

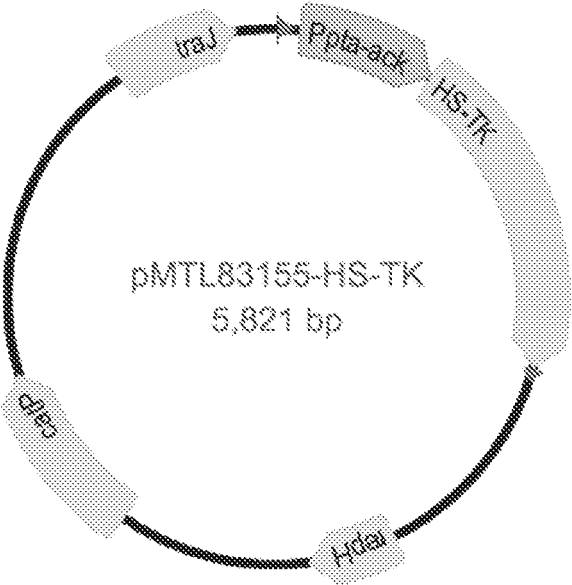


FIG. 1

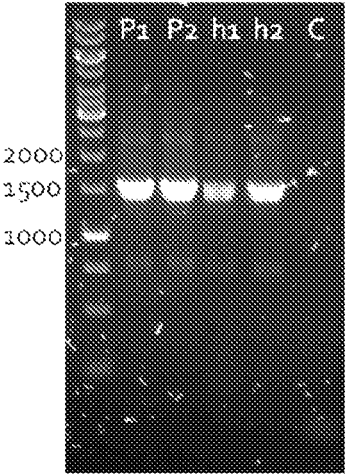


FIG. 2

FIG. 3

MSHLAELVASAKAAISQASDVAALDNVRVEYLGGKGHLTLQMTTLRELPPPEERPAAGAVIN
EAKEQVQQALNARKAELESAALNARLAAETIDVSLPGRRIENGGLHPVTRTIDRIESFFGELGF
TVATGPEIEDDYHNFDALNIPGHHPARADHDTFWFDTRLLRTQTSGVQIRTMKAQQPPRII
APGRVYRNDYDQHTHPMFHQMEGLIVDTNISFTNLKGTLHDFLRNFEEEDLQIRFRPSYFPFT
EPSAEVDVMGKNGKWLEVLGCGMVHPNVLNRNVGIDPEVYS GFAFG
MGMERLTMRLRYGVTDLRSFFENDLRFLKQFK

VKGEFKMKEELKQIKENAFNELKNKKLDIEDIRVKYLGKKGELTKILRGMKDLSKEERPAIG
 KLANEVRSTLENAIEEASKKIKSSAIQAKLQNETIDITMPGIKQTVGKRHPLEQTL EEMKQIFIS
 MGFTIEEGPEVEKDYYNFEALNIPKNHPARGEQDTFYINDNVVLRTQTSPIQVRTMEKQKPPI
 KMISPGKVYRSDSDATHSPIFYQMEGLVVDKGITFANLKGTLLELFAKKLFGNDIRTKFRPHH
 FPFTEPSAEMDASCFVCHGKGCRVCKGEGWIELLGCGMVHPQVLRNCGIDPEVYSGFAFGM
 GVDRMVMLKYGIDDIRNMYESDMRFLNQF-

MG1655_ GIDPEVYSGFAFGMGMERLTMLRYGVTDLRFFENDLRFLKQFK 327
LZ1561_ GIDPEVYSGFAFGMGVDRMVMLKYGIDDIRNMYESDMRFLNQF- 343
*****.n.n. .n.n.

