## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Genes upregulated at least 2-fold in setdb1 GLKD ovaries.

File Name: Supplementary Data 2

Description: Genes upregulated at least 2-fold in wde GLKD ovaries.

File Name: Supplementary Data 3

Description: Genes upregulated at least 2-fold in hp1a GLKD ovaries.

File Name: Supplementary Data 4

Description: Genes downregulated at least 2-fold in setdb1 GLKD ovaries.

File Name: Supplementary Data 5

Description: Genes downregulated at least 2-fold in wde GLKD ovaries.

File Name: Supplementary Data 6

Description: Genes downregulated at least 2-fold in hp1a GLKD ovaries.

File Name: Supplementary Data 7

Description: Many of the genes ectopically expressed in setdb1 GLKD ovaries are normally

expressed in testis.

File Name: Supplementary Data 8

Description: Many of the genes ectopically expressed in wde GLKD ovaries are normally expressed

in testis.

File Name: Supplementary Data 9

Description: Many of the genes ectopically expressed in hp1a GLKD ovaries are normally expressed

in testis.