

**Additional file 1: Primers list.** Gene names, sequences and sizes of corresponding PCR products (cDNA based) obtained with primers for RT-PCR and ChIP-PCR analyses.

Gene name	Forward primer [5'→3']	Reverse primer [5'→3']	Product size [bp]
<i>Hw26SRR</i>	CATCACTGTACTTGTTCGCTATCGGTG	GTAACGGCGAGTGAAGCGGC	279
<i>HwAGP1</i>	GCGGTAATGACCACGAAGTT	TCAAGGCCTTCGGTGAACATA	451
<i>HwATP1</i>	CTGAGGTCTCCTCCATCCTC	GAGGTACGCTTGACGGTCTC	259
<i>HwATP2</i>	GTCAGACCAGTCAGGGCAAC	CCGTGTTCAATCAGGAGCTT	223
<i>HwATP3</i>	GTTCTTGGAGGCGTTGTCC	GATCTCCCTCACCTTCACCA	343
<i>HwBMH1</i>	GGCCTGGTCCTCAACTTCTC	GCTCTCCTCAGACAGGGTGT	126
<i>HwCDC3</i>	CAACGTTATGGTCGTTGGTG	AGAGTGTCGGACTTCGCAAT	450
<i>HwCIT1</i>	CGTAGGCCTTGAGAAAGCTA	CCTCGACTCTGAGGAGGGTA	305
<i>HwCOB1</i>	AATTTGCTACAAATGCAAAAAGG	GCAGGTTCTGGAAATCCTTTAG	387
<i>HwCOX1</i>	TCAGGATGACCGAAAAATCA	CCGCTTTCAGGAATTCAAAAG	335
<i>HwCYT1</i>	GTCTACCGCGAAGTCTGCTC	TCCTCGGGATAACCAGTCAG	317
<i>HwDBP2</i>	CTTCCGGATCCAGTCTCAG	CGCGAAAAACCAGATGACC	201
<i>HwECM33</i>	CCCTTAATGACACCGCTTCT	TCGGTGGTGACCTCTCTTTC	295
<i>HwEFT2</i>	GGAGATGGCAGGTGAAGAAT	AGCTTGAGCGTGCTTTTCAAC	232
<i>HwELF1</i>	AGACTCCAAGCCCATCTTTG	ACAAGAAACCGACCTCATCC	247
<i>HwERV25</i>	AGAAGCTGAAGCCCATGGAA	CGGAAGTACGCCCTCAAATA	190
<i>HwFAS1</i>	CCTCCGATCCGTCAGATG	TAGAGGCATCGGAAACCTTG	224
<i>HwFRE7</i>	GCTTTGGCTTCCAGAATGTC	AGCTTGATTTCGGAGGTTTTG	217
<i>HwFUN12</i>	GACTTCCTTAGCTCCCGTGAC	AAGGTTGACAAGGATGCACA	294
<i>HwGDH1</i>	CCTCGAAGATGTCGATAGCC	AGGAGTCCTTCAAGGGCAAG	426
<i>HwGND2</i>	GAAGCAGAGACGTTACCACCA	CTCCAGAAGCCGGAGATTG	401
<i>HwGPD1A</i>	CGAGTCCTTACCAGAGGATCCT	ACGGCAGGCCAAAAAGAAAAG	336
<i>HwGUT2</i>	CTGCCATGGAAGGAAGAAGA	CCCATGCTCAAGAAGGAGAA	435
<i>HwHTA1</i>	TACCTGGCTGCTGAGATCCT	GTGAATGTTGGGGAGGACAC	168
<i>HwHSC82</i>	TCTTGAGGGACTTGGTCAGG	AGGACAAGGAGCAGTTCGAC	441
<i>HwIRE1</i>	TCCGGTACTTCTGCCAGCAA	TCGTAGGGGTGGATACCATC	571
<i>HwKAR2</i>	AAGAAGGCCAGCAAGGGTAT	GGTGATGGTGATGGACTCG	494
<i>HwKGD2</i>	TCAATGCTGGCATTACAG	GATGAACCGTATGCGTCTGA	231
<i>HwLSC2</i>	GATCTTGAGGCCACTGTCTG	CGTCAGGAGGAGGTCTTCAG	432
<i>HwMDH1</i>	CGTCTCTGAGCTCGCTCTTT	GACACCCCTGGACTTGAAGA	337
<i>HwMET14</i>	CTTACCCGTCAGGAGCGTAG	AGTCGGTGTTCTTGGTGTCC	346
<i>HwMET17</i>	GACATGCCGAGAGATTGGAT	AGGCAGCGGTAGACCATCT	409
<i>HwMET6</i>	TCAAGGACTGGTTCGCTTTC	GGGACTGCATGCTCTTGG	126
<i>HwMIR1</i>	GCTGTCTGCTGTTCCATCAC	TACCTTCGTTTTGGCCATCT	422
<i>HwNHP6A</i>	GAGAAAGAAGGACCCCAACA	GAGCCTTCTGCTTGTCTGTT	167
<i>HwNUC1</i>	CGCCACCTAACGTAGCAGTT	ATCGTCTTCTGCCTCTCCTG	280
<i>HwOPI3</i>	GGTCAAGACGAGGATGTTGC	ACGTTCTGGAATACCGTTGC	243
<i>HwPDI1</i>	TGGTTGGTTTTCTTCGGAAAG	TTGATCTTGCCCTTCTGCTT	388
<i>HwPGK1</i>	CATACTTGATCGTGGGCAGA	GCTTGCGGATACCAACACAT	188
<i>HwPMA2</i>	TACCGCCAACCAGCTCTCTA	CTTGAGACAGGGTCGAAAG	223
<i>HwPRY1</i>	GCGTTGACCTCAGCATTGTA	CCTACGCGGACAGAGTTTTG	250
<i>HwPUF1</i>	GACGTAGTTGGCGAAGGAGT	CTGCAGAAGGGCAGACTTGT	300
<i>HwRAD16</i>	GCTCTTCTGCTGGCTTTGAT	CTCAACTTCGGTGACAAGCA	324
<i>HwRPN2</i>	GAGAACGAAAACGCTCAGGA	GTTGCCACGATGAATGACAC	411
<i>HwSAM2</i>	GCAACACCTTCCTTTTACC	GCCTCCTCATAGTGCAGACC	334
<i>HwSHY1</i>	CGAGGGCAATCCAACAAC	GAATTTCCCCCTCGCGTAT	303
<i>HwSKN1</i>	AGCGAAAACAGAGACCTCGAA	CCATTTTCGACAAGGTTCAAGA	120
<i>HwSSA4</i>	GCAACACCTTCCTTTTACC	GCCTCCTCATAGTGCAGACC	334
<i>HwSTT3</i>	TCACCGTCTCTGGCGTTG	GTCTGGCAAAGCAGAGAAC	446
<i>HwSUN4</i>	GCAGGTGAGGTTGCTGGT	GGCTCATACTGCTCCTACGC	294
<i>HwTDH1</i>	CCAGCAGTGTGGTGAAAGA	ATCATCCTCTGCTCCGTTCC	165
<i>HwTEF1</i>	CAGCGTACCAGACTTGATG	AGTGAAGTCCGTCGAGATGC	335
<i>HwTIF1</i>	AAGACCGCTACCTTCGCTATC	GTGACCTCAAGCACATCCTG	426

