**Table S1**

*Real-time PCR verification of miRNA expression.* Expression ratios (compared to control) of miR-466e-3p, miR-185-3p and miR-21-3p were measured by RT-PCR. Green values indicate miRNAs identified as upregulated in the SAM microarray analysis.

<table>
<thead>
<tr>
<th>miRNA</th>
<th>High-fat diet</th>
<th>Irradiated</th>
<th>High-fat diet, irradiated</th>
</tr>
</thead>
<tbody>
<tr>
<td>miR-466e-3p</td>
<td>4.22 (± 1.25)</td>
<td>6.21 (± 3.11)</td>
<td>0.41 (± 0.13)</td>
</tr>
<tr>
<td>miR-185-3p</td>
<td>1.71 (± 0.75)</td>
<td>1.33 (± 0.90)</td>
<td>0.17 (± 0.03)</td>
</tr>
<tr>
<td>miR-21-3p</td>
<td>0.75 (± 0.35)</td>
<td>4.41 (± 1.90)</td>
<td>0.50 (± 0.16)</td>
</tr>
</tbody>
</table>