



## pSEB-SOSd Full-length Sequence

TGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGCAAGGCATGGAAAATACATAACTGAGAATAGAGAA  
GTTAGATCAAGGTTAGGAACAGAGAGACAGCAGAATATGGGCCAAACAGGATATCTGTGGTAAGCAGTTCCTCCCCGGCTCAGGGCC  
AAGAACAGATGGTCCCCAGATGCGGTCCCGCCCTCAGCAGTTTCTAGAGAACCATCAGATGTTTCCAGGGTGCCCCAAGGACCTGAA  
ATGACCCTGTGCCTTATTTGAACTAACCAATCAGTTCGCTTCTCGCTTCTGTTCGCGCGCTTCTGCTCCCCGAGCTCAATAAAAGAG  
CCCACAACCCCTCACTCGGCGGCCAGTCTCCGATAGACTGCGTCGCCCGGGTACCCGTATTCCCAATAAAGCCTCTTGCTGTTTTG  
CATCCGAATCGTGGACTCGCTGATCCTTGGGAGGGTCTCCTCAGATTGATTGACTGCCACCTCGGGGGTCTTTCATTTGGAGGTTT  
CACCGAGATTTGGAGACCCCTGCCAGGGACCACCGACCCCCCGCCGGGAGGTAAGCTGGCCAGCGGTCTTTTCGTGTCTGTCTCT  
GTCTTTGTGCGTGTGTGTGCCGGCATCTAATGTTTGGCGCTGCGTCTGTACTAGTTAGCTAACTAGCTCTGTATCTGGCGGACCCGT  
GGTGGAACTGACGAGTTCTGAACACCCGGCCGCAACCCCTGGGAGACGTCCAGGGACTTTGGGGCCGTTTTTGTGGCCGACCTGA  
GGAAGGGAGTCGATGTGGAATCCGACCCCGTCAGGATATGTGGTTCTGGTAGGAGACGAGAACC TAAAACAGTTCCCGCCTCCGTCT  
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CTTCCCTCCATCCGCCCCGTCTCTCCCCCTTGAACCTCCTCGTTCGACCCCGCCTCGATCCTCCCTTTATCCAGCCCTCACTCCTTCT  
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AAGTTGGGTAACGCCAGGGTTTTTCCAGTCACGACGTTGTA AAAACGACGGCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCCAAC  
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GTGATGTGCGCGATATAGGCGCCAGCAACCCGACCTGTGGCGCCGGTATGCCGGCCACGATGCGTCCGGCGTAGAGGCGATTAGTC  
CAATTTGTTAAAGACAGGATATCAGTGGTCCAGGCTCTAGTTTTGACTCAACAATATCACCAGCTGAAGCCTATAGAGTACGAGCCA  
TAGATAAAAATAAAGATTTTTATTTAGTCTCCAGAAAAAGGGGGGAA

## Zero cutters

### # Enzyme Specificity

1 AgeI ACCGGT	13 BtgZI GCGATG(N)10NNNN	25 RsrII CGWCCG
2 AleI CACNNNGTG	14 DraIII CACNNNGTG	26 SacII CCGCGG
3 AsiSI GCGATCGC	15 FseI GGCCGGCC	27 SalI GTCGAC
4 AvrII CCTAGG	16 HpaI GTTAAC	28 SbfI CCTGCAGG
5 BamHI GGATCC	17 MfeI CAATTG	29 SfiI GGCCNNNNNGGCC
6 BclI TGATCA	18 NotI GCGGCCGC	30 SnaBI TACGTA
7 BfuAI ACCTGCNNNNNNNN	19 NsiI ATGCAT	31 StuI AGGCCT
8 BglII AGATCT	20 PaeR7I CTCGAG	32 SwaI ATTTAAAT
9 BlpI GCTNAGC	21 PflMI CCANNNNNTGG	33 XcmI CCANNNNNNNTGG
10 BsiWI CGTACC	22 PmlI CACGTG	34 XhoI CTCGAG
11 BsmI GAATGCN	23 PshAI GACNNNGTCT	
12 BspMI ACCTGCNNNNNNNN	24 PspXI VCTCGAGB	