

Group of genes	Genes Description
Siderophore Yersiniabactin	<p>VFG012529_gi:91211194_ (ybtS) putative salicylate synthetase [Yersiniabactin siderophore (CVF458)] [Escherichia coli UT189]</p> <p>VFG046108 (ECVR50_2112) putative cytoplasmic transmembrane protein [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG046109 (ECVR50_2113) putative ABC transporter protein [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG046110 (ECVR50_2114) putative inner membrane ABC-transporter [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG012543_gi:26248275_ (ybtA) Putative AraC type regulator [Yersiniabactin (IA006)] [Escherichia coli CFT073]</p> <p>VFG046112 (ECVR50_2116) yersiniabactin biosynthetic protein [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG046113 (ECVR50_2117) yersiniabactin biosynthetic protein [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG046114 (ECVR50_2118) yersiniabactin biosynthetic protein YbtU [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG046116 (ECVR50_2120) yersiniabactin siderophore biosynthetic protein YbtE [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG046117 (ECVR50_2121) pesticin receptor precursor [Yersiniabactin siderophore (CVF458)] [Escherichia coli VR50]</p> <p>VFG048589 (A79E_1703) YbtT [Yersiniabactin (CVF851)] [Klebsiella pneumoniae subsp. pneumoniae 1084]</p>
Type VI secretion system (T6SS)	<p>VFG035777_gi:386612391_ (aec18) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035745_gi:260842457_ (aec19) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli O103:H2 str. 12009]</p> <p>VFG035704_gi:386612388_ (aec22) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035680_gi:386612387_ (aec23) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035655_gi:386612386_ (aec24) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035629_gi:386612385_ (aec25) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035604_gi:386612384_ (aec26) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035578_gi:386612383_ (aec27/clpV) ATP-dependent chaperone protein ClpB [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035552_gi:386612382_ (aec28) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035526_gi:386612381_ (aec29) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035502_gi:386612379_ (aec30) type VI secretion protein lcmFhypothetical protein [ACE T6SS (CVF736)] [Escherichia coli UMNK88]</p> <p>VFG035475_gi:218693681_ (aec31) hypothetical protein [ACE T6SS (CVF736)] [Escherichia coli 55989]</p> <p>VFG035444_gi:260866361_ (aec32) Hcp-like protein [ACE T6SS (CVF736)] [Escherichia coli O111:H- str. 11128]</p>
<i>E. coli</i> common pilus (ECP)	<p>VFG002417_gb NP_286006_ (yagV/ecpE) E. coli common pilus chaperone EcpE [ECP (VF0404)] [Escherichia coli O157:H7 str. EDL933]</p> <p>VFG002416_gb NP_286007_ (yagW/ecpD) polymerized tip adhesin of ECP fibers [ECP (VF0404)] [Escherichia coli O157:H7 str. EDL933]</p> <p>VFG002415_gb NP_286008_ (yagX/ecpC) E. coli common pilus usher EcpC [ECP (VF0404)] [Escherichia coli O157:H7 str. EDL933]</p> <p>VFG002412_gb NP_286009_ (yagY/ecpB) E. coli common pilus chaperone EcpB [ECP (VF0404)] [Escherichia coli O157:H7 str. EDL933]</p> <p>VFG002414_gb NP_286010_ (yagZ/ecpA) E. coli common pilus structural subunit EcpA [ECP (VF0404)] [Escherichia coli O157:H7 str. EDL933]</p>
Hemorrhagic <i>E. coli</i> pilus (HCP)	<p>VFG045936 (ppdD) prepilin peptidase-dependent protein D [Hemorrhagic E.coli pilus (HCP) (CVF825)] [Escherichia coli VR50]</p> <p>VFG045948 (ppdD/hcpA) putative major pilin subunit [Hemorrhagic E.coli pilus (HCP) (CVF825)] [Escherichia coli O111:H- str. 11128]</p>

Table S2 : Details of the genes absent (highlighted in gray) of present (not highlighted) in the isolates belonging to the clonal lineage A, classified by function. The nomenclature is the same used in the VFDB database.