

Original Western blot images (Original Western blot images corresponding to Figure 1F,1I, 2I, 3K, 4O, 5I, 6K, and 8D.)

Figure 1F

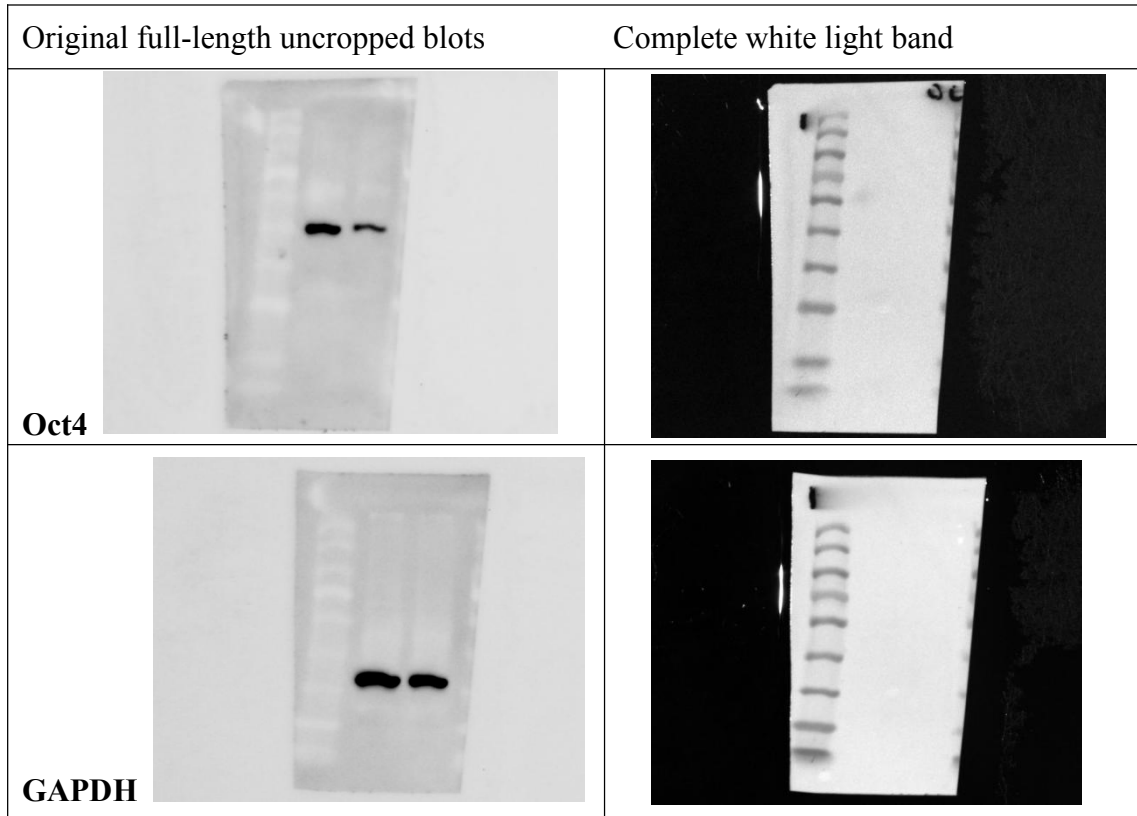


Figure 1F Western blot analysis of Oct4 protein levels in MSCs under normoxia versus hypoxia for 72 hours.

