

(a)

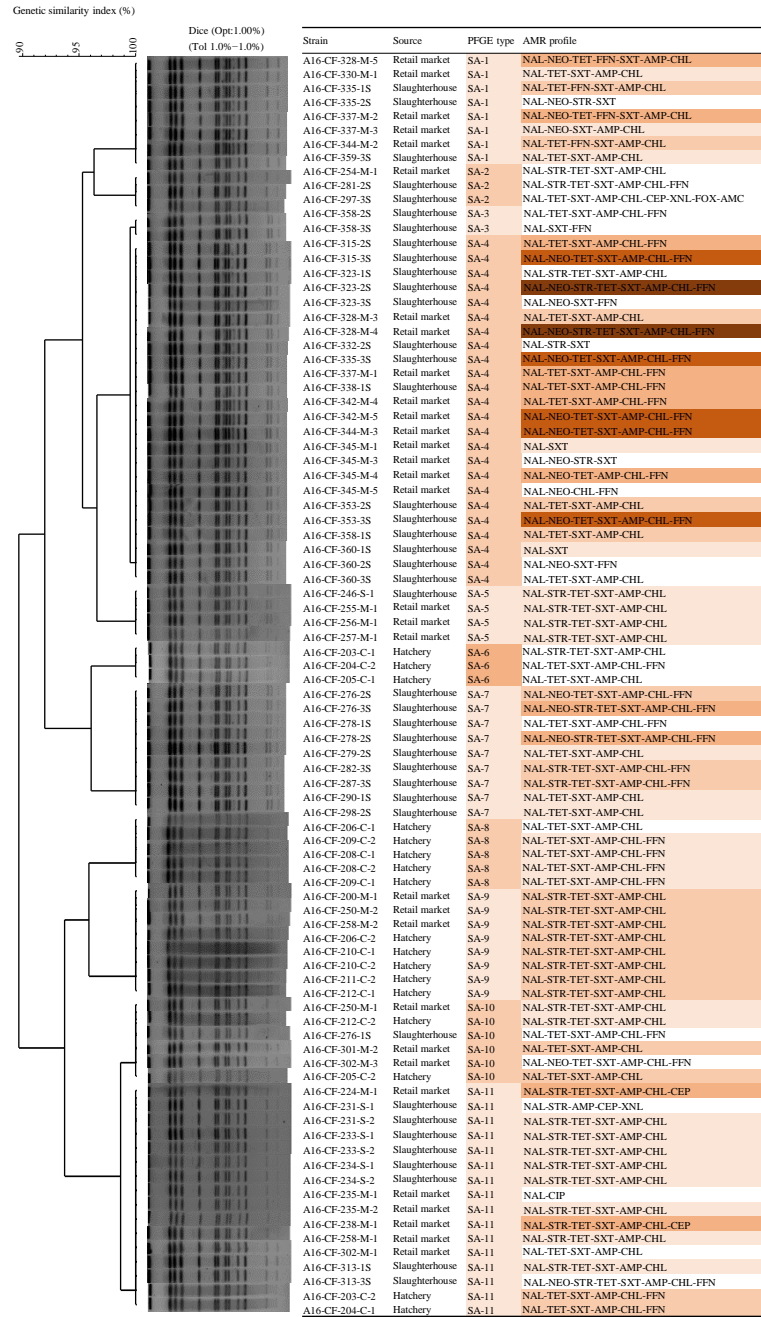


Dice (Opt:1.00%)

(Tol 1.0%–1.0%)

