

**Additional file 1**

Altogether, *WallProtDB* contains 2170 proteins which have been classified into functional classes according to Jamet *et al.* (2008).

Functional classes	Proteins acting on cell wall polysaccharides	Oxido-reductases	Proteases	Proteins related to lipid metabolism	Proteins with interacting domains (with proteins or polysaccharides)	Proteins possibly involved in signaling	Structural proteins	Proteins with yet unknown function	Miscellaneous proteins	Total number of proteins
<b>Dicots</b>										
<i>Arabidopsis thaliana</i>	128	71	58	31	52	33	8	61	53	495
<i>Brassica oleracea</i>	48	39	28	8	8	9	0	9	13	162
<i>Gossypium hirsutum</i>	39	19	9	9	3	13	0	8	16	116
<i>Linum usitatissimum</i>	23	24	9	9	8	4	1	11	17	106
<i>Medicago sativa</i>	43	34	29	13	30	14	2	13	21	199
<i>Populus spp</i>	48	33	20	13	1	7	0	13	7	142
<i>Solanum lycopersicum</i>	41	17	26	19	22	5	1	10	20	161
<i>Solanum tuberosum</i>	44	13	26	10	9	1	0	8	25	136
<b>Monocots</b>										
<i>Brachypodium distachyon</i>	73	52	45	28	17	14	0	50	35	314
<i>Oryza sativa</i>	83	36	32	26	22	7	8	26	30	270
<i>Saccharum officinarum</i>	8	21	6	3	8	1	0	8	14	69
<b>Total number of proteins</b>	<b>578</b>	<b>359</b>	<b>288</b>	<b>169</b>	<b>180</b>	<b>108</b>	<b>20</b>	<b>217</b>	<b>251</b>	<b>2170</b>