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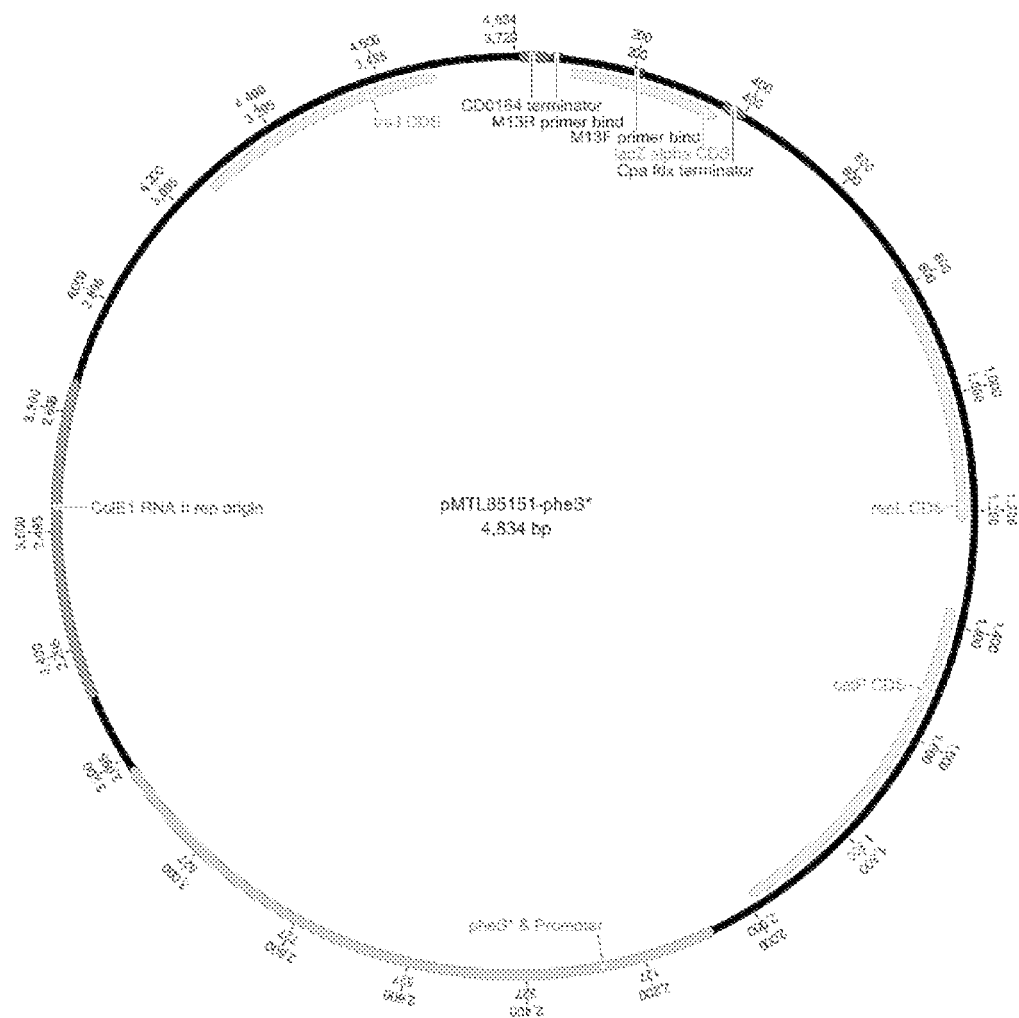


FIG. 4

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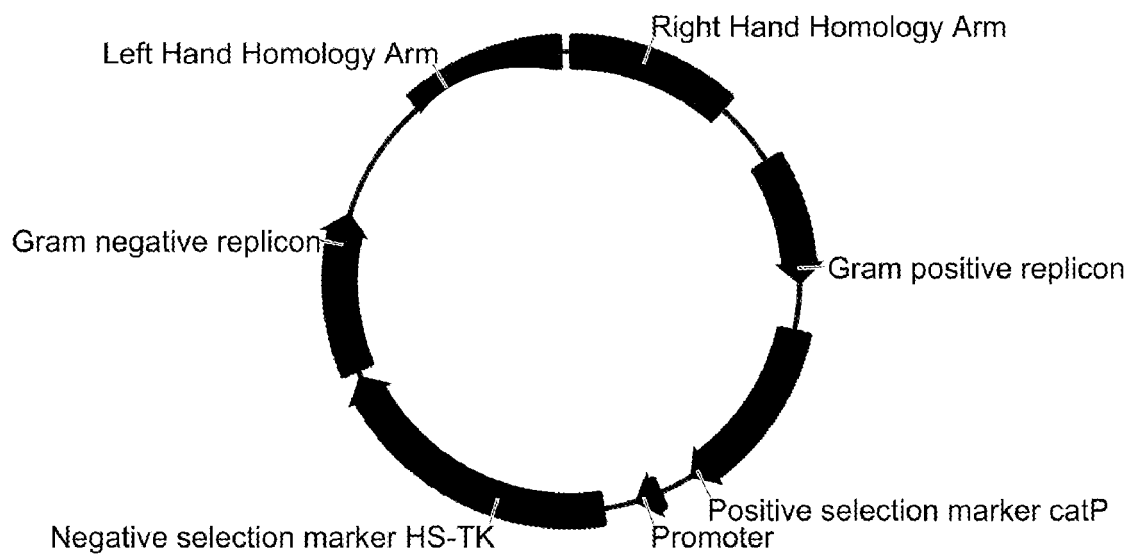


