

A

①

Pathogenicity

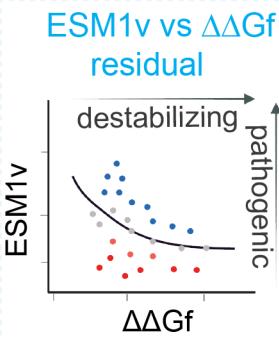


or

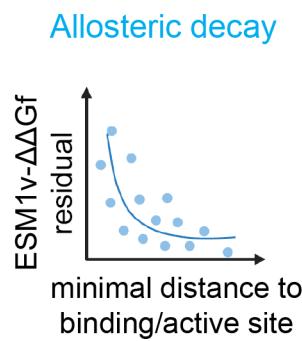


	Abundance	Activity	
Proteins	ThermoMPNN folding $\Delta\Delta G$ ($\Delta\Delta G_f$)	aPCA / VAMP-seq abundance (fitness)	aPCA $\Delta\Delta G_f$
	N/A	N/A	bPCA binding $\Delta\Delta G$ ($\Delta\Delta G_b$)
	19,803 full-length proteins	578 protein domains + 9 full-length proteins	2 protein domains

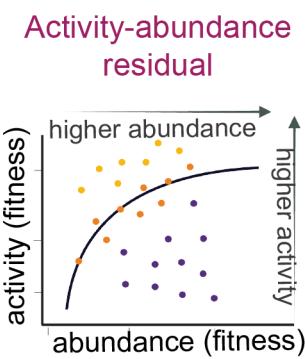
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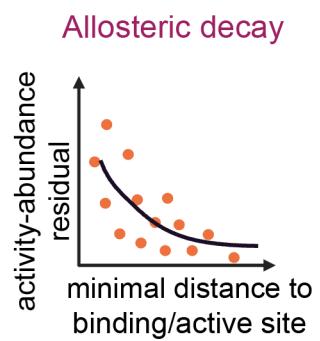
③



