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| **Table 2. Differential Gene Expression Region Overlaps** | | | |
| **Gene** | **Direction** | **Regions** | **Description** |
| *Zfp36* | Up | LH, DMH, ARC | zinc finger protein 36 |
| *Apcdd1* | Up | LH, DMH | adenomatosis polyposis coli down-regulated 1 |
| *Armh3* | Up | LH, ARC | armadillo-like helical domain containing 3 |
| *Clec2l* | Up | LH, DMH | C-type lectin domain family 2, member L |
| *Cpne1* | Up | LH, ARC | copine I |
| *Ebpl* | Up | LH, ARC | emopamil binding protein-like |
| *Ecpas* | Up | LH, ARC | Ecm29 proteasome adaptor and scaffold |
| *Entpd3* | Up | LH, DMH | ectonucleoside triphosphate diphosphohydrolase 3 |
| *Gpc1* | Up | LH, DMH | glypican 1 |
| *Ltbr* | Up | DMH, ARC | lymphotoxin B receptor |
| *Mrpl3* | Up | DMH, ARC | mitochondrial ribosomal protein L3 |
| *Mtmr10* | Up | LH, DMH | myotubularin related protein 10 |
| *Nek8* | Up | LH, ARC | NIMA (never in mitosis gene a)-related expressed kinase 8 |
| *Npr1* | Up | LH, DMH | natriuretic peptide receptor 1 |
| *Sprn* | Up | LH, DMH | shadow of prion protein |
| *Tchh* | Up | LH, ARC | trichohyalin |
| *Angptl4* | Down | LH, ARC | angiopoietin-like 4 |
| *Aopep* | Down | DMH, ARC | aminopeptidase O |
| *Ccdc18* | Down | LH, DMH | coiled-coil domain containing 18 |
| *Clk1* | Down | LH, DMH | CDC-like kinase 1 |
| *Fos* | Down | LH, ARC | FBJ osteosarcoma oncogene |
| *Hmgn5* | Down | LH, DMH | high-mobility group nucleosome binding domain 5 |
| *Icam2* | Down | LH, ARC | intercellular adhesion molecule 2 |
| *Med9* | Down | DMH, ARC | mediator complex subunit 9 |
| *Nek3* | Down | DMH, ARC | NIMA (never in mitosis gene a)-related expressed kinase 3 |
| *Nt5c2* | Down | LH, DMH | 5'-nucleotidase, cytosolic II |
| *Parp12* | Down | LH, ARC | poly (ADP-ribose) polymerase family, member 12 |
| *Pex12* | Down | LH, DMH | peroxisomal biogenesis factor 12 |
| *Rad23a* | Down | LH, DMH | RAD23 homolog A, nucleotide excision repair protein |
| *Rspry1* | Down | DMH, ARC | ring finger and SPRY domain containing 1 |
| *Smim15* | Down | LH, DMH | small integral membrane protein 15 |
| *Steap1* | Down | DMH, ARC | six transmembrane epithelial antigen of the prostate 1 |
| *Tent5a* | Down | DMH, ARC | terminal nucleotidyltransferase 5A |
| *Tut1* | Down | DMH, ARC | terminal uridylyl transferase 1, U6 snRNA-specific |

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| Table 2. Differential gene expression overlap analysis. Direction indicates if genes were up- or downregulated in socially stressed hamsters and in which regions. |