



**Supplemental Figure S1.** Spot test assay for sub-MIC ceftaroline sensitivity. *S. aureus* CA-MRSA strain MW2 and derivatives with disruption in the TCS systems *srr* or *agr*, together with MW2  $\Delta XV$ , or  $\Delta XIV$  versions (chromosomally complemented derivatives with the indicated TCS system in parenthesis). The upper panel corresponds to MHA plates containing 0.25  $\mu\text{g/mL}$  of ceftaroline. Lower panel correspond to MHA plates without ceftaroline. Spot serial dilutions are indicated at the left margin. The first spot (10  $\mu\text{L}$ ) corresponds to  $1.5 \times 10^5$  colony forming units (CFU). Note that disruption of neither *srr* nor *agr* results in a detectable change in viable colony counts at this sub-MIC ceftaroline concentration for these strains (MIC 0.5  $\mu\text{g/mL}$ ). Similarly, the restoration by chromosomal complementation of either *srr* or *agr* TCS system in the MW2  $\Delta XV$  strain does not detectably restore growth of the  $\Delta XV$  strain, which is hypersensitive to ceftaroline in this condition.