

Supplementary Table 1. Summary of kinetic data

Proteins	K_M (mM AMP)	V_{max} (nmolAMP/min*mg)
PARN WT	0.01	8368.5
F31A	0.05	159.7
I34A	0.03	416.0
F115A	0.02	777.7
F127A	0.01	5112.7
K326A	0.08	560.64
PARN (175-245)	0.16	16498.1
PARNn	0.50	272.9

Tabulated K_M and V_{max} values were measured at least twice.