

Additional file 1: Average plasma amino acid levels +/- standard deviation according to age by each disease. All available tests were included (at least one per year) except those obtained during acute decompensations. PA: propionic aciduria, MMA: methylmalonic aciduria, IVA, isovaleric aciduria.

	Plasma glutamine ($\mu\text{mol/L}$)			Plasma glycine ($\mu\text{mol/L}$)			Plasma alanine ($\mu\text{mol/L}$)		
	PA	MMA	IVA	PA	MMA	IVA	PA	MMA	IVA
0-3 y	515 +/- 96	562 +/- 98	448 +/- 82	831 +/- 297	434 +/- 163	551 +/- 104	434 +/- 107	450 +/- 120	481 +/- 112
3-6 y	638 +/- 109	583 +/- 109	375 +/- 91	1143 +/- 354	643 +/- 324	489 +/- 100	471 +/- 116	506 +/- 148	377 +/- 63
6-11 y	621 +/- 93	604 +/- 110	425 +/- 129	1485 +/- 539	599 +/- 184	561 +/- 114	523 +/- 110	518 +/- 98	410 +/- 67
> 11y	760 +/- 166	639 +/- 108	463 +/- 77	1472 +/- 389	681 +/- 293	568 +/- 71	652 +/- 164	597 +/- 147	435 +/- 102