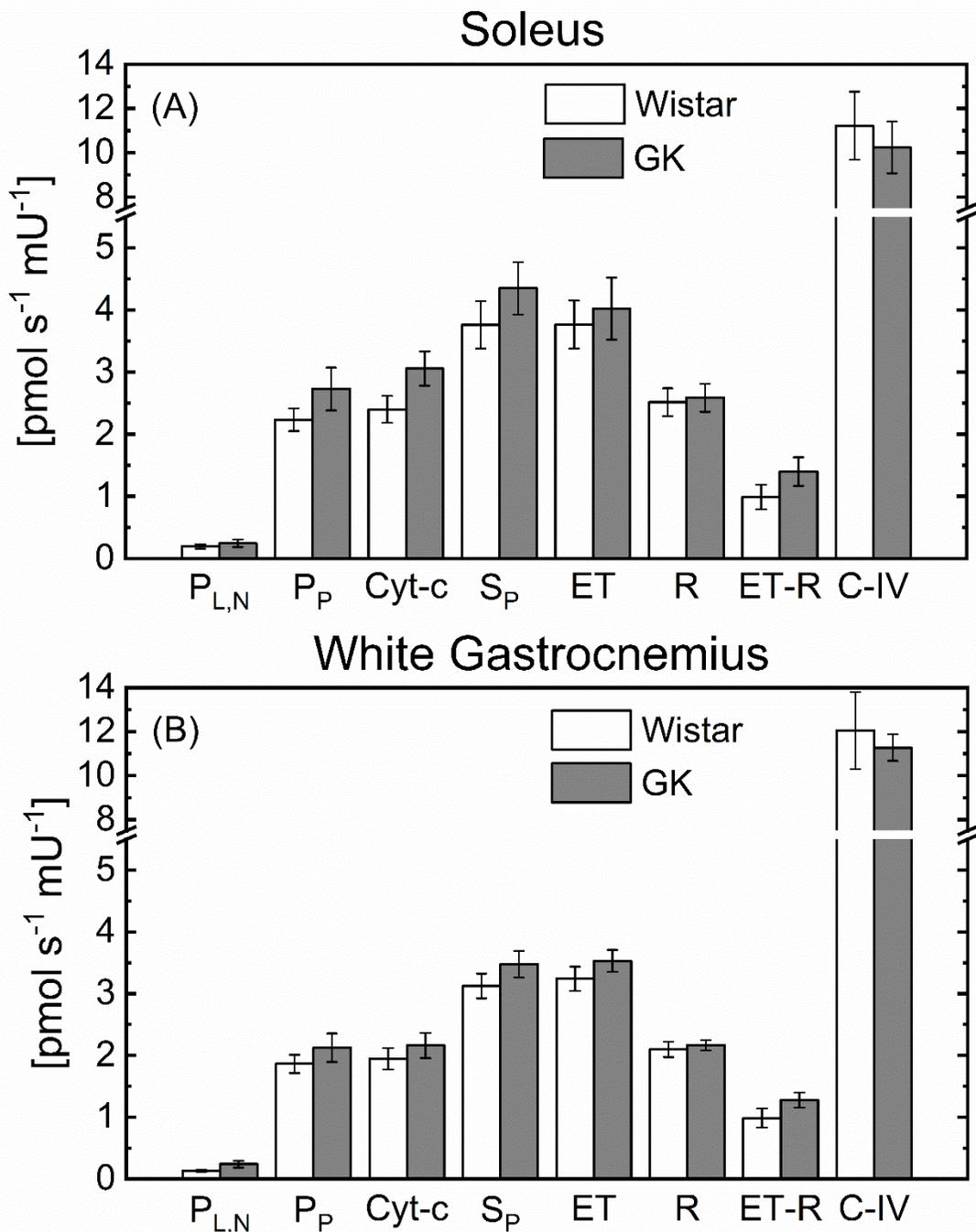
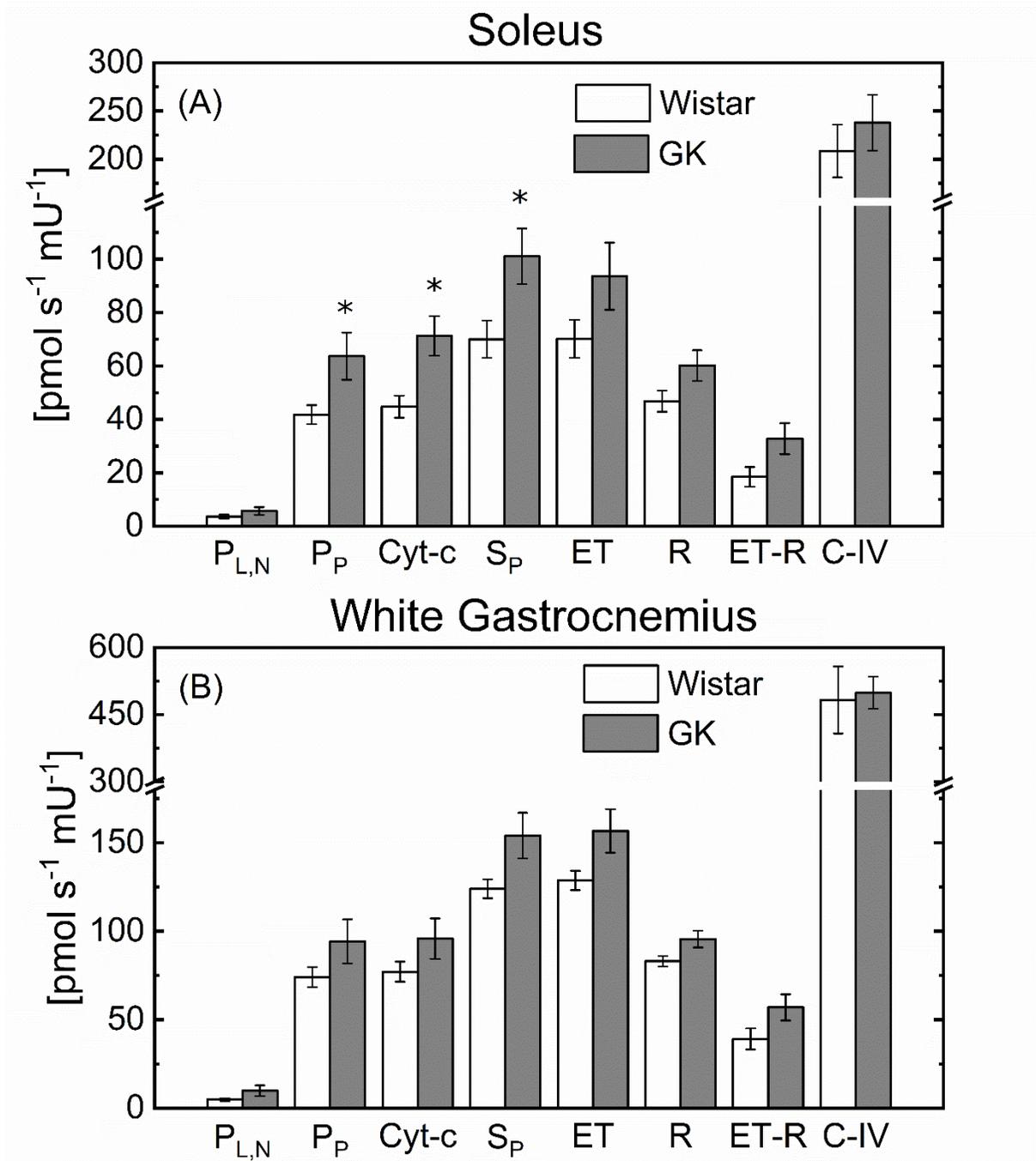


