SUPPLEMENTAL INFORMATION

Table 1S. Oligonucleotides used for site-directed mutagenesis

Name	Dir [b]	Sequence (5′-3′)[a]
AB_All5	rev	GGCGAGGGCTGAGGGGGTCTGTTCCCCAATCTTC
AB_All6	for	GGGGAACAGACCCCCTCAGCCCTCGCCATCATG
AB_All7	rev	CCACAATGGGCACAAGGCCATTCTGCTGGCAGATG
AB_All8	for	GCCAGCAGAATGGCCTTGTGCCCATTGTG
ABC1	rev	GGGTGGCCGCGGCCCCGGCCTGACCACTCGGGACGTACTTCCCTTGGCATGC GAGGCTGTTG
ABC2	for	GGTCAGGCCGGGGCCGCGGCCACCCAGTCCCTCTTCACCGCTAACTACGCCT ACTAA
ABD1	rev	GCAGCCTCTTCCCCATGGTCCCGGTCGACTCATC
ABD2	for	CGACCGGGACCATGGGGAAGAGGCTGCAACGCATCGGTACC
ABD9	rev	AGGAGAAGGTCAGTTTCCACGGCTTCAGCAG
ABD10	for	GCTGAAGCCGTGGAAACTGACCTTCTCC
AB_DSP1	rev	GGTTCACGCGGTCATCCGCGGTCAGCAGCAGCTCCCGGTAGAAAC
AB_DSP2	for	GCTGACCGCGGATGACCGCGTGAACCAGTGCATCGGGGGCGTCATC
AB_DSP3	rev	GCCCTTGGACTTGATAACTTGCGGGAAGGGCTTCCCATCGTC
AB_DSP4	for	CCCGCAAGTTATCAAGTCCAAGGGCATTGTTGTGGGCATCAA
AB_DSP5	rev	CCTCCTGGGCAGCCTTCTTGTTCTCCTTCTT
AB_DSP6	for	GAAGGAGAACAAGAAGGCTGCCCAGGAGGAG
AB_NP1	rev	CAGCAGCAGCTGCCGGAAGAAACGCCGGTTCTCT
AB_NP2	for	AGAACCGGCGTTTCTTCCGGCAGCTGCTGC
AB_NP3	rev	TCCTGCCAGAGGTGCCACGCCCTTGTCT
AB_NP4	for	AGACAAGGGCGTGGCACCTCTGGCAGGAA
AB_NP5	rev	AACTCCAGTGACAGCGGCGGGCACTGTG
AB_NP6	for	GCGCCGCACAGTGCCCGCCGCTGTCACTGGAG
AB_NP7	rev	GGCCAGGGCCCGCTTCACGAACTCCTCCT
AB_NP8	for	GCCCAGGAGGAGTTCGTGAAGCGGGCCCTGGCCA
AB_TSP3	rev	TTCCCACCCCAGGCCGCCAGAGCCGAGGCCTGCAG
AB_TSP4	for	TCGGCTCTGGCGGCCTGGGGTGGGAAGAAG
AB_TSP5	rev	ACCACTCGG*GGT*GTACTTCCCTTGG
AB_TSP6	for	CCAAGGGAAGTAC*ACC*CCGAGTGGTC
geneL	rev	GCTACTGCCGCCAGGCAAACTGTTTTATCAG
geneU	for	ACGACCGAGCGCAGCGAGTCAGTGAG
L337sap	rev	GGTGGTTGCTCTTCTGCAGGCGAGGCTGTTG
U1nde	for	TGGGAAATTCCATATGCCTCACTCCCATCCAGCGTTAA

[a]Underlined nucleotides refer to the codon that has been changed from that of wild-type aldolase A. Boldface nucleotides represent silent mutations engineered to include unique restriction sites. Codons in italics refer to sites reverted to wild type.

[b]Dir=direction; “for” refers to a sequence that is complementary to the coding strand and “rev” refers to a sequence complementary to the non-coding strand.