

Supplementary Table S1 Primers used in this study

| Primers for qRT-PCR analysis | 5' to 3' |
|-------------------------------------|------------------------------------|
| Tubulin_F | GAGGGTGAGTGAGCAGTTC |
| Tubulin_R | CTTCATCGTCATCTGCTGTC |
| CanPAL2q_F | ATTGACAGTTGCACAAGTTG |
| CanPAL2q_R | AGTAGCACCAAAACCAGTAG |
| CanCCR3q_F | TGGATATGTGGCGTCATCCC |
| CanCCR3q_R | AGTCGGGATCCAGCAAGTCT |
| CanPER5q_F | CGTTTGTCACTATCCCTGC |
| CanPER5q_R | CCATCTCCTGCCAATGATAGAT |
| CanCCoA-OMT2q_F | AGGCACCAAGAAGTTGGACA |
| CanCCoA-OMT2q_R | ATTGTCCTTCATCGGCGGAG |
| CanCOMTq_F | ACCATGGTACGGATCCAAGA |
| CanCOMTq_R | CACAGTAGCCCCAGTTCCAC |
| CanXYLP1q-F | ATCACCAACCATGTTCGGCAG |
| CanXYLP1q-R | AGTCAGAACCAATTGCCCGA |
| CanXYLP2q-F | TCCACTGGCAAGTGAGCAAA |
| CanXYLP2q-R | ACATTATGGCCACGCCAAGA |
| CanXYLP3q-F | TATTATTGCAATACAAGTTA |
| CanXYLP3q-R | TGAACATTACAAGCTTTTGG |
| CanXYLP4q-F | TAAATGTGGCCATTTTTTTT |
| CanXYLP4q-R | TTGCATGCACTAGGTAATCC |
| CanXYLP5q-F | TAGTTATGGTACTAAGTGTA |
| CanXYLP5q-R | TAGGTAATCCTAGAGCAAGA |
| CanXYLP6q-F | TGTCGGCAGCCACCACTCA |
| CanXYLP6q-R | TACAAGCAGAAACATCACCA |
| CanXYLP7q-F | TATCAGTTCAGATTGGTGCT |
| CanXYLP7q-R | TAACATTGAGTTGAAGTCCC |
| CanXYLP8q-F | TGTGTATTTGCAAGTTCAGC |
| CanXYLP8q-R | TGACAAACAGATGGCAAGGT |
| CanXYLP9q-F | TCAACTTTCCTTTTTTCTCCT |
| CanXYLP9q-R | TAAGGCCAAGGCTAGGATCA |
| CanXYLP10q-F | TTTTTATGGGTTTATCTCAT |
| CanXYLP10q-R | TCAGATCAGCATTACCAAAC |
| Primers for gene cloning | 5' to 3' |
| CanXYLP1-F | gaggagaagagcccTCATTACAATATGCACTTTA |
| CanXYLP1-R | cgacgacaagacccTAACATTAAGAACAACACCT |
| CanXYLP2-F | gaggagaagagcccTACAATTCACACTACATTTT |
| CanXYLP2-R | cgacgacaagacccTTTGGCAGTAGCAAATAGGA |
| CanXYLP3-F | gaggagaagagcccTATTATTGCAATACAAGTTA |
| CanXYLP3-R | cgacgacaagacccTGAACATTACAAGCTTTTGG |
| CanXYLP4-F | gaggagaagagcccTAAATGTGGCCATTTTTTTT |
| CanXYLP4-R | cgacgacaagacccTTGCATGCACTAGGTAATCC |

| Primers for gene cloning | 5' to 3' |
|---------------------------------|------------------------------------|
| CanXYLP5-F | gaggagaagagcccTAGTTATGGTACTAAGTGTA |
| CanXYLP5-R | cgacgacaagaccctAGGTAATCCTAGAGCAAGA |
| CanXYLP6-F | gaggagaagagcccTGTCGGCAGCCACCACTTCA |
| CanXYLP6-R | cgacgacaagaccctACAAGCAGAAACATCACCA |
| CanXYLP7-F | gaggagaagagcccTATCAGTTCAGATTGGTGCT |
| CanXYLP7-R | cgacgacaagaccctAACATTGAGTTGAAGTCCC |
| CanXYLP8-F | gaggagaagagcccTGTGTATTTGCAAGTTCAGC |
| CanXYLP8-R | cgacgacaagaccctGACAAACAGATGGCAAGGT |
| CanXYLP9-F | gaggagaagagcccTCAACTTTCTTTTTTCTCCT |
| CanXYLP9-R | cgacgacaagaccctAAGGCCAAGGCTAGGATCA |
| CanXYLP10-F | gaggagaagagcccTTTTTATGGGTTTATCTCAT |
| CanXYLP10-R | cgacgacaagaccctCAGATCAGCATTACCAAAC |
