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Phosphorylation-induced changes in the energetic frustration in human Tank Binding Kinase 1

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**Highlights**

- Phosphorylation induced changes in energy landscape of TBK-1.
- A large network of highly frustrated interactions is found in the phosphorylated TBK-1.
- Both intra and inter subunit correlated motions increases with phosphorylation of TBK-1.
- Phosphorylation affects long-range contacts that might lead to significant conformational change in TBK-1.

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