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Supporting information for article:

Engineering the internal cavity of neuroglobin demonstrates the role of the haem sliding mechanism

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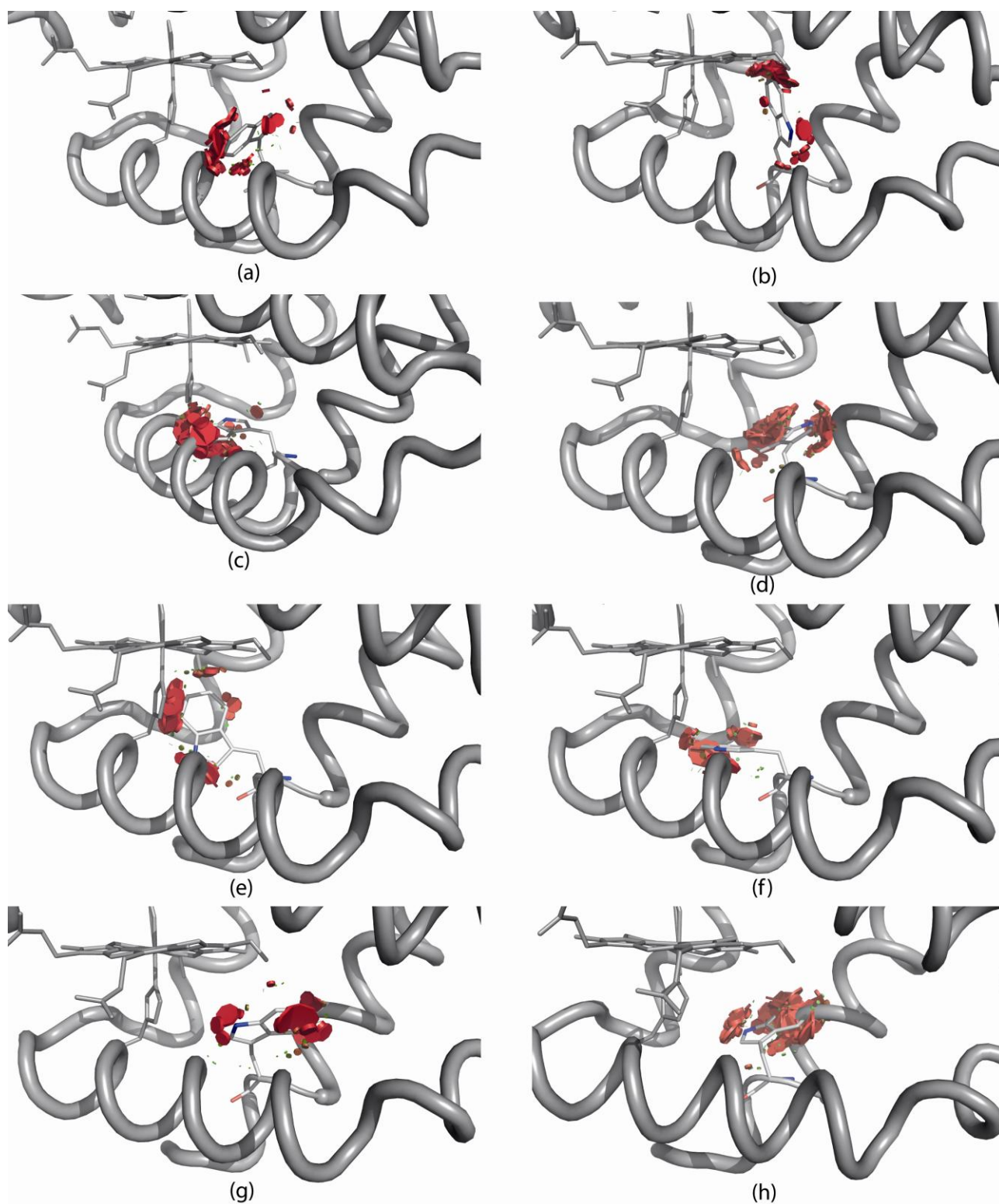


Figure S1 The *in silico* substitution of M144 with a Trp in the CO-bound state of Ngb leads to steric clash with the heme or main chain atoms that can not be avoided by adopting different rotamers. This is visualized by using PyMOL (Version 1.5.0.4, Schrödinger, LLC). In the eight panels of this figure, we show the allowed rotamers for a Trp as inserted in the CO-bound structure of Ngb WT. The steric conflicts of the Trp in position 144 are highlighted in red.