



Figure S2. Spectra of leaf reflectance calculated at $C_{Car}=1.5 \text{ mg cm}^{-3}$, $C_{Car}=1 \text{ mg cm}^{-3}$, and $C_{Car}=0.5 \text{ mg cm}^{-3}$. These concentrations correspond to average concentrations of carotenoids in leaf equaling to 0.75, 0.5, and 0.25 mg cm^{-3} . Other parameters of the model are same with the parameters, which were used for simulation of spectrum in Figure 8c.