

	10	20	30	40	50	60	
1 PTTG1	ATGGCTACTCTGATCTATGTTGATAAGGAAAATGGAGAACCAGGCCA					CCCTGTGGT	60
2 PTTG3	ATGGCTACTCTGATCTATGTTGATAAGGAAAAGGAGAACCAGGCCA					CCCTGTGGCTAG	60
3 PTTG2	ATGGCTACTCTGATCTAAGTTGATAAGGAAAATTGGAGAACCAGGCCA					CCCTGTGGCTGCC	60
4 Consensus	ATGGCTACTCTGATCTATGTTGATAAGGAAAATGGAGAACCAGGCCA					CCCTGTGGCTG	
	70	80	90	100	110	120	
1 PTTG1	AAGGATGCGCTGAAGCTGGGGTCTGGACCTTCAATCAAAGC					TTAGATGGGAGATCTCA	120
2 PTTG3	AAGGATGCGCTGAAGCTGGGGTCTGGACCTTCAATCAAAGC					TTAGATGGGAGATCTCA	120
3 PTTG2	AAGGATGCGCTGAAGCTGGGGTCTGGACCTTCAATCAAAGC					TTAGATGGGATATCTCA	120
4 Consensus	AAGGATGCGCTGAAGCTGGGGTCTGGACCTTCAATCAAAGC					TTAGATGGGAGATCTCA	
	130	140	150	160	170	180	
1 PTTG1	GTTTCAACACCAAGTTTTGGCAAAACATTCGATGCTCCGAC					CCCTTACCTAAAGCTAG	180
2 PTTG3	GTTTCAATATCATGTTTGGCAAAACATTCGATGCTCCGAC					CCCTTACCTAAAGCTAAC	180
3 PTTG2	GTTTCAACACCAAGTTTTGGCAAAACATTCGATGCTCCGAC					CCCTTACCTAAAGCTAG	180
4 Consensus	GTTTCAACACCAAGTTTTGGCAAAACATTCGATGCTCCGAC					CCCTTACCTAAAGCTAG	
	190	200	210	220	230	240	
1 PTTG1	AGAAAGGCTTTGGGCACTGTCAACAGAGCTACAGAAAAGTC					GTAAAGACCAATGGACC	240
2 PTTG3	AGAAAGGCTTTGGGCACTGTCAACAGAGCTACAGAAAAGTC					GTAAAGACCAATGGACC	240
3 PTTG2	AGAAAGGCTTTGGGCACTGTCAACAGAGCTACAGAAAAGTC					GTAAAGACCAATGGACC	240
4 Consensus	AGAAAGGCTTTGGGCACTGTCAACAGAGCTACAGAAAAGTC					GTAAAGACCAATGGACC	
	250	260	270	280	290	300	
1 PTTG1	CTCAACAAAAACAGCCAAGCTTTTCTGCCAAAAAGATGAC					TGAGAAGACTGTTAAAGCA	300
2 PTTG3	CTCAACAAAAACAGCCAAGCTTTTCTGCCAAAAAGATGAC					TGAGAAGACTGTTAAAGCA	300
3 PTTG2	AGAAACAAAAACAGCCAAGCTTTTCTGCCAAAAAGATGAC					TGAGAAGACTGTTAAAGCA	300
4 Consensus	CTCAACAAAAACAGCCAAGCTTTTCTGCCAAAAAGATGAC					TGAGAAGACTGTTAAAGCA	
	310	320	330	340	350	360	
1 PTTG1	AAAACTCTGTTCTGCTGCTCAGATGATGCTATCCAGAAATAGAAAAATT					TTTCCCTTC	360
2 PTTG3	AAAACTCTGTTCTGCTGCTCAGATGATGCTATCCAGAAATAGAAAAATT					TTTCCCTTC	360
3 PTTG2	AAAACTCTGTTCTGCTGCTCAGATGATGCTATCCAGAAATAGAAAAATT					TTTCCCTTC	360
4 Consensus	AAAACTCTGTTCTGCTGCTCAGATGATGCTATCCAGAAATAGAAAAATT					TTTCCCTTC	
	370	380	390	400	410	420	
1 PTTG1	AATCTCTAGACTTTGAGAGTTTTGACCTGCCTGAAGAGCA					CCAGATTGCCACTCTCCCC	420
2 PTTG3	AATCTCTAGACTTTGAGAGTTTTGACCTGCCTGAAGAGCA					CCAGATTGCCACTCTCCCC	420
3 PTTG2	AATCTCTAGACTTTGAGAGTTTTGACCTGCCTGAAGAGCA					CCAGATTGCCACTCTCCCC	420
4 Consensus	AATCTCTAGACTTTGAGAGTTTTGACCTGCCTGAAGAGCA					CCAGATTGCCACTCTCCCC	
	430	440	450	460	470	480	
1 PTTG1	TTGAGTGGAGTGCCTCTCATGATCTTGATGAGGAGA					GAGAGCTTGAAAAGCTGTTTCAG	480
2 PTTG3	TTGAGTGGAGTGCCTCTCATGATCTTGATGAGGAGA					GAGAGCTTGAAAAGCTGTTTCAG	480
3 PTTG2	TTGAGTGGAGTGCCTCTCATGATCTTGATGAGGAGG					GAGAGCTTGAAAAGCTGTTTCAG	480
4 Consensus	TTGAGTGGAGTGCCTCTCATGATCTTGATGAGGAGA					GAGAGCTTGAAAAGCTGTTTCAG	
	490	500	510	520	530	540	
1 PTTG1	CTGGGCCCCCTTCAACTGTGAAGATGCCCTCTCCACCATGGAAAT					CAATCTGTTGCA	539
2 PTTG3	CTGGGCCCCCTTCAACTGTGAAGATGCCCTCTCCACCATGGAAAT					CAATCTGTTGCA	539
3 PTTG2	CTGGGCCCCCTTCAACTGTGAAGATGCCCTCTCCACCATGGAAAT					CAATCTGTTGCA	540
4 Consensus	CTGGGCCCCCTTCAACTGTGAAGATGCCCTCTCCACCATGGAAAT					CAATCTGTTGCA	
	550	560	570	580	590	600	
1 PTTG1	GTCTCCTTCAAGCATTCTGTGACCCCTGGATGTTGAATTGCCACCTGTTTGT					CTGACAT	599
2 PTTG3	GTCTCCTTCAAGCATTCTGTGACCCCTGGATGTTGAATTGCCACCTGTTTGT					CTGACAT	599
3 PTTG2	GTCTCCTTCAAGCATTCTGTGACCCCTGGATGTTGA					-----CTGACAT	576
4 Consensus	GTCTCCTTCAAGCATTCTGTGACCCCTGGATGTTGAATTGCCACCTGTTTGT					CTGACAT	
	610	620	630	640	650	660	
1 PTTG1	AGATATTTAA						
2 PTTG3	AGATATTTAA						
3 PTTG2	-----						
4 Consensus	AGATATTTAA						