**Additional Table 1.** Statistics after clustering all metagenomes with MEGAHIT$^{55}$.

<table>
<thead>
<tr>
<th>Data set</th>
<th>No. contigs</th>
<th>Total length (bp)</th>
<th>Max. length (bp)</th>
<th>N50</th>
<th>N90</th>
</tr>
</thead>
<tbody>
<tr>
<td>All contigs</td>
<td>327,964</td>
<td>219,615,560</td>
<td>144,829</td>
<td>723</td>
<td>335</td>
</tr>
<tr>
<td>Contigs &gt; 1kb</td>
<td>39,016</td>
<td>85,978,945</td>
<td>19,990</td>
<td>2,375</td>
<td>1,148</td>
</tr>
</tbody>
</table>