

SHW-L1_TaABI4-1A ATGGAACACAAACCCAACCCAGCAGTGTCTCCACTACCACCTACGAGGCCGAAGCAGCAGCCACGCTCGGGAGCAGCGTGAGCAGCCGCGGCCGGAAGG 100
CM32_TaABI4-1A ATGGAACACAAACCCAACCCAGCAGTGTCTCCACTACCACCTACGAGGCCGAAGCAGCAGCCACGCTCGGGAGCAGCGTGAGCAGCCGCGGCCGGAAGG 100
SHW-L TaABI4-1B ATGGAACACAAACCCAACCCAGCAGTGTCTCCACTACCACCTACGAGGCCGAAGCAGCAGCCACGCTCGGGAGCAGCGTGAGCAGCTCCGCGGCCGGAAGG 100
CM32_TaABI4-1B ATGGAACACAAACCCAACCCAGCAGTGTCTCCACTACCACCTACGAGGCCGAAGCAGCAGCCACGCTCGGGAGCAGCGTGAGCAGCTCCGCGGCCGGAAGG 100
SHW-L1 TaABI4-1D ATGGAACACAAACCCAACCCAGCAGTGTCTCCACTACCACCTACGAGGCCGAAGCAGCAGCCACGCTCGGGAGCAGCGTGAGCAGCCGCGGCCGGAAGG 100
CM32 TaABI4-1D ATGGAACACAAACCCAACCCAGCAGTGTCTCCACTACCACCTACGAGGCCGAAGCAGCAGCCACGCTCGGGAGCAGCGTGAGCAGCCGCGGCCGGAAGG 100
Consensus atggaacacaaacccaacccagcagtgctt cc ctaccacta cgagggccgaagcagcagc acgtcgggagcagcg gagcag g cggccggaagg

SHW-L1_TaABI4-1A GGAAGGCGGGGCAAGGGCGGGCCGGAGAACGCCAAGTTCAGGTACCGTGGCGTGCGGCAGCGGAGCTGGGGCAAGTGGGTGGCGGAGATCCGGGAGCC 200
CM32_TaABI4-1A GGAAGGCGGGGCAAGGGCGGGCCGGAGAACGCCAAGTTCAGGTACCGTGGCGTGCGGCAGCGGAGCTGGGGCAAGTGGGTGGCGGAGATCCGGGAGCC 200
SHW-L TaABI4-1B GGAAGGCGGGGCAAGGGCGGGCCGGAGAACGCCAAGTTCAGGTACCGTGGCGTGCGGCAGCGGAGCTGGGGCAAGTGGGTGGCGGAGATCCGGGAGCC 200
CM32 TaABI4-1B GGAAGGCGGGGCAAGGGCGGGCCGGAGAACGCCAAGTTCAGGTACCGTGGCGTGCGGCAGCGGAGCTGGGGCAAGTGGGTGGCGGAGATCCGGGAGCC 200
SHW-L1 TaABI4-1D GGAAGGCGGGGCAAGGGCGGGCCGGAGAACGCCAAGTTCAGGTACCGTGGCGTGCGGCAGCGGAGCTGGGGCAAGTGGGTGGCGGAGATCCGGGAGCC 200
CM32 TaABI4-1D GGAAGGCGGGGCAAGGGCGGGCCGGAGAACGCCAAGTTCAGGTACCGTGGCGTGCGGCAGCGGAGCTGGGGCAAGTGGGTGGCGGAGATCCGGGAGCC 200
Consensus ggaagggcgggcaagggcgggccggagaaacgccaaagtctcaggtaccgtggcgtgcggcagcggagctggggcaagtgggtggcggagatccgggagcc

SHW-L1_TaABI4-1A CCGCAAGCGCTCTCGCAAGTGGCTCGGCACCTTCGCCACTGCCGAGGAGCGCCGCGCGCGCTACGACCCGCGCGCGCTGCTCTACGGCCCCTGTGCC 300
CM32 TaABI4-1A CCGCAAGCGCTCTCGCAAGTGGCTCGGCACCTTCGCCACTGCCGAGGAGCGCCGCGCGCGCTACGACCCGCGCGCGCTGCTCTACGGCCCCTGTGCC 300
SHW-L TaABI4-1B CCGCAAGCGCTCTCGCAAGTGGCTCGGCACCTTCGCCACTGCCGAGGATGCCGCGCGCGCTACGACCCGCGCGCGCTGCTCTACGGCCCCTGTGCC 300
CM32 TaABI4-1B CCGCAAGCGCTCTCGCAAGTGGCTCGGCACCTTCGCCACTGCCGAGGATGCCGCGCGCGCTACGACCCGCGCGCGCTGCTCTACGGCCCCTGTGCC 300
SHW-L1 TaABI4-1D CCGCAAGCGCTCTCGCAAGTGGCTCGGCACCTTCGCCACTGCCGAGGAGCGCCGCGCGCGCTACGACCCGCGCGCGCTGCTCTACGGCCCCTGTGCC 300
CM32 TaABI4-1D CCGCAAGCGCTCTCGCAAGTGGCTCGGCACCTTCGCCACTGCCGAGGAGCGCCGCGCGCGCTACGACCCGCGCGCGCTGCTCTACGGCCCCTGTGCC 300
Consensus ccgcaagcgctc cgcaagtggctcggcaccttcgccactgccgagga gccgcgcgcgctacgaccgcg cgctgctcctctacggccc cgtgcc

