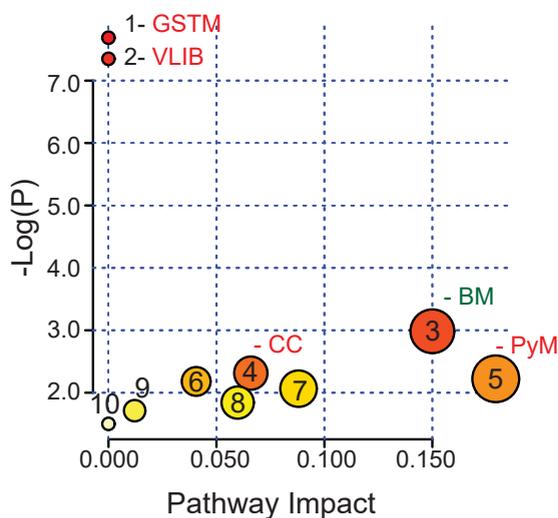
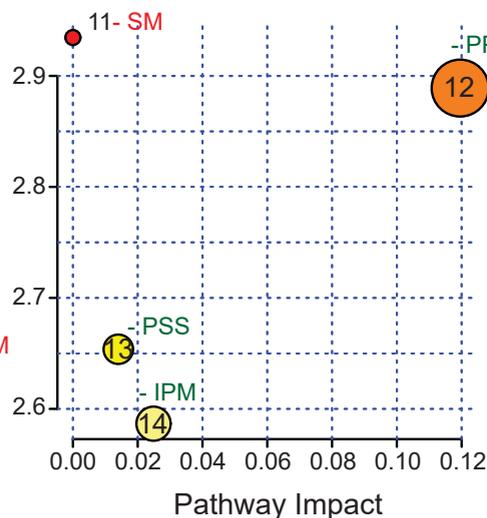


4B

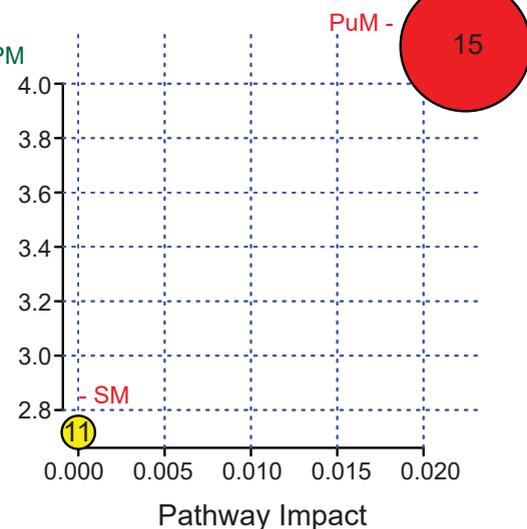
Day 2 (EnSC vs PVC)



Day 4 (EnSC vs PVC)



Day 8 (EnSC vs PVC)



Least significant  Most significant

Lowest pathway impact  Highest pathway impact

Day 2

Number	Pathway
1	Glycine, serine & threonine metabolism
2	Valine, leucine & isoleucine biosynthesis
3	Biotin metabolism
4	Citrate Cycle (TCA cycle)
5	Pyruvate metabolism
6	Propanoate metabolism
7	Glycolysis/ Gluconeogenesis
8	Cysteine and methionine metabolism
9	Arginine and proline metabolism
10	Aminoacyl- tRNA biosynthesis

Key

Lower levels in PVC  
Higher levels in PVC

Differential pathways corresponds to Figure 4B

Day 4

Number	Pathway
11	Sphingolipid metabolism
12	Pentose phosphate metabolism
13	Phosphatidylinositol signalling system
14	Inositol phosphate metabolism

Day 8

Number	Pathway
11	Sphingolipid metabolism
15	Pentose phosphate metabolism

**Figure S6:** Metaboanalyst Pathway analysis comparing PVC to EnSC of untargeted metabolomics by for day two, four and eight decidualization. Pathways labelled: glycine, serine, and threonine metabolism (GSTM), valine, leucine, and isoleucine biosynthesis (VLIB), biotin metabolism (BM), tricarboxylic acid cycle (TCA), pyruvate metabolism (PyM), sphingolipid metabolism (SM), pentose phosphate metabolism (PPM), phosphatidylinositol signalling system (PSS), inositol phosphate metabolism (IPM) and purine metabolism (PuM). Other pathways, are labelled with numbers and can be found in the table.