

**Table S1.** Primers used for amplification of *PUB-ARM* full-length fragments.

<b>Gene of interest</b>	<b>Primer #1</b>	<b>Primer #2</b>
<i>SAUL1 + STOP</i>	5' CACCATGGTTGGAAGCTCGGATG 3'	5' GTTTTAATTAACATGCGATGTTTGGGAATATAC 3'
<i>SAUL1</i>	5' CACCATGGTTGGAAGCTCGGATG 3'	5' GATGGTACCTGCGATGTTTGGGAATATAC 3'
<i>PUB43</i>	5' CACCATGGCTGGAAGTGAAGTTG 3'	5' GGATCAACCAATGTTGGTGAATATAC 3'
<i>PUB42</i> *	5' CACCATGGGAGATACAGACAGCAGAGAG 3'	5' GGATCAGACATGGACAGAAGCAGAATG 3'
<i>PUB27</i>	5' CACCATGAGGAAAGATGATCTCTGC 3'	5' GGATCAAAACGGCATGATATGTGTC 3'
<i>PUB7</i> *	5' CACCATGGATGTGACCGAGCTTG 3'	5' GGATCACTCGCGAACCGAGTAG 3'
<i>PUB45</i> *	5' CACCATGGATGTTAATGAGGTTGAAG 3'	5' GGATCAACACTGGTAACTGAGAAGCTC 3'
<i>PUB17</i>	5' CACCATGGCCTCAGCGGC 3'	5' GGATCACAACACTGGTACGGAGATTG 3'
<i>PUB11</i> *	5' CACCATGGCCGGAGGAATC 3'	5' GGATCATTGGCATGCTTTACGAAG 3'
<i>PUB10</i> *	5' CACCATGGCTGGTGGAGCTATC 3'	5' GGATCAGAGTGAACCTAATTTTCGG 3'
<i>PUB14</i> *	5' CACCATGGGATTAACGAATTGTTGTTG 3'	5' GGATCCTGGAACAGTAGTTACTGCAACAC 3'
<i>PUB2</i> *	5' CACCATGATGGTACATATGGAGGTGTC 3'	5' GGATCAGCCTCTCCTCTGATTGC 3'
<i>PUB3</i> *	5' CACCATGGATCCTGTTCTGTTGTCG 3'	5' GGATCATGATCTACCTTTCTTCATCCTTG 3'
<i>PUB48</i> *	5' CACCATGGCGGATTCGACG 3'	5' GGATCAATAGTTAATACACTGTAAATCCC 3'
<i>PUB18</i>	5' CACCATGATCCATACGAAAACCG 3'	5' GGATCACCAGGCGTGAACGAAC 3'
<i>PUB29</i>	5' CACCATGGGGAGAGATGAAACAGAG 3'	5' GGATCAAAAAGGCATAATATGAGTAGTCTTG 3'
<i>PUB27</i>	5' CACCATGAGGAAAGATGATCTCTGC 3'	5' GGATCAAAACGGCATGATATGTGTC 3'
<i>PUB30</i>	5' CACCATGCCGATGTTTCAGCC 3'	5' GGATCATTGGATTGTCCTTGTGAGTTTG 3'
<i>PUB26</i>	5' CACCATGCCGGGAATTTAGAGCC 3'	5' TCAAAACGGCGCCACTTCGCTACG 3'
<i>PUB20</i>	5' CACCATGGGACTTTCATTGAGAGT 3'	5' TTAATGGTTTCTTAACATG 3'
<i>PUB5</i> *	5' CACCATGAGGATCGATTACACAGAACG 3'	5' GGATCATTTTTTCTTCTTCTTGAGACTGG 3'
<i>PUB40</i>	5' CACCATGGAGATTCAACGACCGATC 3'	5' GGATCAAAACTCGCCGAGTTAAC 3'
<i>PUB41</i>	5' CACCATGGGTGGAACAAGCAGAG 3'	5' GGATCAGAAGTGGGAGGAATAAGC 3'

\* for amplification of genomic fragments

**Table S2.** Primers used for amplification of *SAUL1* deletion fragments.

<b>Fragment of interest</b>	<b>Primer #1</b>	<b>Primer #2</b>
<i>SAUL1</i> $\Delta N$	5' CACCATGCACCATGTGGAGATCCAGGAATGATG 3'	5' GTTTTAATTAACATATGCGATGTTTGGGAATATAC 3'
<i>SAUL1</i> $\Delta C$	5' CACCATGGTTGGAAGCTCGGATG 3'	5' CTACAGGCTCTGTTCCCTCTGCCAC 3'
<i>SAUL1</i> $\Delta N\Delta C$	5' CACCATGCACCATGTGGAGATCCAGGAATGATG 3'	5' CTACAGGCTCTGTTCCCTCTGCCAC 3'
<i>SAUL1</i> $\Delta ARM1-6$	5' CAC CAT GAT TAG CAA CAC AGG TC 3'	5' GGA TCM TGC GAT GTT TGG GAA TAT AC 3'
<i>SAUL1</i> $\Delta ARM7-11$	5' CAC CAT GGT TGG AAG CTC GGA TG 3'	5' GGA TCM TAG ATG GAG CAG ATT CTC 3'
<i>SAUL1</i> $\Delta ARM7/8$	5' CAC CAT GGT TGG AAG CTC GGA TG 3' 5' CTC ACC AGT TGC CCA AAA TTG CCA GAT AGG GAT TTG GGT CTT ACT CAG 3'	5' CAA ATC CCT ATC TGG CAA TTT TGG GCA ACT GGT GAG TCC AAC AAG AAC CTC 3' 5' GGA TCM TGC GAT GTT TGG GAA TAT AC 3'
<i>SAUL1</i> $\Delta ARM9$	5' CAC CAT GGT TGG AAG CTC GGA TG 3' 5' CTA GGA TTA CTT TTG TTT TCA ACG AGT CTA TAA AGC TGA CAC GGA TGC CTG ATC 3'	5' CAT CCG TGT CAG CTT TAT AGA CTC GTT GAA AAC AAA AGT AAT CCT AGC AAG TAT AC 3' 5' GGA TCM TGC GAT GTT TGG GAA TAT AC 3'
<i>SAUL1</i> $\Delta ARM10/11$	5' CAC CAT GGT TGG AAG CTC GGA TG 3'	5' GGA TCM CAC ACA CGA AAA GAT C 3'