

Supplementary Table S3: PulS-OutS, YacC and AspS accession numbers.

| Species with <i>Klebsiella</i> -type secretins | | | | | | Species with <i>Vibrio</i> -type secretins | | |
|--|----------------|---------|---|----------------|---------|---|----------------|---------|
| Species-strain | Accession | Protein | Species-strain | Accession | Protein | Species-strain | Accession | Protein |
| <i>Klebsiella oxytoca</i> 10-5246 | EHT13413.1 | PulS | <i>Citrobacter koseri</i> ATCC BAA-895 | YP_001454765.1 | YacC | <i>Candidatus Hamiltonella defensa</i> 5AT | YP_002923249.1 | AspS |
| <i>Klebsiella oxytoca</i> 10-5250 | EHT07154.1 | PulS | <i>Citrobacter rodentium</i> ICC168 | YP_003363779.1 | YacC | <i>Escherichia albertii</i> TW07627 | ZP_02900670.1 | AspS |
| <i>Klebsiella pneumoniae</i> 342 | YP_002240362.1 | PulS | <i>Dickeya dadantii</i> 3937 | YP_003884188.1 | YacC | <i>Escherichia coli</i> 55989 | YP_002404342.1 | AspS |
| <i>Dickeya dadantii</i> 3937 | ADM99380.1 | OutS | <i>Dickeya zeae</i> Ech1591 | YP_003003369.1 | YacC | <i>Escherichia coli</i> ABU 83972 | YP_006107363.1 | AspS |
| <i>Dickeya zeae</i> Ech1591 | YP_003003638.1 | OutS | <i>Enterobacter cancerogenus</i> ATCC 35316 | ZP_05966740.2 | YacC | <i>Escherichia coli</i> APEC O1 | YP_854410.1 | AspS |
| <i>Pectobacterium wasabiae</i> WPP163 | YP_003258814.1 | OutS | <i>Enterobacter cloacae</i> SCF1 | YP_003943129.1 | YacC | <i>Escherichia coli</i> B7A | ZP_03030859.1 | AspS |
| <i>Pectobacterium carotovorum</i> subsp. <i>brasiliensis</i> PBR1692 | ZP_03827794.1 | OutS | <i>Erwinia</i> sp. Ejp617 | YP_005816839.1 | YacC | <i>Escherichia coli</i> E24377A | YP_001464426.1 | AspS |
| <i>Escherichia coli</i> O157:H7 EDL933 | YP_325604.1 | EtpO | <i>Escherichia coli</i> 55989 | YP_002401255.1 | YacC | <i>Escherichia coli</i> ETEC H10407 | YP_006116780.1 | AspS |
| <i>Escherichia coli</i> O157:H7 str. EC4045 | ZP_03258481.1 | EtpO | <i>Escherichia coli</i> ABU 83972 | YP_006104279.1 | YacC | <i>Escherichia coli</i> IHE3034 | YP_006102498.1 | AspS |
| <i>Escherichia coli</i> O157:H7 str. EC4115 | YP_002268509.1 | EtpO | <i>Escherichia coli</i> APEC O1 | YP_851322.1 | YacC | <i>Escherichia coli</i> O127:H6 str. E2348/69 | YP_002330721.1 | AspS |

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|--|----------------|------------------|--|----------------|------|----------------------------------|----------------|------|
| Serratia proteamaculans 568 | YP_001479335.1 | PuIS-OutS family | Escherichia coli B7A | ZP_03028195.1 | YacC | Escherichia coli O7:K1 str. CE10 | YP_006145504.1 | AspS |
| Serratia plymuthica PRI-2C | ZP_10113051.1 | PuIS-OutS family | Escherichia coli E24377A | YP_001461290.1 | YacC | Escherichia coli SCI-07 | EIA35552.1 | AspS |
| Yersinia aldovae ATCC 35236 | ZP_04621856.1 | YtsS | Escherichia coli ETEC H10407 | YP_006113711.1 | YacC | Escherichia coli STEC_H.1.8 | EGX06969.1 | AspS |
| Yersinia enterocolitica subsp. enterocolitica 8081 | YP_001007735.1 | YtsS | Escherichia coli IHE3034 | YP_006099379.1 | YacC | Escherichia coli UTI89 | YP_542365.1 | AspS |
| Erwinia sp. Ejp617 | YP_005816908.1 | OutS | Escherichia coli O127:H6 str. E2348/69 | YP_002327717.1 | YacC | Escherichia fergusonii ECD227 | EGC96388.1 | AspS |
| | | | Escherichia coli O157:H7 EDL933 | NP_285818.1 | YacC | Grimontia hollisae CIP 101886 | ZP_06053900.1 | AspS |
| | | | Escherichia coli O157:H7 str. EC4045 | ZP_03254912.1 | YacC | Shigella boydii ATCC 9905 | EFW55930.1 | AspS |
| | | | Escherichia coli O157:H7 str. EC4115 | YP_002268729.1 | YacC | Shigella sp. D9 | ZP_08392629.1 | AspS |
| | | | Escherichia coli O7:K1 str. CE10 | YP_006142260.1 | YacC | Vibrio brasiliensis LMG 20546 | ZP_08098413.1 | AspS |
| | | | Escherichia coli SCI-07 | EIA38197.1 | YacC | Vibrio cholerae TM 11079-80 | ZP_04410118.1 | AspS |
| | | | Escherichia coli STEC_EH250 | EGW99191.1 | YacC | Vibrio cholerae V51 | ZP_04918467.1 | AspS |
| | | | Escherichia coli STEC_H.1.8 | EGX16937.1 | YacC | Vibrio fischeri ES114 | YP_204405.1 | AspS |
| | | | Escherichia coli UTI89 | YP_539176.1 | YacC | Vibrio parahaemolyticus 16 | ZP_05121506.1 | AspS |
| | | | Escherichia fergusonii | EGC93914.1 | YacC | Vibrio parahaemolyticus | NP_798352.1 | AspS |

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| | | | ECD227 | | | RIMD 2210633 | | |
| | | | Klebsiella oxytoca 10-5246 | EHT13356.1 | YacC | Vibrio tubiashii ATCC 19109 | ZP_08739870.1 | AspS |
| | | | Klebsiella oxytoca 10-5250 | EHT07120.1 | YacC | Vibrio vulnificus CMCP6 | NP_761873.1 | AspS |
| | | | Klebsiella pneumoniae 342 | YP_002240398.1 | YacC | Vibrio vulnificus YJ016 | NP_934003.1 | AspS |
| | | | Pectobacterium carotovorum subsp. brasiliensis PBR1692 | ZP_03826617.1 | YacC | | | |
| | | | Pectobacterium wasabiae WPP163 | YP_003258571.1 | YacC | | | |
| | | | Rahnella aquatilis HX2 | YP_005403530.1 | YacC | | | |
| | | | Serratia proteamaculans 568 | YP_001480223.1 | YacC | | | |
| | | | Serratia plymuthica PRI-2C | ZP_10112392.1 | YacC | | | |
| | | | Shigella boydii ATCC 9905 | EFW54632.1 | YacC | | | |
| | | | Shigella sp. D9 | ZP_08393601.1 | YacC | | | |
| | | | Yersinia aldovae ATCC 35236 | ZP_04621045.1 | YacC | | | |
| | | | Yersinia enterocolitica subsp. enterocolitica 8081 | YP_001005056.1 | YacC | | | |
| | | | Yersinia pestis KIM10+ | NP_668112.1 | YacC | | | |