

Supplementary Materials



Figure S1: Distribution of different center and their sample frequency participated in this study. University. TTUHSC: Texas Tech University Health Science Center, UM: University of Minnesota, CHEO: Children's Hospital of Eastern Ontario, BCH: Boston Children hospital, NCH: Nationwide Children's Hospital, BCM: Baylor College of Medicine, EU: Emory University, JDCH: Joe DiMaggio Children's Hospital, MUSC: Medical University of South Carolina. UNMC: University of Nebraska Medical Center, WSU: Wayne State University.

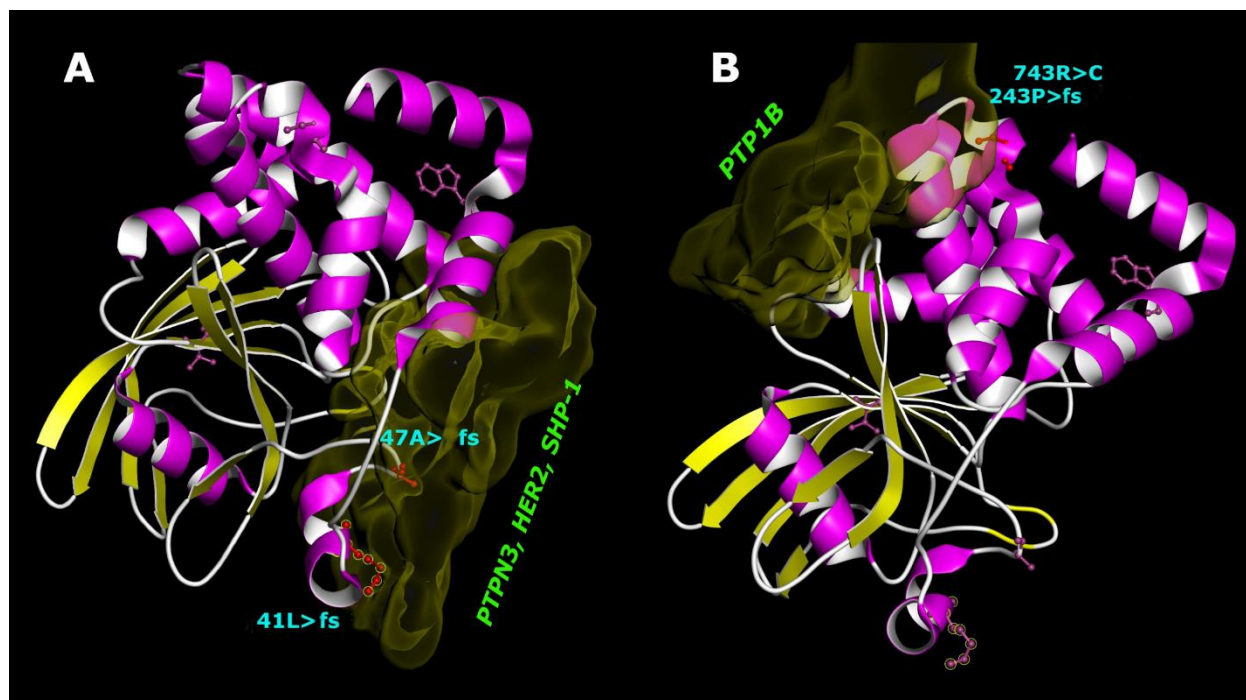


Figure S2: Representation of protein binding pocket on nephrin surface. (A) 47 and 41 codons located on the PTPN3, HER2 and SHP-1 binding sites. (B) Mutations at 743 codons overlap with PTP1B binding site.

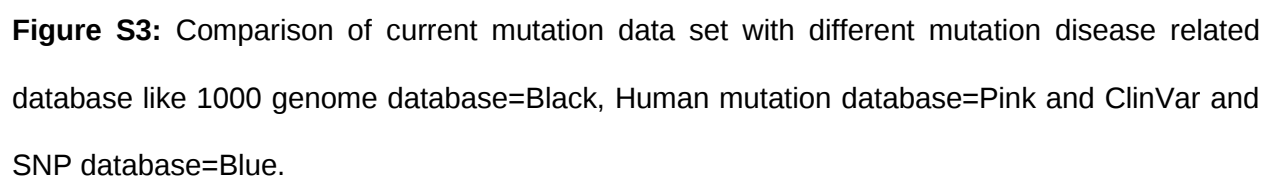


Figure S3: Comparison of current mutation data set with different mutation disease related database like 1000 genome database=Black, Human mutation database=Pink and ClinVar and SNP database=Blue.