

**Figure S4.** Verification of the elimination of the plasmid p6 for 151-6. (a)Selection of elimination of the plasmid p6 by PCR with the primers 4963CDS-F/4963CDS-R (located on plasmid p6). Lanes: M, 1-kb DNA ladder; templates: ck, ddH2O; P, 151-6 genome DNA; 1-46: Random selected single colony strain. (b) Identification of elimination of the plasmid p6 by PCR with the primers 4967CDS-F/4967CDS-R, 4982CDS-F/4982CDS-R, 4983CDS-F/4983CDS-R, 5014CDS-F/5014CDS-R, 5018CDS-F/5018CDS-R (located on plasmid p6), 4108CDS-F/4108CDS-R and, 4109CDS-F/4109CDS-R (located on chromosome of 151-6). Lanes: M, 1-kb DNA ladder; templates: ck, ddH2O; 1, 151-6 genome DNA; 2: Genome DNA of elimination of the plasmid p25 151-6△5 (marked with the red arrow); 3: Genome DNA of elimination of the plasmid p6 151-6△7(marked with the red arrow).