Strain	Source	PFGE type	AMR profile
A16-GF-196-D-1	Slaughterhouse	SM-1	NAL
A16-GF-196-G-1	Slaughterhouse	SM-1	NAL
A16-GF-196-A-1	Slaughterhouse	SM-2	NAL
A16-GF-098-1-L1	Broiler farm	SM-3	NAL-NEO-STR-TET-FOX-AZM
A16-GF-125-2-L	Broiler farm	SM-3	NAL-NEO-STR-TET-XNL
A16-GF-125-2-L1	Broiler farm	SM-3	NAL-NEO-STR-TET
A16-GF-137-2-S1	Broiler farm	SM-3	NAL-NEO-STR-TET
A15-CF-021-C-1	Hatchery	SM-3	NAL
A16-GF-124-2-L1	Breeder farm	SM-3	NAL-NEO-STR-TET
A16-GF-124-2-L1	Breeder farm	SM-3	NAL-NEO-STR-TET
A16-GF-193-1	Slaughterhouse	SM-4	NAL
A15-CF-080-2-L2	Broiler farm	SM-5	NAL-NEO-STR-TET-XNL
A16-GF-109-1-S2	Broiler farm	SM-5	NAL-NEO
A15-CF-000-1-L1	Broiler farm	SM-6	NAL-NEO-STR-TET-AZM
A15-CF-004-1-F1	Broiler farm	SM-6	NAL-NEO-STR
A15-CF-004-1-S3	Broiler farm	SM-6	NAL-NEO
A15-CF-008-2-F1	Broiler farm	SM-7	NAL
A15-CF-008-2-L1	Broiler farm	SM-7	NAL
A15-CF-062-1-S1	Broiler farm	SM-7	NAL-STR
A15-CF-090-1-S1	Broiler farm	SM-7	NAL-STR-TET-FFN-AMP-AZM
A15-CF-092-2-S1	Broiler farm	SM-7	NAL-NEO-STR-TET-FOX-AZM
A15-CF-092-2-L1	Broiler farm	SM-7	NAL-NEO-STR-TET
A16-GF-097-1-S1	Broiler farm	SM-7	NAL-NEO-STR-TET
A16-GF-102-1-S1	Broiler farm	SM-7	NAL-NEO-STR-TET
A16-GF-109-1-S1	Broiler farm	SM-7	NAL-NEO-STR-TET-FOX-XNL-AMP-AZM
A16-GF-137-1-S1	Broiler farm	SM-7	NAL-NEO-STR-TET
A16-GF-137-1-L1	Broiler farm	SM-7	NAL-NEO-STR-TET-FOX
A16-GF-190-A-1	Slaughterhouse	SM-7	NAL
A16-GF-193-G-1	Slaughterhouse	SM-7	NAL
A16-GF-194-D-1	Slaughterhouse	SM-7	NAL
A16-GF-196-E-1	Slaughterhouse	SM-7	NAL
A16-GF-196-F-1	Slaughterhouse	SM-7	NAL
A16-GF-193-A-1	Slaughterhouse	SM-7	NAL
A15-CF-009-2-S1	Broiler farm	SM-7	NAL
A15-CF-002-2-L1	Broiler farm	SM-7	NAL-SXT
A15-CF-004-1-F1	Broiler farm	SM-7	NAL-STR
A15-CF-060-1-L2	Broiler farm	SM-7	NAL-NEO-COL
A15-CF-008-2-S2	Broiler farm	SM-7	NAL-NEO-AZM
A16-GF-189-1	Slaughterhouse	SM-7	NAL-CEP
A16-GF-201-M-1	Retail market	SM-7	NAL
A16-GF-319-M-3	Retail market	SM-7	NAL-NEO-STR-TET
A15-CF-022-C-1	Hatchery	SM-7	NAL-SXT
A16-GF-111-L-1	Breeder farm	SM-8	NAL-NEO-STR-TET
A16-GF-189-D-1	Slaughterhouse	SM-8	NAL
A15-CF-008-2-S1	Broiler farm	SM-9	NAL
A16-GF-100-S-1	Slaughterhouse	SM-10	NAL-NEO-TET-FOX-SXT-CHL
A16-GF-112-L-1	Broiler farm	SM-10	NAL-NEO-STR-TET
A15-CF-060-2-L1	Broiler farm	SM-11	NAL-STR-TET
A15-CF-037-C-1	Hatchery	SM-11	NAL
A16-GF-191-2-L1	Broiler farm	SM-11	NAL
A15-CF-063-1-L2	Broiler farm	SM-11	NAL-FFN
A15-CF-004-1-L1	Broiler farm	SM-11	NAL-STR-TET
