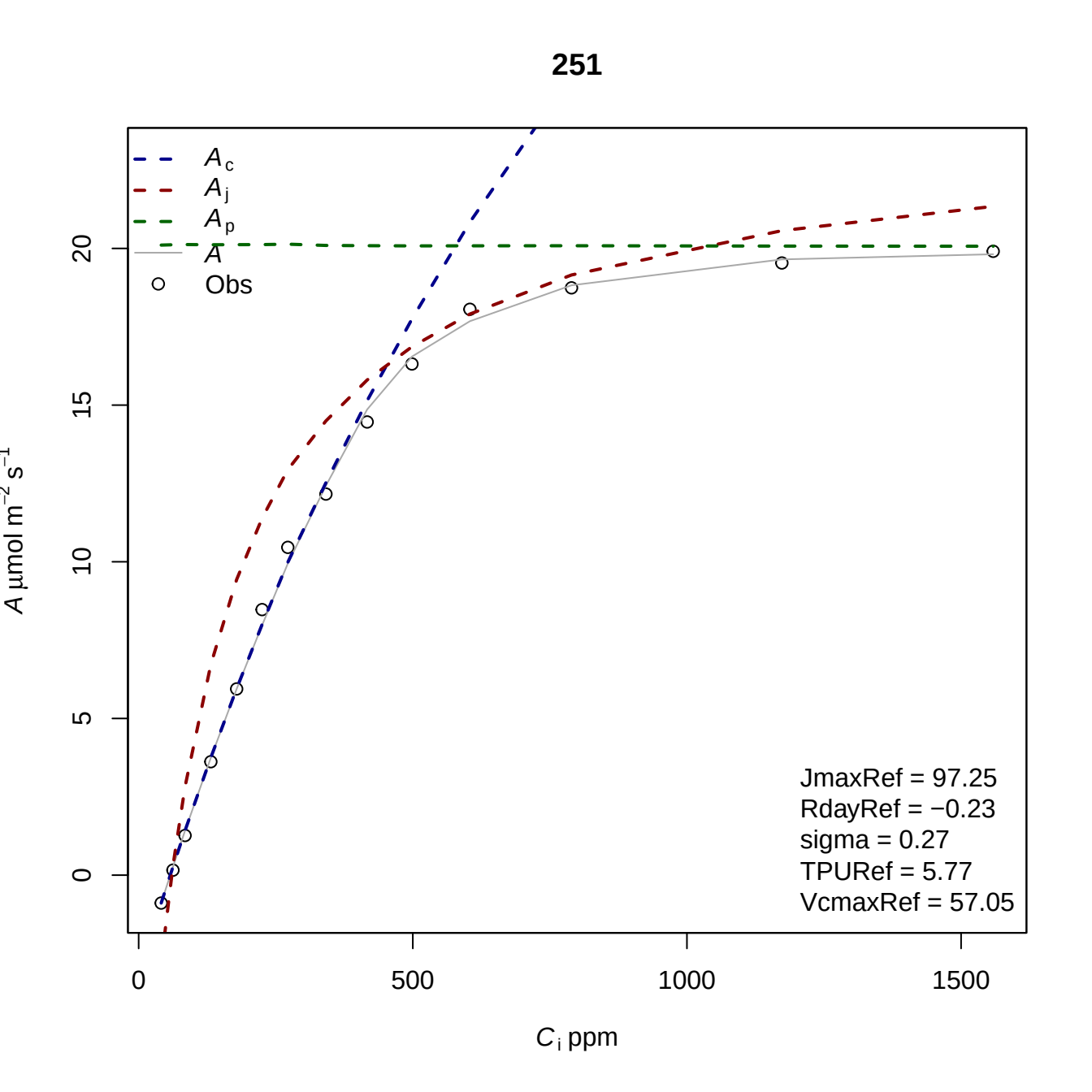

246
A_c
A_j
A_p
A
Obs
JmaxRef = 85.99
RdayRef = 0.03
sigma = 0.4
TPURef = 130086.76
VcmaxRef = 52.84
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

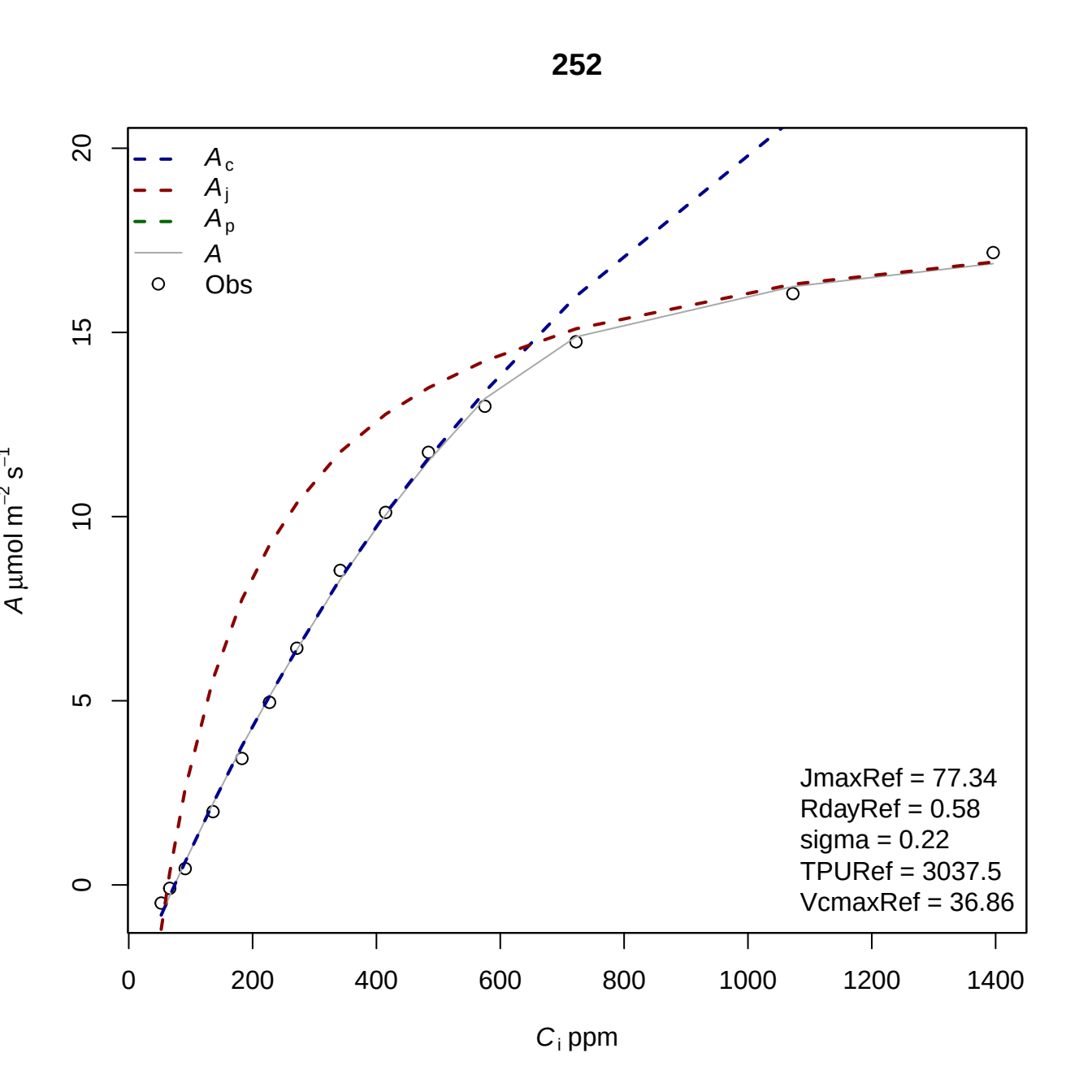

247
A_c
A_j
A_p
A
Obs
JmaxRef = 154.26
RdayRef = −0.46
sigma = 0.47
TPURef = 20.02
VcmaxRef = 86.18
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

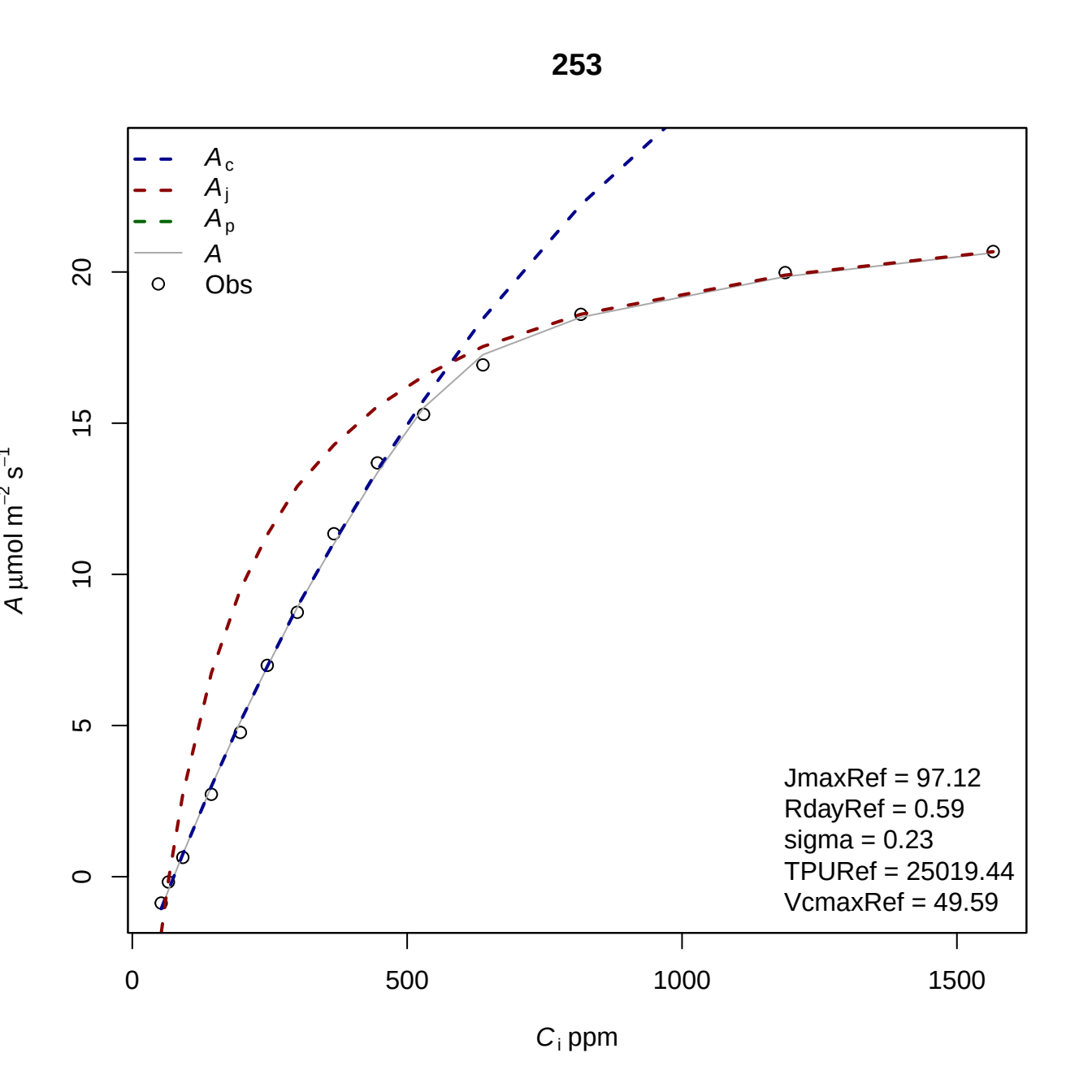

248
A_c
A_j
A_p
A
Obs
JmaxRef = 113.21
RdayRef = 0.43
sigma = 0.39
TPURef = 7.18
VcmaxRef = 55.73
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

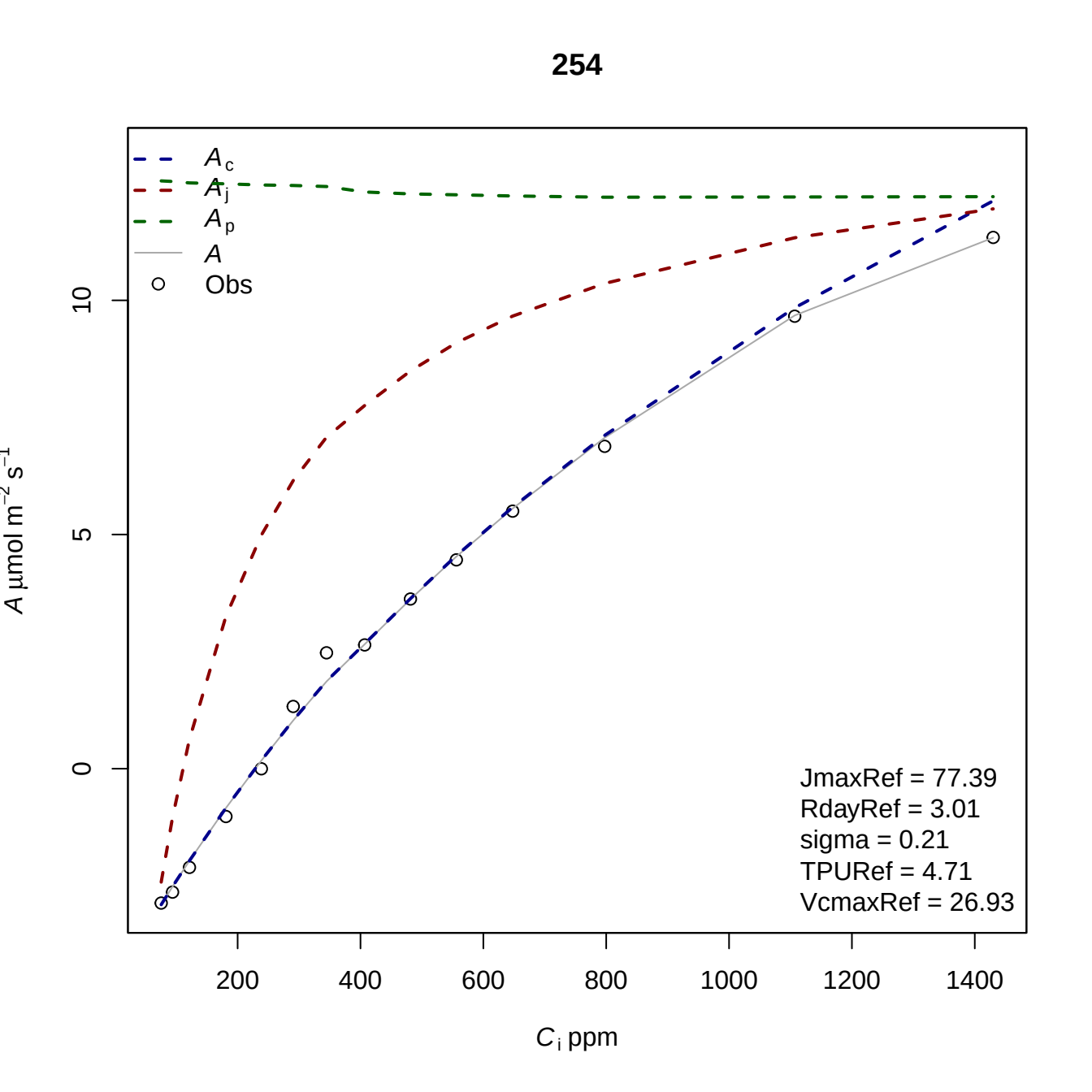

249
A_c
A_j
A_p
A
Obs
JmaxRef = 74.85
RdayRef = −0.65
sigma = 0.24
TPURef = 10083.7
VcmaxRef = 43.34
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200

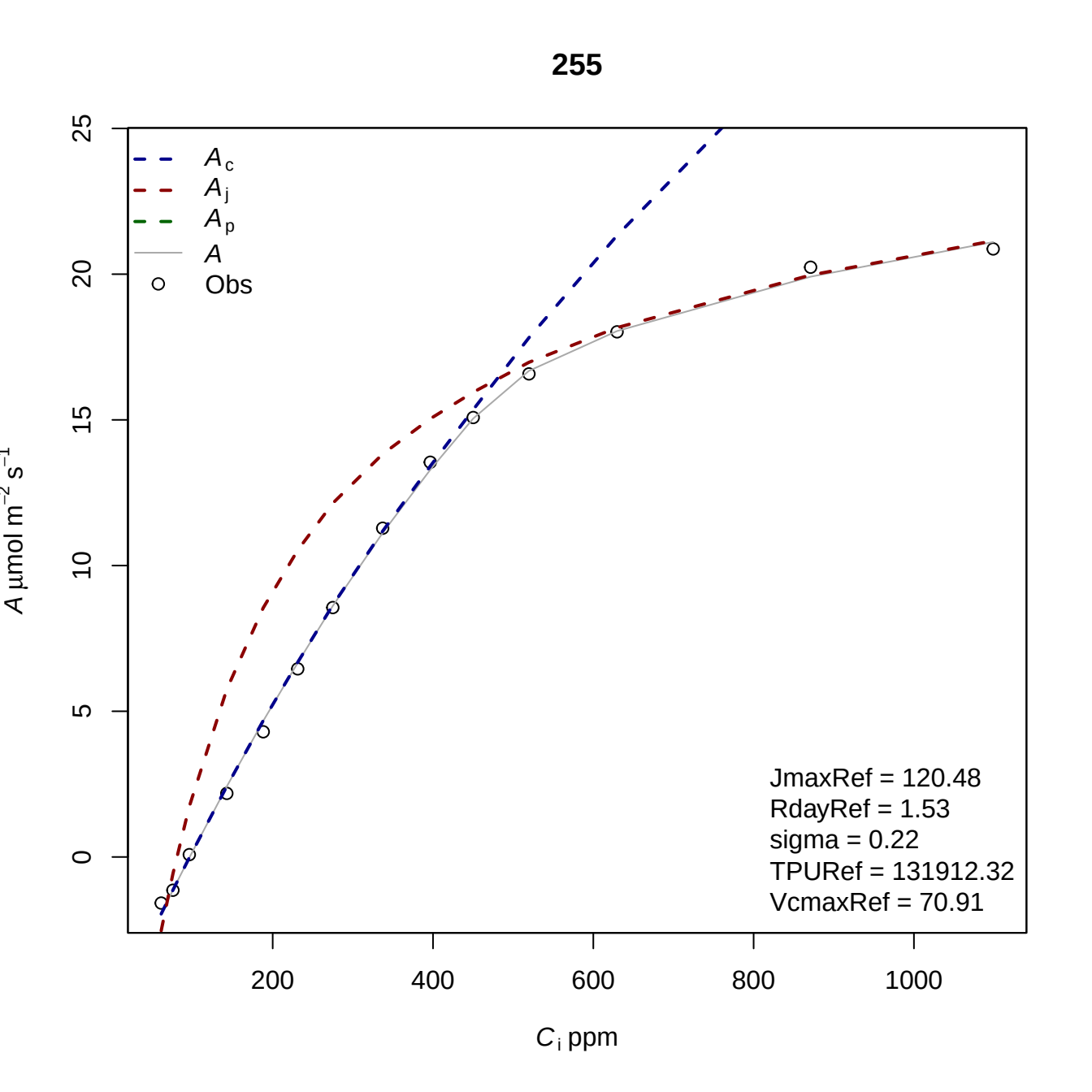

250
A_c
A_j
A_p
A
Obs
JmaxRef = 145.54
RdayRef = 5.75
sigma = 0.55
TPURef = 6354.3
VcmaxRef = 64.68
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800

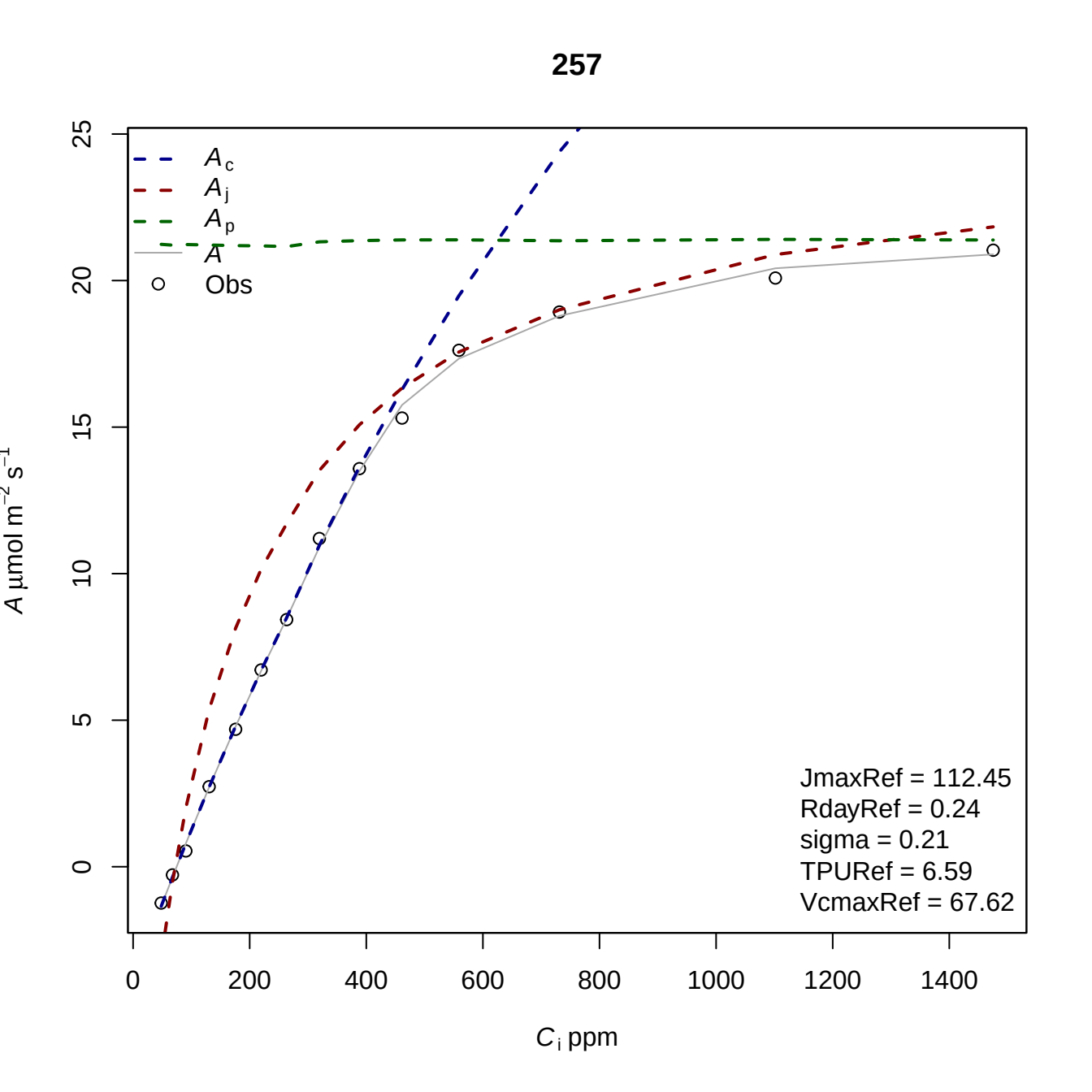

251
A_c
A_j
A_p
A
Obs
JmaxRef = 97.25
RdayRef = −0.23
sigma = 0.27
TPURef = 5.77
VcmaxRef = 57.05
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

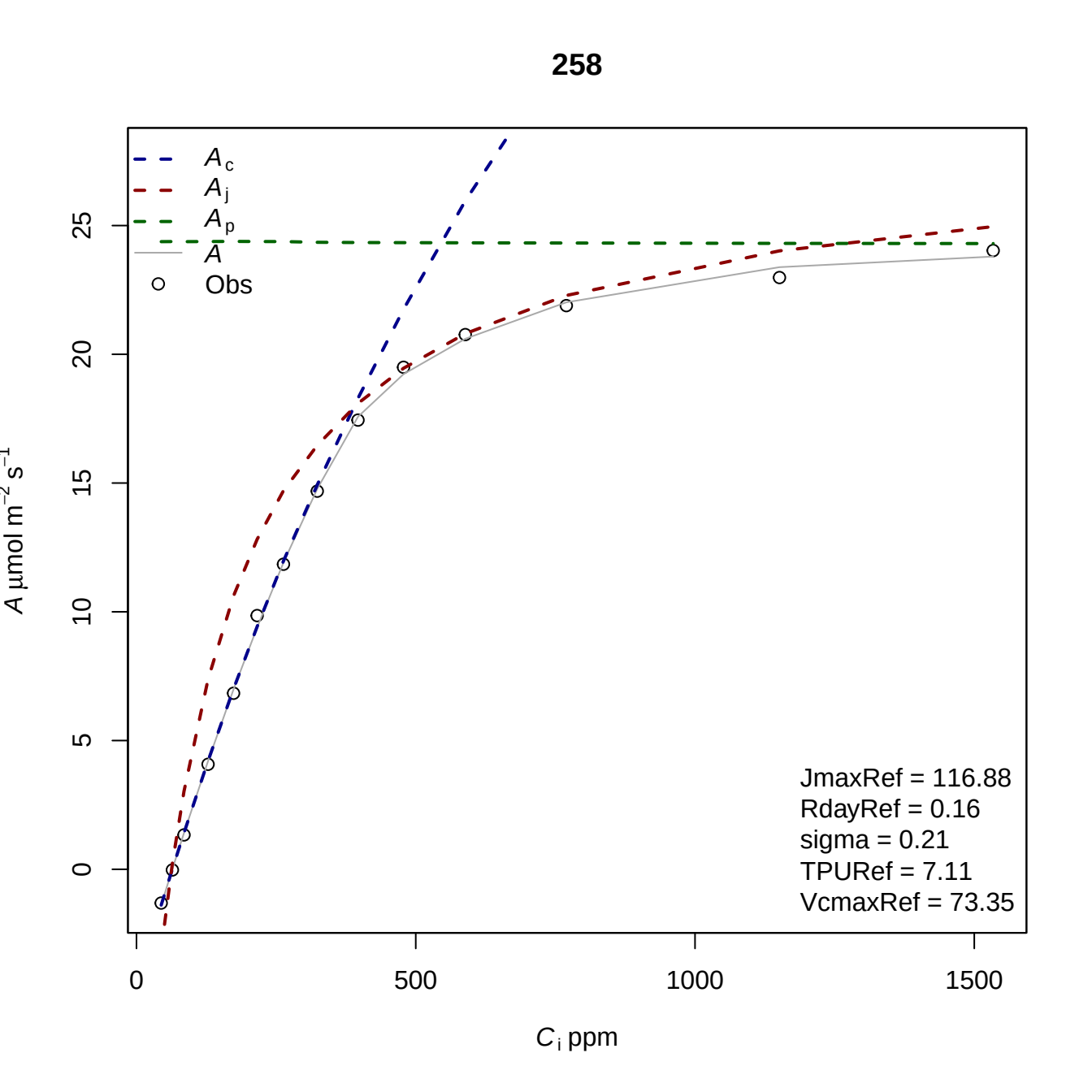

252
A_c
A_j
A_p
A
Obs
JmaxRef = 77.34
RdayRef = 0.58
sigma = 0.22
TPURef = 3037.5
VcmaxRef = 36.86
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

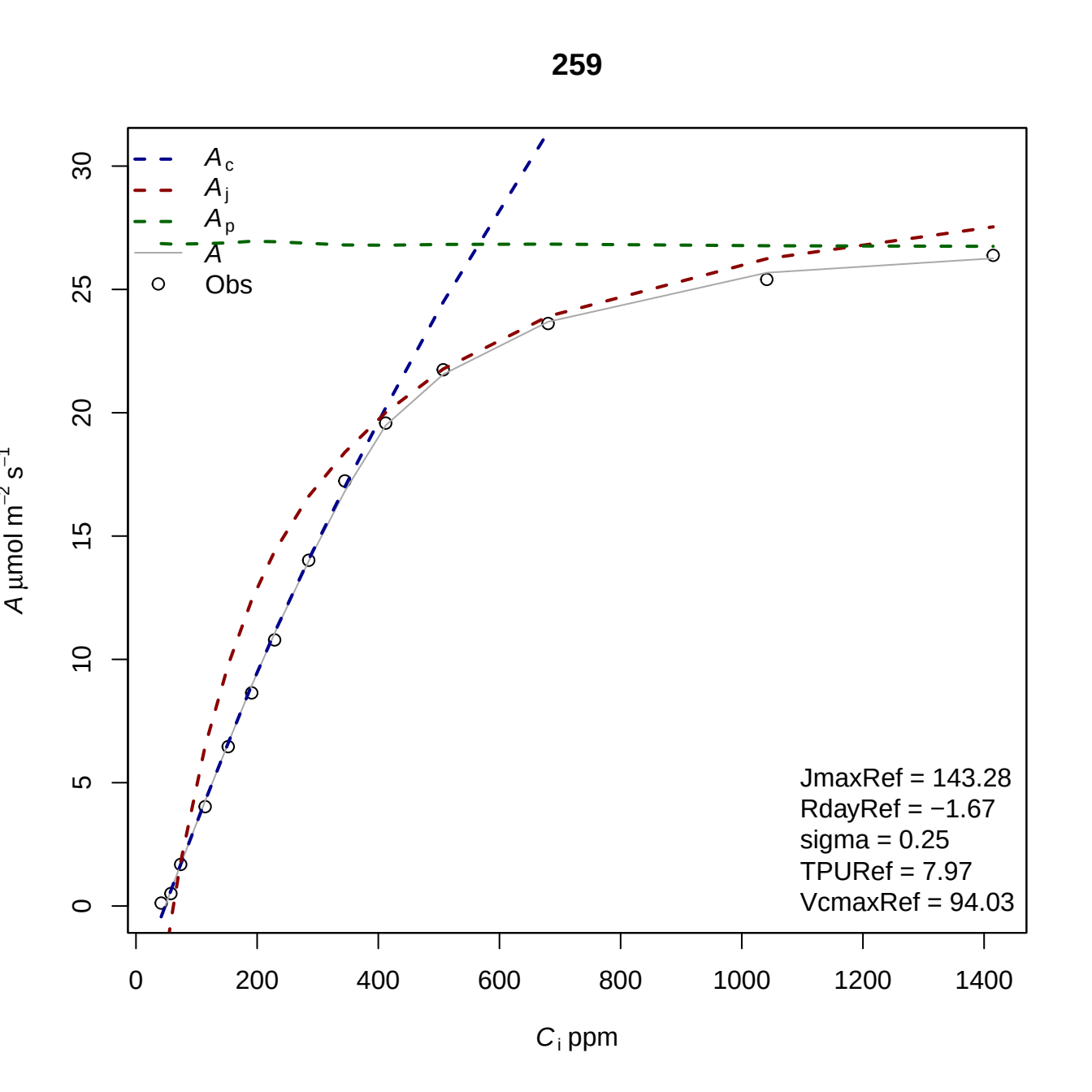

253
A_c
A_j
A_p
A
Obs
JmaxRef = 97.12
RdayRef = 0.59
sigma = 0.23
TPURef = 25019.44
VcmaxRef = 49.59
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

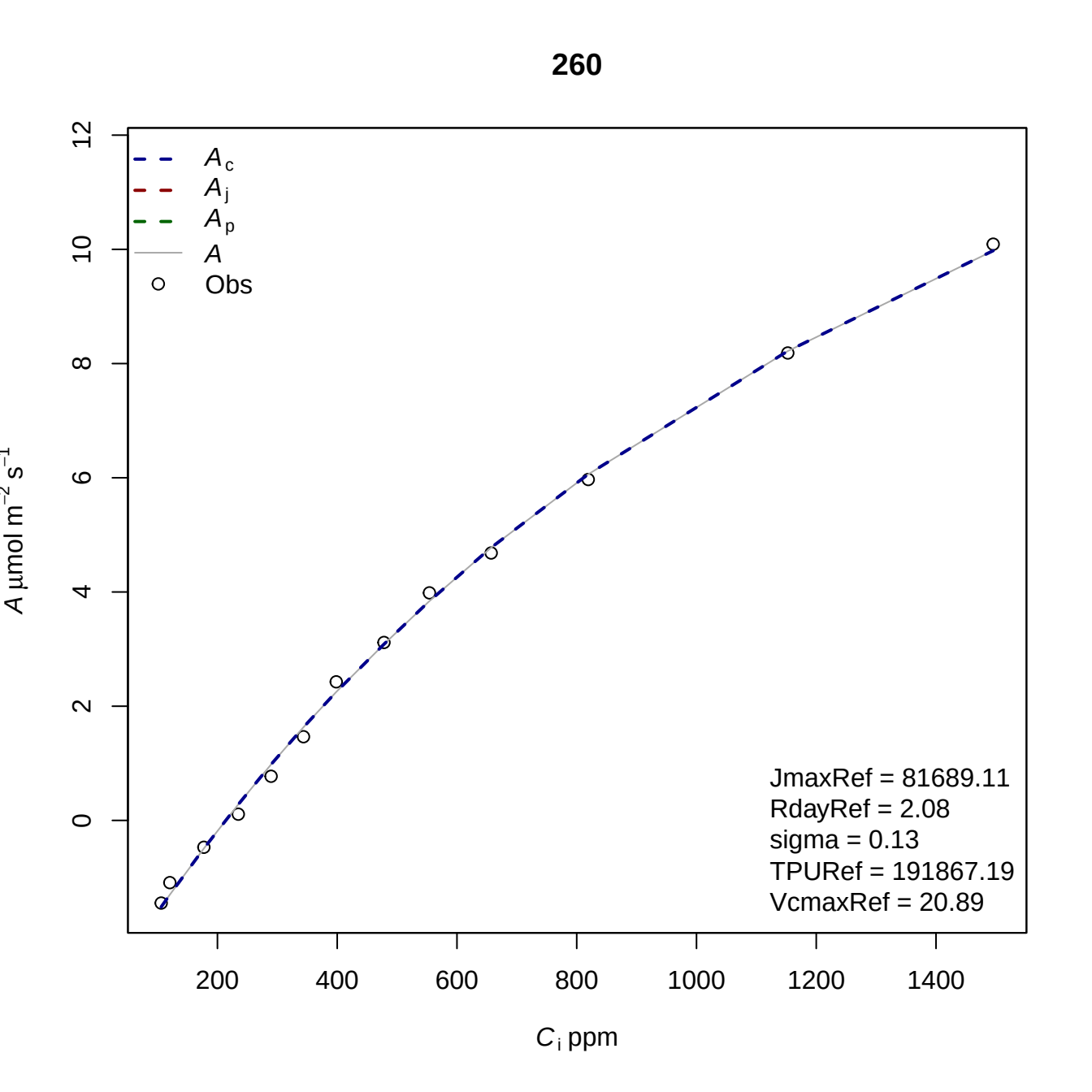

254
A_c
A_j
A_p
A
Obs
JmaxRef = 77.39
RdayRef = 3.01
sigma = 0.21
TPURef = 4.71
VcmaxRef = 26.93
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
200
400
600
800
1000
1200
1400

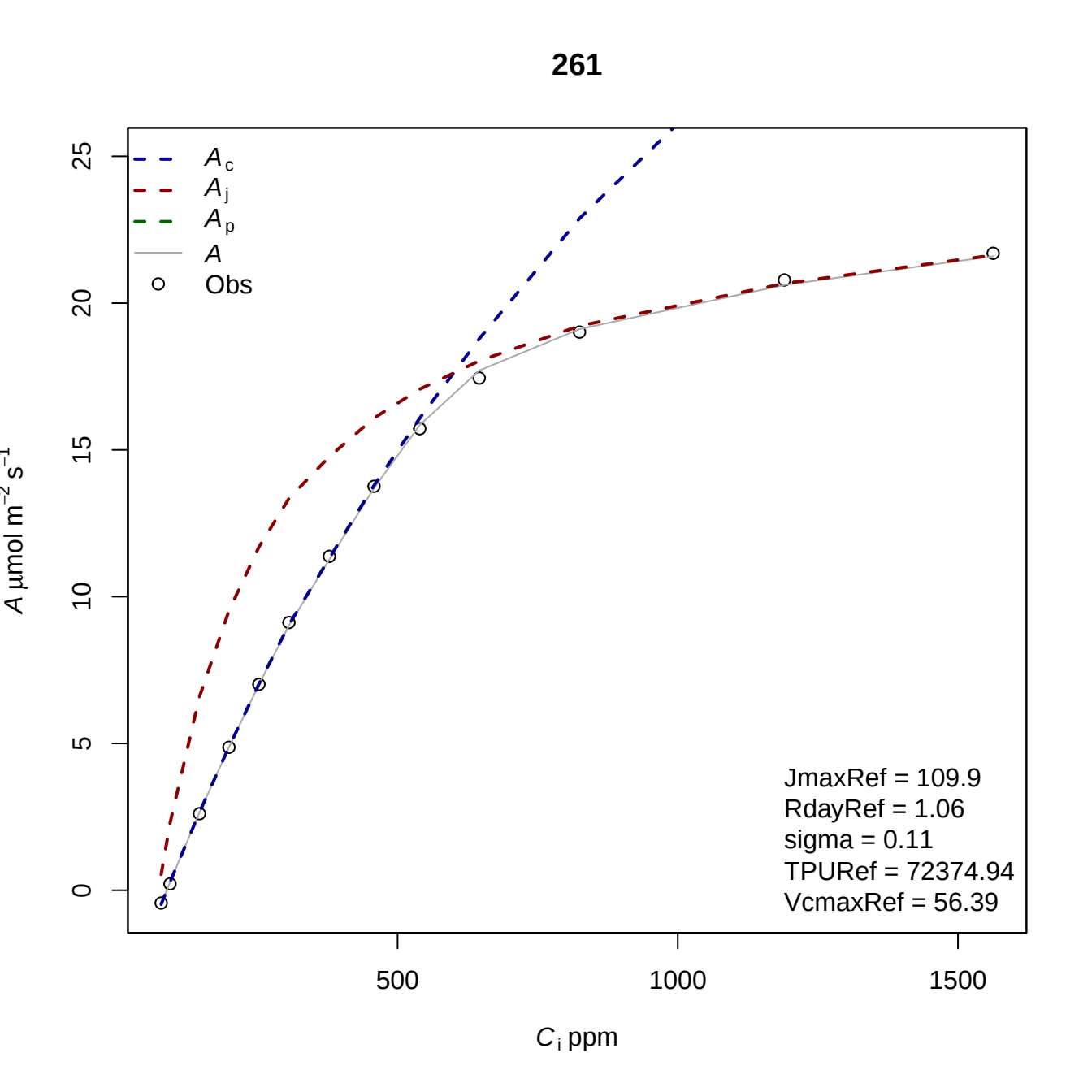

255
A_c
A_j
A_p
A
Obs
JmaxRef = 120.48
RdayRef = 1.53
sigma = 0.22
TPURef = 131912.32
VcmaxRef = 70.91
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

