

Supplementary Information

Along the gut-bone marrow signaling pathway: Use of longan polysaccharides to regenerate blood cell after chemotherapy-induced myelosuppression

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Table S1 Metacyc pathway annotation

Name	Microbial metabolic pathway
PWY-7208	superpathway of pyrimidine nucleobases salvage
NONOXIPENT-PWY	pentose phosphate pathway (non-oxidative branch)
PWY-7219	adenosine ribonucleotides de novo biosynthesis
PWY-7111	pyruvate fermentation to isobutanol (engineered)
PWY-5101	L-isoleucine biosynthesis II
PWY0-1319	CDP-diacylglycerol biosynthesis II
PWY-5667	CDP-diacylglycerol biosynthesis I
PWY-7229	superpathway of adenosine nucleotides de novo biosynthesis I
PWY-3781	aerobic respiration I (cytochrome c)
PWY-6122	5-aminoimidazole ribonucleotide biosynthesis II
PWY-6277	superpathway of 5-aminoimidazole ribonucleotide biosynthesis
PWY-6121	5-aminoimidazole ribonucleotide biosynthesis I
ANAGLYCOLYSIS-PWY	glycolysis III (from glucose)
PWY-5686	UMP biosynthesis
ILEUSYN-PWY	L-isoleucine biosynthesis I (from threonine)
VALSYN-PWY	L-valine biosynthesis
PWY-7221	guanosine ribonucleotides de novo biosynthesis
GLYCOLYSIS	glycolysis I (from glucose 6-phosphate)
PWY-5484	glycolysis II (from fructose 6-phosphate)
PWY-6387	UDP-N-acetylmuramoyl-pentapeptide biosynthesis I (meso-diaminopimelate containing)
PWY-2942	L-lysine biosynthesis III
PHOSLIPSYN-PWY	superpathway of phospholipid biosynthesis I (bacteria)
CALVIN-PWY	Calvin-Benson-Bassham cycle
PWY-6386	UDP-N-acetylmuramoyl-pentapeptide biosynthesis II (lysine-containing)
PWY-6126	superpathway of adenosine nucleotides de novo biosynthesis II
PEPTIDOGLYCANSYN-PWY	peptidoglycan biosynthesis I (meso-diaminopimelate containing)
PWY	peptidoglycan biosynthesis III (mycobacteria)
PWY-6385	gondoate biosynthesis (anaerobic)
PWY-7663	pyruvate fermentation to acetate and lactate II
PWY-5100	superpathway of branched amino acid biosynthesis
BRANCHED-CHAIN-AA-SYN-PWY	homolactic fermentation
ANAEROFRUCAT-PWY	phosphatidylglycerol biosynthesis I (plastidic)
PWY4FS-7	phosphatidylglycerol biosynthesis II (non-plastidic)
PWY4FS-8	cis-vaccenate biosynthesis
PWY-5973	gluconeogenesis I
GLUCONEO-PWY	inosine-5'-phosphate biosynthesis I
PWY-6123	L-lysine biosynthesis VI
PWY-5097	guanosine deoxyribonucleotides de novo biosynthesis II
PWY-7222	adenosine deoxyribonucleotides de novo biosynthesis II
PWY-7220	

PWY-3001	superpathway of L-isoleucine biosynthesis I
PWY-841	superpathway of purine nucleotides de novo biosynthesis I
TRNA-CHARGING-PWY	tRNA charging
PWY-5103	L-isoleucine biosynthesis III
COA-PWY	coenzyme A biosynthesis I
PWY0-162	superpathway of pyrimidine ribonucleotides de novo biosynthesis
THRESYN-PWY	superpathway of L-threonine biosynthesis
DENOVOPURINE2-PWY	superpathway of purine nucleotides de novo biosynthesis II
PWY-5104	L-isoleucine biosynthesis IV
PWY-6609	adenine and adenosine salvage III
PWY-7228	superpathway of guanosine nucleotides de novo biosynthesis I
