

Table II. ATP/ADP Ratios

Assay	ATP/ADP			
	Chloroplast	Cytosol + mitochondria	Cytosol	Mitochondria
	<i>mM</i>			
Light				
Spinach leaves ^a	2.4	3.9	(4.8) ^b	(1.9)
Wheat leaf protoplasts ^c	2.2	4.6	6.4	2.6
Dark				
Spinach leaves ^a	0.6	1.8	(3.0)	(0.2)
Wheat leaf protoplasts ^c	1.1	3.7	9.2	0.6

^a Data from Table I. ^b The data in parentheses have been estimated from analogy with the subcellular distribution of adenylates in wheat leaf protoplasts on the assumption that 82% of the extrachloroplastic ADP + ATP are located in the cytosol and the rest in the mitochondria and that the factor between the cytosolic and mitochondrial ATP to ADP ratios is 2.5 in the light and 15 in the dark (27). ^c Data from Stitt *et al.* (27).