

Supplementary Table S2. Differentially expressed proteins in liver tissue of F3 generation animals derived from early embryos exposed to the combination of multiple ovulations, vitrification and embryo transfer (MOVET) and naturally-conceived (NC). The negative values are down-expressed proteins in the MOVET group, while the positive are up-expressed.

| Uniprot accession | Gene name | Fold change (Log2 MOVET/NC) |
|-------------------|--|--------------------------------|
| U3KPP4 | Cytochrome P450 2C30 | -3.78 |
| G1T1G8 | Periplakin | -3.60 |
| G1SRH7 | Serine and arginine rich splicing factor 3 | -2.08 |
| G1TYL5 | 2'-deoxynucleoside 5'-phosphate N-hydrolase 1 | -1.95 |
| A0A0A0MQQ2 | S100 calcium binding protein A12 | -1.95 |
| G1TN25 | Alpha-2-glycoprotein 1, zinc-binding | -1.91 |
| G1T7F1 | Histone H1.4 | -1.66 |
| G1TIS5 | Annexin A1 | -1.62 |
| P12345 | Glutamic-oxaloacetic transaminase 2 | -1.55 |
| G1SJS1 | Histone H2B type 2-E | -1.37 |
| G1U522 | Protein kinase camp-dependent type II regulatory subunit alpha | -1.27 |
| G1SMM7 | Small nuclear ribonucleoprotein D3 polypeptide | -1.21 |
| G1TC61 | Putative RNA-binding protein Luc7-like 2 | -1.07 |
| G1T7S1 | Aflatoxin B1 aldehyde reductase member 3 | -1.04 |
| G1TUX5 | Protein HP-25 homolog 2 | -1.01 |
| G1T5K6 | Translocase of outer mitochondrial membrane 40 like | -0.97 |
| G1TP83 | Histone H2B type 1 | -0.94 |
| B7NZF9 | Nucleophosmin | -0.93 |
| G1TN62 | 40S ribosomal protein S19 | -0.89 |
| G1TWP4 | Valyl-trna synthetase | -0.84 |
| G1T726 | Hydroxyacyl-coa dehydrogenase | -0.83 |
| G1TFX2 | Alpha-1-antitrypsin | -0.83 |
| G1SHI0 | Acetyl-coa acyltransferase 1 | -0.81 |
| G1SSN2 | Sirtuin 5 | -0.71 |
| G1SN67 | Serpin family B member 1 | -0.67 |
| G1U7L4 | Heat shock protein family A | -0.59 |
| G1T9I4 | Sorcin | -0.57 |
| G1TBU9 | Acetyl-coa acyltransferase 2 | -0.51 |
| G1SU01 | Nipsnap homolog 3A | -0.43 |
| G1TES6 | Hydroxysteroid 17-beta dehydrogenase 10 | -0.40 |
| G1T3Y8 | Heat shock protein family D | -0.27 |
| G1TU13 | 40S ribosomal protein S17 | -0.23 |
| G1T0L9 | Ribophorin I | -0.13 |
| G1TPR2 | Glucosamine-phosphate N-acetyltransferase 1 | 0.30 |
| G1SVP7 | Glutathione S-transferase omega 1 | 0.30 |
| G1TE35 | Nudix hydrolase 12 | 0.35 |

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| G1T3Z1 | Mannose binding lectin 2 | 0.40 |
| G1SVJ1 | Dihydropyrimidine dehydrogenase | 0.42 |
| G1TS42 | Amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase | 0.45 |
| G1SV60 | Transmembrane and coiled-coil domains 1 | 0.46 |
| G1SN14 | Cullin associated and neddylation dissociated 1 | 0.48 |
| G1TAH7 | Transketolase | 0.49 |
| G1U2K8 | Cytochrome P450-like | 0.51 |
| G1TCT8 | Major facilitator superfamily domain containing 9 | 0.53 |
| G1T6X2 | Cytochrome P450 2C15-like | 0.54 |
| G1U7D9 | Solute carrier family 27 member 5 | 0.57 |
| U3KLZ1 | Flavin containing monooxygenase 3 | 0.66 |
| G1SMY3 | 2-acylglycerol O-acyltransferase 2-B | 0.67 |
| G1TBR1 | NAD | 0.68 |
| G1T3H9 | Desmocollin 2 | 0.71 |
| G1U4I6 | Fatty acid amide hydrolase | 0.80 |
| G1SKJ7 | Glycine N-methyltransferase | 0.80 |
| G1TUC2 | CCHC-type zinc finger nucleic acid binding protein | 0.82 |
| G1TZE5 | Chromosome 13 open reading frame, human c1orf50 | 0.96 |
| G1TYM3 | Cytochrome P450, family 2, subfamily b, polypeptide 4 | 0.96 |
| G1TLX2 | Cytochrome P450 2C16 | 0.98 |
| G1T9T6 | Ethanolamine-phosphate phospho-lyase | 1.01 |
| G1T932 | Pipecolic acid and sarcosine oxidase | 1.03 |
| G1TI39 | Radixin | 1.03 |
| G1SL36 | Glycine decarboxylase | 1.04 |
| G1TR70 | Cytochrome P450 2C4 | 1.07 |
| U3KM06 | UDP-glucuronosyltransferase 2A3 | 1.14 |
| G1U9S0 | Cytochrome P450 2C2 | 1.20 |
| G1T0Z2 | Histone H2A type 1-A | 1.51 |
| G1SUM7 | ATP binding cassette subfamily C member 2 | 1.66 |
| G1SEE9 | Thyroid hormone responsive | 1.76 |
| G1TGH4 | Retinol saturase | 1.77 |
| G1TPC5 | Tumor protein D52 | 1.79 |
| G1ST24 | Acetyl-coa carboxylase beta | 2.05 |
| G1TTZ8 | Formimidoyltransferase cyclodeaminase | 2.13 |
| G1SZ66 | Mannose-P-dolichol utilization defect 1 | 5.80 |
