

S4 Table: Cloning scheme for 3kptC^T-MBP variants (GSGESG linker and MBP sequence from pMAL-c2 vector)

3kptC^T(wildtype)	3kptC^T(NQ)	3kptC^T(GWI)
PCR: 19 + 15 3kptC ^T -GSGSGSG-MBP template	as PCR: 20 + 15 3kptC ^T (wildtype) as template	as PCR: 21 + 15 3kptC ^T (wildtype) as template

Number of primers used correlate with the primer list in S1 Table.