

**S8 Fig. Heat map of altered metabolite of DPI treated mycobacteria at 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> and 9<sup>th</sup> days of treatment**

**A) Nucleotide and nucleoside related**

Metabolites	1	3	5	9
dTMP	Green	Green	Yellow	Green
-D-ribose-1-phosphate	Red	Yellow	Yellow	Yellow
D-ribulose 5-phosphate	Red	Yellow	Yellow	Yellow
D-xylulose 5-phosphate	Red	Green	Yellow	Yellow
IMP	Yellow	Yellow	Yellow	Green
keto-D-ribose 5-phosphate	Red	Green	Yellow	Yellow
UTP	Yellow	Red	Yellow	Yellow
α-D-ribose-1-phosphate	Green	Green	Yellow	Yellow
adenine	Light Green	Green	Yellow	Green
1-(5-phospho-β-D-ribose)-AMP	Green	Green	Yellow	Yellow
CMP	Yellow	Green	Yellow	Yellow
hypoxanthine	Yellow	Red	Yellow	Yellow

**B) Amino Acid and precursor**

Metabolites	1	3	5	9
L-arginino-succinate	Green	Green	Green	Green
D-glutamate	Yellow	Green	Green	Yellow
L-asparagine	Green	Red	Yellow	Yellow
L-aspartyl-4-phosphate	Red	Yellow	Yellow	Yellow
L-cystathionine	Green	Yellow	Yellow	Green
L-glutamate	Yellow	Green	Green	Yellow
L-lysine	Green	Yellow	Yellow	Yellow
L-phenylalanine	Light Green	Yellow	Yellow	Yellow
L-rhamnonate	Yellow	Red	Yellow	Yellow
L-γ-glutamylcysteine	Green	Yellow	Yellow	Yellow
meso-diaminopimelate	Yellow	Yellow	Red	Yellow
L,L-diaminopimelate	Yellow	Yellow	Red	Yellow
N-acetylglutaminyglutamine	Green	Yellow	Yellow	Green
N-acetyl-L-ornithine	Yellow	Light Green	Yellow	Yellow
O-acetyl-L-serine	Yellow	Green	Green	Yellow
2-aminoprop-2-enoate	Green	Green	Yellow	Green
2-iminobutanoate	Green	Green	Yellow	Green
(2Z)-2-aminobut-2-enoate	Green	Green	Green	Green
indole	Green	Yellow	Yellow	Yellow

### C) Organic acid

Metabolites	1	3	5	9
fumarate	Yellow	Red	Yellow	Red
oxaloacetate	Yellow	Green	Yellow	Yellow
D-threo-isocitrate	Yellow	Green	Yellow	Yellow
R)-lactate	Yellow	Red	Yellow	Yellow
succinate	Yellow	Yellow	Yellow	Red
succinate semialdehyde	Green	Yellow	Yellow	Yellow
(R)-lactate	Yellow	Yellow	Yellow	Red
(S)-2-acetolactate	Yellow	Yellow	Yellow	Red
citrate	Yellow	Green	Yellow	Yellow
(S)-lactate	Yellow	Red	Yellow	Red
(S)-malate	Yellow	Yellow	Green	Yellow
cis-vaccenate	Green	Green	Yellow	Green
(2R,3S)-2-methylisocitrate	Red	Yellow	Yellow	Yellow
(2S)-2-phospholactate	Yellow	Yellow	Green	Yellow
3-methyl-2-oxobutanoate	Green	Yellow	Yellow	Yellow
(S)-2-aceto-2-hydroxybutanoate	Green	Green	Yellow	Yellow
(S)-4-hydroxy-2-oxohexanoate	Green	Green	Green	Yellow
(R)-2,3-dihydroxy-3-methylbutanoate	Green	Yellow	Yellow	Yellow
(S)-3-hydroxy-isobutanoate	Green	Yellow	Yellow	Yellow
2-succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylate	Yellow	Green	Yellow	Yellow
3-[(3aS,4S,5R,7aS)-5-hydroxy-7a-methyl-1-oxo-octahydro-1H-indene-4-carboxylate	Yellow	Green	Green	Yellow
2-dehydropantoate	Green	Green	Yellow	Yellow
2-oxobutanoate	Green	Yellow	Yellow	Yellow
8-amino-7-oxononanoate	Green	Yellow	Yellow	Yellow
(S)-methylmalonate-semialdehyde	Green	Yellow	Yellow	Yellow
5-enolpyruvyl-shikimate 3-phosphate	Yellow	Yellow	Green	Yellow

