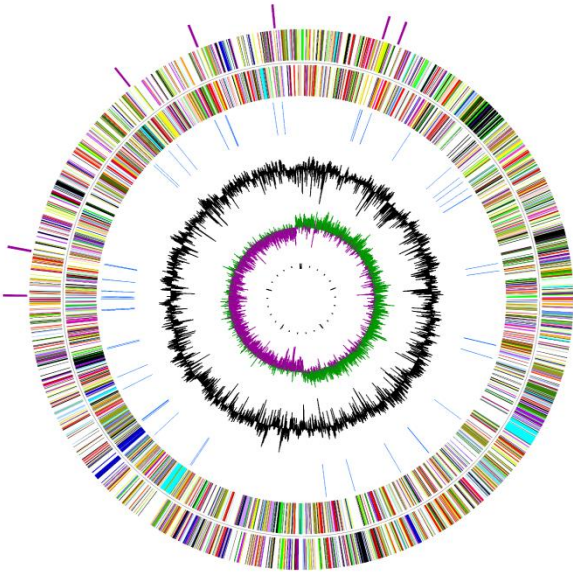
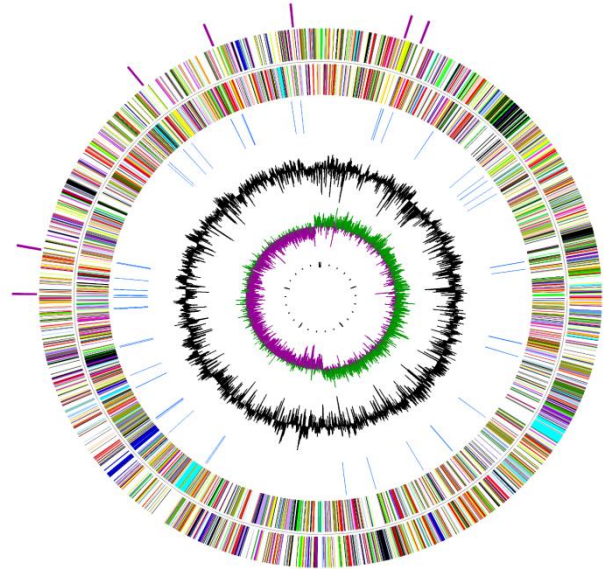


Appendix A Primers used in this study for generation of knockout mutant.

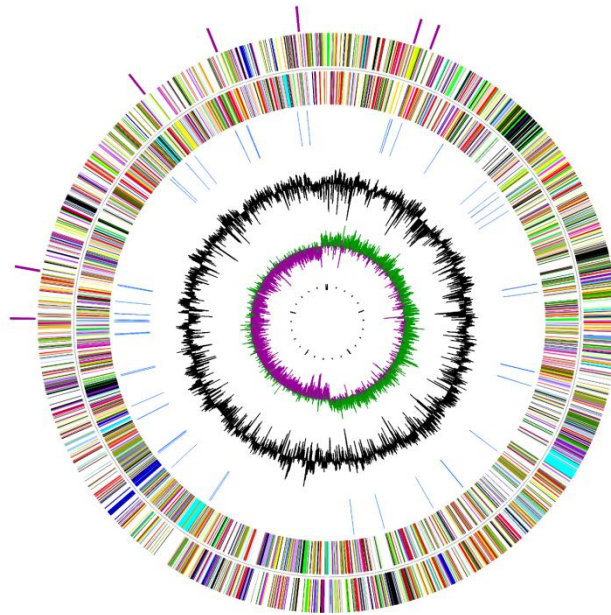
Primer	Sequence (5' to 3')
t4ps-1-F-HindIII	CCAAGCTTATTGAAGCGATGGGGCGAAG
t4ps-1-R-XbaI	GCTCTAGAGAGCACAGCCCACAAGGAAT
km-F-L-XbaI	GCTCTAGATACCGTTCGTATAGCATACATTATACGAAGTTATGAAGCTCCCTCGTGC
km-R-L-BamHI	CGGGATCCTACCGTTCGTATAATGTATGCTATACGAAGTTATCAGGTGGCACTTTTCG
t4ps-2-F-BamHI	CGGGATCCACCAGCAGCAATACCTACGG
t4ps-2-R-EcoRI	CGGAATTCTCGTGCTCTTCGTCTTCTGG



Dickeya
fangzhongdai JS5
5,027,157 bp



Dickeya fangzhongdai
LN1
5,027,159 bp



Dickeya fangzhongdai QZH3
5,027,154 bp

Appendix B Circos for JS5, LN1 and QZH3 chromosome.

Appendix C Distribution of plant cell wall degradation enzymes in *Dickeya*

genomes

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CE1	8	8	8	8	8	7	8	8	8	9	5	10	7	8	8	9	7
CE10	8	8	8	7	6	6	6	6	7	5	6	7	7	5	4	6	7
CE11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CE12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CE16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CE2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
CE3	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1
CE4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
CE7	4	4	4	5	4	5	5	5	5	4	2	4	2	3	1	4	1
CE8	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1
CE9	2	2	2	3	2	2	2	2	2	2	1	1	2	1	1	0	1
GH1	5	5	5	5	5	5	5	5	5	5	3	5	5	5	5	5	5
GH102	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GH103	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
GH104	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
GH105	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
GH109	6	6	6	6	6	6	5	6	6	5	3	6	6	6	2	6	3
GH113	0	0	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0
GH13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
GH130	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
GH140	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
GH19	2	2	2	2	2	3	2	3	2	2	1	3	1	1	1	2	1
GH2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
GH23	5	5	5	4	5	5	6	5	4	6	7	5	6	5	4	4	6
GH24	1	1	1	0	0	1	0	1	0	1	1	1	0	1	1	0	1
GH25	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
GH26	1	1	1	2	1	1	1	1	1	1	0	1	0	1	0	1	0
GH28	3	3	3	3	3	3	3	3	3	5	3	5	3	4	2	4	2
GH3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	2
GH30	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1
GH31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GH32	1	1	1	0	1	1	1	1	1	1	3	1	2	1	1	1	1
GH33	2	2	2	2	2	2	2	2	2	2	1	2	1	2	2	1	2
GH36	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1
GH38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
GH4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GH42	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1
GH43	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	0

GH5	1	1	1	1	2	2	1	2	1	2	1	1	2	1	1	1	1
GH53	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1
GH73	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
GH77	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GH78	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0
GH8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GH91	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
GH94	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
PL1	7	7	7	7	7	8	8	8	7	8	6	8	7	6	6	7	7
PL10	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
PL14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PL17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
PL2_2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PL20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
PL22	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PL26	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0
PL3	2	2	2	2	2	1	1	2	2	2	2	2	1	2	0	2	1
PL4	1	1	1	1	1	1	1	1	1	1	2	1	2	1	0	1	1
PL5	2	2	2	2	2	2	2	2	2	2	1	2	1	2	1	1	2
PL9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
Total	99	99	99	98	97	102	98	104	97	102	88	105	96	92	74	94	84

Numbers in first line represented as follow: *D. fangzhongdai* JS5 (1), LN1 (2), QZH3 (3), B16 (4), S1 (5), M074 (6), M005 (7), ND14b (8), MK7 (9), NCPPB 3274 (10), *D. chrysanthemi* NCPPB 402 (11), *D. dadantii* subsp. *dadantii* 3937 (12), *D. dadantii* subsp. *dieffenbachiae* NCPPB 2976 (13), *D. dianthicola* 453 (14), *D. paradisiaca* NCPPB 2511 (15), *D. solani* IPO 2222 (17) and *D. zae* EC1 (17).