

## Molecular characterization and analysis of high-level multidrug-resistance of *Shigella flexneri* serotype 4s strains from China

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### Supplementary Text S1.

**New DNA sequences and new allele combination of MLST result in this research.**

#### New DNA Sequences:

Allele Name: rpoS

Isolate GX4s03:

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ATTGCCCGCCGTTATGGCAATCGTGGTCTGGCGTTGCTGGGCCTTATCGAAGAGGGCAACTT
GGGGCTGATCCGCGCGGTAGAGAAGTTTGACCCGGAACGTGGTTTCCGCTTCTCAACATACG
CAACCTGGTGGATTCGCCAGACGATTGAACGGGCGATTATGAACCAAACCCGTAATTCGT
TTGCCGATTCACATCGTAAAGGAGCTGAACGTTTACCTGCGAACCGCACGTGAGTTGTCCCA
TAAAGCTGGACCATGAACCAAGTGC GGAAGAGATCGCAGAGCAACTGGATAAGCCAGTTGATG
ACGTCAGCCGTATGCTTCGTCTTAACGAGCGCATTACCTCGGTAGACACCCCGCTGGGTGGT
GATTCGAAAAAGCGTTGCTGGACATCCTGGCCGATGAAAAAGAGAACGGTCCGGAAGATAC
CACGCAAGATGACGATATGAAGCAGAGCATCGTCAAATGGCTGTTTCGAGCTGAACGCCAAAC
AGCGTGAAGTACTGGCACGTCGATTCGGTT
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Isolate GX4s01:

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ATTGCCCGCCGTTATGGCAATCGTGGTCTGGCGTTGCTGGACCTTATCGAAGAGGGCAACTT
GGGGCTGATCCGCGCGGTAGAGAAGTTTGACCCGGAACGTGGTTTCCGCTTCTCAACATACG
CAACCTGGTGGATTCGCCAGACGATTGAACGGGCGATTATGAACCAAACCCGTAATTCGT
TTGCCGATTCACATCGTAAAGGAGCTGAACGTTTACCTGCGAACCGCACGTGAGTTGTCCCA
TAAACACGTGAGTTGTCCATAAGCTGGACCATGAACCAAGTGC GGAAGAGATCGCAGAGCAA
CTGGATAAGCCAGTTGATGACGTCAGCCGTATGCTTCGTCTTAACGAGCGCATTACCTCGGT
AGACACCCCGCTGGGTGGTATTCCGAAAAAGCGTTGCTGGACATCCTGGCCGATGAAAAAG
AGAACGGTCCGGAAGATACCACGCAAGATGACGATATGAAGCAGAGCATCGTCAAATGGCTG
TTCGAGCTGAACGCCAAACAGCGTGAAGTACTGGCACGTCGATTCGGTT
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#### New allele combination:

Isolate SH4s05:

Allele Name	arcA	aroE	aspC	clpX	cyaA	dnaG	fadD	grpE	icdA	lysP	mdh	mtlD	mutS	rpoS	uidA
Number	8	10	13	16	10	11	14	10	16	23	19	15	14	64	14