FASTQ format

@SEQ_ID

GATTTGGGGTTCAAAGCAGTATCGATCAAATAGTAAATCCATTTGTTCAACTCACAGTTT

+

AAAAAAAAAAAAAAEEEEEEEEEEEEEEEEEEEEAAAAAAAAAAAAAAAEEEEEAAEEEEE

- Line 1 (the header) begins with a '@' character and is followed by a sequence identifier and an optional description.
- Line 2 is the raw sequence letters (the base calls; A, C, T, G and N).
- Line 3 is a separator, which is simply a plus (+) sign.
- Line 4 encodes the quality values for the sequence in Line 2, and must contain the same number of symbols as letters in the sequence.

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