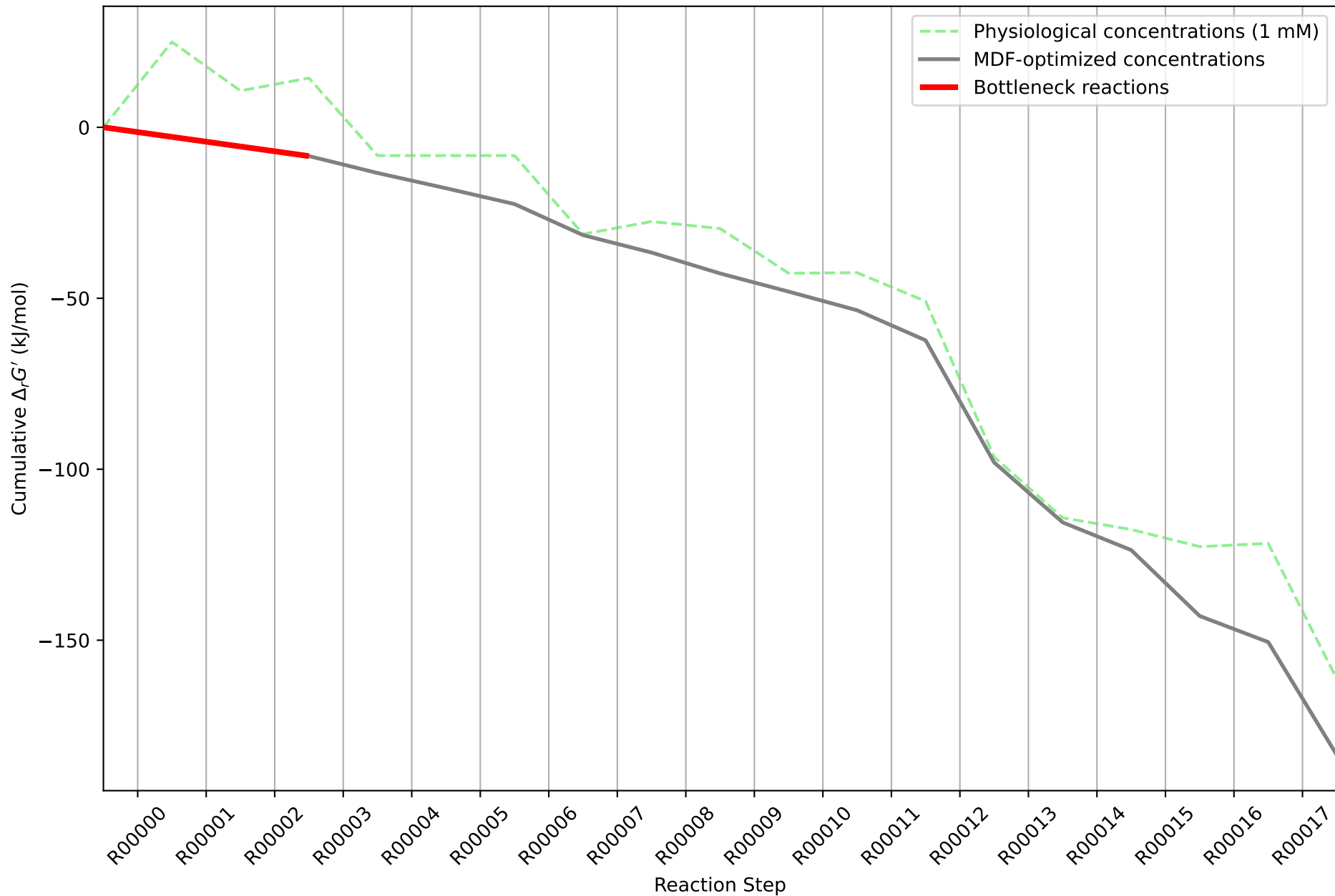


MDF = 2.81 kJ/mol



$2 \text{ 14_benzoquinones} + \text{ATP} + 3 \text{ Acetyl_CoA} + 4 \text{ H}_2\text{O} + \text{Nicotinamide_adenine_dinucleotide} + \text{Nicotinamide_adenine_dinucleotide_phosphate_reduced} = \text{ADP} + 3 \text{ Coenzyme_A} + 2 \text{ Hydroquinone} + \text{Nicotinamide_adenine_dinucleotide_phosphate} + \text{Nicotinamide_adenine_dinucleotide_reduced} + \text{Phosphate} + 2 \text{ Pyruvate}$