

**Table S1.** PCR conditions

Reagent names	Volume (μL)
DEPC water	19
ExTaq	25
Primer A(10μmol/L)	2
Primer B(10μmol/L)	2
template DNA	2

**Table S2.** Cas12a reaction conditions

Reagent names	Volume (μL)
DEPC water	12
NEBuffer 3	2
Cas12a	1
Probe	2
crRNA(10μmol/L)	1
PCR/RPA product	2

**Table S3.** RPA reaction conditions

Reagent names	Volume (μL)
Primer A(10μmol/L)	2.4
Primer B(10μmol/L)	2.4
2×Reaction Buffer	25
dNTPs(10mM each)	2.3
10×Probe E-mix	5
20×Core Reaction Mix	2.5
DEPC water	6.9
template DNA	1
280mM MgOAc	2.5

**Table S4.** The 97 *Y. pestis*-specific tags obtained in this study\*

Tag names	Start site	End site	Sequences (5'-3')
YP_Etag 001	163534	163634	TTGTTCGGATTATCGGTAACGTTCTCACTGTTCAACAATGAATT CAATGGATTGCTGATGATGATCAGCATTAAAAGGAAGTAAGCT GATGACTATT
YP_Etag 002	416199	416299	ACGATGCGGTAGCTGCTGGAAACCATGGTGCCGAGTAGCAACAT CAGCATCATGAATAGCAGGTTGCTGGCATTCTGAATTATCAGCAT AGCTGTCTTAT
YP_Etag 003	421710	421810	TAGCTGCTTTTATTCTGGTTGCCAGCCAGCGAGGGGAGGAAAGCC CAATGACCAAGCAAGTGACATTTATCTGCGGGCTTCTTAATGGCG TTCATGCCCCG
YP_Etag 004	421811	421911	CCTGCGAGCCATATAGAAAGGGTATGCAACCGCTTCCAATCGCG TTTCCACTGGTATAATCCGCGTCTGGCATCGTGGGAGATGGCAA GAGCGTACTTT
YP_Etag 005	423005	423155	AATCAAGGTGCCGAATCCATTGGCTTGTTTCGTACTGAAATATTG TATATGGATCGTGCAGCCGCGCCTTCAGAAGAGGAGCTTTATACC CTCTACGCTCAGGCACTTGGCGCTGCCAAGGGCAAACCGATTATT ATTGCGACCATCGAT

