

1 **Supplementary Data**

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3 Supplementary Data files are available at <https://doi.org/10.6084/m9.figshare.14792223.v1> on
4 figshare.

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6 **Supplementary Data S1** (.txt): DESeq2 output for all transcript comparisons (20 months vs. 4
7 months) in the heart.

8

9 **Supplementary Data S2** (.txt): DESeq2 output for all transcript comparisons (20 months vs. 4
10 months) in the skeletal muscle.

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12 **Supplementary Data S3** (.txt): Correlation coefficients and R^2 between transcript-predicted
13 and empirical protein level data for 11,896 transcripts in CPTAC samples in the trained
14 model.

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16 **Supplementary Data S4** (.xlsx): Ionquant output label-free quantitative data of proteins in
17 the heart and the skeletal muscle

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19 **Supplementary Data S5** (.txt): DESeq2 output for all transcript comparisons (20 months vs. 4
20 months) in the kidney.

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