Supplementary data

Table S1 In silico evaluation results for the primers used in this study
*The $T_A$ (annealing temperature) was calculated using the NEB online tool.
**The Coverage was estimated using the SILVA TestProbe tool with the sSU-NR database version 123 and refers to the percentage of potentially covered taxa.

<table>
<thead>
<tr>
<th>Primer name</th>
<th>Sequence 5' – 3'</th>
<th>$T_A^*$</th>
<th>Coverage of domain [%]$^{**}$</th>
<th>Reference</th>
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<tr>
<td>515F</td>
<td>GTGCCAGCMGCCCGGTAA</td>
<td>52</td>
<td>Bacteria 88 Archaea 56 Eukarya 0</td>
<td>Caporaso et al. (2011)</td>
</tr>
<tr>
<td>806R</td>
<td>GGACTACHVGGGTWTCTAAT</td>
<td>67</td>
<td>Bacteria 82 Archaea 0 Eukarya 0</td>
<td>Watanabe et al. (2001)</td>
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<tr>
<td>341F</td>
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<td>56</td>
<td>Bacteria 0 Archaea 75 Eukarya 0</td>
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</table>

Table S2 Physico-chemical parameters of temperature, salinity, dissolved oxygen (DO), particulated (POC) and dissolved (DOC) organic carbon, sulfide (H$_2$S) and elemental sulfur (S$^0$) during the holomictic conditions in 1997 (obtained from Ciglenečki et al. 2005 and Bura-Nakić et al. 2009) and 2011 (obtained from Marguš et al. 2015 and Ciglenečki et al. 2015).

<table>
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<th>Depth [m]</th>
<th>Temperature [°C]</th>
<th>Salinity [psu]</th>
<th>DO [mg l$^{-1}$]</th>
<th>POC [mg l$^{-1}$]</th>
<th>DOC [mg l$^{-1}$]</th>
<th>H$_2$S [mM]</th>
<th>S$^0$ [µM]</th>
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ND – not determined
Fig. S1 Taxonomic structure of bacterial and archaeal assemblages in the euxinic water layers (chemocline and monimolimnion) obtained during the stratification in 2015 (Čanković et al. 2019) and during the holomictic event in 2016 (this study). Results are based on DNA 16S rRNA gene sequences by the same methodology.
REFERENCES:


