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<th>Protein</th>
<th>Abbreviated name (all listed are HUMAN)</th>
<th>Accession Code</th>
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<th>Reference</th>
<th>1st trimester</th>
<th>2nd trimester</th>
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<td>afamin</td>
<td>AFAM</td>
<td>P43652</td>
<td>up</td>
<td>up</td>
<td>2-D DIGE - MS/MS</td>
<td>serum</td>
<td>[17]</td>
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<td>2-D DIGE - MS/MS; 2-DE - MALDI-TOF/MS</td>
<td>serum; plasma</td>
<td>[17]; [11]</td>
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<td>alpha-1-acid glycoprotein 1</td>
<td>A1AG1</td>
<td>P02763</td>
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<td>2-D DIGE - MS/MS</td>
<td>serum</td>
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<td>alpha-1-microglobulin</td>
<td>AMBP</td>
<td>P02760</td>
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<td>[16]; [17]; [11]</td>
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**Table S1.** Potential biomarkers for DS identified by mass spectrometry-based 2DE-based proteomic studies.
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<th>Protein</th>
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<th>Protein Identification Method</th>
<th>Sample Type</th>
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<td>alpha-2-HS-glycoprotein</td>
<td>FETUA</td>
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<td>alpha-2-macroglobulin</td>
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<td>Apolipoprotein E</td>
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<td>up</td>
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<td>Basement membrane-specific heparin sulfate</td>
<td>P98160</td>
<td>up</td>
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<td>Basement membrane-specific heparin sulfate</td>
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<td>Ceruloplasmin</td>
<td>CERU</td>
<td>up</td>
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<td>serum</td>
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This paper
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<td>complement factor H</td>
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<td>FCN3</td>
<td>O75636</td>
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<td>P06396</td>
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<td>inter-alpha-trypsin inhibitor heavy chain</td>
<td>ITIH2</td>
<td>P19823</td>
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<td>ITIH4</td>
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<td>KNG1</td>
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<td>Pigment epithelium-derived factor</td>
<td>PEDF</td>
<td>P36955 up</td>
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<td>Serum amyloid A</td>
<td>SAA</td>
<td>P04278 up</td>
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<td>Serum amyloid P-component</td>
<td>SAMP</td>
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<td>Sex hormone-binding globulin</td>
<td>SHBG</td>
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<td>Splicing factor arginine/serine-rich 4</td>
<td>SFRS4</td>
<td>Q08170 up (only present in ds samples)</td>
<td>2-DE - MALDI-TOF/nano-MS/MS</td>
<td>Amniotic fluid</td>
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Identified biomarkers are given with SwissProt accession number, regulation in DS samples compared to Ctl samples (up = up-regulation in DS samples; down = down-regulation in DS samples compared to Ctl samples), MS methods, sample source and reference.

Summary of MS methods:

[16]: 2-DE – MALDI-TOF/nano-ESI-MS/MS
[17]: 2-D DIGE – MS/MS
[11]: 2-DE – MALDI-TOF/MS
This paper: 2-D DIGE – MALDI-TOF MS/ESI Q-TOF MS/MS