| Purpose | Name | Sequence | Related figures |
|---|---|---|---|
| Atco-Cas9 cloning | cacc_AtCas9_F | 5'-CACCATGGATAAGAAGTACTCTATCGG-3' | Fig 1 |
| Atco-Cas9 cloning | Pea3Ter_R | 5'-AAGCCTATACTGTACTTAACTTGATT-3' | |
| Gateway cloning site amplification | Infusion_GW_A51_F | 5'-GTGGTTGATAACAGCGGTTGACTAGAGTTATCA-3' | Fig 2 |
| Gateway cloning site amplification | Infusion_GW_A51_R | 5'-ATTCGAGCTCTAAGCCTCTAAGCGCTGTTATCA-3' | |
| MpU6-1 cloning | Mp-U6_38003_F | 5'-CACCTATTCATTCAAAAGAGATTTTTAAAGATC-3' | |
| MpU6-1 cloning | Mp-U6_38003_R | 5'-GAGAGGCTGGGTGCAAC-3' | |
| ccdB site amplification | OE-MpU6-CmRccdB-F2 | 5'-GCAGAGTTGCACCCAGCCTCTCgagctcATTAGGCACCCCAGGCTTT-3' | |
| ccdB site amplification | gRNA-R3 | 5'-tagAAAAAAAGCACCGACTCGGTG-3' | |
| pMpGE_En02 construction | BsaI-Sp-sgRNA_F | 5'-GACCGAGAGAGGGTCTCAGTTTTAGAGCTAGAAAT-3' | |
| pMpGE_En02 construction | gRNA_R | 5'- GTGGCACCGAGTCGGTGCTTTTTTTCTA-3' | |
| pMpGE_En02 construction | MpU6-1_500_F | 5'-GTAACGTGAGACTACTAC-3' | |
| pMpGE_En02 construction | BsaI_MpU6_1_Gf | 5'-GACCCTCTCTCGGTCTCCGAGAGGCTGGGTGCAAC-3' | |
| pMpGE_En03 construction | Mp_oligo6BsaI_Gf | 5'-TCTCGGGAGACCGAGAGAGGGTCTCA-3' | |
| pMpGE_En03 construction | Mp_oligo6BsaI_Gr | 5'-AAACTGAGACCCTCTCTCGGTCTCCC-3' | |
| pMpGE013 construction | Mp_oligo5AarI_Gf | 5'-TCTCGAAATGCAGGTGATGACTCACCTGCATAA-3' | |
| pMpGE014 construction | Mp_oligo5AarI_Gr | 5'-AAACTTATGCAGGTGAGTCATCACCTGCATTTC-3' | |
| ARF1_1 gRNA | ARF1_sgRNA_F | 5'-GCACCCAGCCTCTCGAGACCTTCATGATCAGGAGGTTTTAGAGCTAGAA-3' | Fig 3 and S4 Fig |
| | ARF1_sgRNA_R | 5'-TTCTAGCTCTAAAACCTCCTGATCATGAAGGTCTCGAGAGGCTGGGTGC-3' | |
| NOP1_1 gRNA for pMpGE_En01 | NOP1_sgRNA_F | 5'-GCACCCAGCCTCTCGATAGTCTTTGTGAGAGAATGTTTTAGAGCTAGAA-3' | Fig 3 |
| | NOP1_sgRNA_R | 5'-TTCTAGCTCTAAAACATTCTCTCACAAAGACTATCGAGAGGCTGGGTGC-3' | |
| NOP1_1 gRNA for pMpGE_En02 | Mp_oligo2_F | 5'-TCTCGATAGTCTTTGTGAGAGAAT-3' | S4 Fig |
| | Mp_oligo2_R | 5'-AAACATTCTCTCACAAAGACTATC-3' | |
