

 Downregulated

 Upregulated

	V-P+/V-P-	V+P+/V+P-	V+P-/V-P-	V+P+/V-P+		
23	27	44			Ribosome	Translation
23	30				Spliceosome	
11	14	17			Aminoacyl-tRNA biosynthesis	
		19	28		Proteasome	Protein and amino acid metabolism
		14			Lysine degradation	
		10			Tryptophan metabolism	
17			22		Valine, leucine and isoleucine degradation	
9			14		beta-Alanine metabolism	
11					Arginine and proline metabolism	Lipid metabolism
6					Fatty acid elongation in mitochondria	
14			21		Fatty acid metabolism	
14					Glycolysis / Gluconeogenesis	Energy metabolism
12					Pyruvate metabolism	
13					Krebs cycle	
		42	59		Oxidative phosphorylation	