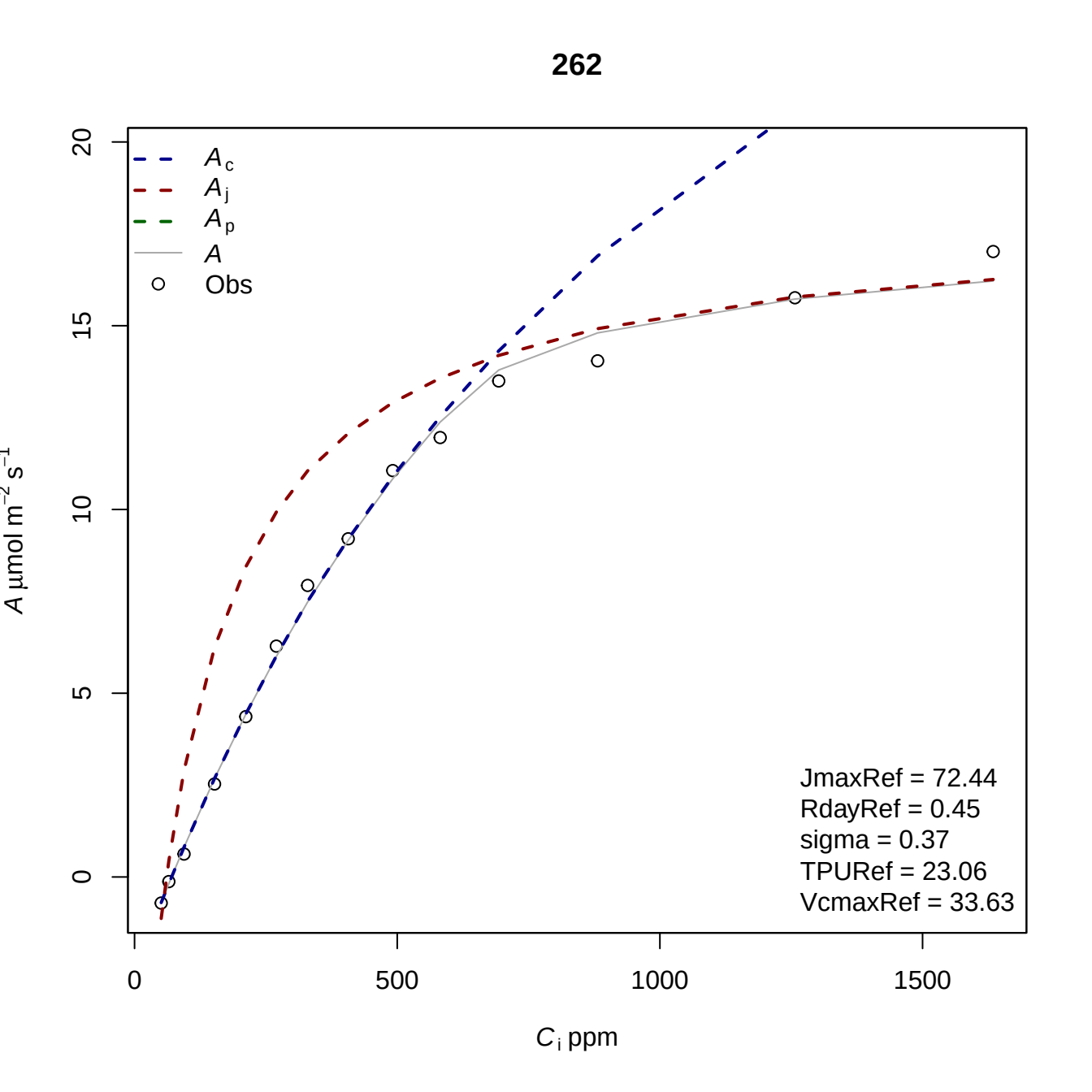

257
A_c
A_j
A_p
A
Obs
JmaxRef = 112.45
RdayRef = 0.24
sigma = 0.21
TPURef = 6.59
VcmaxRef = 67.62
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

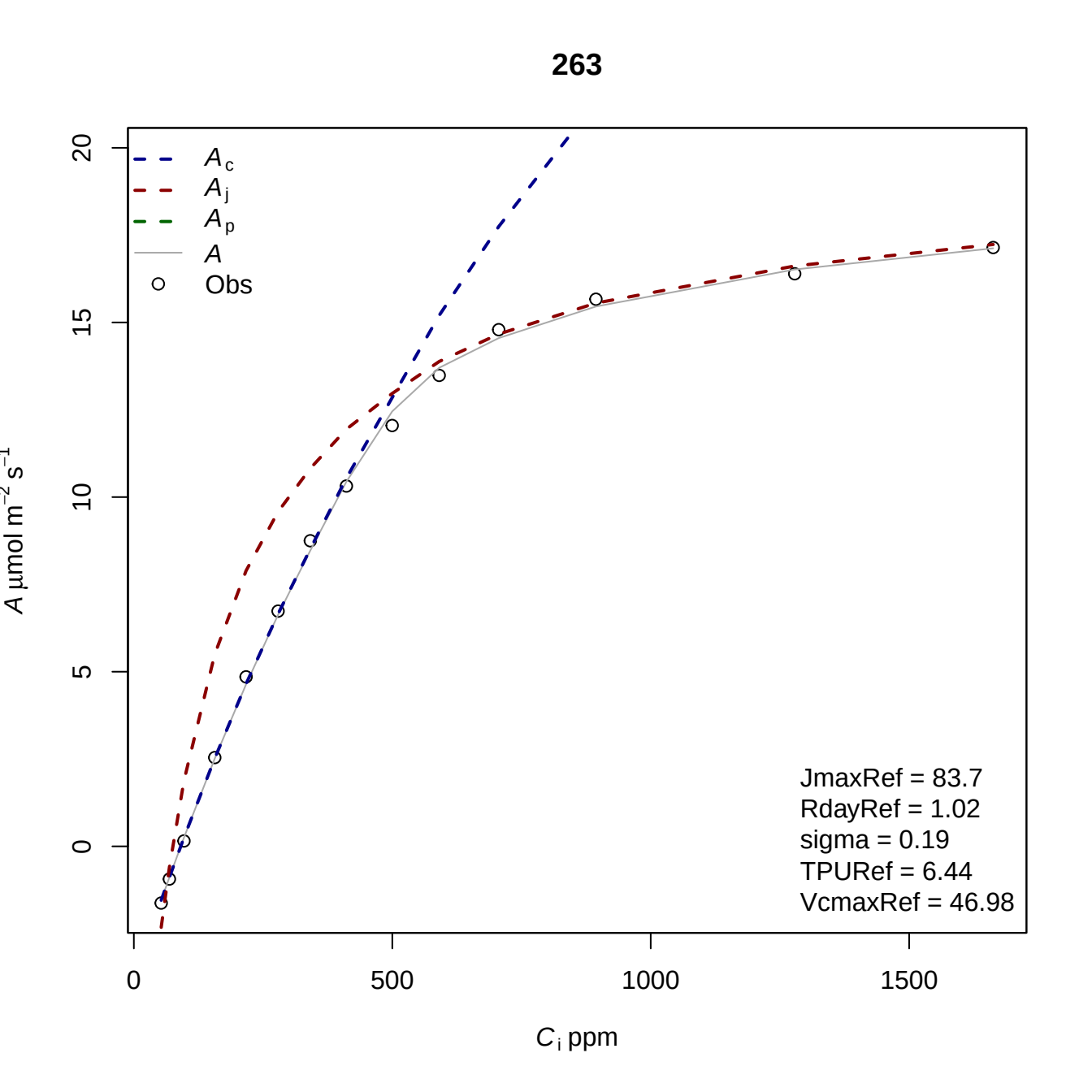

258
A_c
A_j
A_p
A
Obs
JmaxRef = 116.88
RdayRef = 0.16
sigma = 0.21
TPURef = 7.11
VcmaxRef = 73.35
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

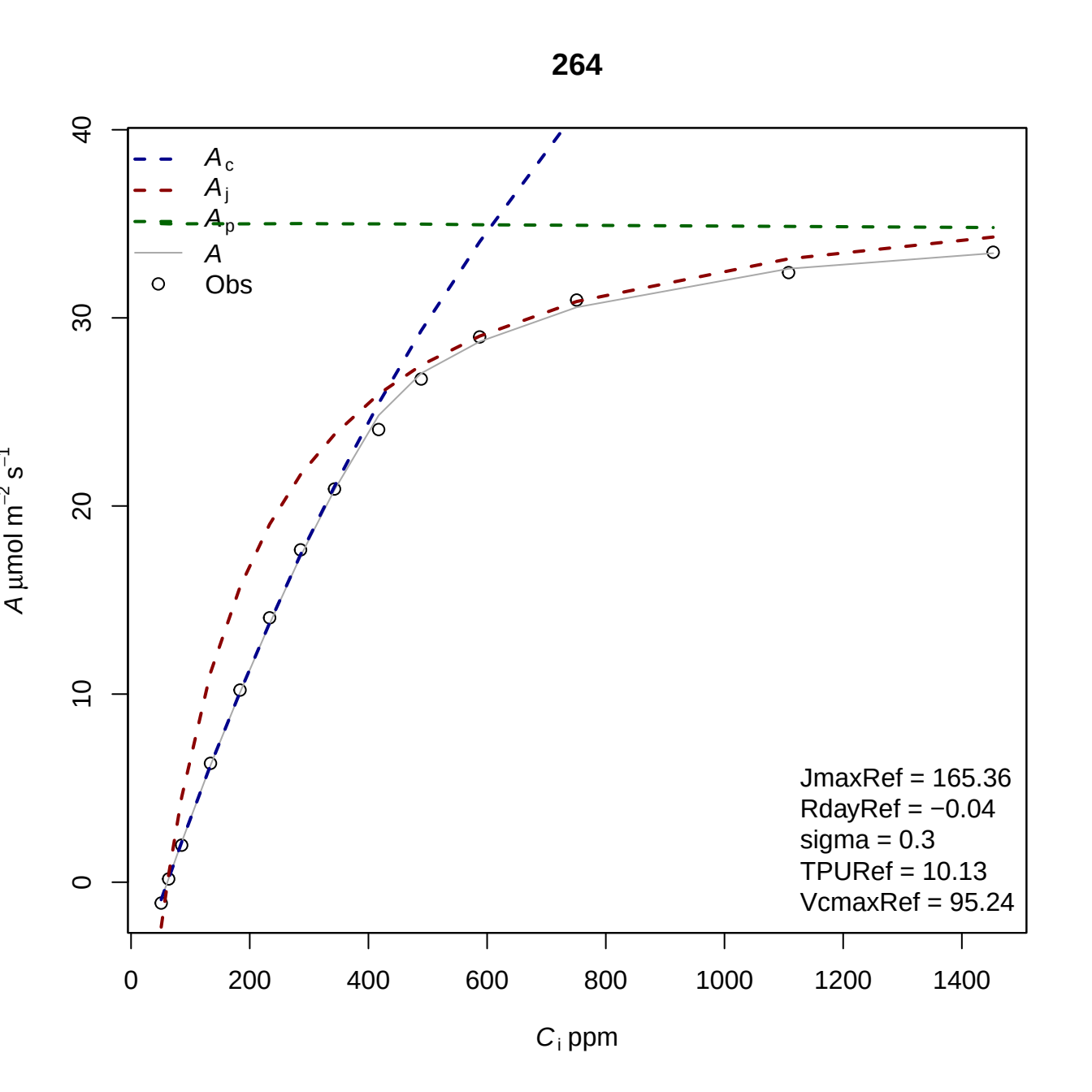

259
A_c
A_j
A_p
A
Obs
JmaxRef = 143.28
RdayRef = −1.67
sigma = 0.25
TPURef = 7.97
VcmaxRef = 94.03
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

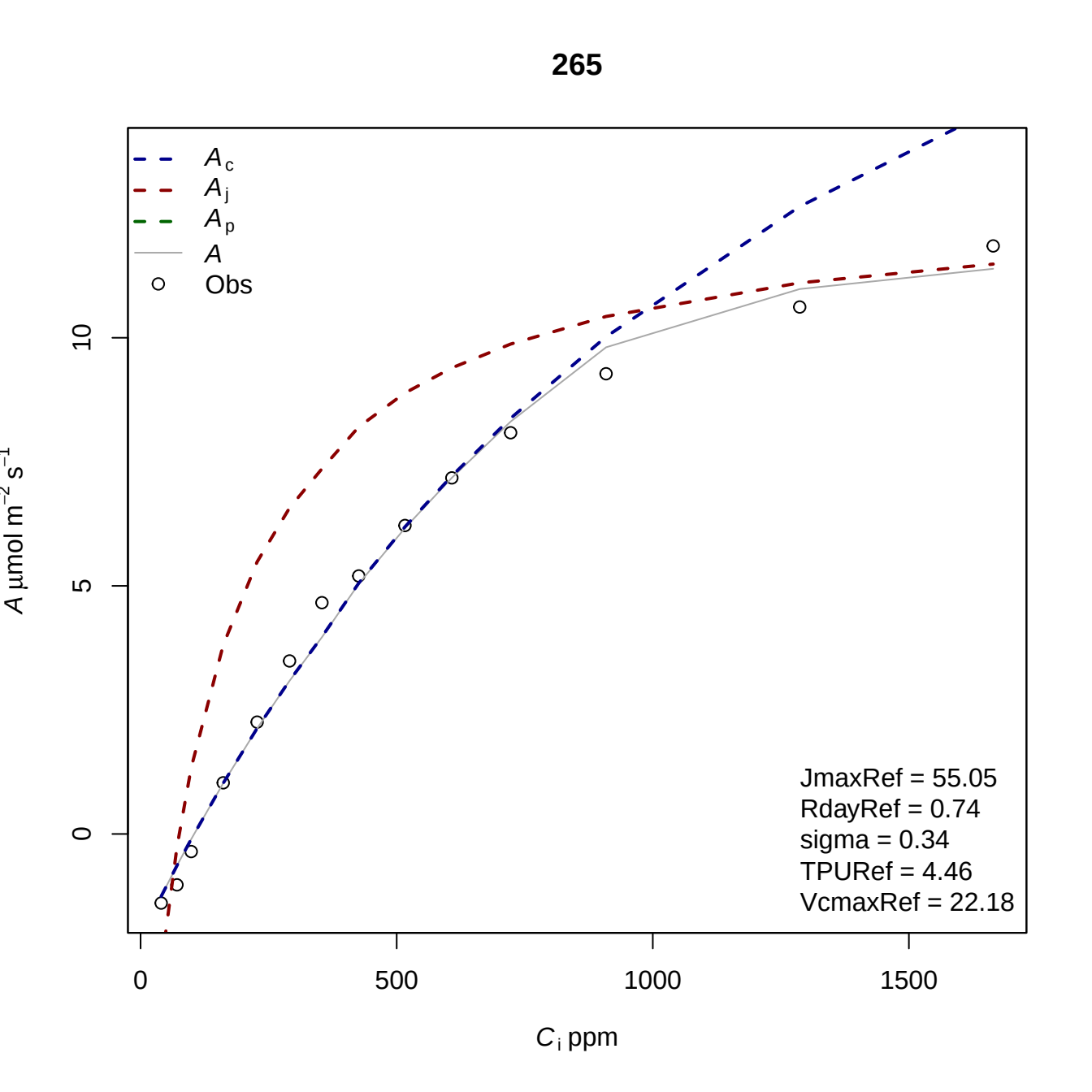

260
A_c
A_j
A_p
A
Obs
JmaxRef = 81689.11
RdayRef = 2.08
sigma = 0.13
TPURef = 191867.19
VcmaxRef = 20.89
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
10
12
200
400
600
800
1000
1200
1400

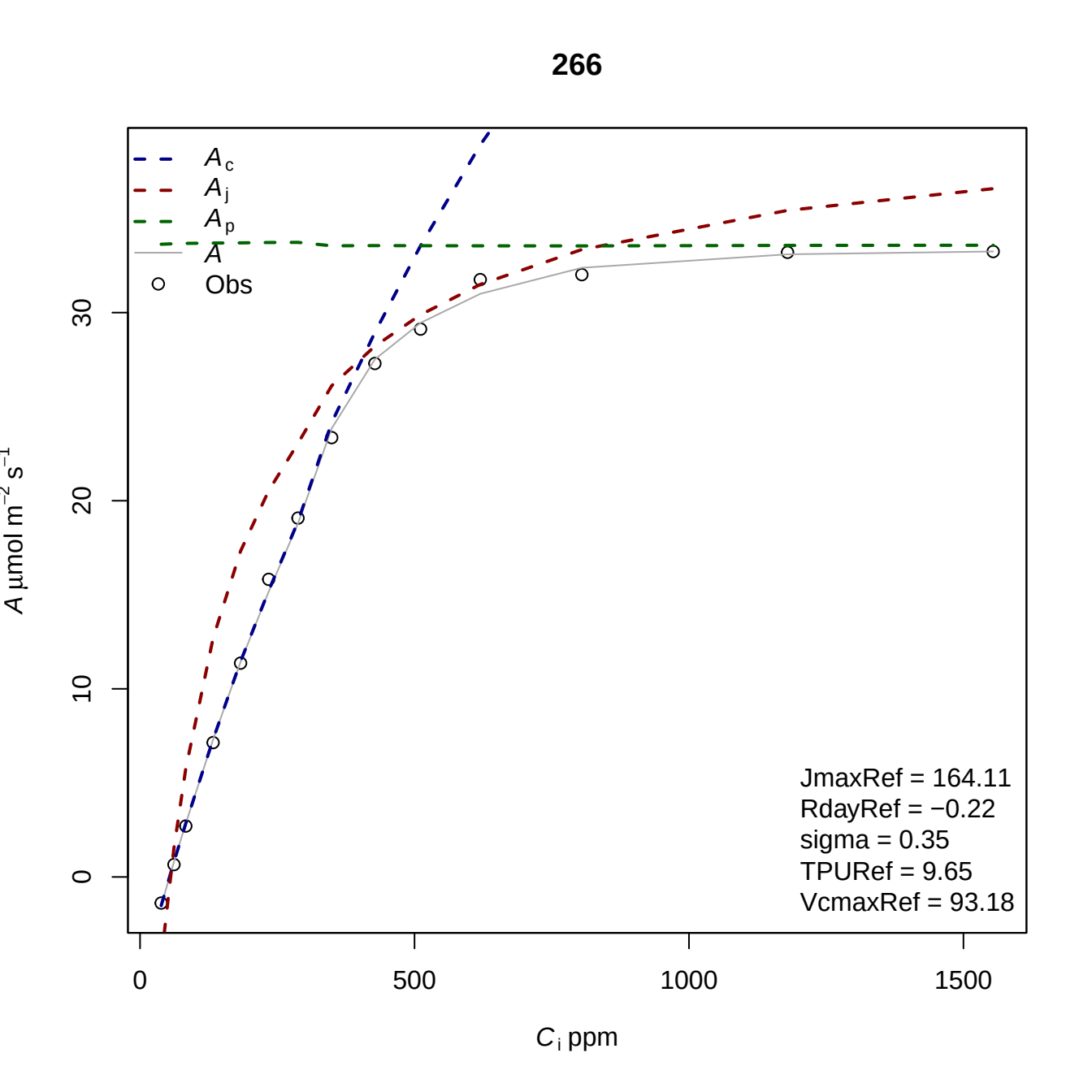

261
A_c
A_j
A_p
A
Obs
JmaxRef = 109.9
RdayRef = 1.06
sigma = 0.11
TPURef = 72374.94
VcmaxRef = 56.39
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
500
1000
1500

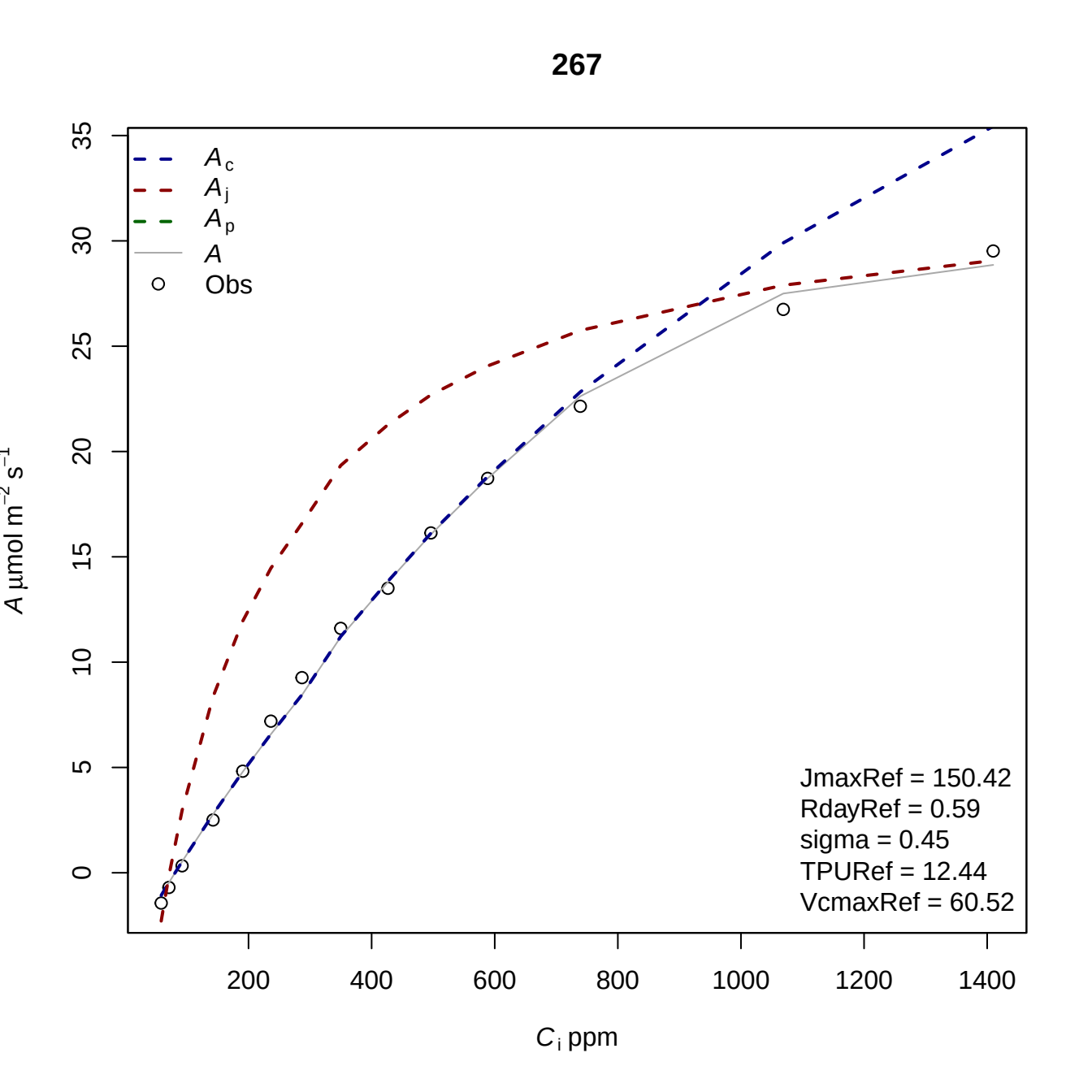

262
A_c
A_j
A_p
A
Obs
JmaxRef = 72.44
RdayRef = 0.45
sigma = 0.37
TPURef = 23.06
VcmaxRef = 33.63
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

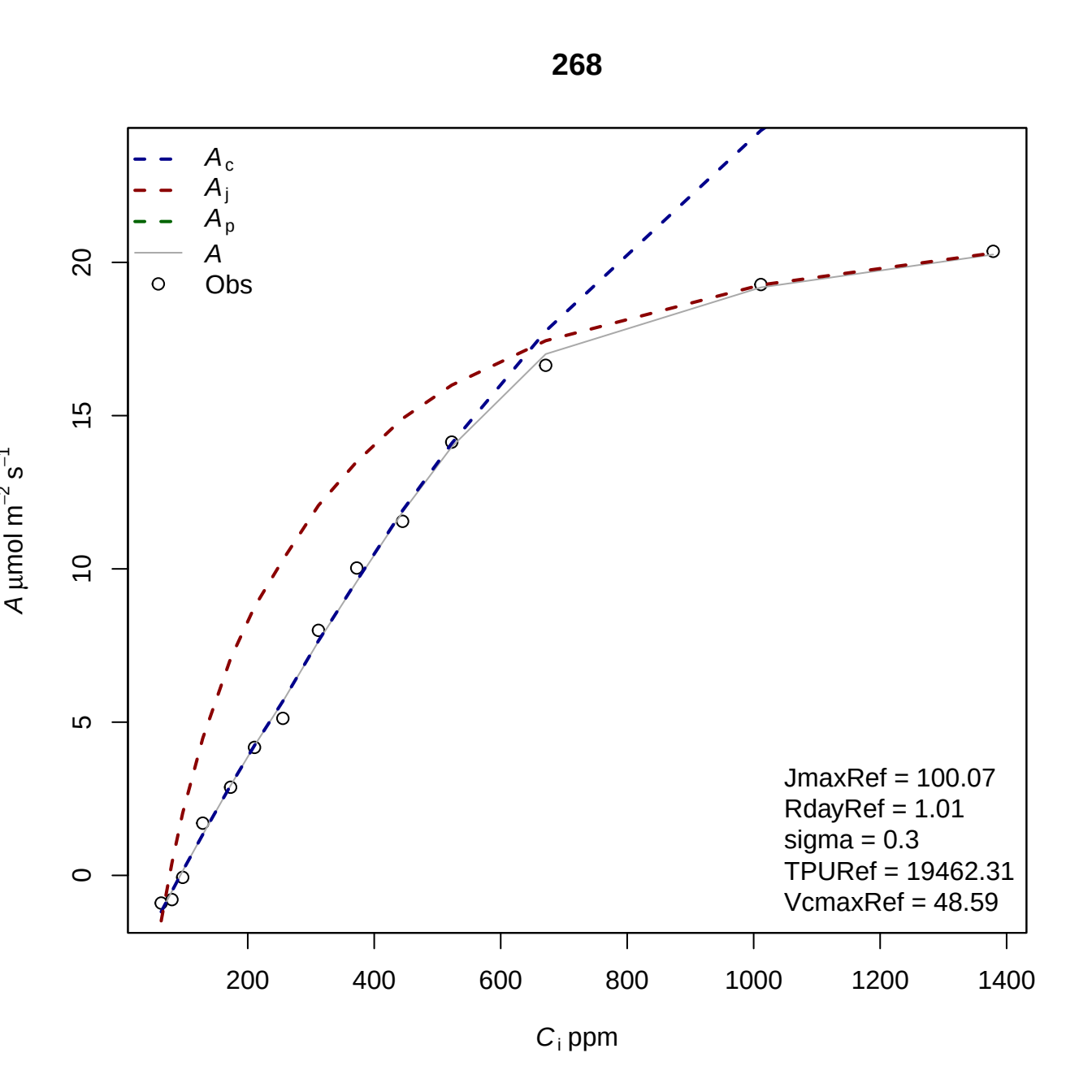

263
A_c
A_j
A_p
A
Obs
JmaxRef = 83.7
RdayRef = 1.02
sigma = 0.19
TPURef = 6.44
VcmaxRef = 46.98
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

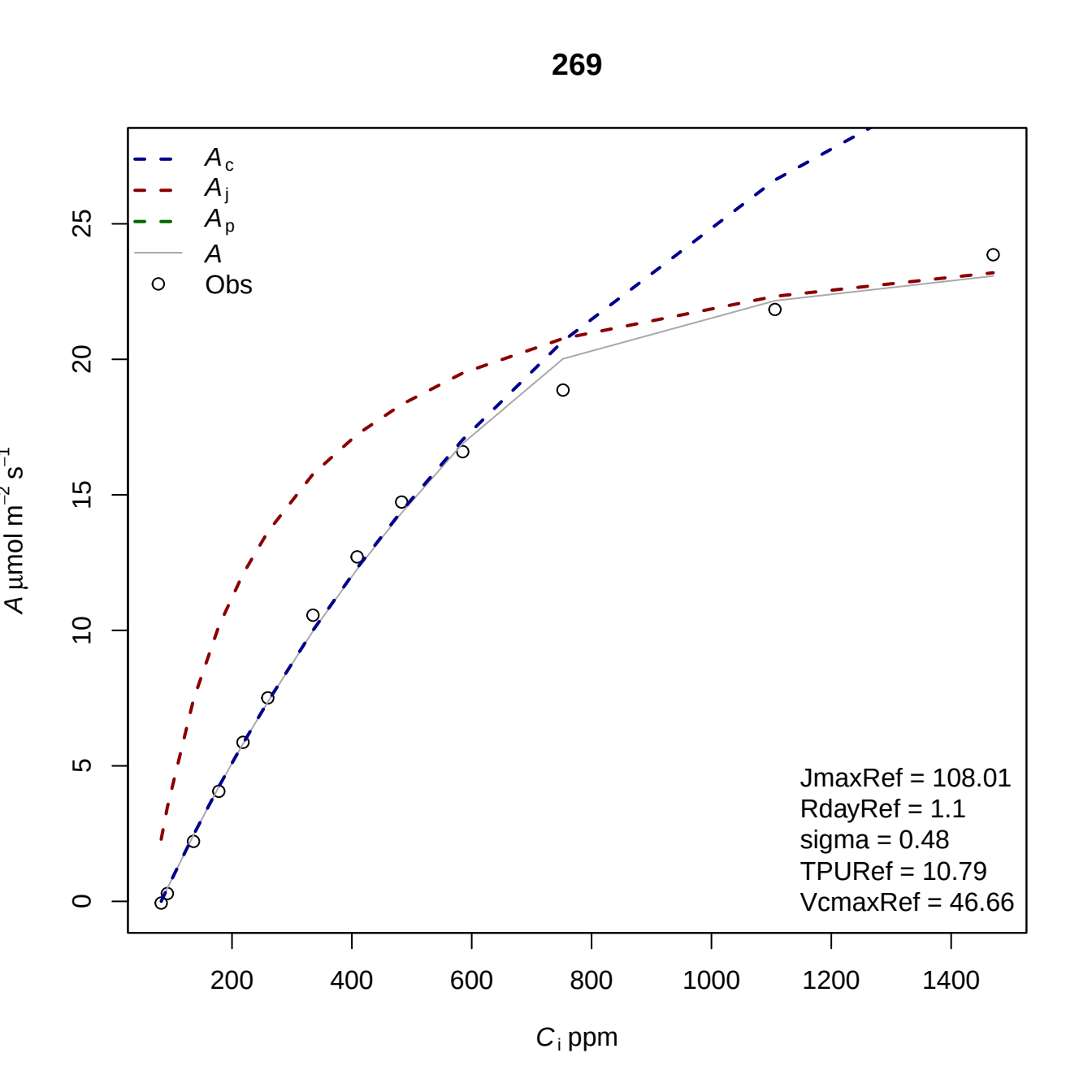

264
A_c
A_j
A_p
A
Obs
JmaxRef = 165.36
RdayRef = −0.04
sigma = 0.3
TPURef = 10.13
VcmaxRef = 95.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200
1400

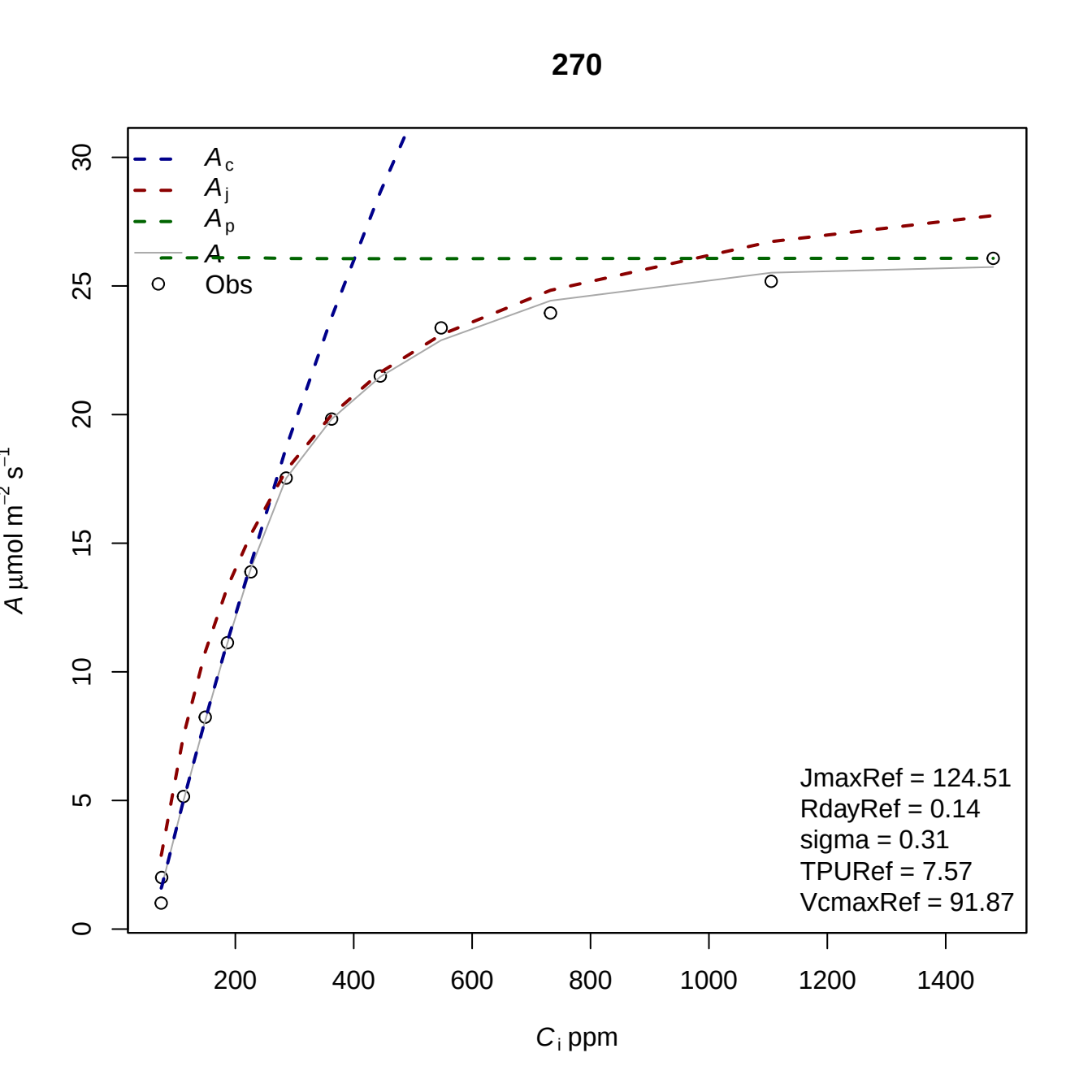

265
A_c
A_j
A_p
A
Obs
JmaxRef = 55.05
RdayRef = 0.74
sigma = 0.34
TPURef = 4.46
VcmaxRef = 22.18
A µmol m^{-2} s^{-1}
0
5
10
0
500
1000
1500
C_i ppm

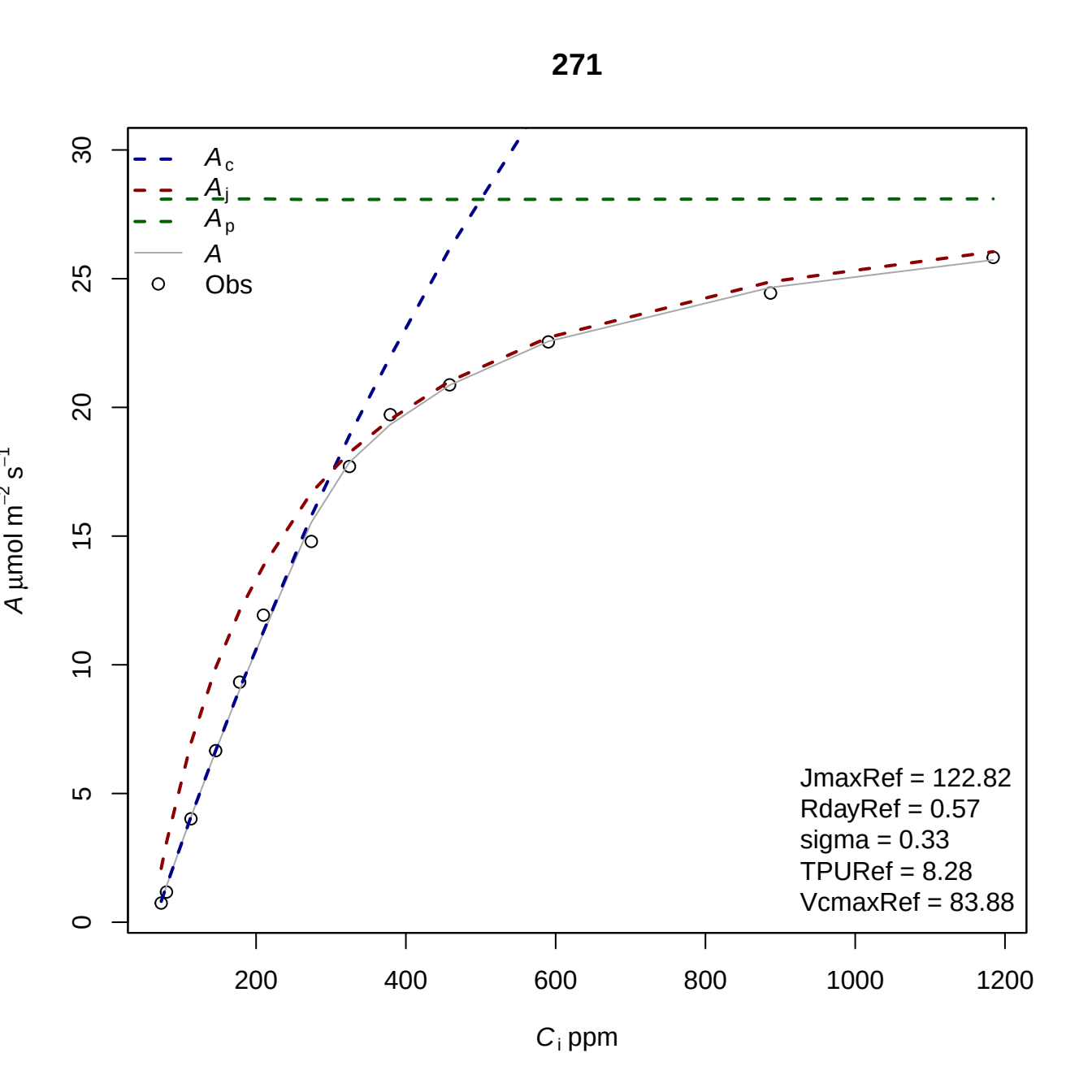

266
A_c
A_j
A_p
A
Obs
JmaxRef = 164.11
RdayRef = −0.22
sigma = 0.35
TPURef = 9.65
VcmaxRef = 93.18
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
500
1000
1500