YP_Etag 006	424204	424304	TTTTCCAAACTGGCGCGTCGGATCATGCACGAGGGGTTCGCGA TGCGCTGGTTAGCGCTGGGACGGCCAGCAAGTAGAAATGCTGC TGAAACACGAG
YP_Etag 007	467679	467829	TTTTGGTTAAACATAATGGCAGTGGATTGAGTGCGBAACAGGT AAAAGTGCTTAATCGCCTATTAGATGGCGGTGAGAATGGCTTTTC TGCTGGGATAAATGCGTCACAATATCAGAAAGTCGCAAAGGTCA GTAAAGCAACCGCCACG
YP_Etag 008	508775	508875	TTTCTCGGCCCATGGTGTGTACAGGCCGTTCCGGGCAGAGGCCCG TTCACGTAATTTGACGATGCTGTTTGATGCAACCTGTCCATTGGTT ACCAAAGTC
YP_Etag 009	517030	517180	AAAATGCGGCTTTGAGTGAGATGGGATGCTGTGCAGTATTATCAA TACTAAACTTACTTTCTCCCCGTGACAGCAGTGCTTGAATACCAA TCCAGATCAGGTAGCAGGCCCGGCATATTTTCAGCAAATTGAAT AACCATGGTGTGGTCG
YP_Etag 010	533856	533956	GATCTTTCTGGCCACAGAGCAAAGCCTCTTCCTGCTGTTGAAGAT CGTAAATTCCTTACTTTTCGATCAGGATAATTTTCGATGCCCGGATG AGAGCAATTA
YP_Etag 011	553573	553723	GCCGATATTGCGGTGTACTTGTTCTCAACAATATCGATAAGTTA CCTGGCGGCGAAACCTTCCTCTCGTTAATGAACGACGAACTTCTG GCCGAGGGCTTGGGATTAGCATGACCATAATGAAAAGGGGCA GAACAATTTCTGTGCC
YP_Etag 012	859300	859400	GAAATTTGAGTTCAGAGGAAAATTTCCGGTGTGGAAGCGGTA CGCAAAACATAATCAATGGATACAGAAATACAGGGAGGTCTGC GATACGACTCGCA
YP_Etag 013	861387	861487	ATTCATTGCCGTATGACTGCAACCTCGATGGCTTTTGTTATTTAT AAGCATTCTACTTCCCACCCGAATCAGCCACCTAAACCACGG CGCTCCATAA
YP_Etag 014	1000314	1000464	GGGGGCGGCCTCTTGCCCTAACCGACGACCAAACCAGATCTCAG CGGTAAATCCCGGATCCGGTTAAACAGCACGCTGTGGTTATGAG TCTCATCGCTTTTAACCAGAATCAACACCGCTTCTGGCTCGTTGA AGCCCGTCAGATAGCT
YP_Etag 015	1034125	1034225	GCCCGTCAGTTAGTGCAGCAAGCCGCTTCCGGGGCTTGCTCTG GTCGAGGCTAACCCACACGTGCCACTTTCGGCCTTGCGAGAGCA GGTCACGTCCA
YP_Etag 016	1056025	1056175	CAGCCGTCAGTGCTGCTGATAGCGATCAGCGGAAAATATCGAT AGCCGCGCGCTGTTCAATTCAAGACTCGATGCGCTAAACGAGCA CTGGCTATTACTCGGTGGCCTGCGTACGACAGCTTCGATGTGAT GGCAGGTAAAGGCCGCC
YP_Etag 017	1568717	1568817	TGGTGCCCGAGCACAGTTTGCTGCGGTGCCATTGAACTTGCTTGG TGACCGCAACAGCGCTGACTATATCGATGGTGGCTATTGGGCGC ACAGTGCGATT
YP_Etag 018	1569280	1569380	GCGAAATGGAAGAGCGCAATCAGGCGAAAGCTGAACTATTGTA CGGTGCCATCGACCGCACAGGCTTCTATCGCAATCAGTTGCTAT TACTAACCGCTC
YP_Etag 019	1774064	1774214	GTCATTCAAGGTATTCCGGTAGTTACGGGCGCGGAAGCGGAATA ACAGGGCCTCCAACCGTGGGTCTGAAATGTCAAATCCAGTGCT GGCAGATTTTGTGACTCAGTTTGCTGGATAATCTTTATGGTGGCGC GATCAGCATCACTGAA
YP_Etag 020	1846828	1846928	GTTGCGCCCGATCACTTAAATCTTGACCAACTTCAATTTGGTTG GCCCTTCCAAACGGTAAATCTGTGGTTGCCGTTGTAACAGCCCAA TCAAATACAC

