

Name: XbC2**Conformation:** linear**Enzymes:** EcoRI, EcoRV, NdeI**Noncutters:**

Name	Sequence	Site Length	Overhang	Frequency	Cut Positions
EcoRV	GATATC	6	blunt	9	4388, 8809, 83399, 139105, 179294, 258149, 261739, 342285, 367722
NdeI	CATATG	6	five_prime	148	3254, 12730, 13565, 13964, 14970, 17645, 20533, 22941, 24718, 25727, 28474, 31002, 33568, 34770, 35327, 42158, 43533, 53416, 54324, 56051, 56441, 58205, 59459, 61268, 63841, 69452, 69537, 72279, 76958, 78086, 79165, 79172, 80615, 80771, 81242, 82148, 83207, 83555, 85282, 87487, 88077, 100475, 106637, 110534, 112497, 112706, 113791, 115874, 119191, 119332, 132048, 134852, 135341, 141510, 144998, 150537, 153936, 154191, 154326, 155493, 155907, 156492, 157339, 158136, 158250, 159474, 161617, 169033, 169090, 174262, 174337, 174429, 179160, 182293, 185592, 188417, 189526, 190758, 192650, 193078, 197057, 198284, 198984, 202475, 202577, 203169, 206900, 209144, 230225, 236119, 236651, 238376, 239891, 241128, 241317, 241674, 242073, 242424, 247634, 248509, 257750, 259419, 259551, 261649, 262229, 265074, 265330, 266163, 267251, 268891, 269110, 275402, 277939, 279767, 280447, 282639, 289375, 292997, 298069, 300973, 305815, 317350, 319828, 321152, 322755, 325071, 326310, 329993, 334993, 335722, 336232, 338053, 339981, 340089, 344430, 347115, 350554, 350979, 352989, 354294, 354660, 357638, 359456, 364960, 366190, 366257, 366704, 366902
EcoRI	GAATTC	6	five_prime	199	8593, 9912, 14527, 14957, 17685, 22107, 22613, 23043, 24064, 24399, 25772, 27381, 27675, 30973, 34883, 37306, 37933, 38993, 39705, 39849, 40388, 41307, 43508, 44933, 45197, 47135, 49388, 51281, 51834, 53366, 53648, 53847, 55390, 57194, 61861, 64618, 64856, 66517, 66553, 67177, 68539, 68802, 70841, 71830, 73334, 74553, 76022, 76596, 79748, 82183, 82488, 83998, 85224, 87240, 89210, 89528, 91473, 95842, 97146, 97870, 99309, 100426, 101292, 103356, 105267, 111953, 112588, 113412, 114050, 116471, 120273, 125126, 125282, 127555, 128266, 128485, 129295, 134063, 134476, 134606, 134765, 138290, 139999, 140933, 142010, 149022, 149034, 149370, 153493, 156522, 158694, 160066, 160291, 165356, 170414, 172079, 179514, 180440, 181615, 181753, 183473, 189266, 190446, 193353, 194371, 194413, 195418, 196944, 202008, 204994, 205776, 206575, 206589, 207439, 210171, 212308, 212811, 215595, 216399, 218954, 225356, 225520,

Name	Sequence	Site Length	Overhang	Frequency	Cut Positions
					225668, 226687, 228796, 228858, 230299, 230817, 232812, 233560, 237288, 237688, 238642, 242690, 243292, 246426, 247752, 247911, 248933, 251480, 253104, 257559, 257724, 258726, 260167, 261432, 262692, 263128, 263485, 265289, 266157, 267099, 269357, 269766, 270652, 270667, 271189, 271226, 273576, 273936, 274647, 275107, 278964, 283434, 284256, 286234, 286937, 289790, 292561, 293722, 295062, 295572, 296922, 300370, 301979, 308529, 309058, 309184, 312165, 314431, 316667, 316712, 324736, 328566, 328605, 331451, 336686, 337676, 339965, 340753, 342346, 343993, 344128, 345226, 348212, 352197, 353529, 356246, 363871