

PCP-like1-F1 1st exon			
<i>PUI1-1</i>	1:	CACCTCTAGTTCATTATCTAAGAATGAAAAATTCTTTTCAACCTTCGATTATTGGTTTCTT	60
<i>pui1-3</i>	1:	.....	60
<i>pui1-4</i>	1:	.....	60
<i>pui1-6</i>	1:	.....	60
<i>PUI1-1</i>	61:	TATGgtcacagttcttctgttcggttggtattttatattttacaattttattattatattca	120
<i>pui1-3</i>	61:	.....	120
<i>pui1-4</i>	61:	.....	120
<i>pui1-6</i>	61:	.....	120
<i>PUI1-1</i>	121:	aaaattattttaaaattaatgttattctgatatcatattattttatgtactgatataattt	180
<i>pui1-3</i>	121:	.....	180
<i>pui1-4</i>	121:	.....	180
<i>pui1-6</i>	121:	.....	180
<i>PUI1-1</i>	181:	ttttatcgaattctataattttgggttttagaaatttttccagaataatcaatgattaag	240
<i>pui1-3</i>	181:	.....	240
<i>pui1-4</i>	181:	.....a.....	240
<i>pui1-6</i>	181:	.....	240
<i>PUI1-1</i>	241:	aaagaagatgttcatactttaagttttttttctttataaataatgcaaaaaa-ctctctaa	299
<i>pui1-3</i>	241:	.....a.....	300
<i>pui1-4</i>	241:	.....-	299
<i>pui1-6</i>	241:	.....-	299
<i>PUI1-1</i>	300:	gcatatgtttttaccaaaaacattaatttctattttaaatacgaaaactaaagttttgtttt	359
<i>pui1-3</i>	301:	.....	360
<i>pui1-4</i>	300:	.....	359
<i>pui1-6</i>	300:	.....	359
2nd exon PUI1-3.4.6F			
<i>PUI1-1</i>	360:	aactattataataacagCAGTAATGACGACTGCTCAAGCTCAAGTACACAGATTTCCTTG	419
<i>pui1-3</i>	361:	.....G.....	420
<i>pui1-4</i>	360:	.....G.....	419
<i>pui1-6</i>	360:	.....G.....	419
<i>PUI1-1</i>	420:	TCGACACATATACAGACCGAAAAATGGAAAAATGTGATTTGACCATTGTTCAGCTGAATG	479
<i>pui1-3</i>	421:	.GA.....A..AC.....	480
<i>pui1-4</i>	420:	.....Sall.....	479
<i>pui1-6</i>	420:	.GA.....A..AC.....	479
<i>PUI1-1</i>	480:	TACCAAAGAAAGGGGAAGGCTTGGGATTGGTCGTTGTATGGATCCGCAAAATGAGATGTG	539
<i>pui1-3</i>	481:	.....BamHI.....	540
<i>pui1-4</i>	480:	.....G..G.....G.....	539
<i>pui1-6</i>	480:	.....BsrI.....GC..G.....	539
PUI1-3.4.6R			
<i>PUI1-1</i>	540:	CGCATGCATGCATTATCAAAAGGCATAGAAAGAATGAGTGTATTATTTGATT'TTTTATC	599
<i>pui1-3</i>	541:	.....	600
<i>pui1-4</i>	540:	.....	599
<i>pui1-6</i>	540:	.....	599
PCP-like1-R1			
<i>PUI1-1</i>	600:	TACATTGGAACTCAAATAA	618
<i>pui1-3</i>	601:	.....	619
<i>pui1-4</i>	600:	.....	618
<i>pui1-6</i>	600:	.....	618

Figure S4. Nucleotide sequence alignment of *PUI1* alleles. Red lines indicate exon regions. The intron sequences are written in lowercase. Black boxes indicate the primer region used in this study. Red boxes indicate the recognition sites for BamHI, Sall, and BsrI.