SHW-L1_TaABI4-1A CACCACAACCTCACCGCGCCGCCCTGGCCCCGGGGCGGACTCCACCCCCGGCCCTGGGGTCTCGGCTTCTTCTCTCGAGCTCTCCGGCCCTC 400
CM32 TaABI4-1A CACCACAACCTCACCGCGCCGCCCTGGCCCCGGGGCGGACTCCACCCCCGGCCCTGGGGTCTCGGCTTCTTCTCTCGAGCTCTCCGGCCCTC 400
SHW-L TaABI4-1B CACCACAACCTCACCGCGCCGCCCTGGCCCCGGGGCGGACTCCACCCCCGGCCCTGGGGTCTCGGCTTCTTCTCTCGAGCTCTCCGGCCCTC 400
CM32 TaABI4-1B CACCACAACCTCACCGCGCCGCCCTGGCCCCGGGGCGGACTCCACCCCCGGCCCTGGGGTCTCGGCTTCTTCTCTCGAGCTCTCCGGCCCTC 400
SHW-L1 TaABI4-1D CACCACAACCTCACCGCGCCGCCCTGGCCCCGGGGCGGACTCCACCCCCGGCCCTGGGGTCTCGGCTTCTTCTCTCGAGCTCTCCGGCCCTC 400
CM32 TaABI4-1D CACCACAACCTCACCGCGCCGCCCTGGCCCCGGGGCGGACTCCACCCCCGGCCCTGGGGTCTCGGCTTCTTCTCTCGAGCTCTCCGGCCCTC 400
Consensus cacctcaacctcacggcgccgccctggccccggggcgag cccacccccggcccttggggtcctggctcttcttctcagctcctccgctcccgcc c

SHW-L1_TaABI4-1A CGCCGCTCCGGCCGCTCTTGCCGCGCCCGCCGAGCACTCAGGTGGCGCGGGGGGGTCTTCCACACCACCACCACCAACCAACCAATACCCTTCTCTGCC 500
CM32 TaABI4-1A CGCCGCTCCGGCCGCTCTTGCCGCGCCCGCCGAGCACTCAGGTGGCGCGGGGGGGTCTTCCACACCACCACCACCAACCAACCAATACCCTTCTCTGCC 500
SHW-L TaABI4-1B CGCCGCTCCGGCCGCTCTTGCCGCGCCCGCCGAGCACTCAGGTGGCGCGGGGGGGTCTTCCACACCACCACCAC.....CAATACCCTTCTCTGCC 494
CM32 TaABI4-1B CGCCGCTCCGGCCGCTCTTGCCGCGCCCGCCGAGCACTCAGGTGGCGCGGGGGGGTCTTCCACACCACCACCAC.....CAATACCCTTCTCTGCC 494
SHW-L1 TaABI4-1D CGCCGCTCCGGCCGCTCTTGCCGCGCCCGCCGAGCACTCAGGTGGCGCGGGGGGGTCTTCCACACCACCACCAC.....CAATACCCTTCTCTGCC 497
CM32 TaABI4-1D CGCCGCTCCGGCCGCTCTTGCCGCGCCCGCCGAGCACTCAGGTGGCGCGGGGGGGTCTTCCACACCACCACCAC...CAATACCCTTCTCTGCC 497
Consensus cgccgctccggccgctcttgccgcgcccgccgag actcaggtggcgccgggggggtcttcca caccaccaccac caataccgcttctctgcc

