

Supplementary information

Protein Engineering of the N-terminus of NEMO: Structure Stabilization and Rescue of IKK β Binding

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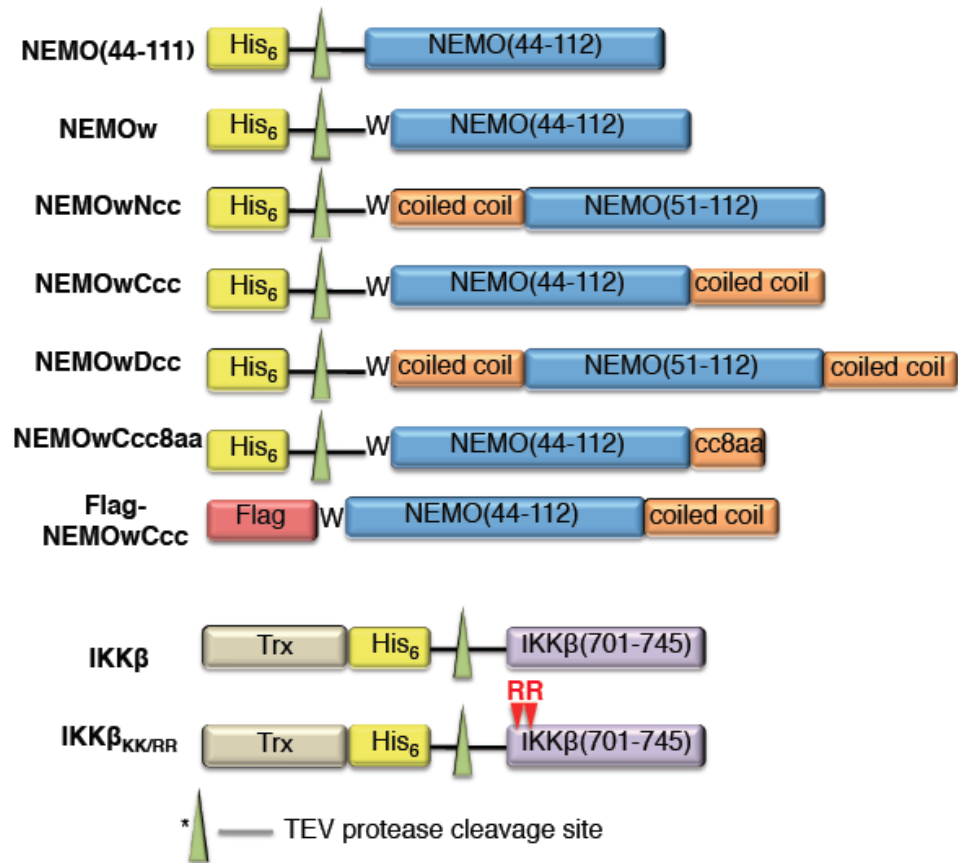
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Supplementary Table1. Primers for the constructs cloning

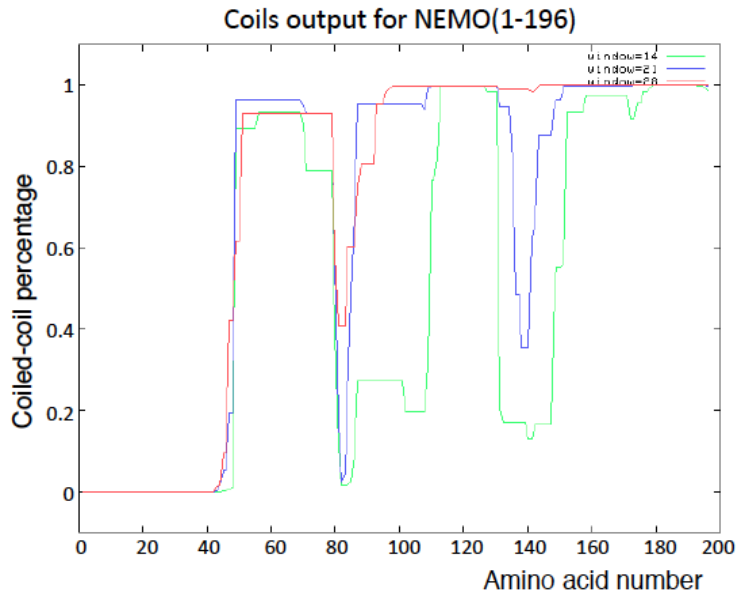
Construct	Primer
GST-NEMO (1-196)	5'TGGGATCCATGAATAGGCACCTCTGGAGAGCCAAC 3'CGCTCGAGGCTGTGCTGCTGCTGCAGC
IKK β	5'GATCCGCCATGGCTATGCCAGCCAA 3'TATTCCGCGGCCGCTCATTCCGTCTG

NEMO(44-111)	5'TGGGATCCGAACAGGGCGCTCCTGA 3'CGCTCGAGCTTCTCCAGGCCGAGTCT
NEMOw	5'TACTTTCAGGGATCCTGGGAACAGGGCGCTCCT 3'AGGAGCGCCCTGTTCCAGGATCCCTGAAAGTA
NEMOwNcc	5'GTACTTTCAGGGATCCTGGTCTGTTAAGGAATTGGAAGATAAGAACGA AGA 3'CTCCAGGCAGCGCTGGAGCAACTTCTTCAATCTAGCAAC
NEMOwCcc	5'GGCCTGGAGAAGCTCGAGTTGGAAGATAAGAACGAAGAATTGTTGTC TGAA3'GGCTTTGTTAGCAGCCGGATCTCATCTTTCACCAACCAACTTCT TCAATCTAGC
NEMOwDcc	5'GGCCTGGAGAAGCTCGAGTTGGAAGATAAGAACGAAGAATTGTTGTC TGAA 3'GGCTTTGTTAGCAGCCGGATCTCATCTTTCACCAACCAACTTCTTCAA TCTAGC
NEMOwCcc8aa	5'TTGGAAGATAAGAACGAAGAATTGTGATCTGAAATTGCTCATTTGAA GAAC 3'GCCCTTCAAATGAGCAATTCAGATCACAATTCTTCGTTCTTATCTTC CAA
FLAG-NEMOwCcc	5'AGCTGGCATGCGTTTAAACTTAAGCTTGGTACCACCATGGACTACAAA GACGATGACGACAAGTGGGAACAGGGCGCTCCTGAGACC 3'GCGGGTTTAAACGGGCCCTCTAGACTCGAGTTATCTTTCACCAACCAA CTTCTTCAATCTAGCAACTTCG

Black—cloning primers, blue—mutagenesis primers



Supplemental Figure 1. Schematic representation of constructs cloned and used in this study



Supplemental Figure 2. Coiled-coil secondary structure prediction of NEMO(1-196) as calculated by the program COILS.¹

Supplementary reference

(1) Lupas, A., Van Dyke, M., and Stock, J. (1991) Predicting coiled coils from protein sequences. *Science* 252, 1162–1164.