Figure 1I

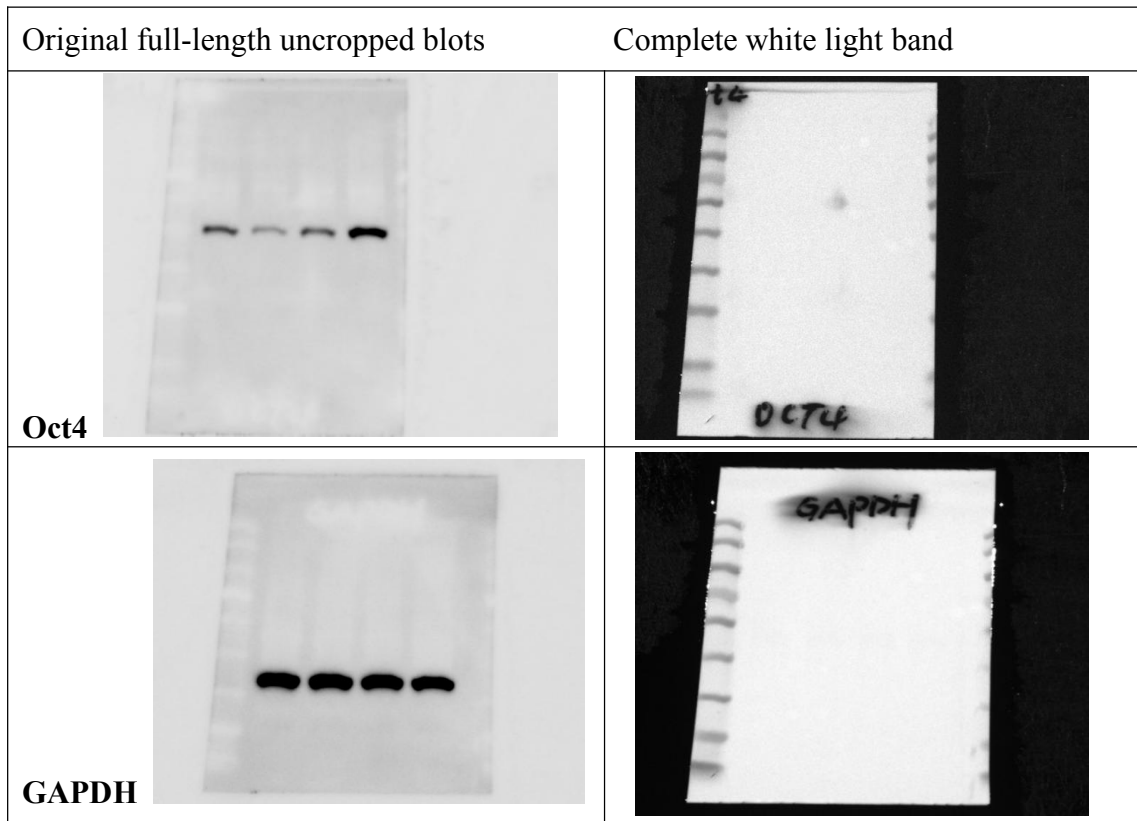


Figure 1I Western blot analysis of Oct4 protein in hypoxic MSCs transfected with NC mimic, miR-195-3p mimic, NC inhibitor, or miR-195-3p inhibitor for 72 hours. Culture conditions: Normoxia (21% O₂, 5% CO₂, balance N₂); Hypoxia (1% O₂, 5% CO₂, balance N₂).

