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28 **Figure S5.** Effect of mutations on the motility and flagellation. (A) Representative images
 29 of the motility rings of YM19 and NMB342 strains. (B) Electron microscopic images of
 30 *fliL* deletion mutants of the wild-type strain 138-2. (C) Expression of lateral flagellin.
 31 Whole-cell extracts of VIO5, 138-2, NMB338, NMB339 and NMB340 strains were
 32 subjected to SDS-PAGE, followed by immunoblotting using anti-lateral flagellin
 33 antibody. (D) Effect of the N-terminal fusion of GFP to FliL on cell motility. Motility ring
 34 diameters relative to that of VIO5 strain are shown. Error bar, standard deviation. *, $p <$
 35 0.002; **, $p <$ 0.02, unpaired t-test. Overnight cultures of $\Delta pomAB$ strain, VIO5 strain,
 36 $\Delta fliL$ strain, and $\Delta fliL$ strain containing pZSW6 with/without mutations were spotted onto
 37 a VPG soft-agar plate containing 0.02% (w/v) arabinose and incubated at 30 °C for 3 h.