

Table S2 Primers used in this study

Primer	Purpose	Sequence (5'-3')
UQ1070	Cn <i>PUT1</i> qRT-PCR F	AAAAGCTAAAGAGAACGACGTTGC
UQ1071	Cn <i>PUT1</i> qRT-PCR R	TCTCACTCTTTGACTTTGGAGGTTT
UQ1072	Cn <i>PUT5</i> qRT-PCR F	AGAAGGCTAAGGAGAACAACATCATT
UQ1073	Cn <i>PUT5</i> qRT-PCR R	GTCCAGATCTCCTCCTTGGAAAG
UQ1074	Cn <i>PUT2</i> qRT-PCR F	TCATTAACGGTGAGGAGGTCAAG
UQ1075	Cn <i>PUT2</i> qRT-PCR R	GCAAGAGCACCGTCAATGG
UQ1300	Cn <i>PUT1</i> deletion 5' F / genomic DNA generation F	CTGCCATGTACAATCCATAAT
UQ1301	Cn <i>PUT1</i> deletion 5' R	CTCTCCAGCTCACATCCTCGCAGCGGATTTTCGTTA
UQ1302	Cn <i>PUT1</i> deletion 3' F	TGTTAATACAGATAAACCCTTGGTTCAAGATACTTT
UQ1303	Cn <i>PUT1</i> deletion 3' R / genomic DNA generation R	TCTCTACATTACGCAACATGG
UQ1304	Cn <i>PUT1</i> deletion <i>NEO</i> F	TAACGAAATCGCGCTGCGAGGATGTGAGCTGGAGAG
UQ1305	Cn <i>PUT1</i> deletion <i>NEO</i> R	AAAGTATCTTGAACCAACGGTTTATCTGTATTAACA
UQ1306	Cn <i>PUT5</i> deletion 5' F / genomic DNA generation F	GCACGCCTTCCGAAGTGAAAG
UQ1307	Cn <i>PUT5</i> deletion 5' R	AGCTCACATCCTCGCAGCCGTTGTGGATCGTTGGTT
UQ1308	Cn <i>PUT5</i> deletion 3' F	TGTTAATACAGATAAACCACGCTTAAGTGGAGATG
UQ1309	Cn <i>PUT5</i> deletion 3' R / genomic DNA generation R	CCTCGTTCGGCTAAAGCTGAC
UQ1310	Cn <i>PUT5</i> deletion <i>NEO</i> F	CAACCAACGATCCACAACGGCTGCGAGGATGTGAGC
UQ1311	Cn <i>PUT5</i> deletion <i>NEO</i> R	CATCTCCACTTAAGCGTTGGTTTATCTGTATTAACA
UQ1312	Cn <i>PUT2</i> deletion 5' F / genomic DNA generation F	CTCCGGTGTCCATTATTCCCTA
UQ1313	Cn <i>PUT2</i> deletion 5' R	AGCTCACATCCTCGCAGCTTTTGGTAAGGATGAAGA
UQ1314	Cn <i>PUT2</i> deletion 3' F	TGTTAATACAGATAAACCCTCAATGAGAATAGAAAA
UQ1315	Cn <i>PUT2</i> deletion 3' R / genomic DNA generation R	TTCTGACGGTGCAGGCGAAGA
UQ1316	Cn <i>PUT2</i> deletion <i>NEO</i> F	TCTTCATCCTTACCAAAAGCTGCGAGGATGTGAGCT
UQ1317	Cn <i>PUT2</i> deletion <i>NEO</i> R	TTTCTATCTCATTGACGGTTTATCTGTATTAACA
UQ1036	Universal deletion diagnostic (<i>NEO</i> marker specific) R	TGTGGATGCTGGCGGAGGATA
UQ1410	Cn <i>PUT1</i> deletion diagnostic F	AAACGCTTAAGTGGAGATGAA
UQ1411	Cn <i>PUT5</i> deletion diagnostic F	AGGCTGAAGATGATGCGAGAA
UQ1412	Cn <i>PUT2</i> deletion diagnostic F	CGATGACAGCCGATACCTACA
UQ18	Sequencing (M13F pCR2.1-TOPO)	GTAAAACGACGGCCAG
UQ19	Sequencing (M13R pCR2.1-TOPO)	CAGGAAACAGCTATGAC
UQ1594	Cn <i>PUT1</i> genomic DNA sequencing	GCTGTTCCGAAAGCTACCAGA
UQ1595	Cn <i>PUT1</i> genomic DNA sequencing	CCTCCTCGTCCTCTGGTTCT
UQ1596	Cn <i>PUT1</i> genomic DNA sequencing	TGGCGTTGGAAAAGAGCGGAG
