Compatible Restriction Overhangs

Enzyme	Recognition Sequences	Compatible Enzymes	Compatible Enzymes with 2-base Fill-in
ApaL I	GCACGT	N/A	Afl III[&], Nco I[&], Sty I[&]
Asu II	TTAAGC	Acc I[&], Aha II, Bsp106 I, Cla I, Fsp II, HinP1 I, Hpa II, Mae II, Msp I, Nar I, Taq I	N/A
Avr II	CGGATC	Nhe I, Spe I, Xba I	Hind III
BamH I	GCCTAG	Bcl I, Bgl II, Bst I, Mbo I, Sau 3A I, Xho I	Ava I[&], Pae R71, Sal I, Xho I
Bcl I	TACTAG	Bam HI, Bgl II, Bst I, Mbo I, Sau 3A I, Xho II	Ava I[&], Pae R71, Sal I, Xho I
Bgl II	ATCTAG	BamH I, Bcl I, Bst I, Mbo I, Sau 3A I, Xho II	Ava I[&], Pae R71, Sal I, Xho I
BsiC I	TTAAGC	Acc I[&], Aha II, Asu II, Bsp106 I, Cla I, Fsp II, Hpa II, Mae II, Msp I, Nar I, Taq I	N/A
Bsp106 I	ATTAGC	Acc I[&], Aha II, Asu II, BsiC I, Cla I, Fsp II, HinP1 I, Hpa II, Mae II, Msp I, Nar I, Taq I	N/A
BspM II	TAGGCC	Ava I[&], Xma I	Dra II, Eae I, Eag I, Eco109 I, Gdi II, HgiC I, Not I, Xma III
BssH II	GCGCGC	Afl III[&], Mlu I	N/A
Bst I	GCCTAG	BamH I, Bcl I, Bgl II, Mbo I, Sau 3A I, Xho II	Ava I[&], Pae R71, Sal I, Xho I
Eae I	Py PuCCGG	Eag I, Gdi II, Not I, Xma III	Ava I[&], BspM II, Sec I, Xcy I, Xma I
Eag I	CGCCGG	Eae I, Gdi II, Not I, Xma III	Ava I[&], BspM II, Sec I, Xcy I, Xma I
EcoR I	GCTTAA	Mun I	N/A
Hind III	ATTCGA	N/A	Avr II, Nhe I, Sec I[&], Spe I, Sty IS[&], Xba I
HinP1 I	NGNCGC	Acc I[&], Aha II, Asu II, BsiC I, Bsp106 I, Cla I, Fsp II, Hpa II, Mae II, Msp I, Nar I, Taq I	N/A
Mbo I	NNCTAG	BamH I, Bcl I, Bgl II, Bst I, Sau3A I, Xho II	Ava I[&], Pae R71, Sal I, Xho I
Mlu I	ATGCGC	Afl III[&], BssH II	N/A

LEGEND

Pu = A or G Py = T or C N = A or T or G or C & = a subset of sites will have the same extension

Compatible Restriction Overhangs

Enzyme	Recognition Sequences	Compatible Enzymes	Compatible Enzymes with 2-base Fill-in
Mun I	CGTTAA	EcoR I	N/A
Nar I	GGCCGC	Acc I[&], Aha II, Asu II, BsiC I, Cla I, Fsp II, HinP1 I, Hpa II, Mae II, Taq I	N/A
Nco I	CGGTAC	Afl III[&], Sty I[&]	ApaL I
Nhe I	GCGATC	Avr II, Spe I, Xba I	Hind III
Nla III	NCATGN	Nsp 7524 I[&], Sph I	N/A
Not I	GCCGCCGG	Eae I, Eag I, Gdi II, Xma III	Ava I[&], BspM II, Sec I, Xcy I, Xma I
Nsi I	ATGCAT	Pst I	N/A
Pst I	CTGCAG	Bsp 1280[&], HgiA I[&], Nsi I	N/A
Sal I	GCAGCT	Ava I[&], PaeR 71, Xho I	BamH, Bcl I, Bgl II, Bst I, Mbo I, Sau3A I, Xho II
Sau3A I	NNCTAG	BamH I, Bcl I, Bgl II, Bst I, Mbo I, Xho II	Ava I[&], PaeR 71, Sal I, Xho I
Spe I	ATGATC	Avr II, Nhe I, Xba I	Hind III
Sph I	GCATGC	Nla III, Nsp 7524 I[&]	N/A
Taq I	NTNAGC	Acc I[&], Aha II, Asu II, Bsp106 I, Cla I, Fsp II, HinP1 I, Hpa II, Mae II, Msp I, Nar I	N/A
Vsp I	ATTAAT	Mse I	N/A
Xba I	TAGATC	Avr II, Nhe I, Spe I	Hind III
Xho I	CGAGCT	Ava I[&], PaeR 71, Sal I	BamH I, Bcl I, Bgl II, Bst I, Mbo I, Sau3A I, Xho II
Xho II	Pu PyCTAG	BamH I, Bcl I, Bgl II, Bst I, Mbo I, Sau3A I	Ava I[&], PaeR 71, Sal I, Xho
Xma I	C GGGCC	Ava I[&], BspM II	Eae I, Eag I, Dra II, Eco109 I, Gdi II, HgiC I, Not I, Xma III
Xma III	C GCCGG	Eae I, Eag I, Gdi II, Not I	BspM II, Sec I[&], Xcy I, Xma I

LEGEND

Pu = A or G Py = T or C N = A or T or G or C & = a subset of sites will have the same extension