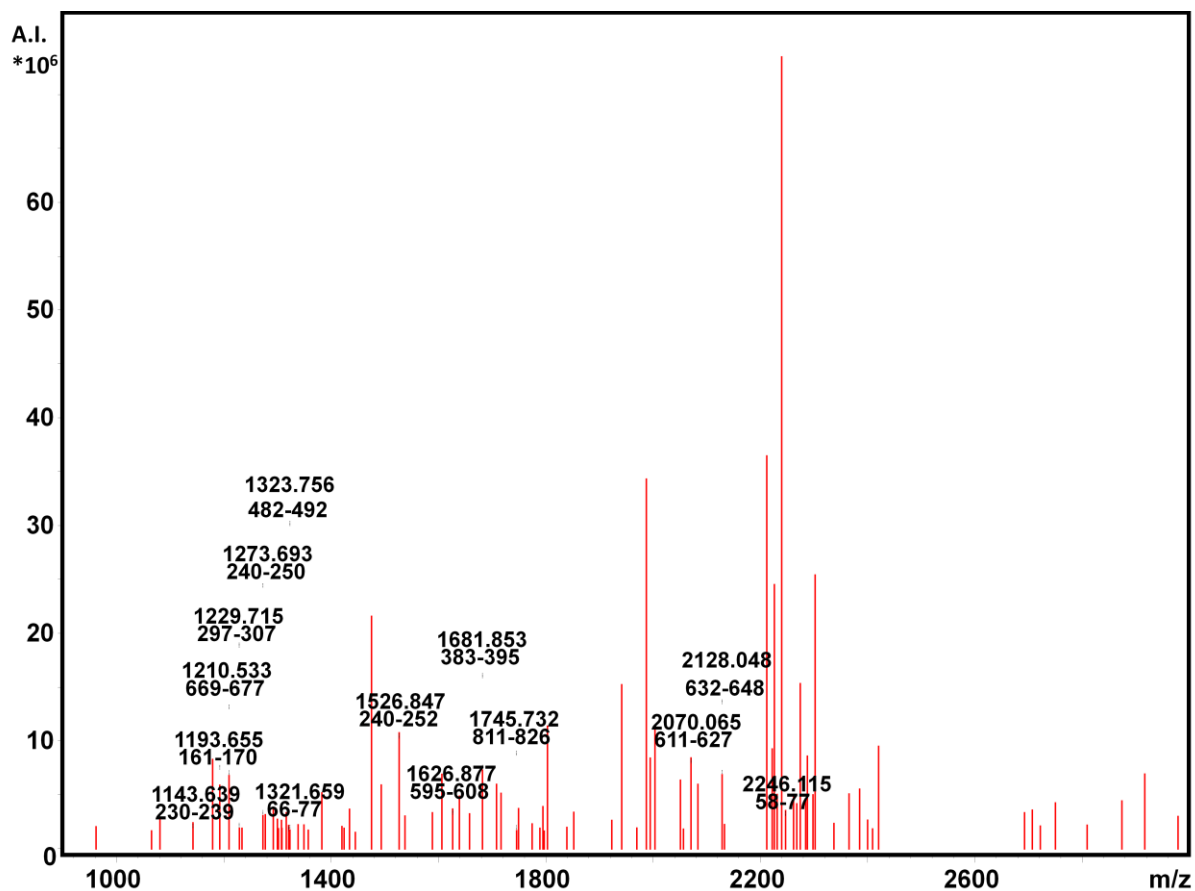
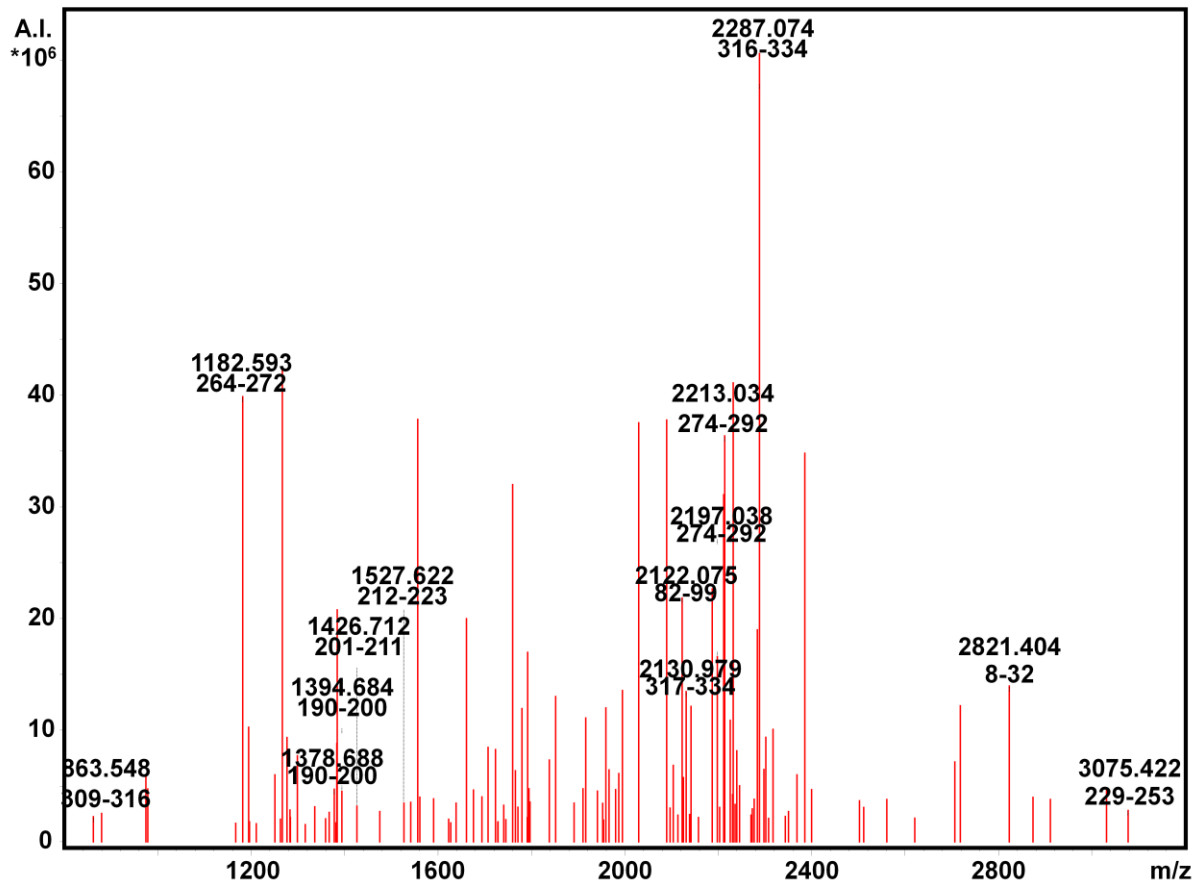


