

title

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abstract

Abbreviations: SAM, self-assembled monolayer; OTS, octadecyltrichlorosilane

monolayer | structure | x-ray reflectivity | molecular electronics

Significance

RJSM and ACAC developed the concept of the study. RJSM conducted the analysis, data interpretation and drafted the manuscript. AGB contributed to the development of the statistical methods, data interpretation and drafting of the manuscript.

Reserved for Publication Footnotes



Fig. 1. LKB1 phosphorylates Thr-172 of AMPK α *in vitro* and activates its kinase activity.

Table 1. Repeat length of longer allele by age of onset class. This is what happens when the text continues.

Age of onset, years	Repeat length				
	<i>n</i>	Mean	SD	Range	Median
Juvenile, 2–20	40	60.15	9.32	43–86	60
Typical, 21–50	377	45.72	2.97	40–58	45
Late, >50	26	41.85	1.56	40–45	42*

*The no. of wells for all samples was 384. Genotypes were determined by mass spectrometric assay. The m_t value indicates the average number of wells positive for the over represented allele.

Table 2. Summary of the experimental results

Parameters			Averaged Results							Comparisons			
n	S_{MAX}^*	t_1	r_1	m_1	t_2	r_2	m_2	t_{lb}	t_1/t_2	r_1/r_2	m_1/m_2	t_1/t_{lb}	
10*	1	4	.0007	4	4	.0020	4	4	1.000	.333	1.000	1.000	
10 [†]	5	50	.0008	8	50	.0020	12	49	.999	.417	.698	1.020	
100 [‡]	20	2840975	.0423	95	2871117	.1083	521	—	.990	.390	.182	—	

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[†] $R_{FREE} = R$ factor for the $\sim 5\%$ of the randomly chosen unique reflections not used in the refinement.
[‡]Calculated for all observed data

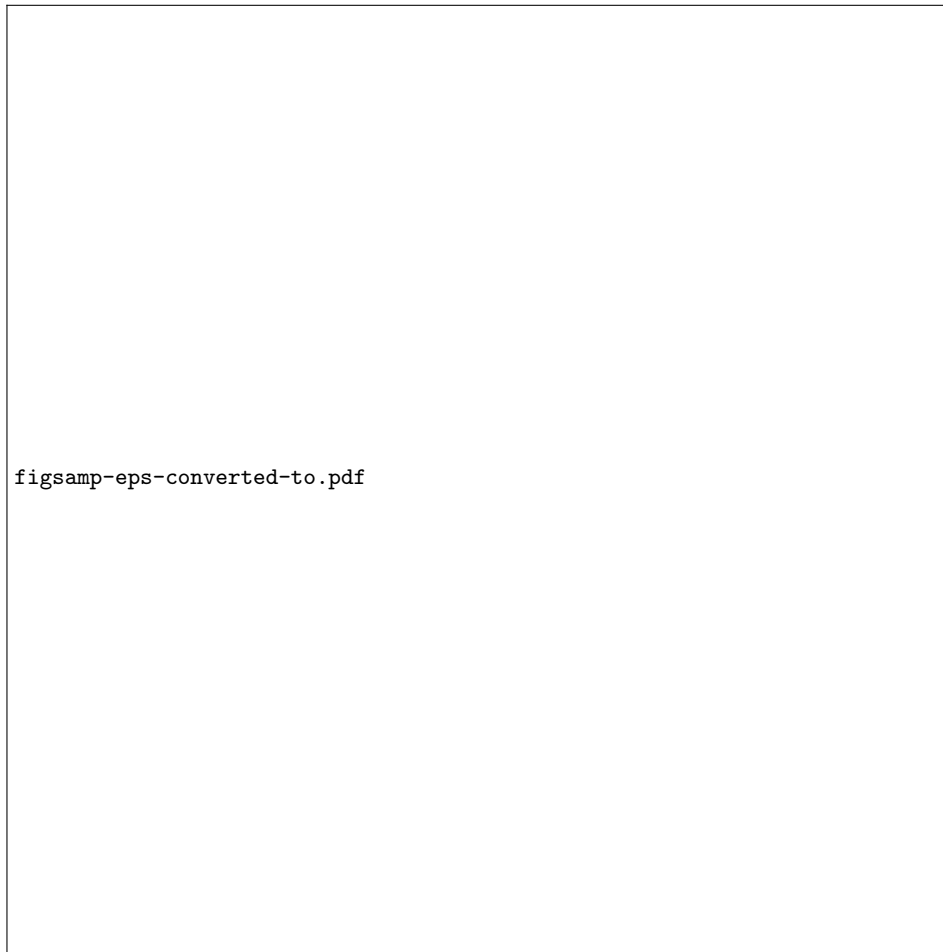


Fig. 2. LKB1 phosphorylates Thr-172 of AMPK α *in vitro* and activates its kinase activity.