Figure 2I

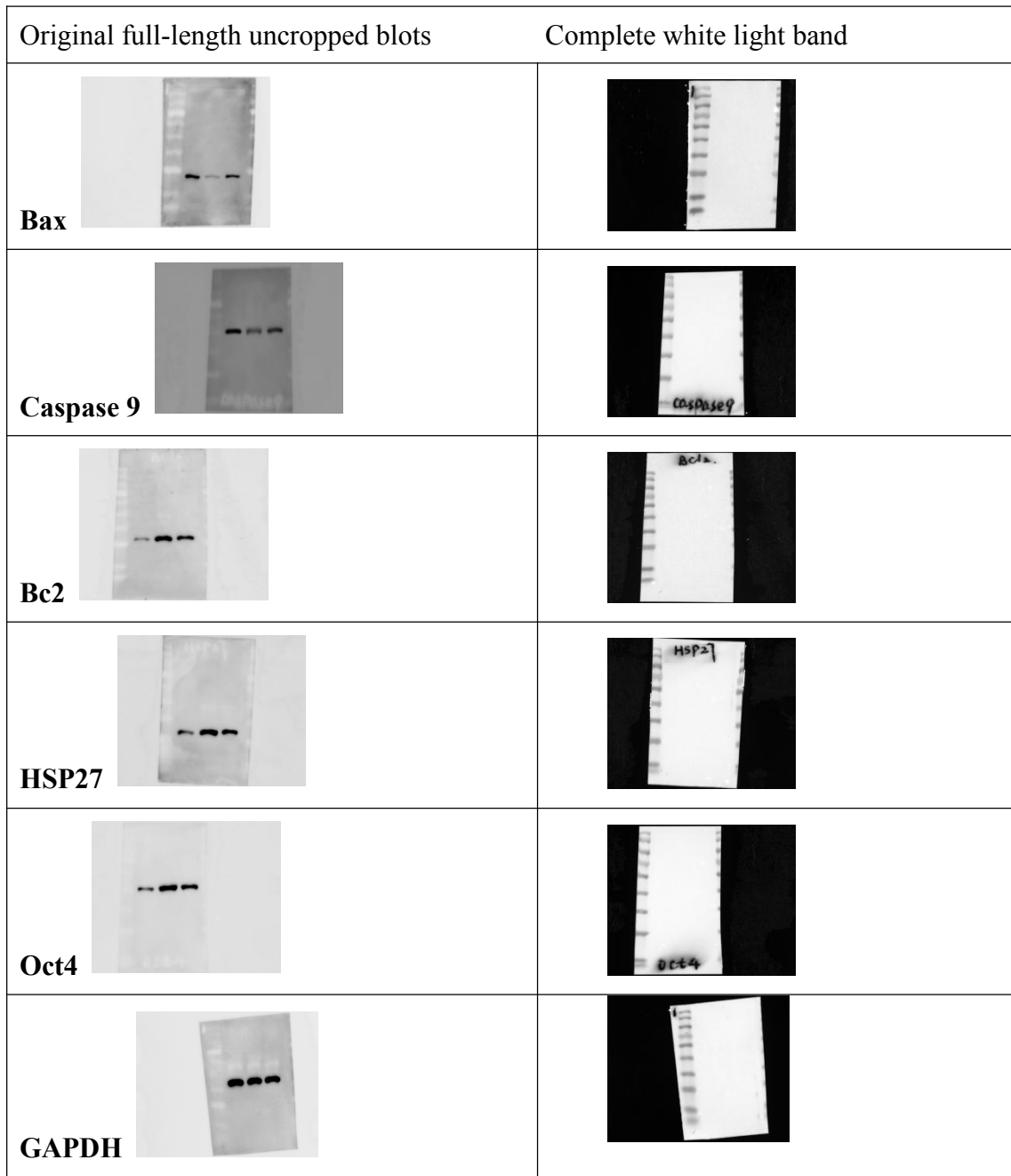


Figure 2I Representative Western blots showing protein levels of Bax, Caspase 9, Bcl-2, Hsp27, and Oct4 in MSCs after 72 hours of hypoxia with or without miR-195-3p mimic or *oe*Oct4.

