Supplemental Table 1. Metabolic pathways altered following CB839 treatment

Th1 Pathway	Total	Hits	Raw p	Hits Discovered
Alanine, aspartate and glutamate metabolism	24	8	5.34E-08	Fumaric acid; Pyruvic acid; Ureidosuccinic acid; L-Aspartic Acid; Arginosuccinic acid; L-glutamic acid; L-glutamine; Oxoglutaric acid
Citrate cycle (TCA cycle)	20	5	0.0001074	Oxoglutaric acid; L-malic acid; Pyruvic Acid; Fumaric acid; Phosphoenolpyruvate
D-Glutamine and D-glutamate metabolism	5	3	0.00015834	L-Glutamic acid; L-glutamine; oxoglutaric acid
Pyrimidine metabolism	41	6	0.00048197	L-Glutamine; 4,5-Dihydroorotic acid; Dihydrouracil; Cytidine monophosphate; Cytidine; Ureidosuccinic acid
Arginine and proline metabolism	44	6	0.00071444	L-Glutamine; L-Aspartic acid; Argininosuccinic acid; L-Glutamic acid; L-4-Hydroxyglutamate semialdehyde; Fumaric acid
Histidine metabolism	15	3	0.0060105	L-Glutamic acid; Methylimidazoleacetic acid; L-Aspartic acid
Butanoate metabolism	22	3	0.017935	Oxoglutaric acid; Pyruvic acid; 2-Hydroxyglutarate
Pyruvate metabolism	23	3	0.020258	Phosphoenolpyruvic acid; Pyruvic acid; L-Malic acid;
Nitrogen metabolism	9	2	0.021285	L-Glutamic acid; L-Glutamine;
Cysteine and methionine metabolism	27	3	0.031146	5'-Methylthioadenosine; 2-Aminoacrylic acid; Pyruvic acid;

Th17 Pathway	Total	Hits	Raw p	Hits Discovered
Pentose phosphate pathway	19	5	0.00433	Deoxyribose 5-phosphate; D-Ribulose 5-phosphate; Sedoheptulose 7-phosphate; 6-Phosphogluconic acid; D-Erythrose 4-phosphate
Alanine, aspartate and glutamate metabolism	24	5	0.01245	Argininosuccinic acid; L-Alanine; Ureidosuccinic acid; Succinic acid; Glucosamine 6-phosphate
Phenylalanine, tyrosine and tryptophan biosynthesis	4	2	0.02017	L-Phenylalanine; L-Tyrosine
Purine metabolism	68	8	0.04882	Xanthine; D-Ribulose 5-phosphate; ADP; Deoxyinosine; Hypoxanthine; Guanosine triphosphate; Guanosine; Adenosine diphosphate ribose