

Table S1

Primers for pENTR cloning	
Primer name	Sequence (5'-3')
SIrop1-F	CACC ATGAATGCTTCAAAGTTCATC
SIrop1-R	CTAAGCAACACAGCCTCCACAAACG
SIrop2-F	CACC ATGAATGTTTCAAAGTTCATC
SIrop2-R	CTAAACAGCAGCACAGCCTCCACAT
SIrop3-F	CACC ATGGCCTCAAGTGCTTCAAGA
SIrop3-R	TCACTTTAAACAAACGAGCTTCCTT
SIrop4-F	CACC ATGAGTGCTTCTAGGTTTATA
SIrop4-R	TCACAAGATAGAGCAGGCTTTCTGA
SIrop5-F	CACC ATGAGTGCTTCAAGGTTTATC
SIrop5-R	TCACAAAATAGAACATGCCTTTTGG
SIrop6-F	CACC ATGAGCGCATCCAGGTTTCATC
SIrop6-R	TCACAAAATTGAGCAGGCCCTTTGG
SIrop7-F	CACC ATGAGTGCTTCCAGGTTTATC
SIrop7-R	TTATAGTTGATCACAATATCGAGCA
SIrop8-F	CACC ATGACTACTGCTAGATTTCATC
SIrop8-R	TCATAGAATTGCACATAACGTCCTC
SIrop9-F	CACC ATGAATAGTAGTACTAGTGCT
SIrop9-R	TCAAAGTATCCAGCAGGCTTTGTGT
Primers for RT-PCR	
Primer name	Sequence (5'-3')
SIrop1-qPCR-F	CTAGCAGATCATATGGGCTCAA
SIrop1-qPCR-R	GTTGAGTTTTAGAGCTGCACTC
SIrop2-qPCR-F	ACAACGCATATCTAGCTGATCA
SIrop2-qPCR-R	CTGCATTCTACATAAGCTGCAG
SIrop3-qPCR-F	TTCCCATCAATTCGGTCTCTAG
SIrop3-qPCR-R	TGTAGCAGAATTAGTCGCATCT
SIrop4-qPCR-F	GTTGTCCGTTTGATTATAGGCC
SIrop4-qPCR-R	ACACAACAACATTTAGCAGACG
SIrop5-qPCR-F	GTAAAGCCAGCTATGAAACGT
SIrop5-qPCR-R	TTGTTCCAACAAGCACTATTGG
SIrop6-qPCR-F	GTTTCTGTTTTCTTTTTGCGG
SIrop6-qPCR-R	CGAGGATAAAATAGAGTGGCCT
SIrop7-qPCR-F	CTTCTTCTTCGTTGGTTGACAG
SIrop7-qPCR-R	CGATGACCCACTTCTTATCAGA
SIrop8-qPCR-F	TAACCTCAGTGCAAATGTGGTG
SIrop8-qPCR-R	GACATCAGCTCCTCTGTAACCT