YP_Etag 021	1868734	1868834	TAGTTGTAGTGATATCACTATTATCTATCAATTATACGAGGCTATT GAGGTTTCGATTGGTTTTGTAAAGGTTTGATATGATATGTGTTGT GTATTAAC
YP_Etag 022	2085369	2085469	TGGCTCTTTAATTGCGTCTGGATAGAACGCAATGTGCCATCCCCG ACTAATGCACCATTACTCGTGGATTGATCCTGGCCTGTCTCTACA ACGGTATATT
YP_Etag 023	2085954	2086054	TTTTGGCCGGGTTGAGTAATCGTGATCGTGCGTGTTGCATCACTGC TACCCAATTTATCTGTAGCGCTAGGCACATCTGCCGATAACAGCG ATTGTGCTT
YP_Etag 024	2087369	2087469	AATATAAAGGTGAAGTGGATGCTACTAATGGAAAAGTAACATTT GCAGATGATGCTAATGGCGATCCAATTGATGACGCTACCAAGCT GGAAGCAGCGGC
YP_Etag 025	2363736	2363836	ACGAAAGGCGATCGCTCTATGTACCCATTGCGAACAGCGAACTC CATCATCGCGGCAAAACAAGAAAGGTAGACGTTTACCGTTCTGA CAGACCGACCTT
YP_Etag 026	2482968	2483118	CAAAGGAGTAACGGTCAACTTTGGTTAAATCTGCAACATAGCGG CTACCGGGTTTCGCAAATACGCGCTAGATCGTTACGAGCCAGATC CACCAACATTAAATGTTCTGCCATCTCTTTATGGTCAGTACGCATT TCCAACCTCGATACGGC
YP_Etag 027	2493249	2493399	AAGAATACCCGCAAGATTCTGCGTAGCGGTGAAGTTGCACCACC GAAAGAAGATCCGGTACCATTGTTAGAGTTGCCTTGCGAGAAAT CAGATGCTTATTTTCGTCCTACGAGATGGCGCAGCTGGCGTGTTCT TGGCAGCCAATACATTC
YP_Etag 028	2847196	2847296	AGATCAACGGCATCAGTCCCGACACCAAATATTGAGATGATCTG CACTTCAGGCAATAACGCCAGGACCTCATTAGTGACGCCAATAT CACCTCTAGTCA
YP_Etag 029	2847692	2847842	TTATCATTACCGAAGCTGAATTGTTTCAGCTACAGAATAGGCGTT AACAATCTCTGTCGCACCTTAGGGGGGAATGTTATTGGTTGATAC GCATTGTTATACGTTGGCGTCACCTGTTAACAGGCGATAATTGAT GAGCCGATGCTCTAC
YP_Etag 030	2855736	2855886	GGCTTCGCTATCCGCCGCCGGTGCGTACATAAACAAGCGCATCA CTACGGCAAAGATAGCAATCTTGCTGGCGGTGCCAGGAACGTG GAAACTGGCGCGGGTGCGCCCTGATACACATCGGGTGTCCACAA TTGGAACGGTACCAACGA
YP_Etag 031	2936317	2936417	CCTATTCTTGAAAGGATTCGGTTGGGCACCGTTCTTAAAATACCA AATAGTGAACCGACGAAGAAGGCGATCACCCAAGCACATAATG ATAATGCGACCG
YP_Etag 032	2994868	2994968	CCCCCTTGATGAACCTCATGGCTCTGGTCTGCACATTCACGGTATT CACTCCCACGAAGAAGGCCATAGTCATGGTGATCACGATCATGA CCACAGCCAT
YP_Etag 033	3196040	3196140	TCGGGACCAGTCGCTGGCTGACAGCACGGCAACGCCAGAGTGAA CCAATCAATAAACCCACCTGCAATTTTCATCATTTTCATTACCAC CATTGGTGAAA
YP_Etag 034	3292861	3293011	CCCCCTCAATGGGCGTGATCCAACCTTAAGCCAAATCTGAAGGAA GGAGATTTGACTCAAGGGTATTGTGTTCCAGGGGCAGCTCGTTC TTCACCCATATCGCACCTGGCGAGACAACCCGCTGCGAGTTCGCG AGTGGTCAGGATGTGG
YP_Etag 035	3293888	3294038	GGCTCCTTATGGCGATAGCTTGGCGTACCTCTCTATTGAAGCTCA GGTGACTAATCGGGATCTTCCGCGCCTGATTCCGCCAGTGGTAA TTTTGAATTGACCATGTGCGATTACGCGCCCGTTACGGTGCCCG GTTTGTCTTCCAACC

