**Table S3. Primers used in this study**

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| Primer Name | Sequence |
| MPS2-tagF1 | TACCGTTCAAATGCCAATGTGGATGACGCATATAGTAGAGTATTCGGCATTGCGGCCGCTCTAGAACTAGT |
| MPS2-tagR1 | CGTGACTATTTTCACTGTGTATGAAGTGGCACGGTGCAAAGGCCAAGGTTTACCCCCTCGAGGTCGACGGTA |
| MPS2-deletionF1 | TAACGGTGCGTTTGATGCTATTTTTGAGTACGCATGGGGCCAGGGGCATGATGTGACT |
| MPS2-deletionR1 | TATGAAGTGGCACGGTGCAAAGGCCAAGGTTTAAATGCCGAAGCTCGTTTTCGACACTGGAT |
| CSM4-deletionF1 | TTCTTCCCAAAAGGCAATATTGCAGAAGAAGAACTAGAAAATCAGGGGCATGATGTGACT |
| CSM4-deletionR1 | TGCGATGACGAATTTAAGGTGTGAAGACACCTCATCGCTCGCTCGTTTTCGACACTGGAT |
| POM152-deletionF1 | ATTGGATGGGCAGTTCTGTGTCAGGATCACCACGTCCATCTTATAGCAGTCAGGGGCATGATGTGACT |
| POM152-deletionR1 | CTGTAATTTCAATCGCCTCGTAGGTACCTTGCAAGCTTGTAATTACCTTGCTCGTTTTCGACACTGGAT |
| PCLB2-MPS2F1 | TGTTCAAGAAAACGCATCATCCAAGAAAACGTGTTGTTGCTACTGGCATAGGCCACTAGTGGATCT |
| PCLB2-MPS2R1 | ATTTGGCCCCATGCGTACTCAAAAATAGCATCAAACGCACCGTTACTCATAGCAGCGTAATCTGGAACGT |