

Name	Forward primer	Reverse primer
Cloam0029	ATTATGGGAGCAAGATAATTGGTC	ATAGATAAGTCCATCCAAGTGACC
Cloam0031	AAGGAATTGGGAGATTGCTTTG	CTAAAAGTAAACCACCGATAATAGTG
Cloam0088	AATGTTAAGCGTAGAGGGATAAGG	GGCAAATATGGCTAAAAGGAATCC
Cloam0128	GCATCTATAAGTTCCATCTGATTATG	AGGCAAAACGATTATAACTATTTCTC
Cloam0165	CGGACTTCTTTTCTACAATGAAGG	TAATGCAGGATAGATACAGGGATG
Cloam0166	CCTGGTGCTATAGGATAGAAATATC	AGGCGATTCTAATGAAGAAAATAGC
Cloam0225	CCTTCTGATCCTGCTTCATCATG	GCTCCGGGAGTATGCCAAG
Cloam0246	CGAGTTAACCTCTTTTCTTCGTG	AATAGTAAGCCATTTGTCATTCTTG
Cloam0294	AATCAATTTGTGGGTTGTGTATAAC	TAAAGATAAAACCTGAAGCGAATATC
Cloam0295	GCATTGCTTTCAAATTAAGGTCTAC	CGGAATCCTGATTATTGATACTACC
Cloam0303	ATTATTTCCAAGCGTCATACACC	GGAATGATATGCAGATGAAAATGG
Cloam0314	GTTACCATCCAGCAGCAAACG	ATAATCATAGAAGAGGCGGTCTCTG
Cloam0336	AGCAACTTGAAATCCGATATTTCC	ATAAGGACAATAACGGCTGGTTC
Cloam0457	TACATCAAATTCTGTCTGTTCCCTC	CTCCAGTAGCCGCTGTTATG
Cloam0640	TTACCCGAACCTTGACTTGAATACC	TCTATCTTCACCCCTTCAACTCCTG
Cloam0816	TTTATCTATTGTAGGGCTAAGTGC	AATGGCTATCCTGGAAGTTAATTC
Cloam1552	CATTGCCACAGCATTTTTCAC	ATCGCCAAACAAATTAAGCCATC
Cloam1564	AGAAAACCACCAGTCATAGCC	AATGAATTGATTGGAGACAAAGTG
Cloam1711	CCCTTATTCAACCTTGCCTTATCC	ACTTCAATCTGCCAGTTTTCTCTC
Cloam0073-Cloam0074	CTTGACATTATTGACTGTATTCACAC	CTATTGCCAAGTTGCTTTAATGTG
Cloam0119-Cloam0121	AGAATGAAAATCTTGAGTCCTAACC	AGAGTCGTTGGTTTCGATTCC
Cloam0187-Cloam0188	ACAGGGATTTACAGATGAATTTAAC	AAAATGGCTTCACGGATGTAATTC
Cloam0261-Cloam0262	GTCGTTAGTATATGTCGTTCCCTACG	ATCAGTTCTTCCTTAATTGCATTGC
Cloam0283-Cloam0285	GGGTTGAGAAGGTTGAGAGG	TCGGGGATTTCATTTTAACGAG
Cloam0333-Cloam0334	AAACCACTCAACTACACTTCTATG	GCTATCTAAAGCTATCCTGATCAC
Cloam0528-Cloam0529	AAATCCTGTCATCCCACCAG	AATCCTGTTTCATCACCTACCTATTC
Cloam1312-Cloam1313	GAGATGCCCTCAGCTCTCTG	CGTAACACTTCCGTTGTCTCG
Cloam1474-Cloam1476	CAGCAATTAGTTCTACCGCATCC	TGGTTTCGACAGGGAATCAGAG
Cloam1554-Cloam_23S_1	ATACTCTGCGAAATCTGCGTAAAC	GATGGTACTGCACGGGCAAC
Cloam1567-Cloam1568	CAACCATCTAAACCTTATTTCCG	GTCAAATGGAAAACAAAAGTAGGG

Supplementary Table1. Sequence of the 30 "*Candidatus Cloacamonas acidaminovorans*" specific PCR primer sets used in this study.