

Table I. Content of RuBPC and PPDK Polypeptides in the First Leaves and Flag Leaves of two Wheat Species

	Diploid (2×) <sup>a</sup>		Hexaploid (6×) <sup>b</sup>	
	First leaf	Flag leaf	First leaf	Flag leaf
RuBPC (dpm × 10 <sup>-3</sup> per g fresh wt)	94	190	83	200
PPDK (dpm × 10 <sup>-3</sup> per g fresh wt)	6.0	7.4	1.7	4.0
Mesophyll cells (no. × 10 <sup>-6</sup> per g fresh wt)	5.3	5.3	1.4	1.7
Mesophyll cells (no. × 10 <sup>-5</sup> per cm <sup>2</sup> )	5.6	6.3	1.9	2.3
RuBPC per mesophyll cell (dpm 10 <sup>3</sup> )	18	36	59	120
RuBPC per unit leaf area (dpm cm <sup>-2</sup> )	160	230	150	270
PPDK per mesophyll cell (dpm 10 <sup>3</sup> )	1.1	1.4	1.2	2.4
PPDK per unit leaf area (dpm cm <sup>-2</sup> )	10	8.8	3.1	5.4

<sup>a</sup> *T. boeoticum*. <sup>b</sup> *T. aestivum* cv Anza. RuBPC and PPDK content are mean ± SE of 3 to 5 samples. Mesophyll cell number is mean ± SE of duplicate samples.