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Rerouting 'coenzyme A' biosynthesis

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Rerouting 'Coenzyme A' Biosynthesis

Balaji Srinivasan

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ABBREVIATIONS

ACP	Acid phosphatase
ADP	Adenosine diphosphate
ATP	Adenosine triphosphate
CaMKII	Calcium/calmodulin-dependent protein kinase II
CoA	Coenzyme A
COASY	CoA synthase
CoPAN	CoA synthase associated neurodegeneration
<i>C.elegans</i>	<i>Caenorhabditis elegans</i>
CNS	Central nervous system
DNA	Deoxyribonucleic acid
DPCK	Dephospho-CoA kinase
EDTA	Ethylenediaminetetraacetic acid
ENPP	Ectonucleotide pyrophosphatase
<i>E.coli</i>	<i>Escherichia coli</i>
Fbl	Fumble
GAPDH	Glyceraldehyde 3-phosphate dehydrogenase
HAT	Histone acetyltransferase
HDAC	Histone deacetylases
HoPan	Hopantenate
HPLC	High performance liquid chromatography
NaF	Sodium fluoride
NBIA	Neurodegeneration with brain iron accumulation
NUDT	Nudix hydrolase
PAMPA	Parallel artificial membrane permeability assay
PANK	Pantothenate kinase
PKAN	Pantothenate kinase-associated neurodegeneration
PPanSH	Phosphopantetheine
PPAR α	Peroxisome proliferator-activated receptor alpha
PPAT	Phosphopantetheine adenylyltransferase
PPCDC	Phosphopantothenoylcysteine decarboxylase
PPCS	Phosphopantothenoylcysteine synthetase
PTM	Post translational modification
ROS	Reactive oxygen species
SMVT	Sodium-dependent multivitamin transporter
TBTP	Thiobutyltriphenylphosphonium
TCA	Tricarboxylic acid
TSA	Trichostatin A
Vit-B5	Vitamin B5 (Pantothenate)
VNN	Vanin

