

		10	20	30	40	50	60	70	80
PLATZ6 GRMZM2G342691	ATGCATCCGGTGGCTGCGCGTGGCGCCCCGCACTGGCTGCGCGGCTGCTATCGGAGGAGTTCTTCGACGCATGCGCCGC								
PLATZ6 Zm00001d051376	ATGCATCCGGTGGCTGCGCGTGGCGCCCCGCACTGGCTGCGCGGCTGCTATCGGAGGAGTTCTTCGACGCATGCGCCGC								
PLATZ6 cloned	ATGCACCCGGTGGCTGCGCGTGGCGCCCCGCACTGGCTGCGCGGCTGCTATCGGAGGAGTTCTTCGACGCATGCGCAGC								
		90	100	110	120	130	140	150	160
PLATZ6 GRMZM2G342691	GCACCCGGGGAGCGCAAGAACGACAAGAACCCTTCTGCGTCGACTGCGCCGCGCGCTGTGCGGCCACTGCCTCCCGC								
PLATZ6 Zm00001d051376	GCACCCGGGGAGCGCAAGAACGACAAGAACCCTTCTGCGTCGACTGCGCCGCGCGCTGTGCGGCCACTGCCTCCCGC								
PLATZ6 cloned	GCACCCGGGGAGCGCAAGAACGACAAGAACCCTTCTGCGTCGACTGCGCCGCGCGCTGTGCGGCCACTGCCTCCCGC								
		170	180	190	200	210	220	230	240
PLATZ6 GRMZM2G342691	ACGAACACGTCCACGACGTCTCCAGATCTGGAAGTACGCGTCTGCTTCGTCGTGCGCATCGACGACCTGAAGCTGTT								
PLATZ6 Zm00001d051376	ACGAACACGTCCACGACGTCTCCAGATCTGGAAGTACGCGTCTGCTTCGTCGTGCGCATCGACGACCTGAAGCTGTT								
PLATZ6 cloned	ACGAACACGTCCACGACGTCTCCAGATCTGGAAGTACGCGTCTGCTTCGTCGTGCGCATCGACGACCTGAAGCTGTT								
		250	260	270	280	290	300	310	320
PLATZ6 GRMZM2G342691	GACTGCACCGGCATCCAGTCGCACACGGTGAGCGACCATGAGGTGGTGTCTCTGAACGAGCGTACGGCGAGGAAGCGGTC								
PLATZ6 Zm00001d051376	GACTGCACCGGCATCCAGTCGCACACGGTGAGCGACCATGAGGTGGTGTCTCTGAACGAGCGTACGGCGAGGAAGCGGTC								
PLATZ6 cloned	GACTGCACCGGCATCCAGTCGCACACGGTGAGCGACCATGAGGTGGTGTCTCTGAACGAGCGTACGGCGAGGAAGCGGTC								
		330	340	350	360	370	380	390	400
PLATZ6 GRMZM2G342691	CACGAGCGCCGAGAACCCCTGCGCGCGTGCGCGCGACCGCTCTCCCGGCCACGACTACTGTTCACCTCTTCTGCAAGC								
PLATZ6 Zm00001d051376	CACGAGCGCCGAGAACCCCTGCGCGCGTGCGCGCGACCGCTCTCCCGGCCACGACTACTGTTCACCTCTTCTGCAAGG								
PLATZ6 cloned	CACGAGTCGCCGAGAACCCCTGCGCGCGTGCGCGCGACCGCTACTCCCGGCCACGACTACTGTTCACCTCTTCTGCAAGG								
		410	420	430	440	450	460	470	480
PLATZ6 GRMZM2G342691	CGCGCGCGCGCAGCCCAAAACCATATCTCCCTTCCGTAATTCCAGCCGTGCGGTGGGCTAAATTCGAGTTGAAAGCTC								
PLATZ6 Zm00001d051376	TGAAGCATC-TGGGGGAGAGCGAG---CACGAGCTAAGGCGCGGCTA-CGCGTGAGCCGGCAG---GAGGTG-GCTC								
PLATZ6 cloned	TGAAGCATC-TGGGGGAGAGCGAG---CACGAGCTAAGGCGCGGCTA-CGCGTGAGCCGGAAG---GAGGTG-GCTC								
		490	500	510	520	530	540	550	560
PLATZ6 GRMZM2G342691	CACCGCCTGATACTCAACGCGGCTTGGCCGGTCCCGGCGCTCCGCGGAGACGTGGCCGACGCCCTCCGCGTCCCTTA								
PLATZ6 Zm00001d051376	CCACGCCGGAGCCACA---GACCGGAGGAAGAGATCGTCGTCGTCGTCAGACGCGGGGCCGAG---CTGCGCGGATCGTT								
PLATZ6 cloned	CCACGCCGGAGCCACA---GACCGGAGGAAGAGATCGTCCTCGTCGTCAGACGCGGGGCCGAG---CTGCGCGGATCGTT								
		570	580	590	600	610	620	630	640
PLATZ6 GRMZM2G342691	CCTGGAGTTCCGCCGCGAGAAGCGTGGCCCTTCGTGGCTCCGTCGCCGCGCTCTCACCTCCATCCCATCCCTCCC								
PLATZ6 Zm00001d051376	CCGGAAGCGAAGCCGGAAGCAGGCCGAGCCGGCACAGGCACCATTCCATTGA-----								
PLATZ6 cloned	CCGGAAGCGAAGCCGGAAGCAGGCCGAGCCGGCACAGGCACCATTCCATTGA-----								
		650	660	670	680	690	700	710	720
PLATZ6 GRMZM2G342691	CATCCTCCTCTGACTCTCCGACGATGGCTCCTCCGGCTCCCGCGCGCGGCCACCACGACGCCACGCCACCACCGCC								
PLATZ6 Zm00001d051376	-----								
PLATZ6 cloned	-----								
		730	740	750	760	770	780	790	800
PLATZ6 GRMZM2G342691	TCCTCCTCCACCTCCGTATCCGACGCCGTGCCCCACCGTCGCCACCAGCCCTGCCTACGACGTCACCAAGTCCATGCT								
PLATZ6 Zm00001d051376	-----								
PLATZ6 cloned	-----								

