

Description of Additional Supplementary Files

Supplementary Movie 1 Live cell imaging of ISCs^{3D-hIO} on Matrigel-coated surface for 12 h after seeding. Play speed: 1800 X.

Supplementary Movie 2 Live cell imaging of ISCs^{3D-hIO} on XF-DISC for 12 h after seeding. Play speed: 1800 X.

Supplementary Movie 3 Live cell imaging of ISCs^{3D-hIO} on Matrigel-coated surface for 23 h on day 2. Play speed: 1800 X.

Supplementary Movie 4 Live cell imaging of ISCs^{3D-hIO} on XF-DISC for 23 h on day 2. Play speed: 1800 X.

Supplementary Movie 5 Live cell imaging of ISCs^{3D-hIO} on Matrigel-coated surface for 23 h on day 7. Play speed: 1800 X.

Supplementary Movie 6 Live cell imaging of ISCs^{3D-hIO} on XF-DISC for 24 h on day 7. Play speed: 1800 X.

Supplementary Movie 7 Endoscopic movie of fibrin group in DSS-induced colitis.

Supplementary Movie 8 Endoscopic movie of XF-DISC group in DSS-induced colitis.