Figure S1. Validation of relative expression of gene and isoform expression obtained from RNA-seq by qPCR. RNA-seq and qPCR analyses were performed as described in the Experimental Section. Relative (qPCR) and FPKM (RNA-seq) expression values are presented as an average ± SD of three biological replicates.
Genes

**Glyma06g23560: unknown protein; fatty acid biosynthesis**
- **qPCR**
- **RNA-seq**

**Glyma08g07460: iron/ascorbate family oxidoreductase**
- **qPCR**
- **RNA-seq**

**Glyma08g24420: WRINKLED1**
- **qPCR**
- **RNA-seq**

**Time (days)**
Glyma16g06850: glucose-6P dehydrogenase 1

Glyma07g05550: pyruvate dehydrogenase E1 subunit alpha

Glyma18g01330: glyceraldehyde-3P dehydrogenase subunit C
**Glyma10g06600: Phe ammonia-lyase**

- **qPCR**
- **RNA-seq**

**Glyma16g23750: DNAJ heat shock N-terminal domain-containing protein (J11)**

- **qPCR**
- **RNA-seq**

**Glyma16g33790: trypsin and protease inhibitor family protein**

- **qPCR**
- **RNA-seq**

*Time (days)*
Glyma15g40440: protein kinase family protein

Glyma07g06370: jasmonate resistant 1
### Splice variants

**Glyma07g11810.1 & N3: Gln synthase**

- `#1 qPCR` (black line)
- `#N3 qPCR` (gray line)
- `#N3 RNA-seq` (light gray line)
- `#1 RNA-seq` (dark gray bar)

**Glyma09g41340.3 and N4: SnRK 3.8**

- `#3 qPCR` (black line)
- `#N4 qPCR` (gray line)
- `#3 RNA-seq` (dark gray bar)
- `#N4 RNA-seq` (light gray bar)

**Time (days)**

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**RNA-seq (FPKM)**

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**qPCR (relative expression)**

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<th>Glyma09g41340.3 and N4: SnRK 3.8</th>
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Glyma05g34450.1 and N3: heat shock TF

Glyma09g04000.2 and 3: ATP-citrate lyase

Time (days)