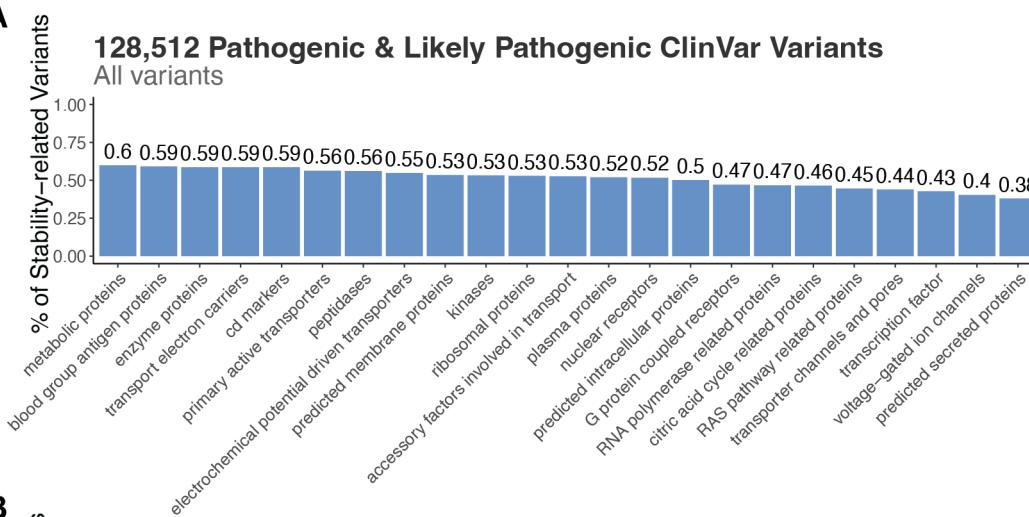
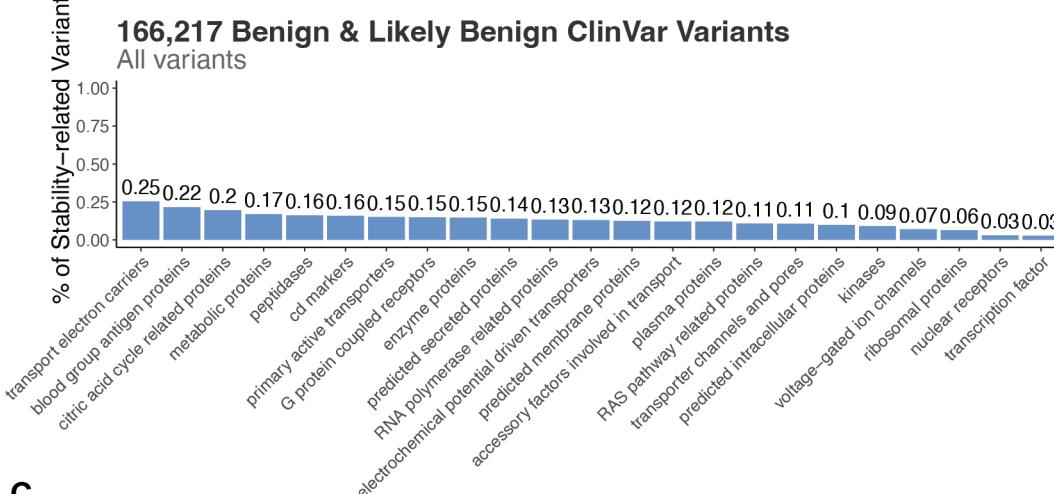
