

E47prom (At2g37950)

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|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | TTC | GAT | CCT | CCG | AGT | TGT | CCA | CCA | CGC | TTA | TAT | GCA | TTT | TGA | GAG |
| | AAG | CTA | GGA | GGC | TCA | ACA | GGT | GGT | GCG | AAT | ATA | CGT | AAA | ACT | CTC |
| 46 | CTA | ATC | AAC | AAT | AAC | TTA | GAC | CTT | TTG | CTT | AGC | TCT | TAA | CTA | GTT |
| | GAT | TAG | TTG | TTA | TTG | AAT | CTG | GAA | AAC | GAA | TCG | AGA | ATT | GAT | CAA |
| 91 | TAT | AAA | TGT | AAG | TTA | AAT | ACA | TTA | TTA | ATT | ATT | TCC | TCT | TAG | TAT |
| | ATA | TTT | ACA | TTC | AAT | TTA | TGT | AAT | AAT | TAA | TAA | AGG | AGA | ATC | ATA |
| 136 | AGT | AGT | TCT | GTA | GCT | CAA | TTC | TCT | ACT | TGA | CTA | TTG | ATA | AAA | GTA |
| | TCA | TCA | AGA | CAT | CGA | GTT | AAG | AGA | TGA | ACT | GAT | AAC | TAT | TTT | CAT |
| 181 | GAA | TTA | ACT | TGT | AAT | TTA | CAG | TTC | ATG | TCT | CTC | TAT | TTG | ATC | TAC |
| | CTT | AAT | TGA | ACA | TTA | AAT | GTC | AAG | TAC | AGA | GAG | ATA | AAC | TAG | ATG |
| 226 | CAC | CAA | AAC | TTA | TCT | GAA | TCA | AAC | CAA | GTA | CGT | ACT | TGT | CCA | GCT |
| | GTG | GTT | TTG | AAT | AGA | CTT | AGT | TTG | GTT | CAT | GCA | TGA | ACA | GGT | CGA |
| 271 | TCT | CCA | CTT | TTT | ATT | CTG | TCC | ACC | TAA | TTT | GGG | CCA | CCA | GCC | AAA |
| | AGA | GGT | GAA | AAA | TAA | GAC | AGG | TGG | ATT | AAA | CCC | GGT | GGT | CGG | TTT |
| 316 | TGT | TTC | TGT | TGA | ACA | AAA | CAT | ATC | ATT | CAA | ATA | CTT | CCA | GTT | TCT |
| | ACA | AAG | ACA | ACT | TGT | TTT | GTA | TAG | TAA | GTT | TAT | GAA | GGT | CAA | AGA |
| 361 | GGT | CTT | GTG | TAA | ACA | ACT | TTT | CCA | GTT | TTG | AAC | ATG | AAA | CTG | TTG |
| | CCA | GAA | CAC | ATT | TGT | TGA | AAA | GGT | CAA | AAC | TTG | TAC | TTT | GAC | AAC |
| 406 | AGA | CAG | AGC | AAC | TAC | TTG | TCT | TGT | CCT | TTT | CGA | TGT | TTA | TTA | AGA |
| | TCT | GTC | TCG | TTG | ATG | AAC | AGA | ACA | GGA | AAA | GCT | ACA | AAT | AAT | TCT |
| 451 | AAC | AAA | ACA | TAA | CGA | GTC | AAA | AAG | ATA | AGA | AAG | AAA | TTG | GGC | AGA |
| | TTG | TTT | TGT | ATT | GCT | CAG | TTT | TTC | TAT | TCT | TTC | TTT | AAC | CCG | TCT |
| 496 | AAA | TAT | GAG | CAA | CAC | TCG | TAC | GAG | GTG | ATT | TTA | ACT | TAA | CCT | CAT |
| | TTT | ATA | CTC | GTT | GTG | AGC | ATG | CTC | CAC | TAA | AAT | TGA | ATT | GGA | GTA |
| 541 | GTG | TCC | TAG | TTA | TGA | AAT | GTA | TGT | AAG | AAT | TTT | TCA | CAT | TTT | GGA |
