

pTagRFP-zyxin vector restriction map

The data has not been verified by restriction digestion with each enzyme listed and does not take into account possible methylation sites. Enzymes that recognize unambiguous sequences less than 6 base pairs long are not included – for the more complete enzyme list please refer to the Table of restriction sites.

Unique sites are shown in bold blue. The location given specifies the 3' end of the cut DNA (the base to the left of the cut site). TagRFP amino acids are shown in red, Zyxin amino acids are shown in green, linker amino acids are shown in black.



BseY1
BseR1 | BstAP
Eco57 Pvu2 | Bpm1 | Eag1

1701 GTGGAGGAGCTGGAGCAGCTGACCCAGCAGCTAATGCAGGACATGGAGCATCCTCAGAGGCAGAATGTGGCTGTCAACGAACTCTGCGGCCGATGCCATC 1800
 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1800
 CACCTCCTCGACCTCGTCGACTGGGTCGTCGATTACGTCTGTACCTCGTAGGAGTCTCCGTCTTACACCGACAGTTGCTTGAGACGCCGGCTACGGTAG
Zyxin > V E E L E Q L T Q Q L M Q D M E H P Q R Q N V A V N E L C G R C H Q

Ale1
BspM1 |
Bpm1 |
BfuA1 |
Srf1
Sma1 | BtgZ1 Pvu2 | SpDon | Aar1 | Fsp1

1801 AACCCCTGGCCCGGGCGCAGCCAGCCGTCCTCGCGCTCTAGGGCAGCTGTTCCACATCGCCTGCTTCACCTGCCACCAGTGTGCGCAGCAGCTCCAGGGCCA 1900
 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 1900
 TTGGGGACCGGGCCCGCTCGGTCGGCAGGCGGAGATCCCGTCGACAAGGTGTAGCGGACGAAGTGGACGGTGGTTCACACGCGTCGTCGAGGTCCCGGT
Zyxin > P L A R A Q P A V R A L G Q L F H I A C F T C H Q C A Q Q L Q G Q

BspM1
BfuA1
Aar1
Nar1
SpAcc Kas1 | SpAcc Bpm1 | SpAcc | SpAcc Bpm1 |

1901 GCAGTTCTACAGTCTGGAGGGGGCGCCGTACTIONGCGAGGGCTGTTACTACTGACACCCTGGAGAAGTGTAACACCTGCGGGGAGCCCATCACTGACCGCATG 2000
 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2000
 CGTCAAGATGTCAGACCTCCCCCGGCATGACGCTCCCGACAATGTGACTGTGGGACCTCTTACATTGTGGACGCCCTCGGGTAGTGACTGGCGTAC
Zyxin > Q F Y S L E G A P Y C E G C Y T D T L E K C N T C G E P I T D R M

Bpu10
BbvC1
Sph1 | Stu1 Bts1 | SpDon | Bpm1

2001 CTGAGGGCCACGGGCAAGGCTATCACCCGCACTGCTTCACTGTGTGGTCTGCGCCCGCCCTGGAGGGCACCTCCTTCATCGTGGACCAGGCCAACC 2100
 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2100
 GACTCCCGGTGCCCCGTTCCGGATAGTGGGCGTGACGAAGTGGACACACCAGACGCGGGCGGGGACCTCCCGTGGAGGAAGTAGCACCTGGTCCGGTTGG
Zyxin > L R A T G K A Y H P H C F T C V V C A R P L E G T S F I V D Q A N R

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                                     Bpu10
                                     |
GGCCCCACTGTGTCCCCGACTACCACAAGCAGTACGCCCCGAGGTGCTCCGTCTGCTCTGAGCCCATCATGCCTGAGCCTGGCCGAGATGAGACTGTGCG
2101 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2200
CCGGGGTGACACAGGGGCTGATGGTGTTCGTCATGCGGGGCTCCACGAGGCAGACGAGACTCGGGTAGTACGGACTCGGACCGGCTCTACTCTGACACGC
Zyxin > P H C V P D Y H K Q Y A P R C S V C S E P I M P E P G R D E T V R

                                     SpAcc
                                     |
AGTGGTCGCCCTGGACAAGAACTTCCACATGAAGTGTTACAAGTGTGAGGACTGCGGGAAGCCCCTGTTCGATTGAGGCAGATGACAATGGCTGCTTCCCC
2201 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2300
TCACCAGCGGGACCTGTTCTTGAAGGTGTACTTCACAATGTTCACTCCTGACGCCCTTCGGGGACAGCTAACTCCGTCTACTGTTACCGACGAAGGGG
Zyxin > V V A L D K N F H M K C Y K C E D C G K P L S I E A D D N G C F P

