



SUPPLEMENTARY FIGURE S1

**Supplementary Figure S1.** Protein sequences were deduced from cDNA or EST sequences obtained from the Phytozome interface of the Joint Genome Institute (JGI) and from the National Center for Biotechnology Information (NCBI) for *Arabidopsis thaliana* (Arabidopsis), *Glycine max* (soybean), *Nicotiana tabacum* (tobacco), *Oryza sativa* (rice), *Physcomitrella patens* (Physcomitrella), *Populus trichocarpa* (poplar), *Saccharomyces cerevisiae* (yeast1), *Saccharomyces bayanus* (yeast2), *Solanum esculentum* (tomato), *Solanum tuberosum* (potato) and *Sorghum bicolor* (sorghum). The sources for the sequences are as follows: the JGI gene names are given for Physcomitrella, poplar, and sorghum sequences; the genome annotations are given for the Arabidopsis and rice sequences; the NCBI accession numbers are given for the tobacco, soybean, yeast, potatoPKCYT1 and tomato7 sequences; the TIGR Transcript Contig (TC) codes are given for the rest of the potato and tomato sequences. Regions of the deduced protein sequences that were judged to be incorrectly annotated or missing from the current gene models are highlighted in yellow.

>Arabidopsis1 At5g52920

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>Arabidopsis2 At1g32440

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>Arabidopsis3 At3g22960

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>Arabidopsis4 At3g55650

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>Arabidopsis5 At3g55810

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>Arabidopsis6 At3g25960

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>Arabidopsis7 At3g04050

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>Arabidopsis8 At5g08570

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>Arabidopsis10 At4g26390

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>Arabidopsis12 At2g36580

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>Arabidopsis14 At3g49160

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>Physcomitrella1 131669

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>Physcomitrella2 186171

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>Physcomitrella3 172921

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>Physcomitrella4 109480

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>Physcomitrella5 159402

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>Physcomitrella6 219237

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>Physcomitrella7 169342

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>Physcomitrella8 108784

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>Physcomitrella9 128385

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>Physcomitrella10 148824

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>soybean2 L08632

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>soybean3 AY128952

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>tobacco1 Q40546

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>tobacco2 CK294819

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>tobacco3 CN747592 and DW001363

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>tobacco4 Q40545

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>tobacco5 Z29492

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>tobacco6 CK290844

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>tomato1 TC170021

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>tomato2 TC170352

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>tomato3 TC172280

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>tomato4 TC179493

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>tomato5 TC181248

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>tomato6 TC182827

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>tomato7 AW933570

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>tomato8 TC184086

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>tomato9 TC183199

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>yeast1 NP\_009362

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>yeast2 AA032371

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