Supplemental figures and tables



Supplemental figure 1. MALDI FT-ICR MS spectrum of Proline-serine-threonine phosphatase-interacting protein 2 tryptic peptides. The position in the protein sequence and experimental mass are shown



Supplemental figure 2. MALDI FT-ICR MS spectrum of Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 tryptic peptides. The position in the protein sequence and experimental mass are shown.

Mutation	expression	Csk binding	PEST-PTPs binding	SHIP1 binding	Tyr-P
Y21F + W232A	expressed	no effect			
Y52F + W232A	expressed	no effect			
Y144F + W232A	expressed	no effect			
Y191F + W232A	expressed	no effect			
Y249F	expressed	no effect	reduced		
Y249F + W232A	expressed	no effect	abolished		
Y249,267F + W232A	expressed	no effect			
Y284F	expressed	no effect			
Y284,288F + W232A	expressed	no effect			
Y323,329,333F	expressed	no effect		abolished	abolished
W232A	expressed	reduced	abolished	slightly increased	
P278A + P279,281G	not expressed				
Deletion 278-281	not expressed				
Deletion 166-295	very low expression				
Deletion 296-334	expressed	no effect			abolished
All Y to F	not expressed				

Supplemental table 1. Effects of PSTPIP2 mutations on PSTPIP2 expression, on PSTPIP2 binding to PEST-PTPs, Csk and SHIP1, and on PSTPIP2 tyrosine phosphorylation. Empty fields = not tested.