YP_Etag 036	3296504	3296604	CCCCATCCCCACAGTTGCAGCCGTTACAGTTGCAATCGGCACAGT TGCAACCTGTACCGATACAGTCACAGCCGGTGCCTGTCCAGCAG CAAGGGATCCA
YP_Etag 037	3297227	3297347	CGTATCCTGCAACTTCACACTTCAGATTGCAACTCTATAAAATTA AAGATACGTTGAATTTAACTGATACCAACGGCGAACGTGTTCTGC CGGGTGGCACAATAGCTTATACCTGGGCGA
YP_Etag 038	3297578	3297678	CCGATAATAATTACATCAAGGTAAAAGACAGCCAGAACCAAGA AGACCGGTTGCTTATCAAAATCAGCGACACCAACGGTCAACAGA TGAAAGTGAATGG
YP_Etag 039	3300059	3300159	CCCCCAAGTGTGCGACTCCCATTCGCGAGGAGACAGCGGAACCTG TAGAACAGGAGAGTACGGTTATTTTAATTCTCGGTCCCTATGCTG AGAAATGGTTT
YP_Etag 040	3300389	3300539	CCCCCTCCCCTGCGTATTTGCTATTTACGCGCAGTTGAGTAATGA ACGCCTTAGCCATAATTCTGATAACGCATATTGGACTGGAAATAT TAATCTTGCGAACCAGCAGCCTATCGAGATTACGCAAGCCCTAC AGTCACTGAGCCAACG
YP_Etag 041	3300529	3300629	TGAGCCAACGACTTGAGTTACAAGACATCAATCACTCAAGATTT GCAACTCAGCGTAATGTTATGGCGCATAATTTATTTACTTG GTG AATGAATCGGG
YP_Etag 042	3306447	3306597	ATCTCTGGCGCGGGAGTATTGGCTTCCAGCAAACATCCGCAGCA AGCCCAGAAATTCGTGCAATGGGTACCGGCAAAGCGGGGCAG GATTTCTTGCGCGAGAGCAATAGCGCCTTTGAATATGCGGTTGGC GTGAATGCCGCTTCCAAT
YP_Etag 043	3365861	3366001	TTGATTACCTTTGAATACCCTTGCCCTTGACGTTGCAACGGTGTT CACCGCTCTCATGAACCCGAATGACTGACGCCTGTCAGCTCATCG GGGTTTGCGCGTTAGCGGCCTTGCTGCAACAACAATGACTTGGGT CGGT
YP_Etag 044	3398458	3398608	TAGTCCGCCAGCAATTTAGGTTTAGGTGGGTCGTCAGGTTTCGA TATGGAATTACAGGACCATGGCGGCCATGGCCATGATAAATTGA TGGTCGCCCGCAACCAATTGTTGCAGATGGCGTCGAGGAACCC GCGTTAACCCGAGTGCG
YP_Etag 045	3415596	3415696	GCACAAGCGTGCCAATCAGAGAAGAATAGATCTTATGATTATCG ATTAACGGCTCAGCTAAACCTAGTGACTAGCAAACGTGTTACAG CTATTAGGATCA
YP_Etag 046	3432506	3432606	AAAGCAGTTACTCGATAGCTTGGGTTTGGCAACTGCGCCGTGGCA ATTGTTATCCAGCGCCAGTGAATGGCCTGAGGTGTTGCCACGTT GGGTGAGCTA
YP_Etag 047	3433765	3433865	ACCAACCTGTTTCAACATCGCACCGATGTCTAACAAACTCAGTGT TGGGAACCTGGCGATTAACTGAACCAAAGCCTCTCCATCACCGTG ATAGCGGAAG
YP_Etag 048	3434740	3434890	CCCCACCAGCAACGAAATCAATACTAATGATCCCATTGACCACA CCCATGGCCATAGCCCGGCAGTGGGTAACCTCTGCGGGCAATACC GGCGCTAATAACCAAACCAATAGCCTCTCAAATAAGAGACCAAT GACACTGCCGCAGAGGCC
YP_Etag 049(YP- 1)	3580080	3580180	TTTCCAAATAATTATGTAGGTGACAATTGTATACCTGCATAATTA ATTAGCAATCAACCAGACTCGCTCCACACATTACATACATTACCA ATCAACCCCC
YP_Etag 050	3580236	3580336	ACCAGTGACGGGGTTTGC GTTCCATCAAGTACATGATGGGCGAC GTCCTGATACAACGCTTACGACTAGCCAACACATCCAGTATTTT TTCAACGATGG
YP_Etag 051	3614292	3614392	TTAAGGAAGTTATTTGCTCGAATCGCAATGGGTGCGAGCACCC ATTTCCGGCTTCATTAAGGTTAGTGATCACATGATCGGCATGGCC AAAAGTCGATG