| | CAC | AGG | ATC | AAT | ACT | TTA | CAT | ACA | TTC | TTA | AAA | AGT | GTA | AAA | CCT |
| 586 | ATT | TTA | GAT | TTA | ATA | ATT | GTT | TTA | ATT | AAT | ATT | TTA | ACC | TCT | TAT |
| | TAA | AAT | CTA | AAT | TAT | TAA | CAA | AAT | TAA | TTA | TAA | AAT | TGG | AGA | ATA |
| 631 | ACT | TGA | AAA | ATG | ATT | TGC | AAT | GAG | TCT | AAT | CAC | ATC | AAG | TAT | AAC |
| | TGA | ACT | TTT | TAC | TAA | ACG | TTA | CTC | AGA | TTA | GTG | TAG | TTC | ATA | TTG |
| 676 | AAT | GAA | AAC | TTC | TTA | TTT | TTT | CTT | TAG | ATT | GTG | GGT | TGA | AAA | TTC |
| | TTA | CTT | TTG | AAG | AAT | AAA | AAA | GAA | ATC | TAA | CAC | CCA | ACT | TTT | AAG |
| 721 | ACT | CAA | GAA | AAA | ATT | ATT | TGA | GTT | CTA | TAA | AGA | ATG | ATG | AAC | TTA |
| | TGA | GTT | CTT | TTT | TAA | TAA | ACT | CAA | GAT | ATT | TCT | TAC | TAC | TTG | AAT |
| 766 | ATT | TTA | TTT | TAT | TTT | GAT | GAA | CTT | ATT | CTT | AGT | GAA | AGG | TAT | TCA |
| | TAA | AAT | AAA | ATA | AAA | CTA | CTT | GAA | TAA | GAA | TCA | CTT | TCC | ATA | AGT |
| 811 | ATA | TTT | TTG | TGT | GTG | TGT | TAA | AAG | GTA | TCC | AGT | CAT | ACT | AGT | AAA |
| | TAT | AAA | AAC | ACA | CAC | ACA | ATT | TTC | CAT | AGG | TCA | GTA | TGA | TCA | TTT |
| 856 | ATA | TTG | AAT | ACG | AAC | AAC | AAA | TCA | TCA | GAG | CTT | CAT | CTC | ATG | AAT |
| | TAT | AAC | TTA | TGC | TTG | TTG | TTT | AGT | AGT | CTC | GAA | GTA | GAG | TAC | TTA |
| 901 | TTG | AGT | TAG | TAC | ACA | CTT | TAT | CTC | CTC | CCT | TGG | GAA | GAT | AAT | GAA |
| | AAC | TCA | ATC | ATG | TGT | GAA | ATA | GAG | GAG | GGA | ACC | CTT | CTA | TTA | CTT |
| 946 | TTT | TAT | ACT | TTT | AAA | AAA | ATA | TCT | GTC | ATT | TGG | ATA | GAA | GAA | AAT |
| | AAA | ATA | TGA | AAA | TTT | TTT | TAT | AGA | CAG | TAA | ACC | TAT | CTT | CTT | TTA |
| 991 | TCC | AAA | TAT | AAG | ATT | CAA | ATG | AAA | CAA | AAA | ATA | GGT | ATG | TCT | TGT |
| | AGG | TTT | ATA | TTC | TAA | GTT | TAC | TTT | GTT | TTT | TAT | CCA | TAC | AGA | ACA |
| 1036 | CAT | TAG | AAC | CAG | ACC | CAC | CAA | CTT | GAT | AAA | TTG | TTG | TGT | TTT | TTA |
| | GTA | ATC | TTG | GTC | TGG | GTG | GTT | GAA | CTA | TTT | AAC | AAC | ACA | AAA | AAT |
| 1081 | TTT | TCC | ATC | AAA | ATT | CGT | TTT | ACC | CTT | TTT | GTT | TCT | TTC | TTT | CAA |
| | AAA | AGG | TAG | TTT | TAA | GCA | AAA | TGG | GAA | AAA | CAA | AGA | AAG | AAA | GTT |

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| 1126 | CAT | TTT | GAC | GTG | GAA | AAT | GAG | ATT | CCT | ATT | TCT | TTT | TAG | TTT | TAA | GTA | AAA | CTG | CAC | CTT | TTA | CTC | TAA | GGA | TAA | AGA | AAA | ATC | AAA | ATT |