	810	820	830	840	850	860	870	880
PLATZ6 GRMZM2G342691								
PLATZ6 Zm00001d051376	CCGCTCCCAGTACGCCGCGCAGACGCCCAAGCGGGGCCAGCAGCTGGAGATCGAGGTCGCGGCGGAGAACTGCGCCGCC							
PLATZ6 cloned	-----							
	890	900	910	920	930	940	950	960
PLATZ6 GRMZM2G342691								
PLATZ6 Zm00001d051376	TCATCACGGCCGACGGTGGCGCGGAGGCGATGCCAAGCCGAGGCCGCCCGTCTTCTGAAGGGTTCGGCAGAGGGGAA							
PLATZ6 cloned	-----							
	970	980	990	1000	1010	1020	1030	1040
PLATZ6 GRMZM2G342691								
PLATZ6 Zm00001d051376	GTCAATCTAGGGTGTCTGGAGGGGTTGTTGACATGCATTGAGAAAGGTTAGGCACCTTGATACTTCTAAAAAGAGTGA							
PLATZ6 cloned	-----							
	1050	1060	1070	1080	1090	1100	1110	1120
PLATZ6 GRMZM2G342691								
PLATZ6 Zm00001d051376	ATTTCACAAGTTATTGCAACTGAAAGATGAACTATCAATCCATGTCAACTCAAGCAAGAGATATGGAACACAACCTCAAGT							
PLATZ6 cloned	-----							
PLATZ6 GRMZM2G342691	..							
PLATZ6 Zm00001d051376	AA							
PLATZ6 cloned	--							
	--							

Supplemental Fig2 Sequence alignment of ZmPLATZ6 CDS from cloned and predicted.