**SUPPORTING INFORMATION**

**S1 Table**. Table of primers used for mutagenesis in human MPV17.

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| MUTATION | GENOME | PRIMERS sequence (5’ → 3’) |
| p.R50Q | c.149G>A | Forward: GAACACCAGAGAGGCC**A**GACTCTGACCATGGTG  Reverse: CACCATGGTCAGAGTC**T**GGCCTCTCTGGTGTTC |
| p.R50W | c.148C>T | Forward: GAACACCAGAGAGGC**T**GGACTCTGACCATGG  Reverse: CCATGGTCAGAGTCC**A**GCCTCTCTGGTGTTC |
| p.G79\_T81del | c.234\_242del9 | Forward: CGGTTCATCCCCAAAGTGGATGCAC  Reverse: GTGCATCCACTTTGGGGATGAACCG |
| p.G94R | c.280G>C | Forward: GTTGTTGGATCAG**C**GGGGCTTTGCC  Reverse: GGCAAAGCCCC**G**CTGATCCAACAAC |
| p.S170F | c.509C>T | Forward: GAACTCCTACCTGT**T**CTGGAAGGCACATC  Reverse: GATGTGCCTTCCAG**A**ACAGGTAGGAGTTC |