| 1171 | TTT | GTA | TGG | CTT | TAA | GAA | TAA | ATA | GAT | ATT | CCT | TGC | TTG | TTT | GAA | AAA | CAT | ACC | GAA | ATT | CTT | ATT | TAT | CTA | TAA | GGA | ACG | AAC | AAA | CTT |
| 1216 | ATA | TCT | TTC | TTC | GCC | ATA | AAA | ATA | AAA | TTT | AAT | CTA | CGT | TTT | AGA | TAT | AGA | AAG | AAG | CGG | TAT | TTT | TAT | TTT | AAA | TTA | GAT | GCA | AAA | TCT |
| 1261 | TCT | GTT | TTC | TTG | GAT | TGC | TAA | CAT | TAA | ATA | ATA | CAG | CTT | TTT | TGT | AGA | CAA | AAG | AAC | CTA | ACG | ATT | GTA | ATT | TAT | TAT | GTC | GAA | AAA | ACA |
| 1306 | TTG | TGA | ATT | GAT | AGA | ATA | TTA | CAC | CAT | TAA | ATT | CAT | TAA | AGA | TTT | AAC | ACT | TAA | CTA | TCT | TAT | AAT | GTG | GTA | ATT | TAA | GTA | ATT | TCT | AAA |
| 1351 | TAG | TGG | TAT | GAC | ATT | CAT | AAG | GTT | GTG | ATA | AAT | CCA | CTT | GTG | GAT | ATC | ACC | ATA | CTG | TAA | GTA | TTC | CAA | CAC | TAT | TTA | GGT | GAA | CAC | CTA |
| 1396 | GAA | GTG | TTT | ATT | GAG | GAT | GAG | ATT | TAG | GAC | CCA | AAA | AAT | TCA | AGA | CTT | CAC | AAA | TAA | CTC | CTA | CTC | TAA | ATC | CTG | GGT | TTT | TTA | AGT | TCT |
| 1441 | GAA | TCT | GAG | AGT | GAT | AGA | AAA | AAT | TGG | ATA | TAT | ATG | CAC | ATG | ATG | CTT | AGA | CTC | TCA | CTA | TCT | TTT | TTA | ACC | TAT | ATA | TAC | GTG | TAC | TAC |
| 1486 | TTA | TAG | ACC | TTA | TGG | TGT | AAA | CAC | ATA | ATA | GCC | ATA | TCT | TGT | TTC | AAT | ATC | TGG | AAT | ACC | ACA | TTT | GTG | TAT | TAT | CGG | TAT | AGA | ACA | AAG |
| 1531 | TCA | AAA | TTG | TGT | TTG | GCG | TAA | AAT | AGA | TCG | ACA | TTA | AGT | TGC | AGA | AGT | TTT | AAC | ACA | AAC | CGC | ATT | TTA | TCT | AGC | TGT | AAT | TCA | ACG | TCT |
| 1576 | CTA | GCG | ATA | ATG | AAA | ATT | ACG | AAA | TTA | TGA | CTA | TAC | GAT | CAA | TTT | GAT | CGC | TAT | TAC | TTT | TAA | TGC | TTT | AAT | ACT | GAT | ATG | CTA | GTT | AAA |
| 1621 | TTT | TGT | TTG | TTT | GAA | AAA | CAC | GTT | AAT | TAT | CGG | TAA | AGG | ATT | CTA | AAA | ACA | AAC | AAA | CTT | TTT | GTG | CAA | TTA | ATA | GCC | ATT | TCC | TAA | GAT |
| 1666 | GTT | GCA | AGA | AAA | TAT | GGG | TGG | TGA | AGA | CTG | AAG | TGA | AAA | GGA | TAA | CAA | CGT | TCT | TTT | ATA | CCC | ACC | ACT | TCT | GAC | TTC | ACT | TTT | CCT | ATT |
| 1711 | TCA | TTT | GAG | TAA | ACA | TTT | TAA | AGT | CTT | GAC | AAA | AAA | AAA | AAA | GTA | AGT | AAA | CTC | ATT | TGT | AAA | ATT | TCA | GAA | CTG | TTT | TTT | TTT | TTT | CAT |
