**Supplemental file 6**

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***A New Take on John Maynard Smith's Concept of Protein-Space for Understanding Molecular Evolution***

**Additional references on adaptive landscapes**

For those looking for broad reviews on the topic of empirical adaptive landscapes, we highlight two good summaries:

de Visser JAGM, Krug J. Empirical fitness landscapes and the predictability of evolution. Nat Rev Genet. 2014 Jul;15(7):480–90.

Poelwijk FJ, Kiviet DJ, Weinreich DM, Tans SJ. Empirical fitness landscapes reveal accessible evolutionary paths. Nature. 2007 Jan 25;445(7126):383–6.

Additionally, below we provide a set of references for those interested in further exploring the study of adaptive landscapes in greater detail. This is by no means an exhaustive list, but only a small sample of the types of work being conducted across a number of systems.

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