Supplementary Material

Supplementary Figures



**Supplementary Figure 1.** Respiration rates normalized to citrate synthase activity in permeabilized soleus (A) and white gastrocnemius (B) of control and GK rats obtained under leak (P<sub>L,N</sub>) and oxphos state (P<sub>P</sub>) with malate and pyruvate, cytochrome c (Cyt-c), Succinate (S<sub>P</sub>), uncoupled mitochondria to measure maximal electron transport chain capacity (ET), rotenone (R). Also, ET-R indicates the respiration rate difference between that indicated with ET and R; CIV indicates the respiration rate difference between that with ascorbate plus TMPD and azide. Data are mean ± SEM (n=6).



**Supplementary Figure 2.** Respiration rates normalized to succinate dehydrogenase activity in permeabilized soleus (A) and white gastrocnemius (B) muscles of control and GK rats obtained under leak state (P<sub>L,N</sub>) and oxphos state (P<sub>P</sub>) with malate and pyruvate, cytochrome c (Cyt-c), Succinate (S<sub>P</sub>), uncoupled mitochondria to measure maximal electron transport chain capacity (ET), rotenone (R). Also, ET-R indicates the respiration rate difference between that indicated with ET and R; CIV indicates the respiration rate difference between that with ascorbate plus TMPD and azide. (\*) Statistically different from control. Data are mean ± SEM (n=6).