Figure 3K

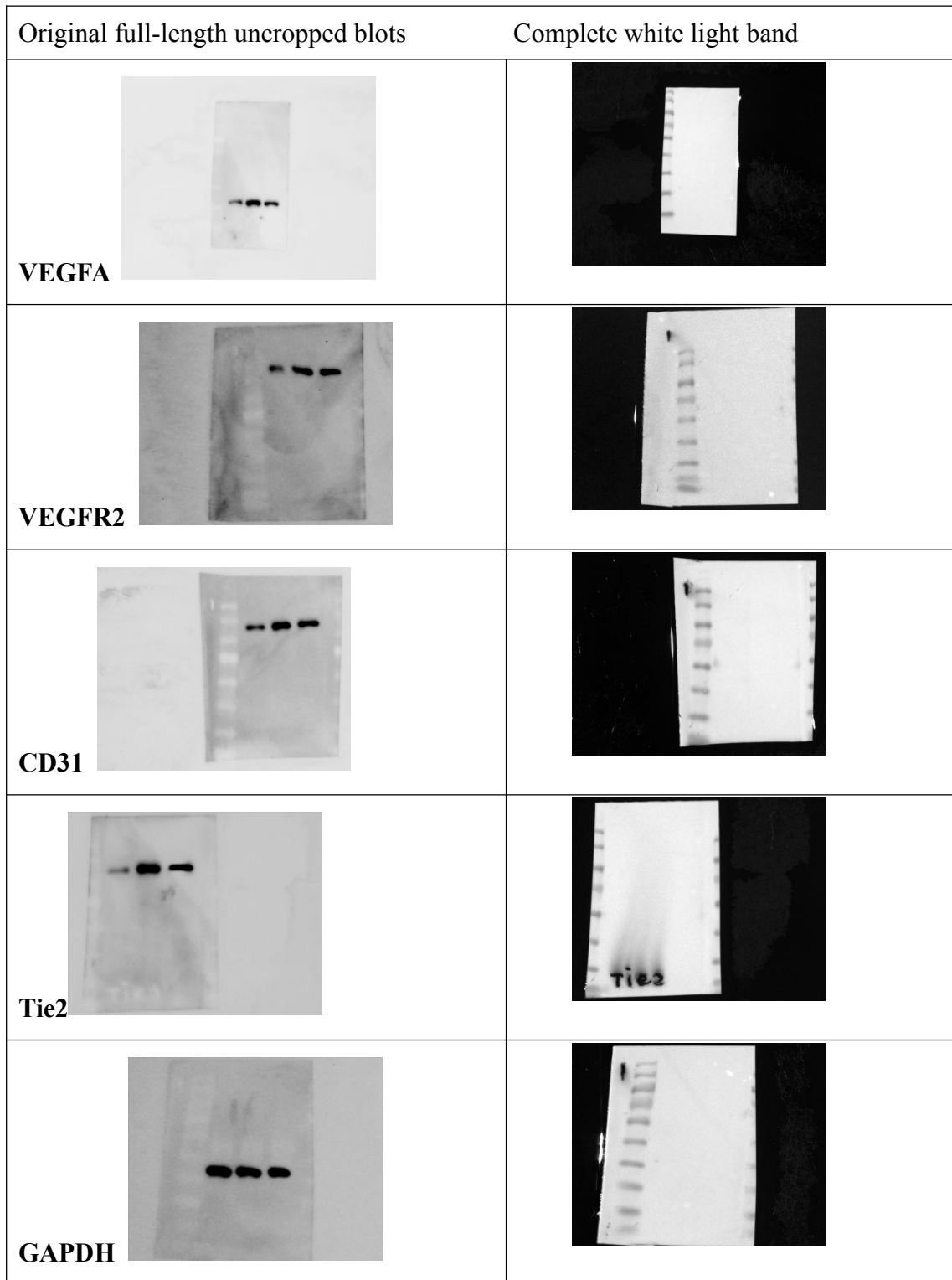


Figure 3K Western blot analysis of VEGFA, VEGFR2, Tie2, and CD31 protein expression in MSCs after 7 days of hypoxic culture with VEGF overexpression (*oe*VEGF) and/or miR-195-3p mimic.

