Figure 5. The embryonic stem cell marker Oct-4 is detectable in the proximal vagina at 4 weeks after surgery, and its expression is stimulated in the vaginal tissue that receives the skeletal muscle-derived stem cells (MDSC)/small intestinal submucosa (SIS) implants. Frozen tissue sections were fixed with 2% formaldehyde for 10 minutes and subjected to immunohistochemistry with anti-Oct-4 antibody followed by immunoperoxidase-AEC staining. (A, D, G) 40X. (B, C, E, F, H, I) 200X. Tissues as indicated.