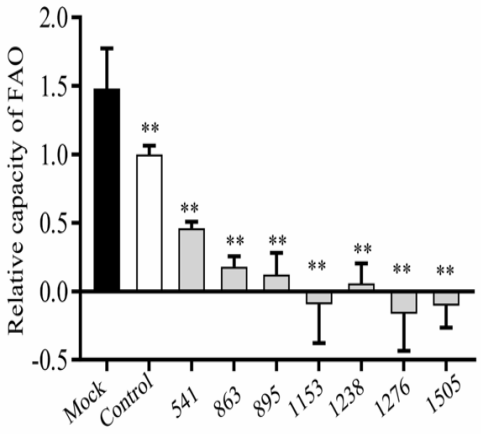
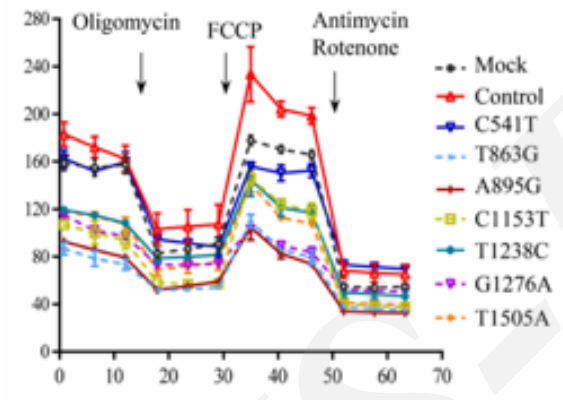
Cite this as: Ting CHEN, Fan TONG, Xiao-yu WU, Ling ZHU, Qiu-zi YI, Jing ZHENG, Ru-lai YANG, Zheng-yan ZHAO, Xiao-hui CANG, Qiang SHU, Ping-ping JIANG, 2020. Novel *ACADVL* variants resulting in mitochondrial defects in long-chain acyl-CoA dehydrogenase deficiency. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **21**(11):885-896. http://doi.org/10.1631/jzus.B2000339

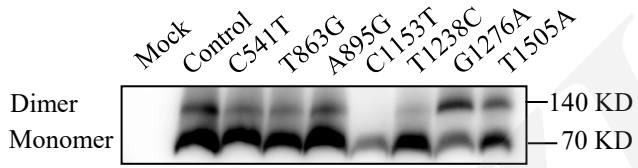
Novel *ACADVL* variants resulting in mitochondrial defects in long-chain acyl-CoA dehydrogenase deficiency

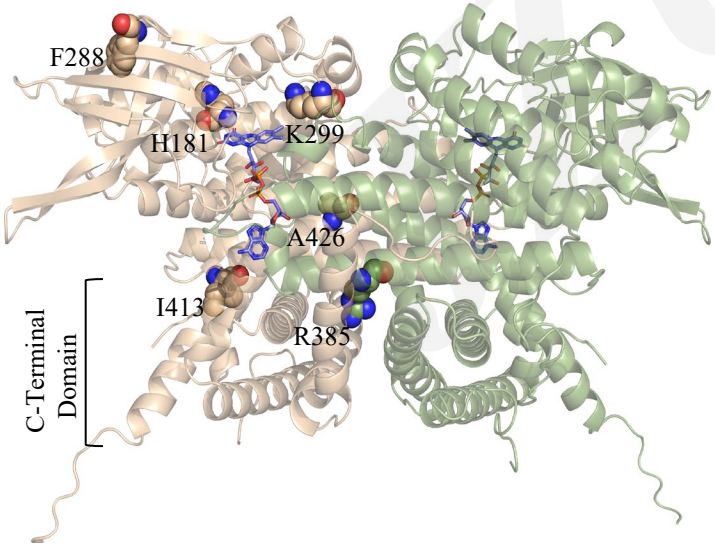
Key words: Mitochondrial dysfunction, Very-long-chain acyl-CoA dehydrogenase, β-Oxidation, Molecular dynamics simulation

Research Summary









This article identified and characterized the function and biochemical consequences of six novel missense mutations that lead to very-long chain acyl-CoA dehydrogenase (VLCAD) deficiency .