

Ty1 Ty1/Ty1

chilense

L. hirsutum

Mi/Mi

Ty1+/TY1+

Mi+/Mi+

L. esculentum

cerasiforme

TY52-R2	TGCAAGCAAATTGACTAGCTTGACGTAAGGGATCTGCACTTACATCGGTATCCTGTTGAG	60
902-R2	TGCAAGCAAATTGACTAGCTTGACGTAAGGGATCTGCACTTgCATCGGTATCCTGTTGAG	60
Motelle-REX	TGCAAGCAAATTGACTAGCTTGACGTAAGGGATCTGCACTTgCATCGGTATCCTGTTGAG	60
G2hREX	TGCAAGCAAATTGACTAGCTTGACGTAAGGGATCTGCACTTgCATCGGTATCCTGTTGAG	60
TY50-R2	TGCAAGCAAAGTGACTAGCTTGACGTAAGGGATCTGCACTTACATCGGTATCCTGTTGAG	60
M82REX	TGCAAGCAAAGTGACTAGCTTGACGTAAGGGATCTGCACTTACATCGGTATCCTGTTGAG	60
CERREX	TGCAAGCAAAGTGACTAGCTTGACGTAAGGGATCTGCACTTACATCGGTATCCTGTTGAG	60
Consensus	tgcaagcaaaa tgactagcttgacgtaagggatctgcactt catcggtatcctgttgag	
TY52-R2	TTGCATAACCAGAAAACCGTGGACTTTGCTTTGACTTTTTTACCTGATTACAGATGGACAT	120
902-R2	TTGCATAACCAGAAAACCGTGGACTTTGCTTTGACTTTTTTACCTGATTACAGATGGACAT	120
Motelle-REX	TTGCATAACCAGAAAACCGTGGACTTTGCTTTGACTTTTTTACCTGATTACAGATGGACAT	120
G2hREX	TTGCATAACCAGAAAACCGTGGACTTTGCTTTGACTTTTTTACCTGATTACAGATGGACAT	120
TY50-R2	TTGCATAACCAGAAAACCaTGGACTTTGCTTTGACTTTTTTACCTGATTACAGATGaACAT	120
M82REX	TTGCATAACCAGAAAACCaTGGACTTTGCTTTGACTTTTTTACCTGATTACAGATGaACAT	120
CERREX	TTGCATAACCAGAAAACCaTGGACTTTGCTTTGACTTTTTTACCTGATTACAGATGaACAT	120
Consensus	ttgcataaccagaaaacc tggactttgctttgactttttttacctgattcacgatg acat	
TY52-R2	CTTCTCCTCTAATTCAGCTTCAGATAATAGATCATAACTCTTGCCATTGCAGGCATTAT	180
902-R2	CTtTCTCCTCTAATTCAGCTTCAGATAATAGATCATAACTCTTGCCATTGCAGGCATTAT	180
otelle-REX	CTtTCTCCTCTAATTCAGCTTCAGATAATAGATCATAACTCTTGCCATTGCAGGCATTAT	180
G2hREX	CTtTCTCCTCTAATTCAGCTTCAGATAATAGATCATAACTCTTGCCATTGCAGGCATTAT	180
TY50-R2	CTtTCTCCTCTAATTCAGCTTCAGATAATAGATCATAACTCTTGCCATTGCAGGCATTAT	180
MM82REX	CTtTCTCCTCTAATTCAGCTTCAGATAATAGATCATAACTCTTGCCATTGCAGGCATTAT	180
CERREX	CTtTCTCCTCTAATTCAGCTTCAGATAATAGATCATAACTCTTGCCATTGCAGGCATTAT	180
Consensus	ct tctcctctaattcagcttcagataatagatcataactcttgccattgcaggcattat	
TY52-R2	CCTTCTTAACCATACTGGATTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	240
902-R2	CCTTCTTAACCATACTGGATTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	240
Motelle-REX	CCTTCTTAACCATACTGGATTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	240
G2hREX	CCTTCTTAACCATACTGGATTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	240
TY50-R2	CCTTCTTAACCATACTGGATTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	240
M82REX	CCTTCTTAACCATACTGGATTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	240
CERREX	CCTTCTTAACCATACTGGATTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	240
Consensus	ccttcttaaccatactggatTTATTGGAGAACCACATATTTTACCATCAGAAGACCTCT	
TY52-R2	TGGGACTAGAAGTGGGTAAGGCTGAAGAGGGAGCAACAGAAGGTCGCGAATTGCATaGAT	300
902-R2	TGGGACTAGAAGTGGGaAAGGCTGAAGAGGGAGCAACAGAAGGTCGCGAATTGCATaGAT	300
Motelle-REX	TGGGACTAGAAGTGGGaAAGGCTGAAGAGGGAGCAACAGAAGGTCGCGAATTGCATaGAT	300
G2hREX	TGGGACTAGAAGTGGGaAAGGCTGAAGAGGGAGCAACAGAAGGTCGCGAATTGCATaGAT	300
TY50-R2	TGGGACTAGAAGTGGGTAAGGCTGAAGAGGGAGCAACAGAAGGTCGCGAATTGCATaGAT	300
M82REX	TGGGACTAGAAGTGGGTAAGGCTGAAGAGGGAGCAACAGAAGGTCGCGAATTGCATaGAT	300
CERREX	TGGGACTAGAAGTGGGTAAGGCTGAAGAGGGAGCAACAGAAGGTCGCGAATTGCATaGAT	300
Consensus	tgggactagaagtggg aaggctgaagaggagcaacagaaggtcgcggaattgcat gat	
TY52-R2	CCTTTTGTGAAGAATCTGCAGCTTTAACACTCAACAAAGATAGAGTACTATCCAGATCTT	360
902-R2	CCTTTTGTGAAGAATCTGCAGCTTTAACACTCAACAAAGATAGAGTACTATCCAGATCTT	360
Motelle-REX	CCTTTTGTGAAGAATCTGCAGCTTTAACACTCAACAAAGATAGAGTACTATCCAGATCTT	360
G2hREX	CCTTTTGTGAAGAATCTGCAGCTTTAACACTCAACAAAGATAGAGTACTATCCAGATCTT	360
TY50-R2	CCTTTTGTGAAGAATCTGCAGCTTTAACACTCAACAAAGATAGAGTACTATCCAGATCTT	360
M82REX	CCTTTTGTGAAGAATCTGCAGCTTTAACACTCAACAAAGATAGAGTACTATCCAGATCTT	360
CERREX	CCTTTTGTGAAGAATCTGCAGCTTTAACACTCAACAAAGATAGAGTACTATCCAGATCTT	360
Consensus	ccttttgtgaagaatctgcagctTTAACACTCAACAAAGATAGAGTACTATCCAGATctt	

