**Table S1:** Oligonucleotides used in this study

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| **Name** | **Sequence (5’🡪3’)** | **Gene accession No. (NCBI)** |  |
| OPit2-XhoI-fw | GACTCGAGATTCCGGTGCGTCGATCG | XP\_757522 | Cloning of Pit2 and Pit2mut49-53 in pRSET-GST-PP |
| OPit2-EcoRI-rv | TTGAATTCTTATTCCCAGATGACCACATCTCCG | Cloning of Pit2 and Pit2mut49-53 in pRSET-GST-PP, pGBKT7 |
| OPit2mut49-53 | CTGGCAAGCTCAACCGGAGAGGAGGAGCCGGCGGCACAGGTTCGCTCGGCAAGGAA | Insertion of point mutations in Pit2 |
| OPit2-NcoI-fw | CGTCCATGGTTCCGGTGCGTCGATCGCTCTC | Cloning of Pit2 and Pit2mut49-53 in pGBKT7 |
| OPit2Δ44-57-fw | GGCAAGGAACCTGACAACGG | Construction ofpGBKT7-Pit2Δ44-57 and P123-Ppit2-pit2Δ44-57 |
| OPit2Δ44-57-rv | GCCAGCAGCCGAGCTCATTGA  |
| OPit2Δ49-53-fw | ACAGGTTCGCTCGGCAAGGAAC | Construction ofpGBKT7-Pit2Δ49-53 |
| OPit2Δ49-53-rv | TCTCCGGTTGAGCTTGCCAG |
| OPit2-SacII-fw | TATCCGCGGATGCTGTTTCGCTCAGCCTTTG | Construction ofP123-Ppit2-pit2Δ44-57-mCherry-HA, P123-Ppit2-pit2mut49-53-mCherry-HA, P123-Ppit2-pit2-mCherry-HA  |
| OmCherryHA-rv | TATGCGGCCGCTTAAGCGTAATCTGGAACATCGTATGGGTACTTGTACAGCTCGTCCATGC |  | Construction ofP123-Ppit2-pit2Δ44-57-mCherry-HA, P123-Ppit2-pit2mut49-53-mCherry-HA, P123-Ppit2-pit2-mCherry-HA |
| OCP2full-NdeI-fw | GGAATTCCATATGCCCAACTCCGGCTTCGCGGACTCC | NP\_001105479 | Cloning of CP2 in pGADT7 |
| OCP2full-BamHI-rv | CGCGATCCTCATGCGACAATAGGGTAGG |
| OCP2-NdeI-fw | GACATATGCGTGCGACCCGGCTCGGC | Cloning of CP2 in pGADT7 |
| OCP2-BamHI-rv | TGGATCCTCATGCGACAATAGGGTAGG |
| OCP1A-NdeI-fw | ATACATATGCGCGCCACCTACCTCGGCGCC | NP\_001148706 | Cloning of CP1A in pGADT7 |
| OCP1A-BamHI-rv | TATGGATCCTCATGCGCTGCTCTTCATGC |
| OCP1B-NdeI-fw | ATACATATGCGCGCCACCTACCTCGGCGT | NP\_001149658 | Cloning of CP1B in pGADT7 |
| OCP1B-BamHI-rv | TATGGATCCTCATGCGCTGCTCTTCATGCCATCAGCAGC |
| OCatB-NdeI-fw | GCGCATATGAATGCACTAAGCAATGTTCCT | NP\_001150152 | Cloning of CatB in pGADT7 |
| OCatB-BamHI-rv | TGTGGATCCTTAAACTATAGCTCTTCCAACG |
| OXCP2-NdeI-fw | ATACATATGAAGGCCACCTACCTGGGCCT | NP\_001149806 | Cloning of XCP2 in pGADT7 |
| OXCP2-BamHI-rv | TATGGATCCTCAATGGTCCTTGGTCGGGT |
| OCP2-Mut1 | CAGGGCCACTGTGGATCAGGCTGGACCTTCAGCACTACTG | NP\_001105479 | Insertion of point mutations in CP2 |
| OCP2-Mut2 | CTACACCGATGGATGTGAACGGCGCTGTTCTGGCTGTTGGCTAC |
| OCP2-Mut3 | CTACTGGCTCATCAAGGGCTCATGGGGCGCTGACTG |
| OCP1A-XbaI-fw | GTATCTAGAATGGCTGCCTCCACCACG | NP\_001148706 | Cloning of CP1A in pGreenII 0029 |
| OCP1A-HA-SacI-rv | GTGGAGCTCTTAAGCGTAATCTGGAACATCGTATGGGTATGCGCTGCTCTTCATGCCGT |
| OCP2-XbaI-fw | ATCTAGAATGGCCCCACGCCGCCTG | NP\_001105479 | Cloning of CP2 in pGreenII 0029 |
| OCP2-HA-SacI-rv | GAGCTCTTAAGCGTAATCTGGAACATCGTATGGGTATGCGACAATAGGGTAGGATG |
| OCatB-XbaI-fw | GCTCTAGAATGGGCGGCGAACTGCTGCT | NP\_001150152 | Cloning of CatB in pGreenII 0029 |
| OCatB-HA-SacI-rv | GAGGAGCTCTTAAGCGTAATCTGGAACATCGTATGGGTAAACTATAGCTCTTCCAACGG |
| OXCP2-XbaI-fw | CTCTAGAATGGCTTGGTCTTGTGCTCG | NP\_001149806 | Cloning of XCP2 in pGreenII 0029 |
| OXCP2-HA-SacI-rv | GTGGAGCTCTTAAGCGTAATCTGGAACATCGTATGGGTAATGGTCCTTGGTCGGGTAGGA |