



Supplemental Fig. S5. The representatives of Western blotting data for cardiac protein expressions between a rat with highest cardiorespiratory fitness (CRF) level versus a rat with lowest CRF level of each group. ND, normal diet; HFD, high-fat diet; CPT1, carnitine palmitoyl-transferase I; PGC-1 α , peroxisome proliferator-activated receptor gamma coactivator-1 α ; p-AMPK, phosphorylated-activated protein kinase; p-IRS, phosphorylated-insulin receptor substrate 1; IRS, insulin receptor substrate 1; MFN1, mitofusin 1; MFN2, mitofusin 2; OPA1, optic atrophy 1; DRP1, dynamin-related protein 1; p-DRP1^{ser616}, phosphorylated-dynamin-related at serine⁶¹⁶; PINK1, PTEN-induced kinase 1; LC3-II, light chain 3-II; Bax, Bcl-2-associated X protein; Bcl, B-cell lymphoma; GPX4, glutathione peroxidase 4; SOD2, superoxide dismutase 2; TNF- α , tumor necrosis factor- α ; p-NF κ B, phosphorylated-nuclear factor kappa-light-chain-enhancer of activated B cells; NF κ B, nuclear factor kappa-light-chain-enhancer of activated B cells; sRAGE, soluble-receptor for advanced glycation end product; VDAC, voltage-dependent anion channel; GAPDH, glyceraldehyde 3-phosphate dehydrogenase.