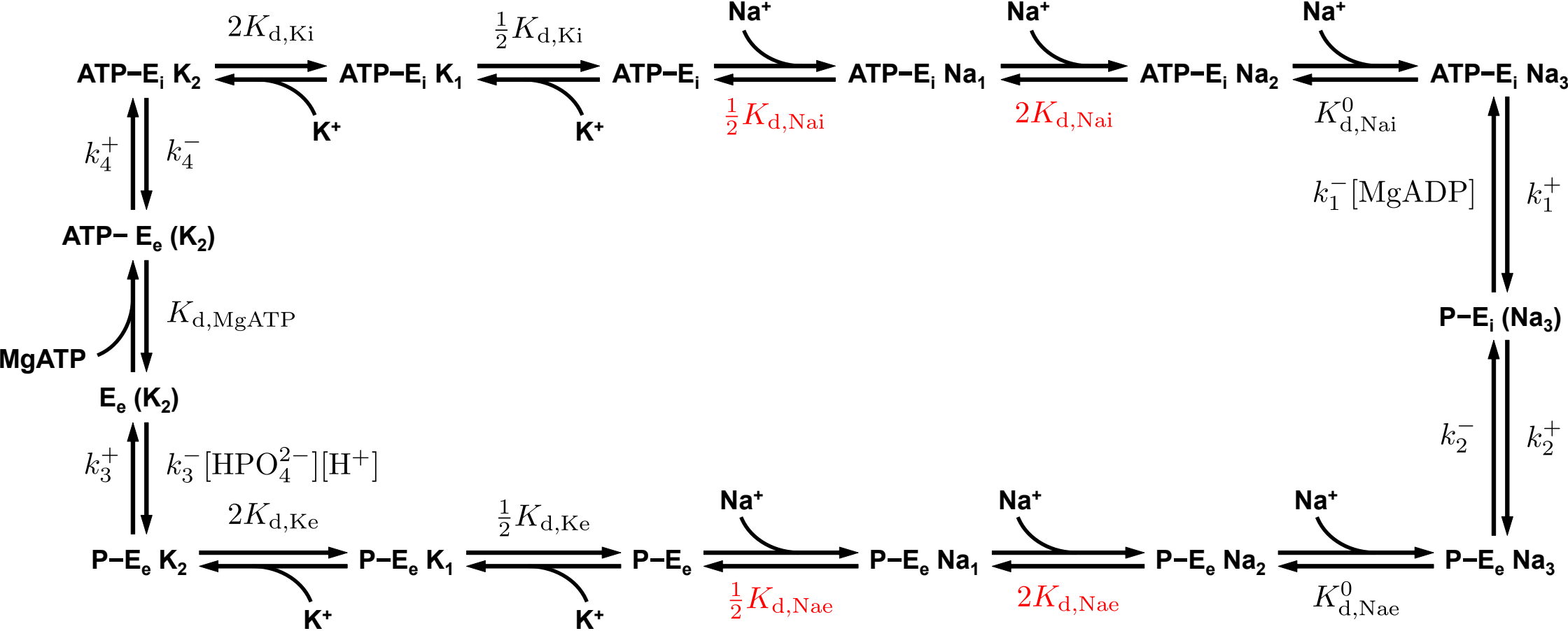
ATP−E$_i$ K$_2$
$2K_{\mathrm{d,Ki}}$
ATP−E$_i$ K$_1$
$\frac{1}{2}K_{\mathrm{d,Ki}}$
ATP−E$_i$
Na+
ATP−E$_i$ Na$_1$
Na+
ATP−E$_i$ Na$_2$
Na+
ATP−E$_i$ Na$_3$
K+
K+
$\frac{1}{2}K_{\mathrm{d,Nai}}$
$2K_{\mathrm{d,Nai}}$
$K^0_{\mathrm{d,Nai}}$
k_4^+
k_4^-
$k_1^-[\mathrm{MgADP}]$
k_1^+
ATP− E$_e$ (K$_2$)
$K_{\mathrm{d,MgATP}}$
P−E$_i$ (Na$_3$)
MgATP
E$_e$ (K$_2$)
k_2^-
k_2^+
k_3^+
$k_3^-[\mathrm{HPO}_4^{2-}][\mathrm{H}^+]$
$2K_{\mathrm{d,Ke}}$
$\frac{1}{2}K_{\mathrm{d,Ke}}$
Na+
Na+
Na+
P−E$_e$ K$_2$
P−E$_e$ K$_1$
P−E$_e$
P−E$_e$ Na$_1$
P−E$_e$ Na$_2$
P−E$_e$ Na$_3$
K+
K+
$\frac{1}{2}K_{\mathrm{d,Nae}}$
$2K_{\mathrm{d,Nae}}$
$K^0_{\mathrm{d,Nae}}$