

Supplementary information, Figure S5

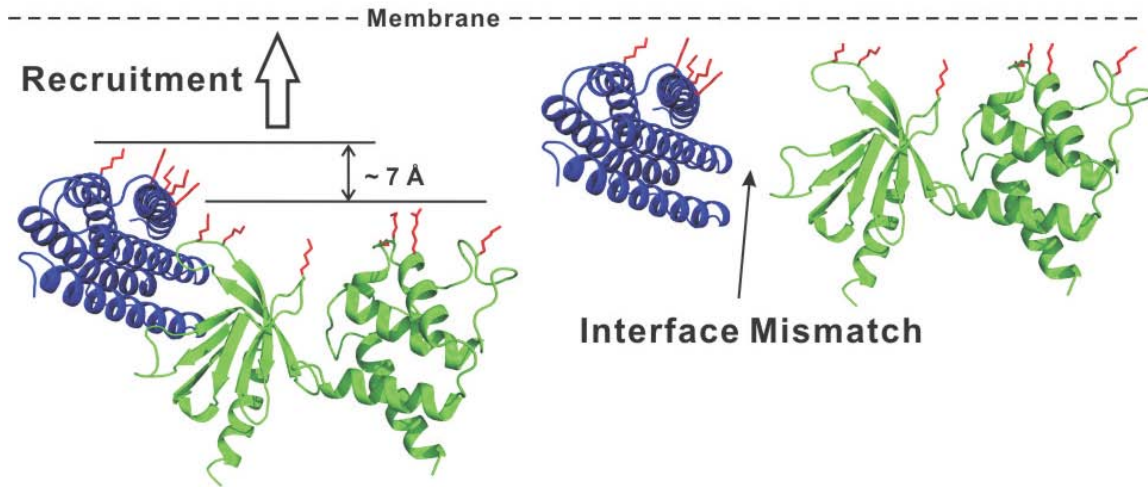


Figure S5 A model showing how talin-RS 5EtoK mutations promote the talin recruitment to membrane (left panel). Upon the talin-RS 5EtoK binding to membrane, Talin-F2F3 has to further move $\sim 7\text{\AA}$ upward based on our crystal structure to bind membrane, thereby causing the mismatch and disruption of the talin-F2F3/talin-RS interface (right panel) and subsequent relief of talin autoinhibition, which explains the data in Figure 4C.