| 1756 | AAT | ATT | TCA | AAG | ATT | ACT | TAA | GTA | ATA | ATT | ATT | TTA | TGG | TAT | TTC | TTA | TAA | AGT | TTC | TAA | TGA | ATT | CAT | TAT | TAA | TAA | AAT | ACC | ATA | AAG |
| 1801 | AAC | CAG | AAA | CGA | AGT | TAT | GGT | AAA | TCA | CGA | TAA | GTG | AAG | TTA | GGA | TTG | GTC | TTT | GCT | TCA | ATA | CCA | TTT | AGT | GCT | ATT | CAC | TTC | AAT | CCT |
| 1846 | GTG | GAC | ATT | CGG | GTA | TCC | GTT | CGG | GTA | TCG | AGT | CTT | TTT | TTT | GGG | CAC | CTG | TAA | GCC | CAT | AGG | CAA | GCC | CAT | AGC | TCA | GAA | AAA | AAA | CCC |
| 1891 | TAT | CGG | GTC | TAT | TCG | GGT | AGG | AGG | TTG | AGA | ACC | ATT | CAG | GTA | TTC | ATA | GCC | CAG | ATA | AGC | CCA | TCC | TCC | AAC | TCT | TGG | TAA | GTC | CAT | AAG |
| 1936 | TAA | AAA | TTC | GAT | TCG | GTT | TTG | GTT | CGG | GTT | CGG | GTC | GGT | TCG | GTT | ATT | TTT | AAG | CTA | AGC | CAA | AAC | CAA | GCC | CAA | GCC | CAG | CCA | AGC | CAA |
| 1981 | ATT | TTA | GTA | AAA | ATG | TAA | AAA | TAA | CCA | AAA | ATT | ACC | CAA | TAT | ATT | TAA | AAT | CAT | TTT | TAC | ATT | TTT | ATT | GGT | TTT | TAA | TGG | GTT | ATA | TAA |
| 2026 | TTT | GGG | TTC | GGG | TTG | AAT | TCG | GTT | TTT | TTA | CTC | ATA | TAT | ACT | CAA | AAA | CCC | AAG | CCC | AAC | TTA | AGC | CAA | AAA | AAT | GAG | TAT | ATA | TGA | GTT |
| 2071 | ATC | TAC | CCG | AAA | TAT | CCG | ATT | ACC | CGT | AGA | TAT | ATT | TGT | TAC | TTT | TAG | ATG | GGC | TTT | ATA | GGC | TAA | TGG | GCA | TCT | ATA | TAA | ACA | ATG | AAA |
| 2116 | TTA | TAT | AAA | TAC | AAC | CAA | ATG | TAA | CCA | AAA | TAC | TTA | AAT | TAC | CTA | AAT | ATA | TTT | ATG | TTG | GTT | TAC | ATT | GGT | TTT | ATG | AAT | TTA | ATG | GAT |
| 2161 | AAA | GAA | AAC | TAT | ACC | ATT | TGT | TAC | TTT | TAT | CCC | AAA | TAT | ATC | CAA | TTT | CTT | TTG | ATA | TGG | TAA | ACA | ATG | AAA | ATA | GGG | TTT | ATA | TAG | GTT |
| 2206 | ATG | TAT | ATG | AAT | TAC | TAA | AAA | AAT | CTA | TTT | TAA | TCG | GAT | TTA | TAA | TAC | ATA | TAC | TTA | ATG | ATT | TTT | TTA | GAT | AAA | ATT | AGC | CTA | AAT | ATT |

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| 2251 | TTT TAA TTT TGG GTG TTT GAG ATA TTA CAA ATA TAT ATA TAA CTA AAA ATT AAA ACC CAC AAA CTC TAT AAT GTT TAT ATA TAT ATT GAT |
| 2296 | ATA TAT TTA TGT TAC ATT TGT ATT CGG ATA CTC ACG GGT ATT AGA TAT ATA AAT ACA ATG TAA ACA TAA GCC TAT GAG TGC CCA TAA TCT |
| 2341 | TTC GGT TCG GGT TCG GTT CGG GTT TTT TCG GGT AGT GAG GTC GAG AAG CCA AGC CCA AGC CAA GCC CAA AAA AGC CCA TCA CTC CAG CTC |
| 2386 | GAC CCA TTC GGG TAA TTC TAA AAA TCG GAT TCG GGT TTG GTT TGG CTG GGT AAG CCC ATT AAG ATT TTT AGC CTA AGC CCA AAC CAA ACC |