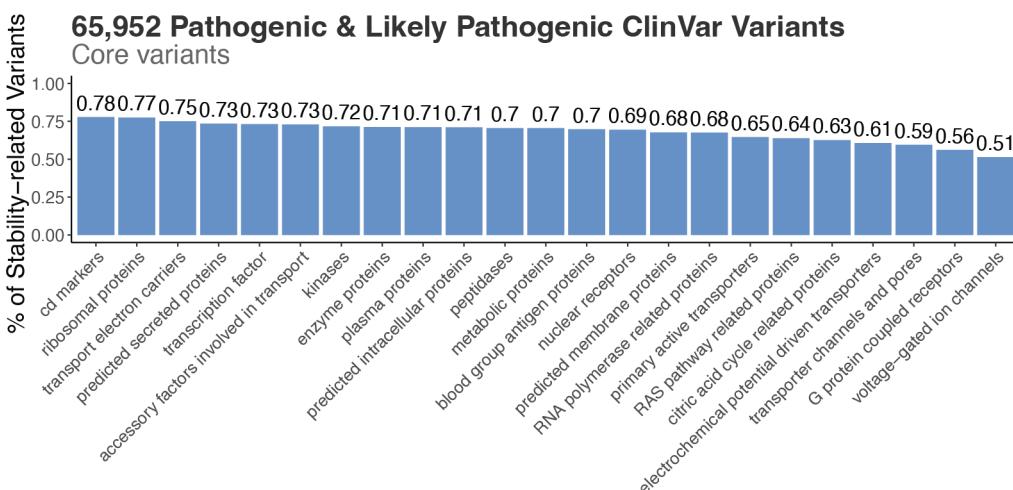
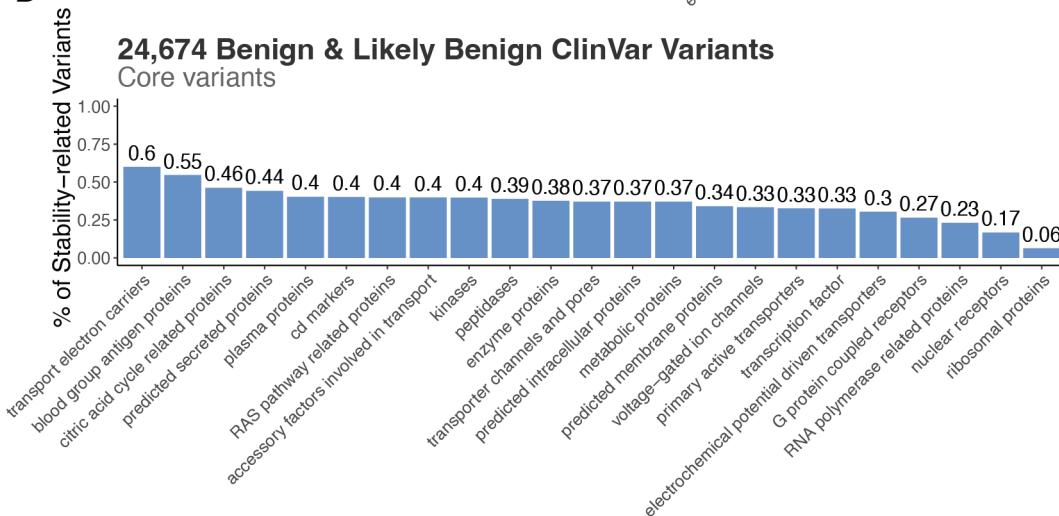
