SUPPLEMENTARY DATA

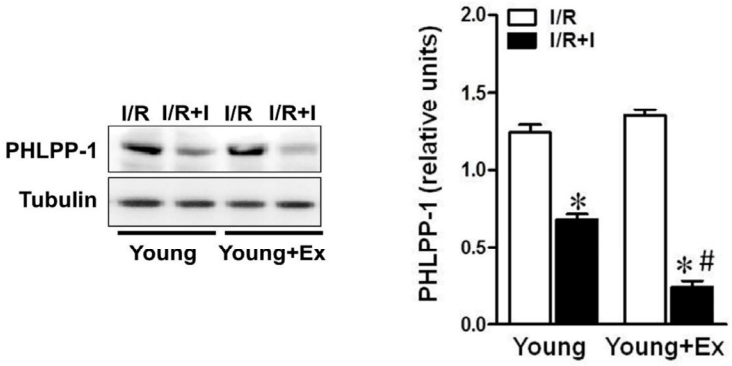

Figure S1. Insulin downregulates PHLPP-1 level in young hearts. Young rats were experienced exercise training for 10 weeks. Trained or untrained young hearts were subjected to *in vivo* ischemia and reperfusion. Quantification of PHLPP-1 immunoblots results shown that PHLPP-1 protein level in trained young group (young+Ex) showed no significant change comparing with untrained young group (young). But, administration of insulin during reperfusion, protein level of PHLPP-1 was markedly downregulated in untrained young group and further downregulated in exercise trained young group. Values are mean ± S.E., n=5 per group.*$P < 0.05$ vs. Young+I/R; #$P < 0.05$ vs. Young+Ex+I/R.