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Corrigendum to "The correlation of IRE1α oxidation with Nox4 activation in aging-associated vascular dysfunction" [Redox Biology 37 (2020) 101727]

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The authors regret there is a type error. The authors would like to apologise for any inconvenience caused.

Legends

1. The authors regret there is a type error in In Figure 1E legend, the description of color of immunostaning was incorrectly made. Needs to be changed as follows; "(E) Confocal images (scale bars, 20 μm) show localization of Nox4 (Green) to the ER, which was labeled with an anti-calnexin antibody (Red)".

2. In Figure 4H legend, "(H) Lysates from (cells) were analyzed for the presence of oxidized proteins by OxyBlot analysis".

3. In Figure 6A legend, "(A) HUVECs were transiently transfected with Nox4 siRNA or control siRNA".

4. In supplementary Figure 3I, "(I) Western blots analysis of Nox4 and β-actin expression".

Results

-At page 7, "We also performed proximity ligation assay (PLA) experiments and confirmed the proximity between IRE1α and Nox4 in HUVECs (Fig. 5C)".

-At page 8, "C663 located within the activation loop of the IRE1α kinase domain in *C. elegans* is sulfenlyated in a previous report [45] and matched to C715 in human IRE1α (Fig. 5D)".

-At page 8, "Cells transfected with IRE1α WT revealed increased sulfonation by D-gal, but not by mutant IRE1α C715S/C762S (Fig. 5E).

-At page 8, "However, cells transfected with IRE1α K599A showed increased sulfonation as compared to IRE1α WT with treatment of D-gal, indicating sulfonation of IRE1α by D-gal is independent of phosphorylation of IRE1α (Fig. 5E). The phosphorylation of eNOS Ser1177 level was significantly decreased in IRE1α WT, but not by mutant IRE1α C715S/C762S (Fig. 5F)".

Figure -In Figure 1D, the last panel, cyt c is not correctly marked. So needs to be replaced to "Sodium Potassium ATPase". "14 needs to be changed to 114".

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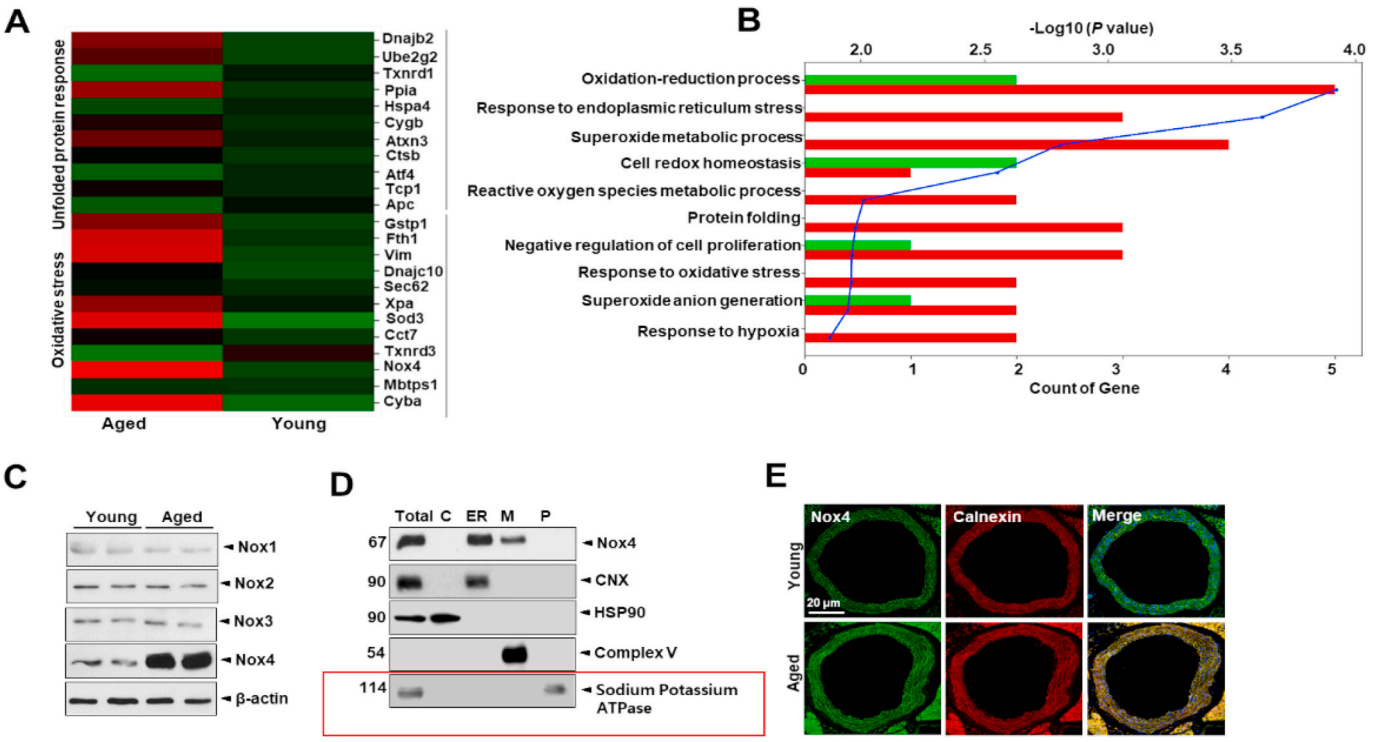
A
Unfolded protein response
Oxidative stress
Dnajb2
Ube2g2
Txnrd1
Ppia
Hspa4
Cygb
Atxn3
Ctsb
Atf4
Tcp1
Apc
Gstp1
Fth1
Vim
Dnajc10
Sec62
Xpa
Sod3
Cct7
Txnrd3
Nox4
Mbtps1
Cyba
Aged
Young
B
-Log10 (P value)
2.0
2.5
3.0
3.5
4.0
Oxidation-reduction process
Response to endoplasmic reticulum stress
Superoxide metabolic process
Cell redox homeostasis
Reactive oxygen species metabolic process
Protein folding
Negative regulation of cell proliferation
Response to oxidative stress
Superoxide anion generation
Response to hypoxia
0
1
2
3
4
5
Count of Gene
C
Young
Aged
Nox1
Nox2
Nox3
Nox4
β-actin
D
Total C
ER
M
P
67
90
90
54
114
Nox4
CNX
HSP90
Complex V
Sodium Potassium ATPase
E
Nox4
Calnexin
Merge
Young
Aged
20 μm