B. Top 20 Antibiotic Resistance Genes A. Distribution of Antibiotic Resistance Gene Counts floR 5.3% 30 blaOXA-506 5.3% blaTEM-1D 6.1% Mean: 3.8 blaOXA-500 6.1% catB8 6.8% blaNDM-1 6.8% Number of Genomes aph(3")-Ib 7.6% aac(6')-lb3 7.6% 9.1% msr(E) mph(E) 9.1% 9.8% armA 11.4% aph(3')-la 12.9% blaOXA-66 12.9% aadA1 13.6% tet(B) 16.7% sul1 18.9% blaOXA-23 22.7% aph(6)-Id 24.2% sul2 0 blaADC-25 50.0% 20 60 10 15 40 **Number of ARGs per Genome Number of Genomes** D. Correlation Between Defence Systems and ARGs C. Resistance Gene Categories RosmerTA Cas **CBASS**

