

(A) Xop411 (domain 1-2-3-3)

ATGGCAATTGTAAACATCGACTTAGATACACCTCGTCCAGATGGAAAACCTGGGGAC^{IR₁}_{gacaacg}
ccc>TGTGGCATTGGAAAGGTGAACGGGAACCTTCGCGGACGTCCAATCCCAGATCACTGCC
GAagtgtctgcTA^{IR₂}_{ggcag}^{DR₁}**TCGGCGATATCTGCTGTGCAGACCACCGTGGCAGCAAAGGCATCA**
TCCTCTGATCTAGC^{DR₁}_{ggcag}**AGATTTTCGGCAC**^{DR₁}_{ggcag}**AGTGCGGACAACGCTATCTCCGCTA**
CGGTCACAGCTCAAGGACAGGCCATCAACCAGCGTGCCTTAGCACAGATTTGAC^{ggc}
^{DR₁}_{DR₂}**agAGGCAACAGCAA**^{ggcagggcgc}**AGACGCGTCAATACAGGCGACTACAGGCCGCAGAC**
GCGTCAATACAGGCGACTA^{DR₂}_{cagggcgc}**AGACGCGTCAATACAGGCGACTA**^{DR₂}_{cagggcgc}
^{IR₂}_{act}GCTCTAGGCGCACGAATTGACGATGTGCTGAGCATGGTGGGTGCGAACAGGCTGCTCA
ACCCAGGATTTACT^{IR₁}_{cgggctc}

(B) Xp10 (domain 1-2-2-3)

ATGGCAATTGTGAACATCGACTTAGATACACCTCGTCCGATGGAAAACCTGGGGACGAC
GCCC>GTGGCA^{IR₃}_{ttcagcaa}GGTTAATGCTAACTTTGCTGACGTCCAATCCCAGATCAC^{DR₁}_{ggcag}A
AGTTTCGGCAA^{DR₁}_{ggcag}**TCGGCAATATCTTCTGTGCAGACCACAGTGGCAGCAAAGGCTA**
CATCCTCTGACCTTGCAGCAGAGATTTTCGGCAC^{DR₁}_{ggcag}**AGTGCGGACAACGCTATCTCC**
TCCACGGTCACAGCACAAGGACAGGCCATCAACCAGCGTGCCCTTAGCACTGACCTA
TCAGCTGAGATCGCCGCAA^{DR₁}_{ggcag}**AGTGCGGACAACGCTATCTCCTCCACGGTCACAG**
CACAAGGACAGGCCATCAACCAGCGTGCCCTTAGCACTGACCTATCAGCTGAGATCG
CCGCAA^{DR₁}_{ggcag}**AGTGCGGACAACGCTATCTCCTCCACGGTCACAGCACAAGGACAGGC**
CATCAACCAGCGTGCCCTTAGCACTGACCTATCAGCTGAGATCGCCGCAA^{DR₁}_{DR₂}**ggcagggcgc**
AGACGCGGCACTACAGGCGGCGCAGCAGACAGCAGACACCGCTCTAGGCGCACGTATT
GATGATGTGTTGTCAATGACGGGCCGTAACAGG^{IR₃}_{ttgctgaa}

(C) OPI (domain 1-2-3)

ATGGCAATTGTGAACATCGACTTAGATACACCTCGTCCAGATGGAAAACCTGGGGACGACG
CTCGTGCGGCA^{IR₃}_{ttcagcaa}GGTTAATTCAAACCTTCGCGGACGTCCAATCCCAGATCACTGCCGA
AGTGTCTGCCA^{DR₁}_{ggcag}**TCAGCAATATCTTCTGTGCAGACCACAGTGGCAACAAAGGCTTC**
CTCCTCTGACCTTGCCCTCAGAGATTTTCGGCCA^{DR₁}_{ggcag}**AGTGCCGACAGTGCCATCTCCG**
CCACGGTCACAGCACAAG^{DR₁}_{ggcag}**GCTATCAACCAGCGGCACTCAGTGCCGATTTGACG**
GCTGAGGTCGCCGCAA^{DR₁}_{DR₂}**ggcagggcgc****GGACGTGGCACTACAGACCACACTA**^{DR₂}_{cagggcgc}**AGAT**
ACTGCTTTGGGATCCCGCATTGATGGCGTTTTGTCCATGACTGGTCGTAACAA^{IR₃}_{ttgctgaa}

(D) OPIhc (domain 1-1-1-2-3)

ATGGCAATTGTGAACATCGACTTAGATACACCTCGTCCAGATGGAAAACCTGGGGACGACG
CTCGTGCGGCA^{IR₃}_{ttcagcaa}GGTTAATTCAAACCTTCGCGGACGTCCAATCCCAGATCACTGCCGA
AGTGTCTGCCA^{DR₁}_{ggcag}**TCAGCAATATCTTCTGTGCAGACCACAGTGGCAACAAAGGCTTC**
CTCCTCTGACCTTGCCCTCAGAGATTTTCGGCCA^{DR₁}_{ggcag}**TCAGCAATATCTTCTGTGCAGAC**
CACAGTGGCAACAAAGGCTTCCTCCTCTGACCTTGCCCTCAGAGATTTTCGGCCA^{DR₁}_{ggcag}**AGT**
CAGCAATATCTTCTGTGCAGACCACAGTGGCAACAAAGGCTTCCTCCTCTGACCTTGC
CTCAGAGATTTTCGGCCA^{DR₁}_{ggcag}**TCAGCAATATCTTCTGTGCAGACCACAGTGGCAACAA**
AGGCTTCCTCCTCTGACCTTGCCCTCAGAGATTTTCGGCCA^{DR₁}_{ggcag}**AGTGCCGACAGTGCC**

