

Table S1. List of primers used in this study.

Primer Name	Primer Sequence (5'→3')	Purpose
<i>RiPG2</i> -F	ATGAACATCCTTGAGAATCCCAG	full-length cDNA of <i>RiPG2</i>
<i>RiPG2</i> -R	TCAAGCACATCGAGGGGAG	full-length cDNA of <i>RiPG2</i>
site-F	CTATGCTGGCTTGGCTTTTATCTGGATCCATGAACATCCTTGAGAATCCC	PCR for homologous recombination
site-R	CAGCTCCTCGCCCTTGCTCACCATGTCTGACAGCACATCGAGGGGAGGA	PCR for homologous recombination
<i>RiPG2-qPCR</i> -F	CCCAGCAAATGCACGTCAG	qPCR
<i>RiPG2-qPCR</i> -R	CGTCACCTGTTCCGATAATGC	qPCR
<i>RiI8s</i> -F	CTACCTATTGTAAGGAATGGTGCCT	qPCR
<i>RiI8s</i> -R	TTCTGCATCCGAGATATCAAGTAGT	qPCR
<i>SIEXP</i> -F	TCGCCCTCACTTTGACCTCGCTA	qPCR
<i>SIEXP</i> -R	TCTGATTCCCTCCTTGCTTTTCGGC	qPCR
<i>SITBG4</i> -F	GATTGTCTTGGCAGTCATAC	qPCR
<i>SITBG4</i> -R	TACCAGCTCTTAACTTCACG	qPCR
<i>SIP1</i> -F	GACCCCGTGAACCCTAAA	qPCR
<i>SIP1</i> -R	TGTTGCTGGTATGGTGGAT	qPCR
<i>SIXTH5</i> -F	AAGATATACTCTATGGTTTGATCC	qPCR
<i>SIXTH5</i> -R	ATTGGCTTTGATGGGTAGTCTCC	qPCR
<i>SlActin</i> -F	TGTCCCTATCTACGAGGGTTATGC	qPCR
<i>SlActin</i> -R	AGTTAAATCACGACCAGCAAGAT	qPCR

ATGAACATCCTTGAGAATCCCAGGTTCTCCAAATCGATCAATCTGCGAACTCAGCTCTTCAGCAAATCATCTTCA
 M N I L E N P R F S K S I N L R T Q L F S K S S S
 GTTAAATGGTTAGCGTCGATGATTTTGGCGCTAAGGGAAATGGAGCTGCCGATGACACACAGGCATTTCAAAAG
 V K M V S V D D F G A K G N G A A D D T Q A F Q K
 GCGTGGAAGGCAGCTTGTAGTTCCAATGGGGCACATGTTCTTCTCGTGCCAAAGAAGAACTATCTTGTTAAGCCA
 A W K A A C S S N G A H V L L V P K K N Y L V K P
 ATCACATTTTCAGGGCCATGCAAATCTAAGCTTACAATGCAGATATATGGAAGCATAGAAGCATCTGATGACAGA
 I T F S G P C K S K L T M Q I Y G S I E A S D D R
 TCAGTCTACAGCAAAGACCTTTATCACTGGATCATCTTTGACAACGTTGAAATCTGTTAGTTCAAGGTCCTGGA
 S V Y S K D L Y H W I I F D N V R N L L V Q G P G
 ACCATCAATGGCAACGGTCAAATCTGGTGGCAAAACTCTTGCAAAAAATAAACATACTAAGCCTTGTGGTACGCTA
 T I N G N G Q I W W Q N S C K N K H T K P C G T L
 GCACCTACGGCTGTGACGTTCTACCAATGCAATAACTTGGTGGTGAAGAATCTTAAGTTCAAAGACTCCCAGCAA
 A P T A V T F Y Q C N N L V V K N L K F K D S Q Q
 ATGCACGTCAGCTTCGAAGATTGCACGAACGTTCAAGCTTTATATCTTACAGTAACTGCGCCGGAGACTAGTCCC
 M H V S F E D C T N V Q A L Y L T V T A P E T S P
 AACACCGATGGCATTGTTTCAAATACCCAGAACATCACAATCTCACACAGCATTATCGGAACAGGTGGCGAC
 N T D G I H V S N T Q N I T I S H S I I G T G G D
 TGTATTTCTATCGTAAGTGGATCCCAAAATGTGCAAGCCTCCAGTATTACCTGTGGACCAGGCCATGGAATCAGT
 C I S I V S G S Q N V Q A S S I T C G P G H G I S
 ATCGGTAGCTTGGGGGAAGGAGGGTCTGAAGACCGTGTTCAAAAGTAACGGTGAACGGAGCTAAGATTTTCGGGA
 I G S L G E G G S E D R V S K V T V N G A K I S G
 ACCATGAACGGAGTCAGGATCAAGACATGGCAAGGAGGCTCAGGAATGGCAAGCAACATTGTGTTTCAGAACATT
 T M N G V R I K T W Q G G S G M A S N I V F Q N I
 GAAATGAATGATGTGACTAACCCATAATCATAGACCAAACTATTGTGACACTAGTGACAAACGGAAATGCAAA
 E M N D V T N P I I I D Q N Y C D T S D K R K C K
 CAACAGAGTAAGGCAGTGAAAGTGCAGAATGTGTTGTACAAAAACATCAGAGGAACGAGCGCTTCGAAATATGCC
 Q Q S K A V K V Q N V L Y K N I R G T S A S K Y A
 ATAGCATTTGATTGCAGCAAGAGCATTCCATGTGAGGGAATTGTGCTGCAAAATGTTCAACTCAACAAAAGAGCA
 I A F D C S K S I P C Q G I V L Q N V Q L N K R A
 AAATGCAGCAATGCTAATCTGGCTTACAAAGGAAATGTCTCTCCCTCGATGTGCTTGA
 K C S N A N L A Y K G N V S S P R C A *

