

Supplementary Table S2 Primers for Ginsenoside Synthetic Vector Construction

Primer Name	Sequence (5'-3')
ppds-MbsaI-F	GATGTTCCCAAGATCTCACGGTG
ppds-MbsaI-R	CACCGTGAGATCTTGGGAACATC
Ttrpc-Mbsai-F	GTCGTCAAGAAGACCTACGAG
Ttrpc-Mbsai-R	CTCGTAGGTCTTCTTGACGAC
BsaI-MsdhB-F	CTATCCACAGGAAAGAGAACCTTTTCGACC
BsaI-MsdhB-R	GGCTAC GGTCTCAAGCGCGATTGATTTAGCGGCCGCG
BsaI-Kana-F	GGCTAC GGTCTCA CGCT CCTTAGGTTTCTCCATAATAATGTGTG
BsaI-Kana-R	GGCTAC GGTCTCACCTCTGTGGATAGCACGTACATTGG
BsaI-pVS1-F	GGCTAC GGTCTCAGAGG GGAAAGAAGACCTTTTCGACC
BsaI-pVS1-R	GGTCGAAAAGGTTCTCTTTCTGTGGATAG
DS-F	ATGTGGAAATTGAAGGTTGCTCAG
DS-R	TTAAATTTTCAACTGTTGGTGCTTAGG
PPDS-F	ATGGCTGCAGCTATGGTTTTG
PPDS-R	TCAGTTATGTGGATGCAAGTGAATTG
ATR1-F	ATGTGGAAGAAAACCTACAGCTGAC
ATR1-R	TTACCAAACATCCCTCAAATATCTACC
UGTPg1-F	ATGATGAAATCTGAGTTGATCTTTTTACC
UGTPg1-R	TCACATTATTTCTTCGAATAATTTAGCC
DS HA-F	TCTTCATCCCCCTCTCAACATGTGGAAATTGAAGGTTGCTCAG
DS HA-R	GTAACGTTAAGTGGATCCTTAAATTTTCAACTGTTGGTGCTTAGG
PPDS HA-F	TCTTCATCCCCCTCTCAACATGGCTGCAGCTATGGTTTTG
PPDS HA-R	GTAACGTTAAGTGGATCCTCAGTTATGTGGATGCAAGTGAATTG
ATR1 HA-F	CCAATCAACCATTGCGATGTGGAAGAAAACCTACAGCTGAC
ATR1 HA-R	CACAAGTTTGCAATTCTTACCAAACATCCCTCAAATATCTACC
UGTPg1 HA-F	CTCCTTCGTCGACCACTATGATGAAATCTGAGTTGATCTTTTTACC
UGTPg1 HA-R	CTCTCTGACCCGCTCATTACATTATTTCTTCGAATAATTTAGCC
LaeA HA-F	CCAATCAACCATTGCGATGTCTCGTGTGACCCC
LaeA HA-R	CACAAGTTTGCAATTCTTATGCTTTTCGGCGAGC