

<u>Analyte</u>	<u>Involvement</u>	<u>Elevated</u>	<u>Decreased</u>	<u>No Change</u>
<i>Glucose</i>	Glycolysis			
<i>Glucose 6-Phosphate</i>	Glycolysis			
<i>Fructose 6-Phosphate</i>	Glycolysis			
<i>Pyruvate</i>	Glycolysis			
<i>Lactate</i>	Glycolysis			
<i>6-phosphogluconate</i>	Pentose Phosphate Pathway			
<i>Sedoheptulose-7-phosphate</i>	Pentose Phosphate Pathway			
<i>Glucose 1-Phosphate</i>	Glycogenolysis			
<i>Maltotetraose</i>	Glycogenolysis			
<i>Maltotriose</i>	Glycogenolysis			
<i>Maltose</i>	Glycogenolysis			
<i>Palmitoylcarnitine</i>	Beta-Oxidation			
<i>Stearoylcarnitine</i>	Beta-Oxidation			
<i>Linoleoylcarnitine</i>	Beta-Oxidation			
<i>Oleoylcarnitine</i>	Beta-Oxidation			
<i>3-Hydroxybutyrate</i>	Ketogenesis			
<i>Omega 6-Fatty Acids</i>	Prostaglandin Biosynthesis, Inflammation (Pro-inflammatory)			
<i>Omega 3-Fatty Acids</i>	Inflammation (Anti-inflammatory)			
<i>Prostaglandin E2</i>	Inflammation			
<i>Prostaglandin D2</i>	Inflammation			
<i>Prostaglandin J2</i>	Inflammation			
<i>Leukotriene B5</i>	Inflammation			
<i>Leukotriene B4</i>	Inflammation			
<i>6 Keto Prostaglandin F1 alpha</i>	Inflammation			
<i>12-HETE</i>	Inflammation			
<i>5-HETE</i>	Inflammation			
<i>12-HEPE</i>	Inflammation			
<i>Prostaglandin F2 alpha</i>	Inflammation			
<i>Ethanolamine</i>	Phospholipid Degradation			
<i>Glycerophosphoethanolamine</i>	Membrane Remodeling			
<i>Methylhistidines</i>	SMC Damage			

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<i>1- and 2- Stearoylglycerophosphoglycerol</i>	Mitochondrial Damage			
<i>N-formylmethionine</i>	Mitochondrial Damage			
<i>Hyaluronic Acid Metabolites</i>	ECM Degradation			
<i>Trans-4 hydroxyproline</i>	Collagen Breakdown			
<i>Glucosamine 6-phosphate</i>	ECM Remodeling			
<i>N-acetylglucosamine 6-phosphate</i>	ECM Remodeling			
<i>N-acetylglucosamine</i>	ECM Remodeling			
<i>Sialic acid</i>	ECM Remodeling			
<i>Erythronate</i>	ECM Remodeling			
<i>Urea</i>	Urea Cycle			
<i>Ornithine</i>	Urea Cycle			
<i>Aspartate</i>	Arginine Synthesis			
<i>Fumarate</i>	Arginine Synthesis			
<i>Spermidine</i>	Cell Proliferation			
<i>4-Hydroxyproline</i>	Fibrosis			
<i>Proline-hydroxyproline</i>	Fibrosis			
<i>Reduced glutathione</i>	Redox Homeostasis			
<i>Oxidized glutathione</i>	Redox Homeostasis			
<i>Cystine</i>	Cysteine Oxidation			
<i>Methionine sulfoxide</i>	Methionine Oxidation			
<i>N-acetylmethionine sulfoxide</i>	Methionine Oxidation			
<i>S-adenosylmethionine</i>	GSH demand			
<i>S-adenosylhomocysteine</i>	GSH demand			
<i>2-hydroxybutyrate</i>	GSH demand			
<i>Ophthalmate</i>	GSH demand			
<i>Norphthalmate</i>	GSH demand			
<i>5-oxoproline</i>	GSH recycling			
<i>Gamma-glutamyl amino acids</i>	Gamma-glutamyl Cycle			
<i>Carnosine</i>	Inflammation			