

Table S2. List of codon-optimized, intron-containing nucleotide sequences of *ScCK*, *AtIPK*, *IDI*, and *MsLS*.

ScCK

ATGGTACAAGAGTCCCGCCCCGGCTCCGTCCGCTCCTACTCCGTCCGATAC
 CAGgtgagtcgacgagcaagccccggcgatcaggcagcgtgcttgagatttgacttgcaacccccgattgtgtcga
 cgaaggcttttggctcctctgtcgtgtgtcgaagcagcatctaaccctgcgtcgccgtttccatttgagGCCCCGCTCG
 CGCTCCTCCTCTCAACGAAGACACTCCCTGACCCGCCAGCGAAGCAGCCA
 GCGCCTGATCCGCACCATCAGCATCGAGAGCGACGTCAGCAACATCACCG
 ACGACGACGACCTGCGCGCCGTGAACGAGGGCGTGGCCGGCGTGCAACT
 GGACGTCAGCGAGACCGCCAACAAGGGCCCCCGCCGCGCCAGCGCCACC
 GACGTGACCGATAGCCTGGGAAGCACCAGTAGCGAGTACATCGAGATCCC
 CTTCGTGAAGGAGACCCTGGACGCCAGCCTGCCAAGCGACTACCTGAAGC
 AAGACATCCTGAACCTGATCCAGAGCCTGAAGATCAGCAAGTGGTACAAC
 AACAAGAAGATCCAGCCCGTGGCCCAAGACATGAACCTAGTGAAGATCAG
 CGgtgagtcgacgagcaagccccggcgatcaggcagcgtgcttgagatttgacttgcaacccccgattgtgtcga
 aaggcttttggctcctctgtcgtgtgtcgaagcagcatctaaccctgcgtcgccgtttccatttgagGCGCCATGAC
 CAACGCCATCTTCAAGGTGGAGTACCCCAAGCTGCCAAGCCTGCTGCTGC
 GCATCTACGGCCCCAACATCGACAACATCATCGACCGCGAATACGAGCTGC
 AAATCCTGGCCCGCCTGAGCCTGAAGAACATCGGACCCAGCCTATACGGCT
 GCTTCGTGAACGGCCGCTTCGAACAGTTCCTGGAGAACAGCAAGACCCTG
 ACCAAGGACGACATCCGCAACTGGAAGAACAGCCAGCGCATCGCCCGCCG
 CATGAAGGAGCTGCACGTCGGCGTGCCCTGCTGAGTAGCGAGCGCAAGA
 ACGGAAGCGCCTGCTGGCAAAGATCAACCAGTGGCTGCGCACCATCGAG
 AAAGTGGACCAATGGGTTGgtgagtcgacgagcaagccccggcgatcaggcagcgtgcttgagattt
 gacttgcaacccccgattgtgtcgaaggaaggcttttggctcctctgtcgtgtgtcgaagcagcatctaaccctgcgtcgcc
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 AGGAGCAAGGCATCGAGCAAGTGAACAAGAACCTGATCTTCTGCCACAAC
 GACGCCCAATACGGCAACCTGCTGTTACCGCCCCCGTGATGAACACCCCA
 AGCCTGTACACCGCCCCAAGTAGCACCAGCCTGACCAGCCAAAGCAGTAG
 CCTGTTCCCAAGTAGTAGCAACGTGATCGTGGACGACATCATCAACCCCCC
 CAAGCAAGAGCAGAGCCAGGACAGCAAGCTGGTAGTGATCGACTTCGAAT
 ACGCCGGCGCCAACCCCGCCGCCTACGACCTGGCCAACCACTGAGCGAG
 TGGATGTACGACTACAACAACGCCAAGgtgagtcgacgagcaagccccggcgatcaggcagc
 gtgcttgagatttgacttgcaacccccgattgtgtcgaaggaaggcttttggctcctctgtcgtgtgtcgaagcagcatcta
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 CAAGGAGCAAGTGCTGAACTTCCTGTATAGCTACGTCAGCCACCTGCGCGG
 CGGCGCCAAGGAGCCCATCGACGAGGAAGTGCAACGCCTGTACAAGAGC
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 GCGAGGAGATCGGCCCAACGGAAAGAAGTACATCATCAAGACCGAGCCC
 GAGAGCCCCGAGGAGGACTTCGTGGAGAACGACGACGAGCCCGAGGCCG
 GCGTCAGCATCGACACCTTCGACTACATGGCCTACGGCCGCGACAAGATCG
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GCAAGAACTTCAGTAGCTTCAAGTTCCTGGACACCAGCTACCTGtaaGCGG

AIIPK

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IDI

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MsLS

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