**Table S3. List of primers**

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| *Primer* | *DNA-sequence* | |
| Nrg180-ENTR-N-term | 5`CACCATGTGGCGGCAGTCAACG | |
| Nrg180-ENTR-C-term | 5`TTAGACGTAGGTGGCCACG | |
| Nrg180-ENTR-C-term-tagged (HA, EGFP) | 5`GACGTAGGTGGCCACGGCTC | |
| Nrg180Y-F | 5`GGCTCCTTCATTGGCCAATTTGTTCCTGGAAAGCTCC | |
| Nrg180Y-D | 5`GGCTCCTTCATTGGCCAAGACGTTCCTGGAAAGCTCC | |
| Nrg180Y-A | 5`GGCTCCTTCATTGGCCAAGCTGTTCCTGGAAAGCTCC | |
| Nrg180FIGQY | 5`AATTTACCGAGGATGGCTCCGTTCCTGGAAAGCTCCAACC | |
| P[nrg180Y-F] | 5`TCTTTCTAATCCCAGGACAATTTACCGAGGATGGCTCCTTCATTGGCCAATTCGTTCCTGGAAAGCTCCAACCGCCGGTTAGCCCACAGCCACTGAACAATTC | |
| P[nrg180Y-D] | 5`TCTTTCTAATCCCAGGACAATTTACCGAGGATGGCTCCTTCATTGGCCAAGACGTTCCTGGAAAGCTCCAACCGCCGGTTAGCCCACAGCCACTGAACAATTC | |
| P[nrg180Y-A] | 5`TCTTTCTAATCCCAGGACAATTTACCGAGGATGGCTCCTTCATTGGCCAAGCCGTTCCTGGAAAGCTCCAACCGCCGGTTAGCCCACAGCCACTGAACAATTC | |
| P[nrg180FIQGY] | 5`ATATTGTATATATCTTTCTAATCCCAGGACAATTTACCGAGGATGGCTCCGTTCCTGGAAAGCTCCAACCGCCGGTTAGCCCACAGCCACTGAACAATTC | |
| P[nrg180C] | 5`ATATTGTATATATCTTTCTAATCCCAGGACAATTTACCGAGGATGGCTCCTAAGAGGCGTGGCTGGGATTCACTTGCCCCATTGTTCTCCTGATTTTCTA | |
| P[nrg180PDZ] | 5`CCGGAGGAGCAGCTGCCAGCAATGGAGGAGCTGCAGCCGGAGCCGTGGCCCCTGTTGACAATTAATCATCGGCA | |
| P[nrg167FIQGY] | 5`ACAATCACAATCAATATTAAATCGACAACGACAACCAATATCCAGGCATGAATGAAGATGGATCCGGACGCAAAGGACTTTGATTTAATTAGTAAGCAGCGCACCGCAACAGCAA | |
| P[nrgIg3/4] | 5`CCTCGGTGTTTCGCAGTGAATACAAGATTGGCAACAAGGTGCTCCTCGATGCTGAGCCGCCAACGATTTCCGAAGCTCCAGCAGCTGTATCCACTGTCGA | |
| *Check and seq primer* | *Forward primer* | *Reverse primer* |
| pENTR\_nrg180wt, Y-F, Y-A, Y-D,FIGQY (check mutations in FIGQY motif) | 5`AATCGGGGCGGAAAGTACG | 5`CAGGAAACAGCTATGAC |
| pENTR\_nrg180wt (start and stop) | 5`TGTAAAACGACGGCCAGT | 5`CAGGAAACAGCTATGAC |
| pENTR/pUAST nrgwt, Y-F, Y-A, Y-D, FIGQY (sequencing of complete ORF, primer 1-8) | 5`TGCTCTTCAAAGTGGCGC  5`GTTAGTGCCTCGCAGAAC  5`TAACTACGGTTGCAACGC  5`GATTCGTGAAGACCAATG  5`CCGAAATCGAGCACAATG  5`ACAATGGACGCTTCAATG  5`TGGATACGCGAGAATGAG  5`CGATACTGATTCGATGGC | 5`CCCGATCCTCCGGCAGTT  5`CAATGAACCATCCGGCAT  5`CCATCTTCATGCGTGTGA  5`CATTGTGAAGTTGGTGGG  5`GGCGTGAACGATGTATTG  5`CACCGTTAGCTTGGACAT  5`CACGTCGCAGGTGTATGT  5`GTGGCCGTTCCGAATTCA |
| 10xpUAST\_Nrg\_HA (check) | 5`AATCGGGGCGGAAAGTACG | 5`GGCATTCCACCACTGCTCCC |
| 10xpUAST\_Nrg\_EGFP (check) | 5`TATAAATAGAGGCGCTTCGT | 5`CAAGTCCGCCATGCCCGAAG |
| P[acman] check primer (Nrg180FIGQY mutations) | 5`AACTGACGCATTTGCCAGG | 5`GCAGACACTTAAAGCAGTT |
| P[acman] seq primer (Nrg180FIGQY mutations) | 5`CATATCATTTTGCACCGGC | 5`ACGATGCTCCACCCGATGCT |
| P[acman] check C) | 5`AACTGACGCATTTGCCAGG | 5`GCTTTAAATTCATGCGAG |
| P[acman] seq (C) | 5`CATATCATTTTGCACCGGC | 5`GCAGACACTTAAAGCAGTT |
| P[acman] check (PDZ) | 5`GAGGATGGCTCCTTCATTG | 5`GCTTTAAATTCATGCGAG |
| P[acman] seq (PDZ) | 5`CACTGAACAATTCCGCTGC | 5`GCAGACACTTAAAGCAGTT |
| P[acman] check (Nrg167FIGQY) | 5`AGCCACTTGCCGTTATAAG | 5`GGCAGTATTGATTTGCAT |
| P[acman] seq (Nrg167FIGQY) | 5`GTGTTCCTTGTTATGTGT | 5`AGTCGTGGTGTTTGCACTT |
| P[acman] check (NrgIg3/4) | 5`CGAGCTGAATGCCTTCAAG | 5`GGAGTTAACATTCAGAATGATGG |
| P[acman] seq (NrgIg3/4) | 5`GATCCTGAGGGTAATCTCTG | 5`GTTATTCGATCGCTCCACTG |