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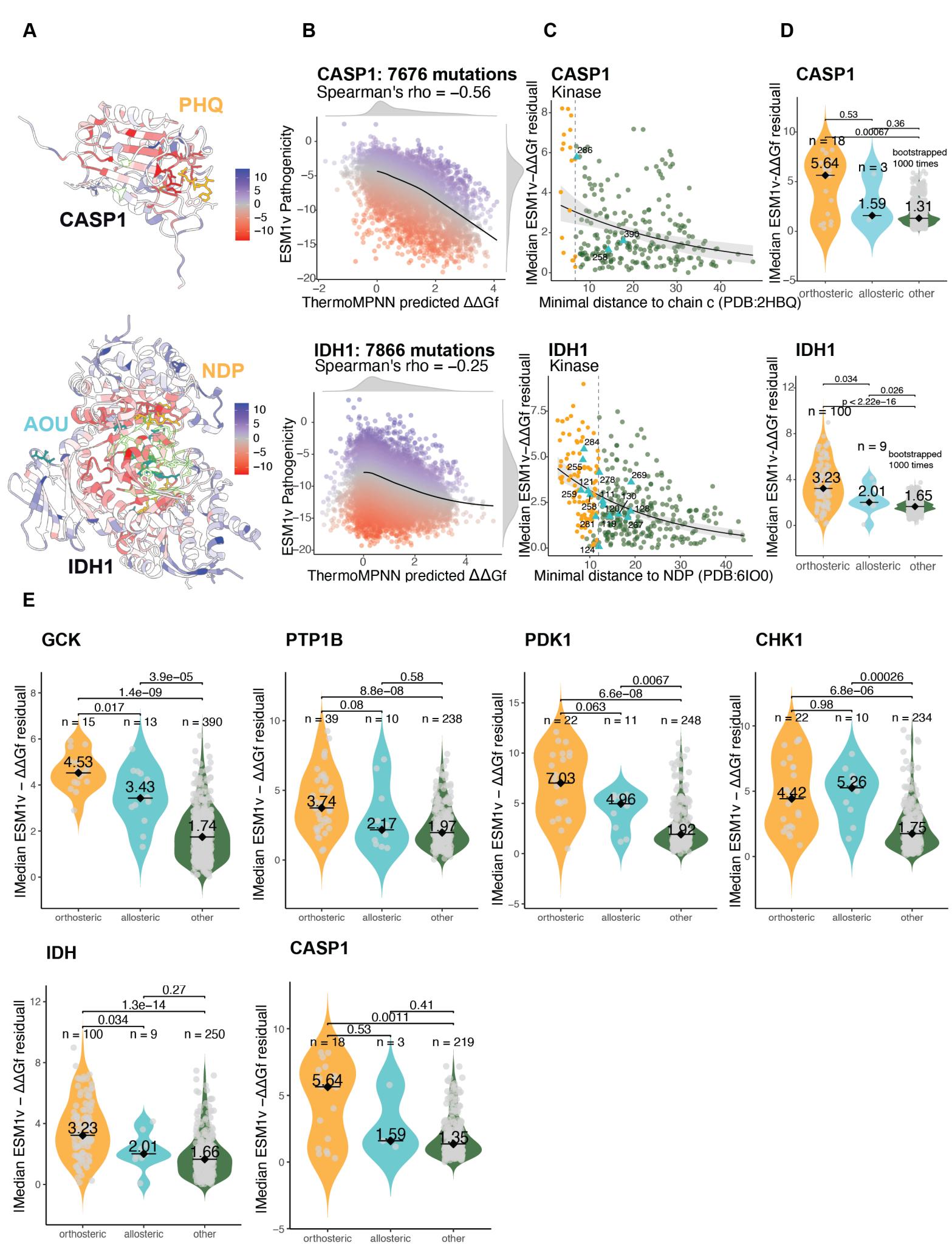