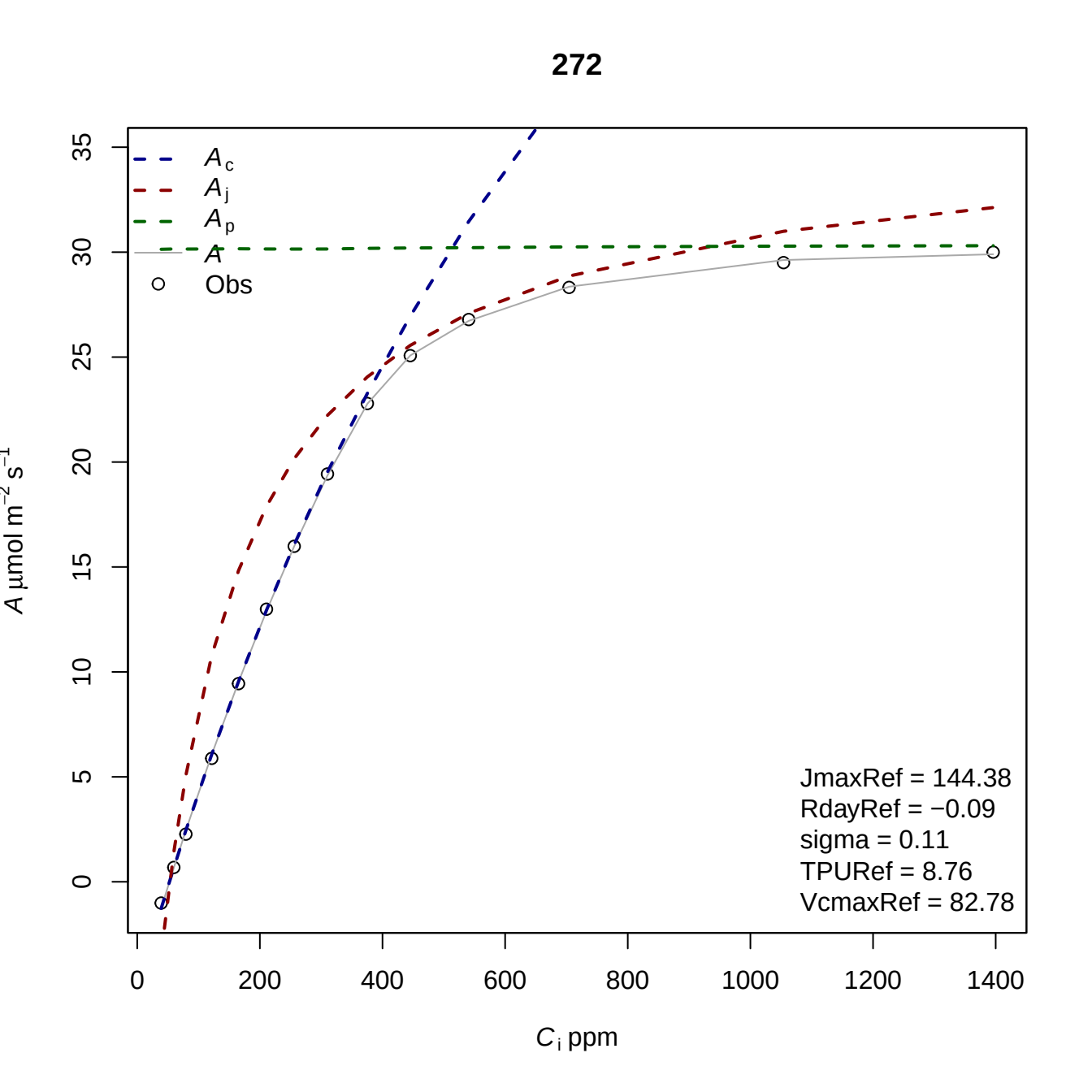

267
A_c
A_j
A_p
A
Obs
JmaxRef = 150.42
RdayRef = 0.59
sigma = 0.45
TPURef = 12.44
VcmaxRef = 60.52
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
200
400
600
800
1000
1200
1400

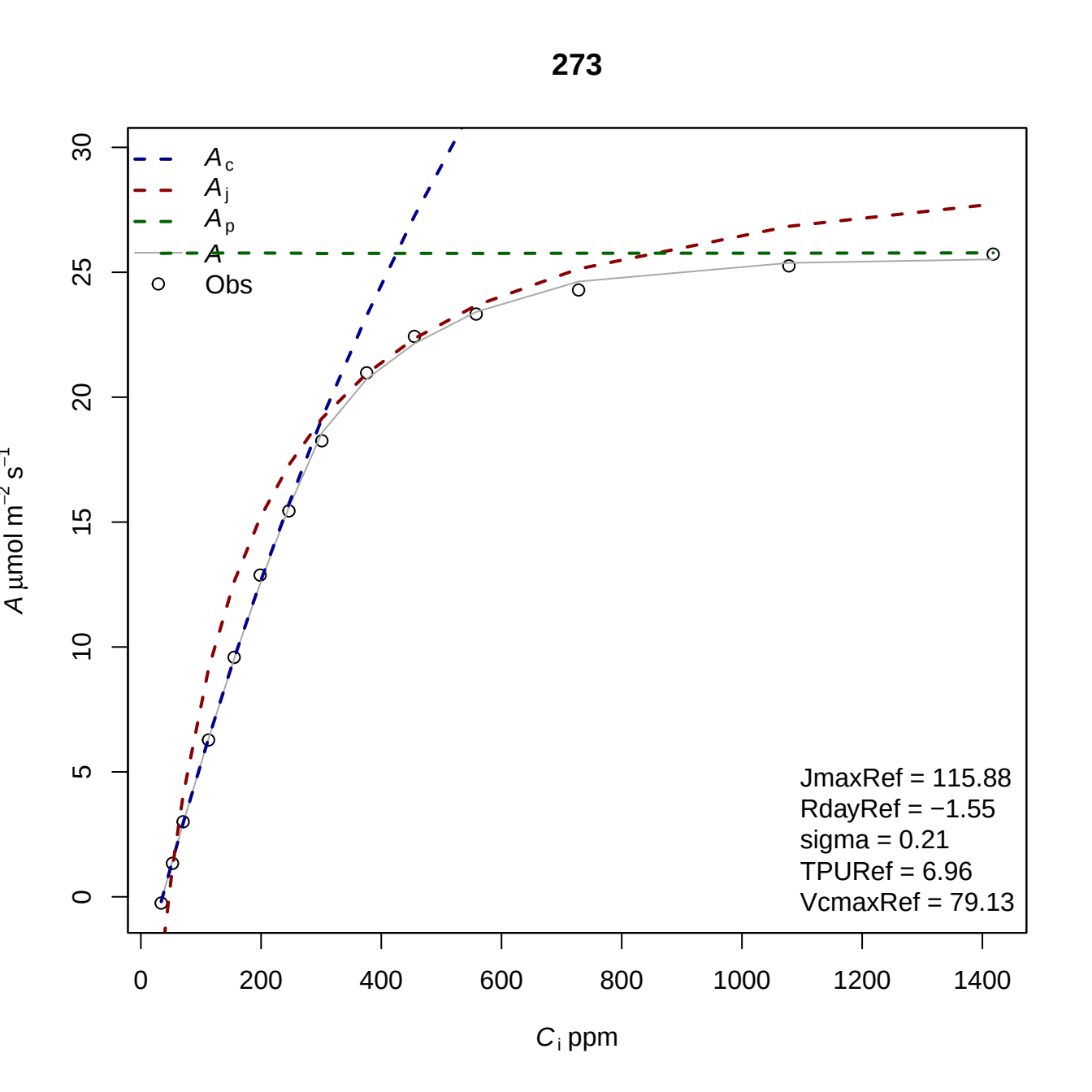

268
A_c
A_j
A_p
A
Obs
JmaxRef = 100.07
RdayRef = 1.01
sigma = 0.3
TPURef = 19462.31
VcmaxRef = 48.59
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200
1400

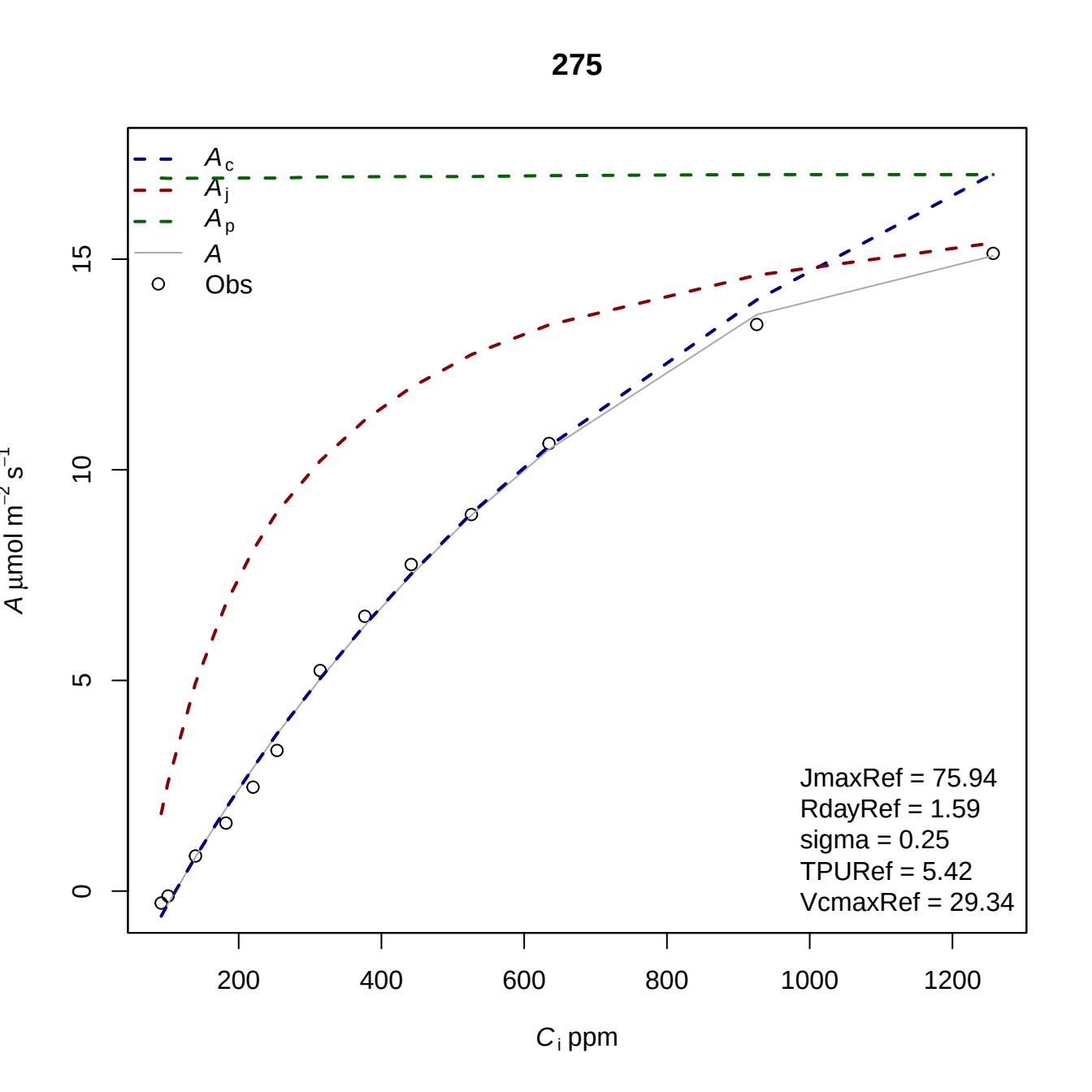

269
A_c
A_j
A_p
A
Obs
JmaxRef = 108.01
RdayRef = 1.1
sigma = 0.48
TPURef = 10.79
VcmaxRef = 46.66
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200
1400

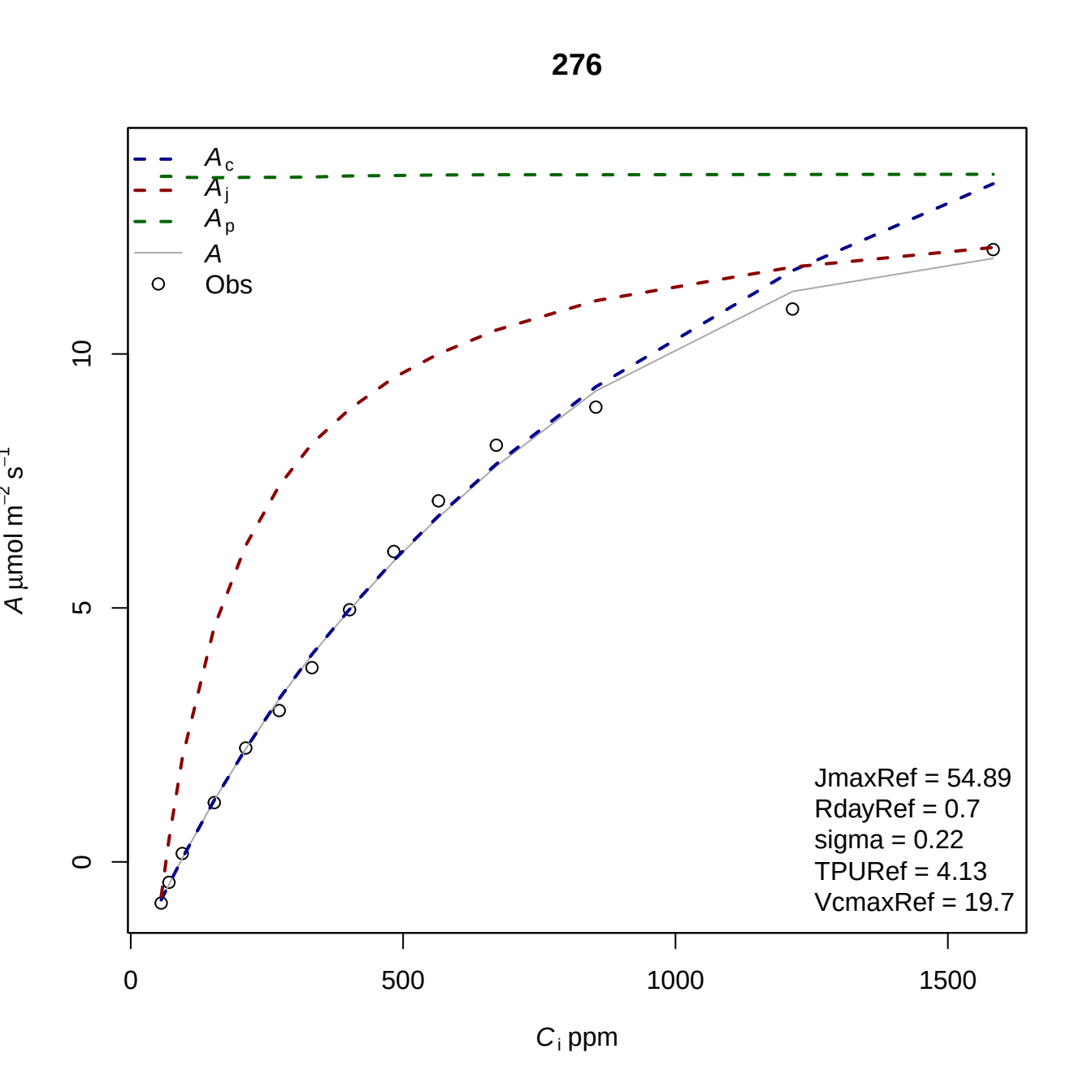

270
A_c
A_j
A_p
A
Obs
JmaxRef = 124.51
RdayRef = 0.14
sigma = 0.31
TPURef = 7.57
VcmaxRef = 91.87
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200
1400

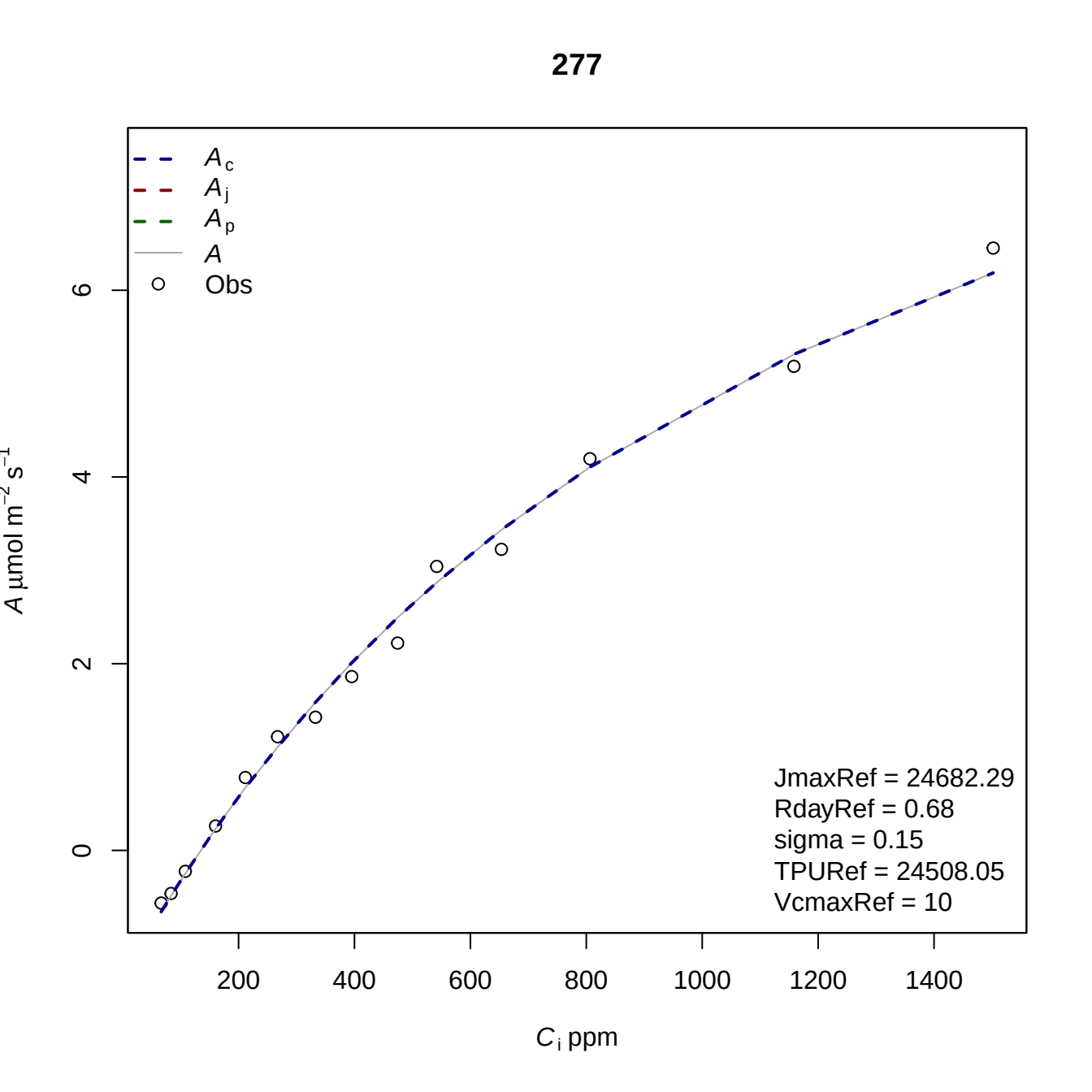

271
A_c
A_j
A_p
A
Obs
JmaxRef = 122.82
RdayRef = 0.57
sigma = 0.33
TPURef = 8.28
VcmaxRef = 83.88
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200

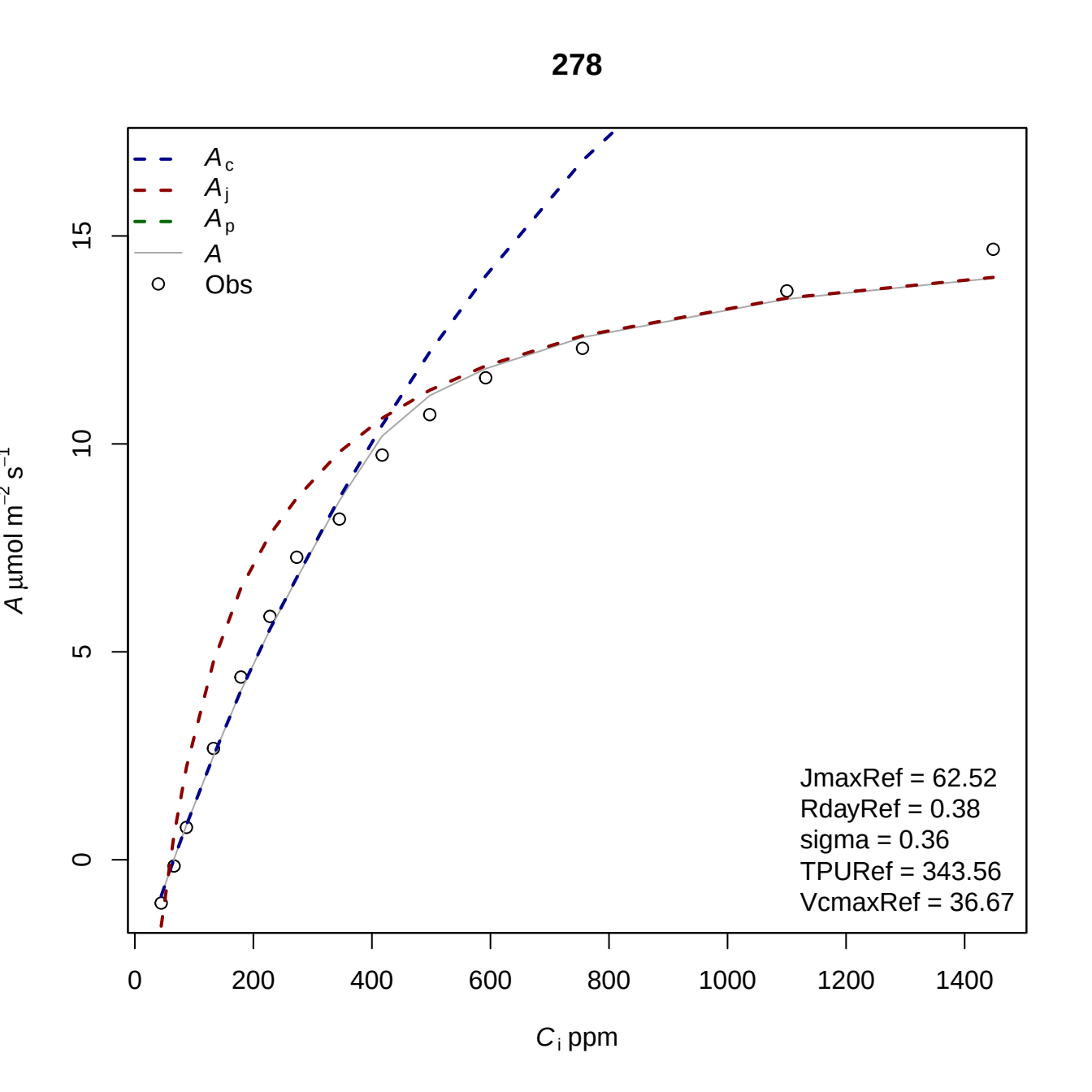

272
A_c
A_j
A_p
A
Obs
JmaxRef = 144.38
RdayRef = −0.09
sigma = 0.11
TPURef = 8.76
VcmaxRef = 82.78
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400

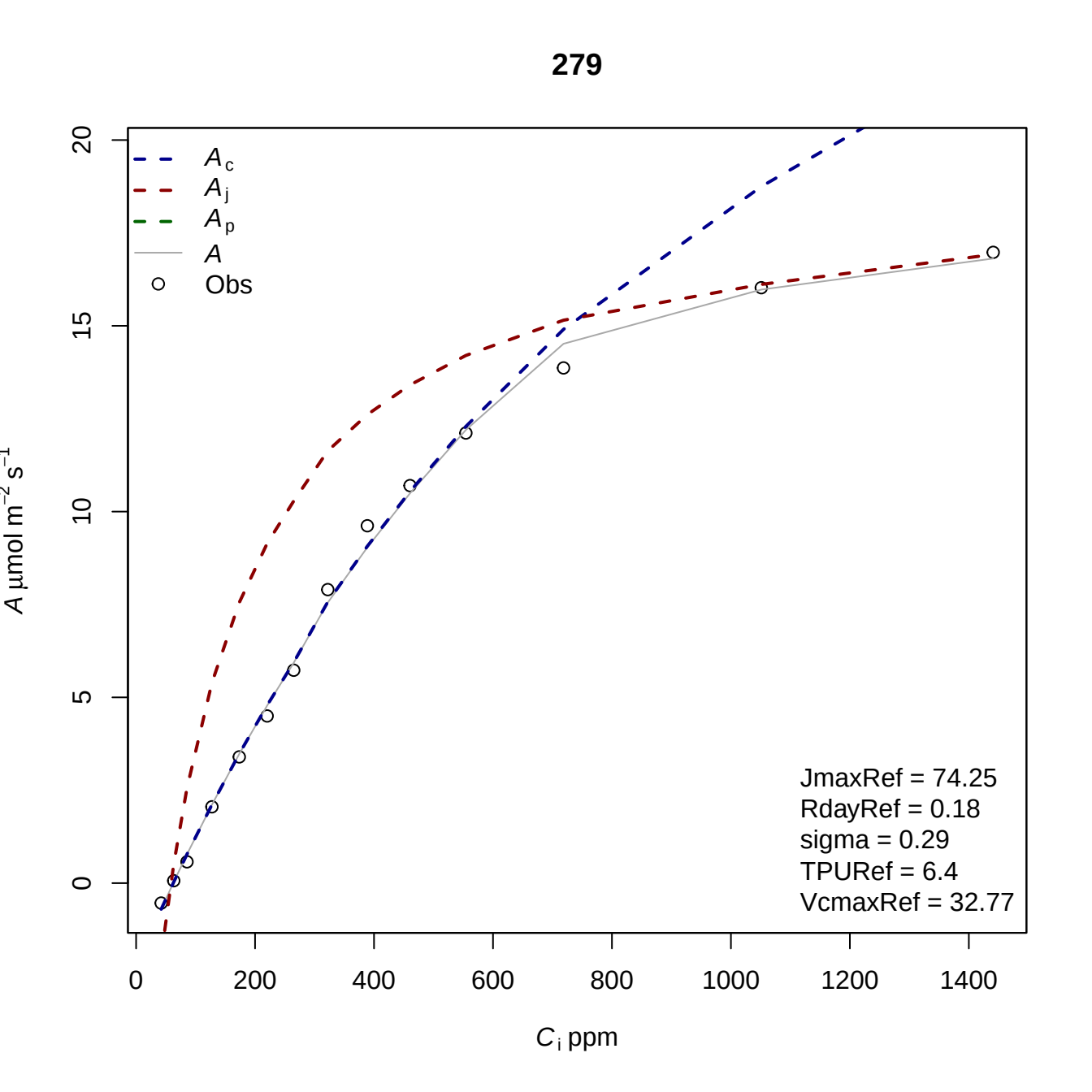

273
A_c
A_j
A_p
A
Obs
JmaxRef = 115.88
RdayRef = −1.55
sigma = 0.21
TPURef = 6.96
VcmaxRef = 79.13
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

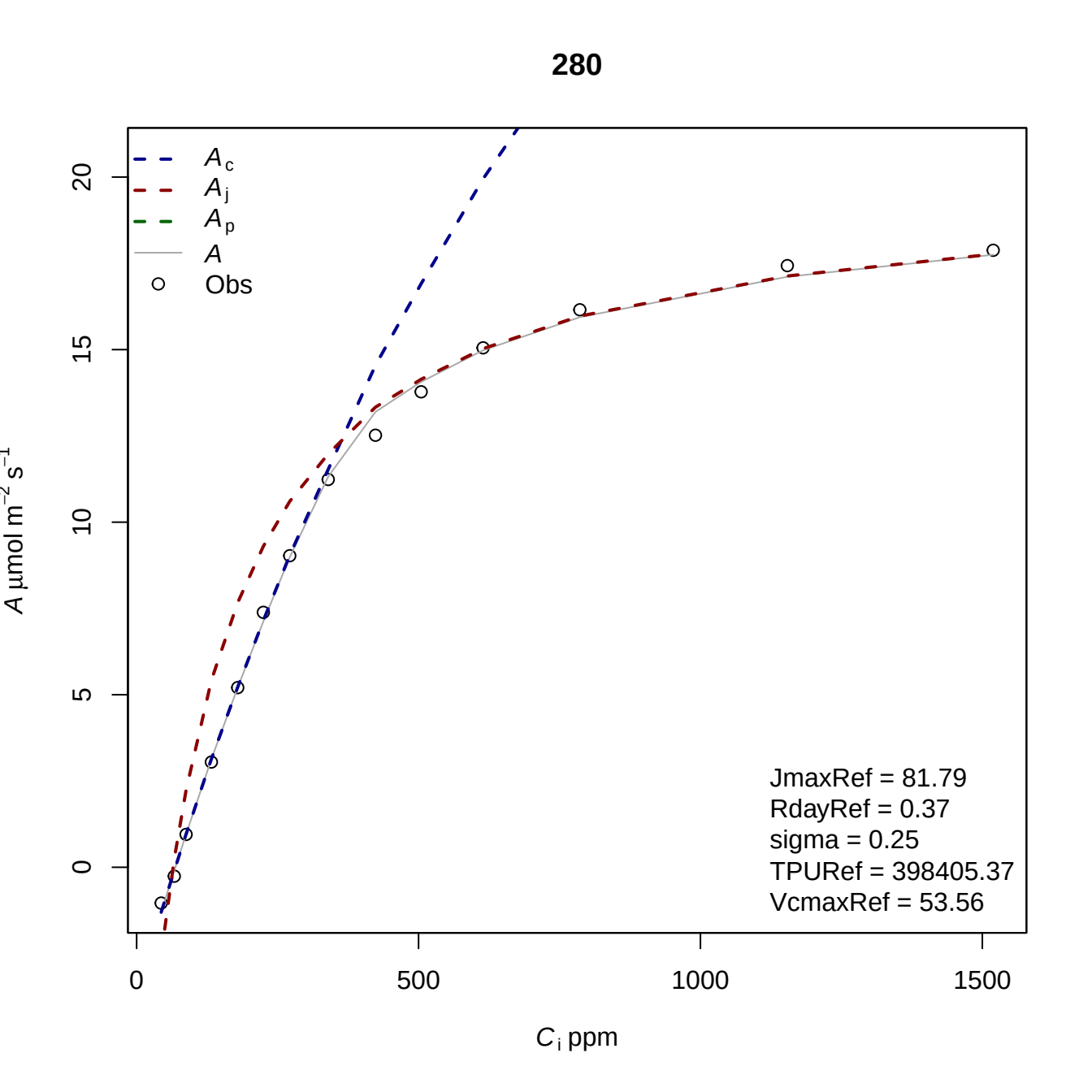

275
A_c
A_j
A_p
A
Obs
JmaxRef = 75.94
RdayRef = 1.59
sigma = 0.25
TPURef = 5.42
VcmaxRef = 29.34
0
5
10
15
200
400
600
800
1000
1200
A µmol m^{-2} s^{-1}
C_i ppm

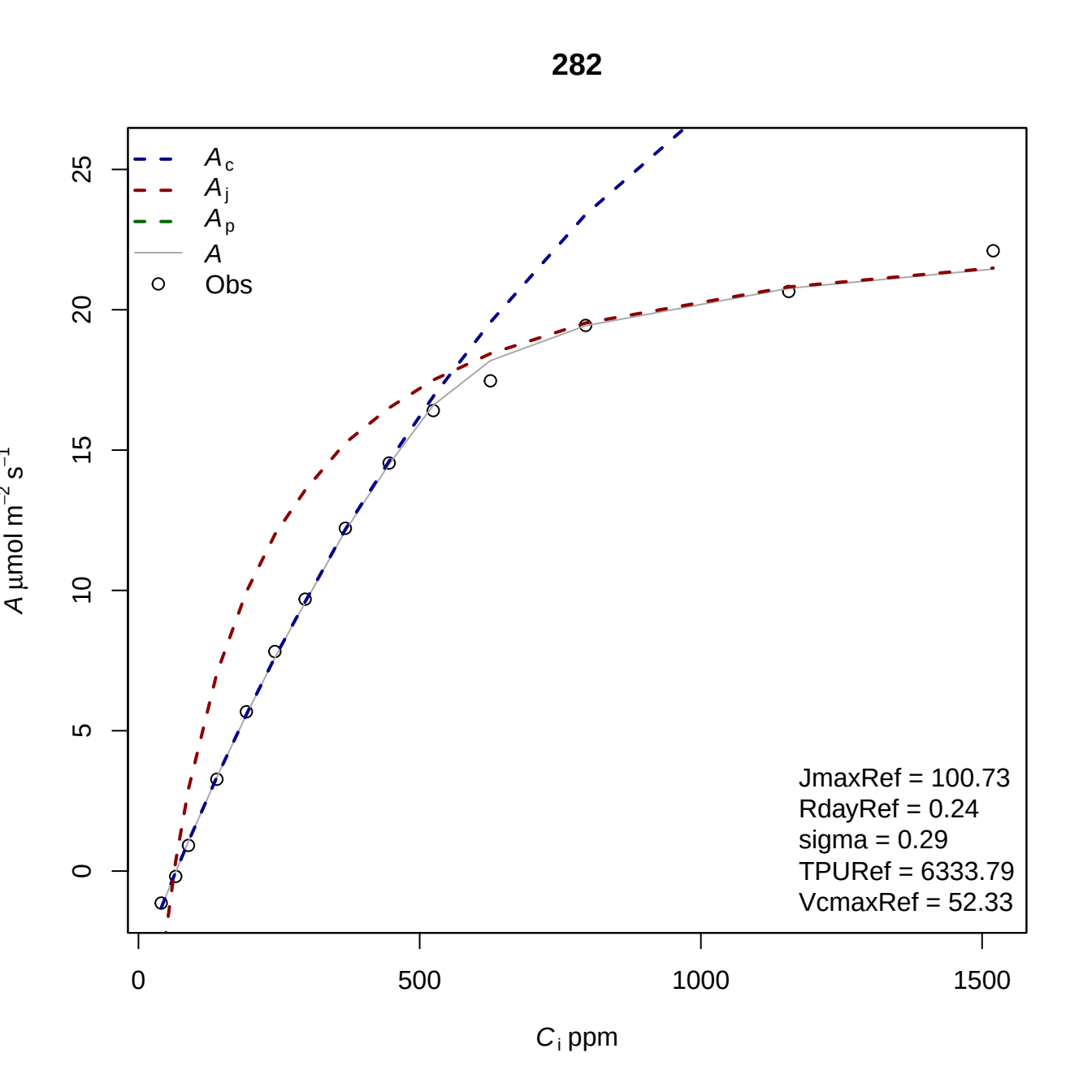

276
A_c
A_j
A_p
A
Obs
JmaxRef = 54.89
RdayRef = 0.7
sigma = 0.22
TPURef = 4.13
VcmaxRef = 19.7
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
0
500
1000
1500

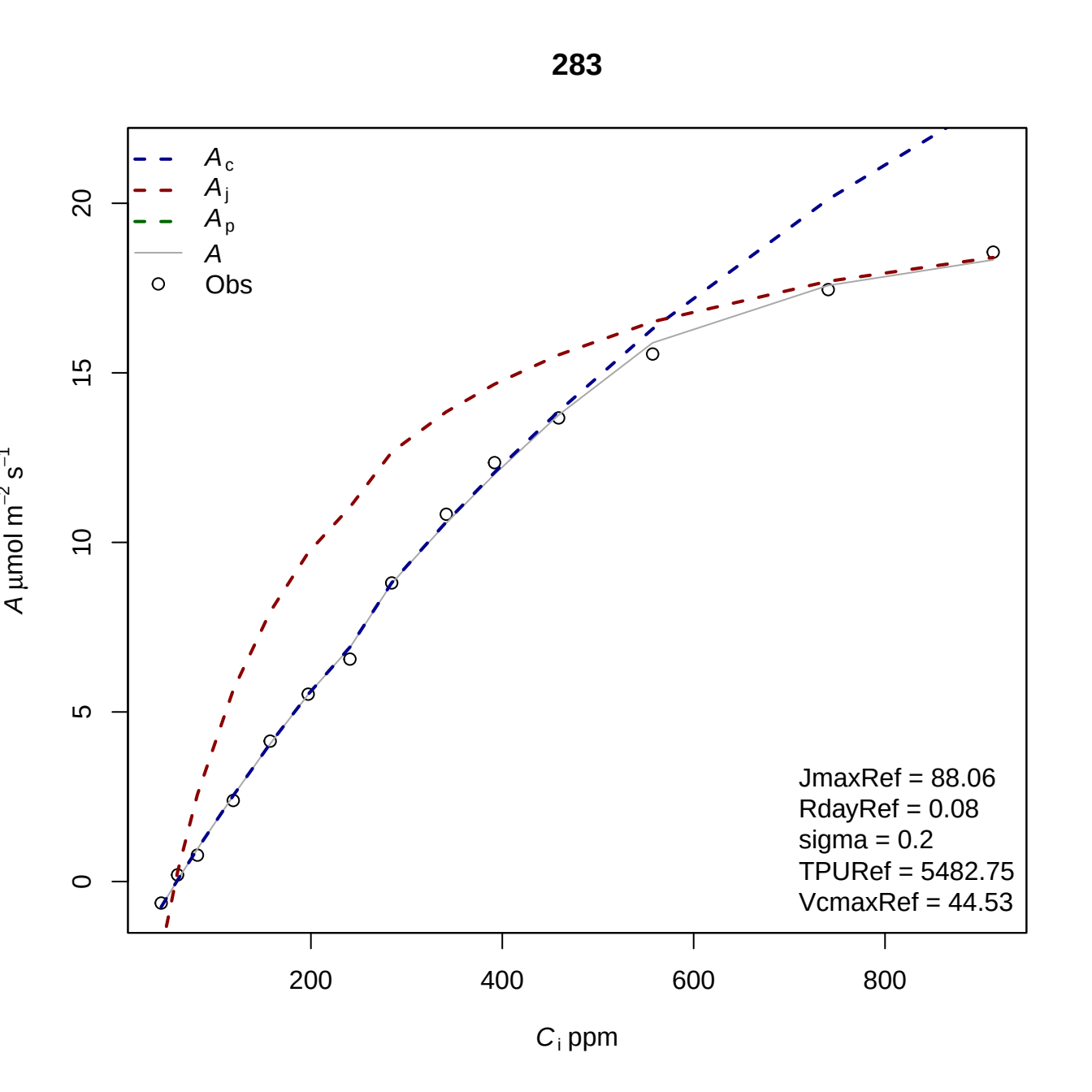

277
A_c
A_j
A_p
A
Obs
JmaxRef = 24682.29
RdayRef = 0.68
sigma = 0.15
TPURef = 24508.05
VcmaxRef = 10
0
2
4
6
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

