

Supplemental Material

List of oligonucleotides used for the mutagenesis.

pSZBAD43 (CYNGT), #SK086: 5'-CGCCGCCAACTGTT**TATA**ACGGTACCCAG
 #SK087: 5'-CTGGGTACCGTT**TATA**ACAGTTGGCGGCG

pSZBAD44 (CTNGT), #SK088: 5'-CGCCGCCAACTGT**ACTA**ACGGTACCCAG
 #SK089: 5'-CTGGGTACCGTT**AGT**ACAGTTGGCGGCG

pSZBAD45 (CRNGT), #SK090: 5'-CGCCGCCAACTGT**CGTA**ACGGTACCCAG
 #SK091: 5'-CTGGGTACCGTT**ACG**ACAGTTGGCGGCG

pSZBAD47 (CWNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK100: 5'-GTTTGTACTGGGTACCGTT**CCA**ACAGTTGGCGGCG

pSZBAD48 (CVNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK101: 5'-GTTTGTACTGGGTACCGTT**AAC**ACAGTTGGCGGCG

pSZBAD49 (CPNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK102: 5'-GTTTGTACTGGGTACCGTT**AGG**ACAGTTGGCGGCG

pSZBAD50 (CDNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK103: 5'-GTTTGTACTGGGTACCGTT**ATCAC**AGTTGGCGGCG

pSZBAD51 (CNNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK104: 5'-GTTTGTACTGGGTACCGTT**ATT**ACAGTTGGCGGCG

pJJBAD78 (CMNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK123: 5'-GTTTGTACTGGGTACCGTT**CAT**ACAGTTGGCGGCG

pJJBAD79 (CKNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK124: 5'-GTTTGTACTGGGTACCGTT**TTT**TACAGTTGGCGGCG

pJJBAD80 (CANGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK125: 5'-GTTTGTACTGGGTACCGTT**TGC**ACAGTTGGCGGCG

pJJBAD81 (CQNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK126: 5'-GTTTGTACTGGGTACCGTT**CTG**ACAGTTGGCGGCG

pJJBAD82 (CENGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK127: 5'-GTTTGTACTGGGTACCGTT**TTT**CACAGTTGGCGGCG

pJJBAD83 (CHNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK128: 5'-GTTTGTACTGGGTACCGTT**GTG**ACAGTTGGCGGCG

pJJBAD84 (CINGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK129: 5'-GTTTGTACTGGGTACCGTT**AAT**ACAGTTGGCGGCG

pJJBAD85 (CLNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK130: 5'-GTTTGTACTGGGTACCGTT**AAG**ACAGTTGGCGGCG

pJJBAD86 (CCNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK131: 5'-GTTTGTACTGGGTACCGTT**ACA**ACAGTTGGCGGCG

pJJBAD87 (CSNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK132: 5'-GTTTGTACTGGGTACCGTT**AGA**ACAGTTGGCGGCG

pJJBAD88 (CGNGT), #SK049: 5'-GGTACCCAGTACAAACTTATCCTGAACGG
 #SK133: 5'-GTTTGTACTGGGTACCGTT**CC**ACAGTTGGCGGCG