## **Supporting Information**

## SILAC-MS profiling of reconstituted human chromatin platforms for the

## study of transcription and RNA regulation

Maggie M. Balas<sup>1,2,3</sup>, Allison M. Porman<sup>1,2,4</sup>, Kirk C. Hansen<sup>2</sup>, and Aaron M. Johnson<sup>1,2,3,4,5</sup>**\* 1** Molecular Biology Program; **2** Department of Biochemistry and Molecular Genetics; **3** RNA Bioscience Initiative; **4** Program in Cancer Biology; **5** Linda Crnic Institute for Down Syndrome, University of Colorado Denver Anschutz Medical Campus 12801 East 17<sup>th</sup> Ave., Aurora, CO, United States

\*Corresponding Author Aaron M. Johnson, PhD e-mail: <u>Aaron.m.johnson@ucdenver.edu</u> Tel: +1(303)724-3224

## List of Supporting Information Tables (separate spreadsheet files)

**Supplementary Table S1.** Gene Ontology analysis of all proteins enriched >1.5-fold in each of the Gal4-VP16 experiments. File contains three tabs. Tabs 1 and 2 contain GO analysis for the two label swap experiments, analyzing the Gal4-VP16 enriched protein ID list, list of proteins appears on the right. Green shading indicates transcription-related functions and gray shading indicates generic biological processes. Tab 3 represents a GO analysis of the proteins that had a ratio between 0.95-1.05 in the Light experiment, representing background proteins. All GO results with FDR <0.05 listed.

**Supplementary Table S2.** Gene Ontology analysis of the combined list of proteins enriched >1.5-fold in the two RepA-containing experiments (see Table 1). All GO results with FDR <0.05 listed.

**Supplementary Table S3.** Primer list for RNA Immunoprecipitation Reverse Transcription-qPCR analysis.

**Supplementary Table S4.** Full Protein ID list from Gal4-VP16 SILAC experiments with reproducible protein IDs and enrichments, light recombinant and contaminant proteins removed.

**Supplementary Table S5.** Full Protein ID list from RepA SILAC experiments with reproducible protein IDs and enrichments, light recombinant and contaminant proteins removed.