**Table S6:** Primer list

|  |  |
| --- | --- |
| Primer | Sequence 5’-3’ |
| Ros1-mCherry-HA fusion | |
| mcherry\_NotR | CTATGCGGCCGCTTAAGCGTAATCTGGAACATCGT |
| mcherry\_EcoF | CTATGAATTCAAGGGCGAGGAGGATAACATGG |
| ros1\_XmaF | CTATCCCGGGATGGGTTCACACCAAGCTGCTA |
| ros1\_EcoR | CTATGAATTCCGGCACAGGTCTCGTCAACAC |
| *ros1* deletion | |
| Dros1LB\_F | GTGGAAGCTTGCTGGTCCGATCTTCATTTAGCGT |
| Dros1LB\_R | CAGGCCTGAGTGGCCAGGGATTGGGCCTGAAACAGAAAG |
| Dros1RB\_F | CAGGCCATCTAGGCCGTGACCGTCCCAATCTGTACTAAC |
| Dros1RB\_R | GTGTCTAGATCACGACTGACAACTGTGACAAGC |
| Dros1\_F | TCTGCATTCGATTCCACCTTGCTC |
| Dros1\_R | GCTTGGCAGGCAATCACAGAAT |
| *UMAG\_02775* deletion | |
| D02775LB\_F | GTAACGCCAGGGTTTTCCCAGTCACGACGCCTTAGGAAGATTGTCCCGTCTGTCTCGAAAC |
| D02775LB\_R | CGATGATAAGCTGTCAAACATGAGGCCTGAGTGGCCTCGAGGGCGTTTCAAGCTGAATCCG |
| D02775RB\_F | ACTCGCTGGTAGTTACCACGTTCGGCCATCTAGGCCCCATCTGCAACGCGACACGAGACT |
| D02775RB\_R | GCGGATAACAATTTCACACAGGAAACAGCCCTAAGGACTGGTGCTGTTCACGCTGCTGCTCA |
| *UMAG\_01390 deletion* | |
| D01390LB\_F | GTAACGCCAGGGTTTTCCCAGTCACGACGCCTTAGGCACCAACTTAGCTCCTTCCGCTTT |
| D01390LB\_R | CGATGATAAGCTGTCAAACATGAGGCCTGAGTGGCCAAGACGAGGTCGAAGACTAGCGAA |
| D01390RB\_F | ACTCGCTGGTAGTTACCACGTTCGGCCATCTAGGCCGGCTGTCATCTAGCGTTCTTCTCG |
| D01390RB\_R | GCGGATAACAATTTCACACAGGAAACAGCCCTAAGGGACGCACAGGAAGCAAAGCGAATCA |
| Δros1 Complementation | |
| Cros1\_F | GGTCCCATATGTCTGCATTCGATTCCACCTTGCTC |
| Cros1\_R | TTTGCGGCCGCTTGCTACGTTCACGGTCGCTTTT |
| Cros1\_KpnF | TAGTGGTACCTGGCTCTCGACATTCAGTCCTTG |
| Cros1\_SbfR | GACTCCTGCAGGCGTCAGCGGACTGTTGAAATGTAA |
| Cros1\_SbfF | GACTCCTGCAGGCTGCACGGCCGACGATCTTTT |
| Cros1\_NotR | CATTGCGGCCGCTCACGGCACAGGTCTCGTCAACAC |
| TOPOros1\_mF | CCAAGCTAGTGGTACTGCGCTCTCTCGCTCT |
| TOPOros1\_mR | AGAGCGAGAGAGCGCAGTACCACTAGCTTGG |
| p123Bsu\_F | ACATCTTCAGTCGCCTGAGGAGCGTCGTCGA |
| p123Bsu\_R | TCGACGACGCTCCTCAGGCGACTGAAGATGT |
| ΔUMAG\_02775 complementation | |
| P02775\_F | GATCGGTACCAAATCTGCTTTCCAACTGGATTCG |
| P02775\_R | GATCGGGCCCGATTTGCATGAACTGCTTCGTC |
