

These alternative primers were designed by Emily Jackson based on a more comprehensive range of *Cronobacter* species strains which had been whole genome sequenced, than the original set by Baldwin.

They are particularly useful for *glnS* sequencing, which can be problematic due to the polymerase enzyme skipping a 'G' in one direction. This can cause confusion.

For PCR amplification

*glnS*

*glnS*-F GCATCTACCCGATGTACG

*glnS*-R-NEW TGTCACCGTTTGCATGGC

*gltB*

*gltB*-F-NEW CGTGATGCTGAACTACCG

*gltB*-R CAGCACTTCCACCAGCTC

*gyrB*

*gyrB*-F TGCACCACATGGTATTCG

*gyrB*-R-NEW TGATCATCTTTCTGCGCGC

*ppsA*

*ppsA*-F GTCCAACAATGGCTCGTC

*ppsA*-R-NEW CATCATCTCGCGGATCTG

For sequencing

*glnS*

*glnS*-F-S GGGTGCTGGATAACATCA

*glnS*-R-S-NEW CAGACGCTTGTACTGCTT

All sequences are 5' --> 3'