

**Supplementary Table 1. Oligonucleotide List**

Oligonucleotide	Sequence	Description
<i>agrD</i> Truncation Oligos		
ARH111	5'-GTTGTTTCTAGATTATTGTGTTAATTCTTT TGGTACTTCAAC-3'	<i>agrD</i> Δ3aa rev
ARH112	5'-GTTGTTTCTAGATTATTCTTTTGGTACTTC AACTTCATCC-3'	<i>agrD</i> Δ6aa rev
ARH113	5'-GTTGTTTCTAGATTATACTTCAACTTCATC CATTATGAAG-3'	<i>agrD</i> Δ9aa rev
ARH114	5'-GTTGTTTCTAGATTATTCATCCATTATGAA GTCACAAGTAC-3'	<i>agrD</i> Δ12aa rev
ARH115	5'-GTTGTTTCTAGATTACATTATGAAGTCACA AGTACTATAAGC-3'	<i>agrD</i> Δ14aa rev
MJT001	5'-GTTGTTTCTAGATTATGTTAATTCTTTTGG TACTTCAACTTC-3'	<i>agrD</i> Δ4aa rev
MJT002	5'-GTTGTTTCTAGATTATAATTCTTTTGGTACT TCAACTTCATCC-3'	<i>agrD</i> Δ5aa rev
Point Mutation Oligos		
ARH153	5'-CTTCTACTTAACTCCAAAAAGAAGAAGG-3'	<i>agrB</i> C84S rev
ARH154	5'-CCTTCTTCTTTTGGAGTTATGTAGAAAG-3'	<i>agrB</i> C84S for
MJT015	5'-GTACCAAAAGAAGCTACACAATTACAC-3'	<i>agrD</i> L41A for
MJT016	5'-GTGTAATTGTGTAGCTTCTTTGGTAC-3'	<i>agrD</i> L41 rev
MJT017	5'-GACTTCATAATGGCTGAAGTTGAAGTA-3'	<i>agrD</i> D33A for
MJT018	5'-TACTTCAACTTCAGCCATTATGAAGTC-3'	<i>agrD</i> D33A rev
MJT019	5'-TTCATAATGGATGCTGTTGAAGTACCA-3'	<i>agrD</i> E34A for
MJT020	5'-TGGTACTTCAACAGCATCCATTATGAA-3'	<i>agrD</i> E34A rev
MJT021	5'-ATAATGGATGAAGCTGAAGTACCAAAA-3'	<i>agrD</i> V35A for
MJT022	5'-TTTGGTACTTCAGCTTCATCCATTAT-3'	<i>agrD</i> V35A rev
MJT023	5'-ATGGATGAAGTTGCTGTACCAAAAAGAA-3'	<i>agrD</i> E36A for
MJT024	5'-TTCTTTTGGTACAGCAACTTCATCCAT-3'	<i>agrD</i> E36A rev
MJT025	5'-GATGAAGTTGAAGCTCCAAAAGAATTA-3'	<i>agrD</i> V37A for
MJT026	5'-TAATTCTTTGGAGCTTCAACTTCATC-3'	<i>agrD</i> V37A rev
MJT027	5'-GAAGTTGAAGTAGCTAAAGAATTAACA-3'	<i>agrD</i> P38A for
MJT028	5'-TGTTAATTCTTTAGCTACTTCAACTTC-3'	<i>agrD</i> P38A rev
MJT029	5'-GTTGAAGTACCAGCTGAATTAACACAA-3'	<i>agrD</i> K39A for
MJT030	5'-TTGTGTTAATTCAGCTGGTACTTCAAC-3'	<i>agrD</i> K39A rev
MJT031	5'-GAAGTACCAAAAAGCTTTAACACAATTA-3'	<i>agrD</i> E40A for
MJT032	5'-TAATTGTGTTAAAGCTTTTGGTACTTC-3'	<i>agrD</i> E40A rev
MJT033	5'-GCTTATAGTACTGCTGACTTCATAATG-3'	<i>agrD</i> C28A for
MJT034	5'-CATTATGAAGTCAGCAGTACTATAAGC-3'	<i>agrD</i> C28A rev