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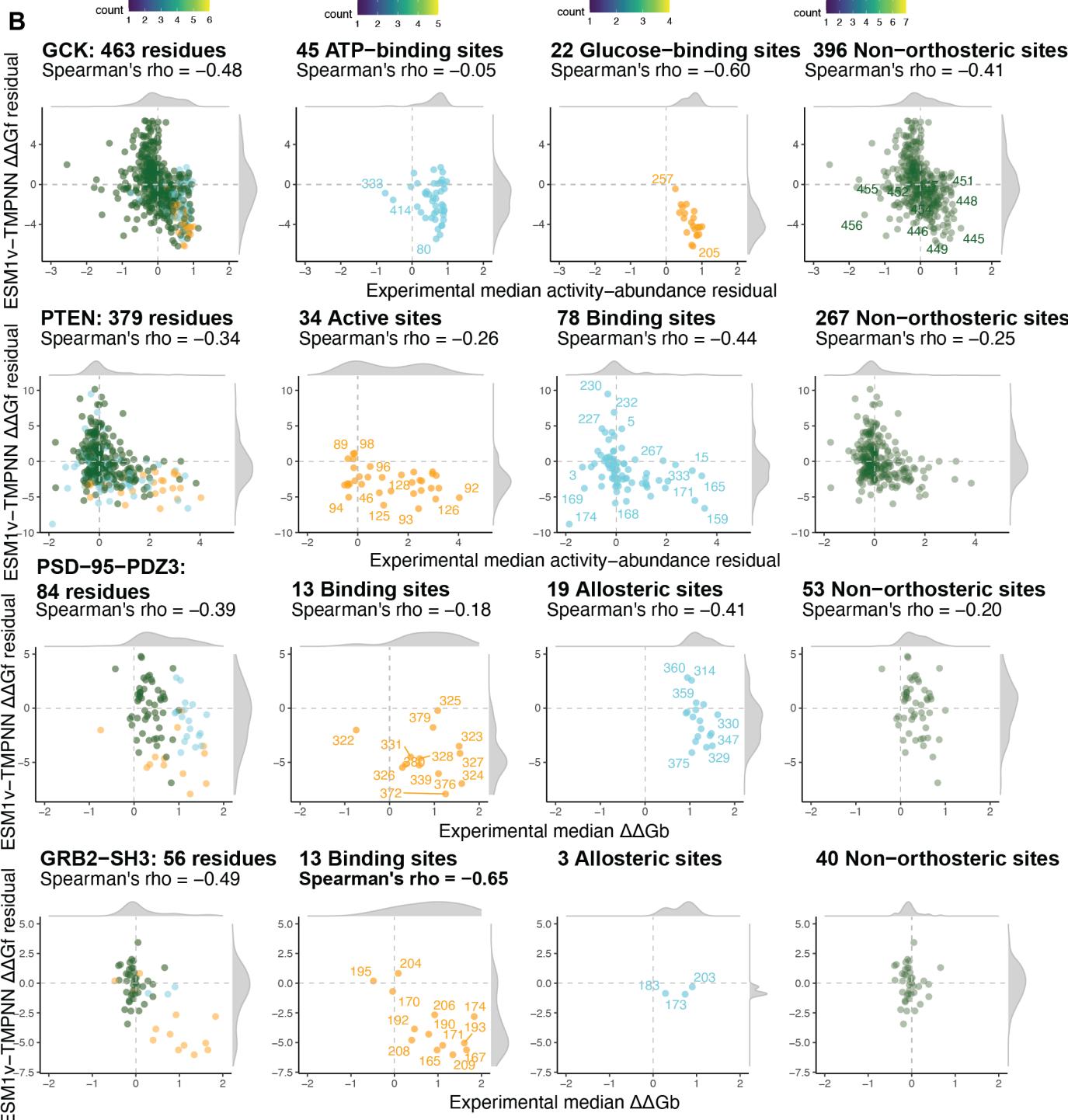
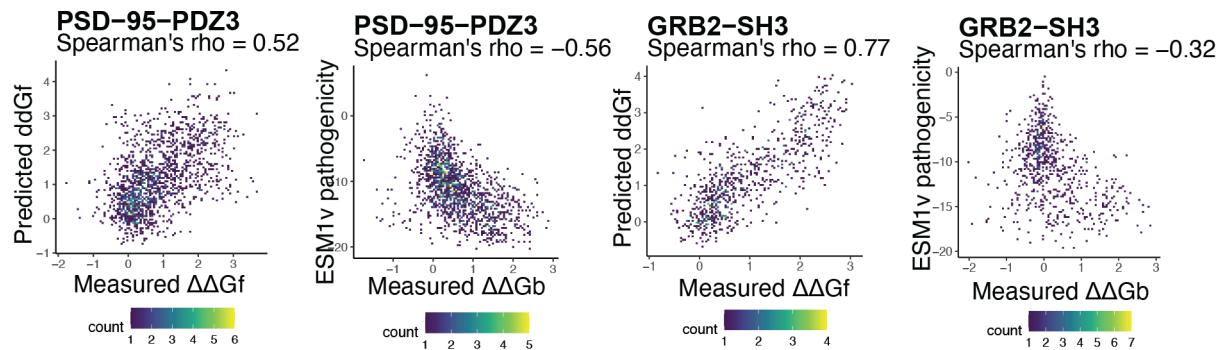
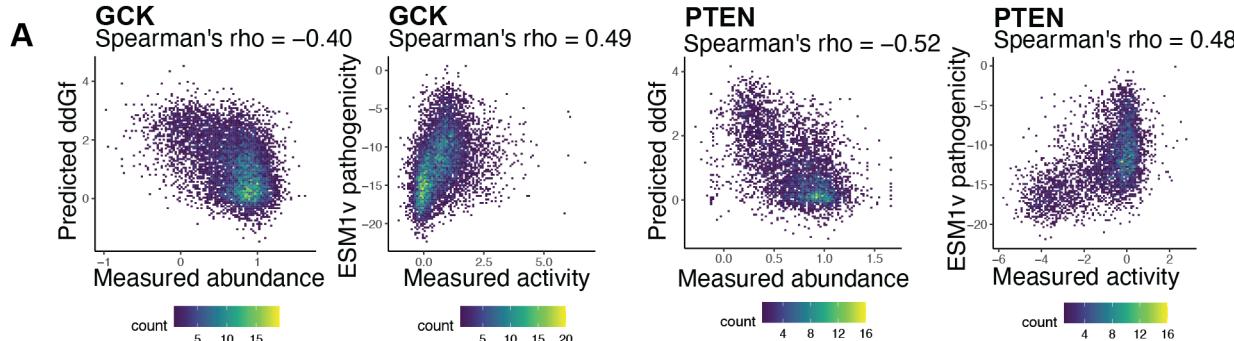


