

**Table 4. Numerical Results of fitting a kinetic model incorporating the Lid-opening conformational change as the mechanistic rate-limiting step to bulk enzymatic turnover data for the His-tagged mutant AK used in single molecule experiments**

<b>Constant<sup>1</sup></b>	<b>Mutant protein</b>
$K_{\text{Mg}\cdot\text{ADP}}$	$140 \pm 30 \mu\text{M}$
$K_{\text{ADP}}$	$17.8 \pm 0.5 \mu\text{M}$

---

<sup>1</sup> ?/Au: Please confirm “Constant” as an appropriate heading or provide another.