

PrP charge structure encodes interdomain interactions

**Javier Martínez¹, Rosa Sánchez¹, Milagros Castellanos², Natallia Makarava³, Adriano Aguzzi⁴,
Ilya V. Baskakov³ and María Gasset^{1*}**

¹Instituto Química-Física “Rocasolano”, Consejo Superior de Investigaciones Científicas, Madrid 28006, Spain.

²Centro Nacional de Biotecnología, Consejo Superior de Investigaciones Científicas, Madrid, Spain; IMDEA-Nanociencia, Madrid 28049, Spain

³Center for Biomedical Engineering and Technology, University of Maryland School of Medicine, Baltimore, MD 21201, USA.

⁴Institute of Neuropathology, University Hospital of Zürich, Zürich 8091, Switzerland.

Supplementary Information

Table S1. List of primers used in this study

Mutation	Template	Primer (forward)
K2	pETHaPrP(23-231)	5'-CATATGAAGGAGCGGCCAGAGCCTGGAG-3'
K2-E200K	pETHaPrP(23-231) K2	5'-GGAGAACTTCACGAAGACCGACATCAAG-3'
K2	pcDNA-HaPrP(1-254)	5'-GCCTCTGCAAGGAGCGGCCAGAGCCTGGAG-3
K4	pETHaPrP(23-231)	5'-GTGGAACGAGCCCAGTGAGCCAGAAACCAACATGGAGCACATGG-3'
K4	pcDNA-HaPrP(1-254)	5'-CAGTGAACGAGCCTTCGGACCCAGAAACCAACATGGAGCACATGG-3'
K6	pETHaPrP(23-231) K4	5'-CATATGAAGGAGCGGCCAGAGCCTGGAG-3'
K6	pcDNA-HaPrP(1-254) K4	5'-GCCTCTGCAAGGAGCGGCCAGAGCCTGGAG-3
E200K	pETHaPrP(23-231) pcDNA-HaPrP(1-254)	5'-GGAGAACTTCACGAAGACCGACATCAAG-3'
Q217R	pETHaPrP(23-231) pcDNA-HaPrP(1-254)	5'-GTGTACCACCCGGTATCAGAAGGAG-3'
Q219K	pETHaPrP(23-231) pcDNA-HaPrP(1-254)	5'-CAGATGTGTACCACCCAGTATAAGAAGGAG-3'
E221K	pETHaPrP(23-231) pcDNA-HaPrP(1-254)	5'- CAGTATCAGAAGAAGTCCCAGGCCTACTAC-3'