

1 Table S1. Primers used in this study^a

pETKm_Rsrl-for	5'-CTTGAT <u>CGGACCGA</u> ACTCACGTTAAGGGATTTTG-3'
pETKm_Apal-rev	5'-CATGTAG <u>GGCC</u> ATTCAAATATGTATCCGCTCA-3'
3481 Spel up-for	5'-GAGTTG <u>ACTAGT</u> GCTCCTGTTCTGCGACACG-3'
3481 up-rev	5'-GGTACCGAACTGGAACACGTGTGC-3'
3481 dn-for	5'-GCGCACGATGAGACTCCATTCG-3'
3481 SacI dn-rev	5'-GCCTAT <u>GAGCT</u> CAAATGCCGCTGACCACCACG-3'
3628 Spel up-for	5'-GCATGA <u>ACTAGT</u> CTGACTCCACCTACATCCAGCACC-3'
3628 up-rev	5'-GTTACGCATGGGTGATAGTCCGCAG-3'
3628 dn-for	5'-AGCGAAGAACTGACCAGCACGG-3'
3628 SacI dn-rev	5'-CCTGAT <u>GAGCT</u> CCGACCTGCCTTACAAGCGTGG-3'
3628 HindIII-F	5'-GTACTA <u>AGCTT</u> CCCTGCGGACTATCACCCATGCG-3'
3628 BamHI-R	5'-GTACT <u>CGGATC</u> CTCAGCGGTTGAAGCGCTCCACC-3'
Paa_Prom_For	5'-ATGCGGTACCGTCGATAGCAAGGCATGGCAACACTCC-3'
Paa_Prom_Rev	5'-AGTCGAATTCTAATCACTGTGGCCCGGACATGCTCGTC-3'
pEX_paaF_del_for	5'-CGACGGCCAGTGCCA <u>AAGCTT</u> GTGGTTCGAGCATGACGAGCAC-3'
paaF_del_for	5'-CAAGAACAATTCGAGTGAAGCCACGCGCTGATGCAGGCGCAGC-3'
paaF_del_rev	5'-GCTGCGCCTGCATCAGCGCGTGGCTTCACTCGAATTGTTCTTG-3'
pEX_paaF_del_rev	5'-GCTATGACCATGATTAC <u>GAATTC</u> CTTCTTGCAGATACGG-3'
paaF_For_HindIII	5'-AGCTA <u>AGCTT</u> CCATGACACTCACCGCGTGGCCTG-3'
paaF_Rev_BamHI	5'-AGCT <u>GGATCC</u> GCCGATTGGGTTCAGCTGGCCAACC-3'
pEX_paal_del_for	5'-CGACGGCCAGTGCCA <u>AAGCTT</u> GCACAGCGGCAAGGCCAAGTAC-3'
paal_del_for	5'-CGGACACATGTGAGGTGGGCCACTGATTGCCGGCGACCGCGG-3'
paal_del_rev	5'-CCGCGGTGCGCCGGCAATCAGTGGCCACCTCACATGTGTCCG-3'
pEX_paal_del_rev	5'-GCTATGACCATGATTAC <u>GAATTC</u> GAACTGGAGCGGTTGCCGTAC-3'
paal_For_HindIII	5'-AGCTA <u>AGCTT</u> CCATGCCAGCTTCTACGAGCTGCC-3'
paal_Rev_BamHI	5'-AGCT <u>GGATCC</u> GCGGTCGCCGGCAATCAGTTCACC-3'

2 ^a Restriction sites are underlined.