

Table 4 Carbohydrate concentrations in the cytosol of mesophyll cells of leaves as well as in the apoplast and in the phloem sap from common plantain, sea plantain, peach and celery

	Concentration (mM)			Ratio	Ratio
	Cytosol	Apoplast	Phloem sap	Phl/apo	Phl/cyt
Common plantain					
Sorbitol	133 ± 48	5.5 ± 1.2	422 ± 129	77	3.2
Sucrose	12 ± 2.5	0.3 ± 0.1	645 ± 225	2,150	40
Sorbitol/sucrose	11	18	0.7		
Sea plantain					
Sorbitol	13 ± 8.4	7.9 ± 2.5	315 ± 105	40	24
Sucrose	20 ± 4.9	0.3 ± 0.1	355 ± 112	1,183	18
Sorbitol/sucrose	0.7	26	0.9		
Peach					
Sorbitol	290 ± 62	24.4 ± 9.5	582 ± 90	24	2.0
Sucrose	106 ± 16	1.2 ± 0.6	207 ± 51	173	2.0
Sorbitol/sucrose	2.7	20	2.8		
Celery					
Mannitol	100 ± 39	6.7 ± 3.3	732 ± 131	109	7.3
Sucrose	86 ± 28	1.2 ± 0.9	389 ± 84	324	4.5
Mannitol/sucrose	1.2	5.6	1.9		

Mean values of $n = 3-9$ independent measurements are shown.
Mean values ± SD