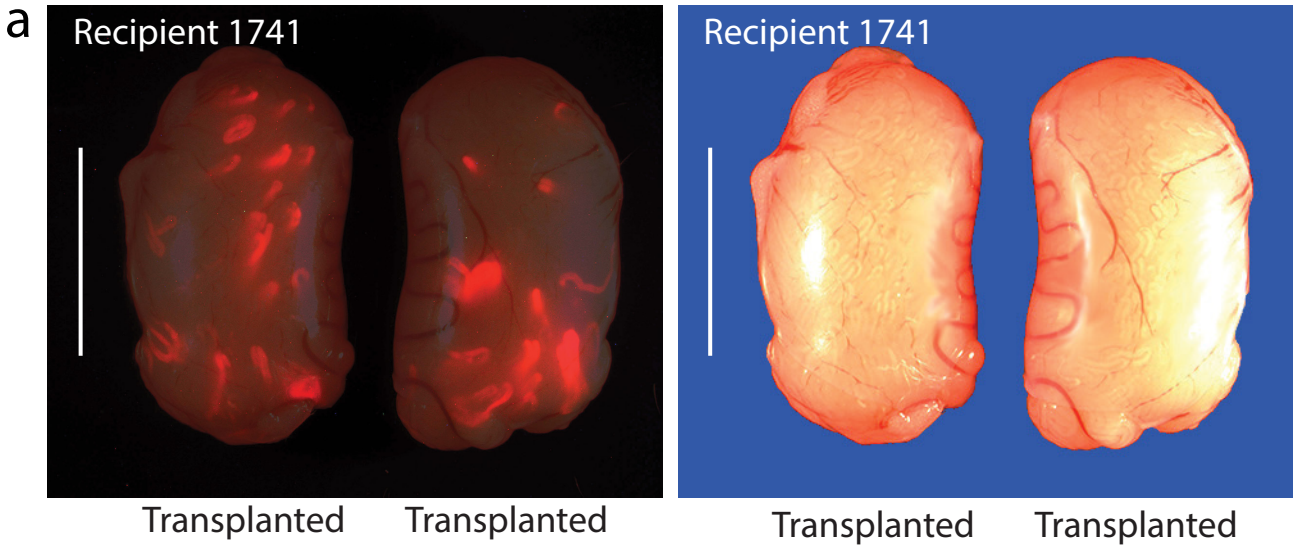
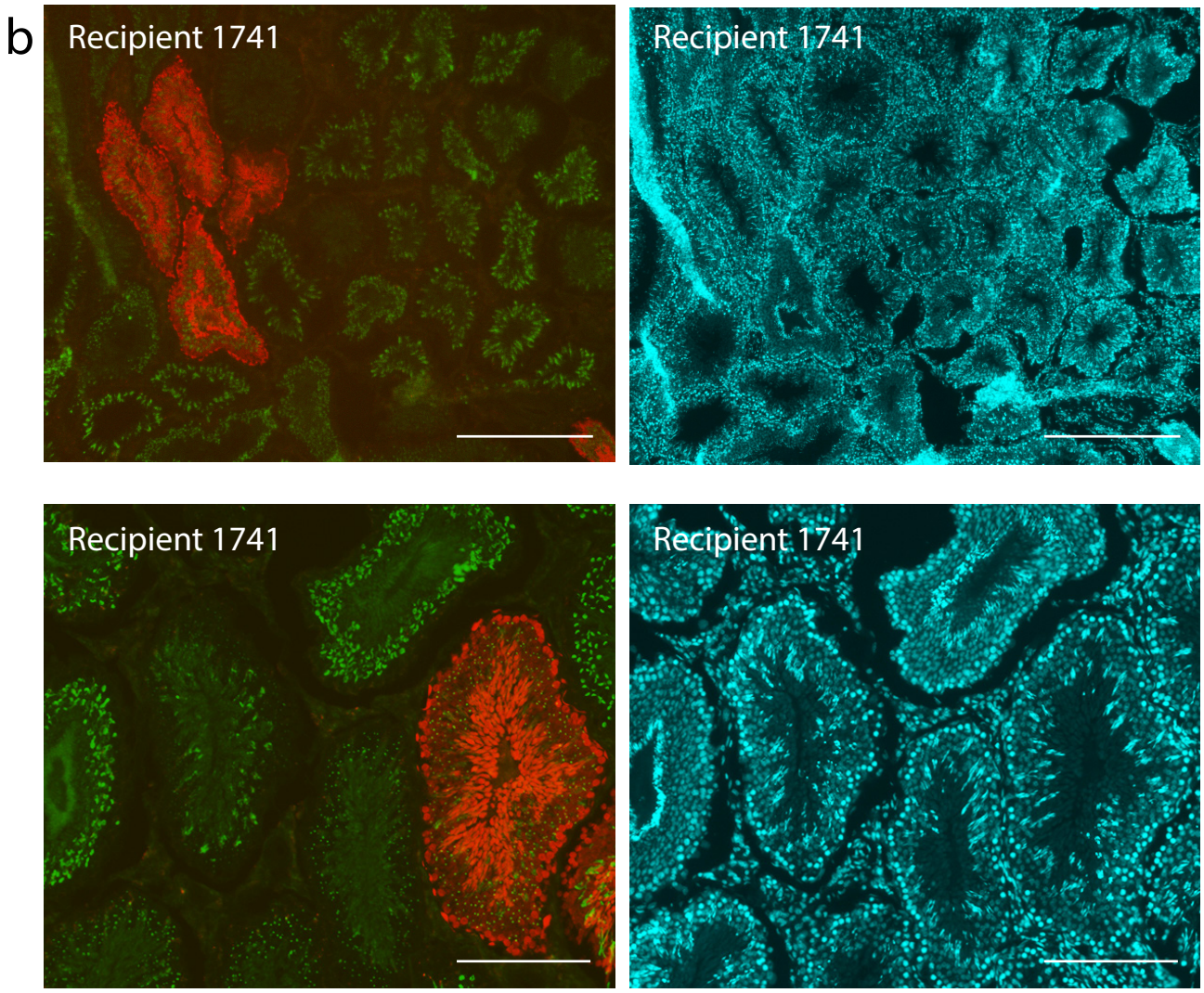
Figure S1





dtTOMATO PNA Lectin Hoechst 33342

Supplementary Figure S1. Donor derived spermatogenesis in allogenic, recipient Long Evans rats

a) Testes from Long Evans recipient rat 1741 ~8 mo after being transplanted with a Long Evans rat spermatogonial line at passage 5 following genetic modification with pSB*dtDazl*-dtTomato (donor spermatogonia population contained ~14.5% tdTomato$^+$ cells). Note: Red, tdTomato$^+$ seminiferous tubules. Scale, 1 cm.
b) Additional microscopic fields demonstrating donor derived spermatogenesis in representative testis sections prepared from Recipient 1741 at ~8 mo post-transplantation. Note, development of tdTomato$^+$ spermatids (Red, cytoplasmic germ cell marker) co-labeled with Hoeschet 33342 (Cyan, nuclear marker; *left panel*) and PNA (Green, acrosome marker; *right panel*). Also note, full spermatogenesis in seminiferous tubules colonized with tdTomato$^-$ cells. Scale 200 μm.