Figure 40

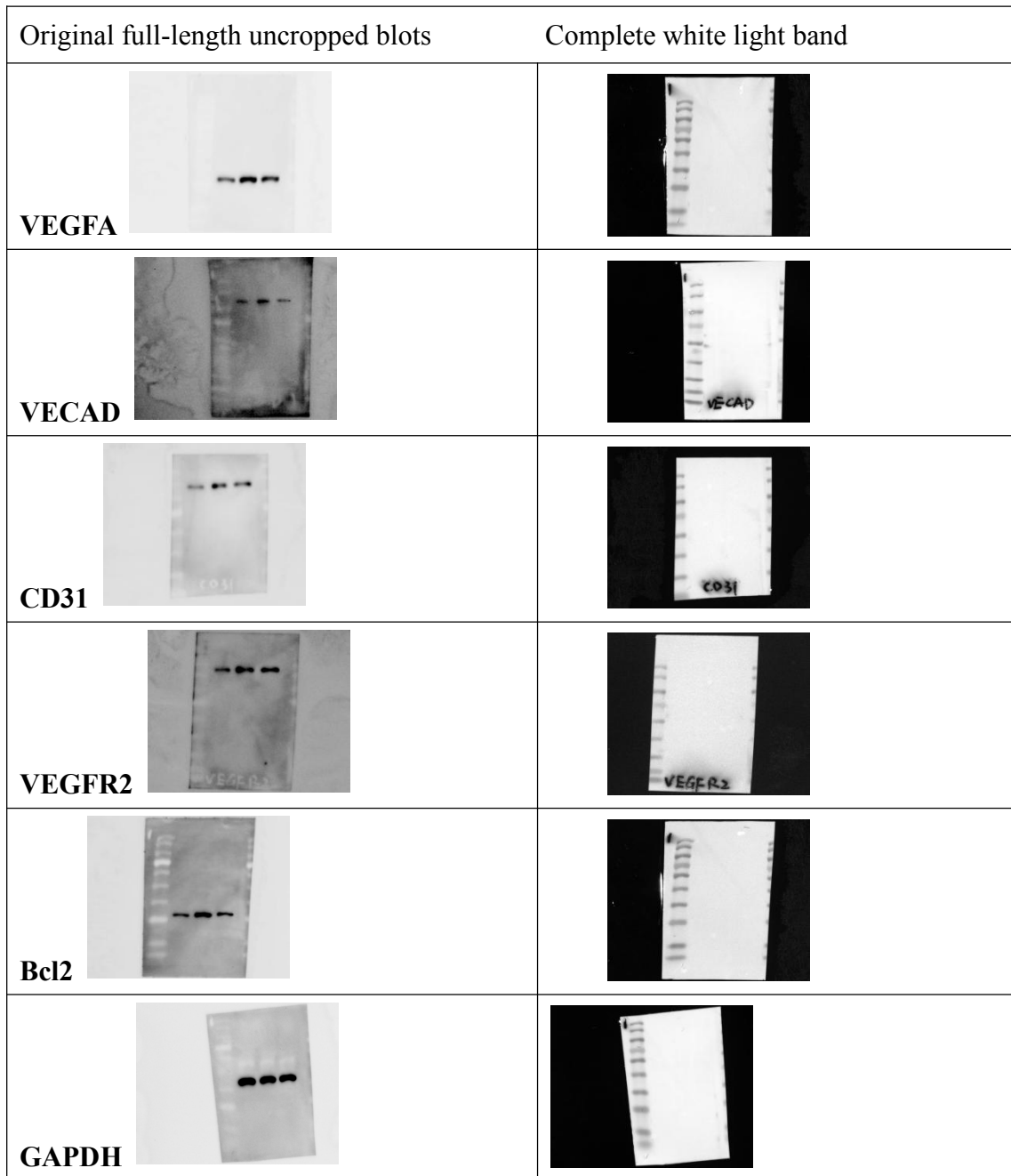


Figure 40 Protein levels of VEGFA, VEGFR2, CD31, VECAD, and Bcl2 detected by Western blot in MSCs after 7 days of hypoxia with or without *oe*Oct4 or *sh*VEGF.

