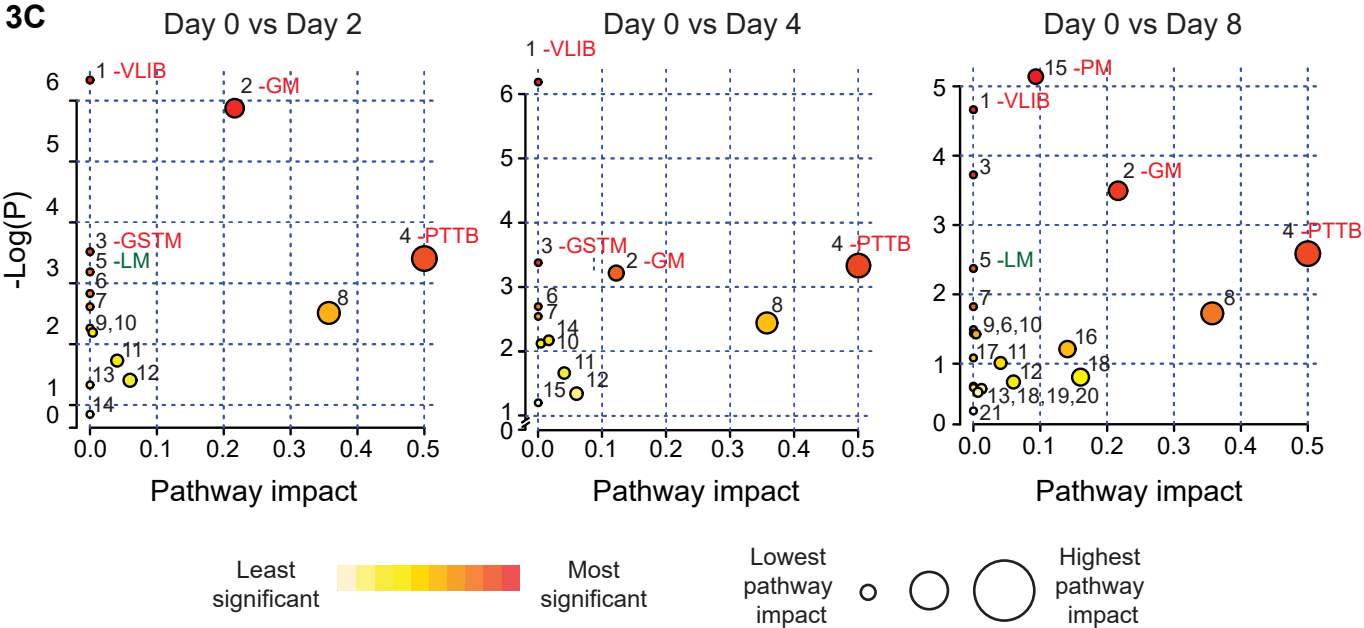




Number	Pathway	Key	
1	Valine, leucine & isoleucine biosynthesis	Higher levels at day zero	Lower levels at day zero
2	Glycerophospholipid metabolism		
3	Glycine, serine & threonine metabolism		
4	Phenylalanine, tyrosine, and tryptophan biosynthesis		
5	Linoleic acid metabolism		
6	Aminoacyl-tRNA biosynthesis		
7	Vitamin B6 metabolism		
8	Phenylalanine metabolism		
9	alpha-Linolenic acid metabolism		
10	Glycosylphosphatidylinositol (GPI)- anchor biosynthesis		
11	Propanoate metabolism		
12	Cysteine& methionine metabolism		
13	Arachidonic acid metabolism		
14	Purine metabolism		
15	Pyrimidine metabolism		
16	Pentose & glucuronate interconversions		
17	Sphingolipid metabolism		
18	Porphyrin & chlorophyll metabolism		
19	Amino & nucleotide sugar metabolism		
20	Arginine & proline metabolism		
21	1 N-Glycan biosynthesis		

Note: Numbers correspond to numbers on Figure 3C, pathways that are altered upon decidualization i.e. Day 0 to Day 2, Day 0 to Day 4 or Day 0 to Day 8 decidualization

Figure S4: MetaboAnalyst pathway analysis across decidualization in EnSC. The most enriched pathways include valine, leucine, and isoleucine biosynthesis (VLIB); glycerophospholipid metabolism (GM); glycine, serine, and threonine metabolism (GSTM); Phenylalanine tyrosine and tryptophan biosynthesis (PTTB); Linoleic acid metabolism (LM); and pyrimidine metabolism (PM). Other pathways are numbered and tabulated.