| Mp*ARF1* genotyping | ARF1_Seq_F3 | 5'-GCCGATGTGCATATACCCAGCTATCCCAGT-3' | Fig 1 and Fig 3 |
| | ARF1_Seq_R3 | 5'-ATGTTATATCCTCGGTTGATTCTCGTACGA-3' | |
| Mp*NOP1* genotyping | CRISPR_NOP1_F | 5'-ATGGAGCAAGTGCGGTTGAGGGCTCTCG-3' | Fig 1 and Fig 3 |
| | CRISPR_NOP1_R | 5'-CGTGAGGTGACGATGCCAGTCCGACCAG-3' | |
| Mp*ARF1* off targets genotyping_OT1 | ARF1_1_OT1_F2 | 5'-CAAACAATGACAGGTGAACAGCG-3' | Table 1 |
| | ARF1_1_OT1_R2 | 5'-CTTCAATGAGCGTTAGTGCGAGC-3' | |
| Mp*ARF1* off targets genotyping_OT2 | ARF1_1_OT2_F | 5'-TCTCGTGACTCGATCAAGATGGG-3' | |
| | ARF1_1_OT2_R | 5'-TTCACTCCCCTCGGCATGGTTTC-3' | |
| Mp*ARF1* off targets genotyping_OT3 | ARF1_1_OT3_F | 5'-CATCCACTCCCAGCTGTACCATC-3' | |
| | ARF1_1_OT3_R | 5'-TCCATGGGCCTTAGATTAGGAGG-3' | |
| Mp*NOP1* off targets genotyping_OT1 | NOP1_1_OT1_F | 5'-CTCAACCATTGAACCAGCGTCGG-3' | Table 1 |
| | NOP1_1_OT1_R | 5'-TTTGTCCAGTTAGGCTGCTCATC-3' | |
| Mp*NOP1* off targets genotyping_OT2 | NOP1_1_OT2_F | 5'-TCGGGGCCTGCTCATCGGGCTCC-3' | |
| | NOP1_1_OT2_R | 5'-GCTCAAGCTATGCCGAGGTCGTC-3' | |
| Mp*NOP1* off targets genotyping_OT3 | NOP1_1_OT3_F | 5'-TGGATTCGCCGCGTCCTCGTTCC-3' | |
| | NOP1_1_OT3_R | 5'-TATTGGAATCGGCAGGACCGCGG-3' | |
| gRNA length assessment | NOP1-2_20ntF | 5'-tctcCAAACCGGAATGAGTCAGCT-3' | Figs 4, 5 and S5 Fig |
| | NOP1-2_20ntR | 5'-aaacAGCTGACTCATTCCGGTTTG-3' | |
| | NOP1-2_19ntF | 5'-tctcAAACCGGAATGAGTCAGCT-3' | |
| | NOP1-2_19ntR | 5'-aaacAGCTGACTCATTCCGGTTT-3' | |
| | NOP1-2_18ntF | 5'-tctcAACCGGAATGAGTCAGCT-3' | |
| | NOP1-2_18ntR | 5'-aaacAGCTGACTCATTCCGGTT-3' | |
| | NOP1-2_17ntF | 5'-tctcACCGGAATGAGTCAGCT-3' | |
| | NOP1-2_17ntR | 5'-aaacAGCTGACTCATTCCGGT-3' | |
| | NOP1-2_16ntF | 5'-tctcCCGGAATGAGTCAGCT-3' | |
| | NOP1-2_16ntR | 5'-aaacAGCTGACTCATTCCGG-3' | |
| For addition of extra intial G | NOP1-2_20ntFg | 5'-ctcgCAAACCGGAATGAGTCAGCT-3' | |
| | NOP1-2_19ntFg | 5'-ctcgAAACCGGAATGAGTCAGCT-3' | |
| | NOP1-2_18ntFg | 5'-ctcgAACCGGAATGAGTCAGCT-3' | |
| | NOP1-2_17ntFg | 5'-ctcgACCGGAATGAGTCAGCT-3' | |