                                     Pml1          Bts1          BamH1  Agel          Ale1          Sap1
                                     |           |           |     |           |     |           |
CTGGACGGTCACGTGCTCTGTTCGGAAGTGCCACACTGCTAGAGCCCAGACGGATCCACCGGTCGCCACCATGGTGTCTAAGGGCGAAGAGCTGATTAAGG
2301 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2400
GACCTGCCAGTGCACGAGACAGCCTTTCACGGTGTGACGATCTCGGGTCTGCCTAGGTGGCCAGCGGTGGTACCACAGATTCCCGCTTCTCGACTAATTCC
Zyxin/TagRFP > L D G H V L C R K C H T A R A Q T D P P V A T M V S K G E E L I K E

                                     BsrG1          ApaL1          SpAcc
                                     |           |           |
AGAACATGCACATGAAGCTGTACATGGAGGGCACCCTGAAACAACCACCACTTCAAGTGCACATCCGAGGGCGAAGGCAAGCCCTACGAGGGCAGCCAGAC
2401 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2500
TCTTGTACGTGTACTTCGACATGTACCTCCCGTGGCACTTGTGGTGGTGAAGTTCACGTGTAGGCTCCCGCTTCCGTTCCGGGATGCTCCCGTGGGTCTG
TagRFP > N M H M K L Y M E G T V N N H H F K C T S E G E G K P Y E G T Q T

CATGAGAATCAAGGTGGTCGAGGGCGGCCCTCTCCCCTTCGCCTTCGACATCCTGGCTACCAGCTTCATGTACGGCAGCAGAACCTTCATCAACCACACC
2501 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2600
GTACTCTTAGTTCCACCAGCTCCCGCCGGGAGAGGGGAAGCGGAAGCTGTAGGACCGATGGTTCGAAGTACATGCCGTGCTTGGAAAGTAGTTGGTGTGG
TagRFP > M R I K V V E G G P L P F A F D I L A T S F M Y G S R T F I N H T

                                     Bsu36          SpDon          Bbs1          Bpm1
                                     |           |           |           |
CAGGGCATCCCCGACTTCTTTAAGCAGTCCCTTCCCTGAGGGCTTCACATGGGAGAGAGTCACCACATACGAAGACGGGGCGTGCTGACCGCTACCCAGG
2601 |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 2700
GTCCCGTAGGGGCTGAAGAAATTCGTCAGGAAGGGACTCCCGAAGTGTACCCTCTCTCAGTGGTGTATGCTTCTGCCCGGCACGACTGGCGATGGGTCC
TagRFP > Q G I P D F F K Q S F P E G F T W E R V T T Y E D G G V L T A T Q D

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                                Bsa1
                                |
5401 CGGTCCCAGGGCTGGCACTCTGTTCGATACCCACCGAGACCCATTGGGGCCAATACGCCCGGTTTCTTCCTTTTCCCCACCCACCCCCAAGTTCGG
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5500
    GCCAGGGTCCCAGCGTGAGACAGCTATGGGGTGGCTCTGGGGTAACCCCGTTATGCGGGCGCAAAGAAGGAAAAGGGGTGGGGTGGGGGGTTCAAGCC

                                BstAP
                                AlwN1
                                Bsu36
                                Dra1
5501 GTGAAGGCCCAGGGCTCGCAGCCAACGTCGGGGCGGCAGGCCCTGCCATAGCCTCAGGTTACTCATATATACTTTAGATTGATTTAAAACCTTCATTTTTTA
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5600
    CACTTCCGGGTCCCAGCGTCGGTTGCAGCCCCCGCGTCCGGGACGGTATCGGAGTCCAATGAGTATATATGAAATCTAACTAAATTTTGAAGTAAAAAT

                                Dra1
                                BspH1
5601 ATTTAAAAGGATCTAGGTGAAGATCCTTTTTTGATAATCTCATGACCAAAATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAG
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5700
    TAAATTTTCTAGATCCACTTCTAGGAAAAACTATTAGAGTACTGGTTTTAGGGAATTGCACTCAAAGCAAGGTGACTCGCAGTCTGGGGCATCTTTTC

                                BpuE1
5701 ATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAAAAACCACCGCTACCAGCGGTGGTTTGTGGCCGGATCAAG
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5800
    TAGTTTCCTAGAAGAACTCTAGGAAAAAAGACGCGCATTAGACGACGAACGTTTGTTTTTTTGGTGGCGATGGTGCACCACCAAACAAACGGCCTAGTTC