YP_Etag 052	3614656	3614756	GCAATGAAAACACAACCTGGTGCCTCTACCACGGGTGTTAATTCA ACTGACTTATCCGCCATTACCCGATCTCCCTATCAGCTCAGGGCT TACCCCTCTATT
YP_Etag 053(YP- 2)	3615675	3615825	TTTACCCACGTTCGATGCCGGTGCCATGGACCGTGTGCGCCATGCAC CACGCTGCCATGGTTACCGGACAGATTGGCCGCCAGATCCACGC CCTTGCCCTCGGTACTGTTGCCATTGAGCGTAGCGTTATCCAGCG TGCTCTCGCCATCGAT
YP_Etag 054	3616110	3616230	AGTGCCTGTTGTGCGCCACACCTTGTAGAATCAACAAGTCAGCTTC ACTGGTCCCGGTAACGTTTGAATTTTCGCCAATATCAATACCGTA GCCCCGTGCCAGTAGTCGTTCCGTTAATCGA
YP_Etag 055	3747405	3747505	GCTGGGTATCCCAAATGACGCCCTTCCATCGCCGCTGCTACGGTA CCCGAATAGATAACATCATCCCCTAAATTAGGGCCAGCATTAAAT ACCAGAGACAA
YP_Etag 056	3773215	3773365	GCACTACCAAGCCAATCACAAGTAGAAGCCGAGCAACTTAAAC AAATCGGCGCCAAAGATTGTCTGCTGAAACCCATATCGTCTATCA GGCTTATCCCTTTACTCTTGGCCGAAGACACGCACAGTAAAGTAC CATCAGAGGAGCAACCA
YP_Etag 057	3794158	3794258	TAACGCCAACTTGCCACCCCTTTAGCGCCAACCTACTGTCAGTGAA CTCAGATTTCGCGGTCAATTAGCCCTAATTCGCCACCGACTCACGC CAAATCGCTG
YP_Etag 058	3800871	3801021	ATTTTGATGGCCGCTGGTTGGGTAAAGCTCGTCTGATTGATAAC CAACTGGTTGATTGTGCGCCACTGATATTTTACCGATCAGGCGGTT GCTCATTCCCCTCAAGCCGCGAGTTGGCCCAAATCAACCAGGA ACGCCAAGGTAAAAAGT
YP_Etag 059	3853167	3853267	GGGGAAGCCAGATTGGGCATAAAGAATCAATCAAGGATACCGC CCGTGTATTAGGCCGTATGTATGACGGCATTCAATATCGTGGCTA TGGGCAACGCGT
YP_Etag 060	3853273	3853423	AACACTCGCAGAATTTGCCGGCGTACCGGTCTGGAATGGCCTGA CCGATGAGTTTCATCCAACCCAACCTCCTGGCTGATTGTGCTACTA TGCGGGAACACCTGCCCAATAAATCGCTGAATAAAATGACGTTG GCGTACCTCGGTGATAC
YP_Etag 061	3853453	3853553	AGCGGCCGCACTGGTAGGAATGGATTACGCCTAGTCGCACCGA AAGCCTGTTGGCCAGAGGAAGCCTTCGTTATCAGTTGCCAGGCA CTGGCACAGAAA
YP_Etag 062	3943702	3943802	AAAAGGGTCAGGTCATCCCGCAAGCCGACAACAATTGGCGTCTG GCAATTCTTGATAGCAAGCAACCTTTGGATATTCGTTTGAACCC TCTCCAACCTGC
YP_Etag 063	3943870	3944000	GCTTCGCGGTTTATCACATCGATTTACAGAGAAAAGTAATCTCTGG CGGCAACGCCTTACACTGTACGCTGCTGTACCCCCATAATACCCA CTTGGAGTTATATCACAATCTATAACATGCATTTATTATG
YP_Etag 064	3955098	3955198	CATCACAGCGCCTAACTTGTGGTGATGGGGCCTTTGTGGAAGAA GAACAACACCTAGTAATTAAGCGATAACCCCACTGCGCGCCCT CTTGATTGATTT
YP_Etag 065	3965883	3965983	TCGAGCCAAACTTCATAACCTTGTTGTTGATAACTGCTCAGCAAA TCCAGAACGGCATCGGGCACACAATCCGGGCGAGTCCCCACGCA CAGGCCCAAA
YP_Etag 066	3994470	3994570	TTTTGATGCAGTATTGACCCGTGAACGCATGGGTAGCACCGGGAT TGGCAGTGGTATCGCAATACCTCATGGCAAGTTGGAAGAGGATA CACTGCGCGCG
YP_Etag 067	3998082	3998232	TATGATATCCCTTTCGCGATTACGTAAATCAGGAGTCAAGATGTT ACGTGCTATCAAACTAAACTCGCCCCCTGCTGCCATTGGCCCTTA TGTTCAGGTGTCGATCTGGGCAGCATGATCATGACTTCCGGTCA GATCCCGATCGATCC

