**Supplemental Table S1.** The aggregome of untreated or I-Hg-induced HEp-2 cells as identified by mass spectrometric analysis.

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| **HEp-2 ground state** |  | **HEp-2 4h I-Hg-induced** |
| **entry name** | **protein name** |  | **entry name** | **protein name** |
| ACTB\_HUMAN | Actin, cytoplasmic 1 |  | ANXA2\_HUMAN | Annexin A2 |
| ACTN4\_HUMAN | Alpha-actinin-4 |  | CH60\_HUMAN | 60 kDa heat shock protein, mitochondrial |
| CBX3\_HUMAN | Chromobox protein homolog 3 |  | DDX21\_HUMAN | Nucleolar RNA helicase 2 |
| H12\_HUMAN | Histone H1.2 |  | DDX3X\_HUMAN | ATP-dependent RNA helicase DDX3X |
| H2A2A\_HUMAN | Histone H2A type 2-A |  | DDX5\_HUMAN | Probable ATP-dependent RNA helicase DDX5 |
| H2B1H\_HUMAN | Histone H2B type 1-H |  | FLNA\_HUMAN | Filamin-A |
| H4\_HUMAN | Histone H4 |  | FLNB\_HUMAN | Filamin-B |
| K1C17\_HUMAN | Keratin, type I cytoskeletal 17 |  | FUS\_HUMAN | RNA-binding protein FUS |
| K1C9\_HUMAN | Keratin, type I cytoskeletal 9 |  | FUSIP\_HUMAN | FUS-interacting serine-arginine-rich protein 1 |
| K2C1\_HUMAN | Keratin, type II cytoskeletal 1 |  | G3P\_HUMAN | Glyceraldehyde-3-phosphate dehydrogenase |
| K2C8\_HUMAN | Keratin, type II cytoskeletal 8 |  | GRP75\_HUMAN | Stress-70 protein, mitochondrial |
| LMNA\_HUMAN | Lamin-A/C |  | H15\_HUMAN | Histone H1.5 |
| PLEC1\_HUMAN | Plectin-1 |  | H2AV\_HUMAN | Histone H2A.V |
| VIME\_HUMAN | Vimentin |  | H2B1B\_HUMAN | Histone H2B type 1-B |
|  |  |  | H2B1D\_HUMAN | Histone H2B type 1-D |
|  |  |  | H31\_HUMAN | Histone H3.1 |
|  |  |  | H33\_HUMAN | Histone H3.3 |
|  |  |  | HNRDL\_HUMAN | Heterogeneous nuclear ribonucleoprotein D-like |
|  |  |  | HNRH1\_HUMAN | Heterogeneous nuclear ribonucleoprotein H |
|  |  |  | HNRH3\_HUMAN | Heterogeneous nuclear ribonucleoprotein H3 |
|  |  |  | HNRPC\_HUMAN | Heterogeneous nuclear ribonucleoproteins C1/C2 |
|  |  |  | HNRPG\_HUMAN | Processed heterogeneous nuclear ribonucleoprotein G |
|  |  |  | HNRPK\_HUMAN | Heterogeneous nuclear ribonucleoprotein K |
|  |  |  | HNRPL\_HUMAN | Heterogeneous nuclear ribonucleoprotein L |
|  |  |  | HNRPQ\_HUMAN | Heterogeneous nuclear ribonucleoprotein Q |
|  |  |  | HNRPR\_HUMAN | Heterogeneous nuclear ribonucleoprotein R |
|  |  |  | HP1B3\_HUMAN | Heterochromatin protein 1-binding protein 3 |
|  |  |  | HSP7C\_HUMAN | Heat shock cognate 71 kDa protein |
|  |  |  | K1C18\_HUMAN | Keratin, type I cytoskeletal 18 |
|  |  |  | K2C7\_HUMAN | Keratin, type II cytoskeletal 7 |
|  |  |  | KPYM\_HUMAN | Pyruvate kinase isozymes M1/M2 |
|  |  |  | LMNB1\_HUMAN | Lamin-B1 |
|  |  |  | MATR3\_HUMAN | Matrin-3 |
|  |  |  | MYH9\_HUMAN | Myosin-9 |
|  |  |  | NPM\_HUMAN | Nucleophosmin |
|  |  |  | NUCL\_HUMAN | Nucleolin |
|  |  |  | PGK1\_HUMAN | Phosphoglycerate kinase 1 |
|  |  |  | PPIA\_HUMAN | Peptidyl-prolyl cis-trans isomerase A |
|  |  |  | RL18\_HUMAN | 60S ribosomal protein L18 |
|  |  |  | RL4\_HUMAN | 60S ribosomal protein L4 |
|  |  |  | RLA1\_HUMAN | 60S acidic ribosomal protein P1 |
|  |  |  | ROA1\_HUMAN | Heterogeneous nuclear ribonucleoprotein A1 |
|  |  |  | ROA2\_HUMAN | Heterogeneous nuclear ribonucleoproteins A2/B1 |
|  |  |  | RRS1\_HUMAN | Ribosome biogenesis regulatory protein homolog |
|  |  |  | RS5\_HUMAN | 40S ribosomal protein S5 |
|  |  |  | RS7\_HUMAN | 40S ribosomal protein S7 |
|  |  |  | SFPQ\_HUMAN | Splicing factor, proline- and glutamine-rich |
|  |  |  | SFRS1\_HUMAN | Splicing factor, arginine/serine-rich 1 |
|  |  |  | SFRS2\_HUMAN | Splicing factor, arginine/serine-rich 2 |
|  |  |  | SPTA2\_HUMAN | Spectrin alpha chain, brain |
|  |  |  | SPTB2\_HUMAN | Spectrin beta chain, brain 1 |
|  |  |  | TBB5\_HUMAN | Tubulin beta chain |
|  |  |  | TCP4\_HUMAN | Activated RNA polymerase II transcriptional coactivator p15 |
|  |  |  | THOC4\_HUMAN | THO complex subunit 4 |
|  |  |  | TPIS\_HUMAN | Triosephosphate isomerase |