

**Supplemental Table 3 related to Star Methods. Primer sequences.**

<b>oligo name and sequence</b>	<b>source</b>
<i>chn-1</i> Forward: 5' GGGAATTCCATATGGCCACCATGTACTG ATATCGAAATGAACCGCCTGGGTAAGATGT CAAGCGGCGCCGAAC 3'	This Study
<i>chn-1</i> Reverse: 5' CCGCCGCTCGAGAACCATGCCTCCGGGTT C 3'	This Study
<i>chn-1</i> H218Q Forward: 5' GAAATTGTGCAGCAGTTGAGAAGAATTGG 3'	This Study
<i>chn-1</i> H218Q Reverse: 5' CCAATTCTTCTCAACTGCTGCACAATTC 3'	This Study
<i>chn-1</i> ΔU-box Forward: 5' GGGAATTCCATATGGCCACCATGTACTG ATATCGAAATGAACCGCCTGGGTAAGATGT CAAGCGGCGCCGAAC 3'	This Study
<i>chn-1</i> ΔU-box Reverse: 5' CCGCCGCTCGAGCTCCCTGTTTTGCCGTTT TTCTTG 3'	This Study
<i>chn-1</i> N9D, K13A, Forward: 5' GAACAACATGATACTAATGGCAAAAAGTGT TATATGAATAAAAAG 3'	This Study
<i>chn-1</i> N9D, K13A, Reverse: 5' CTTTTATTCATATAACACTTTTTGCCATTAG TATCATGTTGTTTC 3'	This Study
<i>chn-1</i> K73A, Forward: 5' GAGCCCAAACGAAGTGAAAGTAAGCTTTCA ACTCTTGAAG 3'	This Study
<i>chn-1</i> K73A, Reverse: 5' CTTCAAGAGTTGAAAGCTTACTTTCACTTC GTTTGGGCTC 3'	This Study
<i>ufd-2</i> Forward: 5' CGGGGTACCATGATTGAAGACGAGAAAGC AG 3'	This Study
<i>ufd-2</i> Reverse: 5' GTACGGCCGTTATTTCTTTGAATTTCTTTTC TGG 3'	This Study
<i>wwp-1</i> Forward: 5' TCCCCCGGGGGGAATGGCTCGTAATGAA CCATCATC 3'	This Study
<i>wwp-1</i> Reverse: 5' CCGACGTCGACGCGTCTACTCGTTTCCAAA TCCTCCG 3'	This Study
<i>sip-1</i> Forward (qPCR): 5' AAGAGATCGTTCACTCGCCAG 3'	This Study

<i>sip-1</i> Reverse (qPCR): 5' AGCCAAGTCGACGTCCTTTG 3'	This Study
<i>sod-3</i> Forward (qPCR): 5' TTCTGACATCACTATTGCGG 3'	This Study
<i>sod-3</i> Reverse (qPCR): 5' GTTGGCAATCTTCCAAATAGC 3'	This Study
<i>act-3</i> Forward (qPCR): 5' CCACCATGTACCCAGGAATT 3'	This Study
<i>act-3</i> Reverse (qPCR): 5' AGAGGGAAGCGAGGATAGAT 3'	This Study
<i>tbg-1</i> Forward (qPCR): 5' CAATGTGCCCATCAATTCGG 3',	This Study
<i>tbg-1</i> Reverse (qPCR): 5' AACAAGAAGCGAGTGACGTC 3'	This Study
MBP-INSR Forward: 5'CAGGGAATTCGGCCCCCTCATCTTTGTC- 3'	This Study
MBP-INSR Reverse: 5'CCGAGCGTGGAATTCTTAGGAAGGATTG GACCGAGGC-3'	This Study
INSR-Forward: 5'-CAGGAAGCTTGCGATGGCCACCGGG GCCGGC-3'	This Study
INSR-Reverse: 5'-CGAGCGTGCGATCGTTAGGAAGGAT TGGACCGAGGCAAGG-3'	This Study
INSR-Forward K1047R: 5'-GCAATGCCAGGGACATCATCAGGG GTGAGGCAGAGACC-3'	This Study
INSR-Reverse K1047R: 5'-GGTCTCTGCCTCACCCCTGATGATG TCCCTGGCATTGCC-3'	This Study
INSR-Forward (qPCR): 5'-CAGTGATGTGTTTCCATGCTC-3'	This Study
INSR-Reverse (qPCR): 5'-CACCCCTTGATGATGTCCCT-3'	This Study
GAPDH-Forward (qPCR): 5'-TGAGAAGTATGACAACAGCCT -3	Ulbricht et al., 2015
GAPDH-Reverse (qPCR): 5'-GATGATGTTCTGGAGAGCCC -3'	Ulbricht et al., 2015
B2M-Forward (qPCR): 5'-TGTCCTTCAGCAAGGACTGG -3'	Ulbricht et al., 2015
B2M-Reverse (qPCR): 5'-GCAAGCAAGCAGAATTTGGA -3'	Ulbricht et al., 2015
dINSR-Forward-Ncol: 5'GAATTCGCCATGGTACTCAGCGGAG AACAACATTTG-3'	This Study

dINSR-Reverse-XhoI: 5'-GCTTACTCGAGTTACGCCTCCCTTCCG ATG-3'	This Study
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