

Table S4. Primers used in this study

primers used		
name	sequence 5' - 3'	use
Tnos_fw	ATACCCGGGCGGCCGCTAGCTCTAGAGCCGCCGGCTGCAGATCGT	assembly of p123_Ppit2
Pit2_SP_fw	ATACCGCGGATGCTGTTTCGCTCAGCCTTTGTTCTGCTCATCGTGGCCTTTGCAAGTGCATGCCTGGTGAACATGTTCAAGCTATTCCGCCGGGATA	cloning of Um01375 signal peptide
Pit2_SP_rv	TATCCCGGGCGGAATAGCTTGAACATGTTGCACCAGGCATGCACCTTGCAAAGGCCACGATGAGCAGAACAAGGCTGAGCGAAACAGCATCCGCGGTAT	cloning of Um01375 signal peptide
UmPit2_Xma_fw	ATACCCGGGATTCGGTGCGTCGATCGCTC	amplification of Um01375 without signal peptide
UmPit2_Xba_rv	GCGTCTAGATTATCCAGATGACCACATCTCCG	amplification of Um01375 without signal peptide
UhPit2_Xma_fw	TGTCCCGGGAACAGACCTTTACGCAGAGC	amplification of Uh02064 without signal peptide
UhPit2_Xba_rv	CACTCTAGACTAAGACTTCTTGCTGCTGC	amplification of Uh02064 without signal peptide
SrPit2_Xma_fw	TATCCCGGGATGCCAGCCATGCGTCGATC	amplification of sr10529 without signal peptide
SrPit2_Xba_rv	CACTCTAGATCAGTGGCTCTGTACCCAA	amplification of sr10529 without signal peptide
MpPit2_Xma_fw	TATCCCGGGGCGCAATCCAAGCTGTACC	amplification of mp4_3204_1 without signal peptide
MpPit2_Xba_rv1	TGTTCTAGATTACTGCGAAAAAGTGACCC	amplification of mp4_3204_1 without signal peptide
UHPID14_fw	AGAGCCCGGATGAAGCTCCACCGACGATGGTACTTTCTGCCCCGGCTCACTTTAATCTAGAATAT	cloning of UHPID14
UHPID14_rv	ATATTCTAGATTAAGTGAGCCGGGCCAGAGAAAGTACCATCGTCGGTGGAGCTTCATCCCGGGCTCT	cloning of UHPID14
UmPID14_fw	AGAGCCCGGATGAAGCTCAACCGGAGATGGTGGTTCGGCTTCACAGGTTGCTCTAATCTAGAATAT	cloning of UmPID14
UmPID14rv1	ATATTCTAGATTAGAGCGAACCTGTGAAGCCGAACCACCATCTCCGGTTGAGCTTCATCCCGGGCTCT	cloning of UmPID14
UmPit2-UHPID14_fw	AAGTCCACCGACGATGGTACTTTCTGCCCCGGCTCACTGGCAAGGAACCTGACAACGGCCAAGTACAG	insertion of UHPID14 into Um01375
UmPit2-UHPID14_rv	AAGTGAGCCGGGCCAGAGAAAGTACCATCGTCGGTGGAGCTTGCCAGCAGCCGAGCTCATTGAGGCATCGG	insertion of UHPID14 into Um01375
UhPit2-UmPID14_fw	AAGTCAACCGGAGATGGTGGTTCGGCTTCACAGGTTGCTCGCTCCCAAACCTCCACGTGA	insertion of UmPID14 into Uh02064
UhPit2-UmPID14_rv	GAGCGAACCTGTGAAGCCGAACCACCATCTCCGGTTGAGCTTGGTGTATTAATTGTCGTTGT	insertion of UmPID14 into Uh02064
UmPit2_RW_mut	GGCAAGCTCAACCGGGGAGGGTGGTTCGGCTTCACAGG	Um01375 site directed mutagenesis R48G-W49G
CP1A-F-Bsal	GGTCTCAAATGGCTGCCTCCACCACG	For direct cloning into pICH47732 binary vector
CP1A_nogranulin_R_Bsal	GGTCTCACGAACCGTTAGCGCCCTCCTTCAA	For direct cloning into pICH47732 binary vector
CP2-F-Bsal	GGTCTCAAATGGCCCAACGCGCCTG	For direct cloning into pICH47732 binary vector
CP2-R-Bsal	GGTCTCACGAACCTGCGACAATAGGGTAGGA	For direct cloning into pICH47732 binary vector