

TABLE I

Percentage of mesophyll and epidermal cells in barley leaves with detectable levels of various elements in their vacuoles. The elements were measured by X ray microanalysis, and results are summarized across 38 leaf samples from 13 different treatments. Data from Leigh and Storey (1993)

Cell type	Total number of cells measured	% of cells with a detectable level of nutrient				
		P	Cl	Ca	K	Na
Mesophyll	414	87	5	0	75	51
Adaxial epidermis	641	0	57	64	60	38
Abaxial epidermis	610	0	56	53	51	31
Adaxial plus abaxial	1251	0	56	59	56	35