

Supplementary Table S1. Primers used in the current study.

No.	Primers	Sequence 5' to 3'
Primers used in cloning and transformation		
1	URA5.3(-897)F	GA <u>ACTGAGGGGCGAACGCA</u>
2	URA5.3(+471)R	CCCTAGCAGCTGACTGTATC
3	D184(773)pqeF	<u>CACCATCACCATCAC</u> GCGTGAGTCAGTTCACTGAC
4	D184(+1884)pqeR	AAGCTCAGCTAATTACAGCTTGCTGACCTTACCC
5	pQE_R	GTGATGGTGTATGGTGTATGGG
6	pQE_F	TAATTAGCTGAGCTTGACTCCTG
7	D184(+25)o250R	<u>TATAC GTTCT CGTCG</u> CGTCACCCTCGGGACTTG
8	D184(+28)btF	<u>GCAGGCAAAAAGTGT</u> GAAACCGCTCAGCGACCA
9	O250(-600)pqeF	<u>AAGCTCAGCTAATTACGACGAGA</u> ACGTATAAGGAGTG
10	O250(-1)gfpR	<u>GCCCTTGCTCACCAT</u> GGTCAACGAACGAAGAAACACA
11	GFP(1)F	ATGGTGAGCAAGGGCGAG
12	GFP(717)R	CTTGTACAGCTCGTCCATGC
13	bt(+1)gfpF	<u>GACGAGCTGTACAAGTAA</u> ACTAGCTATTTATCTGGTACAT ATCATTC
14	bt(+200)pqeR	<u>CACCATCACCATCAC</u> ACACTTTTTGCCTGCACAAGT
15	O250(-600)F	CGACGAGAACGTATAAGGAGTG
16	bt(+200)R	ACACTTTTTGCCTGCACAAGT
17	bt(+200)uraR	<u>TTCGCCCTCAGTTC</u> ACACTTTTTGCCTGCACAAGT
18	D184(+28)uraF	<u>AGTCAGCTGCTAGGG</u> GAAACCGCTCAGCGACCA
19	D184(1270)F	ACACGAATCACACGGTGCTG
20	D184(+1448)R	TTGCCGATAACGCAGAAGAGA
21	URA5.3(1412)R	AGGTCGCTGATGCGGAA
22	URA5.3_(+3)F	<u>GAATACGTTGAATGAT</u> TTCCTAATGGGCAGAAGCAAG
23	GsURA5.3F	<u>CCGCATCAGCGACCT</u> TGTCGGAACACTCCGCC
24	GsURA5.3R	TCATTCAACGTATTCTTCAAGTCGTTG
Primers used to check for homologous recombination		
25	D184_773F (F1)	<u>CACCATCACCATCAC</u> GCGTGAGTCAGTTCACTGAC
26	GFP_717(R1)	CTTGTACAGCTCGTCCATGC
27	URA_+3(F2)	GAATACGTTGAATGATTTCCTAATGGGCAGAAGCAAG
28	D184_+1884(R2)	AAGCTCAGCTAATTACAGCTTGCTGACCTTACCC
29	D184_+25(R3)	CGTCACCCTCGGGACTTG
30	D184_+28(F3)	ACGAATGTTTCCTAGAGAAACCGCTCAGCGACCA
Primers used in preparation of a probe in southern blot analysis		
31	URA _{Cm} F	CCTTTTGCGACAGCAATGG
32	URA _{Gs} R	GACCCACTTCATTGGCAATG
Primers used in q-PCR analysis		
33	D184(773)Fa	<u>CACCATCACCATCAC</u> GCGTGAGTCAGTTCACTGAC
34	D184(873)Ra	ATACCCGGGCACAGGAAC
35	D184(2659)Fb	TACAAGGAACAGTTGAGGGT
36	D184(+25)Rb	CGTCACCCTCGGGACTTG
37	GFP(638)Fc	ACGAGAAGCGCGATCACA
38	GFP(717)Rc	CTTGTACAGCTCGTCCATGC

Underlines indicate adaptor sequences for In-Fusion reaction.