YP_Etag 068	4107295	4107445	TTCCTTTGCCAGCCAGGAGTACGGGGAAATACGGGCTTTATCGCG GCGTGGATAATTGATTGTACACTGTGTAGTGGGTGACCATATTC ATTGCAACGCAGCACAAATCTGCTGGCTGCATTGCGGGTCTTGCGC GATACGTTTCGTAGTG
YP_Etag 069	4108043	4108143	TTTTCATCCAACCAGAATTGGACAGAACTGCGGTAAAGCAACTG ACTCTCTGCGCCCATATTATTGTTGGTGGTGACAGTAAATAGGG TTTACTGGCGA
YP_Etag 070	4108256	4108406	ATGCCTGTTGGCAACGCGATAGCCAGTGGTTCGGCAAAGCGGTT ACCACTCTGGTTGCGGTAAATGAGCAGTTGGCTGGTGGCATA AATAAGGTCAATGGTACCGGAGCCATCAATATCTGCCAGATAGA TCGCTAGTGGATTAAAT
YP_Etag 071	4109333	4109433	AAGCCATAGTTAAAGTGTGAGAAGGCGTCCTGACGGAAATTCCA GGATTTTCCTTTTATGATTACCGGCACTTGCTCCGCGATATTACTG TATTCGCCGT
YP_Etag 072	4112156	4112256	AAGCTTGATCGCCTTGGCTAATAATCAAGTCTAAGGTACGCATAA AGATCGCCAGCTTATATTGCATCGGATCTTGATGGCAATAACAT CCGGATCATC
YP_Etag 073(YP- 3)	4125519	4125619	ATTGTACAAAAATCTCTGTTAGACTCAGACCTATGGCGTTCTCTA TTTTATCCGTATAAGTCGTCGTATTACTACGTCGCCACGGCACTTT TCTGAACGA
YP_Etag 074	4189201	4189301	TCATCACACGCGGAATAGCAACAATCACACAAGGAGCAATTTG CGGATAATAGCGCTCCCGACAGTGTTACATAAGCTGGCCCATTC CGTCCGGCTGG
YP_Etag 075	4190854	4191004	CCATCCCGGTCTATGACACCTCCGGTCCCTATGGTGACCCACAAG CTAAACTGGATGTTTATAACGGGCTGCCTAAACTGCGTGCCGCTT GGGTGCGCAGATCGCCAAGATACTGAAGCGCTGGCATCTGTCACT TCCGGCTTTACCCAAC
YP_Etag 076	4439029	4439179	CCGTTATCGAGAGCAAAGCTAACGGATTGATTAGCTAATAGGTT GTCATGAGCATCGGTAACCAACGCTTGTGCAATGTTACCGGCTTT ACCATTGCAAGCTGGTTATCCAAGAACGACGTTAGCTTAAGCTG GGCTGTCGAAACATCG
YP_Etag 077	4442159	4442309	CACCCGAGACGGTATGCGTCAGTGTGGTACTGGCAGTACCATTA GCTCCTGTTCTTGCCTCTGTCGTACTTAATGTTGCCTGAGTATTA CCGCAAAGTTGATGAGCTGCCCATAATCGGTTGGCCGTCGCCAT CGGTTACTGTGGCTT
YP_Etag 078	4450113	4450263	CCTGTAATTGGCATGTCGATAGTTGCACGCTGACCAAAGTTGTCA GAAGCAGCGAGTACCGCAGGATTGACGTCCTCCAGCTTATCTT TTTCACGTGGCCCAAGAGAGGAAGCCTGAGTATGATGAACCTGT CTTTCACGCATGTTGA
YP_Etag 079	4450281	4450431	GGTAACCATCATTAATTCATACTCACGGCAAACCCGTGTCCAG GCAGCATAGGCGCTGACTATACGTTTACTACTCTTCGGGGCGAAG ATTATCTCTGGATAAGTTGTACAAATAGATGCCGAGAAGGCTTAG GCTCATCTCAACTCCTG
YP_Etag 080	4450664	4450764	AATTACATCAGGCTCATCCGGGCGGGTCTTCCAAGGCGTCAAA TTGGCTTCTCAATAAATCGCTTGGCATAAAATGGCCGGAACGTGC TTGCAACCGC
YP_Etag 081	4451806	4451956	CATTGCCACCATTTTCAACGCCGATATGGGCAAAACGCTGCTGTA CGGCACGTTGCTGGCAATCCCAACCGTGATTTTGGCAGGCCCGGT GTACGCCCCGTTTCTAAAAGGAATTGATAAGCCTGTTCTGAAGG GTTGTATAACCCGAA
YP_Etag 082	4456200	4456300	AAAATAATGTTTCATTGCGCGCGTAATGGTTATTTAACTGTTCTC ACGAATAAACACGTCTAATTCGCCAGTGGCTTTGCACCATCAAT AGCATTGGC