A15-CF-003-2-S1	Broiler farm	SM-12	NAL-STR-AZM
A15-CF-009-1-S3	Broiler farm	SM-12	NAL-SXT
A15-CF-009-1-L1	Broiler farm	SM-12	NAL-NEO-STR
A15-CF-027-1-L1	Broiler farm	SM-12	NAL-COL
A15-CF-015-C-1	Hatchery	SM-12	NAL
A15-CF-041-1-L1	Broiler farm	SM-12	NAL-NEO-STR-TET
A15-CF-041-2-S1	Broiler farm	SM-12	NAL-SXT
A15-CF-061-1-F1	Broiler farm	SM-12	NAL-NEO-STR-TET
A15-CF-062-2-L1	Broiler farm	SM-12	NAL-NEO-STR-TET
A16-GF-187-1-L1	Broiler farm	SM-12	NAL
A16-GF-192-1-S1	Broiler farm	SM-12	NAL
A16-GF-198-C-1	Slaughterhouse	SM-12	NAL-STR-TET-COL
A15-CF-003-2-S2	Broiler farm	SM-12	NAL-NEO
A16-GF-225-M-1	Retail market	SM-12	NAL
A16-GF-226-M-1	Retail market	SM-12	NAL
A15-CF-012-C-1	Hatchery	SM-13	NAL-SXT
A15-CF-002-1-L1	Broiler farm	SM-13	NAL-STR-AZM
A15-CF-002-1-S1	Broiler farm	SM-13	NAL
A15-CF-002-1-S2	Broiler farm	SM-13	NAL-NEO
A15-CF-002-1-S3	Broiler farm	SM-13	NAL-NEO
A15-CF-003-1-L1	Broiler farm	SM-13	NAL-NEO
A15-CF-011-C-1	Hatchery	SM-14	NAL-SXT
A15-CF-081-1-S1	Broiler farm	SM-15	NAL-STR-FFN
A15-CF-081-1-L1	Broiler farm	SM-15	NAL-STR
A15-CF-081-2-S1	Broiler farm	SM-15	NAL-STR-AZM-FFN
A15-CF-063-1-L1	Broiler farm	SM-16	NAL-STR
A16-GF-187-2-L1	Broiler farm	SM-16	NAL
A16-GF-185-1-L1	Broiler farm	SM-17	NAL
A15-CF-062-2-L2	Broiler farm	SM-18	NAL-NEO
A16-GF-316-M-5	Retail market	SM-19	NAL-FOX
A16-GF-319-M-2	Retail market	SM-19	NAL
A15-CF-002-2-L1	Broiler farm	SM-20	NAL-NEO
A16-GF-322-1-S	Slaughterhouse	SM-21	NAL
A16-GF-325-M-1	Retail market	SM-22	NAL
A16-GF-326-M-3	Retail market	SM-22	NAL
A16-GF-327-M-3	Retail market	SM-22	NAL
A16-GF-328-M-1	Retail market	SM-22	NAL
A16-GF-189-E-1	Slaughterhouse	SM-23	NAL
A16-GF-189-G-1	Slaughterhouse	SM-23	NAL-STR
A15-CF-004-2-F2	Broiler farm	SM-24	NAL-NEO
A15-CF-004-2-S1	Broiler farm	SM-25	NAL-NEO
A15-CF-054-1-L1	Broiler farm	SM-26	NAL
A15-CF-054-2-S1	Broiler farm	SM-26	NAL
A15-CF-057-1-S1	Broiler farm	SM-26	NAL-STR-TET
A15-CF-060-1-L1	Broiler farm	SM-26	NAL-NEO-STR-TET-AZM
A15-CF-045-1-L1	Broiler farm	SM-27	NAL
A15-CF-047-1-S1	Broiler farm	SM-27	NAL-SXT
A15-CF-047-2-L1	Broiler farm	SM-27	NAL-SXT
A15-CF-050-2-S1	Broiler farm	SM-28	NAL-SXT
A15-CF-057-2-S1	Broiler farm	SM-28	NAL-NEO-STR
A15-CF-058-1-S1	Broiler farm	SM-28	NAL-STR
A15-CF-058-2-S1	Broiler farm	SM-28	NAL-NEO-STR
A16-GF-186-F-1	Broiler farm	SM-29	NAL
A16-GF-187-2-S1	Broiler farm	SM-29	NAL-STR
A16-GF-192-1-F1	Broiler farm	SM-30	NAL-NEO-STR-FFN

(b)



(c)

Genetic similarity index (%)