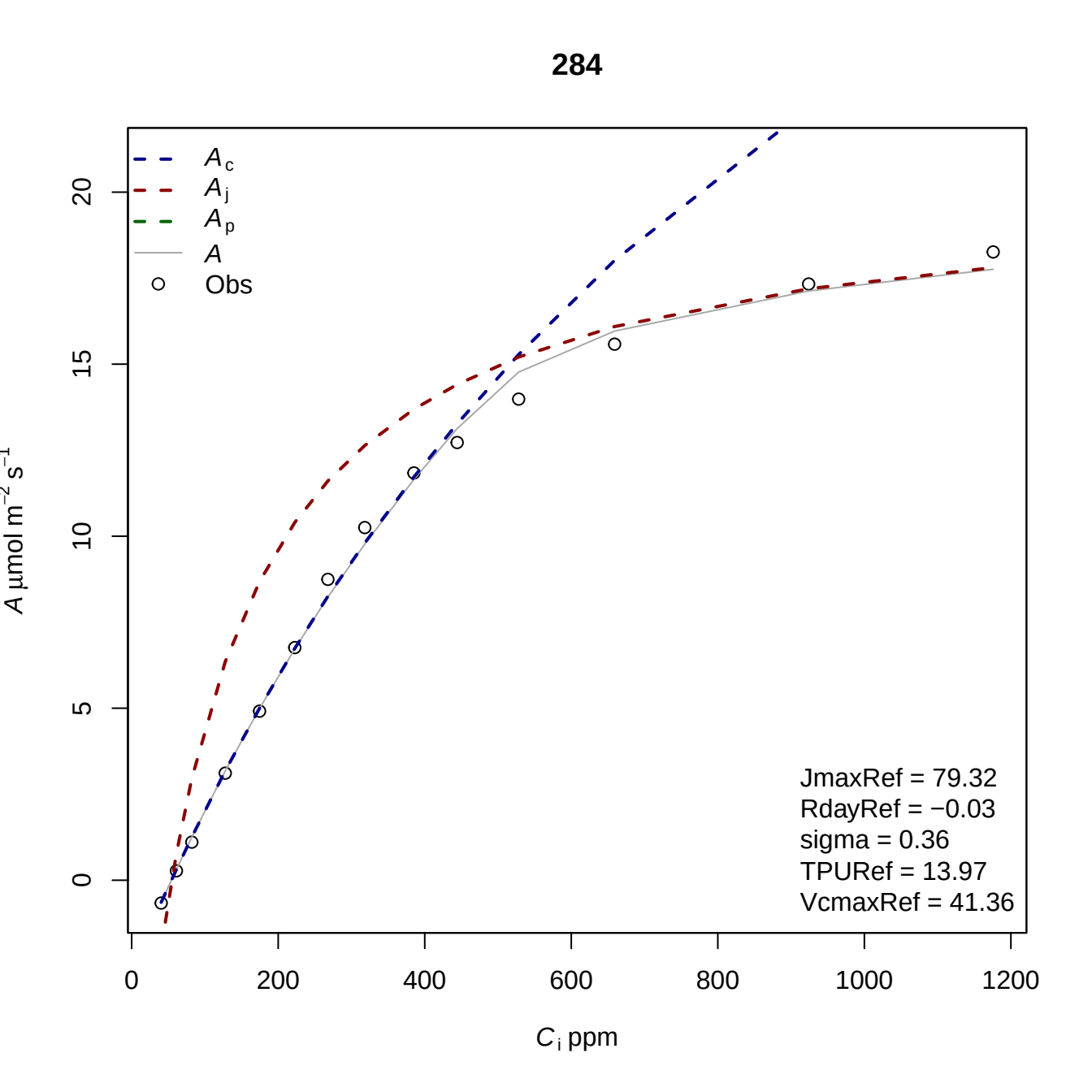

278
A_c
A_j
A_p
A
Obs
JmaxRef = 62.52
RdayRef = 0.38
sigma = 0.36
TPURef = 343.56
VcmaxRef = 36.67
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
200
400
600
800
1000
1200
1400

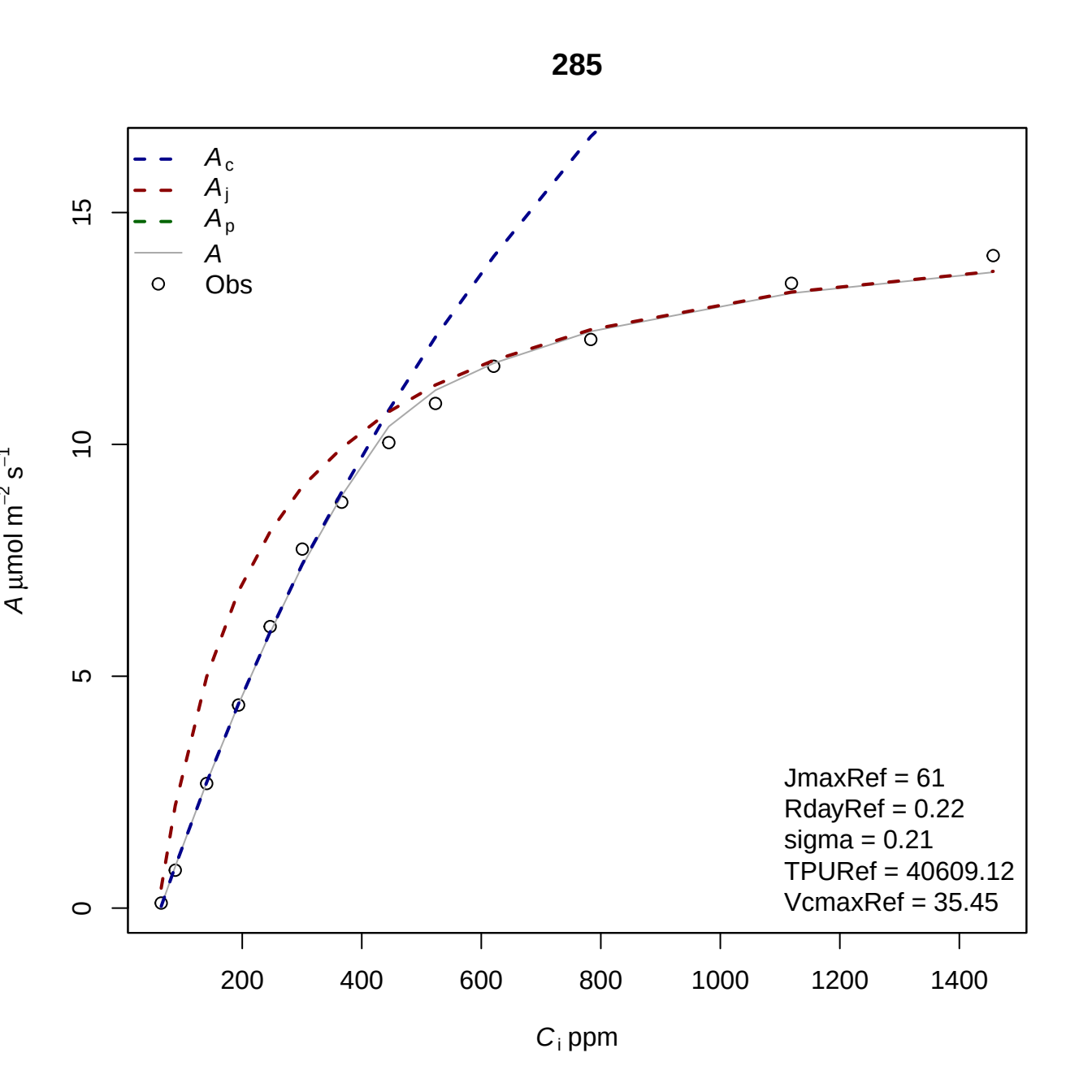

279
A_c
A_j
A_p
A
Obs
JmaxRef = 74.25
RdayRef = 0.18
sigma = 0.29
TPURef = 6.4
VcmaxRef = 32.77
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

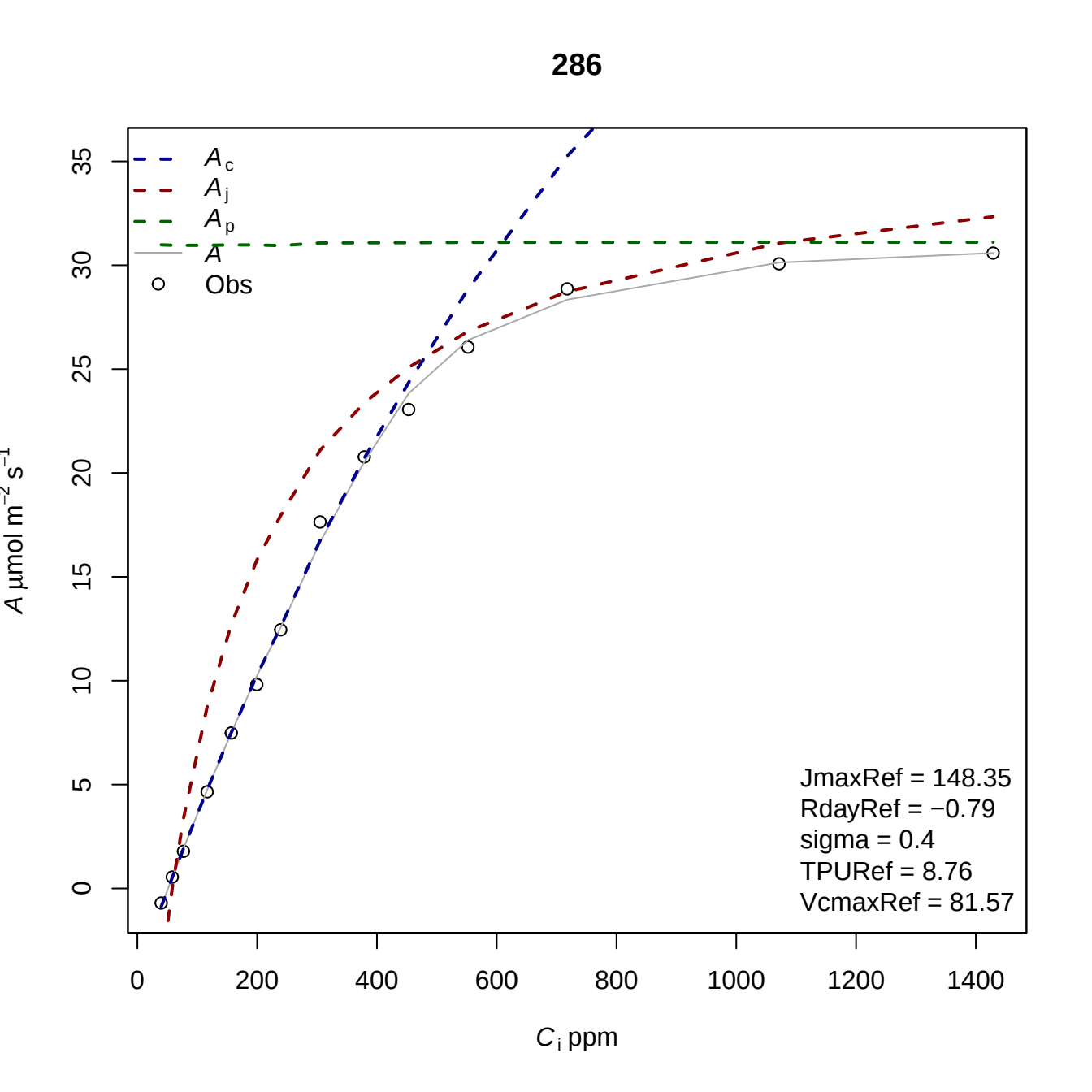

280
A_c
A_j
A_p
A
Obs
JmaxRef = 81.79
RdayRef = 0.37
sigma = 0.25
TPURef = 398405.37
VcmaxRef = 53.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

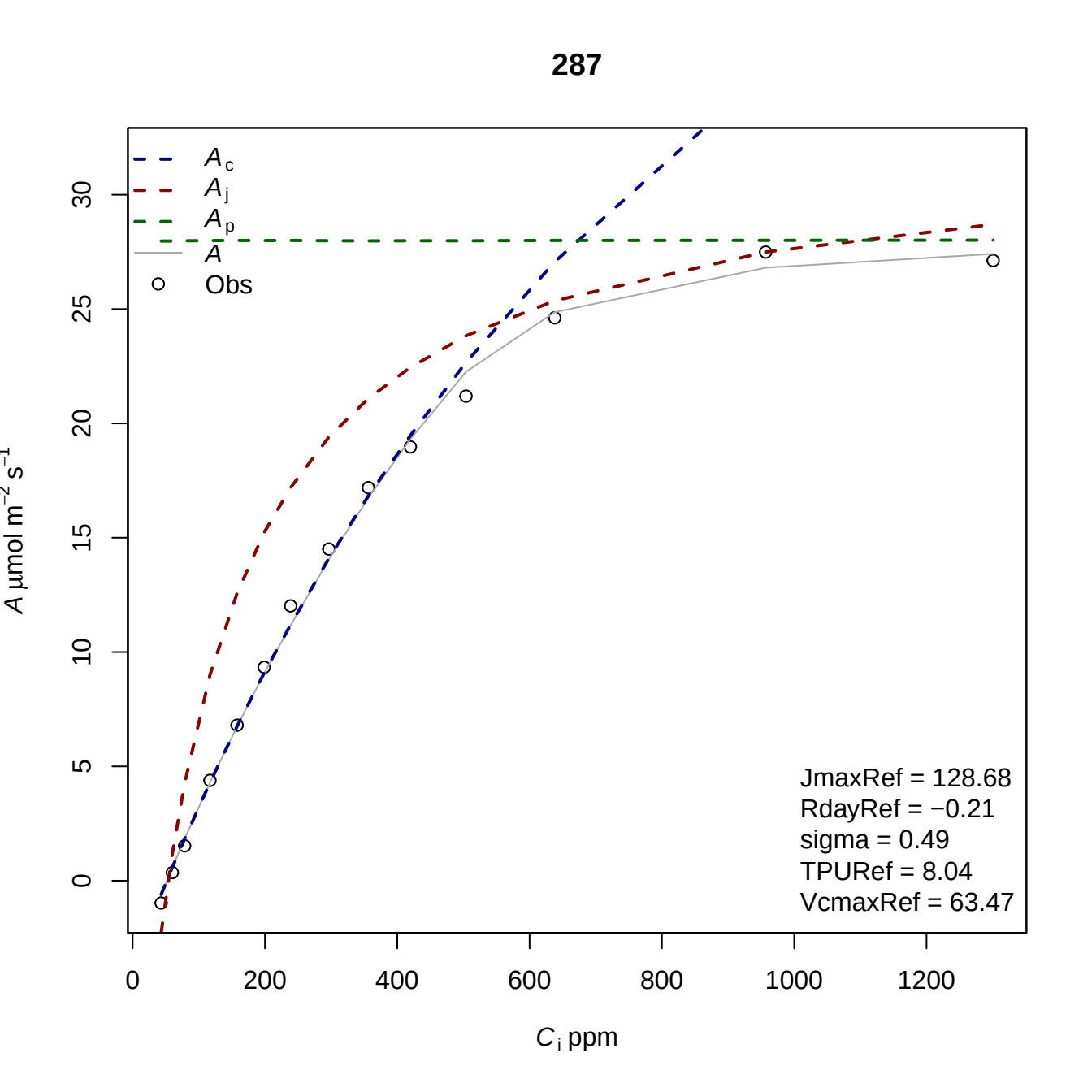

282
A_c
A_j
A_p
A
Obs
JmaxRef = 100.73
RdayRef = 0.24
sigma = 0.29
TPURef = 6333.79
VcmaxRef = 52.33
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

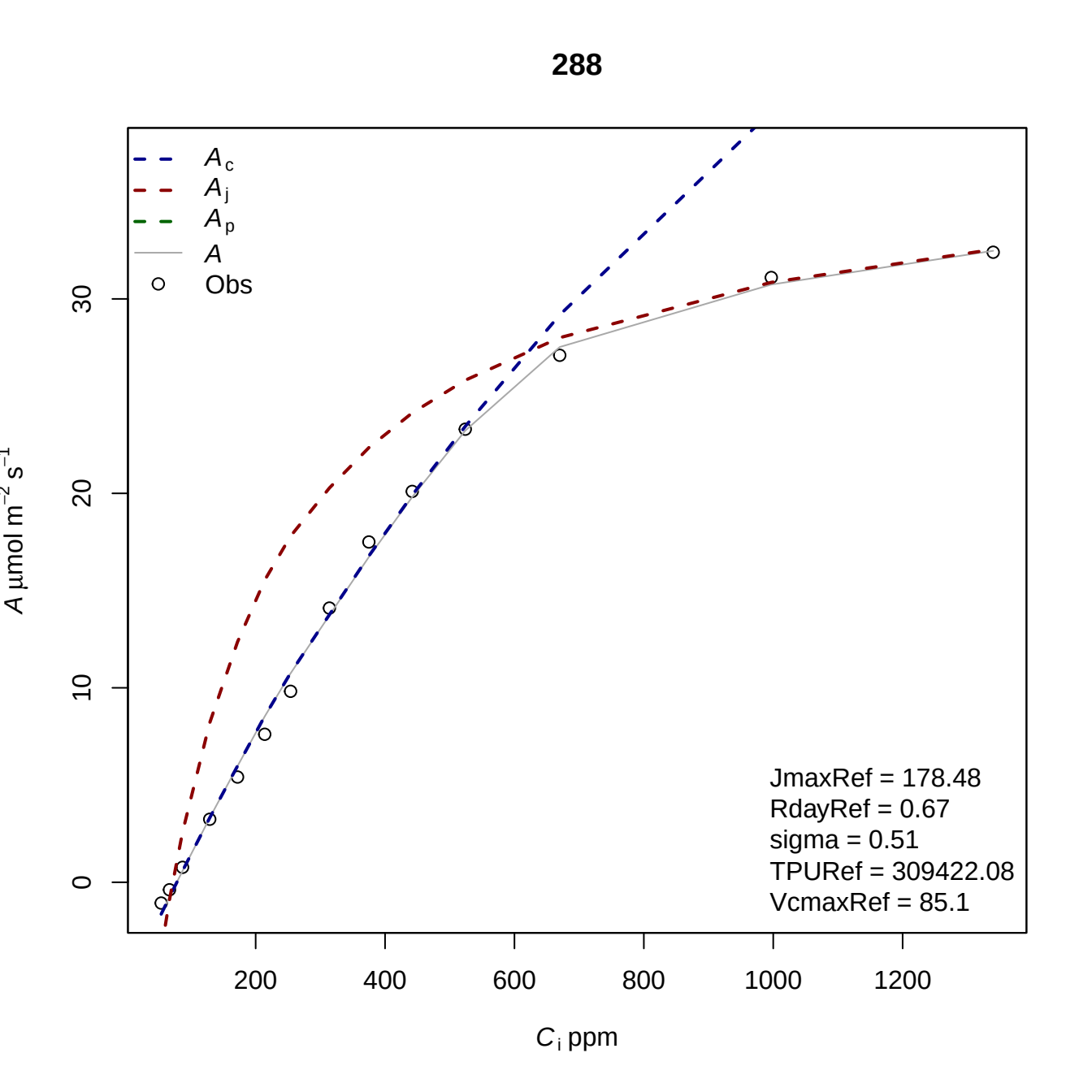

283
A_c
A_j
A_p
A
Obs
JmaxRef = 88.06
RdayRef = 0.08
sigma = 0.2
TPURef = 5482.75
VcmaxRef = 44.53
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800

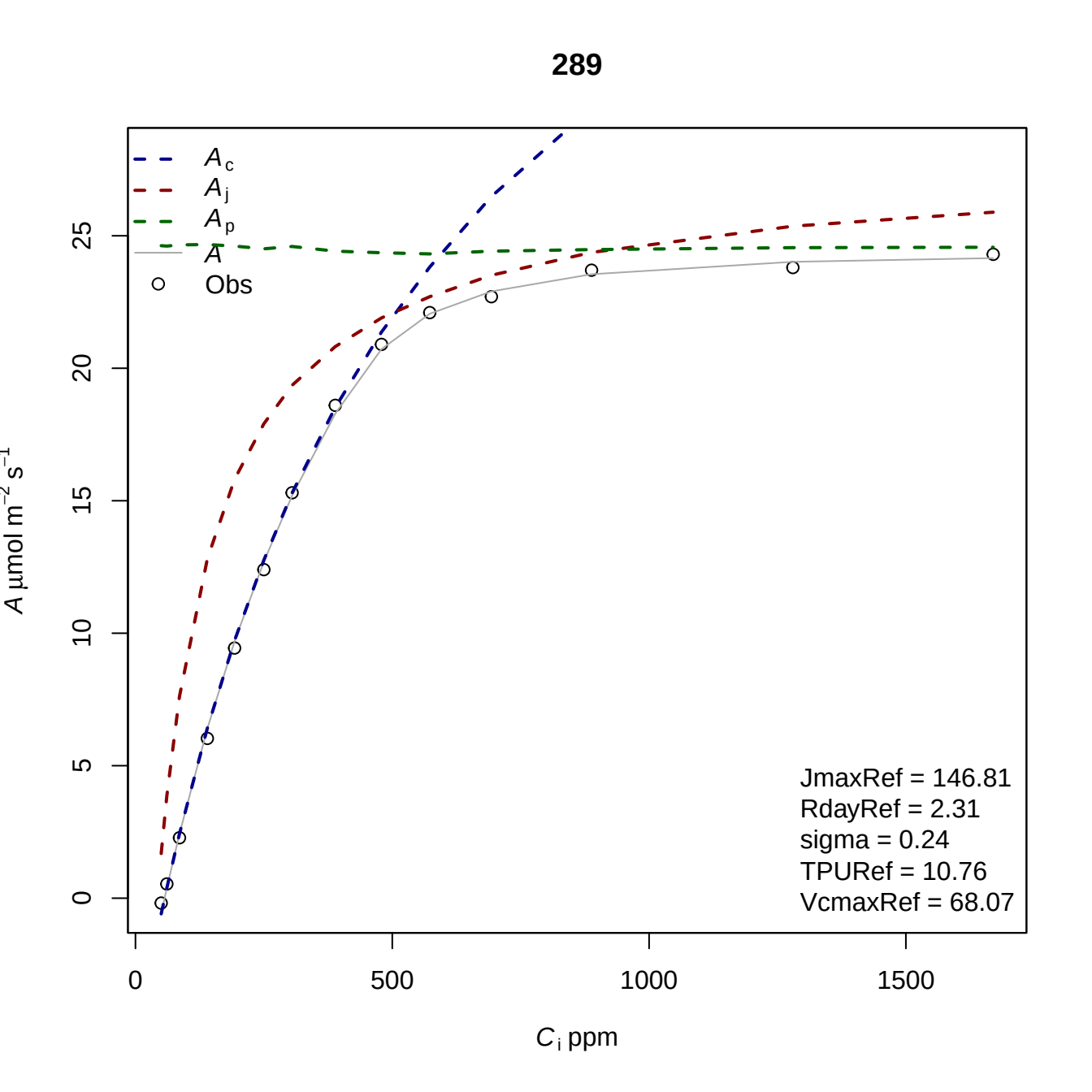

284
A_c
A_j
A_p
A
Obs
JmaxRef = 79.32
RdayRef = −0.03
sigma = 0.36
TPURef = 13.97
VcmaxRef = 41.36
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200

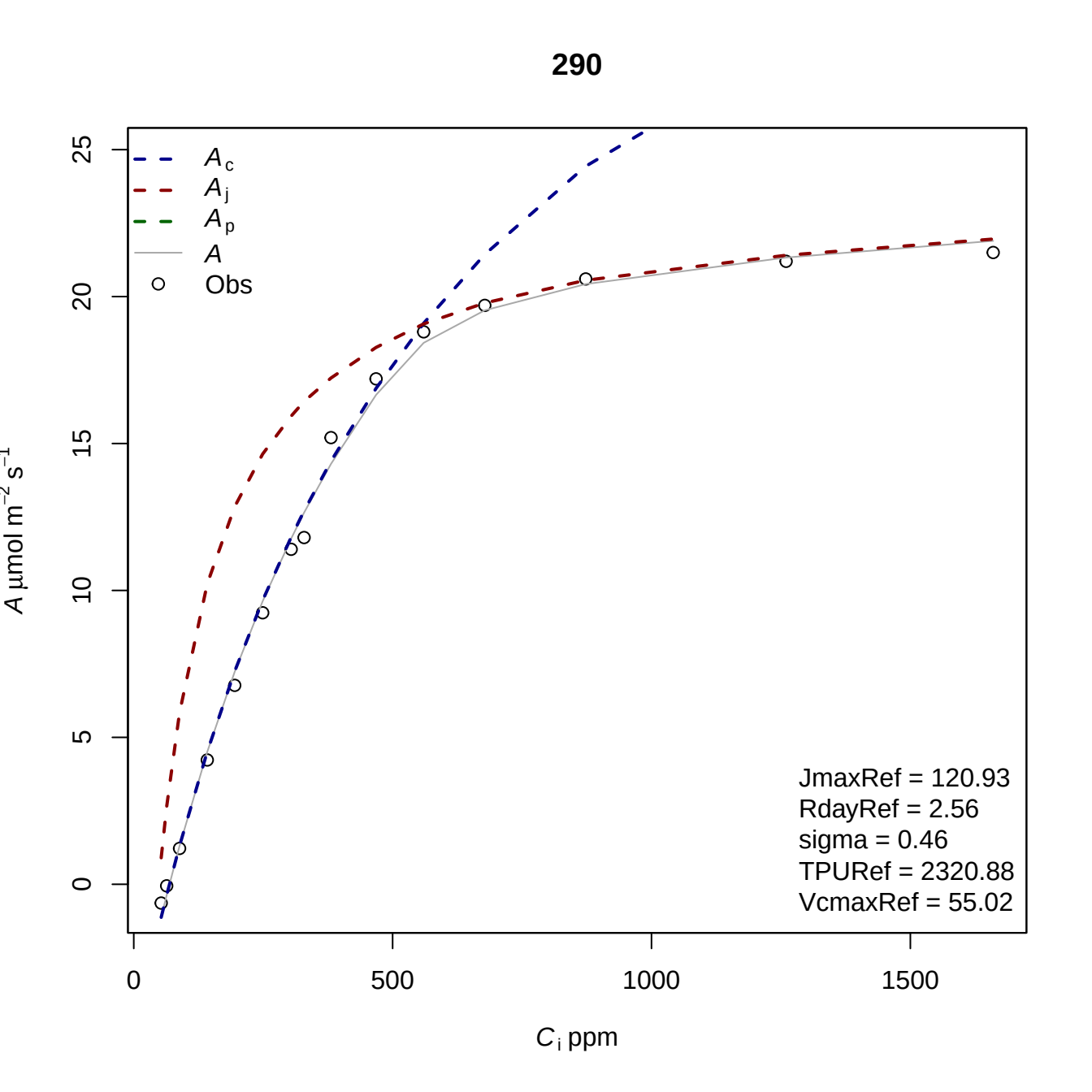

285
A_c
A_j
A_p
A
Obs
JmaxRef = 61
RdayRef = 0.22
sigma = 0.21
TPURef = 40609.12
VcmaxRef = 35.45
0
5
10
15
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

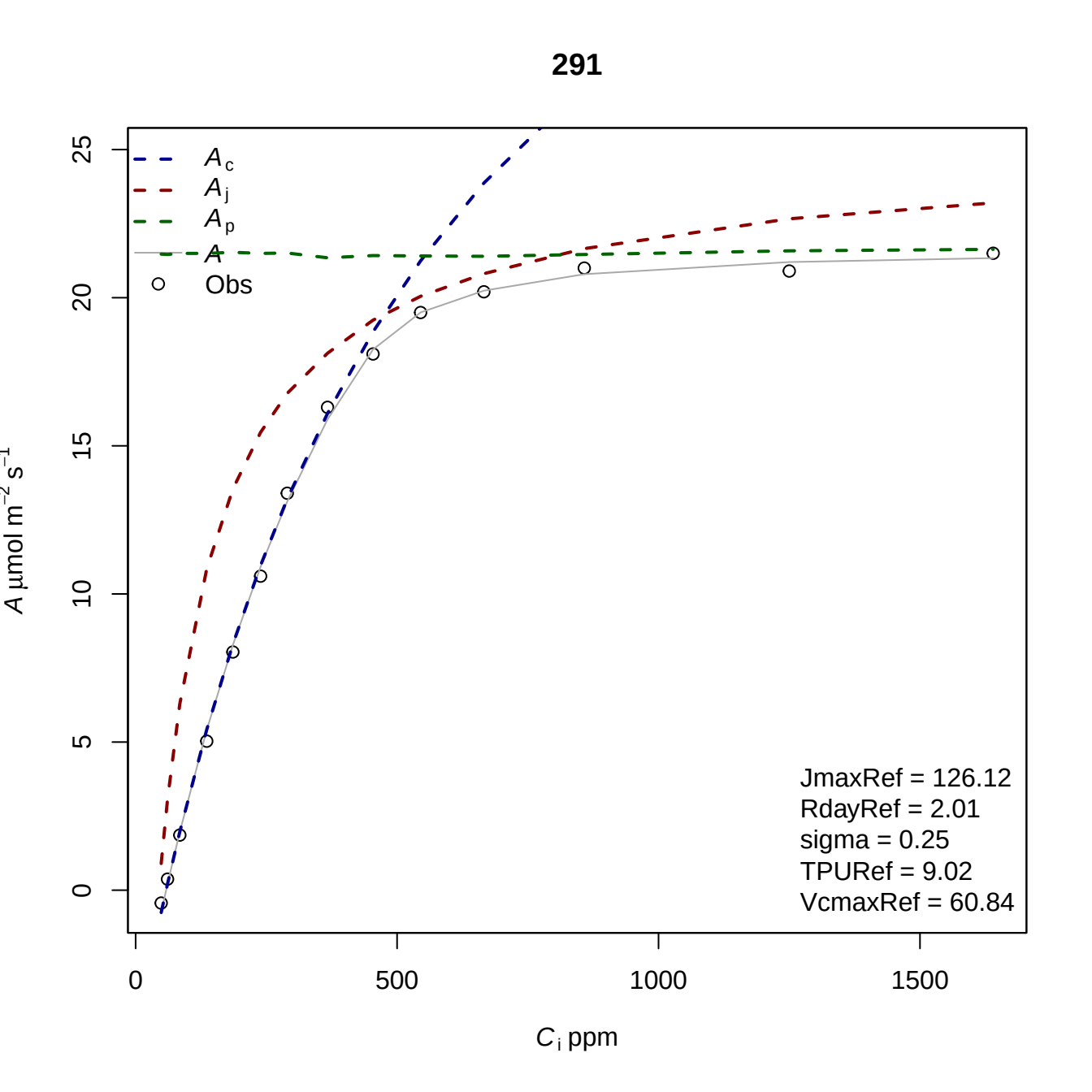

286
A_c
A_j
A_p
A
Obs
JmaxRef = 148.35
RdayRef = −0.79
sigma = 0.4
TPURef = 8.76
VcmaxRef = 81.57
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400

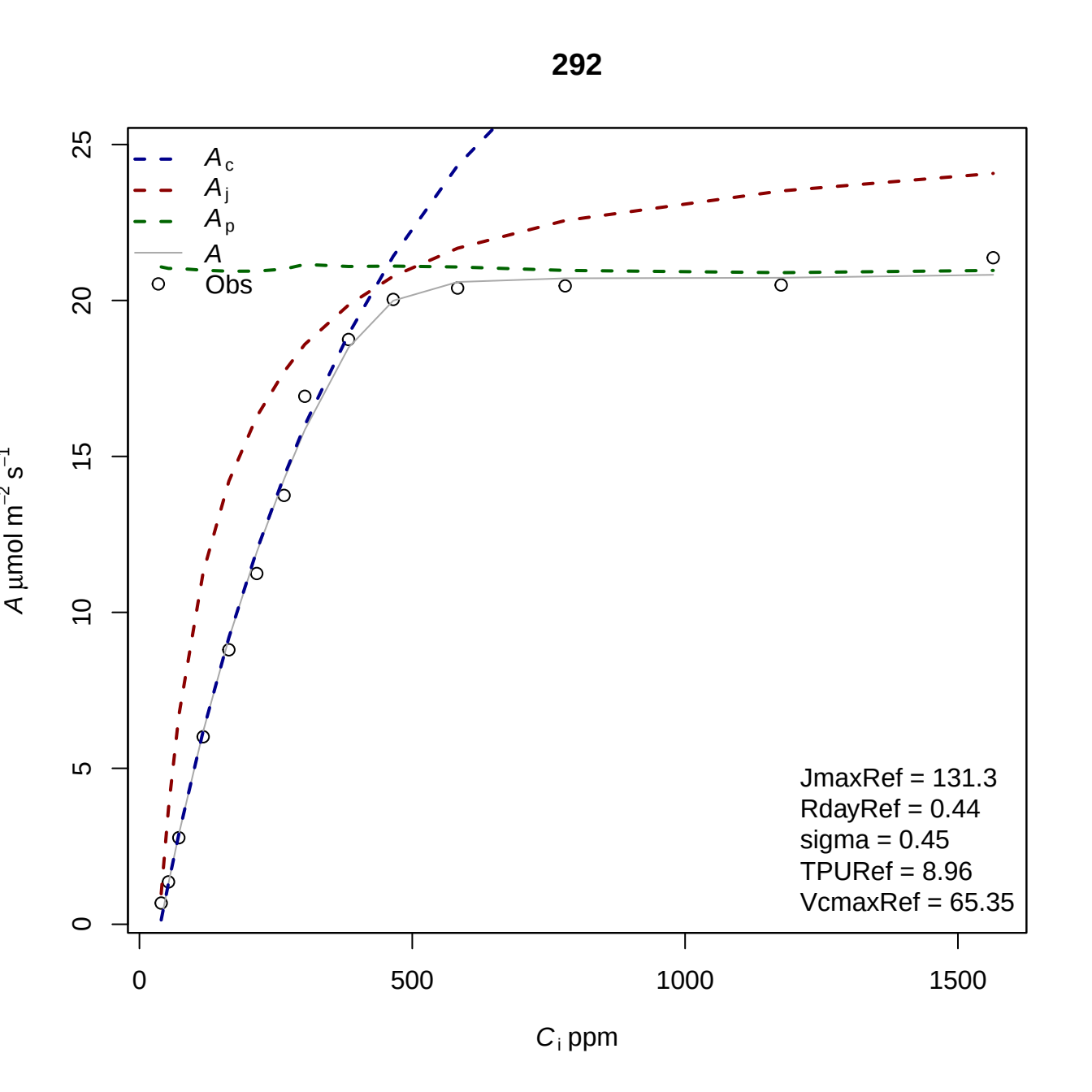

287
A_c
A_j
A_p
A
Obs
JmaxRef = 128.68
RdayRef = −0.21
sigma = 0.49
TPURef = 8.04
VcmaxRef = 63.47
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200

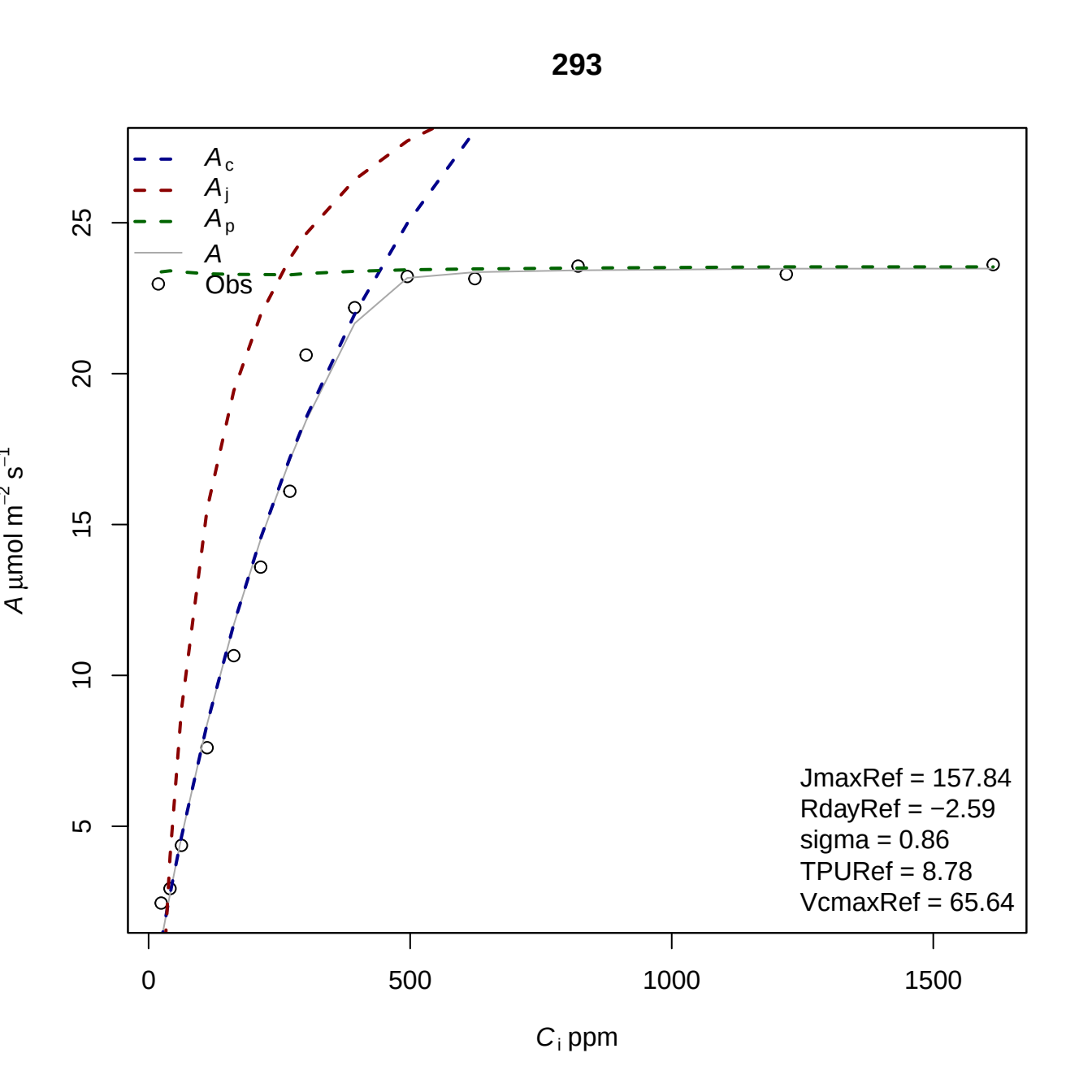

288
A_c
A_j
A_p
A
Obs
JmaxRef = 178.48
RdayRef = 0.67
sigma = 0.51
TPURef = 309422.08
VcmaxRef = 85.1
0
10
20
30
200
400
600
800
1000
1200
A µmol m^{-2} s^{-1}
C_i ppm

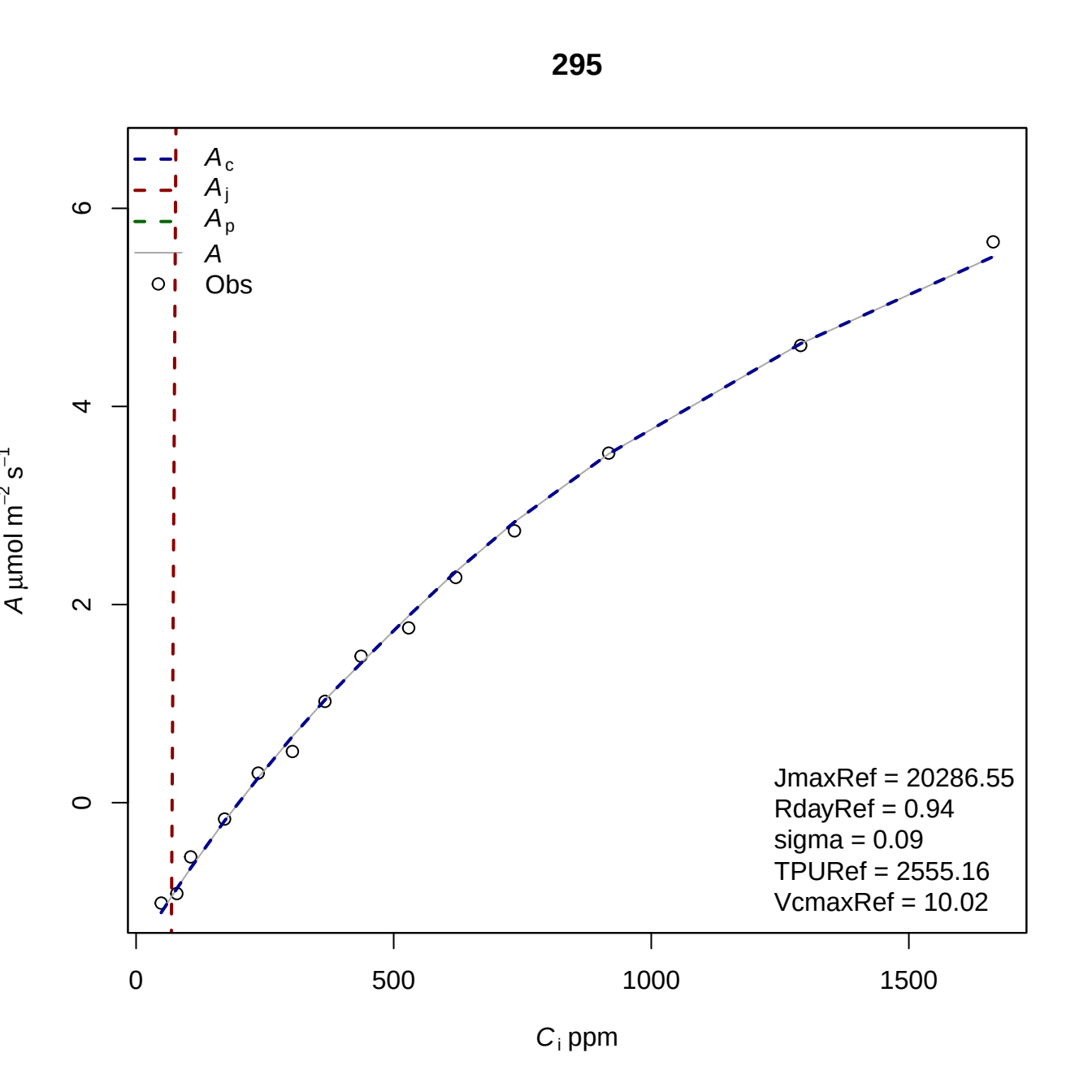

289
A_c
A_j
A_p
A
Obs
JmaxRef = 146.81
RdayRef = 2.31
sigma = 0.24
TPURef = 10.76
VcmaxRef = 68.07
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

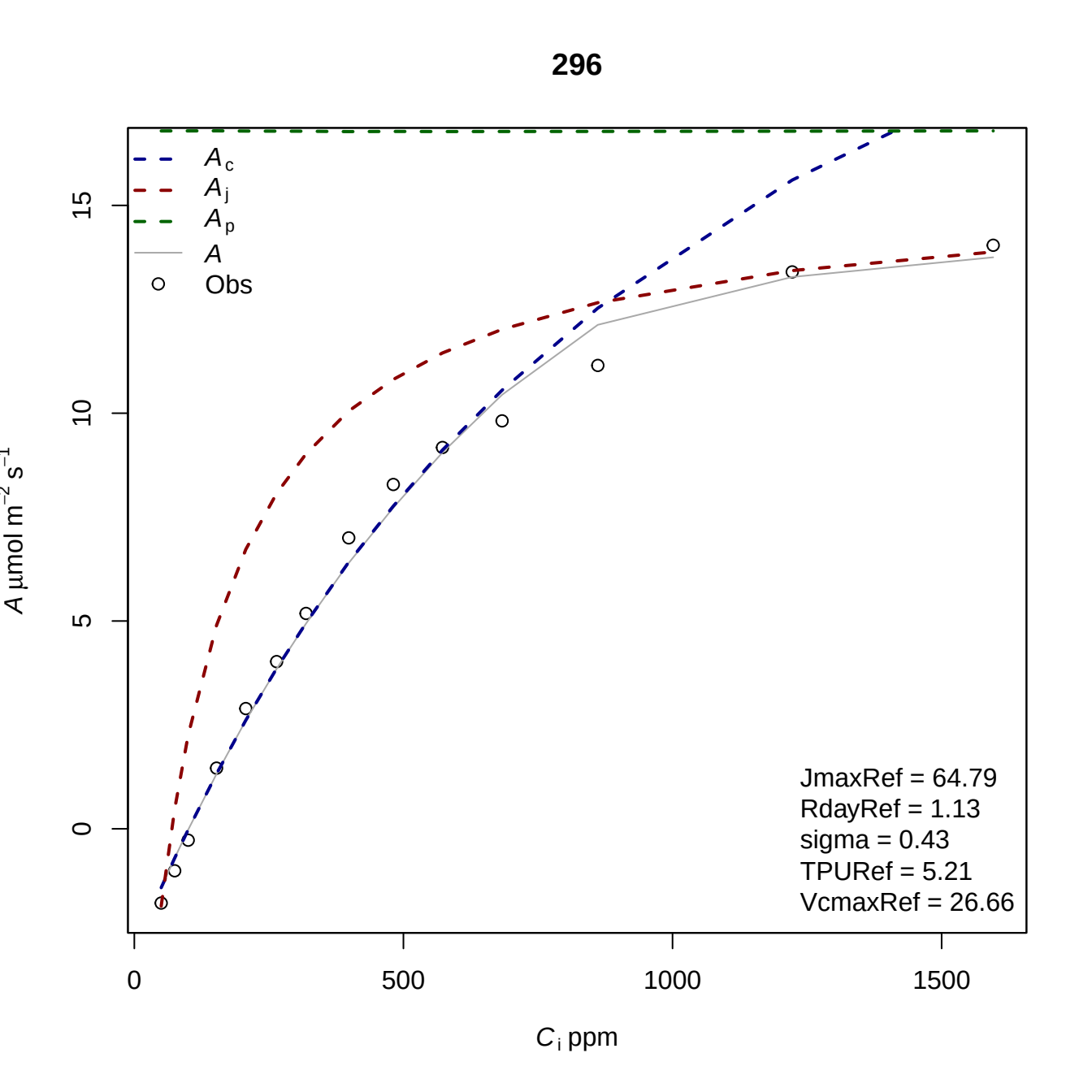

290
A_c
A_j
A_p
A
Obs
JmaxRef = 120.93
RdayRef = 2.56
sigma = 0.46
TPURef = 2320.88
VcmaxRef = 55.02
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

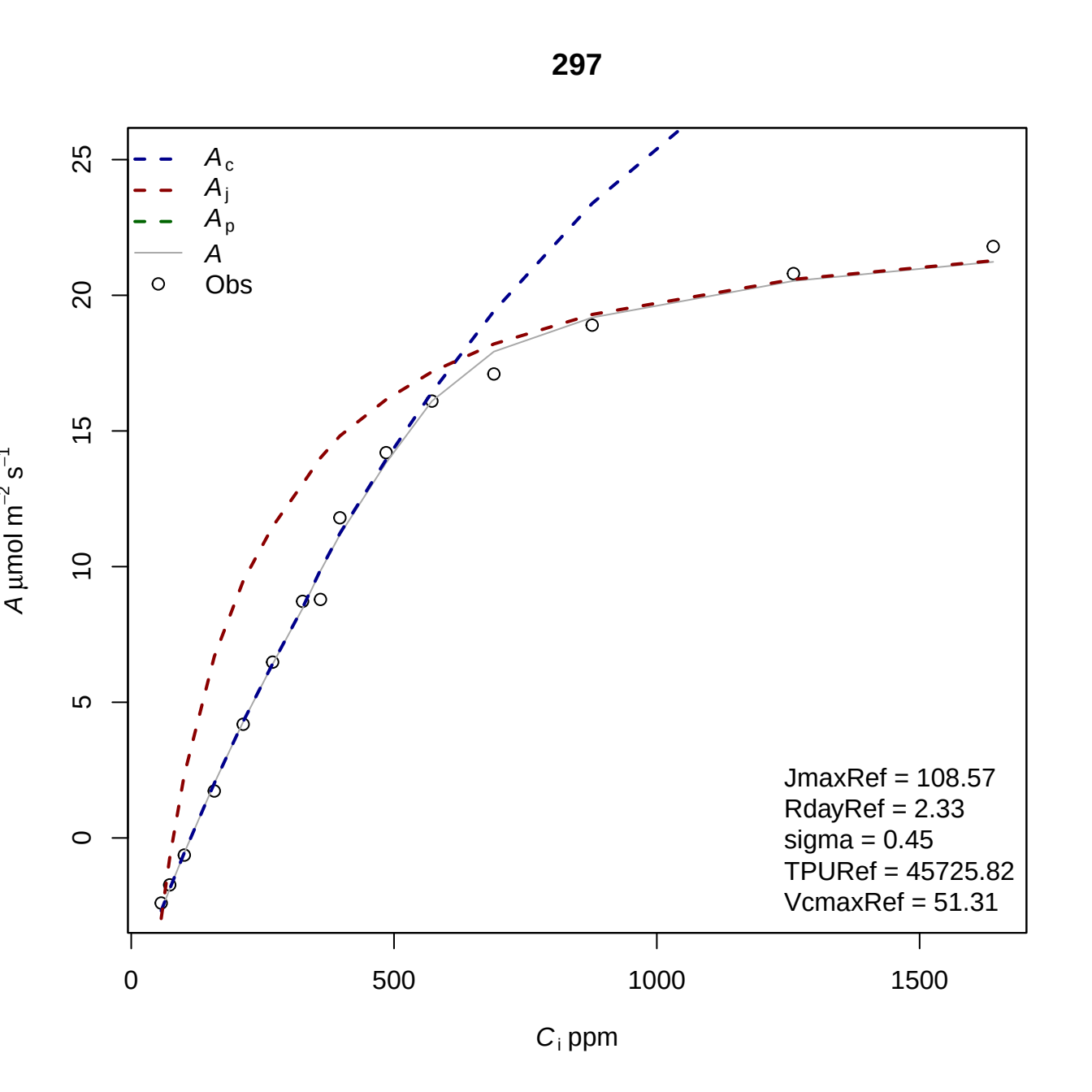

291
A_c
A_j
A_p
A
Obs
JmaxRef = 126.12
RdayRef = 2.01
sigma = 0.25
TPURef = 9.02
VcmaxRef = 60.84
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

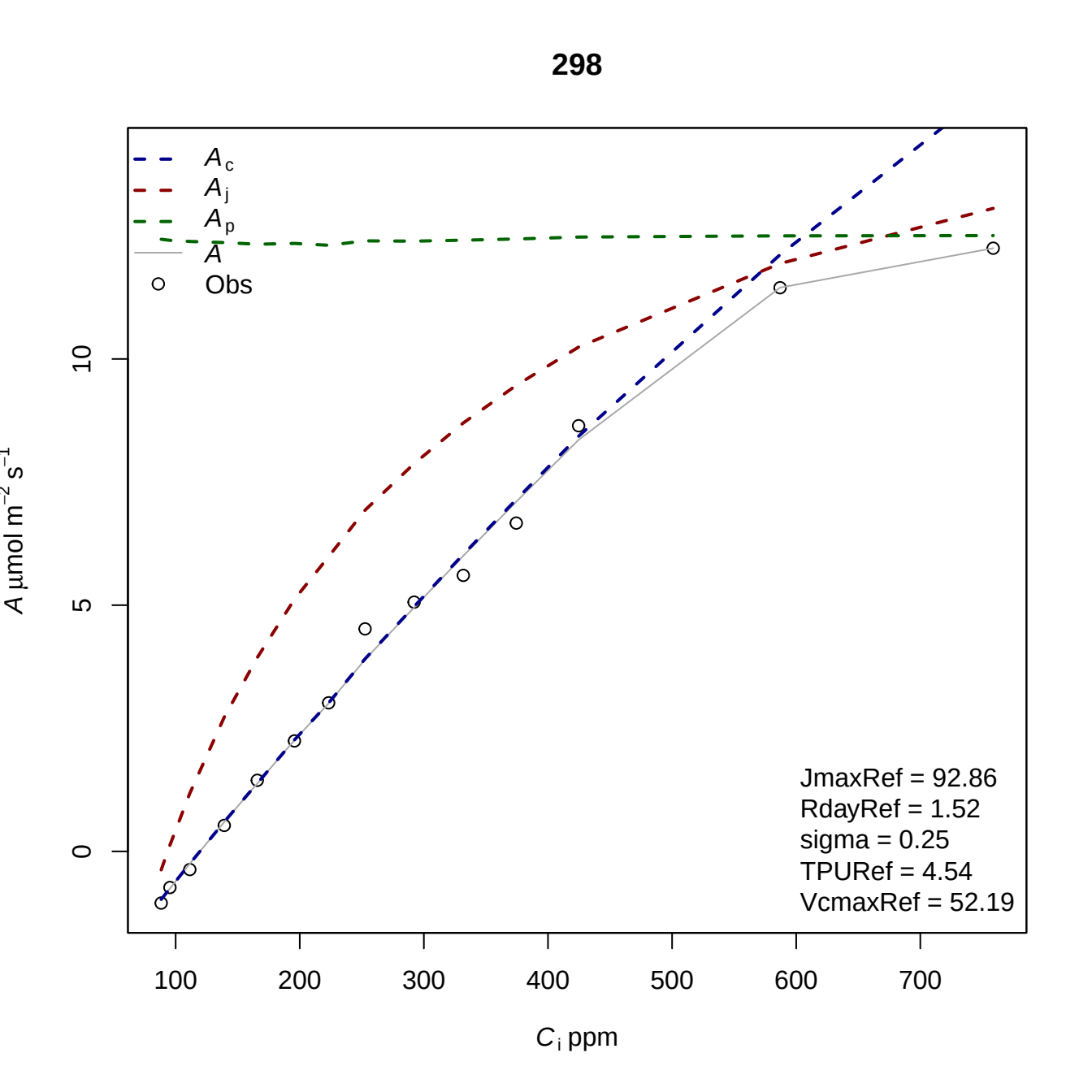

292
A_c
A_j
A_p
A
Obs
JmaxRef = 131.3
RdayRef = 0.44
sigma = 0.45
TPURef = 8.96
VcmaxRef = 65.35
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

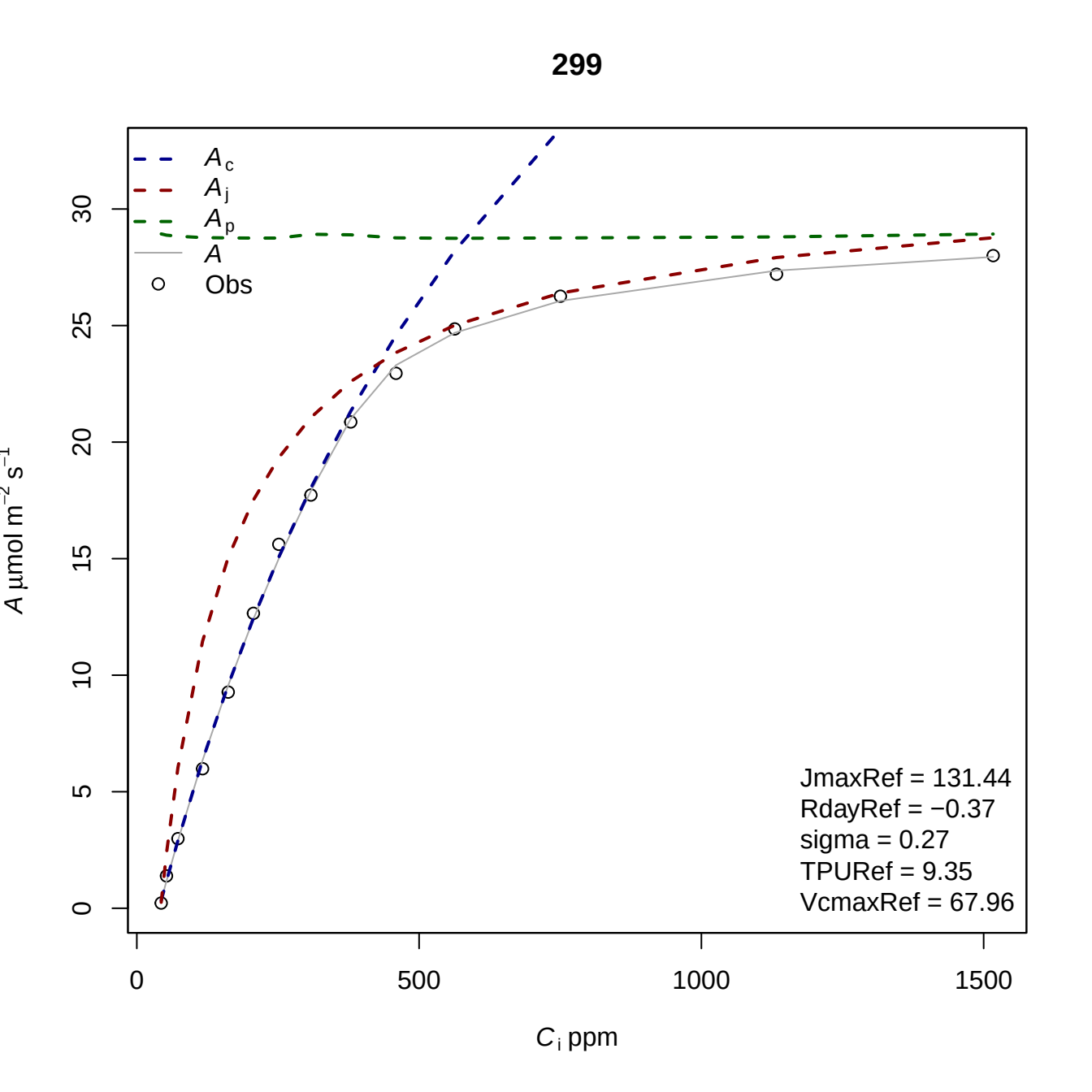

293
A_c
A_j
A_p
A
Obs
JmaxRef = 157.84
RdayRef = −2.59
sigma = 0.86
TPURef = 8.78
VcmaxRef = 65.64
A µmol m^{-2} s^{-1}
C_i ppm
0
500
1000
1500
5
10
15
20
25

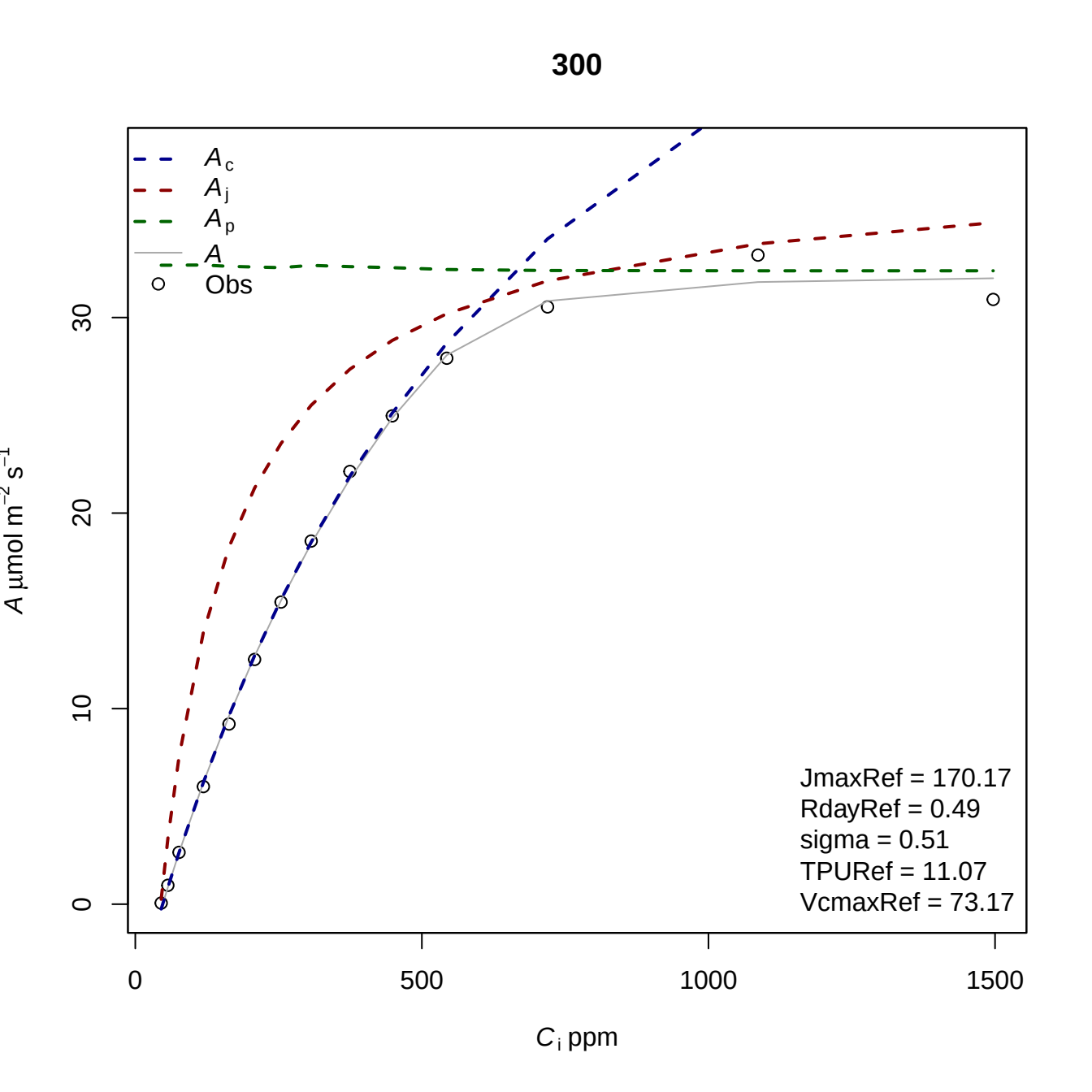

295
A_c
A_j
A_p
A
Obs
JmaxRef = 20286.55
RdayRef = 0.94
sigma = 0.09
TPURef = 2555.16
VcmaxRef = 10.02
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
0
500
1000
1500

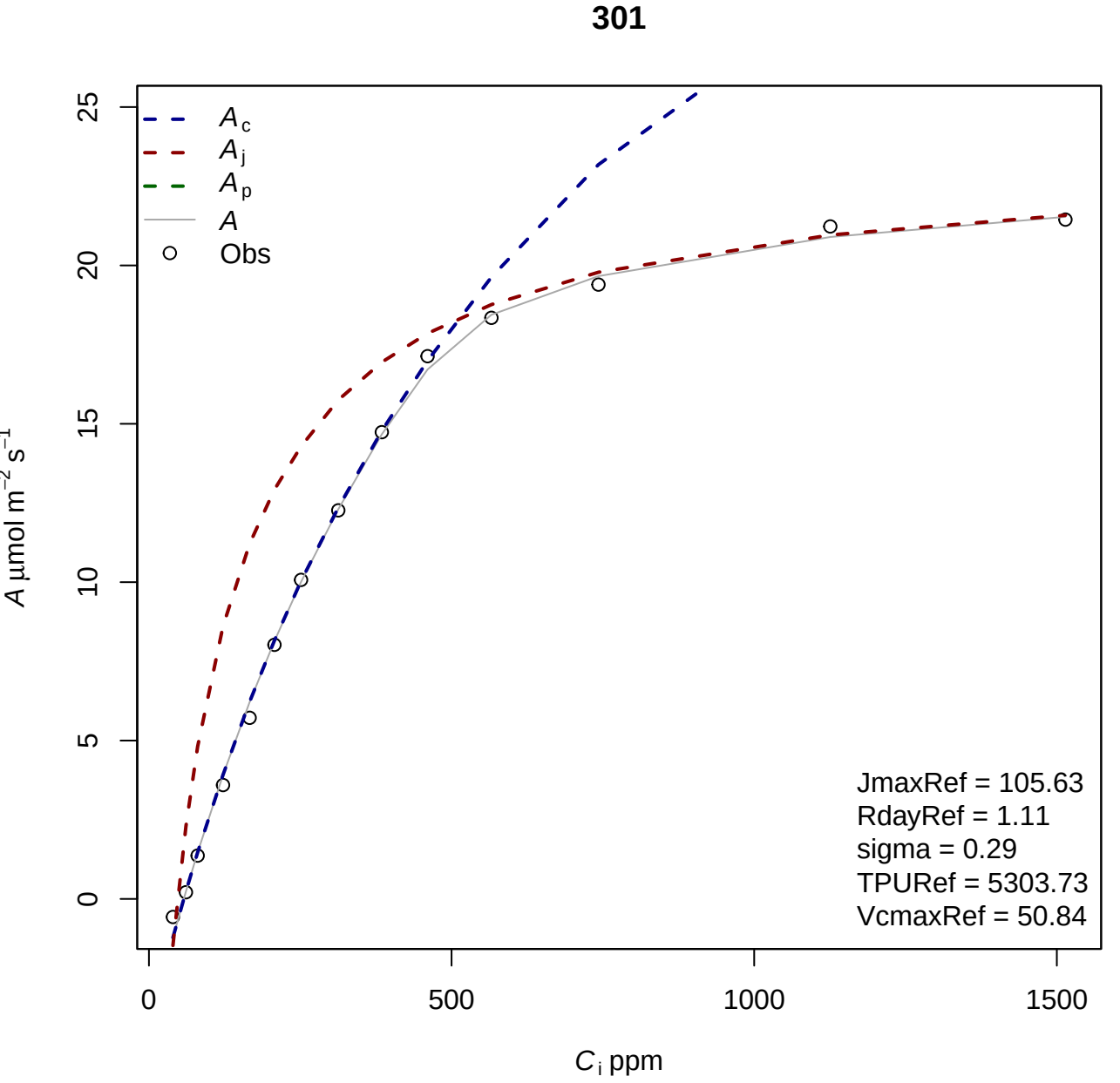

296
A_c
A_j
A_p
A
Obs
JmaxRef = 64.79
RdayRef = 1.13
sigma = 0.43
TPURef = 5.21
VcmaxRef = 26.66
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
500
1000
1500

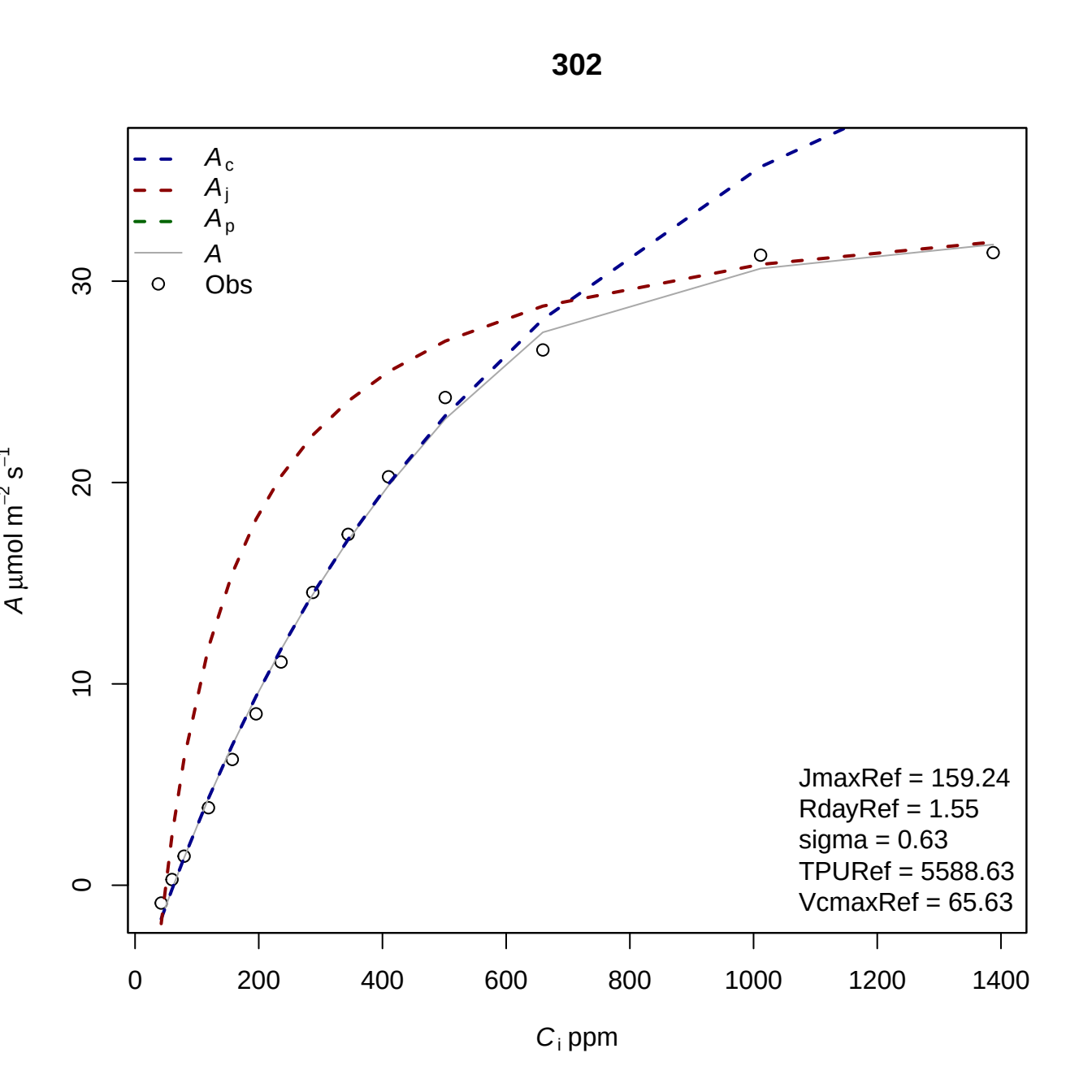

297
A_c
A_j
A_p
A
Obs
JmaxRef = 108.57
RdayRef = 2.33
sigma = 0.45
TPURef = 45725.82
VcmaxRef = 51.31
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

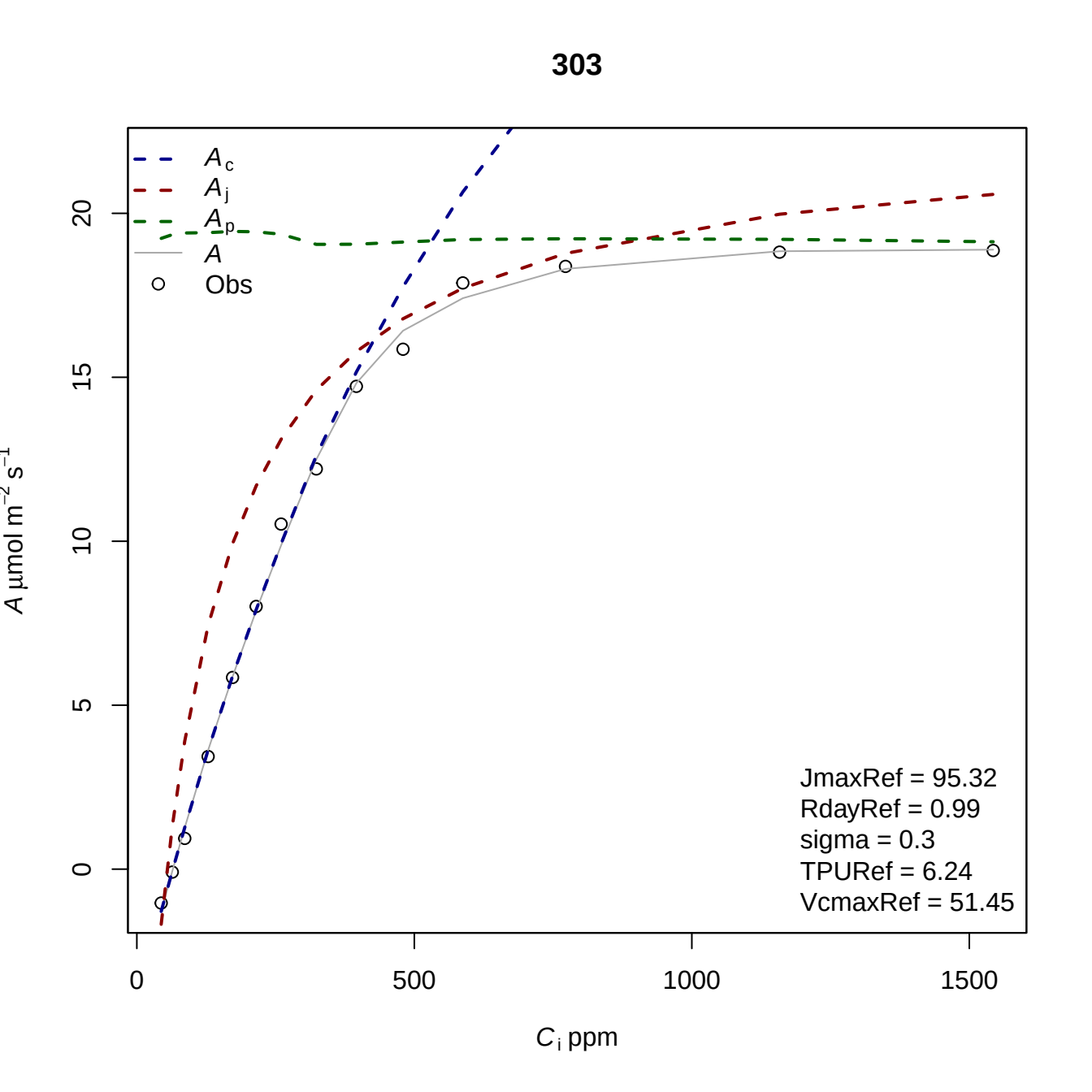

298
A_c
A_j
A_p
A
Obs
JmaxRef = 92.86
RdayRef = 1.52
sigma = 0.25
TPURef = 4.54
VcmaxRef = 52.19
A µmol m^{-2} s^{-1}
0
5
10
100
200
300
400
500
600
700
C_i ppm

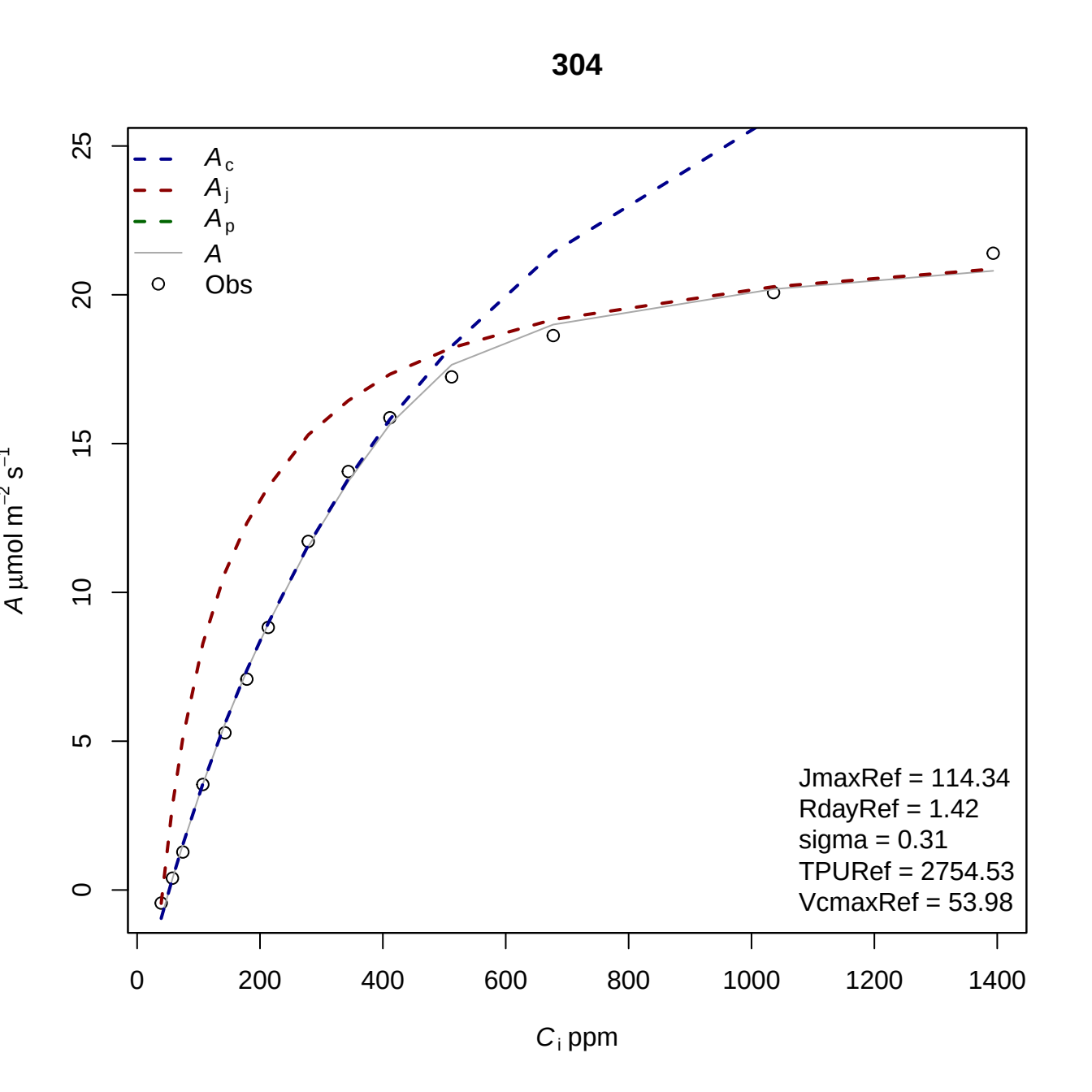

299
A_c
A_j
A_p
A
Obs
JmaxRef = 131.44
RdayRef = −0.37
sigma = 0.27
TPURef = 9.35
VcmaxRef = 67.96
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