YP_Etag 083	4462370	4462520	TTTATTCATAACGCGGTGCCTGTGGGTGAATGTCGATAGCCGCTA GTCAATCACAAGCCGGTAAATGCAAAATGTCAGAAGCCGTTTCAT AATTGTCATAAAGTTGAATAGTTAACCGAGATCACATTCCCGATA GGGAAATCATCGCTAG
YP_Etag 084	4462624	4462724	AACTTGCTCGTGGTGGCGGTACCCTGATGGTGAGTGGTGTCGCG GTGCTGGGCTTCGAGCAGGCAAGCCGCTTACAAAAGCAGGTCCA GGAGCGGACAC
YP_Etag 085	4468034	4468184	TCAGCCCAGATGACCGCGGCGGTCTCTATCGGTATTGCCAGTTAT ACCGGCATGCCAGTATCGACCACTCAAGTGCTCTCTTCTGCTGTT GCCGGGACCATGTTGGTTCGATGGCGGTGGCGTGCAGAGTAAAAC GGTGAAGAGCATTATG
YP_Etag 086	4469634	4469784	TATTAGTGTAAGGAAATGAAATGGAAAATAGCCTGATAATCTCGC ATTTAAGCCTATCTTGCCGTTTGTTCAATACCGATTAAATGTTAACG TCTCATTTGGTATTGATTGTATCACCGTATTTCTCGCGCTGATCAC CGTGCTCAAACATT
YP_Etag 087	4472832	4472952	TATGCCTATTATCCTAATCCAGGTAGCTTCAGCCCCAATATGGATT AATTACAGTTTCAGCGATAACCAACATCCCAGCAGATTAAATGA TGGTGGCGGAGTATTAACACATGAGATCCGC
YP_Etag 088	4479982	4480082	CTCAGCAAGGCAGTGC GGCTCAGTGGCATCGATGGCAGCCTAT TTAGGATTAGACCTCACACTGCCACGCATTGCGCTGATCGTCAGT CTGCGTGAACA
YP_Etag 089	4480082	4480232	AGAGCACACTCAGCAGCGGGATCTGGTCGAAATATTAAGCAACC ACAGCCGTGAAACATTGGTACACCTTACATGGGTTTGAGCGGGTTG TGGTGTCTATTGCCGCTGAACCTGCACACAGTGACGATCGTGAAG TGACGGCCAGAAAGGC
YP_Etag 090	4481162	4481262	ACTGGCACTGGCAGTTGCGACGATGCTGCTGACAGCGGTCCGGG TGTTTATCGATGTCGCGGTGATTACCGTTTCCCCAATCGCTCTGGC CATTGCGCAC
