**Supplementary Table 4. Differences in expression of selected genes between embryonic disc and trophoblast as determined by microarray analysis and qPCR.**

<table>
<thead>
<tr>
<th>Name</th>
<th>Symbol</th>
<th>Fold Change&lt;sup&gt;a&lt;/sup&gt;</th>
<th></th>
<th>P-value for qPCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMP binding endothelial regulation</td>
<td>BMPER</td>
<td>26.0</td>
<td>1389.0</td>
<td>&lt;0.0001</td>
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<tr>
<td>Calpastatin</td>
<td>CAST</td>
<td>-2.1</td>
<td>-2.4</td>
<td>&lt;0.006</td>
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<tr>
<td>Claudin 11</td>
<td>CLDN11</td>
<td>36.0</td>
<td>205.0</td>
<td>&lt;0.0001</td>
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<tr>
<td>Fibroblast growth factor 2</td>
<td>FGF2</td>
<td>8.9</td>
<td>118.6</td>
<td>&lt;0.0001</td>
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<tr>
<td>GATA binding protein 5</td>
<td>GATA5</td>
<td>15.4</td>
<td>61.4</td>
<td>&lt;0.0001</td>
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<tr>
<td>Growth differentiation factor 3</td>
<td>GDF3</td>
<td>36.7</td>
<td>167.7</td>
<td>&lt;0.0001</td>
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<tr>
<td>Gap junction protein, gamma 1</td>
<td>GJC1</td>
<td>11.4</td>
<td>3.2</td>
<td>N.S.</td>
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<tr>
<td>IGF-like family member 1</td>
<td>IGFL1</td>
<td>20.0</td>
<td>39.4</td>
<td>&lt;0.0005</td>
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<tr>
<td>Nodal</td>
<td>NODAL</td>
<td>16.8</td>
<td>608.9</td>
<td>&lt;0.0001</td>
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<tr>
<td>Serpin peptidase inhibitor, clade A</td>
<td>SERPINA5</td>
<td>15.0</td>
<td>12.8</td>
<td>&lt;0.05</td>
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<td>Transmembrane protein with EGF-like and two follistatin-like domain</td>
<td>TMEFF1</td>
<td>11.1</td>
<td>11.3</td>
<td>&lt;0.0001</td>
</tr>
</tbody>
</table>

<sup>a</sup> Embryonic disc/trophoblast