

Table S2. Oligonucleotides used in this study

Oligonucleotides	Sequence (5'-3')	Description
Pex11A-Hs-5	CCATGGACGCCTTCACCCG	Fwd-HsPEX11 α in pENTR4 (NcoI)
Pex11A-Hs-6	CTCGAGCTAACGGGTCTTCAGCTTCATCTGAGG	Rev-HsPEX11 α in pENTR4 (XhoI)
Pex11B-Hs-5	CCATGGACGCCTGGGTCCG	Fwd-HsPEX11 β in pENTR4 (NcoI)
Pex11B-Hs-6	CTCGAGTCAGGGCTTGAGTCGTAGCCAGG	Rev-HsPEX11 β in pENTR4 (XhoI)
Pex11G-Hs-1	TGGATCCGGATGGCGTCGCTGAGCGGCCTGG	Fwd-HsPEX11 γ in pENTR4 (BamHI)
Pex11G-Hs-2	CTCGAGTCAGGGGGTAGTGGCCTCGGCCT	Rev-HsPEX11 γ in pENTR4 (XhoI)
Pex11-y-5	CGGCCATGGTCTGTGATACTGG	Fwd-ScPEX11 in pENTR4 (NcoI)
Pex11-y-6	GCGCTCGAGCTATGTAGCTTCCACATGTC	Rev-ScPEX11 in pENTR4 (XhoI)
Pex25-y-6	GGATCCGGCTTAACTGGACTGG	Fwd-ScPEX25 in pENTR4 (BamHI)
Pex25-y-7	CTCGAGTCAATCTTTGAAGAGCAAAGTGACCT	Rev-ScPEX25 in pENTR4 (XhoI)
Pex27-y-9	GGGGACAAGTTTGTACAAAAAAGCAGGCTGCACCATGACATCCGA TCCTGTTAAT	Fwd-ScPEX27 in pDONOR
Pex27-y-10	GGGGACCACTTTGTACAAGAAAGCTGGGTCAAACAGCGCTTGTA TGTTTC	Rev-ScPEX27 in pDONOR
Pex11-ARA-1	CGGCCATGGGTACCCTTGAGACCACAAG	Fwd-AtPEX11-1 in pENTR4 (NcoI)
Pex11/1-ARA-11	GCGCTCGAGTCAGACCATCTTGACTTGGG	Rev-AtPEX11-1 in pENTR4 (XhoI)
Pex11-ARA-3	CGGCCATGGCTACACTAGATTTGACCAGAG	Fwd-AtPEX11-2 in pENTR4 (NcoI)
Pex11/2-ARA-12	GCGCTCGAGTCAAGGTGTCTTCAACTTGGGG	Rev-AtPEX11-2 in pENTR4 (XhoI)
Pex11-ARA-5	CGGCCATGGCTACGAAAGCTCCAGAGAAA	Fwd-AtPEX11-3 in pENTR4 (NcoI)
Pex11//3-ARA-13	GCGCTCGAGTCAACAAGAGATCCAGTTCTTATG	Rev-AtPEX11-3 in pENTR4 (XhoI)
Pex11-ARA-7	CGGCCATGGCTTTGGACACTGTGGACAAAAC	Fwd-AtPEX11-4 in pENTR4 (NcoI)
Pex11/4-ARA-14	GCGCTCGAGTCACGATGGCCAGTTCCTATAAC	Rev-AtPEX11-4 in pENTR4 (XhoI)
Pex11-ARA-9	CGGCCATGGGGACGACGTTAGATGTATCA	Fwd-AtPEX11-5 in pENTR4 (NcoI)
Pex11/5-ARA-15	GCGCTCGAGTCAGGGTGTTTTGATCTTGGG	Rev-AtPEX11-5 in pENTR4 (XhoI)
Pex11A-Hs-11	GGCTCGAGCTAACGGGTCTTAAGCTTCATCTGAGGAGGATTGGATT TATAGATCCCCAG	Rev-HsPEX11 α ^{A20} in pENTR4 (XhoI)
Pex11B-Hs-7	GGTCTAGATATCTCGAGTCAGGGCTTGAGACGTCGCCAGAGGCCT AGTTTGTCCAG	Rev-HsPEX11 β ^{A26} in pENTR4 (XhoI)
Pex11-y-23	ATCTCGAGCTATGTAGCTTTCTTTCGTTGGAGCTCAAGTACCCTA GGTTGTTGAGGAC	Rev-ScPEX11 ^{A18} in pENTR4 (XhoI)
Pex11A-Hs-22	AGCGGTACCATGGACGCCTTCACCC	Fwd-HsPEX11 α in pRec-M14 (KpnI)
Pex11A-Hs-23	GGTGCTAGCAAGTACTTTGTAACGGGTCTTCAGCTTCATC	Rev-HsPEX11 α in pRec-M14 (NheI)
Pex11B-Hs-10	AGCGGTACCATGGACGCCTGGGTCCG	Fwd-HsPEX11 β in pRec-M14 (KpnI)
Pex11B-Hs-11	GGTGCTAGCAAGTACTTTGTAGGGCTTGAGTCGTAGCC	Rev-HsPEX11 β in pRec-M14 (NheI)
Pex11B-Hs-21	GGTGCTAGCAAGTACTTTGTAGGGCTTGAGACGTCGCC	Rev-HsPEX11 β ^{A26} in pRec-M14 (NheI)
CB109	TTAGCTAGCGGTACCATGGTGAGCAAGGG	Fwd-mCherry-SKL (NheI)
CB110	CTAGATCTTTATAATTTGGACAGGTGGTGGCGCTTGACAGCTCGT CCATGCC	Rev-mCherry-SKL (BglII)
FK304	GGGGACAAGTTTGTACAAAAAAGCAGGCTGCGTCGACATGGTGAG CAAGGGCGAGGAG	Fwd-mCherry-SKL BP cloning in pDONORZeo
FK463	GGGGACCACTTTGTACAAGAAAGCTGGGTCTAGATTACAGTTTGG ACTTGACAGCTCGTCCATG	Rev-mCherry-SKL BP cloning in pDONORZeo