

Additional file 1 – Sequence sources used to construct the PTS2 HMM profile

Gene	Species	Name	Accession	PTS2 signal
<i>Phyh</i>	Mouse	Phytanoyl-CoA hydroxylase [1]	AF023463	RLQVLLGHL
<i>Phyp</i>	Rat		AF121345	
<i>PHYH</i>	Human		BC029512	RLQIVLGHL
<i>Pex11c</i>	Mouse	Peroxisomal biogenesis factor 11c [2]	AK007582	RLLVVSAQF
<i>PEX11G</i>	Human	Peroxisomal biogenesis factor 11 gamma [3]	BC008780	RLLVVSTQL
<i>Mvk</i>	Mouse	Mevalonate kinase [4-6]	BC005606	KVILHGEHA
<i>Mvk</i>	Rat		M29472	
<i>MVK</i>	Human		M88468	
<i>Acaa1b</i>	Mouse	Acetyl-Coenzyme A acyltransferase 1B (thiolase B) [7,8]	AY273812	RLQVVLGHL
<i>Acaa1b</i>	Rat		J02749	
<i>Acaal1a</i>	Mouse	Acetyl-Coenzyme A acyltransferase 1A (thiolase A) [7,8]	AK143187	
<i>ACAA1</i>	Human		BC000635	
<i>Acaal</i>	Rat		M32801	
<i>POT1</i>	Yeast	3-ketoacyl-CoA thiolase [9]	Z38059	
<i>Agps</i>	Mouse	Alkylglycerone phosphate synthase [10]	BC063086	RLRVLSGHL
<i>Agps</i>	Rat		AF121052	
<i>Agps</i>	Guinea pig		Y08826	
<i>AGPS</i>	Human		AY544121	

Sequences in column “PTS2 signal” were used to build the HMM profile. References 1-4 and 6-10 support the PTS2-dependent import of proteins into the peroxisomes. Here, *Mvk* was accepted as a PTS2-targeted protein, although reports differ between cytoplasmic [5] and peroxisomal localisation [4, 6] depending on the cell line and methods used.

References

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