phosphorylation by ZAP-70
219
226
231
WT EAEEVEEEGAPDYENLQELN
E231A EAEEVEEEGAPDYENLQALN
E231K EAEEVEEEGAPDYENLQKLN
E220K EAEEVEKEGAPDYENLQELN
E219-221A EAEEVAAAGAPDYENLQELN
E219-221K EAEEVKKKGAPDYENLQELN
0.0
0.1
0.2
0.3
0.4
0.5
0.6
V0 / [enzyme] (s-1)