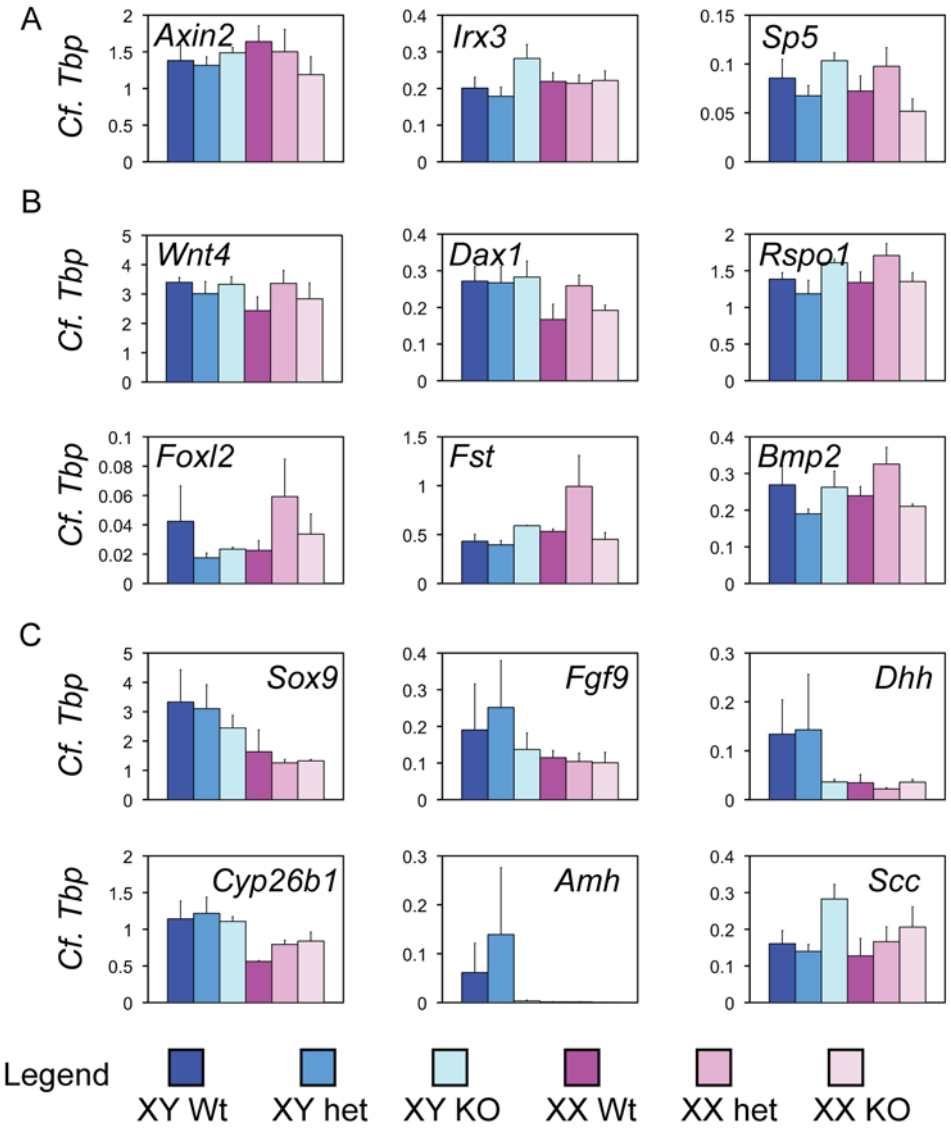
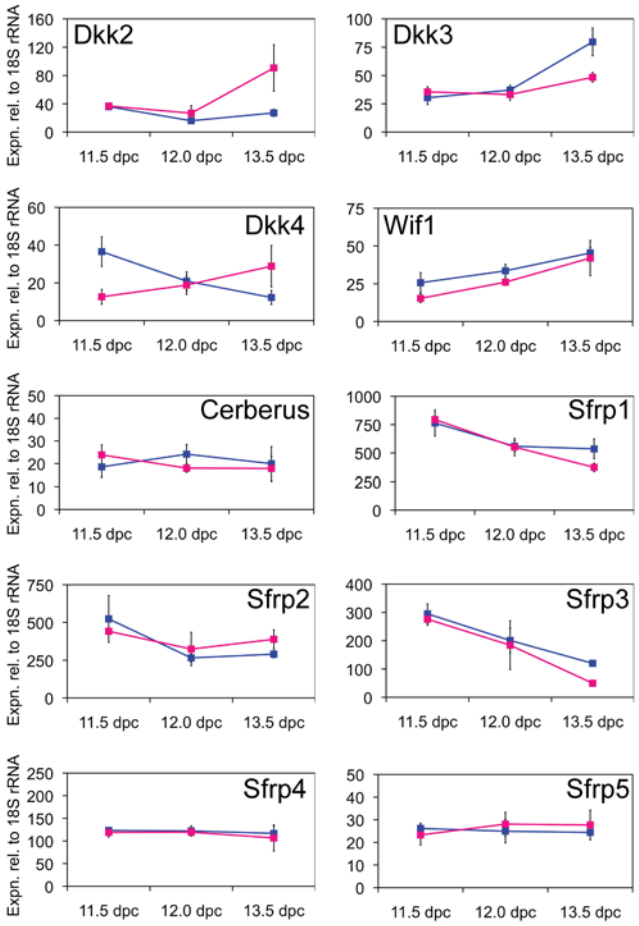


Supplementary Figure 1.
Testis development in the Dkk1 null appears normal with respect to expression of marker genes. qRT-PCR analysis of transcriptional targets of the canonical WNT pathway (A), markers of ovarian development (B) and markers of testicular development (C) in 11.5 dpc UGR samples from wild-type (Wt), heterozygous (het) and null (KO) Dkk1 embryos. Bars indicate the mean ± 1 SEM, n = 3, 3, 3, 2, 4, 3. Endogenous control Tbp (encoding TATA box binding protein) was used to normalize gene expression levels. Although no changes were significant, Amh and Scc were not up-regulated by 11.5 dpc in Dkk-null XY gonads, though they were in wild-type and Dkk1-heterozygous gonads. This did not seem to signify delayed testis development, however, since Dhh expression was actually higher at 11.5 dpc in the Dkk-null gonads: expression of these markers of testis development was quite variable among samples at 11.5 dpc.



Supplementary Figure 2.
Expression of WNT inhibitors in testis. Expression of Dkk2 (1420512_at), Dkk3 (1417312_at), Dkk4 (1425447_at), Wif (1425425_a_at), Cerberus (1450256_at), Sfrp (1448395_at), Sfrp2 (1448201_at), Sfrp3 (1416658_at), Sfrp4 (1451031_at), Sfrp5 (1426075_at), as detected by Affymetrix microarray screening.