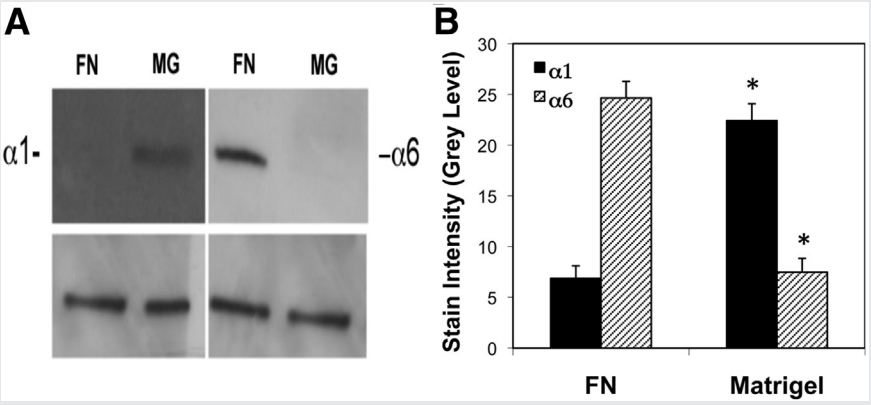
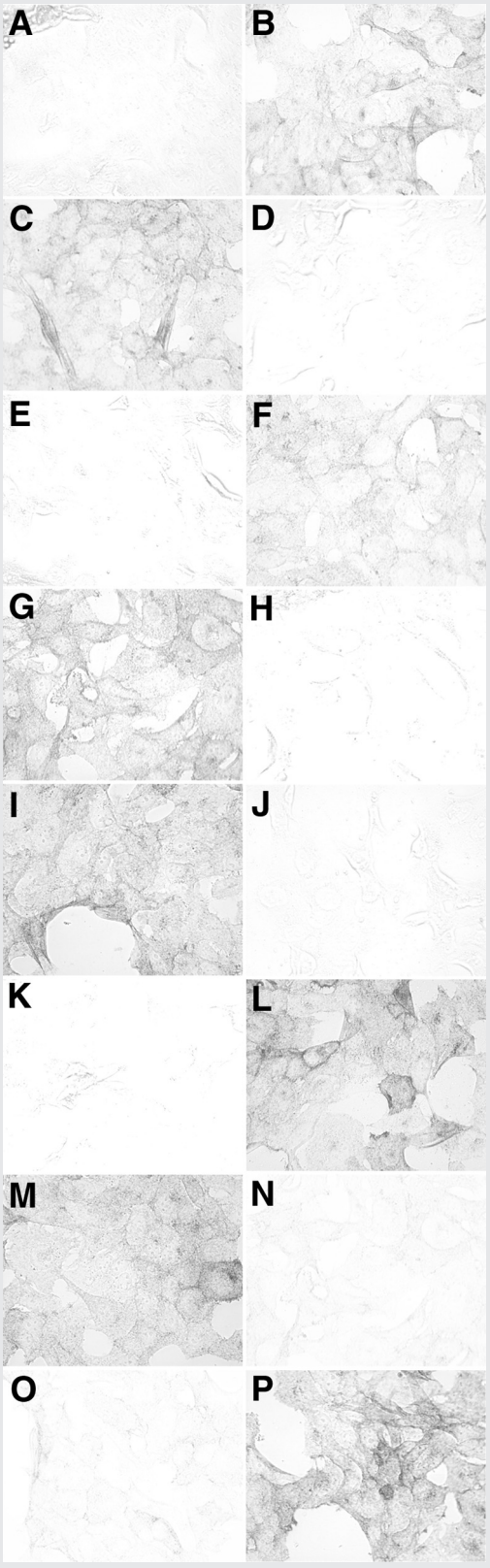
SUPPLEMENTAL FIGURE 1



Detection of integrin switching. (**A**) HTR-8/SVneo cytotrophoblast cells were cultured for 24 hours on fibronectin (FN) or Matrigel (MG) and analyzed by Western blotting of integrin subunits, as previously described (57). Each lane contained 30 μg of protein extract and was labeled with antibodies against the indicated proteins (upper panels), and were stripped and reprobed for β-actin (lower panels). (**B**) Integrin expression was measured by quantitative immunocytochemistry of α1 and α6 in cells cultured on either FN or MG. * $P<.05$ vs. FN. Both analytical approaches reveal integrin switching induced by Matrigel.

Bolnick. Sildenafil and trophoblast invasion. Fertil Steril 2015.

SUPPLEMENTAL FIGURE 2



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SUPPLEMENTAL FIGURE 2 Continued

Expression of the α1 and α6 integrin subunits was determined as in Figure 2B. Examples of immunocytochemical staining of α1 (**A**, **C**, **E**, **G**, **I**, **K**, **M**, **O**) and α6 (**B**, **D**, **F**, **H**, **J**, **L**, **N**, **P**) in cells cultured with vehicle (**A**, **B**), 350 ng/mL sildenafil (**C**, **D**), combinations of sildenafil with L-NAME (**E**, **F**) or D-NAME (**G**, **H**), cGMP analogue (**I**, **J**), sildenafil with cGMP inhibitor (**K**, **L**), SNAP (**M**, **N**), or SNAP with cGMP inhibitor (**O**, **P**).

Bolnick. Sildenafil and trophoblast invasion. Fertil Steril 2015.