

Fig S2

PPP2CB	CCGCGCTCCCGCCACCTCCCGCGCCCTTCGCCGGCT-----	38
PPP2CBY	..A.....G.....TG..-.....A.T....CCCAGGGCGCGCGGCCGGGTGG	59
PPP2CB	GCG-GGGCGGGCGAGGGACCCCGCAGGCCGCGCGCCGGGAGCCGCCCGCTGGCCTTGGGC	97
PPP2CBY	...A..C.....T.T.....T...TG.....	119
PPP2CB	GGGGCGAGGGGCGCGAGCCGCGCCGCCCGCTCCCTCCTCTGCCGCTGGGAGCCGCTGG	157
PPP2CBY	C.....T....A...C.T.....T.....T.....	179
PPP2CB	CGGCGGGAGAGGGGAGCGGCGCGCGGGGCGCGGGAGGGCAGGGGCGGGGTGGGGG-----	212
PPP2CBY	.....CG.G..C...T.....AT.....T....TGGTG	239
PPP2CB	--GAGGGAGGCAGCGGCCCGCC ATG GACGACAAGGCGTTCACCAAGGAGCTGGACCAGTG	270
PPP2CBY	GC.G.....C.....-----	273
PPP2CB	GGTCGAGCAGCTCAACGAGTGTAAGCAGCTGAACGAGAACCAGGTGCGGACGCTGTGCGA	330
PPP2CBY	----...G....GG..C.....A...T.C.....	329
PPP2CB	GAAGGCTAAGGAAATTTTAACAAAAGAATCAAATGTGCAAGAGGTTCTGTTGTCCTGTAAC	390
PPP2CBY	.....T.....A....	389
PPP2CB	CGTATGCGGAGATGTGCATGGTCAATTTTCATGATCTTATGGAACCTTTTCGAATTGGTGG	450
PPP2CBY	.....A.....A.....T.....A..T....A.....	449
PPP2CB	AAAATCACCAGATACAACTATCTGTTTCATGGGCGACTATGTAGACAGAGGCTATTACTC	510
PPP2CBY	.....-----G.....	502
PPP2CB	AGTGGAGACTGTGACTCTTCTTGTGGCATTAAAGGTGCGTTATCCAGAACGCATTACAAT	570
PPP2CBY	.....--.....G.....A.....	560
PPP2CB	ATTGAGAGGAAACCATGAAAGCCGACAAATTACCCAAGTATATGGCTTTTACGATGAATG	630
PPP2CBY	.....C.G.....C..T.....	620
PPP2CB	T-CTACGAAAGTATGGAAATGCCAATGTTTGGAAATATTTACAGATCTATTTGATTATC	689
PPP2CBY	.T...T.....	680
PPP2CB	TTCCACTTACAGCTTTAGTAGATGGACAGATATTCTGCCTCCACGGTGGCCTCTCTCCAT	749
PPP2CBY	.....G.G.....GT.....	740
PPP2CB	CCATAGATACACTGGATCATATCAGAGCTTTGGATCGTTTACAAGAAGTTCCACATGAGG	809
PPP2CBY	.....T..A.....	800
PPP2CB	GCCCAATGTGTGATCTGTTGTGGTCAGATCCAGATGATCGTGGTGGGTGGGGTATTTTAC	869
PPP2CBY	.....	860
PPP2CB	CTCGTGGTGCTGGCTACACATTTGGACAAGACATTTCTGAAACATTTAACCACGCCAATG	929
PPP2CBY	.....C...G..	920
PPP2CB	GTCTCACACTGGTTTCTCGAGCTCACCAACTTGTAATGGAGGGATACAATTGGTGTGCATG	989
PPP2CBY	....--.....C.....	978
PPP2CB	ATCGGAATGTGGTTACCATTTTCAGTGCACCCAATTACTGTTATCGTTGTGGGAACCAGG	1049
PPP2CBY	.....-----TTCC	1015
PPP2CB	CTGCTATCATGGAATTAGATGACACTTTAAAAATATTCCTTCCTTCAGTTTGACCCAGCAC	1109
PPP2CBY	A.....	1075

PPP2CB	CTCGTCGTGGAGAGCCTCATGTTACCCGGCGCACCCCAGACTACTTCCTG TAA ATTTCTC	1169
PPP2CBY	.....G.....T.....	1135
PPP2CB	CTGGGAAAAACTTGCCTTTGTATGTGGAAGTATACCTGGCTTTTAAAA---TATATATA	1226
PPP2CBY	.....A.....-...TATA.....	1194
PPP2CB	TTTAAAAACAAAACAAAAAAGCAACAGTAATGTATGTGTTTCTGTAACAAATTGGGATC	1286
PPP2CBY	.....--.....	1251
PPP2CB	TGTCTTGGCATTAAACCATATCATGGACCAAAATGTGCCATACTAATGATGAG G CATTTAG	1346
PPP2CBY	.....A	1311
PPP2CB	CACAATTTGAGACTGAAATTTAGTACACTATGTTCTAGATCGGTCAGTCTTAACAGTTTG	1406
PPP2CBY	.....T.....	1371
PPP2CB	CCTGCTGTATTTGTAGTAACCATTTTCCTCTGGACTGTTCAAGCAAAAAAGGTAACAACTAAC	1466
PPP2CBY	.T.....G.....A..A.....	1431
PPP2CB	TCCTTCATCTTCTTTTGCACCTTATTTGGAAATTTTAGTTATAGTGTTTAACTGGCATGGA	1526
PPP2CBY	.....C.....	1491
PPP2CB	TTGATAGAGTTGGAGTTTTATTTTAAAGAAAAATTCACAAGCTAACTTCCATTTAATCCA	1586
PPP2CBY	.....C.....G.....	1551
PPP2CB	TTACCCTTTATTTTATTGAAATGTATAGTTAAATTAAGTGAAGAAAAGATTCTTGGGAGT	1646
PPP2CBY	.....G.....A....	1611
PPP2CB	ATGTTGTCATAACATTTTAAAAGGTTTCCCTTCATTTAACTAAATTACTGTTTTATGTT	1706
PPP2CBY	.....	1671
PPP2CB	GATCTGCATATTT C TGTATATTTGTCATGACAGTGCTTGCATCCTATTTGGTGTACTGAG	1766
PPP2CBY	.....T ...G.....-----..A.....	1722
PPP2CB	CAAATAAACTTTCCATTTTAAACAAAA	1793
PPP2CBY	.....A.....	1749