Figure 5I

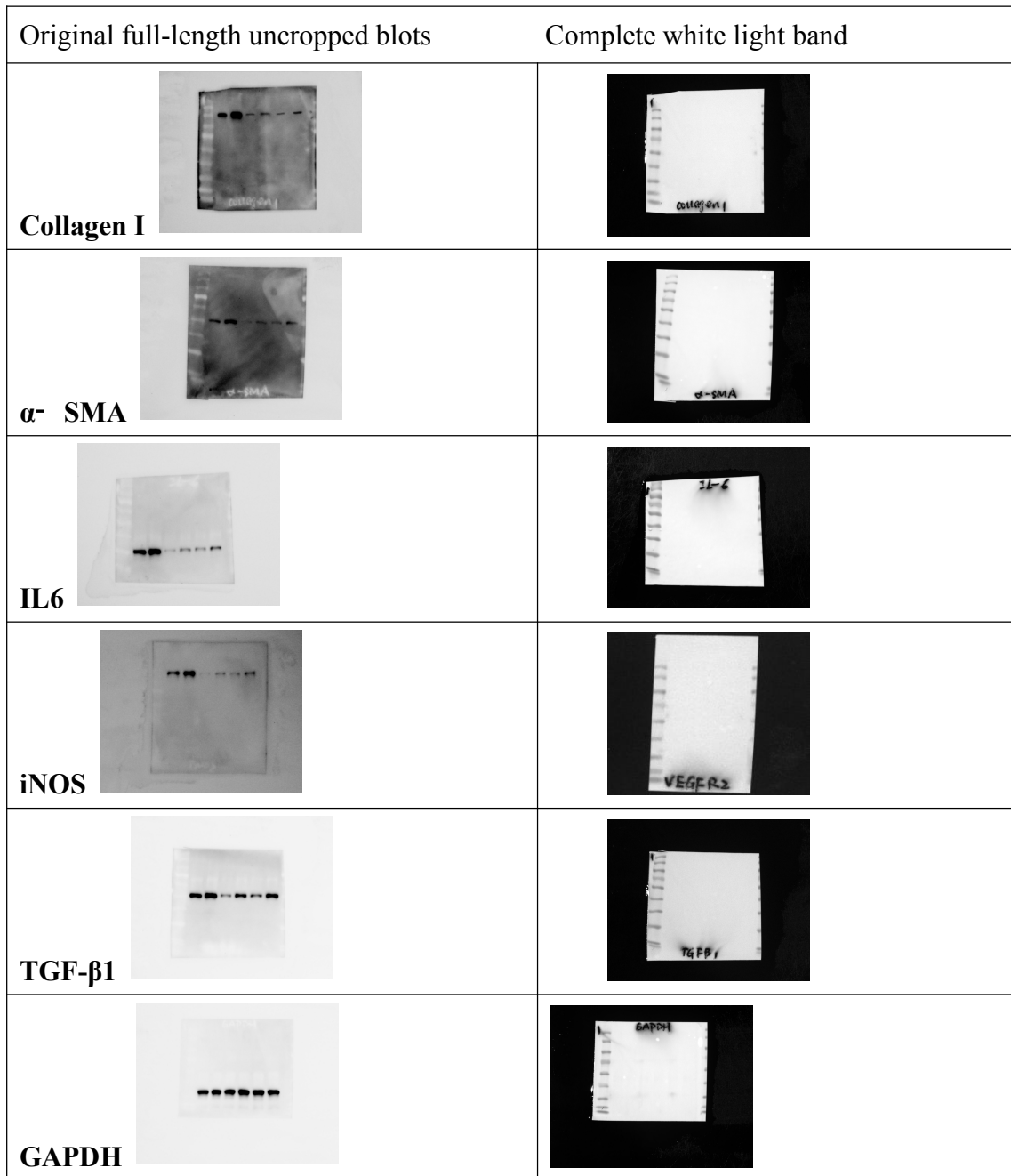


Figure 5I Protein levels of collagen I, α -SMA, IL6, iNOS, and TGF- β 1 assessed by Western blot in MSCs after 7 days of hypoxia with or without miR-195-3p mimic, *oe*Oct4, *oe*VEGF, and/or *sh*VEGF treatment.

