Table S1

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| Electromobility shift and ChIP assay probes and primers |
| Name | Sequence | 5’ biotin  |
| Gel shift assay | p1 | WT | For | GTGGTCCGGGGGCGGAGCCAGAAGT | Yes |
| Rev | ACTTCTGGCTCCGCCCCCGGACCAC | Yes |
| M1 | For | GAATTCCGGGGGCGGAGCCAGAAGT | Yes |
| Rev | ACTTCTGGCTCCGCCCCCGGAATTC | Yes |
| M2 | For | GTGGAATTCGGGCGGAGCCAGAAGT | Yes |
| Rev | ACTTCTGGCTCCGCCCGAATTCCAC | Yes |
| M3 | For | GTGGTCCGAATTCGGAGCCAGAAGT | Yes |
| Rev | ACTTCTGGCTCCGAATTCGGACCAC | Yes |
| M4 | For | GTGGTCCGGGGAATTCGCCAGAAGT | Yes |
| Rev | ACTTCTGGCGAATTCCCCGGACCAC | Yes |
| M5 | For | GTGGTCCGGGGGCGGAATTCGAAGT | Yes |
| Rev | ACTTCGAATTCCGCCCCCGGACCAC | Yes |
| M6 | For | GTGGTCCGGGGGCGGAGCCGAATTC | Yes |
| Rev | GAATTCGGCTCCGCCCCCGGACCAC | Yes |
| p2 | WT | For | AAGTCCGGGGCGGGGCCGCGTCTCG | Yes |
| Rev | CGAGACGCGGCCCCGCCCCGGACTT | Yes |
| M1 | For | AAGTGAATTCCGGGGCCGCGTCTCG | Yes |
| Rev | CGAGACGCGGCCCCGGAATTCACTT | Yes |
| M2 | For | AAGTCCGGGGGAATTCCGCGTCTCG | Yes |
| Rev | CGAGACGCGGAATTCCCCCGGACTT | Yes |
| M3 | For | AAGAATTCGGCGGGGCCGCGTCTCG | Yes |
| Rev | CGAGACGCGGCCCCGCCGAATTCTT | Yes |
| M4 | For | AAGTCCGGAATTCGGCCGCGTCTCG | Yes |
| Rev | CGAGACGCGGCCGAATTCCGGACTT | Yes |
| M5 | For | AAGTCCGGGGCGGAATTCCGTCTCG | Yes |
| Rev | CGAGACGGAATTCCGCCCCGGACTT | Yes |
| M6 | For | AAGTCCGGGGCGGGGGAATTCCTCG | Yes |
| Rev | CGAGGAATTCCCCCGCCCCGGACTT | Yes |
| p3 | WT | For | GCGTCTCGTGGGCGGGGTCGCGTCT | Yes |
| Rev | AGACGCGACCCCGCCCACGAGACGC | Yes |
| M1 | For | GAATTCCGTGGGCGGGGTCGCGTCT | Yes |
| Rev | AGACGCGACCCCGCCCACGGAATTC | Yes |
| M2 | For | GCGTGAATTCGGCGGGGTCGCGTCT | Yes |
| Rev | AGACGCGACCCCGCCGAATTCACGC | Yes |
| M3 | For | GCGTCTCGAATTCGGGGTCGCGTCT | Yes |
| Rev | AGACGCGACCCCGAATTCGAGACGC | Yes |
| M4 | For | GCGTCTCGTGGAATTCGTCGCGTCT | Yes |
| Rev | AGACGCGACGAATTCCACGAGACGC | Yes |
| M5 | For | GCGTCTCGTGGGCGGAATTCCGTCT | Yes |
| Rev | AGACGGAATTCCGCCCACGAGACGC | Yes |
| M6 | For | GCGTCTCGTGGGCGGGGTCGAATTC | Yes |
| Rev | GAATTCGACCCCGCCCACGAGACGC | Yes |
| p4 | WT | For | CGTCTCGTGGGCGGGGCCGCGTCTC | Yes |
| Rev | GAGACGCGGCCCCGCCCACGAGACG | Yes |
| M1 | For | CGTCTCGTGAATTCGGCCGCGTCTC | Yes |
| Rev | GAGACGCGGCCGAATTCACGAGACG | Yes |
| M2 | For | GAATTCGTGGGCGGGGCCGCGTCTC | Yes |
| Rev | GAGACGCGGCCCCGCCCACGAATTC | Yes |
| M3 | For | CGTCGAATTCGCGGGGCCGCGTCTC | Yes |
| Rev | GAGACGCGGCCCCGCGAATTCGACG | Yes |
| M4 | For | CGTCTCGGAATTCGGGCCGCGTCTC | Yes |
| Rev | GAGACGCGGCCCGAATTCCGAGACG | Yes |
| M5 | For | CGTCTCGTGGGAATTCCCGCGTCTC | Yes |
| Rev | GAGACGCGGGAATTCCCACGAGACG | Yes |
| M6 | For | CGTCTCGTGGGCGGGGAATTCTCTC | Yes |
| Rev | GAGAGAATTCCCCGCCCACGAGACG | Yes |
| Sp1A | For | TCTTGCCCCACCTCCATAGTTCTTATAGCC | No |
| Rev | GGCTATAAGAACTATGGAGGTGGGGCAAGA | No |
| Sp1B | For | TTATAGCCACACCCTGCAAGGAAAA | No |
| Rev | TTTTCCTTGCAGGGTGTGGCTATAA | No |
| ChIP | Mina P1 promoter | For | CCGATGGAGTACAAGCACTCTCTCAA | No |
| Rev | GCTCTGGCCTATGAACCTAAAGGT | No |
| Mina intron 2 | For | TGCAGAGTCCTCTCCAATTCCACA | No |
| Rev | AAGCAGCACAAACAAGGGATGGAC | No |