                                Eco57
                                SpAcc
5801 AGCTACCAACTCTTTTTTCCGAAGGTAAGTGGCTTCAGCAGAGCGCAGATACCAAATACTGTCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGAA
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 5900
    TCGATGGTTGAGAAAAAGGCTTCCATTGACCGAAGTCGTCTCGCGTCTATGGTTTATGACAGGAAGATCACATCGGCATCAATCCGGTGGTGAAGTTCTT

                                AlwN1
                                BpuE1
5901 CTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAGTCGTGCTTACCAGGGTTGGACTCAAGACGA
    |||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||*|||||* 6000
    GAGACATCGTGGCGGATGTATGGAGCGAGACGATTAGGACAATGGTCAACCGACGACGGTCACCGCTATTACAGCACAGAATGGCCCAACCTGAGTTCTGCT
```


Found:

Aar1	Aat2	Afe1	Afl2	Age1	Ahd1	Ale1	AlwN1	Apa1	Apal1	Ase1	Avr2	BamH1	Bbs1
BbvC1	BciV1	BfrB1	BfuA1	Bgl1	Bgl2	Bmr1	Bpm1	Bpu10	BpuE1	Bsa1	BsaB1	BsaXa	BsaXb
BseR1	BseY1	Bsg1	Bsm1	BsmB1	BspE1	BspH1	BspLU	BspM1	BsrB1	BsrD1	BsrG1	BssH2	BssS1
BstAP	BstB1	Bsu36	BtgZ1	Bts1	Clal	Dra1	Dra3	Drd1	Eag1	Ear1	Ecil	Eco57	EcoR1
Fsp1	Hind3	Hpa1	Kas1	Mfe1	Msc1	Nae1	Nar1	Nco1	Nde1	NgoM4	Nhe1	Not1	Nsi1
PflF1	PflM1	Pml1	polyA	PshA1	Psi1	PspOM	Pst1	Pvu1	Pvu2	Rsr2	Sac1	Sap1	SexA1
Sfi1	Sma1	SnaB1	SpAcc	SpDon	Sph1	Srf1	Ssp1	Stul	Xba1	Xho1	Xmn1		

Unique:

Afe1	Afl2	Age1	Ahd1	Ase1	BamH1	BbvC1	BsaXa	BsaXb	Bsg1	BsmB1	BspE1	BspLU	BsrD1
BsrG1	BssH2	Clal	EcoR1	Hind3	Hpa1	Mfe1	Nde1	Nhe1	Not1	PflF1	PflM1	Pml1	PshA1
Pst1	Pvu1	Rsr2	Sac1	Sfi1	SnaB1	Srf1	Xba1	Xho1					

Not found:

Acc65	Acl1	Asc1	AsiS1	Baela	Baelb	Bcgl1a	Bcgl1b	Bcl1	Blp1	BmgB1	BsiW1	BstE2	BstX1
BstZ1	_Chi	EcoK	EcoN1	EcoRV	FCatB	FCatL	FCatR	FCatP	ScFRT	Fse1	FspA1	I_Ceu	Kpn1
loxP	Mlu1	Nru1	Pac1	Pme1	R4atB	R4atL	R4atP	R4atR	Sac2	Sall	SanD1	Sbf1	Scal
Sgf1	SgrA1	Spe1	Swal	T3RNA	T7RNA	T7Ter	PISce	Xcm1					

Excluded by site complexity:

Acc1	Acil	Afl3	Alu1	Alw1	Apo1	Ava1	Ava2	Ban1	Ban2	Bbv1	BceA1	Bfa1	Bme15
BsaA1	BsaH1	BsaJ1	BsaW1	BseM2	BsiE1	BsiH1	Bs11	BsmA1	BsmF1	Bsp12	BspCa	BspCb	Bsr1
BsrF1	BssK1	BstF5	BstN1	BstU1	BstY1	Btg1	Cac8	CviJ1	Dde1	Eae1	EcoO1	Faul	Fnu4H
Fok1	Hae2	Hae3	Hga1	Hha1	Hinc2	Hinf1	HinP1	Hpa2	Hph1	Hpy99	Hpy1	Hpy3	HpyC3
HpyC4	HpyC5	Mae3	Mbo2	Mnl1	Mse1	Msl1	MspA1	Mwo1	Nci1	Nla3	Nla4	Nsp1	Ple1
PpuM1	Rsa1	Sau3A	Sau96	SfaN1	Sfc1	Sml1	Sty1	Taq1	Tat1	Tfi1	Tse1	Tsp45	Tsp50
TspR1													