## Table S3.

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| --- | --- | --- | --- |
| Primer sequence (5’-3’) | Name | Primer sequence (5’-3’) | Name |
| Cloning |
| 1. TTTTTGCTAGCATGGAGGATAAGCA- AGAAACTTGTCCCAAG2. TTTTTGGATCCTTAATGGTGATGGTG- ATGGTGATGGTGATACTGAAAGCATA -TTAAAGGAAGATTC3. TTTTTGGTACCCCTTTCTTCCGAACT- CATTCACCG4. TTTTTGCTAGCGACTGGACAACGCC- AAGGGCGCTG | ZB4NheI-FZB4BamHI-RVIM-FVIM-R | 5. TTTTTGGTACCATCTATATATATAGTCTCGC- TCTGTC6. TTTTTGCTAGCCACCCCCCTCTGAGTCCTC- TTATAG7. TTTTTGGTACCAGACAGAGTCTTGGTCTG-TTGC8. TTTTTGCTAGCTATGGAAAGCCCTGTCCC- CGAC | BLUE-F BLUE-RGREEN-FGREEN-R |
| CASTing |
| 9. CAGGTCAGTTCAGCGGATCCTGTCG- NNNNNNNNNNNNNNNNNNNNNNNN- NNAGGCGAATTCAGTGCAACTGCAGC | CASTrandom | 10. GGTCAGTTCAGCGGATCCTGTC11. GCTGCAGTTGCACTGAATTCGC | CAST-FCAST-R |
| EMSA |
| 12. AAAAAAAAAAAAAAAAAAAA13. CCCCCCCCCCCCCCCCCCCC14. GGGGGGGGGGGGGGGGGGGG15. TTTTTTTTTTTTTTTTTTT16. YYYYYYYYYYYYYYYYYYYY17. WWWWWWWWWWWWWWWWWWWW18. MMMMMMMMMMMMMMMMMMMM19. RRRRRRRRRRRRRRRRRRRR20. SSSSSSSSSSSSSSSSSSSS21. KKKKKKKKKKKKKKKKKKKK22. NNNNNNNNNNNNNNNNNNNN23. AAAAAGGGGCGGGGCAAAAA24. AAAAATGGGCGGAATAAAAA25. AAAAAAAAGGGAAAAAAAAA26. AAAAAAAAGGGGAAAAAAAA27. AAAAAAAGGGGGAAAAAAAA | A20C20G20T20Y20W20M20R20S20K20N20GC-box1GC-box2G3G4G5 | 28. AAAAAAGGGGGGAAAAAAAA29. AAAAAAGGGGGGGAAAAAAA30. AAAAAAGGGGGGGGAAAAAA31. AAAAAAGGGGGGGGGAAAAA32. AAAAAGGGGGGGGGGAAAAA33. AAAAAGGGGGGGGGGGAAAA34. AAAAGGGGGGGGGGGGAAAA35.AAAGGGGGGGGGGGGGAAAA36. AAAGGGGGGGGGGGGGGAAA37. AAGGGGGGGGGGGGGGGAAA38. AAGGGGGGGGGGGGGGGGAA39. AAGGGGGGGGGGGGGGGGGA40. AGGGGGGGGGGGGGGGGGGA41. GGGGGGGGGGGGGGGGGGGA42. UUUUUrGrGrGrGrGrGrGrGrGrGUUUUU43. UUUUUrCrCrCrCrCrCrCrCrCrCUUUUU | G6G7G8G9G10G11G12G13G14G15G16G17G18G19rG10rC10 |
| According to the IUPAC nucleotide ambiguity codes, A=adenine, C=cytosine, G=guanine, T=thymine, U=uracil, K=G or T, M=A or C, N=A or C or G or T, R=A or G, S=C or G, W=A or T, Y= C or T. |

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