FIG. 5

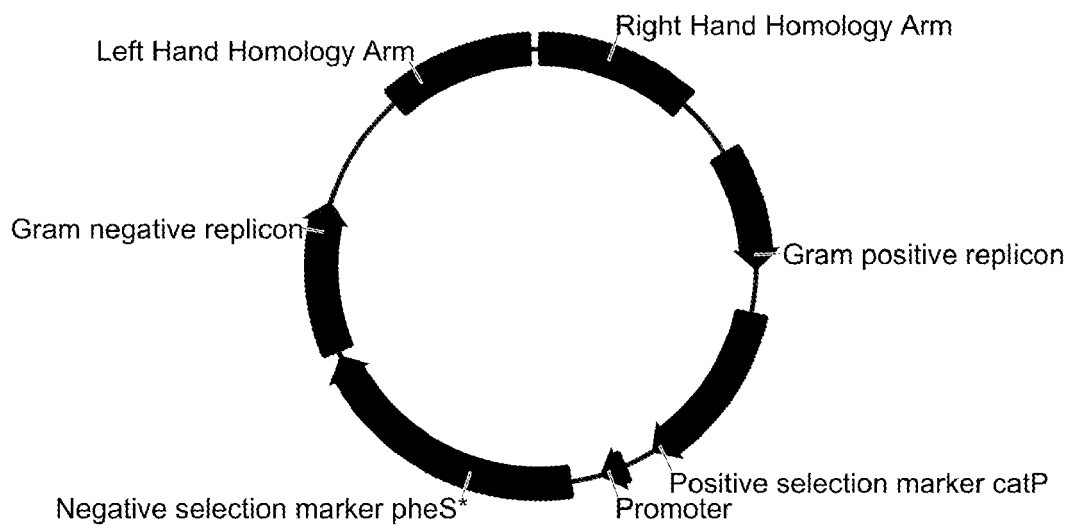


FIG. 6

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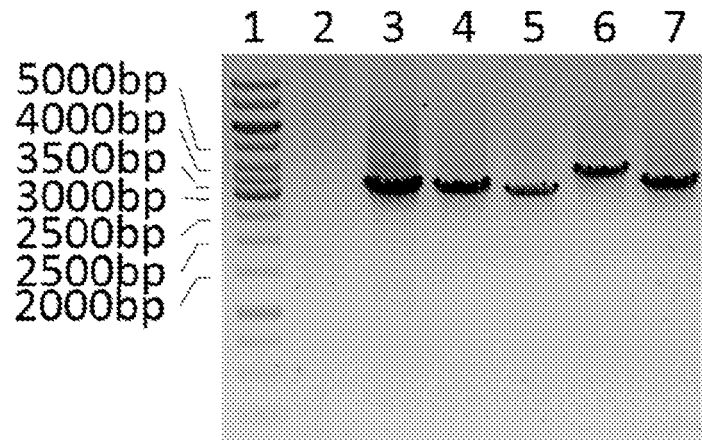


