Figure S1: Omit electron density maps of BcHMGR ligands. Omit density (green mesh) for ADP (left) and coenzyme A (right) is contoured at $2\sigma$. 2mF$_o$-F$_c$ density (blue mesh) is contoured at $1.5\sigma$ and includes the ligand plus nearby interacting residues.
**Figure S2:** Overlay of ADP and NAD$^+$ binding in HMGR. ADP (BcHMGR, sand) and NAD$^+$ from *PmHMGR* (cyan) and *DaHMGR* (blue) are superimposed on the basis of superposition of small domain C$_\alpha$ atoms. The position of the ADP diphosphate is indicated by the arrow.