UQ1597	Cn <i>PUT1</i> genomic DNA sequencing	AAAGAGAACGAGTAGACACAT
UQ1598	Cn <i>PUT1</i> genomic DNA sequencing	GCGTCATTTTCGGTACTCACA
UQ1599	Cn <i>PUT1</i> genomic DNA sequencing	AACTTGATTCATTCGTGCTC
UQ1600	Cn <i>PUT5</i> genomic DNA sequencing	TCCCCTGCTATTTTTTATCGT
UQ1601	Cn <i>PUT5</i> genomic DNA sequencing	GACAACCTCTTTTCGACAACC
UQ1602	Cn <i>PUT5</i> genomic DNA sequencing	TGAAACCGTGGAGGGATGTAT
UQ1603	Cn <i>PUT5</i> genomic DNA sequencing	GAAGGGCAAGTGGATGACAT
UQ1604	Cn <i>PUT5</i> genomic DNA sequencing	CATACAACACGCCGAAGCCAA
UQ1605	Cn <i>PUT5</i> genomic DNA sequencing	GGCGGCAGAGATGAGGCGAGT
UQ1606	Cn <i>PUT2</i> genomic DNA sequencing	TGGGTGTTGAAGATTTGGTCTG

UQ1607	Cn <i>PUT2</i> genomic DNA sequencing	ACCAAAAATGTCTTCCCAACT
UQ1608	Cn <i>PUT2</i> genomic DNA sequencing	GCCGAAATCGACGCTGCCGCT
UQ1609	Cn <i>PUT2</i> genomic DNA sequencing	CCCCAAACCTCGACATCTACA
UQ1610	Cn <i>PUT2</i> genomic DNA sequencing	TACGCTTTTCATTTCCGGCCT
UQ1611	Cn <i>PUT2</i> genomic DNA sequencing	AGCGATTAGGGTTTACGACAT
UQ1612	Cn <i>PUT2</i> genomic DNA sequencing	AGAAGAAGAAGTCAGTCAGCA
UQ270	GenomeWalker adaptor	GTAATACGACTCACTATAGGGC
UQ271	GenomeWalker nested adaptor	ACTATAGGGCACGCGTGGT
UQ272	GenomeWalker 3' gene specific	CTGAATGGCGAATGAGCTTGAGCTTGG
UQ273	GenomeWalker 3' nested gene specific	ATCAGATTGTCGTTTCCCGCCTCAG
UQ274	GenomeWalker 5' gene specific	GAGAGGCGGTTTGCGTATTGGCTAGAG
UQ275	GenomeWalker 5' nested gene specific	ACGTCCGCAATGTGTATTAAAGTTGTC
UQ1719	Sc <i>PUT1</i> genomic DNA / promotor generation F	AGACAAAACCTGAGCGAGACAG
UQ1756	Sc <i>PUT1</i> genomic DNA / terminator generation R	GCACCTACACTAACAGCTTCT
UQ1729	Sc <i>PUT2</i> genomic DNA / promotor generation F	TCACCGCATCGTTCAACTGTC
UQ1760	Sc <i>PUT2</i> genomic DNA / terminator generation R	TGCAATGCCAAAAGTGTCTGT
UQ1720	Cn <i>PUT1</i> cDNA generation F	GGCATCCCATCCATACAACCTCTAGATTTTAGACA
UQ1761	Cn <i>PUT1</i> cDNA generation R	GACCAAAGTATCTTGAACCAA
UQ1725	Cn <i>PUT5</i> cDNA generation F	CACTAACGCACGCTAGAAAATGTCAGCAATCCGACC
UQ1762	Cn <i>PUT5</i> cDNA generation R	TTAATCAGAGCCTCCAAAGAA
UQ1730	Cn <i>PUT2</i> cDNA generation F	AATTCACAGGAATGCTTTTCTTTCTTCATCCTTA
UQ1763	Cn <i>PUT2</i> cDNA generation R	GATACGAGACATTATGTATGA
UQ1814	Sc <i>PUT1</i> promotor generation R for Cn <i>PUT1</i>	GCGGGAGGCACGCATTTCTAGCGTGCCTTAGTGT
UQ1758	Sc <i>PUT1</i> promotor generation R for Cn <i>PUT5</i>	GGTCGGATTGCTGACATTTCTAGCGTGCCTTAGTG