SHW-L1_TaABI4-1A GCTCCGCTGTGACTGCACCGTCCAGTGCAGCGCTCTGACTACGCGAGCACAGCCACCGGCTCCACGGTGACCACACCGGTGGCGTGGCGCGCCGCAC 600
CM32 TaABI4-1A GCTCCGCTGTGACTGCACCGTCCAGTGCAGCGCTCTGACTACGCGAGCACAGCCACCGGCTCCACGGTGACCACACCGGTGGCGTGGCGCGCCGCAC 600
SHW-L TaABI4-1B GCTCCGCTGTGACTGCACCGTCCAGTGCAGCGCTCTGACTACGCGAGCACAGCCACCGGCTCCACGGTGACCACACCGGTGGCGTGGCGCGCCGCAC 588
CM32 TaABI4-1B GCTCCGCTGTGACTGCACCGTCCAGTGCAGCGCTCTGACTACGCGAGCACAGCCACCGGCTCCACGGTGACCACACCGGTGGCGTGGCGCGCCGCAC 588
SHW-L1 TaABI4-1D GCTCCGCTGTGACTGCACCGTCCAGTGCAGCGCTCTGACTACGCGAGCACAGCCACCGGCTCCACGGTGACCACACCGGTGGCGTGGCGCGCCGCAC 591
CM32 TaABI4-1D GCTCCGCTGTGACTGCACCGTCCAGTGCAGCGCTCTGACTACGCGAGCACAGCCACCGGCTCCACGGTGACCACACCGGTGGCGTGGCGCGCCGCAC 591
Consensus gctccg gtgac caccgctc agtgcgagcctctg actacgagcagcacagccaccggtccacggtgaccac acggtggcgc cggc cac

SHW-L1_TaABI4-1A GAGACGACTGCCTCGTTACCAGTGGCTTCGTCATCTACCGTGGCCGCCAGGATGGTGTCCGGCGGAGGGCGCAGAGGCTGAGGTGACCCCCGAATGGT 700
CM32 TaABI4-1A GAGACGACTGCCTCGTTACCAGTGGCTTCGTCATCTACCGTGGCCGCCAGGATGGTGTCCGGCGGAGGGCGCAGAGGCTGAGGTGACCCCCGAATGGT 700
SHW-L TaABI4-1B GAGACGACTGCCTCGTTACCAGTGGCTTCGTCATCTACCGTGGCCGCCAGGATGGTGTCCGGCGGAGGGCGCAGAGGCTGAGGTGACCCCCGAATGGT 688
CM32 TaABI4-1B GAGACGACTGCCTCGTTACCAGTGGCTTCGTCATCTACCGTGGCCGCCAGGATGGTGTCCGGCGGAGGGCGCAGAGGCTGAGGTGACCCCCGAATGGT 688
SHW-L1 TaABI4-1D GAGACGACTGCCTCGTTACCAGTGGCTTCGTCATCTACCGTGGCCGCCAGGATGGTGTCCGGCGGAGGGCGCAGAGGCTGAGGTGACCCCCGAATGGT 691
CM32 TaABI4-1D GAGACGACTGCCTCGTTACCAGTGGCTTCGTCATCTACCGTGGCCGCCAGGATGGTGTCCGGCGGAGGGCGCAGAGGCTGAGGTGACCCCCGAATGGT 691
Consensus gagacgactgcc cgtt ccag ggcttcgctatctacg tggccgccaggatggtg ccggcgg gggcgagaggctgaggtgacccccgaatggt

SHW-L1_TaABI4-1A ACCTTGCCCGCAGGAGGAGGACTACGAGGCGCGCTGCTGTGGAATGAACCTGATCCCTTGTTTCGACATCTTCTCCAAGTG 782
CM32 TaABI4-1A ACCTTGCCCGCAGGAGGAGGACTACGAGGCGCGCTGCTGTGGAATGAACCTGATCCCTTGTTTCGACATCTTCTCCAAGTG 782
SHW-L TaABI4-1B ACCTTGCCCGCAGGAGGAGGACTACGAGGCGCGCTGCTGTGGAATGAACCTGATCCCTTGTTTCGACATCTTCTCCAAGTG 770
CM32 TaABI4-1B ACCTTGCCCGCAGGAGGAGGACTACGAGGCGCGCTGCTGTGGAATGAACCTGATCCCTTGTTTCGACATCTTCTCCAAGTG 770
SHW-L1 TaABI4-1D ACCTTGCCCGCAGGAGGAGGACTACGAGGCGCGCTGCTGTGGAATGAACCTGATCCCTTGTTTCGACATCTTCTCCAAGTG 773
CM32 TaABI4-1D ACCTTGCCCGCAGGAGGAGGACTACGAGGCGCGCTGCTGTGGAATGAACCTGATCCCTTGTTTCGACATCTTCTCCAAGTG 773
Consensus accttgcccgccagagagaggactacgaggc gcgctgctgtggaatgaacctgatcccttgtttcgacatcttctccaagt