Supplemental fig 1

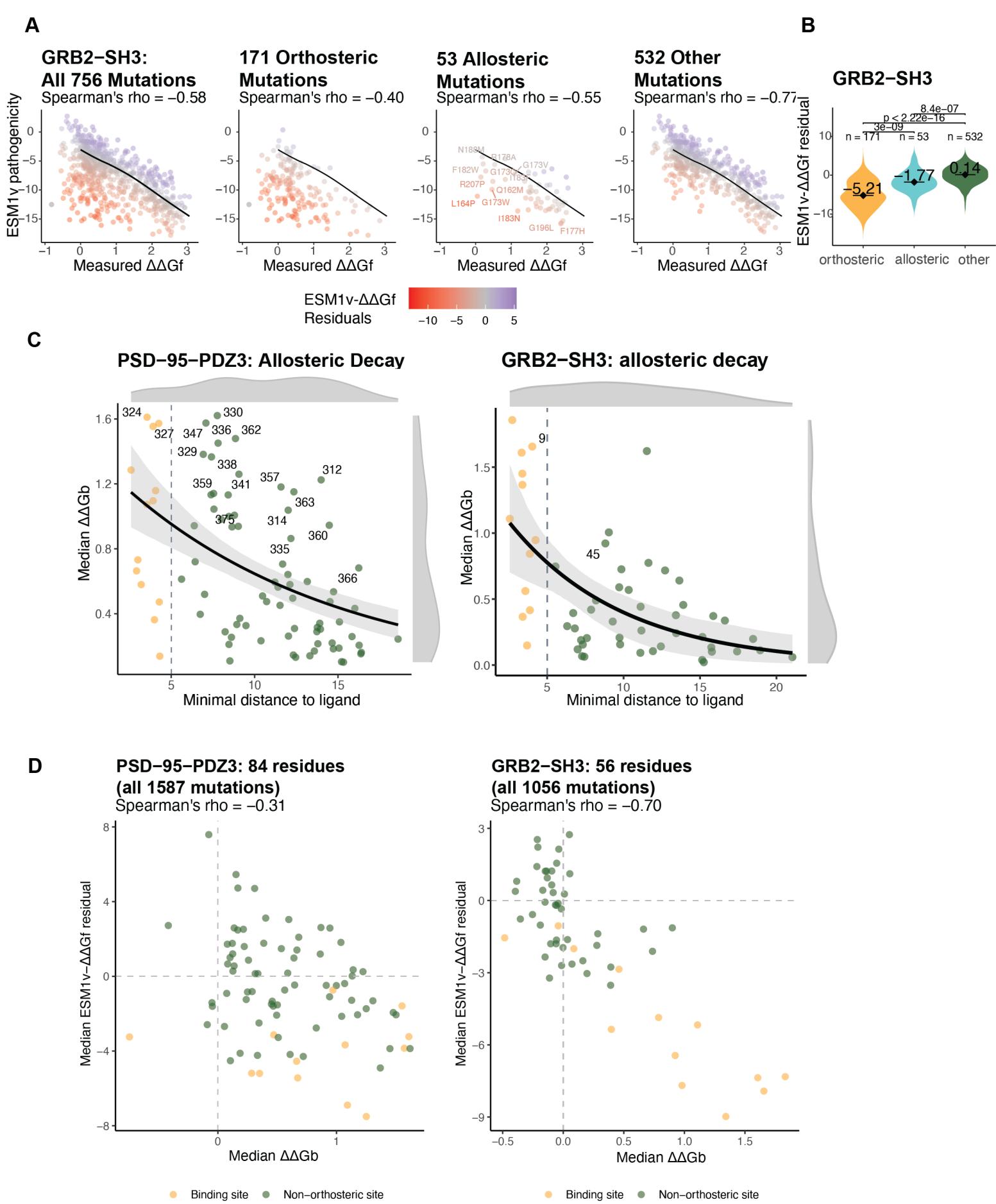
A**B****C****D****Supplemental fig 2**



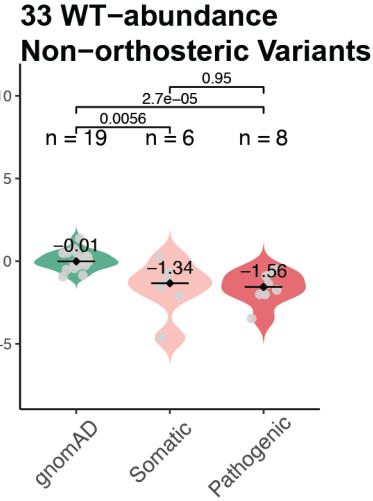
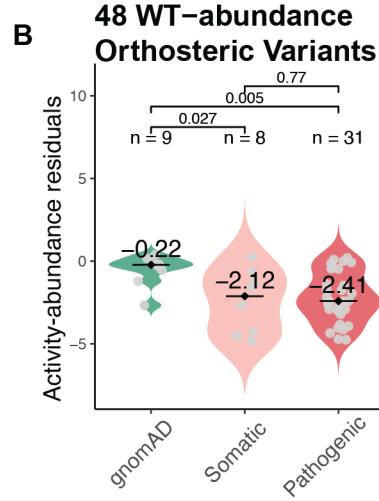
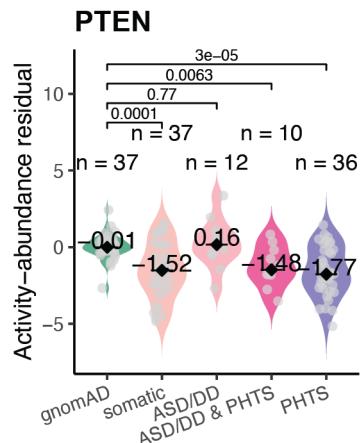