Figure S1. Nucleotide and deduced amino acid sequences of *RiPG2* gene.

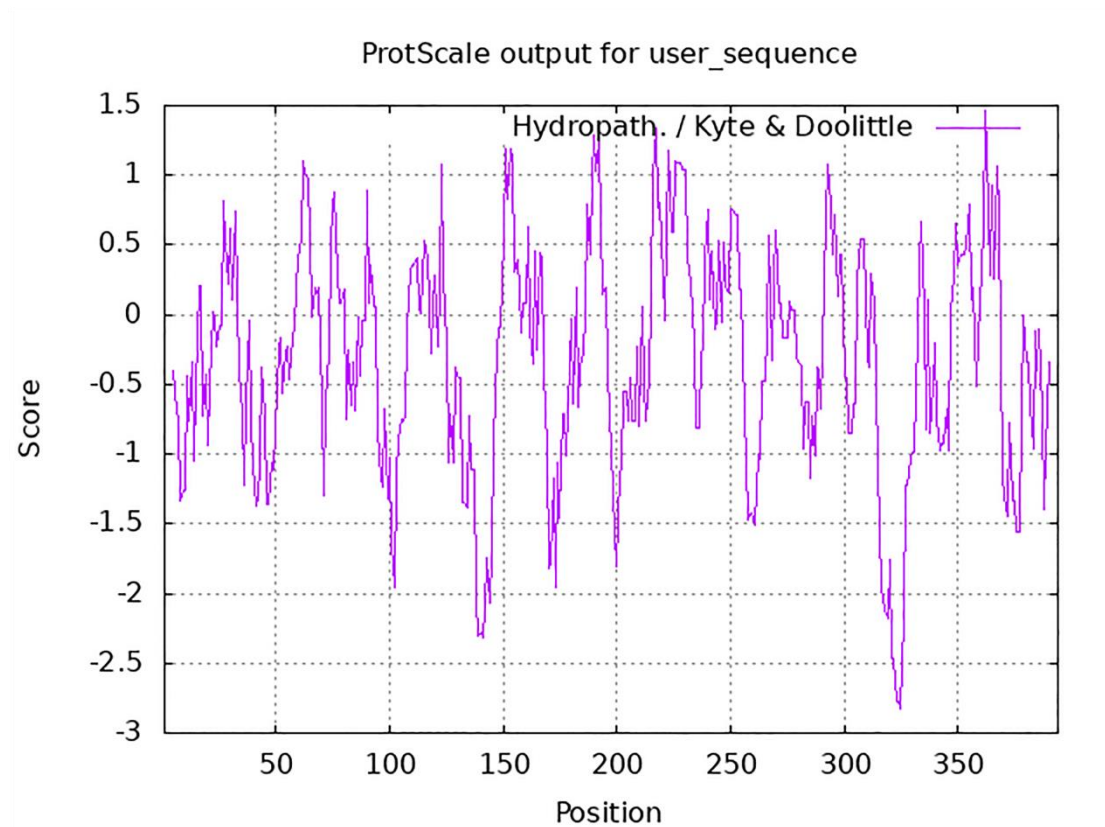


Figure S2. Hydrophilicity prediction of RiPG2 protein.