| 2431 | TTA TTT TTT GGG TTT TTC GGT TCG GAT ATT CGG TTC CGG ATA TTA AAT AAA AAA CCC AAA AAG CCA AGC CTA TAA GCC AAG GCC TAT AAT |
| 2476 | TGC CTA TGC CTA GGT GAA GTT ATT CAA TTC AAG ATA AAG ATA TAA ACG GAT ACG GAT CCA CTT CAA TAA GTT AAG TTC TAT TTC TAT ATT |
| 2521 | TTT TCT TTT CTA CAG AAT TAT AAA ATC AAT TTT CAA CAA AGC CTT AAA AGA AAA GAT GTC TTA ATA TTT TAG TTA AAA GTT GTT TCG GAA |
| 2566 | CCA CAG TTT GAT TAC CGG TGT TTT ATA TAC ATA CAA AGA ATT TCC GGT GTC AAA CTA ATG GCC ACA AAA TAT ATG TAT GTT TCT TAA AGG |
| 2611 | TAT TAC ATA ACT TTT ATT GGA CAA CCA ATT CCT ACA AAG AGA TGA ATA ATG TAT TGA AAA TAA CCT GTT GGT TAA GGA TGT TTC TCT ACT |
| 2656 | CTC AAA ACA GGA GAG TAC GTA CCA TTT TAA ACC GTA GAT TTT GCC GAG TTT TGT CCT CTC ATG CAT GGT AAA ATT TGG CAT CTA AAA CGG |
| 2701 | TTT GTA CCA TCC AAA AAT CAA AGA TAA GAA AAC AAA ACC GGC TGT AAA CAT GGT AGG TTT TTA GTT TCT ATT CTT TTG TTT TGG CCG ACA |
| 2746 | GAT TAA AAT TGG TCG GAG GCG GGA ATG AGT CAA AGT TTA TCC AAA CTA ATT TTA ACC AGC CTC CGC CCT TAC TCA GTT TCA AAT AGG TTT |
| 2791 | ACA AGA AAA TAT ACA TTG TAA GGA CAT AAA TAC CCC TGT ATG ATT TGT TCT TTT ATA TGT AAC ATT CCT GTA TTT ATG GGG ACA TAC TAA |
| 2836 | CCA GTT TTA GTA AGA ATC GAG GAC TCA ATC GGG TTT TCC GTT GTA GGT CAA AAT CAT TCT TAG CTC CTG AGT TAG CCC AAA AGG CAA CAT |
| 2881 | CCA TCG AAT AAA AAT TCT TTA AAT TTT TGA TAT AAA ATT CGG TAC GGT AGC TTA TTT TTA AGA AAT TTA AAA ACT ATA TTT TAA GCC ATG |
| 2926 | AAG CTG AGA TAA ATA AAA CTC GTT CTC TCT CTT TTT TTC TTT CTT TTC GAC TCT ATT TAT TTT GAG CAA GAG AGA GAA AAA AAG AAA GAA |
| 2971 | TCT CTG TTT AAT GTG TAA TCT CTA AGA ATA CTT TTC ATT ATT AAT AGA GAC AAA TTA CAC ATT AGA GAT TCT TAT GAA AAG TAA TAA TTA |
| 3016 | TAT AAA TTT ATT CTT CAT CTT GTA GAA CAA TAT CTT CTT CCT TAA ATA TTT AAA TAA GAA GTA GAA CAT CTT GTT ATA GAA GAA GGA ATT |
| 3061 | TAA TAA TTT TTT TTT TTC ACT TTC ACT CTG TTT TTA GCT TAT TAA ATT ATT AAA AAA AAA AAG TGA AAG TGA GAC AAA AAT CGA ATA ATT |
| 3106 | TTC CTG CTC CAT CAC TAC TCA CTC ACT CCT CCT ACA ATT TCG TTA AAG GAC GAG GTA GTG ATG AGT GAG TGA GGA GGA TGT TAA AGC AAT |
| 3151 | CTC AAT TTT TAT TAT ATT TTT TGT AAA GAA CAC CAA ATC CAC CAA GAG TTA AAA ATA ATA TAA AAA ACA TTT CTT GTG GTT TAG GTG GTT |
| 3196 | AAC CTT ACT TCC TTA AAT CCC TTC AAT TCT ATT CTC ATT TCC ATA TTG GAA TGA AGG AAT TTA GGG AAG TTA AGA TAA GAG TAA AGG TAT |
| 3241 | TTT ATT TAT ATA CTT TGG CAT TGT AAA CAA AAA GAA ACA TTC ATT AAA TAA ATA TAT GAA ACC GTA ACA TTT GTT TTT CTT TGT AAG TAA |
| 3286 | AGG CAA AAA TA TCC GTT TTT AT |