

Supplementary Table S4: Oligonucleotide primers used in this study.

| Primer | Sequence |
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| VIP1 F | 5' CAAGAAGTAGGTTCTTGTTTAAGCTTGGAGAC 3' |
| VIP1 R | 5' GTTGTGGAAGAGGTTTACGAGTCGCTC 3' |
| VIP2 F | 5' CAAGAGGTTGGTTCATGTTTGACCCTC 3' |
| VIP2 R | 5' GTGGAAGGGCCAAAGTTTAACAAGACG 3' |
| PP2A F | 5' TAACGTGGCCAAAATGATGC 3' |
| PP2A R | 5' GTTCTCCACAACCGCTTGGT 3' |
| PEX4 F | 5' CTTAACTGCGACTCAGGGAATCTTCTAAG 3' |
| PEX4 R | 5' TCATCCTTTCTTAGGCATAGCGGC 3' |
| PLDZ2 F | 5' TCACGACAAGCAAGAACAGGTTAG 3' |
| PLDZ2 R | 5' AGTGCAGAGGAAGAGCACCATC 3' |
| SPX1 F1 | 5' GATTCCATTGTTGGAGCAAGA 3' |
| SPX1 R1 | 5' AATCTGTAGCTTCTTCTATTGTA 3' |
| GDPD1 F | 5' TGATGCAGCCCTTCTTGTCAGG 3' |
| GDPD1 R | 5' CTCCGTTGGTCAAGAAGAATACGG 3' |
| MGD2 F | 5' ATGGATGGGAGCTTGTGACTGC 3' |
| MGD2 R | 5' GGCACATTCCCTTTCTCCTGTC 3' |
| MGD3 F | 5' ACACTTGCCACCGTACATGGTTC 3' |
| MGD3 R | 5' TGCTCTCTTTGCAACCTCTTTGG 3' |
| PHT1;5 F | 5' CGCTCTTGTAGCTCGGAATAC 3' |
| PHT1;5 R | 5' TCCACTGAAGCACCTTAGACA 3' |
| NPC4 F | 5' GGATTGAGCCTGGCACAGTT 3' |
| NPC4 R | 5' GACGAATGCTCATATTGTGACCTT 3' |
| PS2 F | 5' TCTTGAGAACAAATCCCAATTCATC 3' |
| PS2 R | 5' CCTAAGCTCACACCCTAAATCATGT 3' |
| SQD2 F | 5' AAC CGG TTC TGT GTG CAA GCT G 3' |
| SQD2 R | 5' AGC CTC TCG TCT GAC CAC CTT TAC 3' |

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| AT4 F | 5' AGG AAC ACA CCT GAA TGG TGC 3' |
| AT4 R | 5' CCG TGT TTA CTT TGT TTC CGG T 3' |
| IPS1 F | 5' TTTGGAGAATAGTCAGACCAGTGC 3' |
| IPS1 R | 5' TCACTATAAAGAGAATCGGAAGCA 3' |