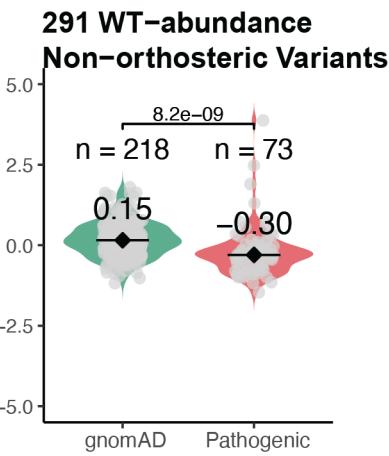
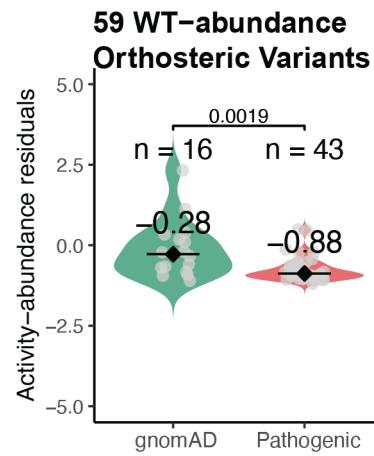
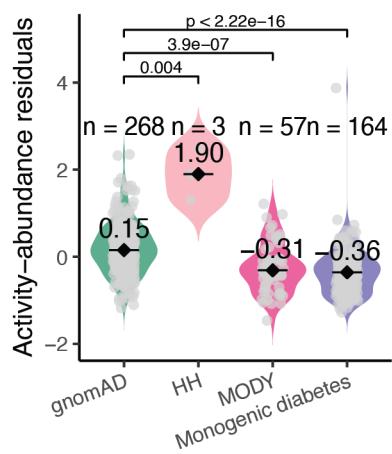
Supplemental fig 3



Supplemental fig 4



Supplemental fig 5

A**GCK****Supplemental fig 6**