| orf02775\_F | GATCGGGCCCATGTCGTTGTCATCAACAAGCTA |
| orf02775\_R | GATCGCGGCCGCTCAAATGATGCTGCGGATGTCCA |
| ΔUMAG\_01390 complementation | |
| C01390\_F | GATCGGTACCCACCAACTTAGCTCCTTCCGCTTT |
| C01390\_R | GATCGGGCCCTCAGGCTTCGAGACCGTTGCTGCTT |
| *ros1* expression pattern | |
| ros1\_qF | TGTCGAGATCGGTCCAGATGGAAT |
| ros1\_qR | CTAGCAGGTCTGCCAAGTGTATCA |
| ppi-qF | ACATCGTCAAGGCTATCG |
| ppi-qR | AAAGAACACCGGACTTGG |
| Transcription factor genes expression pattern | |
| 02775\_qF | ACAGCCAGTTCGCATCTTGA |
| 02775\_qR | AGTTGCGATGAGCTGTCGAT |
| 01390\_qF | AAGAGCAAAGCTGGCAGGAA |
| 01390\_qR | TTGGGAGCATCCTCGCTTTT |
| Tup1\_qF | TGCGCAGATCTTTGACACCA |
| Tup1\_qR | AGCTCCCGTAGCCAAACATT |
| Rum1\_qF | CAAAATGCGCAAGGCGATCA |
| Rum1\_qR | CTTTGCCTTGGCAACCACTT |
| Ust1\_qF | ACGTCAATCGGCTCCGATCT |
| Ust1\_qR | TGCGAGCTCCGTTCACCAAT |
| Hgl1\_qF | TCATCGAACAGGCACGCAAA |
| Hgl1\_qR | AGATGGTTGGCCAAGACTGT |
| RNAseq validation | |
| 05550\_qF | ACCAGTGGGATCTGCTCAAA |
| 05550\_qR | ACCATGGTCGAAACCGTTCT |
| 04503\_qF | GCCAAAGCGATTCTGCTCAA |
| 04503\_qR | ACCAGCGTGAAGGTCAAAGT |
| 02212\_qF | ACGTACATCGCACTTGAAGC |
| 02212\_qR | TGCATCGGGATCAACGCAAA |
| 01070\_qF | TCCATGACGCCTACTTTGCT |
| 01070\_qR | TCGAACAAAGGCCAGGTGAA |
| Pks1\_qF | TCGGTGATTAAGGCTGTGCT |
| Pks1\_qR | AAAGATGAACCGGCGCAGAT |
| 04101\_qF | ATTCCGTCTTGCCTTGGCAT |
| 04101\_qR | AAGACTGTCGAGGACTGCAT |
| biz1\_qF | GGATCAGCCAAATGATGGACAG |
| biz1\_qR | TACTCTCGCATCTCTTCCACTC |
| rbf1\_qF | AGTACGAGCTACGACGGATTC |
| rbf1\_qR | GGGTAGGTGTTGGACACATTC |
| fox1\_qF | TTCGTTCGCATCTCCAATCC |
| fox1\_qR | TTGTCGCTGATCGCATTCTG |
| mig2-3\_qF | AAGACGGACATCCTTTGCCT |
| mig2-3\_qR | ACCTGCATACATGCACCTCT |
| 04096\_qF | AGGCTACGATCGCCAACATT |
| 04096\_qR | TTTGGCGCCATCAACTGGTA |
| dik1\_qF | TGCAAATCCACGTCGCACTT |
| dik1\_qR | AACGCGGTTCCACATGTTGC |
| 02473\_qF | ATGGCTACAGCACCCTCAAA |
| 02473\_qR | TGCCAGGCGTTCGGATATTT |
| 03046\_qF | GACGCGGTTCTCAAAACTCT |
| 03046\_qR | AGTCCAGTGCAAGTTGGTGA |
| Fungal biomass | |