YP_Etag 091	4481507	4481607	TGATACTGCGCTGCCTGCCTTTGGTGCAGCAATGGCGGCACCTCT GGTCGCCATCTTCTACTGGCATTACGCCCTATAGCTGGCATTGC CATTGACCCC
YP_Etag 092	4482938	4483088	TACAACCGGGGATTGAGATAGTCACCGAAGCGCTAAAATTAGCG GCTACCGTGCAAAATGCTGATTTAGTCATTACCGGCGAAGGGCGT ATCGATAGCCAAACCATTTACGGCAAAAACACCGGTCCGGGTGGC GCGAGTCGCGAAGCGTT
YP_Etag 093	4488099	4488249	GTCGCATTTGAGCCACCCGCTGAAATATAGATACCCGCACCTTG GTCGCATGAGTACTATTAATGGTGTTATTCGCGCCCGTTAAGCTC CCTCCGGAACCATCCAGATAAATGCCATAGTACCACTGCCACT GGTATTGAGGGTGGTA
YP_Etag 094	4491184	4491334	CGTTACGGTCTGGCAATAACCGCACTACCCTCTGGGGATTTTTTA CTGCTGGCCAACAAAGCAAGCCTGATAACCCAGGATCGCGCCTC AGCAGAGGAGCTGCAAGATCACACCTGTCAGGTGCTACCTCACC TCCCGGTGCAATAACAC
YP_Etag 095	4492530	4492630	TCCCGGATAAGACCAATTGTAGATCCAGCCCCGCCAGATTTCCG GGATCGGTTAAGGTCCCGACGACGGCCACCAGAGTAGAACCGTA GCGCATATCCGC
YP_Etag 096(YP- 4)	4493379	4493529	CAAAAGGCCGTTGTAACTCGGCGGAGACTTTTTGGTTAATCGTTG GCTTCAAGCGATTCCAGTCAAAAGAAGAGACAAATATCACCACC GCCACCAATGACAACAGGATAAACCCTGCGGCCACCAATAC TTTTCCGGTCTTGTC
YP_Etag 097	4595084	4595184	TTTTGCCACCCAGATAATGCAGTGAAATGATTTCGAGTCTACCAAC CCGACGATCTCAATGCCCTGATGCAACTGTGGCTAACCAGTACTA TTGACGCGCA

\*The *Y. pestis* CO92 strain was used as the reference (GenBank: NC\_003143, 13-DEC-2020).