### E) Lipid and fatty acid

Metabolites	1	3	5	9
L-1-glycero-3-phosphocholine	Green	Green	Yellow	Yellow
octadecanal	Yellow	Yellow	Yellow	Green
octanoate	Green	Yellow	Red	Yellow
palmitoleate	Yellow	Green	Yellow	Green
phosphocholine	Green	Yellow	Yellow	Yellow
stearate	Yellow	Yellow	Green	Yellow
3-oxo-23,24-bisnorcholesterol-4-en-22-oyl-CoA	Red	Yellow	Yellow	Yellow
3-oxocholesterol-4-en-26-oyl-CoA	Red	Yellow	Yellow	Yellow
3-oxocholesterol-4-en-26-oyl-CoA	Green	Yellow	Yellow	Yellow

### D) Sugar

Metabolites	1	3	5	9
inosine	Green	Green	Yellow	Green
chitotriose	Yellow	Yellow	Yellow	Green
D-glucosamine 1-phosphate	Red	Yellow	Yellow	Yellow
D-sedoheptulose 7-phosphate	Red	Yellow	Yellow	Yellow
dTDP-β-L-rhamnose	Yellow	Green	Yellow	Yellow
glycerol	Red	Yellow	Yellow	Yellow
sn-glycerol 3-phosphate	Yellow	Green	Yellow	Yellow
UDP-N-acetyl-α-D-glucosamine	Yellow	Green	Yellow	Yellow
UDP-α-D-galactose	Green	Green	Yellow	Yellow
UDP-α-D-glucose	Green	Green	Yellow	Yellow
α,α-trehalose	Green	Yellow	Yellow	Yellow
α-D-glucosamine 6-phosphate	Red	Yellow	Yellow	Yellow
3-hydroxy-9,10-secoandrosta-1,3,5(10)-triene-9,17-dione	Green	Yellow	Yellow	Yellow
D-erythro-imidazole-glycerol-phosphate	Green	Yellow	Yellow	Yellow
dihydroxyacetone phosphate	Yellow	Yellow	Green	Yellow
UMP	Green	Yellow	Yellow	Yellow
3-deoxy-D-arabinoheptulosonate-7-phosphate	Yellow	Yellow	Yellow	Green
2-O-(6-phospho-α-D-mannosyl)-D-glycerate	Yellow	Yellow	Yellow	Green
2-O-(α-D-glucopyranosyl)-D-glycerate	Green	Yellow	Yellow	Green
2-[2-O-(α-D-mannopyranosyl)-α-D-glucopyranosyl]-3-phospho-D-glycerate	Green	Green	Yellow	Yellow
2-C-methyl-D-erythritol 4-phosphate	Yellow	Red	Yellow	Yellow
5,6-dimethylbenzimidazole	Green	Yellow	Yellow	Yellow
5-formamido-1-(5-phospho-D-ribose)-imidazole-4-carboxamide	Yellow	Yellow	Yellow	Green
9α-hydroxyandrosta-1,4-diene-3,17-dione	Green	Yellow	Yellow	Yellow

### F) Sulfur metabolisms

Metabolites	1	3	5	9
sulfate	Yellow	Red	Yellow	Yellow
mycothiol	Red	Green	Yellow	Yellow
mycothione	Green	Green	Yellow	Yellow
myo-inositol	Yellow	Red	Yellow	Yellow
S-methyl-5'-thioadenosine	Green	Yellow	Yellow	Yellow
dethiobiotin	Green	Green	Yellow	Yellow
glutathioselenol	Red	Yellow	Yellow	Yellow
L-cystathionine	Green	Yellow	Yellow	Green

### G) Energy metabolisms

Metabolites	1	3	5	9
NAD+	Green	Yellow	Yellow	Yellow
nicotinate	Green	Yellow	Yellow	Yellow
MoO <sub>2</sub> -molybdopterin cofactor	Green	Yellow	Yellow	Yellow
protoporphyrin IX	Red	Yellow	Yellow	Yellow