## Supplementary File 3. Oligonucleotides used in the study

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| --- | --- | --- |
| **Name** | **Sequence (5’ to 3’)** | **Description** |
| ***Strain construction/Cloning*** | | |
| qTLC1-F | caaatgtgccccgtacatcga | To amplify *TLC1-[MS2-IN]* cassette |
| TLC1 AvaI-R | cctatcagtaacactcggggaagg |
| YV395\_KAP122\_F1 | ttgaataccatagtaactagtctcttattcttagtttttgAGATTGTACTGAGAGTGCAC | To amplify *kap122::kanMX4* cassette |
| YV396\_KAP122\_R1 | aagaatagccttcaccctcagcggagaaattcttaacaaaCTGTGCGGTATTTCACACCG |
| *rrp6Δ*\_for | catctgaagatagacgaaataggaacaacaaacagcttataagcacccaaAGATTGTACTGAGAGTGCAC | To amplify *rrp6::kanMX4* cassette |
| *rrp6Δ*\_rev | gggagccataactccatgacacagatattcgattagatgaatttagaggtCTGTGCGGTATTTCACACCG |
| YV518\_MEX67-237 | ccatgcccacttgcctttcgtagagg | To amplify *mex67-5-kanMX6* cassette |
| YV519\_MEX67+278 | ttggtactctgattccggagcctggc |
| ***Southern/northern blotting*** | | |
| TLC1-AflII-F | cctttcttaagcatcggttagg | To amplify TLC1-specific probe for Southern blot (with TLC1 AvaI-R) |
| CEN4 probe-F | atgctgtctcaccatagagaat | To amplify CEN4-1.5 kb probe for recombination Southern blot |
| CEN4 probe-R | cgctcctaggtagtgcttt |
| TLC1 RT-F2 | agaacgtcagggaacatgagt | To amplify TLC1-specific probe for northern blot |
| TLC1 RT-R2 | tgtacggggcacatttgga |
| non-aminoallyl MS2 | tgggtgatcctcatgttttctagagtcgacgtgcagacatgggtgatcctcat | Oligonucleotide MS2-specific probe for northern blot |
| U1 | agcgcatgtttgatcagtagg | Oligonucleotide U1-specific probe for northern blot |
| Ch IV-R | ctcattcgaatccatacgacc | To amplify CEN4-1.6 kb probe for teloblot |
| Ch IV-L | gtacctcggtttagttaagcg |
| ***FISH*** | | |
| TLC1-11 | t\*gcgcacacacaagcat\*ctacactgacaccagcat\*actcgaaattctt\*tg | Oligonucleotide TLC1-specific FISH probes |
| TLC1-21 | ct\*aataaacaatt\*agctgtaacatt\*tgtgtgtggggt\*gtggtgatggt\*aggc |
| TLC1-31 | tt\*ccagagttaacgat\*aagatagacat\*aaagtgacagcgct\*tagcaccgt\*c |
| TLC1-41 | ttacgt\*tcttgatctt\*gtgtcattgtt\*cagttactgat\*cgcccgcaaacct\* |
| TLC1-51 | tgcat\*cgaaggcat\*taggagaagt\*agctgtgaat\*acaacaccaagat\*tca |
| MS22 | t\*gggtgatcctcatgtt\*ttctagagtcgacgt\*gcagacatgggtgatcct\*cat | Oligonucleotide MS2-specific FISH probe |
| ***RT-ddPCR, qPCR*** | | |
| TLC1.AB.qsc.F3 | ccaagcggaaggaaccgtgt | To detect untagged TLC1 |
| TLC1.A.lna.qsc.R4 | c^c^aa^a^aa^ttatctaaatgcatataac |
| TLC1.B.qsc.R1 | gtgatcctcatgtttctggccatataac | To detect tagged TLC1-MS2 (with TLC1.AB.qsc.F3) |
| TLC1.AB.qsc.F1 | cggttaggtttgcgggcgat | To detect total TLC1 |
| TLC1.AB.qsc.R1 | acacggttccttccgcttgg |
| TLC1\_G\_for1 | ttaggtttgcgggcgatcagt | For ChIP at the *TLC1* locus |
| TLC1\_G\_rev1 | acggttccttccgcttggaaa |
| U1 RT F2 | ttggtcacacacacatacgg | For ChIP at the *U1* locus |
| U1 RT R2 | ggtgtcaaacttctccaggc |

1 (Gallardo *et al.*, 2008)

2 (Bajon, Laterreur and Wellinger, 2015)

\* - aminoallyl modified-T conjugated to the Cyanine dye

^N - locked nucleic acid (LNA)

## References

Bajon, E., Laterreur, N. and Wellinger, R. J. (2015) ‘A Single Templating RNA in Yeast Telomerase’, *Cell Reports*. The Authors, 12(3), pp. 441–448. doi: 10.1016/j.celrep.2015.06.045.

Gallardo, F. *et al.* (2008) ‘TLC1 RNA nucleo-cytoplasmic trafficking links telomerase biogenesis to its recruitment to telomeres’, *EMBO Journal*, 27(5), pp. 748–757. doi: 10.1038/emboj.2008.21.