**Table EV5. List of oligos.**

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| **number** | **sequence** | **used to** |
| 439 | AGGACCAGAAGAGAAGAGATGAGCAAAGGAGACAGAACAAGAGTAGCAGAAAGTCATGCGTACGCTGCAGGTCGAC | delete *PHO4* |
| 446 | GGGGAGGCGCGCCCCAGTCCGATATGCCCGGAACGTGCTTCCCATTGGTGCACGGTCAATCGATGAATTCGAGCTCG | delete *PHO4* |
| 436 | TTGCATTCTTTAACTACTTGAGTTTTCTTTCCAGCTGTAT ACTATTGACACTAACATGCGTACGCTGCAG GTCGAC | delete *KIP3* |
| 445 | CGTTTAATGCTGGCGGAAAGAAGTTATATTCGATAGTTTACGTAGGATATGTATGTTAATCGATGAATTCGAGCTCG | delete *KIP3* |
| 455 | GGACCTTAAAGTTGAATCATCCTTCTTATGGAGATTTGAAC | mutagenize *tub2-401-*A657T (*Q219H*) |
| 456 | GTTCAAATCTCCATAAGAAGGATGATTCAACTTTAAGGTCC | mutagenize *tub2-401-*A657T (*Q219H*) |
| 467 | CGAAGGTTGTAGAATTGTATGTGACAAGTGGCACCAAGCATATATAAAAAAAAAAAGATCGATGAATTCGAGCTCG | duplicate *SPC97* |
| 468 | CTTTCACTGATCCTTTTTGAAAAATACGGTGAACATTGAGGACTTTATTACATTTGATCCGCTAGGGATAACAGGG | duplicate *SPC97* |
| 485 | AATATTTATTATCAAACTGATCTAAGATTGCTTTGTACACATCTTGCGTGAAAAAATGCGTACGCTGCAGGTCGAC | delete *SPC97* |
| 486 | GGATTCCACTTTCCGCAAGTTGGTGCACGTCGTTAGTGACATAACGCCGCGTTCAATCGATGAATTCGAGCTCG | delete *SPC97* |
| 506 | CGCGGATCCATGAGAGAAGTTATTAGTATTAATG | clone *TUB1* |
| 507 | CCTTAATTAAGGGGTGAAAAACCTGATAATATCG | clone *TUB1* |
| 517 | CTGTTACAGCATCATTGAGATTCTACGGTTCATTAAATGTAGATTTG | mutagenize *TUB1* |
| 518 | CAAATCTACATTTAATGAACCGTAGAATCTCAATGATGCTGTAACAG | mutagenize *TUB1* |
| 519 | CCACCCAAGATCTGTAAACTTACAACTGCAAACAAACAATGAGAGAAGTTATTAGTATTAATGGTATGTTCGATTTGCC | obtain *tub1D246Y* mutant |
| 520 | GAAAGGATAAGGAGGTTGGGGGCGAGAGTGAACCATCGATGAATTCGAGCTCGTTTAAACTGGATGGC | obtain *tub1D246Y* mutant |