S2

| Nr. | Primer | Sequence 5'--> 3' | Purpose |
|---|---|---|---|
| 1 | BcnoxA_TglucR | CATACATCTTATCTACATACGCTAGAAATGTTC TTTCCAAAACG | Crosscomplementation |
| 2 | BcnoxA_NoxBN_R | CTTCAAAAACTGTACAGCACCCATCGTCAATTC CCTCGGCATTTCCGC | Crosscomplementation |
| 3 | bcnoxBProm_PtrpC_F | GCCCAAAAAATGCTCCTTCAATATCGTGTGGCG AGGGGGATTTGG | Crosscomplementation |
| 4 | noxA_PnoxB_R | CTTCAAAAACTGTACAGCACCCATCTTAAACGTt gCGACCTGGAATCG | Crosscomplementation |
| 5 | BcnoxB_TglucR | CATACATCTTATCTACATACGTTAGAAATTTTCT TTGCCCCAGC | Crosscomplementation |
| 6 | noxB_PnoxA_R | CTGTCATAAGCCTTTTCAGACATCTTCTCTATAT CCAAATATCCC | Crosscomplementation |
| 7 | bcnoxAprom_PtrpC_F | GCCCAAAAAATGCTCCTTCAATATCGACGACCC GGGCTCGTGCATAAG | Crosscomplementation |
| 8 | Ro1 | CTCCATCACATCACAATCGATCCAAATGGTGAG CAAGGGCGAGGAGCTG | roGFP2_NoxA Construction (oliC_roGFP2) |
| 9 | Ro2 | CCATCACATCACAATCGATCCAAATGGGTGCTG TACAGTTTTTGAAGG | NoxA_roGFP2 Construction (oliC_NoxA) |
| 10 | Ro3 | CAGCTCCTCGCCCTTGCTCACCATGAAATGTTCT TTCCAAAACG | NoxA_roGFP2 Construction |
| 11 | Ro4 | CGTTTTGGAAAGAACATTTCATGGTGAGCAAGG GCGAGGAGCTG | NoxA_roGFP2 Construction |
| 12 | Ro5 | CATACATCTTATCTACATACGTTACTTGTACAGC TCGTCCATGCC | NoxA_roGFP2 Construction (roGFP2_Tgluc) |
| 13 | Ro6 | CATACATCTTATCTACATACGCTAGAAATGTTC TTTCCAAAACG | roGFP2_NoxA Construction |
| 14 | Ro7 | CGGCATGGACGAGCTGTACAAGATGGGTGCTGT ACAGTTTTTGAAGG | roGFP2_NoxA Construction |
| 15 | Ro8 | CCTTCAAAAACTGTACAGCACCCATCTTGTACA GCTCGTCCATGCCG | roGFP2_NoxA Construction |
| 16 | Nox1 | GGGAATGGATGAACTTTACAAAATGAGTATGGA TATCGAGAGGTGCC | NoxA_w/o signal peptide Construction |
| 17 | bcnoxA_F1 | ATGGGTGCTGTACAGTTTTTGAAG | Crosscomplementation |
| 18 | bcnoxB_F1 | ATGTCTGAAAAGGCTTATG | Crosscomplementation |
| 19 | hph for | GTCGGAGACAGAAGATGATATTGAAGGAGC | hph cassette |
| 20 | hph rev | GTTGGAGATTTCAGTAACGTTAAGTGGAT | hph cassette |
| 21 | BcniaD-HIbF/hi5F | CGCATATCAGCATATCGAGATGTCC | dia PCR niaD |
| 22 | BcniaD-HIaR/hi3R | GAGTACCCATCCGATGGAGTTGTTG | dia PCR niaD |
| 23 | BcniaD-WT-F | GCCACAGACTCCGCCAGATTCTAATG | dia PCR niaD |
| 24 | BcniaD-WT-R | CAACCATTTCACGCTGCGACCACC | dia PCR niaD |
| 25 | BcniiA-hi5F | GCGGGGTATGGCAGCATGAGTG | dia PCR niiA |
| 26 | BcniiA-hi3R | CTTATAGCAAGCGCGATGTGTATC | dia PCR niiA |
| 27 | BcniiA-WT-F | GGTTGAGGTGGTGGAAGATTTG | dia PCR niiA |
| 28 | BcniiA-WT-R | CGACCACCAAGCCTCCAGCATC | dia PCR niiA |
| 29 | NoxD_GFP 5F | CCATCACATCACAATCGATCCAACCATGGGAAG ACTTATCAAGAACC | NoxD_HDEL generation |
| 30 | Nox103 | CTTACCTCACCCTTGGAAACCATAAGTTCATCA TGAACTTTCCCCGTGGCGGATCTCCG | NoxD_HDEL generation |
| 31 | BcniaD_SacII_5F | GTAACGCCAGGGTTTTCCCAGTCACGACGCCGC GGGTGAATGGGATTCATTGTTTATTTC | NoxB_HDEL generation |
| 32 | Nox96 | CTAATCATACATCTTATCTACATACGTTAAAGTT CATCATGGAAATTTTCTTTGCCCCAG | NoxB_HDEL generation |
| 33 | Tgluc_HDEL_noxB-R | TCTTATCTACATACGTTAAAGTTCATCATGGAA ATTTTCTTTGCCCCAG | NoxB_HDEL generation |
| 34 | BcnoxB_OGFP_F | GGGAATGGATGAACTTTACAAAATGTCTGAAAA GGCTTATGACAG | NoxB_HDEL generation |
| 35 | noxA_diaF1 | GCTCAGATCATTCTTCTTTG | NoxA diagnostic PCR |
| 36 | noxA_diaR1 | CGTAATGACCTCCTGTCAGAATG | NoxA diagnostic PCR |
| 37 | Hph-hiF | GTCTGGACCGATGGCTGTGTAGAAG | diagnostic PCR |
| 38 | hph-hiR | GACAGACGTCGCGGTGAGTTCAG | diagnostic PCR |
| 39 | Nat1-hiF | CGGCGAGCAGGCGCTCTACATGAGC | diagnostic PCR |
| 40 | nat1-hiR | GGTAAGCCGTGTCGTCAAGAG | diagnostic PCR |