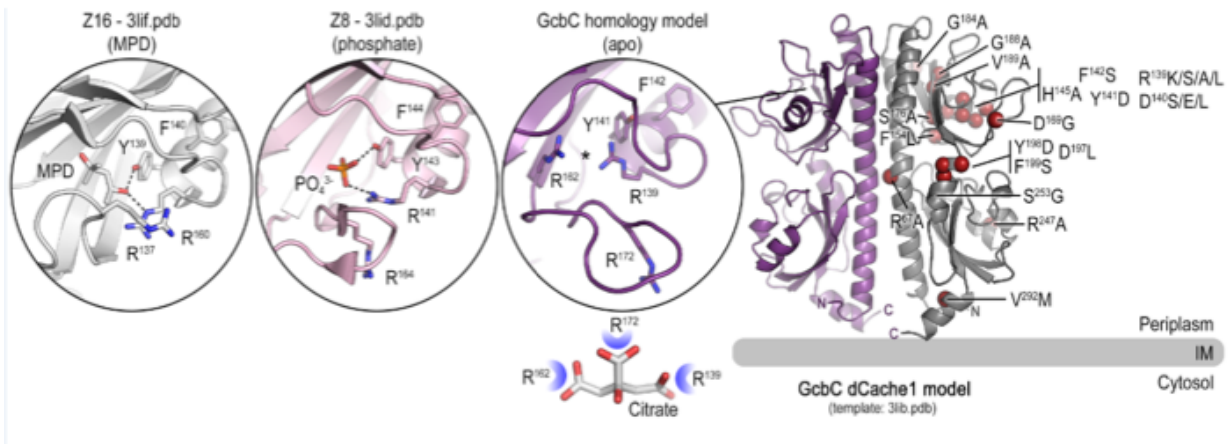


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4 **Fig. S4. M Modeling the CACHE domain of GcbC on rpHK1S-Z16 (PDB ID: 3LIF) and vpHK1S-Z8**

5 **(PDB ID: 3LID).** Shown is the model of the ligand-binding site of rpHK1S-Z16 (PDB ID: 3LIF) and

6 vpHK1S-Z8 (PDB ID: 3LID), as well as the homology model of the ligand-binding site of the apo-

7 GcbC. On the far right is shown the overall model of the GcbC periplasmic domain based on the

8 structure of rpHK1S-Z16 (PDB ID: 3LIF).

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