| | NOP1-2_16ntFg | 5'-ctcgCCGGAATGAGTCAGCT-3' | |
| Larger deletion analysis genotyping | NOP1_05_F | 5'-CCTCATGGATTTTATCGC-3' | Fig 6 and S6 Fig |
| | NOP1_1k_R | 5'-ACGATGGCACCAGCACT-3' | |
| | NOP1_2k_R | 5'-TCCGACCTTTTGAAACAC-3' | |
| | NOP1_5k_R | 5'-CCAACAATATTCAGCGAC-3' | |
| For ds oligo DNA | NOP1_3_F | 5'-CTCGATTAAGAGTGGAAGTTGCTT-3' | |
| | NOP1_3_R | 5'-AAACAAGCAACTTCCACTCTTAAT-3' | |
| | NOP1_4_F | 5'-CTCGAGCTTCTCCAAGTTCTGGTC-3' | |
| | NOP1_4_R | 5'-AAACGACCAGAACTTGGAGAAGCT-3' | |
| | NOP1_5_F | 5'-CTCGCACGTTCACACGGCCATGGT-3' | |
| | NOP1_5_R | 5'-AAACACCATGGCCGTGTGAACGTG-3' | |
| | NOP1_6_F | 5'-CTCGGAAGATCAAGCATGAATCAA-3' | |
| | NOP1_6_R | 5'-AAACTTGATTCATGCTTGATCTTC-3' | |
| Mp*MPK1* gRNA | sgRNA_Bsa_MpMPK1_ex1t_F | 5'-tctcGGGGCCTACGGCATTGTC-3' | Fig 7 |
| Mp*MPK1* gRNA | sgRNA_Bsa_MpMPK1_ex1t_R | 5'-aaacGACAATGCCGTAGGCCCC-3' | |
| Mp*MPK1* CRISPR genotyping and set 3 | MpMPK1_-549F | 5'-GGTCGAACGCACCCTTGCAGC-3' | |
| Mp*MPK1* CRISPR genotyping | MpMPK1_g540R | 5'-CCAAAGTAGAGGCCATGCATGTG-3' | |
| Mp*MPK1* cDNA | MpMPK1_1F_TOPO | 5'-caccATGGATTCCGCAGCAGCTGCCG-3' | |
| Mp*MPK1* cDNA and set 1 | MpMPK1_c1131R_STP | 5'-CTATTGCATCATGTCTGGTAGGGG-3' | |
| Sets 1 and 2 | MpEF-P_seqL1 | 5'-CCCACTTTGGTCAGTCCTGT-3' | |
| Set 2 | tdTomato_753R | 5'-GATGACGGCCATGTTGTTG-3' | |
| Set 3 | MpMPK1_g1010R | 5'-CGAGACATCAGGGACACGGAAG-3' | |
| For pMpGWB337 series | ccdB_236F | 5'-AAGTGGCTGATCTCAGCCACC-3' | S7 Fig |
| | loxP_NruI_Sac_R | 5'-TTCGAGCTCTTTCGCGATAACTTCGTATAATGTATGC-3' | |
| | NOSt_head_R_SacI | 5'-CAGCATGAGCGAGCTGATTAAG-3' | |
| | mCherry_CAGC_F | 5'-GATCGGGGAAATTCGAGCTC-3' | |
| | mTurq_CAGC_F | 5'-CAGCATGGTGAGCAAGGGCG-3' | |
| | TagRFP_CAGC_F | 5'-CAGCATGGTGAGCAAGGGCGAGG-3' | |
| | tdTomato_CAGC_F | 5'-CAGCATGGTGTCTAAGGGTGAGGAAC-3' | |
| | pUGW_Aor_mTurq_IF_F | 5'-GTGGTTGATAACAGCATGGTGTCTAAGGGTGAGGAAC-3' | |
| | pUGW_Aor_mTurq_Stp_IF_R | 5'-ATTCGAGCTCTAAGCCTATTTGTAAAGCTCATCCATTCCG-3' | |