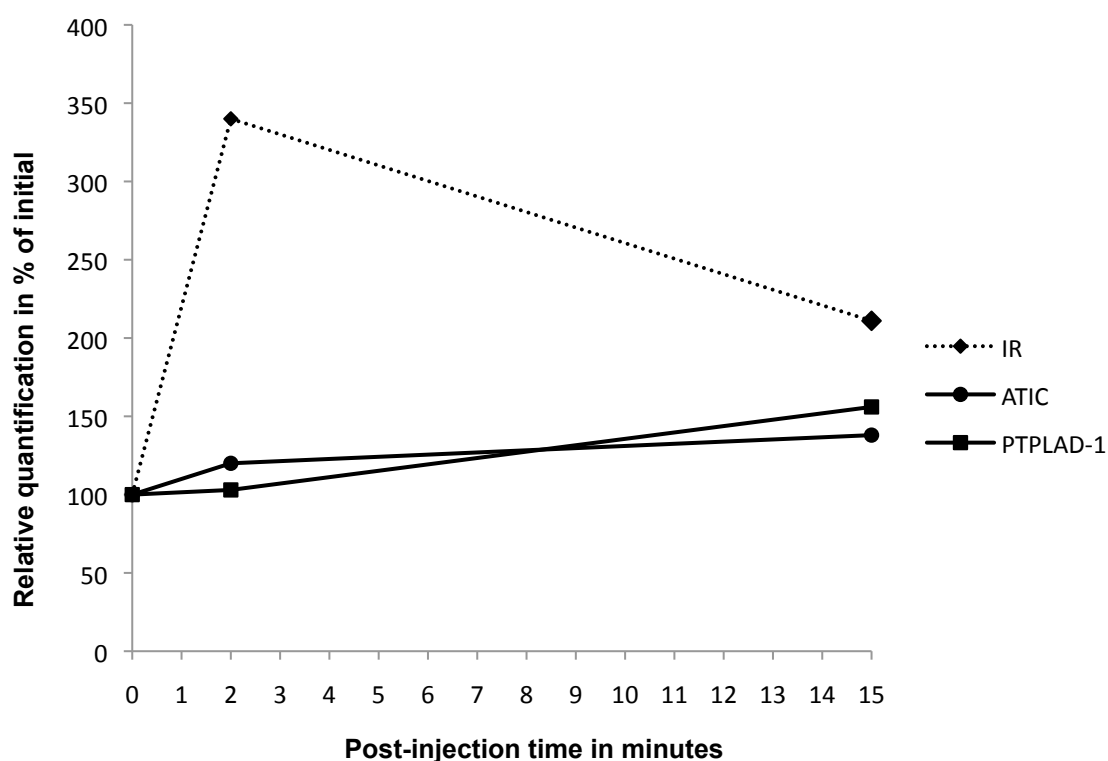


Post-Injection Time (min)	IR		ATIC		PTPLAD-1	
	Area Ratio (average)	% of initial	Area Ratio (average)	% of initial	Area Ratio (average)	% of initial
n=3						
0	0.37	100	0.304	100	0.713	100
2	1.26	340	0.365	120	0.737	103
15	0.78	211	0.418	138	1.110	156



**Fig 3 Kinetics of IR, ATIC and PTPLAD1 accumulation in G/E fractions.** Rats were injected with insulin (1.5  $\mu\text{g}/100\text{g}$  body weight). G/E fractions were prepared from two livers at each time. Relative proteins contents were determined by LC –MRM as described in methods (see online table 1 for peptides and MRM transitions used). Each point of the progress curve is the mean S.D. of three experiments. Note that the 2 minutes peak value post-insulin injection for the IR is similar (3.5 fold) to the original values obtained using radiolabelled insulin saturation methods (Khan, M. N. et al. *J Biol Chem* 261, 8462, 1986).