Table S2 Gamete differentiation in wild-type and transgenic Volvox strains

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| **Strain** | **Eggs1** | **Sperm packets1** | **MID transgene expression2** |
| AichiM | 0% (0/216) | 100% (216/216) | na |
| Eve | 100% (283/283) | 0% (0/283) | na |
| Eve::VcMID-BH | 0% (0/205) | 100% (205/205) | Yes |
| Eve::CrMID-BH#2 | 100% (189/189) | 0% (0/189) | Yes |
| Eve::MID-VNCC-BH #1 | 100% (186/186) | 0% (0/186) | Yes |
| Eve::MID-CNVC-BH #6 | 100% (231/231) | 0% (0/231) | Yes |

na, not applicable. 1, number of female spheroids with eggs or sperm packets out of total number spheroids examined. Note that no hermaphrodite phenotypes were observed. 2, detection of HA-tagged Mid protein in strain by Western blot.