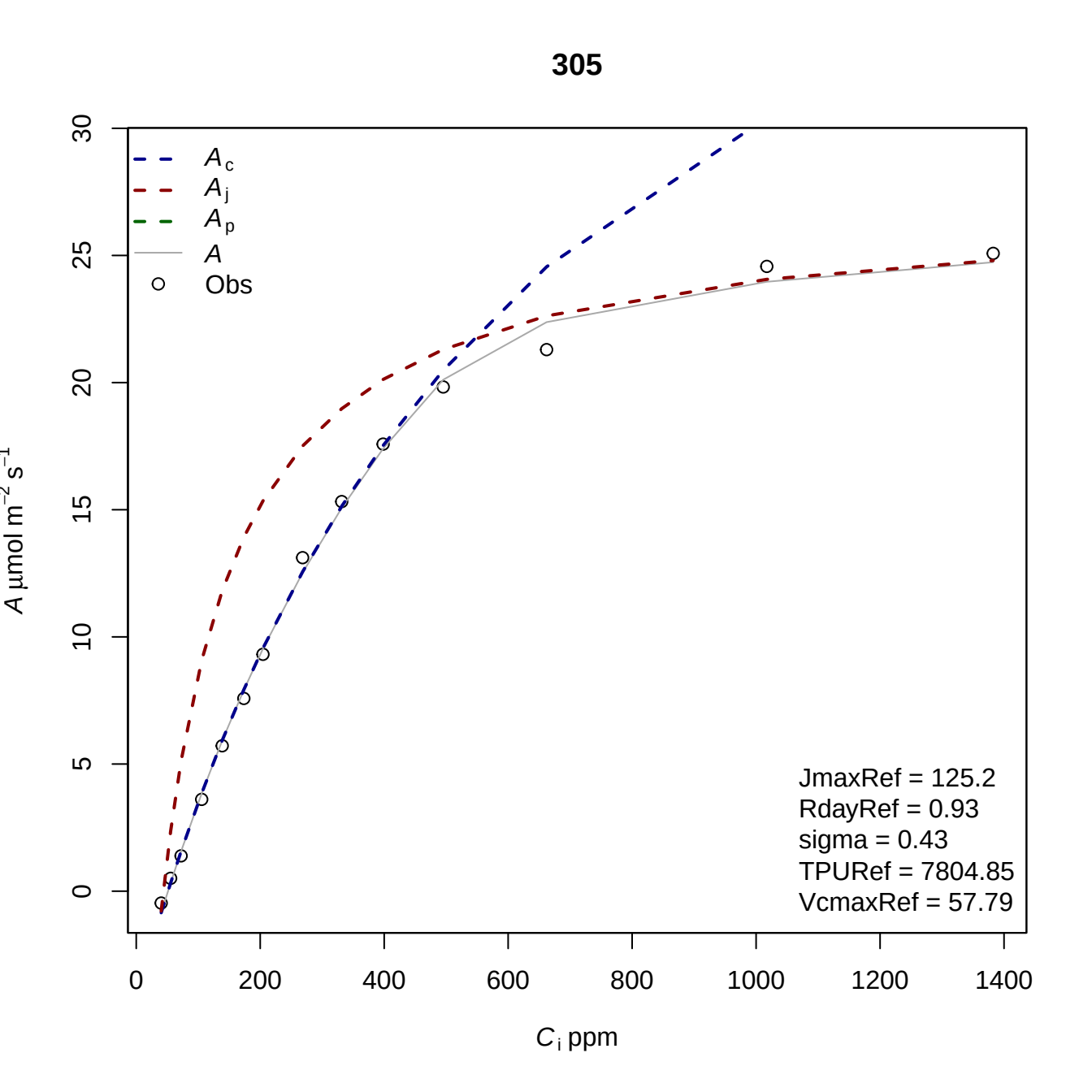

300
A_c
A_j
A_p
A
Obs
JmaxRef = 170.17
RdayRef = 0.49
sigma = 0.51
TPURef = 11.07
VcmaxRef = 73.17
A µmol m^{-2} s^{-1}
0
10
20
30
0
500
1000
1500
C_i ppm

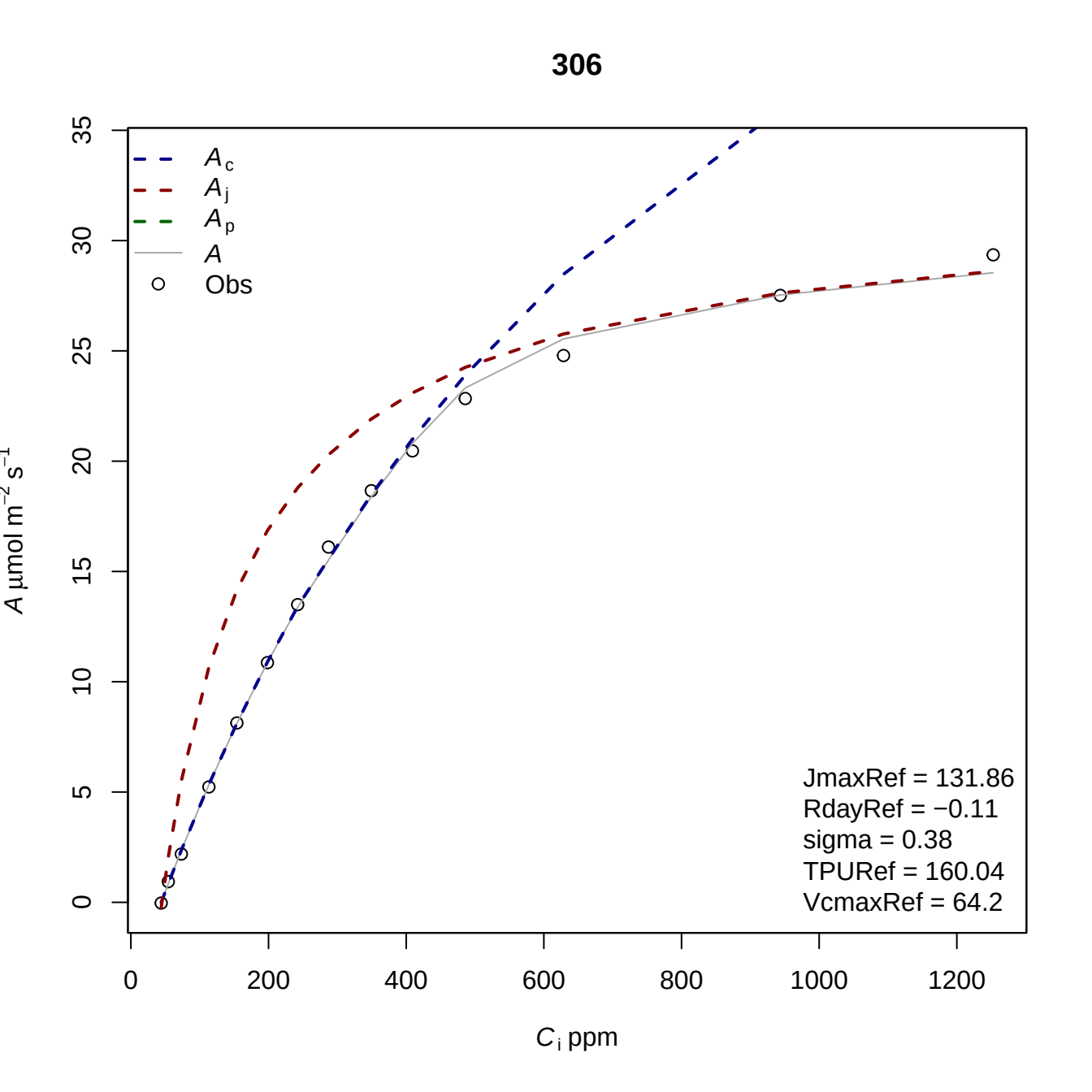

301
A_c
A_j
A_p
A
Obs
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500
JmaxRef = 105.63
RdayRef = 1.11
sigma = 0.29
TPURef = 5303.73
VcmaxRef = 50.84

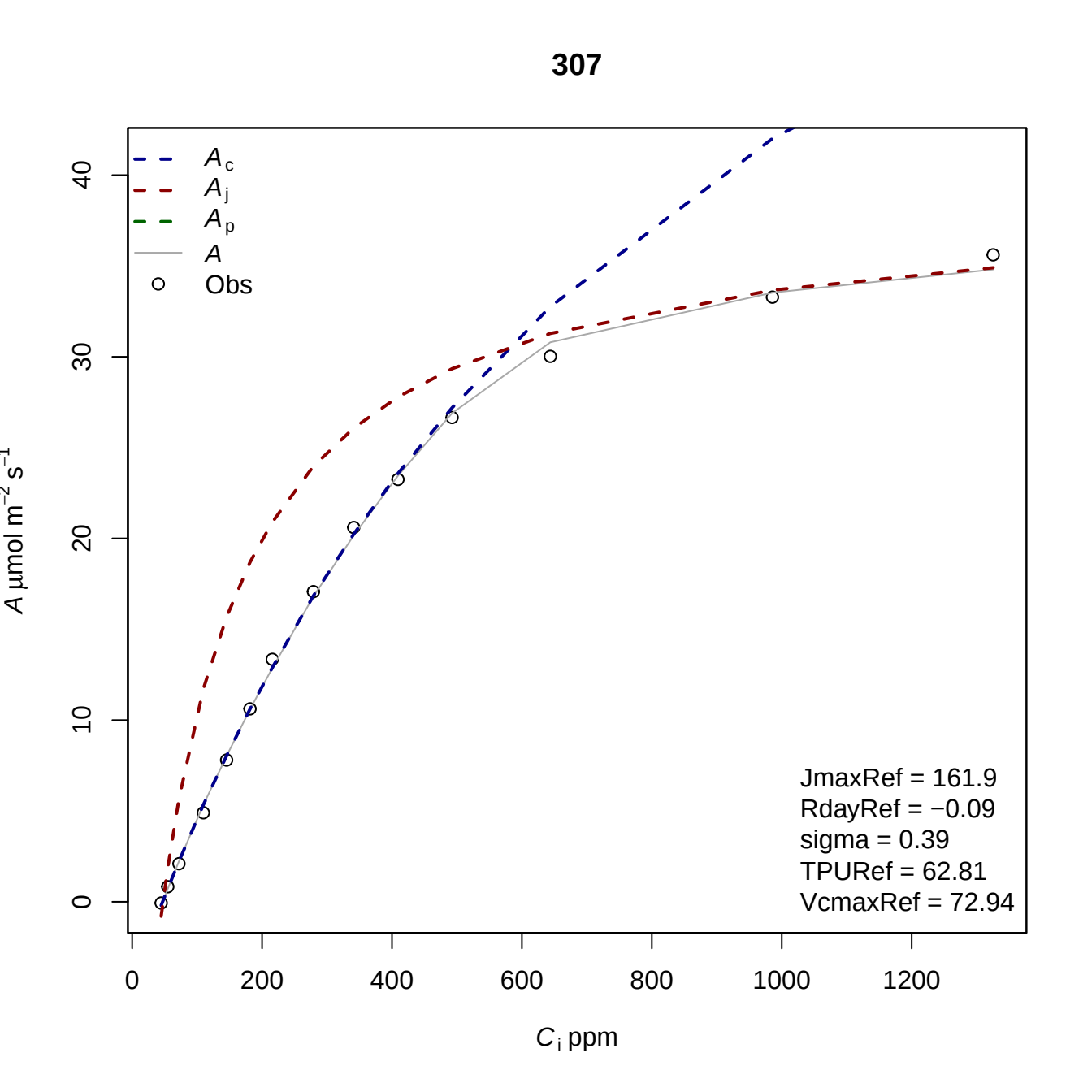

302
A_c
A_j
A_p
A
Obs
JmaxRef = 159.24
RdayRef = 1.55
sigma = 0.63
TPURef = 5588.63
VcmaxRef = 65.63
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400

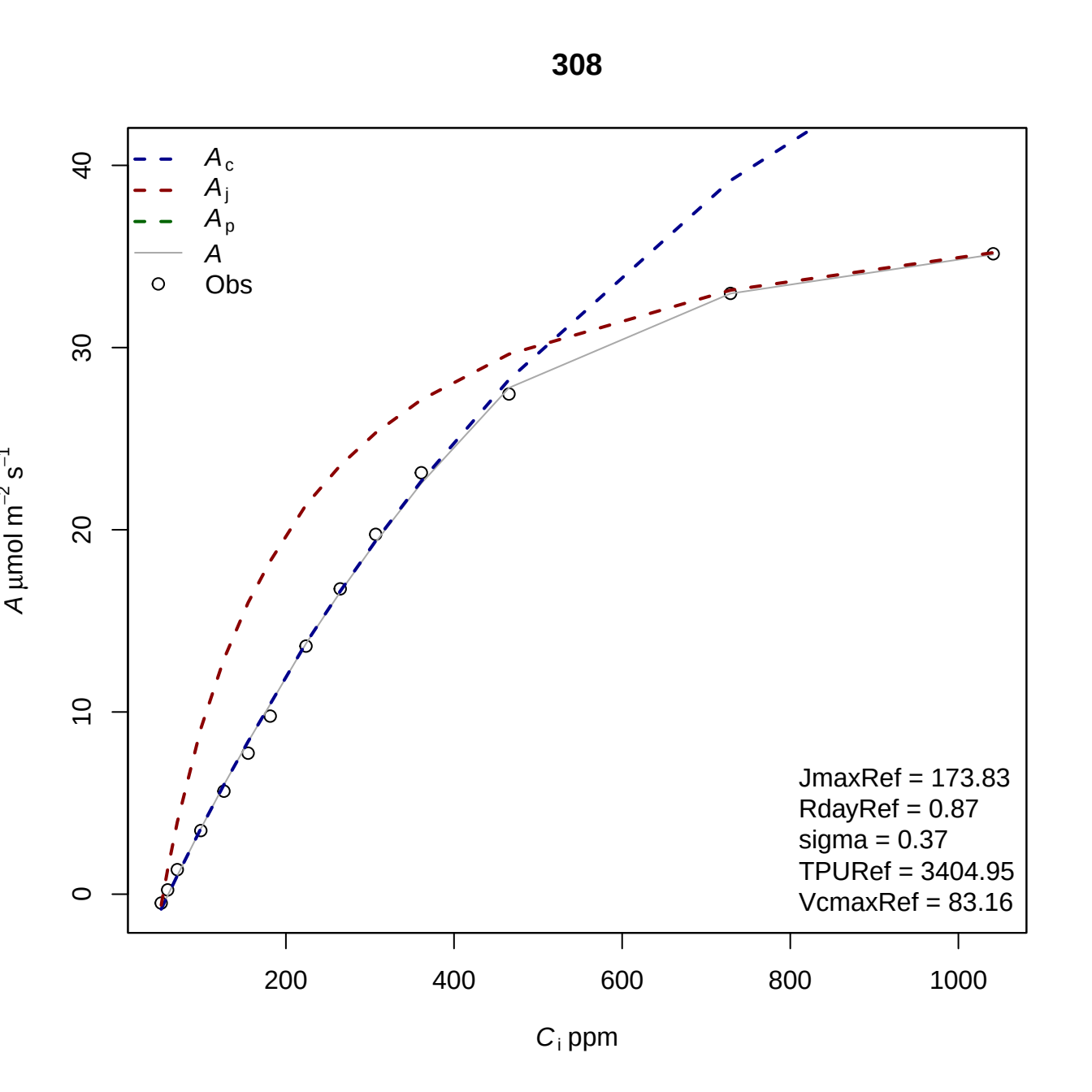

303
A_c
A_j
A_p
A
Obs
JmaxRef = 95.32
RdayRef = 0.99
sigma = 0.3
TPURef = 6.24
VcmaxRef = 51.45
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

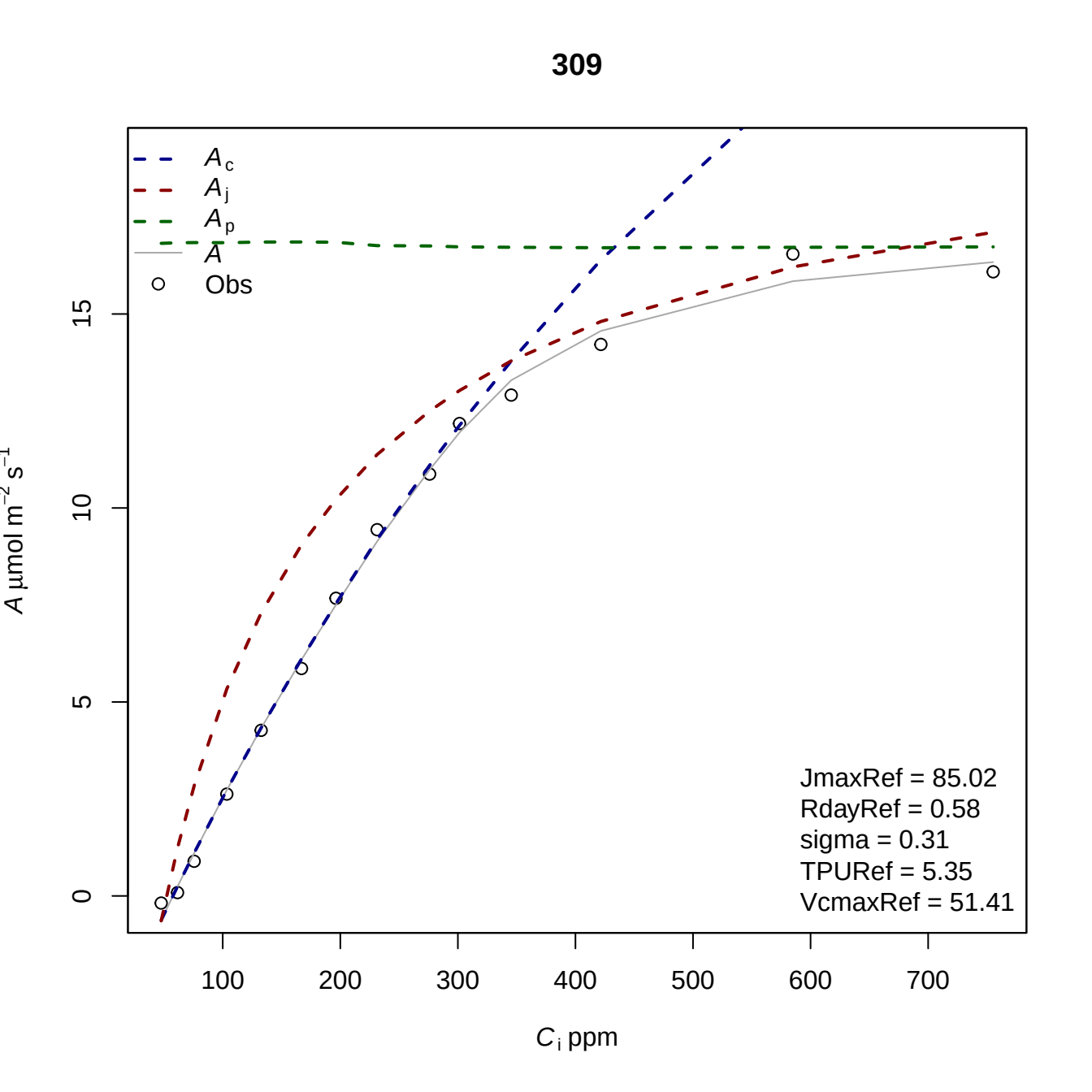

304
A_c
A_j
A_p
A
Obs
JmaxRef = 114.34
RdayRef = 1.42
sigma = 0.31
TPURef = 2754.53
VcmaxRef = 53.98
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

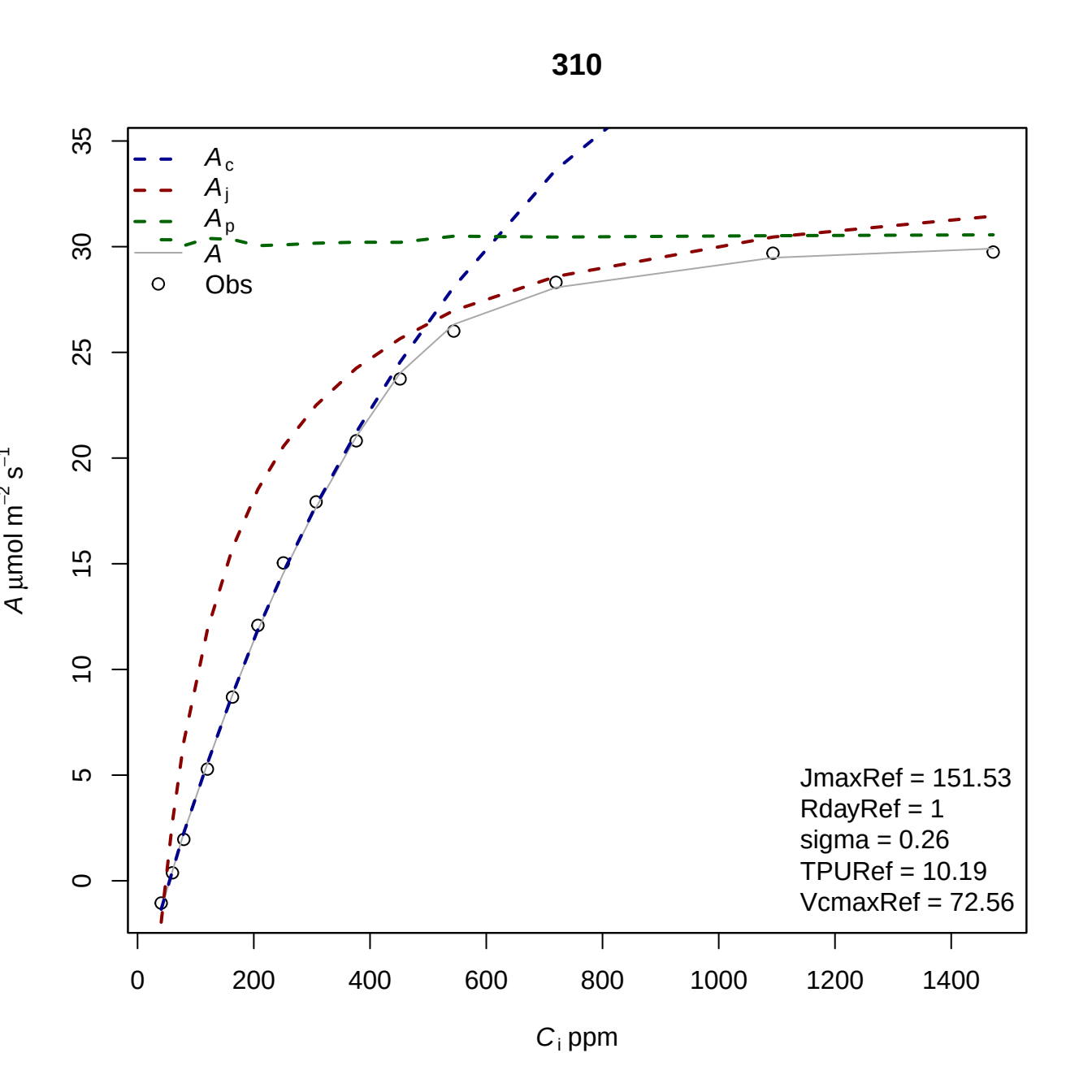

305
A_c
A_j
A_p
A
Obs
JmaxRef = 125.2
RdayRef = 0.93
sigma = 0.43
TPURef = 7804.85
VcmaxRef = 57.79
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

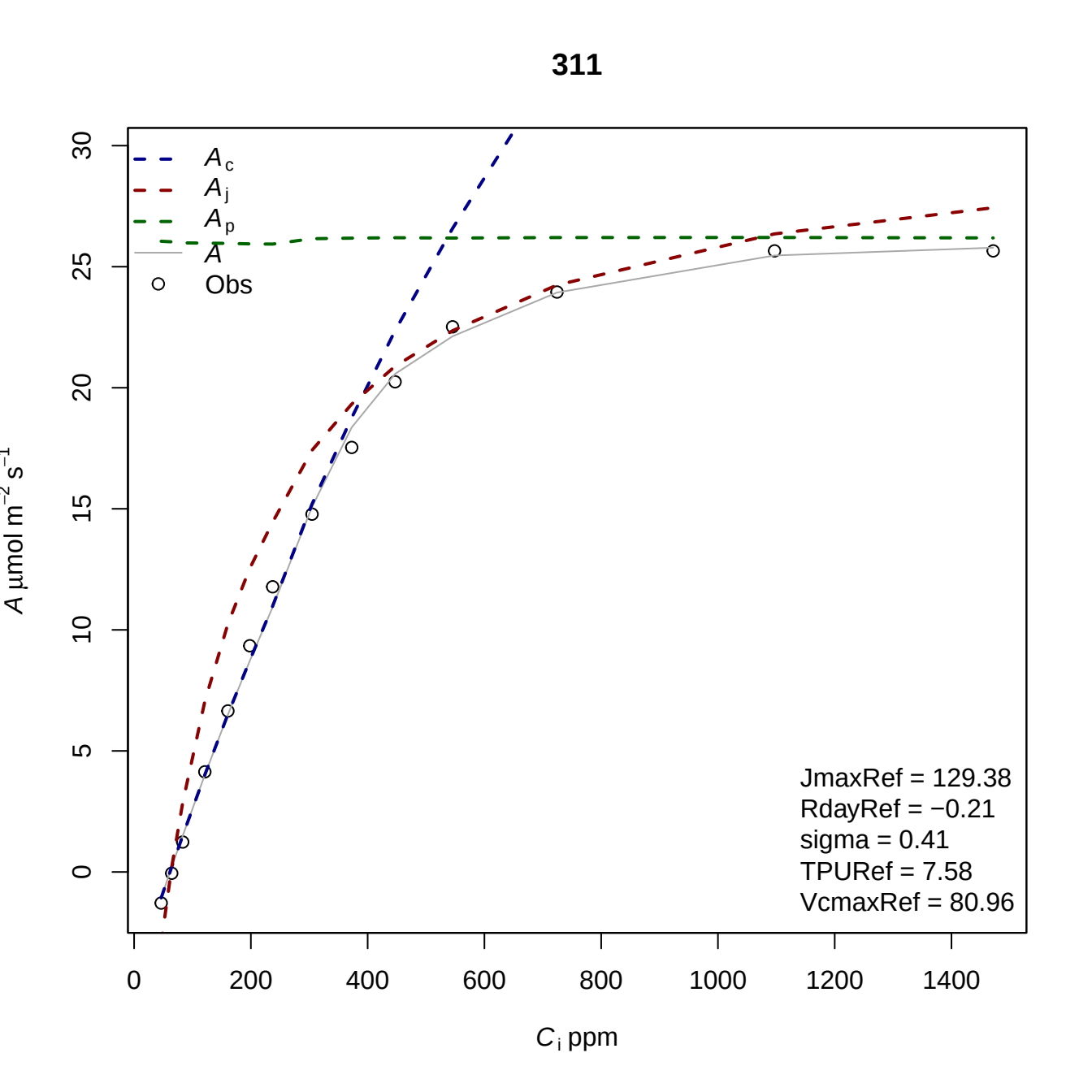

306
A_c
A_j
A_p
A
Obs
JmaxRef = 131.86
RdayRef = −0.11
sigma = 0.38
TPURef = 160.04
VcmaxRef = 64.2
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200

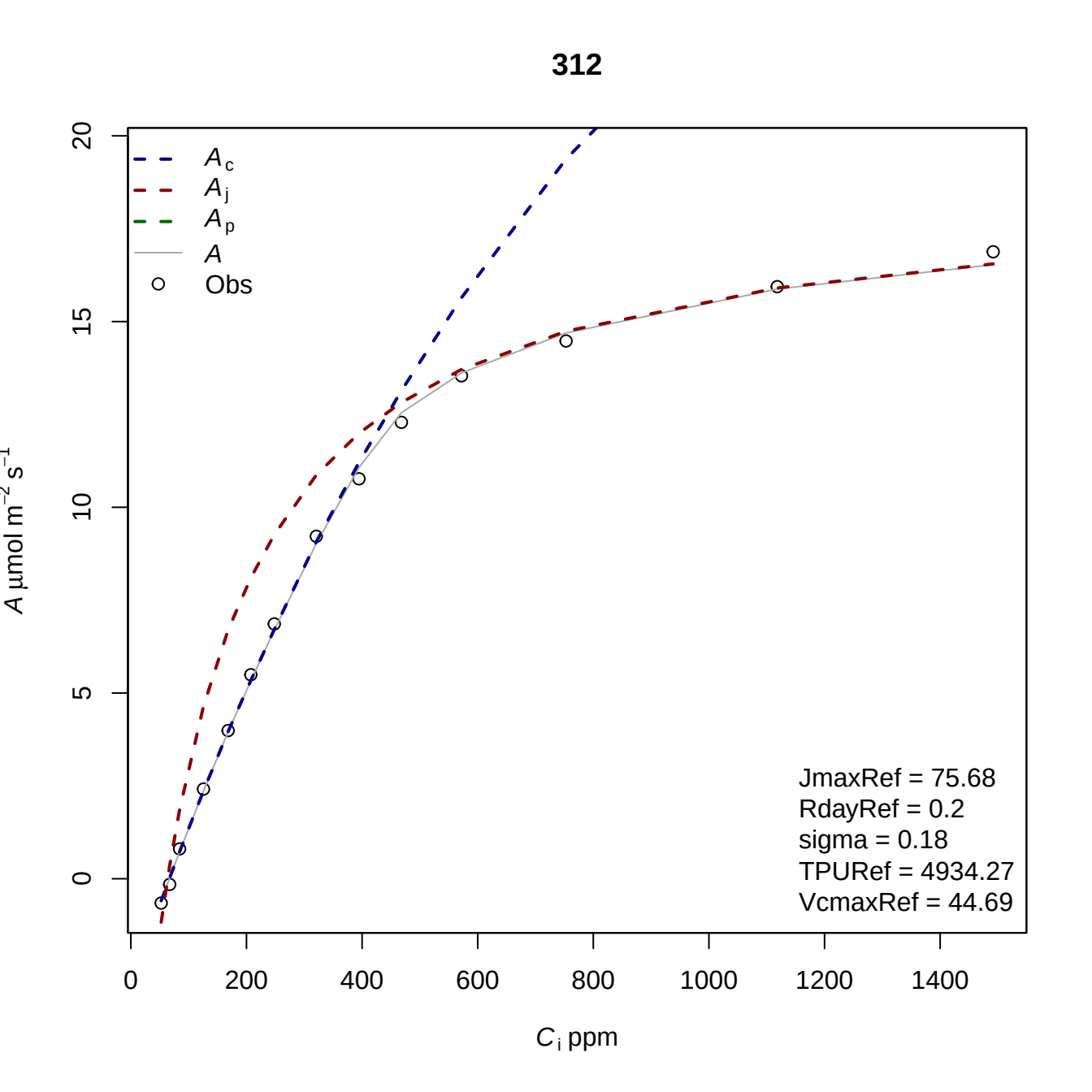

307
A_c
A_j
A_p
A
Obs
JmaxRef = 161.9
RdayRef = −0.09
sigma = 0.39
TPURef = 62.81
VcmaxRef = 72.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
200
400
600
800
1000
1200

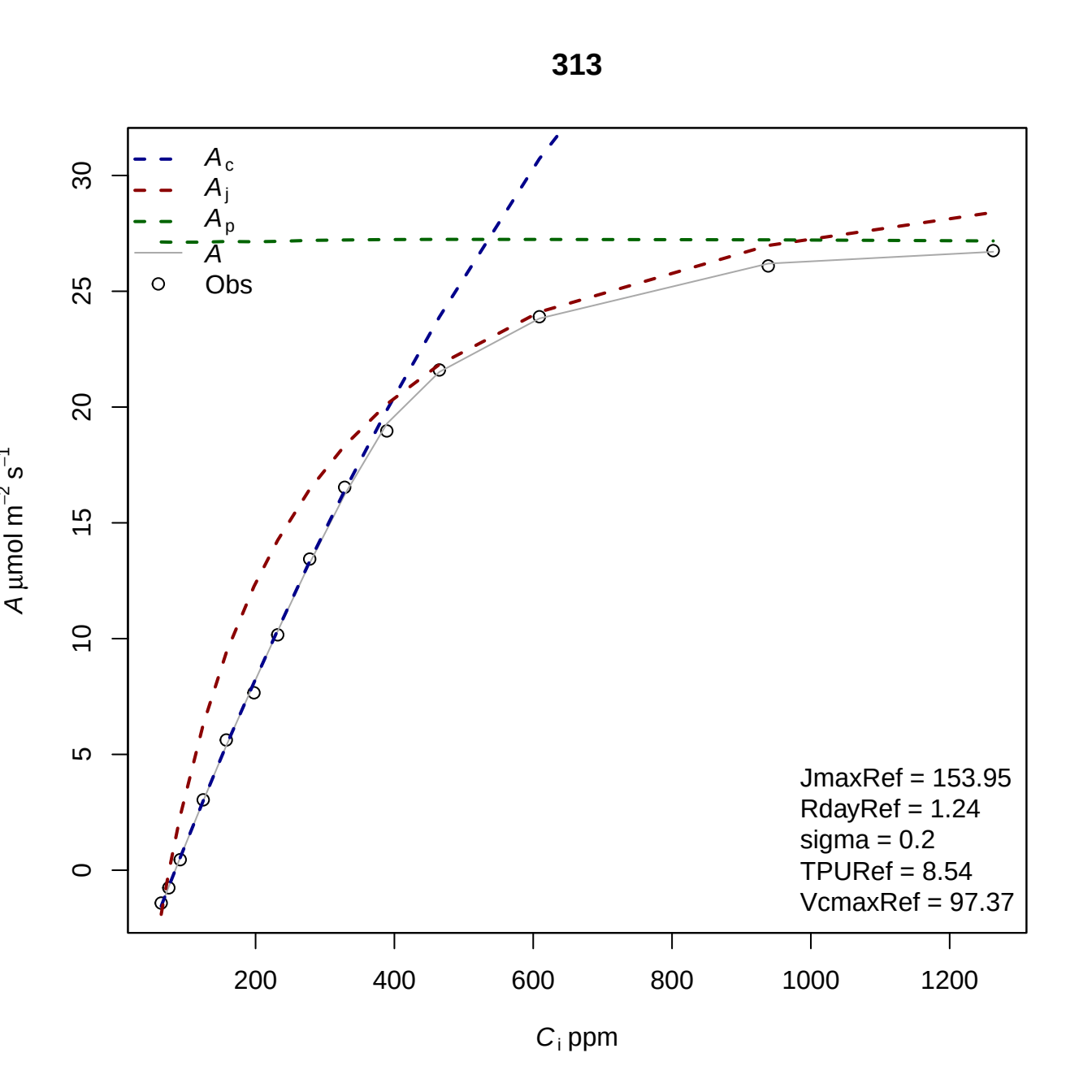

308
A_c
A_j
A_p
A
Obs
JmaxRef = 173.83
RdayRef = 0.87
sigma = 0.37
TPURef = 3404.95
VcmaxRef = 83.16
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000

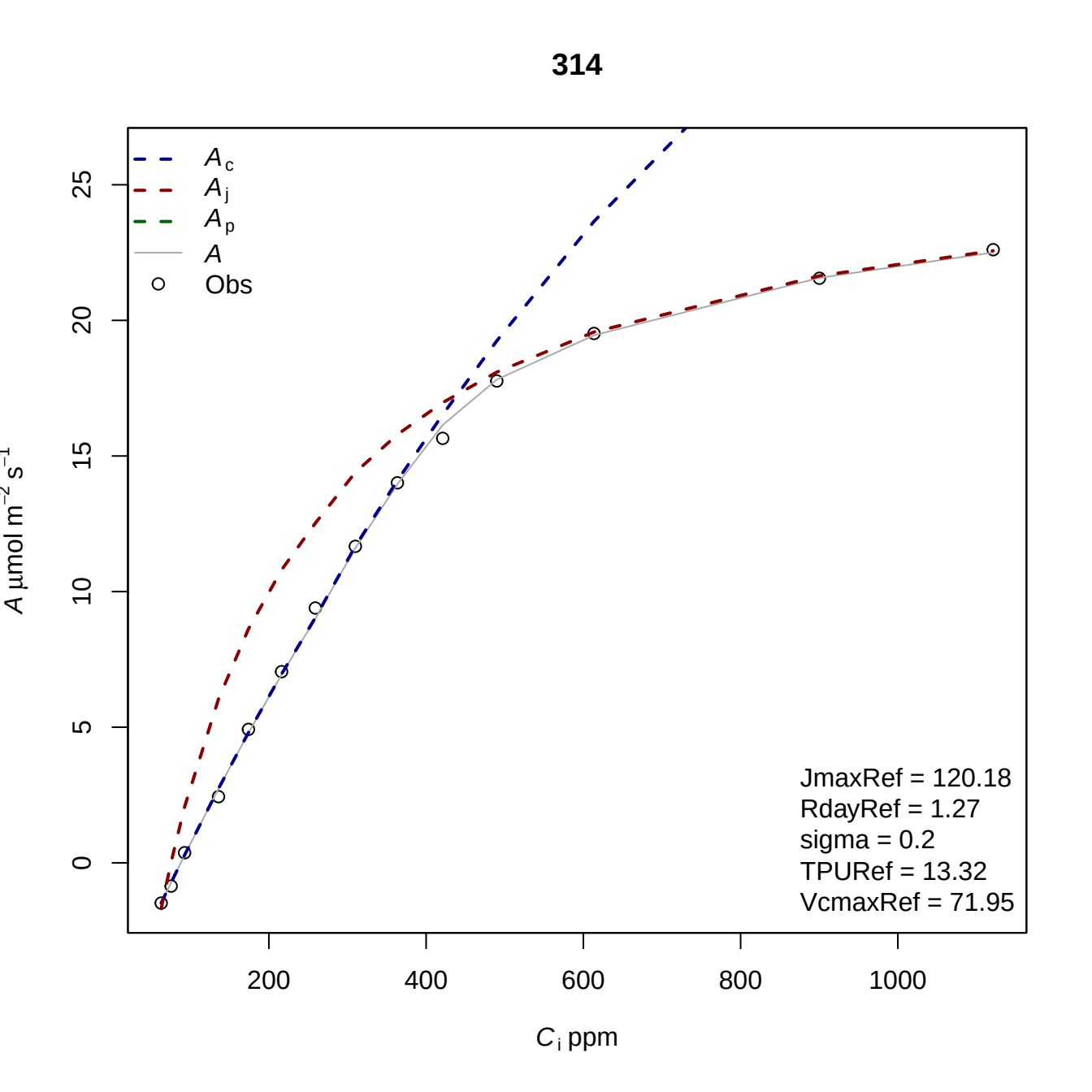

309
A_c
A_j
A_p
A
Obs
JmaxRef = 85.02
RdayRef = 0.58
sigma = 0.31
TPURef = 5.35
VcmaxRef = 51.41
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
100
200
300
400
500
600
700