TY52-R2	GCCCAGCCTGCTGTTCCCTTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	420
902-R2	GCCCAGCCTGCTGTTCCCTTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	420
Motelle-REX	GCCCAGCCTGCTGTTCCCTTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	420
G2hREX	GCCCAGCCTGCTGTTCCCTTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	420
TY50-R2	GCCCAGCCTGCTGTTCCCTTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	420
M82REX	GCCCAGCCTGCTGTTCCCTTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	420
CERREX	GCCCAGCCTGCTGTTCCCTTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	420
Consensus	gcccagcctgctgttcctTTTTAACTTGACCTGTTCCAGCACTACCTTTGCTTGCACTAG	

TY52-R2	TGTCCTTCCGGTCAGACAAGGAGACCCTTGCTACCTTTTCCTTCTCGGAGATGTCATCAC	480
902-R2	TGTCCTTCCGGTCAGACAAGGAGACCCTTGCTACCTTTTCCTTCTCGGAGATGTCATCAC	480
Motelle-REX	TGTCCTTCCGGTCAGACAAGGAGACCCTTGCTACCTTTTCCTTCTCGGAGATGTCATCAC	480
G2hREX	TGTCCTTCCGGTCAGACAAGGAGACCCTTGCTACCTTTTCCTTCTCGGAGATGTCATCAC	480
TY50-R2	TGTCCTTCCGGTCAGACAAGGAGACCCTTGCTACCTTTTCCTTCTCGGAGATGTCATCAC	480
M82REX	TGTCCTTCCGGTCAGACAAGGAGACCCTTGCTACCTTTTCCTTCTCGGAGATGTCATCAC	480
CERREX	TGTCCTTCCGGTCAGACAAGGAGACCCTTGCTACCTTTTCCTTCTCGGAGATGTCATCAC	480
Consensus	tgtccttccggtcagacaaggagacccttgctacctTTTCCTTCTCGGAGATGTCATCAC	

TCGA

TY52-R2	ATATTTTTTCCATAGAATCCTGGGGATTACATGTCAAGGAATCTCGAAGTTCTCTCGCTT	540
902-R2	ATATTTTTTCCATAGAATCtTGGGGATTACATGTCAAGGAATCTCGAAGTTCTCTCcCTT	540
Motelle-REX	ATATTTTTTCCATAGAATCtTGGGGATTACATGTCAAGGAATCTCGAAGTTCTCTCcCTT	540
G2hREX	ATATTTTTTCCATAGAATCtTGGGGATTACATGTCAAGGAATCTCGAAGTTCTCTCcCTT	540
TY50-R2	ATATTTTTTCCATAGAATCCTGGGGATTACATGTCAAGGAATCTCGcAGTTCTCTCcCTT	540
M82REX	ATATTTTTTCCATAGAATCCTGGGGATTACATGTCAAGGAATCTCGcAGTTCTCTCcCTT	540
CERREX	ATATTTTTTCCATAGAATCCTGGGGATTACATGTCAAGGAATCTCGcAGTTCTCTCcCTT	540
Consensus	atatTTTTTccatagaatc tggggattacatgtcaaggaatctcg agttctctc ctt	

TY52-R2	TTCTCTTAATCGGAGAATCATTATTGTCACACTTCCCCTTATGCGTTGACACATCGGAAA	600
902-R2	TTCTCTTAATCGGAGAATCATTATTGTCACACTTCCCCTTATGCGTTGACACATCGGAAA	600
Motelle-REX	TTCTCTTAATCGGAGAATCATTATTGTCACACTTCCCCTTATGCGTTGACACATCGGAAA	600
G2hREX	TTCTCTTAATCGGAGAATCATTATTGTCACACTTCCCCTTATGCGTTGACACATCGGAAA	600
TY50-R2	TTCTCTTAATCGGAGAATCATTATTGTCACACTTCCCCTTATGCGTTGACACATCGGAAA	600
M82REX	TTCTCTTAATCGGAGAATCATTATTGTCACACTTCCCCTTATGCGTTGACACATCGGAAA	600
CERREX	TTCTCTTAATCGGAGAATCATTATTGTCACACTTCCCCTTATGCGTTGACACATCGGAAA	600
Consensus	ttctcttaatcggagaatcattattgtcacacttccccttatgcgttgacacatcggaaa	