Figure 6K

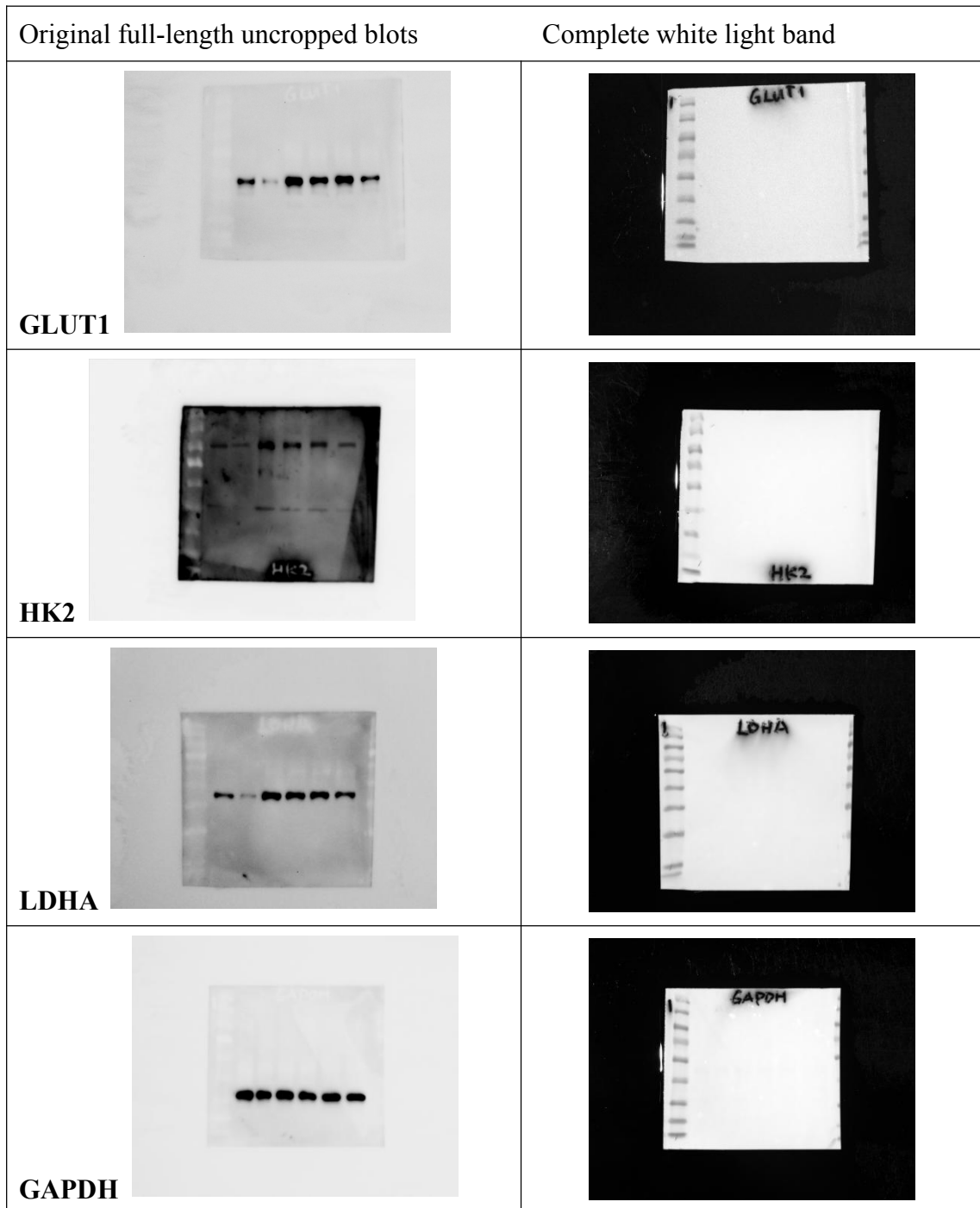


Figure 6K Western blot analysis of key glycolytic enzymes in MSCs treated with CON, miR-195-mimic alone, *oe*Oct4 alone, *oe*VEGF alone, or miR-195-mimic combined with *oe*Oct4 or *oe*VEGF.

