

Table 1 Comparison of prediction accuracies of plant protein subcellular locations by different tools

	Total positives	Total negatives	TargetP			WoLF PSORT			MultiLoc2		
			Sn (%)	Sp (%)	MCC (%)	Sn (%)	Sp (%)	MCC (%)	Sn (%)	Sp (%)	MCC (%)
Secreted	263	6645	76.8	98.7	72.3	43.7	99.6	58.0	51.3	98.6	53.7
Mitochondrial	402	6506	61.4	77.5	21.1	33.3	96.2	30.4	60.9	84.2	27.3
Chloroplast	4918	1990	28.2	90.7	20.4	28.2	83.9	12.7	19.2	98.6	23.2
ER	87	6821	-	-	-	9.2	99.9	24.5	29.9	98.4	23.0
Cytosol	23	6885	-	-	-	52.2	65.6	2.2	95.7	51.5	5.4
Golgi Apparatus	54	6854	-	-	-	0.0	99.9	-0.2	24.1	98.5	15.5
Peroxisome	52	6856	-	-	-	15.4	99.3	14.3	42.3	98.1	23.9
Nucleus	788	6120	-	-	-	80.3	78.1	41.1	26.8	93.3	22.4
Plasma Membrane	14	6894	-	-	-	21.4	97.9	6.1	7.1	99.4	3.9
Vacuole	121	6787	-	-	-	14.0	99.5	21.2	5.0	99.8	11.6

Note: Sn: Sensitivity; Sp: Specificity; MCC: Mathews' correlation coefficient