

Table 1 Suppl. Details of primers used in the RT-qPCR analysis.

Gene name	Forward primer	Reverse primer
<i>actin</i>	GACCAGCTCTGCTGTGGAGA	ATGGCTGGAAGAGGACCTCAG
<i>pvga20ox</i> (cluster-7524.32729)	CGCGTATCGGGAGATGGATG	CACGGCAGCTTTGTGGAAAA
<i>pvsyp</i> (cluster-9289.0)	CGTCGCCCTCCTCATCTTCT	ATGCCTTCCTAGTATTTCTTCAC
<i>PvELF3</i> (Cluster-7524.11783)	GGCTCCTCTTCCCAACACTT	TCCTCAAACCTCCAGCCTTC
<i>PvCRY1</i> (Cluster-7524.15863)	GAGGCAGAGCCAAGAAGAGC	GAGGGTGACCAAACCTGGAATA
<i>PvSOC1</i> (Cluster-7524.33732)	AAATGGTGAGGGGAAAAGTG	TGCATCGCACAGAACTGAGA
<i>PvSOC1</i> (Cluster-7524.29380)	TTCTTACCTCAAACCTCCTCAA	AGAAGGTCACCTGCCTGCTC
<i>PvSOC1</i> (Cluster-7524.33052)	AGCGTCGAAATGGGCTGTTG	TTCTGCTTTATGTGCTGTAGGTG



Fig. 1 Suppl. *Prunella vulgaris* sown in spring (March 2019) and autumn (September 2018). The *left* and *right* sides of the picture show *P. vulgaris* sown in spring and autumn, defined as nonflowering *P. vulgaris* and flowering *P. vulgaris*, respectively.

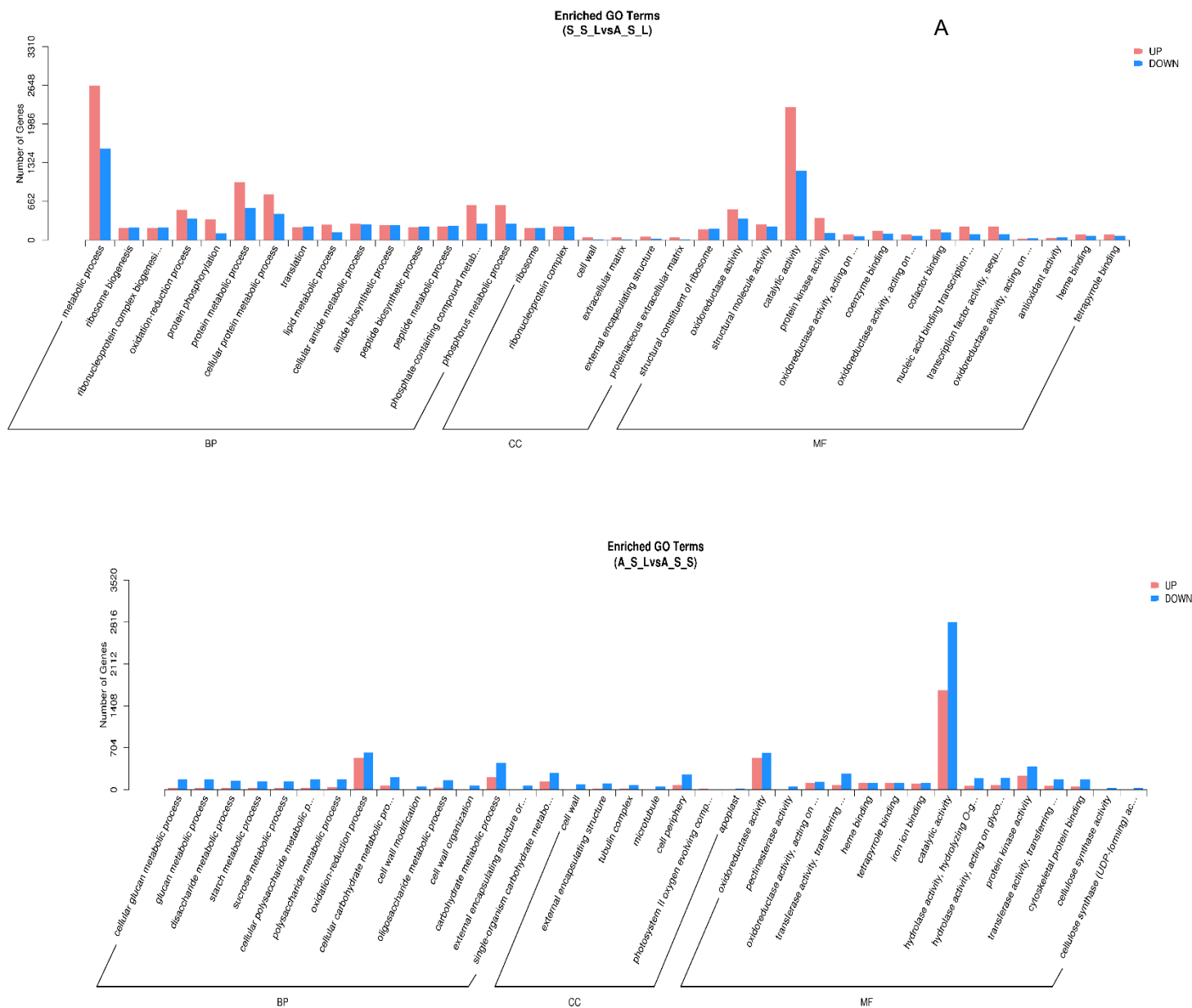


Fig. 2 Suppl. Annotations of DEGs in *GO*. S-S-L denotes the leaves of nonflowering *P. vulgaris*; A-S-L and A-S-S denote the leaves and spicas of flowering *P. vulgaris*, respectively. Part (A) shows S-S-L vs A-S-L, and part (B) shows A-S-L vs A-S-S. BP - biological processes; CC - cell components; MF - molecular functions.