



GATGTCGGAAAGTCAACAAATCCAGGAGATCTTCAACGAGAAGAACGACTGCGACTTCTCTACGCTGCCGACGCCTCTGACGTGCACTCAATCGCTACTCTCTTCAAGAGATATCTGCGAACTCTGAAGGAGACGGTGATCCC
 AGAGGAAGAGGCCAAGGAACTCATGTCGCTCACGCTGGCAGCAGATCACGAGGCGTCCGTGCCAAAGGTGAAGGAAACGCTGCAGAACTGCCAACTTTGAACCTCGACGTTCTCTATGTGCTCTTCAGATACTTCCAGCAGGT
 GCTCAAAACACAAAGATCTCAACAAGATGAGTATTGGCGCGCTGAGCGTGTGATGGCTCCCAACCTCACTCCTTTCGATGGTGCCAAGGAGATTGCTCGGAGCTGCTCATAATTACAAGTACTACTTTGAGGACGGCGAGAT
 AGTGGCGCGTAGTGCTCCAGGCTTGCCATTACGTAATCGGAACAATTTTCATAGATAATAATATCCAAGTCAAAAAAATACATTAAATTAATTAGTATCATGGACTCGAAGGCTGTAGGGGCTCTGTTGGCTACGAGGAGTA
 TCTTAGAAAAATAGATAGGATCGACTTAATCAATCATCAGCATTTTATTCTGCGAAAAATATAAAATATTTAATTTTTTCATGTTGCGCAGTCAGGTCCGATATATTTCCAGATCTCTACGTTGCACGCCATCAAAGTGCCCGA
 TAACGCGCCTACACTCGAGGAAATGCTGCTTGGCTCAGAAAATTAGGCAGGSCCTCGGGACACTAAAATCCGAGGCCCATAGAATTGCTAAGTCAACTTACGAGATACGACAAGCTTCGGAGCTCGAGTCCGAAAAAAA
 CCCAGAATACATTAACTAAGGCTTCTTGGGGGCAACACGTCAAGGTGGTGAAGGAGCAGACCCACATAGCGAACCCAGGAACCTCGTTTTTCACGCTCTCTGTGCCCGCGTCCGACTACTTCTGTGGCGTCTGCGCGTTCTC
 GAGACTGCCATCCAACAAACGTCCCAAGGCCTACTCTTCGAGGCCCTTTTCAGACTTGAAAGTCGTTAAGGTGAGGTGCGGAAAGGGTGGAATGGAG

Figure S7. Scheme and 5'-3' sequence of the PCR product used as a donor DNA for obtaining deletion of the *ADE2* gene in *Ogataea hagerorum*. Left and right recombination arms of the donor DNA and homologous sequences in the host genome are shown in blue and red, respectively. The sequences of the *OhADE2* locus unrelated to the recombination arms are shown in green on the scheme. The yellow arrow indicates position of the *OhADE2* ORF.