

Restriction Enzymes for Genomic DNA Digestions for Southern blots						
Name of the enzyme	Sequence	Top offset	Bottom offset	Used successfully for Southern already	Cut inhibition if ending C is methylated	Methylation insensitive isoschizomers (commercially available)
AflII	CTTAAG	1	5			
AseI	ATTAAT	2	4			
AvrII	CCTAGG	1	5			
BamHI	GGATCC	1	5	yes	yes	-
BclI	TGATCA	1	5	yes		
BglI	GCCNNNNNGCC	7	4	yes	yes	-
BglII	AGATCT	1	5			
BsrGI	TGTACA	1	5			
BstEII	GGTNACC	1	6			
BstYI	RGATCY	1	5			
Bsu36I	CCTNAGG	2	5	yes		
DraI	TTTAAA	3	3			
DsaI	CCRYGG	1	5			
EcoNI	CCTNNNNNAGG	5	6			
EcoRI	GAATTC	1	5	yes	yes	
EcoRV	GATATC	3	3	yes	yes	Eco32I
HindIII	AAGCTT	1	5	yes		
KpnI	GGTACC	5	1	yes	yes	
MscI	TGGCCA	3	3			
MunI/MfeI	CAATTG	1	5	yes		
NcoI	CCATGG	1	5	yes		
NdeI	CATATG	2	4	yes		
NheI	GCTAGC	1	5	yes	yes	BmtI
PacI	TTAATTA	5	3	yes		
PseI	CGGNCC				yes	
PstI	CTGCAG	5	1	yes		
PvuII	CAGCTG	3	3	yes		
SacI	GAGCTC	5	1	yes	yes	
SbfI	CCTGCAGG	6	2	yes		
Scal	AGTACT	3	3			
SpeI	ACTAGT	1	5	yes		
SphI	GCATGC	5	1	yes	yes	
SstI	CGAGCTC				yes	
StuI	AGGCCT	3	3			
XbaI	TCTAQGA	1	5	yes		
XmnI	GAANNNTTC	5	5	yes	yes	

N: A or G or C or T

R: A or G

Y: C or T