UQ1815	Sc <i>PUT1</i> terminator generation F for Cn <i>PUT1</i>	CAAGATACTTTGGTCGAGGACTATAATATATACTC
UQ1728	Sc <i>PUT1</i> terminator generation F for Cn <i>PUT5</i>	AGATTCTTTGGAGGCTCTGATTAAGAGGACTATAA
UQ1759	Sc <i>PUT2</i> promotor generation R for Cn <i>PUT2</i>	TAAGGATGAAGAAAAGAAAAGCAATTCTGTGAATT
UQ1816	Sc <i>PUT2</i> terminator generation F for Cn <i>PUT2</i>	ATGTCTCGTATCAAAAATTTTGTGGAATAGAACC
UQ1770	Sc <i>PUT1</i> genomic DNA sequencing	CAGCTATGACCATGATTACGC
UQ1769	Sc <i>PUT1</i> genomic DNA sequencing	GTCGCTACACACGTACATTGC
UQ1818	Sc <i>PUT1</i> genomic DNA sequencing	AGTGAAGGTGAAAGCGAGGCA
UQ1771	Sc <i>PUT1</i> genomic DNA sequencing	CGCCACTCATCAATGTTTTAT
UQ1772	Sc <i>PUT1</i> genomic DNA sequencing	TCCAAAAGCTCCTTATTAGTT
UQ1819	Sc <i>PUT1</i> genomic DNA sequencing	ACAACATCCTACTGCCCAATA
UQ1773	Sc <i>PUT1</i> genomic DNA sequencing	ATGAATATAAGCACCACGAAC
UQ1774	Sc <i>PUT1</i> genomic DNA sequencing	TCACCTGGTTGTCGCCTCTCA
UQ1775	Sc <i>PUT1</i> genomic DNA sequencing	AAGATTTCCGTTTGAAGTAGC
UQ1776	Sc <i>PUT2</i> genomic DNA sequencing	ATGACCATGATTACGCCAAGC
UQ1777	Sc <i>PUT2</i> genomic DNA sequencing	AAGATGGCAAGGGATATGTTT
UQ1778	Sc <i>PUT2</i> genomic DNA sequencing	CATATCCCTTGCCATCTTCAC
UQ1820	Sc <i>PUT2</i> genomic DNA sequencing	GACTTTCTCAGTAGGGGTAGA
UQ1779	Sc <i>PUT2</i> genomic DNA sequencing	AAACCTTCACAAACCGCTGCC
UQ 1821	Sc <i>PUT2</i> genomic DNA sequencing	CCATGGATAFACTTCTGGAGT
UQ1780	Sc <i>PUT2</i> genomic DNA sequencing	AGCCTTATCGTCGGTACCACT
UQ1822	Sc <i>PUT2</i> genomic DNA sequencing	GCCACTTTGTATTTTGCCATA
UQ1781	Sc <i>PUT2</i> genomic DNA sequencing	GGCGAGCAGTCCCTGACAAGA

UQ1782	Sc <i>PUT2</i> genomic DNA sequencing	TTCCACATGGCAAAGAATAAA
UQ1595	Cn <i>PUT1</i> cDNA sequencing	CCTCCTCGTCCTCTGGTTCT
UQ1596	Cn <i>PUT1</i> cDNA sequencing	TGGCGTTGGAAAAGAGCGGAG
UQ1598	Cn <i>PUT1</i> cDNA sequencing	GCGTCATTTTCGGTACTCACA
UQ1601	Cn <i>PUT5</i> cDNA sequencing	GACAACTCCTTTTCGACAACC
UQ1602	Cn <i>PUT5</i> cDNA sequencing	TGAAACCGTGGAGGGATGTAT
UQ1603	Cn <i>PUT5</i> cDNA sequencing	GAAGGGCAAGTGGGATGACAT
UQ1604	Cn <i>PUT5</i> cDNA sequencing	CATACAACACGCCGAAGCCAA
UQ1605	Cn <i>PUT5</i> cDNA sequencing	GGCGGCAGAGATGAGGCGAGT
UQ1607	Cn <i>PUT2</i> cDNA sequencing	ACCAAAAATGTCTTCCCAACT
UQ1608	Cn <i>PUT2</i> cDNA sequencing	GCCGAAATCGACGCTGCCGCT
UQ1609	Cn <i>PUT2</i> cDNA sequencing	CCCAAAACCTCGACATCTACA
UQ1611	Cn <i>PUT2</i> cDNA sequencing	AGCGATTAGGGTTTACGACAT