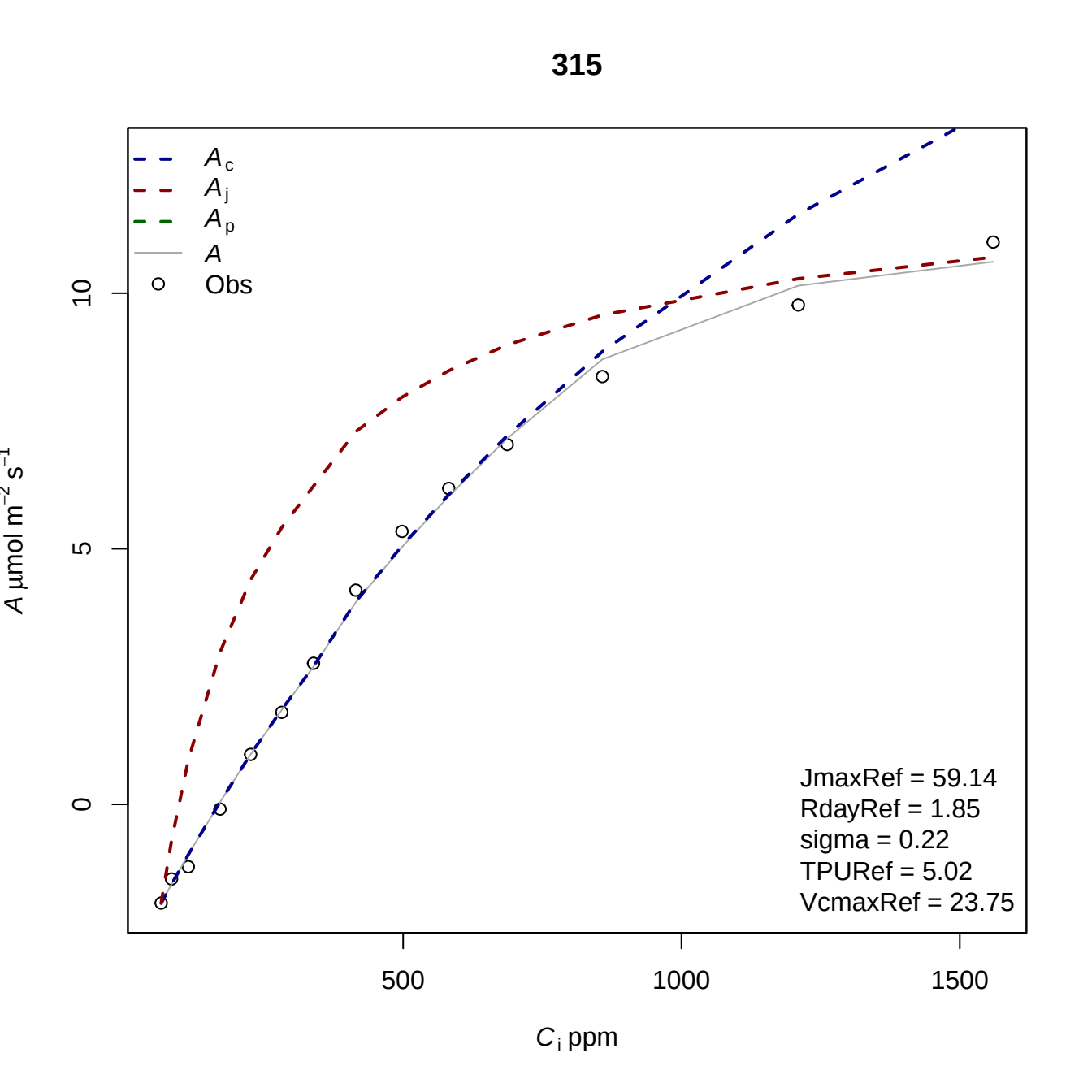

310
A_c
A_j
A_p
A
Obs
JmaxRef = 151.53
RdayRef = 1
sigma = 0.26
TPURef = 10.19
VcmaxRef = 72.56
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400

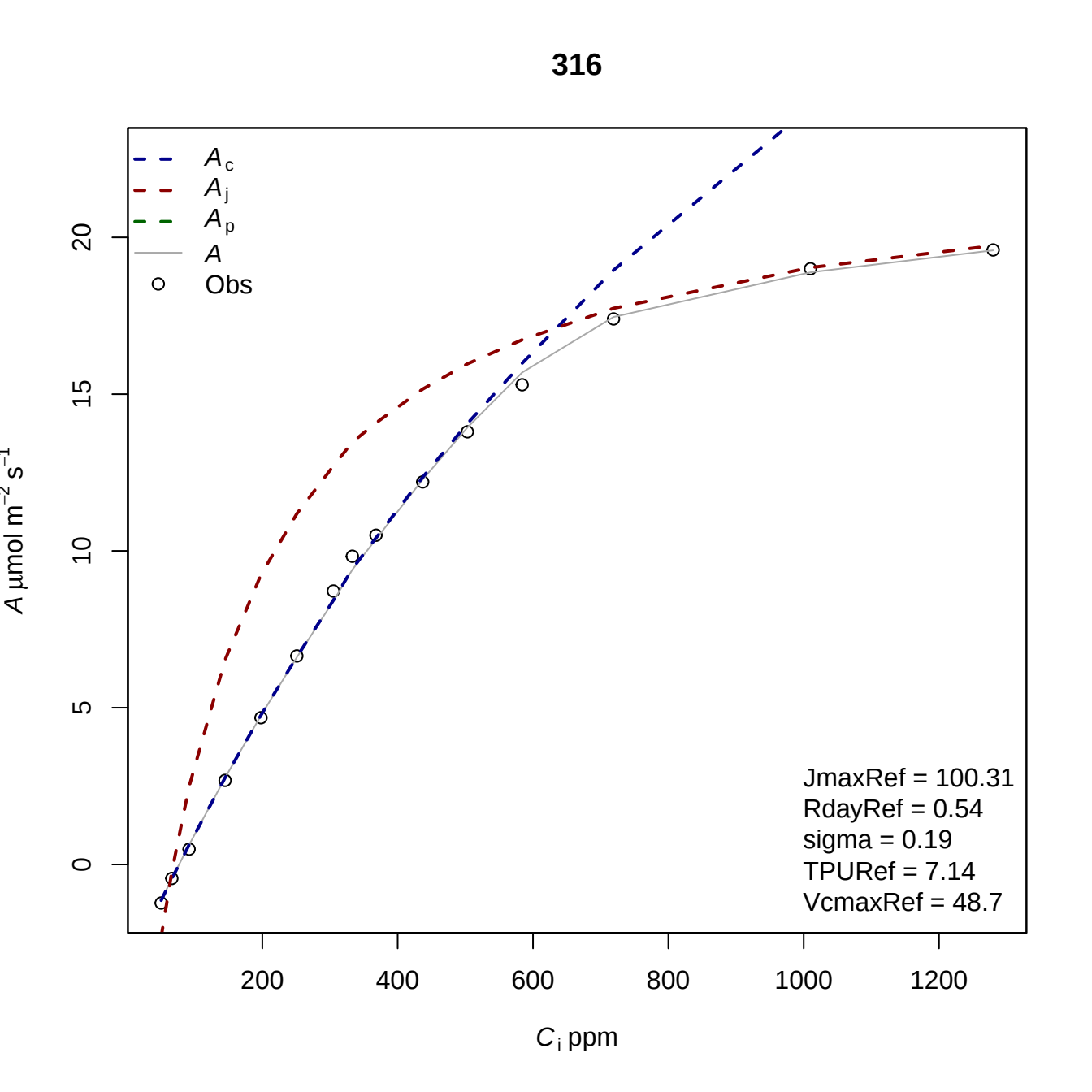

311
A_c
A_j
A_p
A
Obs
JmaxRef = 129.38
RdayRef = −0.21
sigma = 0.41
TPURef = 7.58
VcmaxRef = 80.96
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

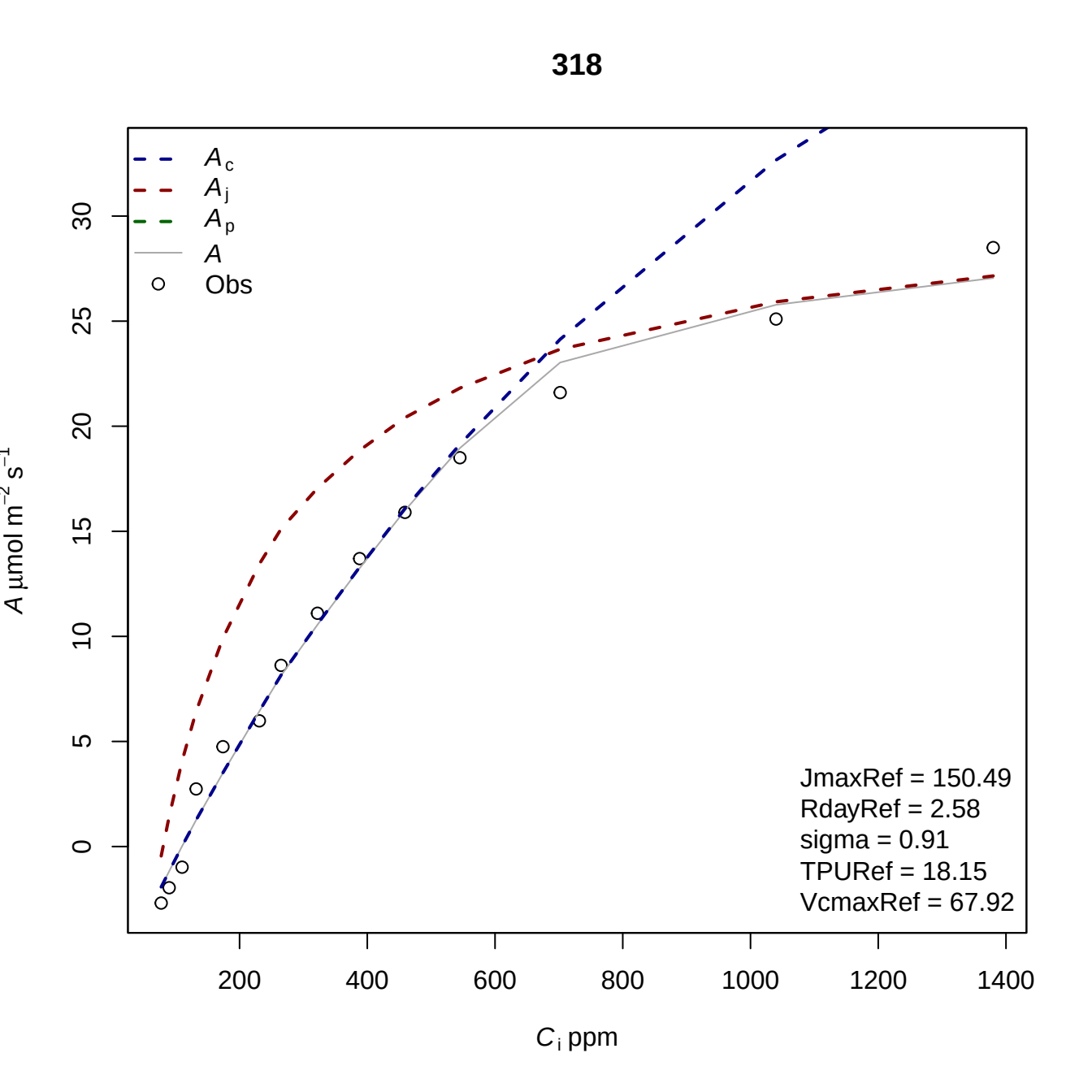

312
A_c
A_j
A_p
A
Obs
JmaxRef = 75.68
RdayRef = 0.2
sigma = 0.18
TPURef = 4934.27
VcmaxRef = 44.69
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
200
400
600
800
1000
1200
1400

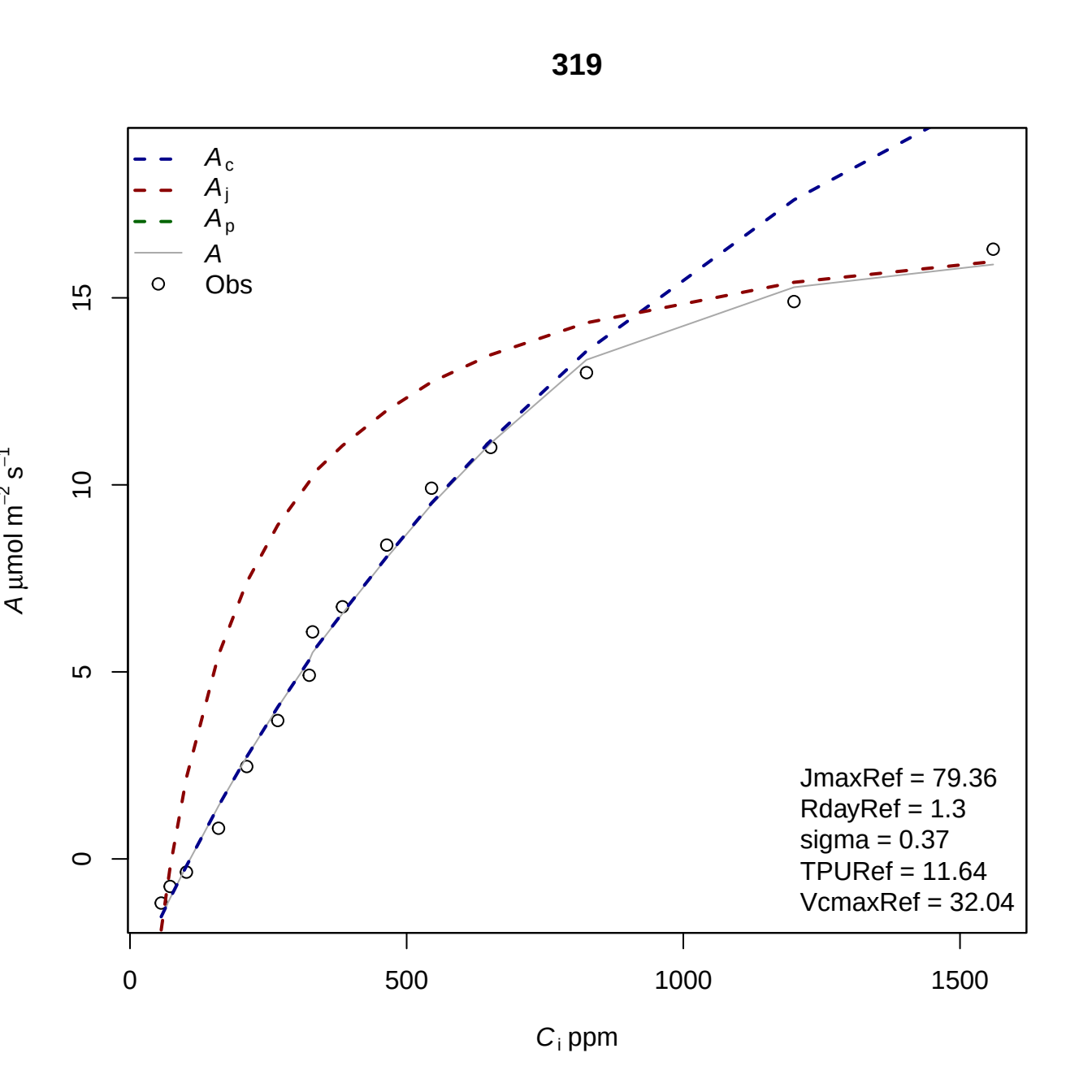

313
A_c
A_j
A_p
A
Obs
JmaxRef = 153.95
RdayRef = 1.24
sigma = 0.2
TPURef = 8.54
VcmaxRef = 97.37
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200

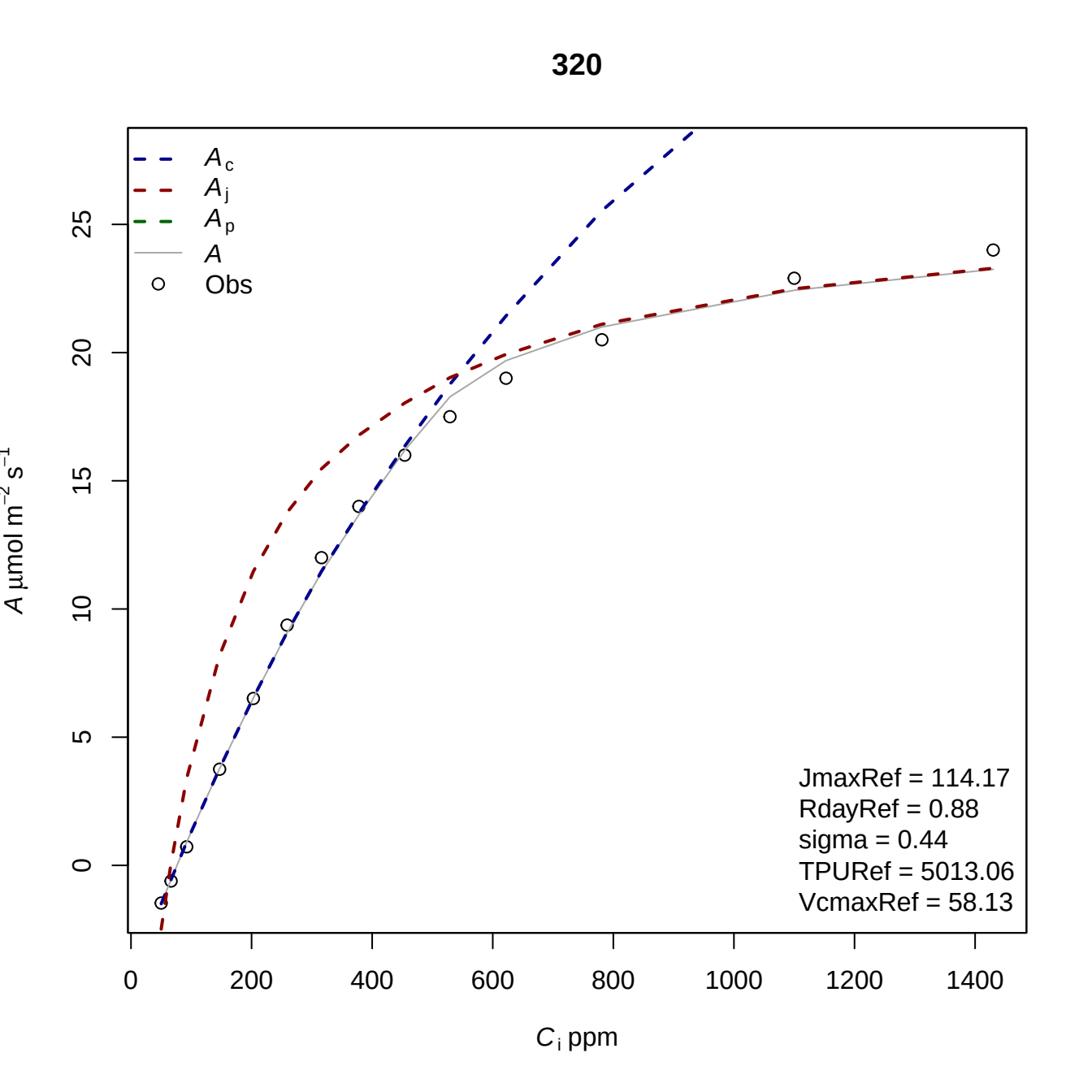

314
A_c
A_j
A_p
A
Obs
JmaxRef = 120.18
RdayRef = 1.27
sigma = 0.2
TPURef = 13.32
VcmaxRef = 71.95
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000

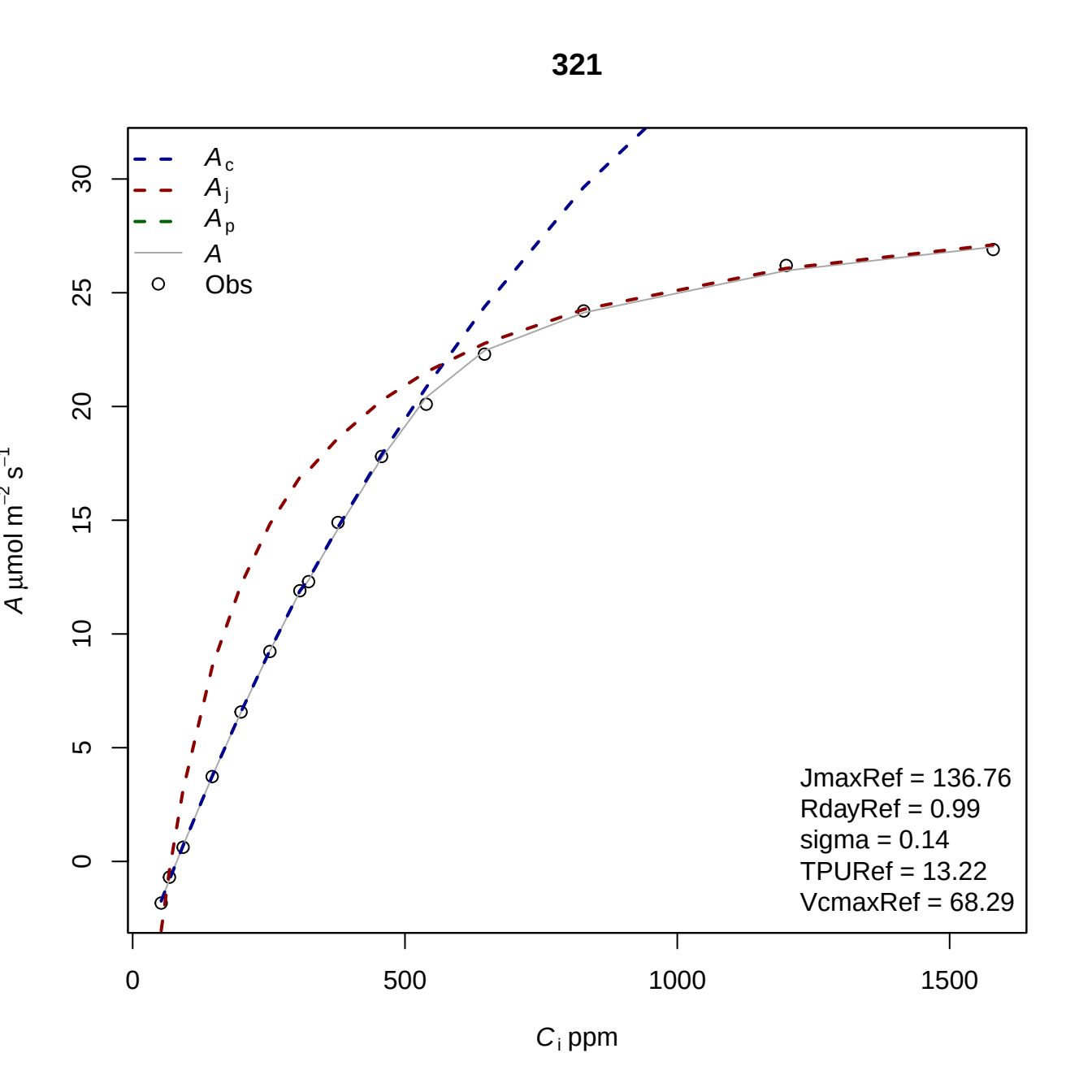

315
A_c
A_j
A_p
A
Obs
JmaxRef = 59.14
RdayRef = 1.85
sigma = 0.22
TPURef = 5.02
VcmaxRef = 23.75
0
5
10
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

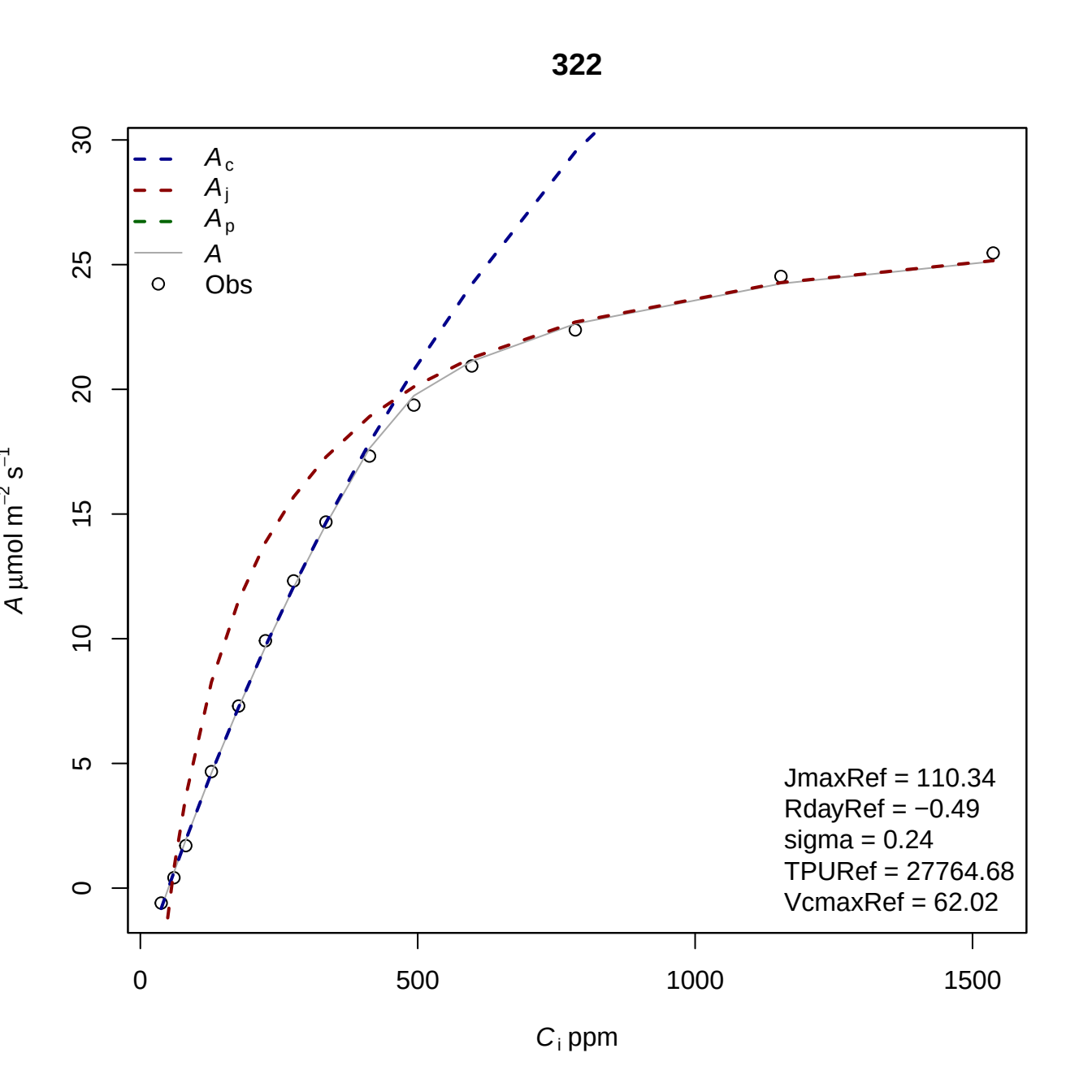

316
A_c
A_j
A_p
A
Obs
JmaxRef = 100.31
RdayRef = 0.54
sigma = 0.19
TPURef = 7.14
VcmaxRef = 48.7
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200

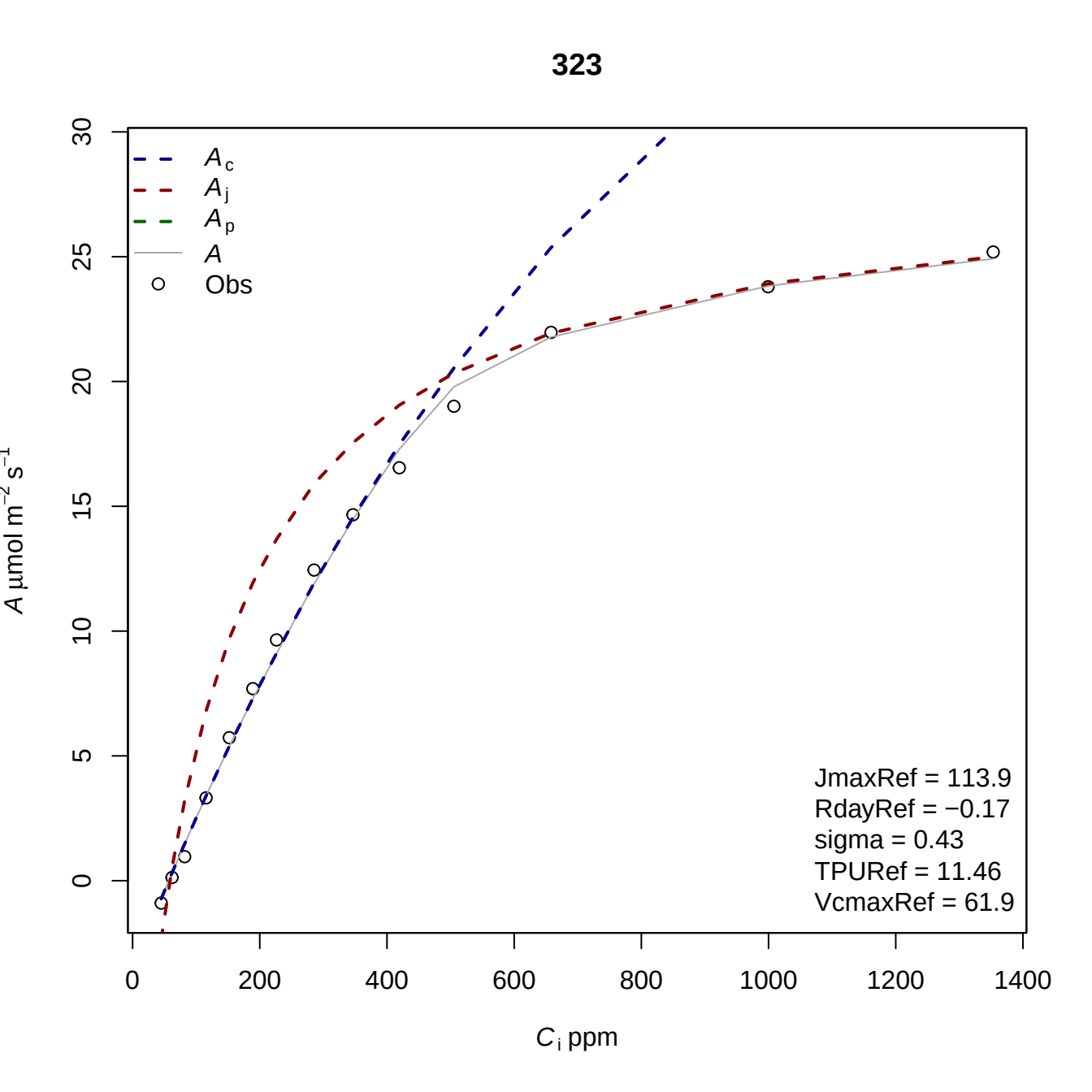

318
A_c
A_j
A_p
A
Obs
JmaxRef = 150.49
RdayRef = 2.58
sigma = 0.91
TPURef = 18.15
VcmaxRef = 67.92
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200
1400

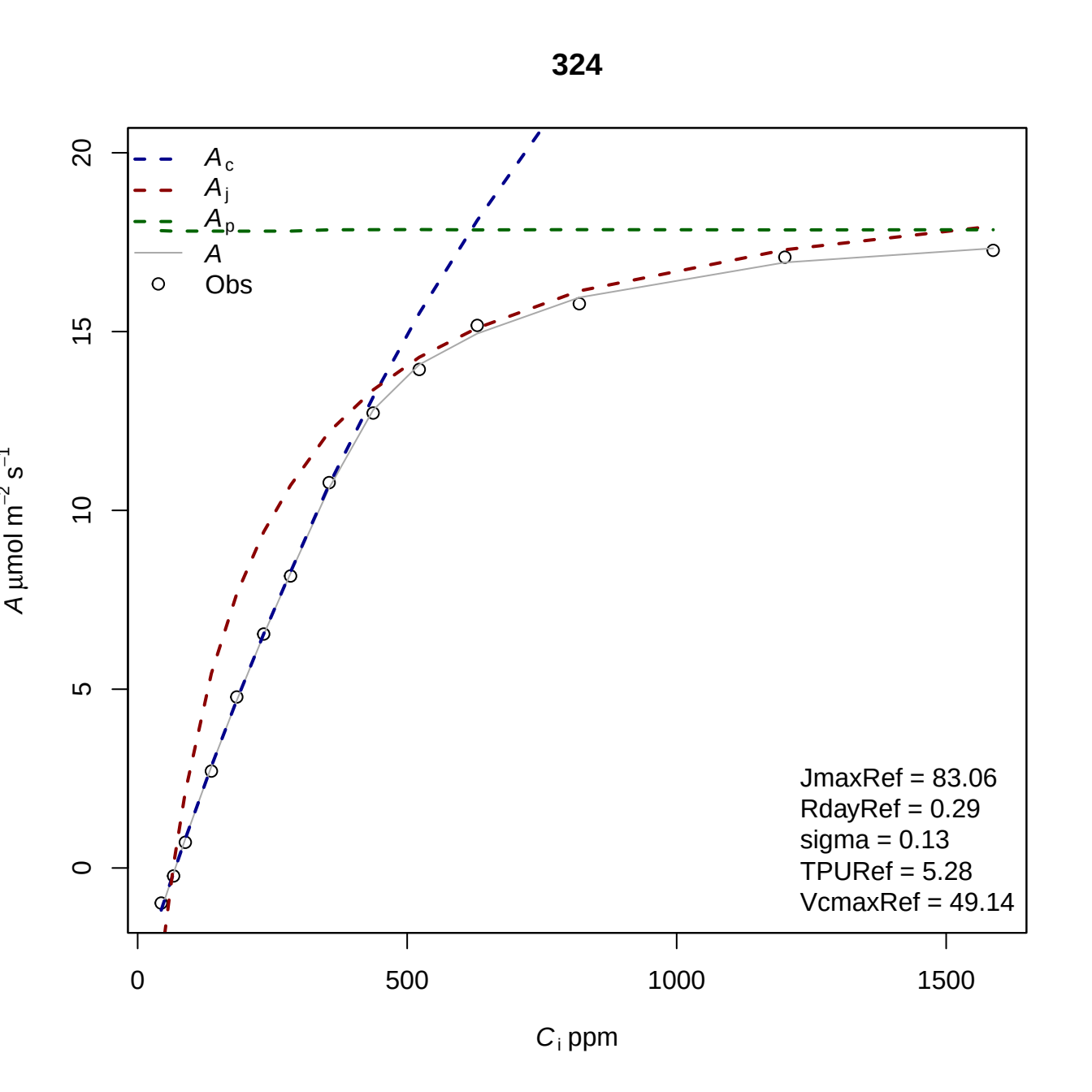

319
A_c
A_j
A_p
A
Obs
JmaxRef = 79.36
RdayRef = 1.3
sigma = 0.37
TPURef = 11.64
VcmaxRef = 32.04
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
500
1000
1500

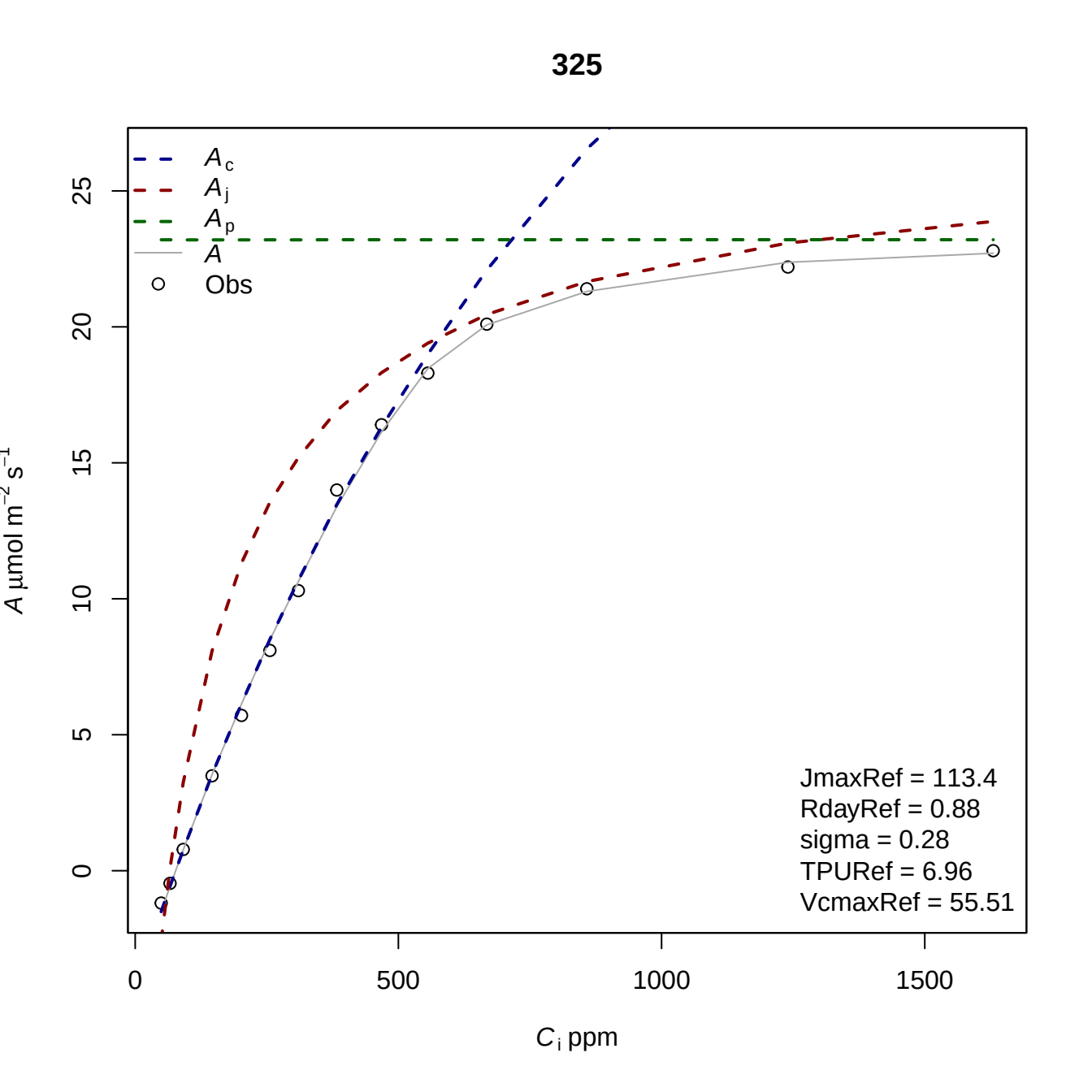

320
A_c
A_j
A_p
A
Obs
JmaxRef = 114.17
RdayRef = 0.88
sigma = 0.44
TPURef = 5013.06
VcmaxRef = 58.13
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
200
400
600
800
1000
1200
1400

