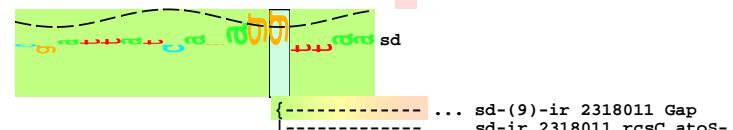


- 1 -

piece 1, NC_000913, rcsC_atoS-, config: linear, direction: -, begin: 2318094, end: 23178799

Sequence alignment of the 2318090 gene across various strains. The top row shows the gene ID and positions 2318080, 2318070, 2318060, 2318050, 2318040, 2318030, and 2318020. The bottom row shows the amino acid sequence with mutations highlighted by red dots. A pink arrow points to a fMet codon at position 2318020.

[NC_000913.ato5]



The diagram illustrates the primary transcript (ranging from position -2318010 to +2317940) and its processing into mature RNAs (ranging from position -2317950 to +2317940). The mature RNAs are shown as colored boxes: rcsC (red), atoS (blue), p35 (orange), and p10 (green). Processing sites are indicated by red dots and labeled with their respective positions. The mature RNA regions are labeled with their names: rcsC, atoS, p35, and p10. Below the mature RNA regions, the amino acid sequence of the proteins they encode is shown: met-ile-ser-arg-arg-cys-ile-ile-phe-gln-arg-arg-glu-asn-ile-alanine-val-thr-arg-phe-tyr-arg-leu-leu-asn-his-thr.

... sd-(9)-ir 2318011 Gap 2.3 bits
... sd-ir 2318011 rcsC_atoS- total 6.1 bits

{-----} p35-(23)-p10 2317944 Gap 1.4 bits
-----|-----| p35-p10 2317944 total 4.9 bits