Figure 8D

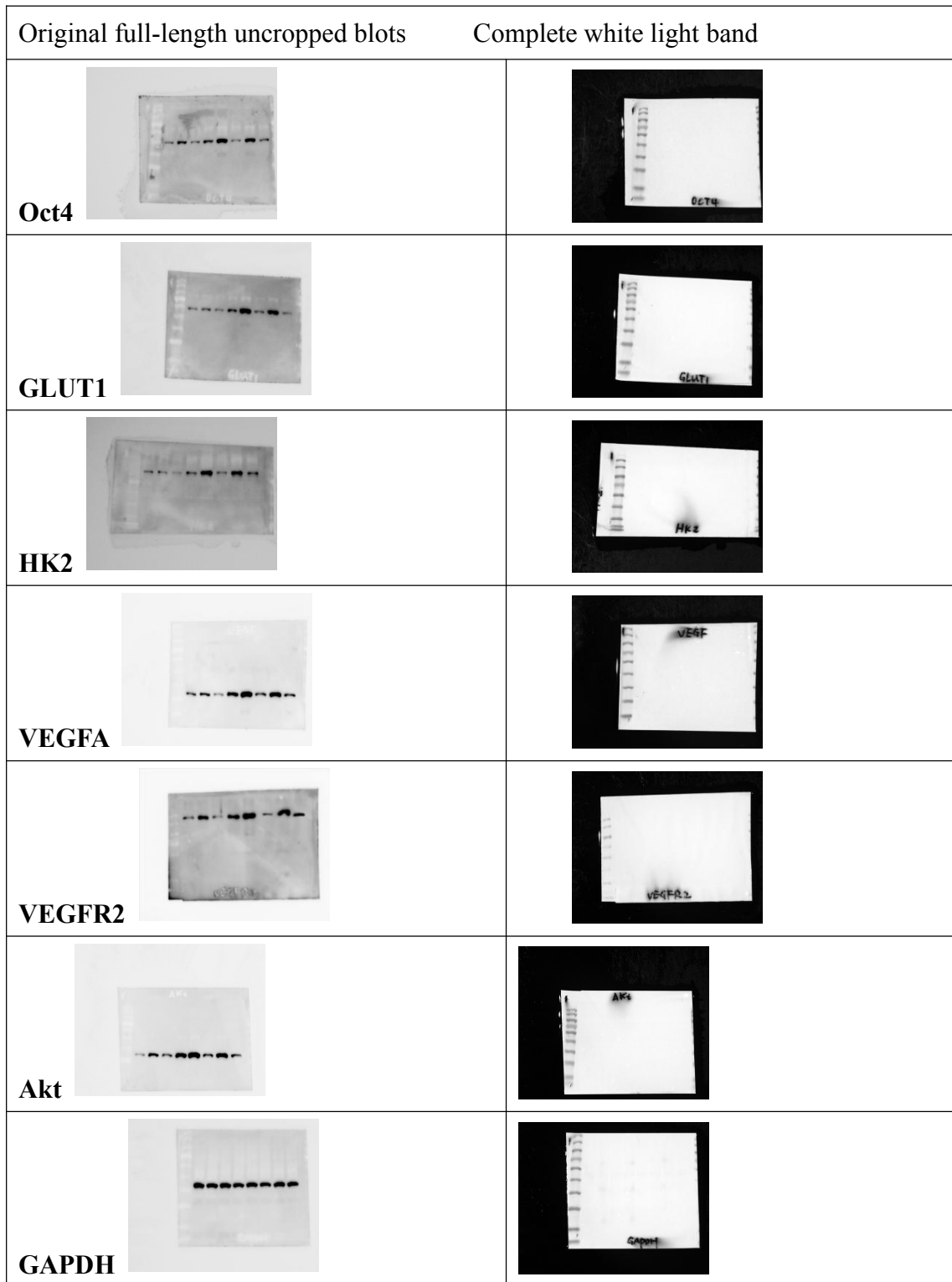


Figure 8D Representative immunoblots and quantitative analysis of Oct4, GLUT1, HK2, VEGFA, VEGFR2, and Akt protein levels in myocardial tissues from rats treated with PBS or MSCs preconditioned with vehicle, lactate, *oe*miR-195-3p, *oe*Oct4, *sh*Oct4, lactate + *oe*Oct4, or *oe*miR-195-3p + *sh*Oct4.