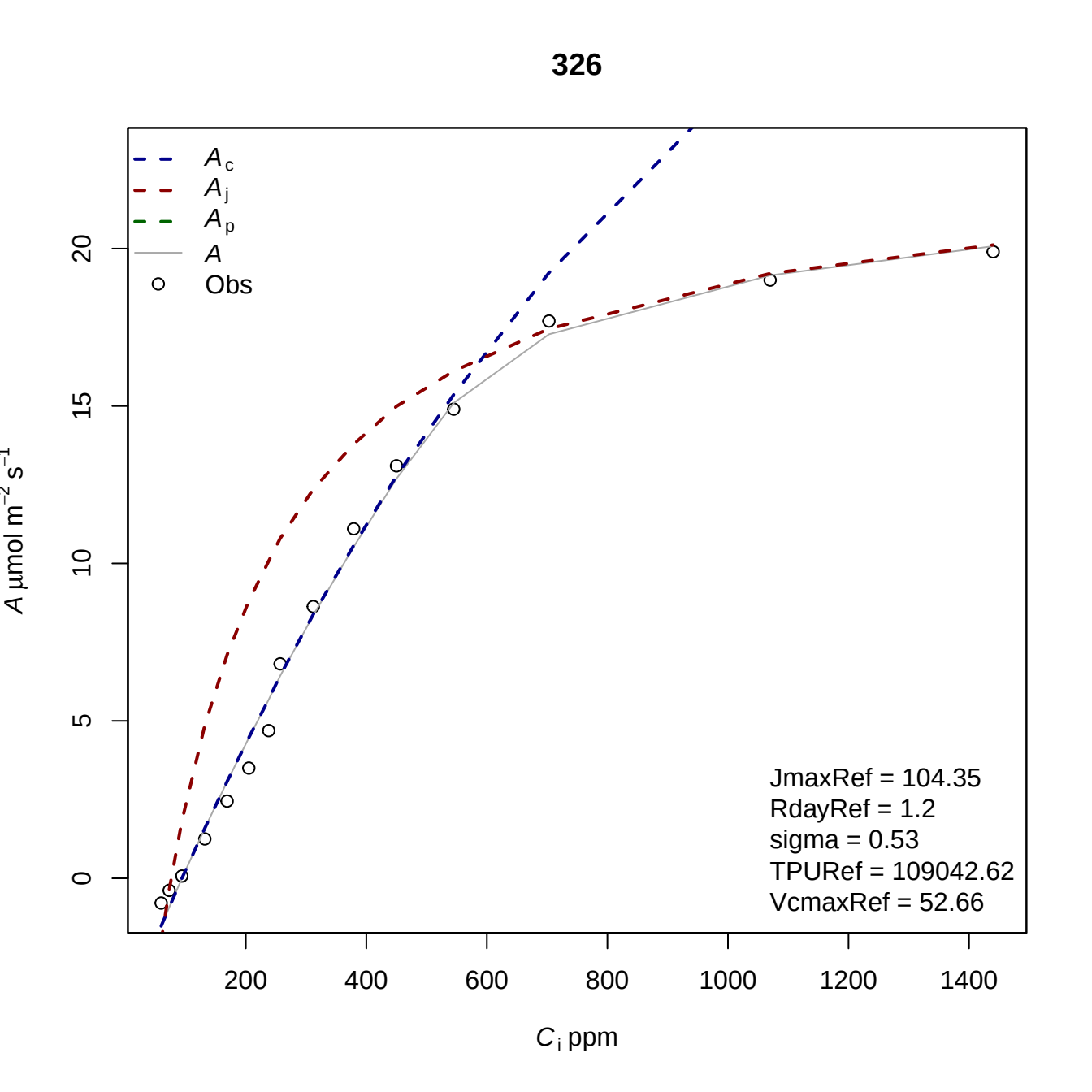

321
A_c
A_j
A_p
A
Obs
JmaxRef = 136.76
RdayRef = 0.99
sigma = 0.14
TPURef = 13.22
VcmaxRef = 68.29
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

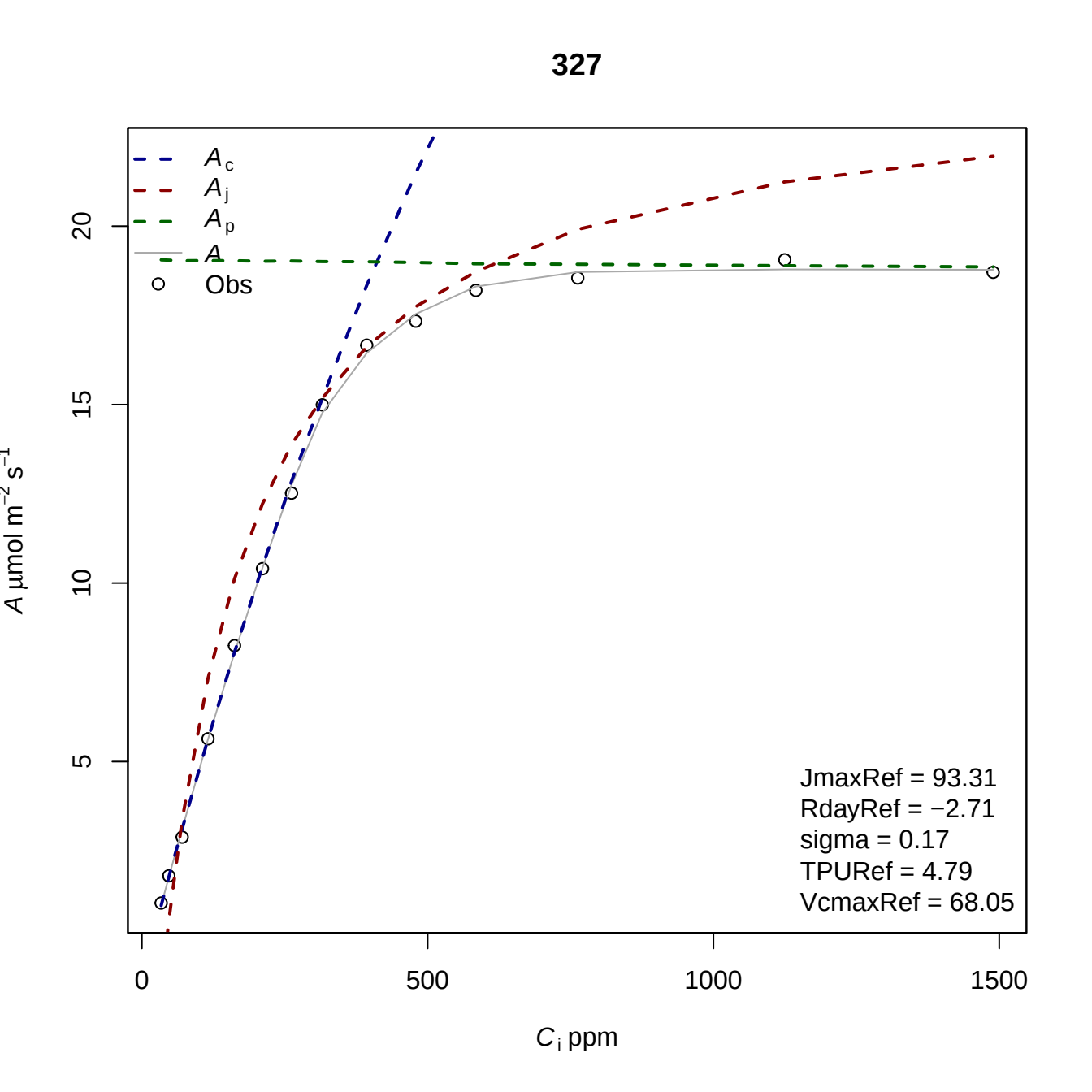

322
A_c
A_j
A_p
A
Obs
JmaxRef = 110.34
RdayRef = −0.49
sigma = 0.24
TPURef = 27764.68
VcmaxRef = 62.02
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
500
1000
1500

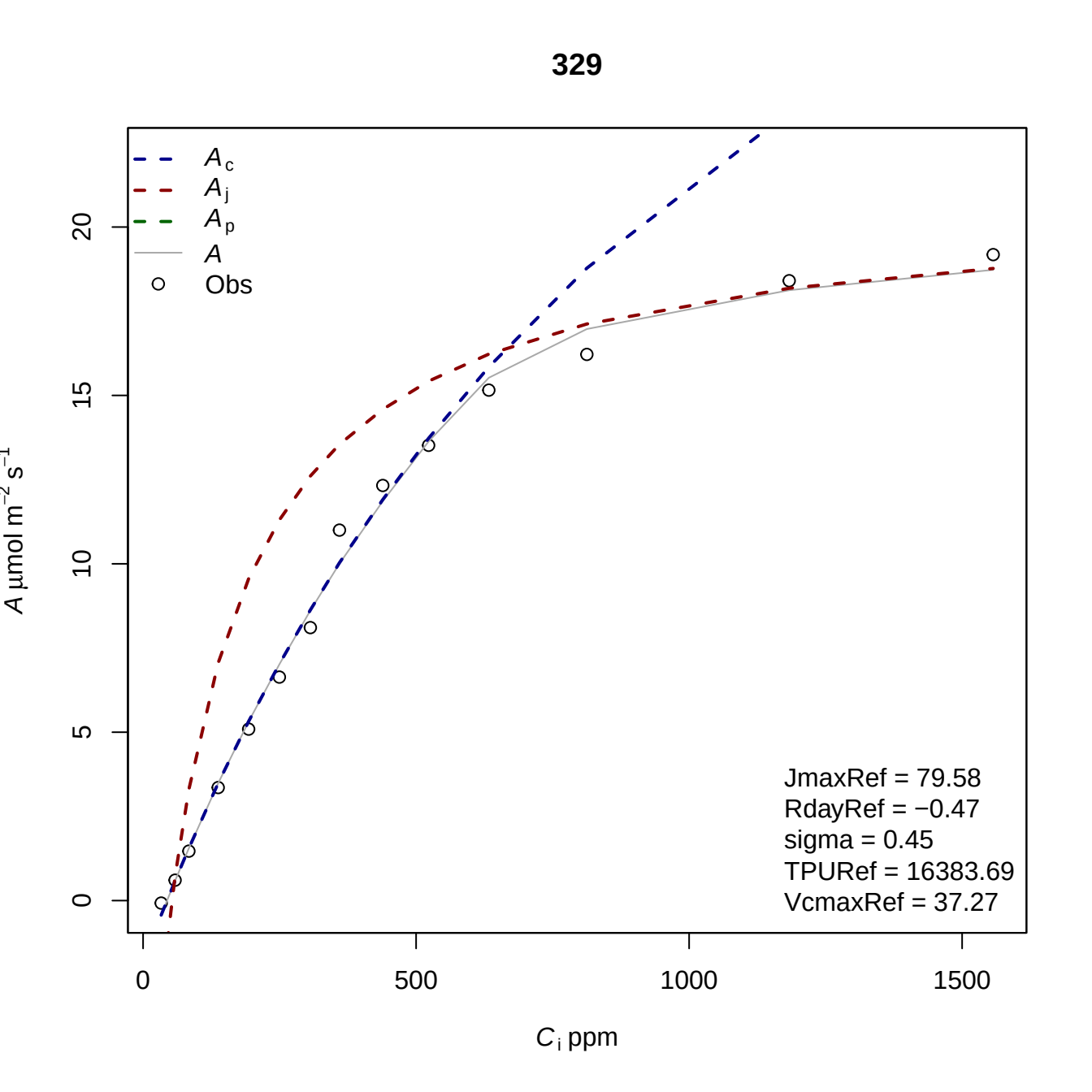

323
A_c
A_j
A_p
A
Obs
JmaxRef = 113.9
RdayRef = −0.17
sigma = 0.43
TPURef = 11.46
VcmaxRef = 61.9
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400

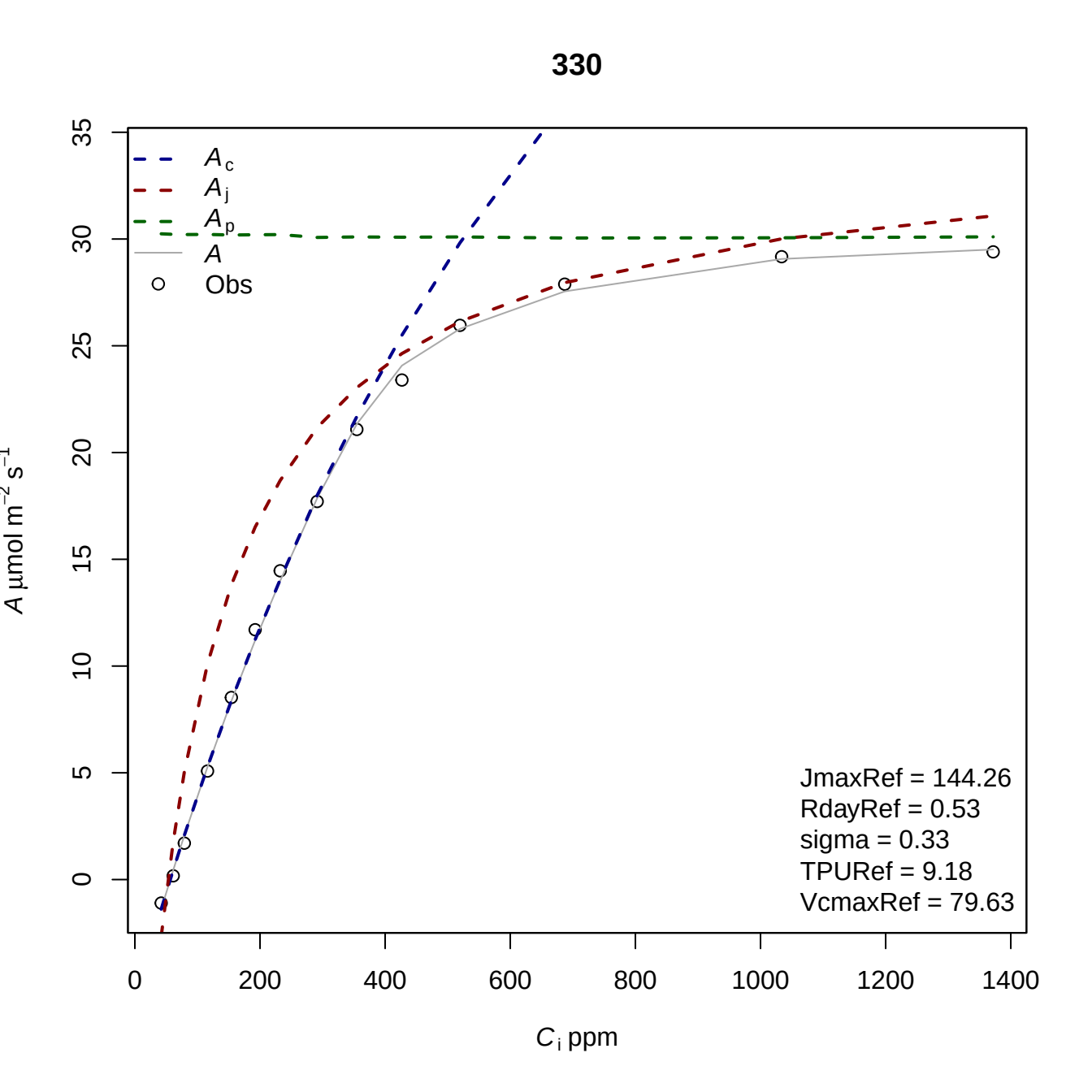

324
A_c
A_j
A_p
A
Obs
JmaxRef = 83.06
RdayRef = 0.29
sigma = 0.13
TPURef = 5.28
VcmaxRef = 49.14
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

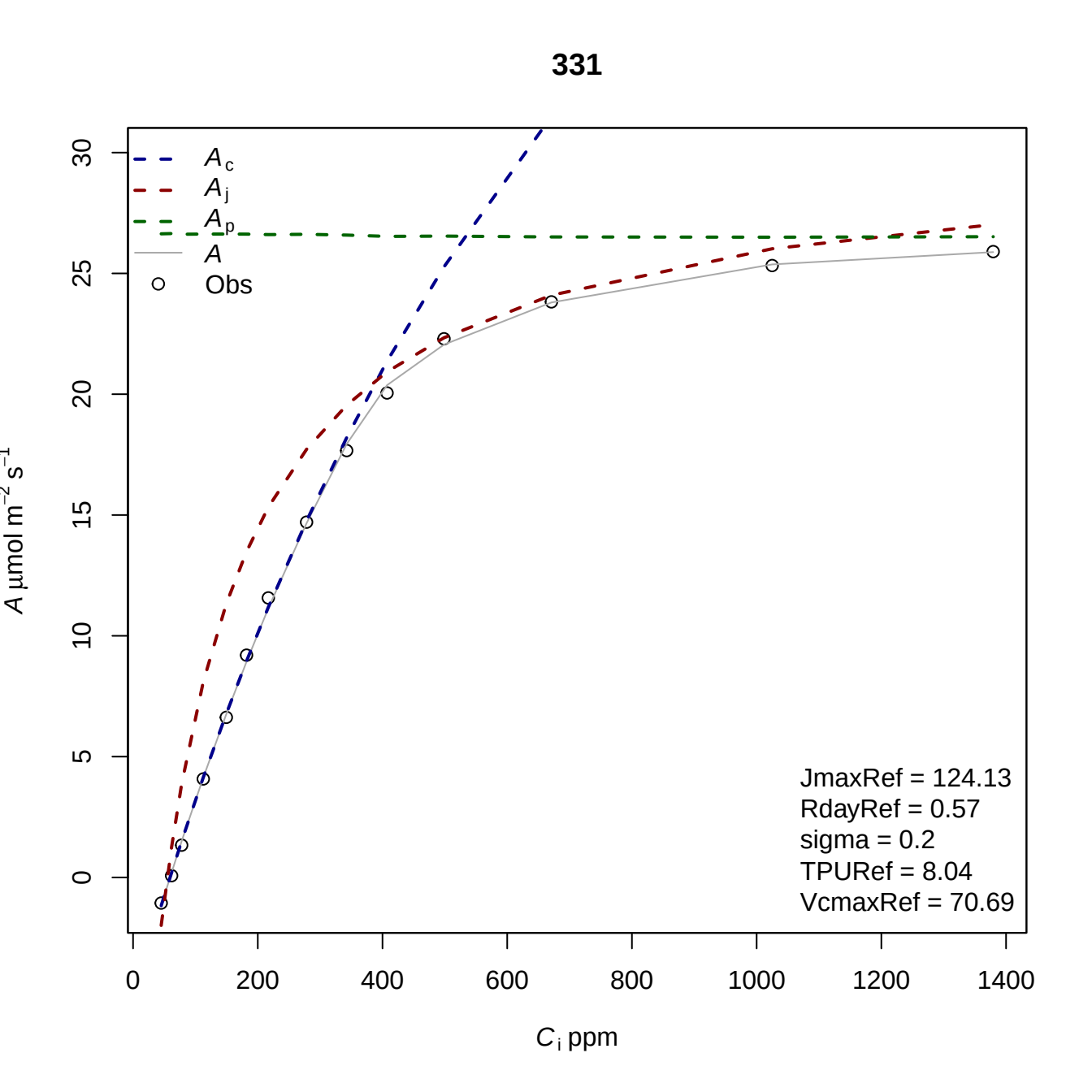

325
A_c
A_j
A_p
A
Obs
JmaxRef = 113.4
RdayRef = 0.88
sigma = 0.28
TPURef = 6.96
VcmaxRef = 55.51
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

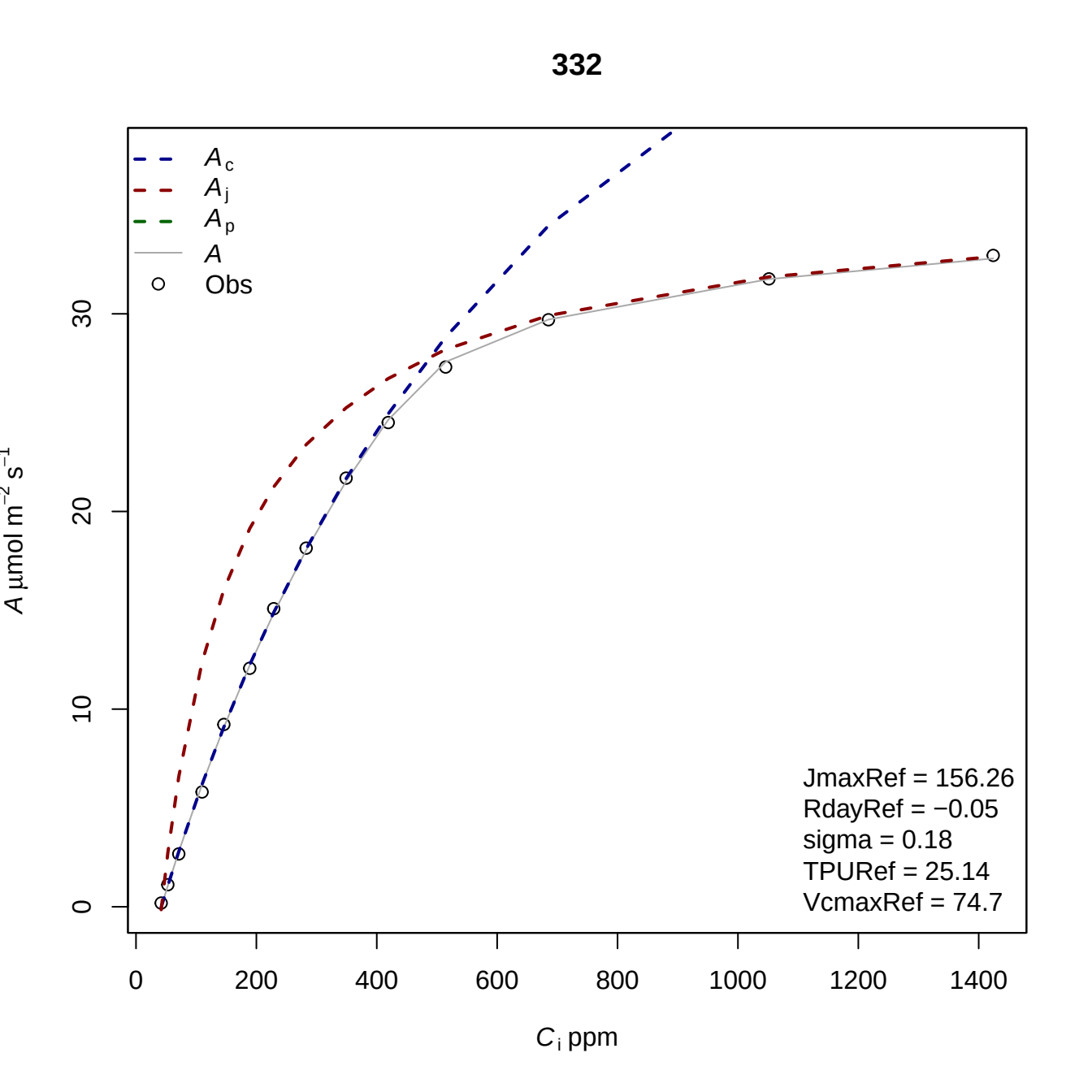

326
A_c
A_j
A_p
A
Obs
JmaxRef = 104.35
RdayRef = 1.2
sigma = 0.53
TPURef = 109042.62
VcmaxRef = 52.66
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000
1200
1400

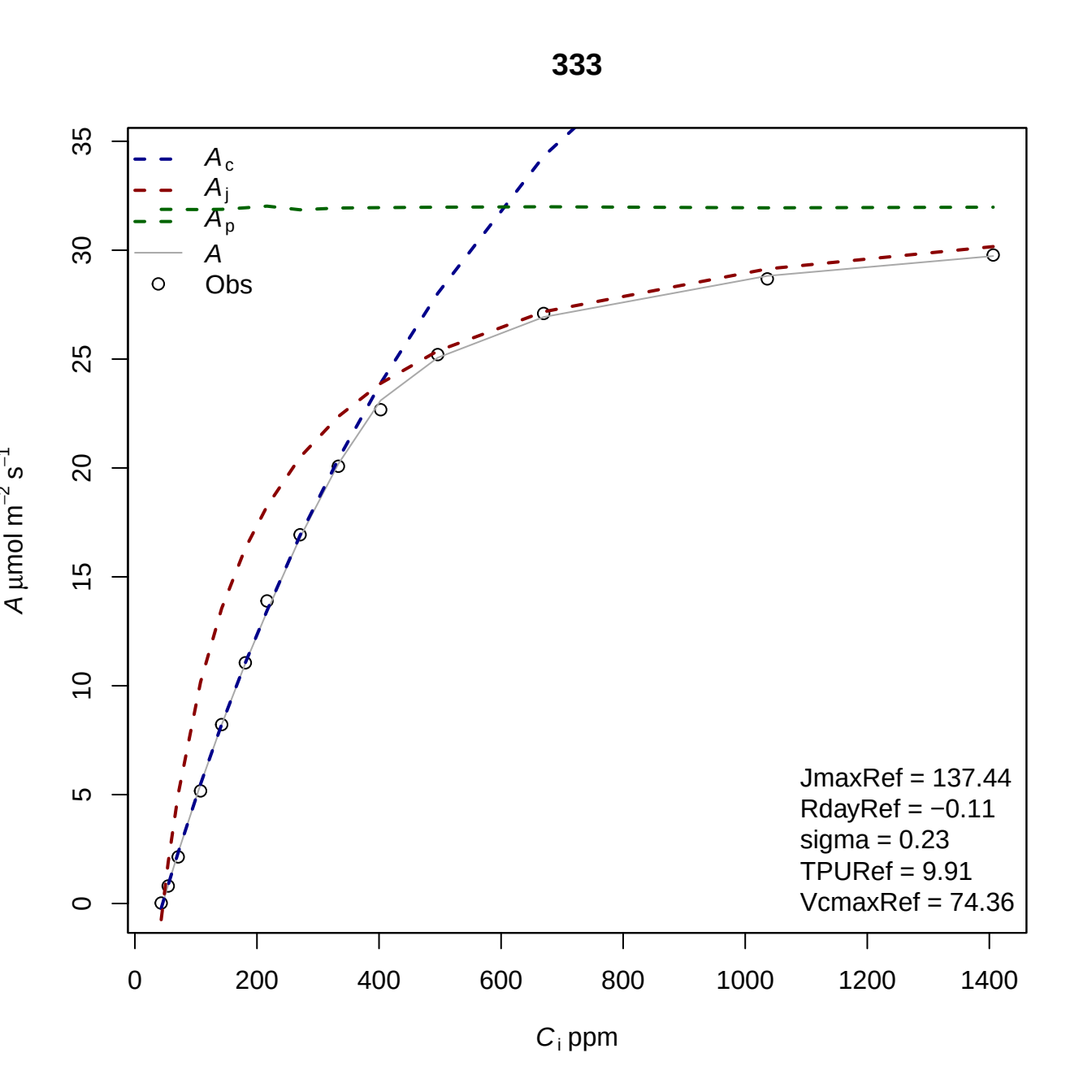

327
A_c
A_j
A_p
A
Obs
JmaxRef = 93.31
RdayRef = −2.71
sigma = 0.17
TPURef = 4.79
VcmaxRef = 68.05
A µmol m^{-2} s^{-1}
C_i ppm
0
500
1000
1500
5
10
15
20

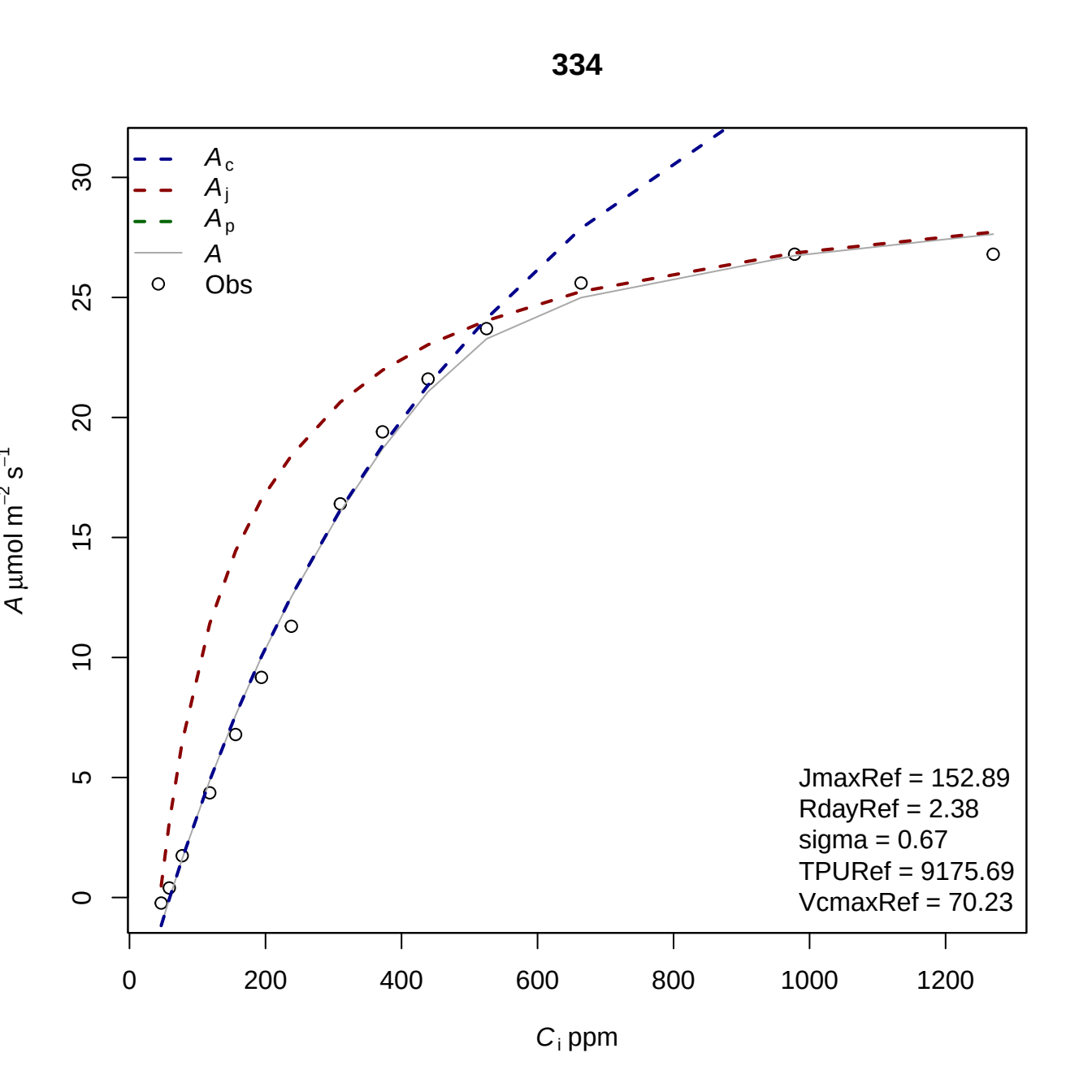

329
A_c
A_j
A_p
A
Obs
JmaxRef = 79.58
RdayRef = −0.47
sigma = 0.45
TPURef = 16383.69
VcmaxRef = 37.27
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

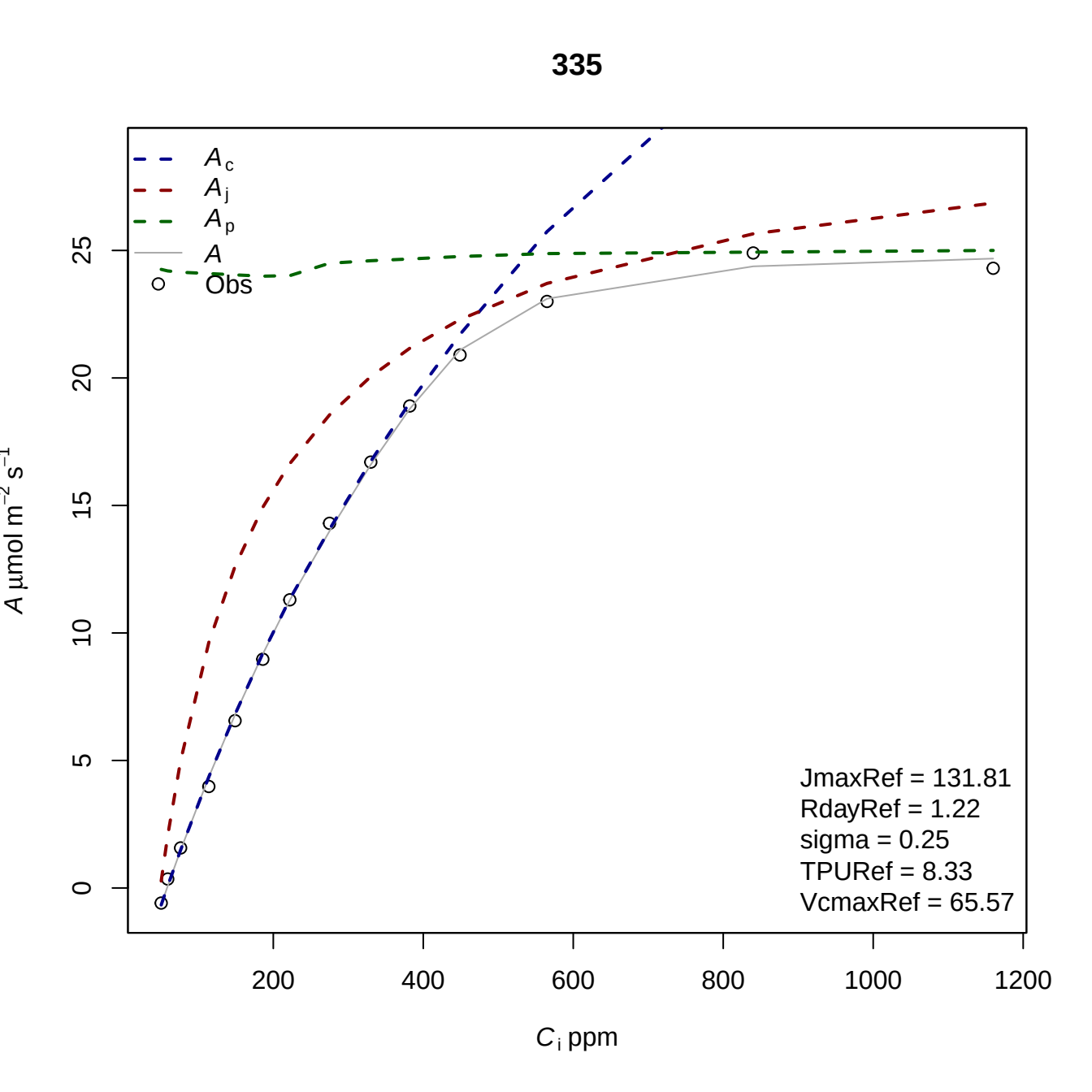

330
A_c
A_j
A_p
A
Obs
JmaxRef = 144.26
RdayRef = 0.53
sigma = 0.33
TPURef = 9.18
VcmaxRef = 79.63
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400

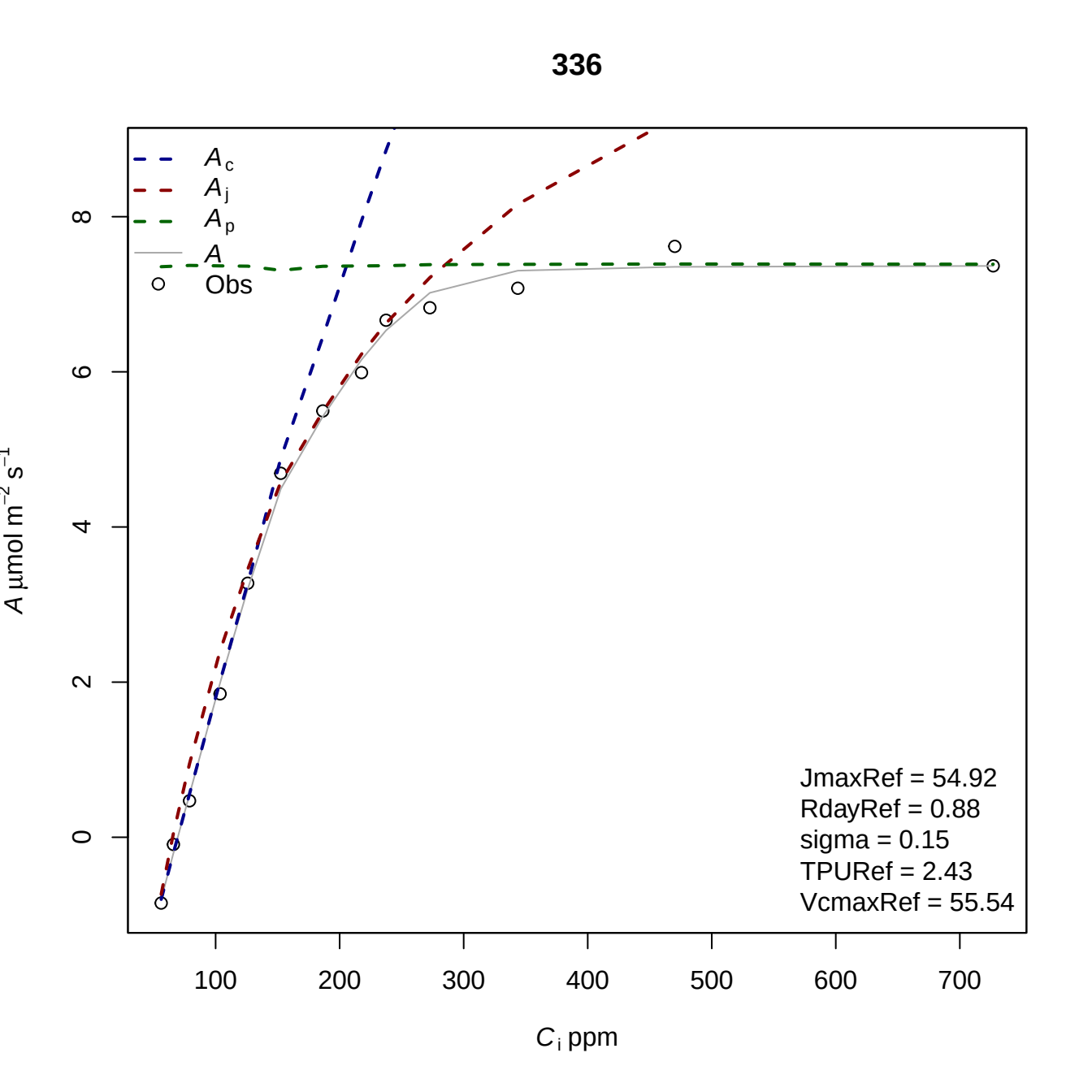

331
A_c
A_j
A_p
A
Obs
JmaxRef = 124.13
RdayRef = 0.57
sigma = 0.2
TPURef = 8.04
VcmaxRef = 70.69
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200
1400


332
A_c
A_j
A_p
A
Obs
JmaxRef = 156.26
RdayRef = −0.05
sigma = 0.18
TPURef = 25.14
VcmaxRef = 74.7
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
200
400
600
800
1000
1200
1400


333
A_c
A_j
A_p
A
Obs
JmaxRef = 137.44
RdayRef = −0.11
sigma = 0.23
TPURef = 9.91
VcmaxRef = 74.36
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
35
0
200
400
600
800
1000
1200
1400


334
A_c
A_j
A_p
A
Obs
JmaxRef = 152.89
RdayRef = 2.38
sigma = 0.67
TPURef = 9175.69
VcmaxRef = 70.23
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
0
200
400
600
800
1000
1200


335
A_c
A_j
A_p
A
Obs
JmaxRef = 131.81
RdayRef = 1.22
sigma = 0.25
TPURef = 8.33
VcmaxRef = 65.57
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
200
400
600
800
1000
1200


336
A_c
A_j
A_p
A
Obs
JmaxRef = 54.92
RdayRef = 0.88
sigma = 0.15
TPURef = 2.43
VcmaxRef = 55.54
A µmol m^{-2} s^{-1}
C_i ppm
0
2
4
6
8
100
200
300
400
500
600
700