A
WT Lhcbs
Asta Lhcbs
WT PSII core
Asta PSII core
WT PSI-LHCI
Asta PSI-LHCI
Abs. at 440 nm (a.u.)
4-keto
Ast
Ado
chl b
chl a
Neo
Vio
Lut
β-Car
Time (min)
B
0.010
0.005
0.000
0.16
0.14
0.002
0.19
0.18
0.003
14.0
14.5
15.0
C
D
Abs., a.u.
1800000
900000
1000000
500000
0
experimental abs
fitting
chl a
chl b
asta
4-keto
Can
Ado
400
500
600
700
Wavelength (nm)