

Supplementary Table 4 List of the genomic elements inserted in tRNA genes.

name ^{a)}	tRNA gene species	length (bp)	position	GC (%)	duplication (bp)	integrase gene_ID
B510GI01	<i>trnG</i> -CCC	12447	51,826 to 64,272	66.8	46	AZL000520
B510GI02	<i>trnK</i> -UUU	13189	1,582,317 to 1,595,505	65.6	48	AZL013810
B510GI03	<i>trnQ</i> -UUG	6718	1,692,559 to 1,699,276	57.4	20	AZL014720
B510GI04	<i>trnV</i> -UAC	19768	2,157,689 to 2,177,456	63.7	44	AZL018910
B510GI05	<i>trnL</i> -CAA	7012	2,873,223 to 2,880,234	65.3	25 ^{c)}	AZL025210
B510GI06	<i>trnT</i> -CGU	36086	2,883,779 to 2,919,864	66.5	46	AZL025570
B510GI07	<i>trnF</i> -GAA	22553	420,021 to 442,573	53.1	46 ^{c)}	AZLd03710
B510GI08	<i>trnfM</i> -CAU ^{b)}	70994	21,677 to 92,670	64.4	21	AZLe00130 ^{d)}

^{a)} Genomic islands numbered 01 to 06 were assigned on the chromosome. d7 and e8 were on the plasmid, pAB510d and pAB510e, respectively. ^{b)} The gene for *trnfM* is just located at the tail of an rRNA gene cluster on the pAB510e. ^{c)} Imperfect match sequence patterns were detected.

^{d)} Site-specific recombinase homolog. It doesn't show similarity to any integrases.