<i>HwTKL1</i>	ATGGAAATTCCGTTGTCGTC	TTCTCCACCTGTTCGGCTAC	346
<i>HwTOM40</i>	CGGCACCAATAACATCCTCT	CTCCACCTTGTCGGTCAACT	451
<i>HwTUB2</i>	TAGCTCGGGTTGTTTCAGCTT	CCGTATGATGGCCACTTTCT	183
<i>HwUGP1</i>	TGATGGTCAAGTGGTCAAGC	GAGGCGGACCTGAGCATC	301
<i>SOL11</i>	CTACAGCGAGGACATCACCA	CTGCAGCTTCACCTGTTCTG	319
<i>SOL13</i>	CTGCCAGATAACGACGAGGT	GACACCACCCACGACATCTA	252
<i>SOL15</i>	CTTGCTGACAGCCCAAGAG	ACTGCCAACGCGGCTTAC	228
<i>SOL16</i>	GGGCTCATGGAGAACAGAAA	GACGGTCTAATCCCAGCTCA	303
<i>SOL17</i>	GTTGTGGACGATGTTGTTGC	ACAGCTCCTTCGACATCACC	365
<i>SOL18</i>	CATTACTCTGACCCGCACCT	CCAGCAGTGTTGGTGAAAGA	390
<i>SOL19</i>	CCGTAGCACTCGGGTAGACA	CTGGTTTGACGACGGGTACT	264
<i>SOL20</i>	CCAGCAGTGTTGGTGAAAGA	GATCATCCTCTGCTCCGTTT	166
<i>SOL21</i>	TCATCAGCTCGTTGATTTTCG	ATCTACGCAACCGCTACACC	204
<i>SOL23</i>	ACAGCGATTAGATCGGCAAA	GCCCCGTTTCCGATAGAGC	238
<i>SOL24</i>	CAACACGCTGTCACCTGTCT	CATCCTCTTCAGTGGCTTCC	209
<i>SOL25</i>	CGACATGTTGTCGATATCTGCT	TTGATGACCATTAATCAACCACT	204
<i>SOL26</i>	GCCAAGGGCATTGAGTAAAA	GCCCTCCATATCTCGTTTCC	204
<i>SOL27</i>	CACTGTCTGCAACTACTACGAAGC	CGGCCGAGGTACATTGTTAT	350
<i>SOL28</i>	GACCGTGAGCTCAATCCTGT	GACCCTGTGCTTCAGAGACC	232

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