**Protein Phosphorylation and Expression across Nine Mouse Tissues**

This project contains data from a large-scale survey of protein expression and phosphorylation encompassing nine mouse tissues: brain, brown fat, heart, kidney, liver, lung, pancreas, spleen, and testis. Protein expression was surveyed by GeLC-MS, while protein phosphorylation was assessed via a combination of SCX-IMAC enrichment. Full details, including a complete analysis of the resulting data, are published in the following paper:

Huttlin, EL; Jedrychowski, MP; Elias, JE; Goswami, T; Rad, R; Beausoleil, SA; Villen, J; Haas, W; Sowa, ME; and Gygi, SP (2010) "A Tissue-specific Atlas of Mouse Protein Phosphorylation and Expression" *Cell* (in press).

Please cite this paper if you make use of this data for any purpose. Phosphorylation data were acquired in technical duplicates on an LTQ-Orbitrap mass spectrometer, while expression data were acquired in single replicates on an LTQ-Velos-Orbitrap mass spectrometer.

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**File Structure:**

Files are provided in two directories, corresponding to each of the two datasets: 'Phosphorylation' and 'Protein\_Expression'. Within each directory are nine folders corresponding to each tissue examined.