

Supplemental Table 1.Primer pairs used to clone *cas* conserved sequence clusters (CSCs)

CSC	5' primer	3' primer
<i>cas-1</i>	AGATCTCCCATAAAGGGCAAAGGTGCACCC	GCTAGCGGATTTACGTTTCGCTTTTCTGCC
<i>cas-2</i>	CAATAATTCCCACATTATGCGAC	GCTAGCGTTCGACGAAGATGCTGATACC
<i>cas-3</i>	AGATCTCAGCAATGGCATTGCATAAAATTTTCG	GCTAGCCTAGCCTCATTATCCAACC
<i>cas-4</i>	AGATCTGGCGCAGAGATGAGTTGCG	GCTAGCTCGGTTTGTCCGACTTCCGG
<i>cas-5</i>	AGATCTGCTGCTCAAGGACCGCCC	GCTAGCATGAAACCATCCCATCAGCGTG
<i>cas-5a</i>	AGATCTGCTGCTCAAGGACCGCCC	GCTAGCTTCCAAGTTTCGTTTTCCGCAAT
<i>cas-5b</i>	AGATCTGAAAGTCCTTGGAACCGAACCC	GCTAGCTCCAATCAACTGAGCTGGC
<i>cas-5c</i>	AGATCTTTGTTAAGTGTGTGTTGCTGGC	GCTAGCATGAAACCATCCCATCAGCGTG
<i>cas-6</i>	AGATCTTGCAGATACCGGAGTCGAGATG	GCTAGCTAAGACCTTGACGCTTCCCATG,
<i>cas-7</i>	AGATCTCAGTTACCAAAGCGGAAGCGTGCC	GCTAGCATCGGCAATCTTATTCGCC
<i>cas-7a</i>	AGATCTAAGTGTGGTCATTTCGTAGCC	GCTAGCAAATCAATTAGCCAACCTGAAGGG
<i>cas-7b</i>	AGATCTCAGCAACAACACTTAACAAAGGC	GCTAGCCCTTTTCCTTACATCTCTATGC
<i>cas-8</i>	AGATCTAATACACGCTCCTCTTTCGC	GCTAGCCGCGGATATATTAGCACAGC
<i>cas-9</i>	TGATCAAGTGTGCCACAAAAATGTCCAACC	GCTAGCGTGGTTGACTCCAGCGGATGG
<i>cas-10</i>	AGATCTCCGACAGCCTAGACTACCCAGC	GCTAGCATCTGTGAGATCCCCAGC
<i>cas-11</i>	AGATCTCCCACTGCAGTATACGCCCG	GCTAGCGGCTTCCGACTGCTGAGCGTCG
<i>cas-12</i>	AGATCTGGAAGGATGCGTGTCTTAGGG	GCTAGCGTGTTTAAATAATAAGCTCTGAGGC