ATCTCCGCCACGGTCA CAGCACAAAG^{DR₁}ggcagGCTATCAACCAGCGCGCACTCAGTCCGCA
^{DR₁}TTTGACGGCTGAGGTCGCCGCAaggcagggcggGACGTGGCACTACAGACCCACACTA^{DR₂}cag
^{DR₂}gccgcAGATACTGCTTTGGGATCCCGCATTGATGGCGTTTTGTCCATGACTGGTTCGTAACAAAtt
^{IR₃}
gctgaa

(E) OP1h (domain 1-2-3)

ATGGCAATTGTGAACATCGACTTAGATACACCTCGTCCAGATGGAAAACCTGGGGAC^{IR₁}gacgcc
^{DR₁}cgtTGTGGCATTTGAAAGGTGAACGGAACTTCGCGGACGTCCAATCCCAGATCACTGCCG
AAGTGTCTGCTA^{DR₁}ggcagTCGGCGATATCTGCTGTGCAGACCACCGT^{DR₁}ggcagCAAAGGCATCA
TCCTCTGATCTAGC^{DR₁}ggcagAGATTTCCGGCCAgg^{DR₁}cagGCTGCCGACAATGCCATTTCCGCCA
CGGTCACAGCACAA^{DR₁}GggcagGCTATCAACCAGCGTGCGCTTAGCACAGATTTGAC^{DR₁}ggcag
AGGCAACAGCAA^{DR₁}agg^{DR₂}cagggcggAGACCGGTCAATACAGGGCGACACTA^{DR₂}cag^{DR₂}gccgcTGACACTGC
CCTAGGCGCACGCATTGACGATGTGCTTAGCATGGTTGGCCGTAACAGGTTGCTGAACCCA
GGATTTACT^{IR₁}cgggcgtc

(F) OP1h2 (domain 1-2-3-3)

ATGGCAATTGTGAACATCGACTTAGATACACCTCGTCCGGATGGAAAACCTGGGGAC^{IR₁}gacgc
^{IR₃}ccgtTGTGGCAAttcagcaaGGTTAATGCGAACTTtgcctgacgTCCAATCCCAGATCAC^{DR₁}ggcagAAGTGT
GGCAA^{DR₁}ggcagTCGGCAATATCTTCTGTGCAGACCACAGTGGCATCAAAGGCTACATCCT
CTGACCTTGCAGCAGAAATTTCCGGCAC^{DR₁}ggcagAGTGCGGACAACGCTATCTCCGCCAC
GGTCACAGCACAAAGGACAGGCCATCAACCAGCGTGCCCTTAGCACCGACCTATCAGC
TGAGATCGCCGCA^{DR₁}agg^{DR₂}cagggcggAGACCGGTCAATACAGGGCGACACTACAGGCCGCA
CGCGTCAATACAGGGCGACACTA^{DR₁}cagggccgcTGACACTGCCCTAGGCGCACGCATTGACGAT
GTGCTTAGCATGGTTGGCCGTAACAGG^{IR₃}ttgctgaaCCCAGGATTTACT^{IR₁}cgggcgtcTCGTGGCCCAG
GGGGTACCTTTACGAATTTACCACAGAGTTTTATGCTGTGACCAAGTGGGTGCTTAGTGG
^{IR₁}
cgtcagca

(G) OP1h2c (domain 1-2-1-2-3-3)

ATGGCAATTGTGAACATCGACTTAGATACACCTCGTCCGGATGGAAAACCTGGGGAC^{IR₁}gacgcc
^{IR₃}cgtTGTGGCAAttcagcaaGGTTAATGCGAACTTTGCTGACGTCCAATCCCAGATCAC^{DR₁}ggcagAAGTGT
CGGCAA^{DR₁}ggcagTCGGCAATATCTTCTGTGCAGACCACAGTGGCATCAAAGGCTACATCCT
CTGACCTTGCAGCAGAAATTTCCGGCAC^{DR₁}ggcagAGTGCGGACAACGCTATCTCCGCCACG
GTCACAGCACAAAGGACAGGCCATCAACCAGCGTGCCCTTAGCACCGACCTATCAGCT
GAGATCGCCGCA^{DR₁}agg^{DR₁}cagTCGGCAATATCTTCTGTGCAGACCACAGTGGCATCAAAGGC
TACATCCTCTGACCTTGCAGCAGAAATTTCCGGCAC^{DR₁}ggcagAGTGCGGACAACGCTATCT
CCGCCACGGTCACAGCACAAAGGACAGGCCATCAACCAGCGTGCCCTTAGCACCGACC
TATCAGCTGAGATCGCCGCA^{DR₁}agg^{DR₂}cagggcggAGACCGGTCAATACAGGGCGACACTA^{DR₂}cagggcgg
AGACCGGTCAATACAGGGCGACA^{DR₂}CTA^{DR₂}cagggccgcTGACACTGCCCTAGGCGCACGCATTGACG
ATGTGCTTAGCATGGTTGGCCGTAACAGG^{IR₃}ttgctgaaCCCAGGATTTACT^{IR₁}cgggcgtc