

Figure 2 displays 14 stacked bar charts, each representing a different metabolite. Each chart compares the percentage distribution of that metabolite between the cytosol (left bar) and mitochondria (right bar). The y-axis for all charts ranges from 0 to 100. The metabolites are: PEP, Pyr, Cit, IsoCit, a-KG, Suc, Fum, Mal, Glutamine, Glutamate, Aspartate, Alanine, 2-OHGLu, Glc6P, and Fru1,6BP. The bars are color-coded to represent different metabolite categories: Dark Purple (bottom), Blue, Green, Yellow, Orange, and Light Green (top). Numerical values are provided for each segment of the bars.

Metabolite	Location	Dark Purple	Blue	Green	Yellow	Orange	Light Green
PEP	Cytosol	8.7		91.3			
	Mitochondria	31.8		67.1			
Pyr	Cytosol	29.9		69.3			
	Mitochondria	7.3	4.0				
Cit	Cytosol	44.8	18.2	6.1	15.8	13.1	
	Mitochondria	50.1	19.4	9.5	8.9	9.9	
IsoCit	Cytosol	67.5	9.9		10.9	8.0	
	Mitochondria	97.4					
a-KG	Cytosol	33.1	21.4	8.0	18.8	16.4	
	Mitochondria	66.9	13.7	6.2	6.7	5.1	
Suc	Cytosol	50.7	16.5	11.5		7.3	
	Mitochondria	49.2	17.9	11.2		9.0	
Fum	Cytosol	62.8	13.1	11.0		6.7	
	Mitochondria	64.9	13.6	9.8		6.9	
Mal	Cytosol	44.5	17.7	18.8		11.4	
	Mitochondria	52.5	16.1	15.2		10.2	
Glutamine	Cytosol	35.9	20.4	8.9	19.7	15.2	
	Mitochondria	71.4	11.7	6.0	6.3	4.6	
Glutamate	Cytosol	45.1	22.5		16.6	15.4	
	Mitochondria	83.9	8.6		4.2		
Aspartate	Cytosol	93.1					
	Mitochondria	95.3					
Alanine	Cytosol	21.9		75.8			
	Mitochondria	35.2		61.8			
2-OHGLu	Cytosol	29.9	22.5	7.7	23.6	15.9	
	Mitochondria	67.8	6.6	4.7		16.8	
Glc6P	Cytosol	95.4					
	Mitochondria	95.8					
Fru1,6BP	Cytosol	95.9					
	Mitochondria	11.6		4.6		79.8	