

Description of Additional Supplementary Files

File Name: Supplementary Movie1

Description: Representative video of Rett and Control *Xenopus laevis* tadpoles utilized for swimming behavior analysis

File Name: Supplementary Data 1

Description: The source data for Figure 1

File Name: Supplementary Data 2

Description: The source data for Figure 2

File Name: Supplementary Data 3

Description: The source data for Figure 3

File Name: Supplementary Data 4

Description: The source data for Figure 4

File Name: Supplementary Data 5

Description: The source data for Figure 5

File Name: Supplementary Data 6

Description: The source data for supplementary Table 1.

Genes that undergo significant change following MeCP2 knockdown compared to control.

File Name: Supplementary Data 7

Description: The source data for supplementary Table 3.

Cross-species network hubs.