| gapdh\_qF | CTTCGGCATTGTTGAGGGTTTG |
| gapdh\_qR | TCCTTGGCTGAGGGTCCGTC |
| Membrane marker | |
| MCsso1\_NcoF | AATTCGATCCCATGGTGAGCAAG |
| MCsso1\_HpaR | CAATGTTAACGCGCGCCCTTGATCTGCAACA |
| Psso1\_kpnF | CATGGGTACCCTATGTCTCGGTCGCAGCTTTTC |
| Psso1\_NcoR | CATGCCATGGGCGTTTCTTGGGTGCAAAATGTT |
| Nuclear marker | |
| Pnup\_F | ATGTGGCTTACAAGCATTTCTGGA |
| Tnup\_R | TGTGAAGAGATGGTCGCAGAGCTA |
| *ros1* ectopic expression | |
| crg-ros1LB\_F | GTTCCATGGTCTGCATTCGATTCCACCTTGCTC |
| crg-ros1LB\_R | GTTGAATTCGTTTGTCTGCCTTGGTCGAAGCTTT |
| crg-ros1RB\_F | GTTCATATGATGGGTTCACACCAAGCTGCTACT |
| crg-ros1RB\_R | GTTCCATGGTAGGCATTCCATCTGGACCGATCT |
| Pmig2-6\_NdeF | CAATCATATGCTATTGCATCGTAGGCATTG |
| Pmig2-6\_XmaR | CAATCCCGGGCTTGCAACACACTGATCGTGAAT |
| ChIP | |
| Ros1\_XmaF | CTATCCCGGGATGGGTTCACACCAAGCTGCTA |
| Ros1\_NotR | GTTGCGGCCGCACGGCACAGGTCTCGTCAACAC |
| Endros1\_NcoF | ATGCCCATGGTTCCCAGTCAGCCGTCT |
| Endros1\_PspR | GATTGGGCCCTAATAGTCGGGCACGTCGTAG |
| Expression in *E.coli* | |
| WOPR\_NdeF | GTTACATATGGGTTCACACCAAGCTGCTACT |
| WOPR\_XhoR | GTTACTCGAGCGACTCGCCAACGTACCTAGGCAT |
| EMSA probe generation | |
| WT-probe\_F | CGCCAGAGACAAGTACTGTTC |
| WT-probe \_R | ACAATAGCATACGCCTACGGA |
| ORF-probe\_F | AGCCGCTCGCTGTCCATTTATT |
| ORF-probe \_R  Probe-02854\_F  Probe-02854\_R  Probe-04040\_F  Probe-04040\_R  Probe-02538\_F  Probe-02538\_R  Probe-cmu1\_F  Probe-cmu1\_R  Probe-03046\_F  Probe-03046\_R  Probe-03138\_F  Probe-03138\_R  Probe-12258\_F  Probe-12258\_R  Probe-02775\_F1  Probe-02775\_R1  Probe-02775\_F2  Probe-02775\_R2 | GTTGGTAGGGTTCGAACCGTGAAT  GAGATACGAGACGAGTCAAGA  CAAGTTCCTCCAAAGAACCAC  CACTGCGGAGAGTGTCACAAA  AGAGAAGACAGGCATGGTCA  ATCGCGTCCTTTATGGTCAAAC  AGCCCTTGCCTGATTTGACGTA  CAGTTGCGTCGAGGATTCGT  GTTTCGCTCCAACTCGTCTT  AAGGTCACTCGACTGTAACTG  ACAGCCGCGTAGAATCTTG  GTAAGGTCGCCGCAACATC  AGGCCTGTTCAAAAGGTTGCT  CGAGGTTCCTCCGTTGTAGA  CCCTTACAGACCTCCAAAGA  TAGAAAGCCGGAGCAGTGAAC  CCTACCATCATAGCAAAACTC  CTTCGCTAATACTGAATGGCA  TCCAACAACTCTCGCGCTACT |