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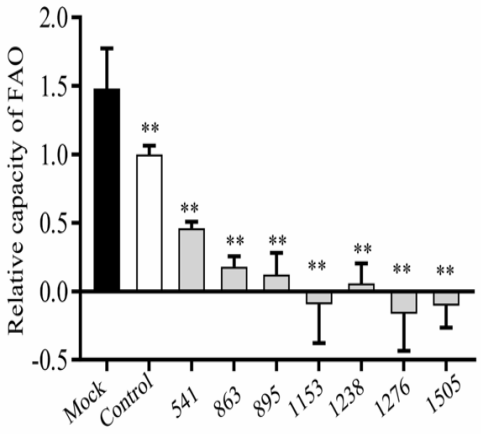
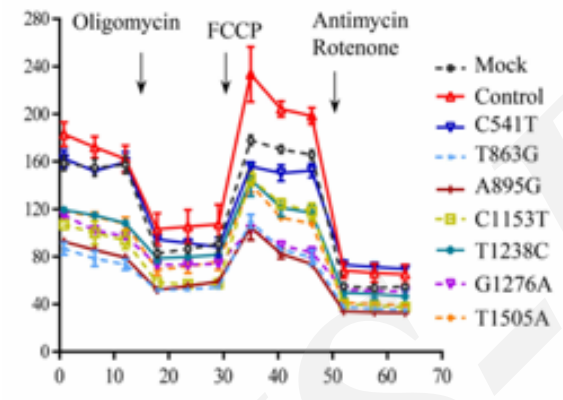
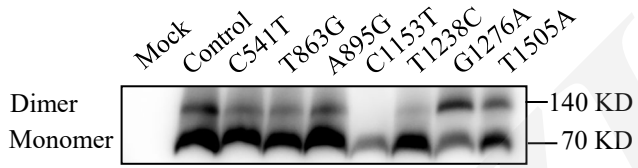
Novel *ACADVL* variants resulting in mitochondrial defects in long-chain acyl-CoA dehydrogenase deficiency

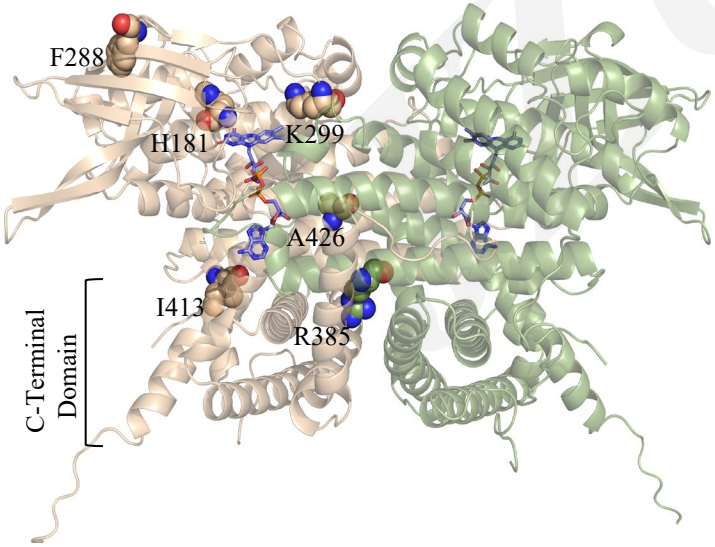
Key words: Mitochondrial dysfunction, Very-long-chain acyl-CoA dehydrogenase, β-Oxidation, Molecular dynamics simulation

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 .