



Figure 3.3: PCR Primers for the *sol* cluster in *C. beijerinckii* NRRL B593. Big arrows stand for the relevant genes and the small arrows stand for the primers. (Primer length is amplified to be visible)

The sequences of the primers are as below:

705: 5' - AACAATAATTCCAAAATAATAC - 3'

881: 5' - **CATGA**AATAAAGACACACTAATAC - 3' *

1370: 5' - GTATTTAACGGACACCCA - 3'

2260: 5' - CAAAGAAGATGTGTACTTGCCG - 3'

319: 5' - CGAAAGAATTCGTGCAGC - 3'

1265: 5' - AATTTTAAACAGATGCAGA - 3'

1485: 5' - AACATTATTTATCGAACT - 3'

R1207: 5' - TTTTATCTTCATACCTTCC - 3'

R166: 5' - CAATAGTGAAAGTTGTAAAT - 3'

R106: 5' - TTCAGGAGTTCACAATC - 3'

R1107: 5' - TCCTGTATGTTGCATTGCCA - 3'

R1335: 5' - TAAAATAGAATGATTTAGAT - 3'

R1982: 5' - CAAGCACCGTGGATAGTT - 3'

- **ATG in bold is the start codon of the *ald* gene**

Primer 705 and R1207 were paired to generate the *ald* probe. Primer 319 and R1107 were paired to generate the *ctf* probe. Primer 1485 and R2246 were paired to generate the *adc* probe. Other primers were used later in PCR to confirm the identity of the clones