peptide sequence surrounding TCRζ Tyr 111

amino acid substitution

low phosphorylation relative to wild-type high

log_{10} (normalized enrichment)

−1.5 −0.75 0 0.75 1.5

peptide sequence surrounding TCRζ Tyr 123

amino acid substitution

low phosphorylation relative to wild-type high

log_{10} (normalized enrichment)

−1.0 −0.5 0 0.5 1.0

peptide sequence surrounding LAT Tyr 127

amino acid substitution

low phosphorylation relative to wild-type high

log_{10} (normalized enrichment)

−1.5 −0.75 0 0.75 1.5

lysine substitutions at each position

log_{10} (enrichment relative to WT)

-2.0 -1.5 -1.0 -0.5 0 0.5 1.0 1.5

phosphorylation by ZAP-70 phosphorylation by Lck

= no data

lysine substitutions at each position