FIG. 7

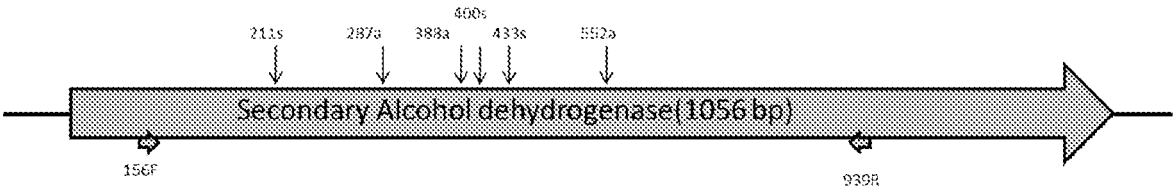


FIG. 8

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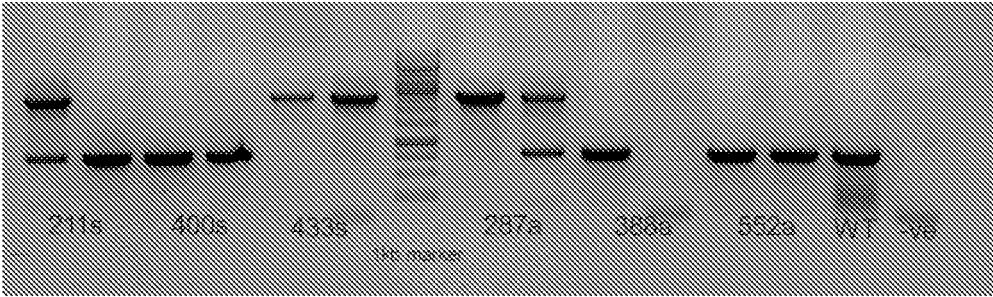


FIG. 9A

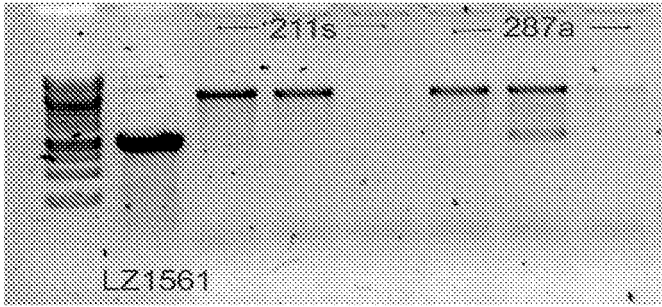


FIG. 9B

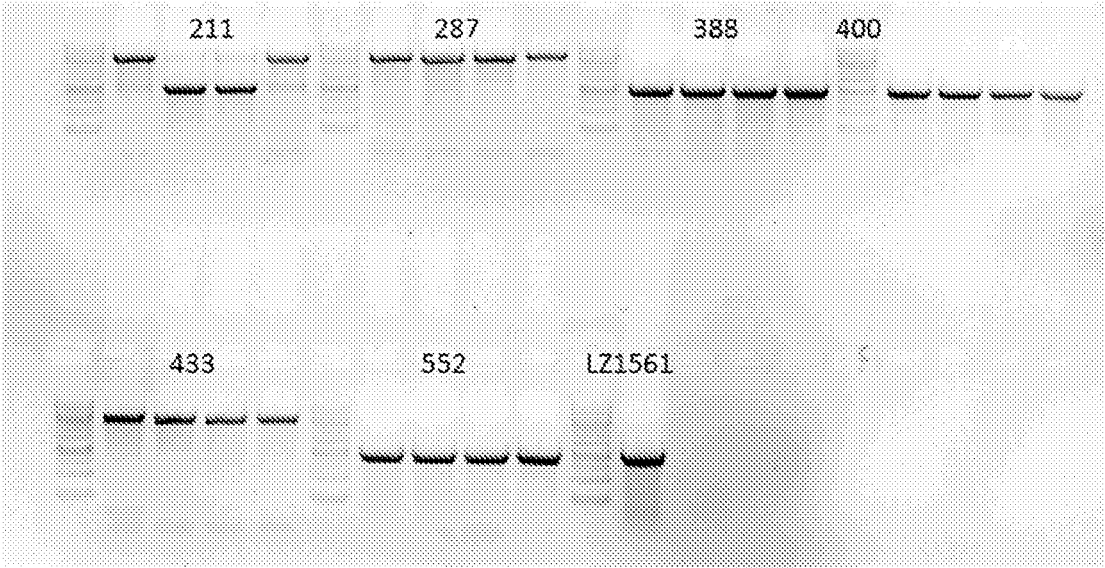


FIG. 9C