| Primer name                              | Primer number | Sequence (5’-3’)                                      |
|------------------------------------------|---------------|------------------------------------------------------|
| Fw-GRX1-roGFP2                          | 1             | ctcgtggcattttttctgtgatgctcaaagagtttgtgaac           |
| Rv-GRX1-roGFP2                          | 2             | atggctcaagagtttgtgaac                                |
| Fw-GRX1ser23-26                         | 3             | ctcgtggcattttttctgtgatgctcaaagagtttgtgaac           |
| Rv-GRX1ser23-26                         | 4             | ctcgtggcattttttctgtgatgctcaaagagtttgtgaac           |
| Rv-GRX1ser23-26                         | 5             | atggctcaagagtttgtgaac                                |
| Rv-GRX1ser23-26                         | 6             | atggctcaagagtttgtgaac                                |
| Fw-pTUB8 sequence                       | 7             | ctcgtggcattttttctgtgatgctcaaagagtttgtgaac           |
| Rv-pTUB8 sequence                       | 8             | atggctcaagagtttgtgaac                                |
| Fw-jRCaMP1b                             | 9             | atggctcaagagtttgtgaac                                |
| Rv-jRCaMP1b                             | 10            | atggctcaagagtttgtgaac                                |
| Fw-5’UTR of GRA1                        | 11            | atggctcaagagtttgtgaac                                |
| Rv-5’UTR of GRA1                        | 12            | atggctcaagagtttgtgaac                                |
| Fw-GFP-T2A-fusion                       | 13            | atggctcaagagtttgtgaac                                |
| Rv-GFP-T2A-fusion                       | 14            | atggctcaagagtttgtgaac                                |
| Fw-HXGPRT cassette                      | 15            | atggctcaagagtttgtgaac                                |
| Rv-HXGPRT cassette                      | 16            | atggctcaagagtttgtgaac                                |
| Rv-pSAg1::CAS9-U6::sg1 CDPK3            | 17            | atggctcaagagtttgtgaac                                |
| Fw-pSag1::Cas9-U6::sg1 CDPK3            | 18            | atggctcaagagtttgtgaac                                |
| Fw-pSag1::Cas9-U6::sg2 CDPK3            | 19            | atggctcaagagtttgtgaac                                |
| Fw-sg1CDPK3                             | 20            | atggctcaagagtttgtgaac                                |
| Rv-sg1CDPK3                             | 21            | atggctcaagagtttgtgaac                                |
| Fw-5’HXGPRT cassette at CDPK3 locus     | 22            | atggctcaagagtttgtgaac                                |
| Rv-5’HXGPRT cassette at CDPK3 locus     | 23            | atggctcaagagtttgtgaac                                |
| Fw-3’HXGPRT cassette at CDPK3 locus     | 24            | atggctcaagagtttgtgaac                                |
| Rv-3’HXGPRT cassette at CDPK3 locus     | 25            | atggctcaagagtttgtgaac                                |
| Fw-CDPK3 locus absent check             | 26            | atggctcaagagtttgtgaac                                |
| Rv-CDPK3 locus absent check             | 27            | atggctcaagagtttgtgaac                                |