Supplementary figure.

Schematic figure indicates procedures and reagents of the novel fluorescent assay using robot arm.

Enzyme reaction sol. 50 mM HEPES-KOH pH 7.5 1 mM ATP 6 mM Mg(CH₃COO)₂ N.c. or T.g. NTPase



Put reagent by robot arm

Incubation at 37°C for 10 min and then, added 0.1N HCl



Put reagent by robot arm

2x Biofluorescent reaction sol. 100 mM Tris HCl (pH7.5)

10 mM MgCl₂

2 mM Glucose

2 U/ml ADPHK

2 U/ml G6PDH

2 U/ml Diaphorase

200 μM NADPH

100 μM Resazurin

0.01 % BSA

0.05 % Triton X-100

20 mM N-ethylmaleimide



Measured fluorescent intensity at ex. 540/em. 590