Table S1

Continued

Primers for RT-PCR		
Primer name	Sequence (5'-3')	
SIrop9-qPCR-F	ACTTTGATCTAAGTCGCTGGAA	
SIrop9-qPCR-R	AGCCAGCAATAAACTCAACAAG	
SIUBQ7-qPCR-F	GATCGTATCAAGGAACGTGTTG	
SIUBQ7-qPCR-R	CTTTAGCTGTCTTGTCATCTGC	
Primers for Primers for mutagenesis		
Primer name	Sequence (5'-3')	
SIrop1-G15V-F	TGTAGGCGATGTTGCTGTTGGCAAGACCTGCATGCTCA	CA
SIrop1-G15V-R	TGCCAACAGCAACATCGCCTACAGTTACACATTTGATG	
SIrop2-G15V-F	TGTAGGTGATGTAGCTGTTGGAAAGACATGTATGTTAA	
SIrop2-G15V-R	TTCCAACAGCTACATCACCTACAGTCACACATTTGATG	
SIrop3-G17V-F	GGTTGGTGTATGTGGCTGTTGGCAAGACTTGTATGCTTA	
SIrop3-G17V-R	TGCCAACAGCCACATCACCAACCGTGACACATTTGATG	
SIrop4-G15V-F	CGTGGGCGATGTAGCTGTGGGTAAAACCTTGCTTCTCA	
SIrop4-G15V-R	TACCCACAGCTACATCGCCACGGTAACACACTTTATA	
SIrop5-G15V-F	CGTCGGCGATGTTGCCGTTGGAAAGACGTGTCTCTTGA	
SIrop5-G15V-R	TTCCAACGGCAACATCGCCGACGGTAACACATTTGATA	
SIrop6-G15V-F	CGTTGGTGTATGTTGCTGTTGGAAAGACATGCCTCTTGA	
SIrop6-G15V-R	TTCCAACAGCAACATCACCAACGGTGACACACTTGATG	
SIrop7-G15V-F	AGTGGGTGATGTTGCTGTTGGAAAGACTTGTCTTTTGA	
SIrop7-G15V-R	TTCCAACAGCAACATCACCCACTGTAACACACTTGATA	
SIrop8-G15V-F	TGTTGGTGTATGTAGCTGTTGGGAAAACCTTGTATGCTAA	
SIrop8-G15V-R	TCCCAACAGCTACATCACCAACAGTAACACATTTGATG	
SIrop9-G27V-F	TGTTGGAGATGTTGCTGTTGGAAAACTTGTCTTCTCA	
SIrop9-G27V-R	TTCCAACAGCAACATCTCCAACAGTAACACATTTGATG	
SIrop1-T20N-F	TGTTGGCAAGAACTGCATGCTCATTTGTTACACCAGTA	DN
SIrop1-T20N-R	TGAGCATGCAGTTCTTGCCAACAGCACCATCGCCTACA	
SIrop2-T20N-F	TGTTGGAAAGAACTGTATGTTAATTTGTTACACTAATA	
SIrop2-T20N-R	TTAACATACAGTTCTTTCCAACAGCTCCATCACCTACA	
SIrop3-T22N-F	TGTTGGCAAGAATTGTATGCTTATTTGCTATACCAGTA	
SIrop3-T22N-R	TAAGCATACAATTCTTGCCAACAGCCCCATCACCAACC	
SIrop4-T20N-F	TGTGGGTAAAAATTGTCTTCTCATTTTCGTATACCAGCA	
SIrop4-T20N-R	TGAGAAGACAATTTTTACCCACAGCTCCATCGCCACG	
SIrop5-T20N-F	CGTTGGAAAGAACTGTCTCTTGATTTCTTACACCAGCA	
SIrop5-T20N-R	TCAAGAGACAGTTCTTTCCAACGGCACCATCGCCGACG	
SIrop6-T20N-F	TGTTGGAAAGAACTGCCTCTTGATTTCTTACACCAGCA	
SIrop6-T20N-R	TCAAGAGGCAGTTCTTTCCAACAGCACCATCACCAACG	

Table S1

Continued

Primers for Primers for mutagenesis		
Primer name	Sequence (5'-3')	
SIRop7-T20N-F	TGTTGGAAAGAATTGTCTTTTGATTTCTTACACCAGCA	DN
SIRop7-T20N-R	TCAAAAGACAATTCTTTCCAACAGCACCATCACCCACT	
SIRop8-T20N-F	TGTTGGGAAAAATTGTATGCTAATTTCATACACTAGTA	
SIRop8-T20N-R	TTAGCATACAATTTTTCCCAACAGCTCCATCACCAACA	
SIRop9-T32N-F	TGTTGGAAAAAATTGTCTTCTCATCTCCTACACTAGCA	
SIRop9-T32N-R	TGAGAAGACAATTTTTTCCAACAGCACCATCTCCAACA	
SIRop3-2B-F	GAAAAACAAGAAGAGGGATGTCTCATGAATGTGATGTGCG	-2B
SIRop3-2B-R	TGAGACATCCCTCTTCTTGTTTTTCTTCTCCTTTTGCTTT	
SIRop3-3B-F	GCAAAAGGAGGAGGAAGAACAACGTCGGGGATGTCTCATGAATG	-3B
SIRop3-3B-R	CCCGACGTTGTTCTTCTCCTCCTTTTGCTTTTGTTGGTGGCTTG	
SIRop3+L-F	TTGTTTAAAGCTATGAAAGGGTGGGCGCGCCGACCCAG	+L
SIRop3+L-R	CACCCTTTCATAGCTTTAAACAAACGAGCTTCCTTCCG	