

Most represented contigs and corresponding annotation against the *Oryza sativa* database of *Spartina maritima* (normalized and non-normalized) and *Spartina alterniflora*. In brackets, the read de

Dataset	Contig Number	Accession Number	Annotation			
<i>S. maritima</i> non-normalized						
Leaves	contig06360 (18 325.1), contig05746 (11 481.1), contig04972 (9 310.9), contig02305 (6 097.2) contig06401 (3 041.2), contig05764 (2 927), contig06032 (2 794.7), contig05289 (2 718.7), contig06384 (2 511.6), contig06329 (2 409.4), contig06046 (2 318.4), contig06352 (2 208.4), contig06744 (1 968) contig06655 (2 423.4), contig06661 (2 402.7), contig05494 (2 174.9), contig06324 (2 160.5), contig01259 (1 708) contig05784 (1 671.2) contig06407 (1 577.1)	LOC_Os01g57968.1 13101.m14919 cDNA LOC_Os12g33946.1 13112.m08842 cDNA LOC_Os10g21372.1 13110.m07742 cDNA LOC_Os10g21374.1 13110.m07741 cDNA LOC_Os10g38272.1 13110.m07798 cDNA	expressed protein, 23S ribosomal gene cytochrome c oxidase subunit 1, putative chloroplast 30S ribosomal protein S7, putative chloroplast 30S ribosomal protein S12, putative ATP synthase B chain, putative			
	Roots	contig05753 (1 749.4), contig06164 (1 659.9), contig06142 (1 573.8), contig06134 (1 522.1), contig06131 (1253.6) contig05892 (667.2), contig06467 (574.9), contig01977 (376.1) contig02011 (431.7) contig01822 (175.5) contig01851 (172.1) contig05944 (165.2), contig05742 (81.1) contig00912 (158.4) contig00021 (120.5) contig00013 (106.2) contig01971 (103.2) contig05122 (93) contig00352 (82.3) contig05764 (82.1)	LOC_Os12g33946.1 13112.m08842 cDNA LOC_Os12g34018.1 13112.m08837 cDNA LOC_Os11g21804.1 13111.m02102 cDNA LOC_Os12g34054.1 13112.m08820 cDNA LOC_Os09g00999.1 13109.m00002 cDNA LOC_Os03g17870.1 13103.m02135 cDNA LOC_Os12g34108.1 13112.m08831 cDNA LOC_Os04g16722.1 13104.m11802 cDNA LOC_Os12g34014.1 13112.m08836 cDNA LOC_Os09g01000.1 13109.m00003 cDNA LOC_Os09g00999.1 13109.m00002 cDNA LOC_Os04g46390.1 13104.m04668 cDNA LOC_Os07g43730.1 13107.m04594 cDNA	cytochrome c oxidase subunit 1, putative ATP synthase protein YMF19, putative, expressed expressed protein mitochondrial ribosomal protein S3, putative, expressed conserved hypothetical protein, 18S ribosomal RNA gene metallothionein, putative, expressed ATP synthase protein 9, mitochondrial, putative, expressed uncharacterized protein ycf68, putative, expressed, small subunit ribosomal gene NADH-ubiquinone oxidoreductase chain 6, putative expressed protein, 26S ribosomal gene conserved hypothetical protein, 18S ribosomal gene chaperone protein DnaJ, putative, expressed transcription elongation factor 1, putative, expressed		
		<i>S. maritima</i> normalized				
		Leaves	contig00002 (342.9) contig01621 (66.6) contig00001 (43.3) contig00324 (43.6) contig01339 (34.5) contig02883 (33.3) contig00491 (30.9), contig01366 (25.7) contig01349 (30.4) contig03313 (28) contig02273 (27.5) contig01561 (27.2) contig00510 (24) contig01408 (66.6) contig02194 (20.6) contig01384 (20) contig01593 (19) contig03171 (18.1) contig00506 (17.6) contig01879 (17.5)	LOC_Os04g16722.1 13104.m11802 cDNA LOC_Os12g34154.1 13112.m08815 cDNA LOC_Os01g57968.1 13101.m14919 cDNA LOC_Os10g34540.1 13110.m03075 cDNA LOC_Os04g10380.1 13104.m00933 cDNA LOC_Os08g27840.2 13108.m02871 cDNA LOC_Os09g01000.1 13109.m00003 cDNA LOC_Os12g34018.1 13112.m08837 cDNA LOC_Os03g15050.4 13103.m01762 cDNA LOC_Os01g45274.4 13101.m04641 cDNA LOC_Os07g08840.1 13107.m00879 cDNA LOC_Os03g40010.1 13103.m04335 cDNA LOC_Os10g38272.1 13110.m07798 cDNA LOC_Os02g27030.1 13102.m02936 cDNA LOC_Os10g38276.1 13110.m07796 cDNA LOC_Os06g01210.1 13106.m00020 cDNA LOC_Os12g08770.1 13112.m00930 cDNA LOC_Os01g13770.2 13101.m01518 cDNA LOC_Os08g06550.1 13108.m00669 cDNA	uncharacterized protein ycf68, putative, expressed, 23S ribosomal RNA gene ribosomal protein S2, putative, expressed expressed protein, 23S ribosomal RNA gene tetratricopeptide repeat protein 1, putative, expressed glycine-rich protein, putative, expressed phosphoenolpyruvate carboxylase, putative, expressed expressed protein, 26S ribosomal RNA gene ATP synthase protein YMF19, putative, expressed phosphoenolpyruvate carboxykinase, putative, expressed carbonic anhydrase, chloroplast precursor, putative, expressed thioredoxin, putative, expressed DEK C terminal domain containing protein, expressed ATP synthase B chain, putative cysteine proteinase 1 precursor, putative, expressed chloroplast ATP synthase a chain precursor, putative plastocyanin, chloroplast precursor, putative, expressed photosystem I reaction center subunit N, chloroplast precursor, putative, expressed DUF250 domain containing protein, putative, expressed acyl CoA binding protein, putative, expressed	
Roots			contig00795 (36.7) contig01125 (27.3) contig00096 (25.6) contig01436 (18.9) contig00147 (17.2) contig03250 (16.2) contig00940 (15.3) contig05812 (14.9) contig00400 (13.2) contig00627 (12.8) contig01117 (12.4) contig05100 (12.1) contig00460 (11.5) contig00639 (10.8) contig00885 (10.5) contig03805 (10) contig01389 (9.7) contig03975 (9.2) contig00945 (9.2) contig02485 (9.2)	LOC_Os07g14270.3 13107.m01489 cDNA LOC_Os09g33986.2 13109.m03404 cDNA LOC_Os05g41060.2 13105.m04351 cDNA LOC_Os02g40514.2 13102.m04519 cDNA LOC_Os03g38020.1 13103.m04133 cDNA LOC_Os03g27320.5 13103.m03191 cDNA LOC_Os03g58204.2 13103.m06395 cDNA LOC_Os05g51510.2 13105.m05557 cDNA LOC_Os07g49400.4 13107.m05312 cDNA LOC_Os10g34540.1 13110.m03075 cDNA LOC_Os02g45650.1 13102.m05121 cDNA LOC_Os01g48420.1 13101.m05023 cDNA LOC_Os01g49250.1 13101.m05120 cDNA LOC_Os04g54870.2 13104.m05681 cDNA LOC_Os06g35910.2 13106.m03708 cDNA LOC_Os01g69110.1 13101.m07545 cDNA LOC_Os03g18180.1 13103.m02177 cDNA LOC_Os12g04240.2 13112.m00403 cDNA LOC_Os10g30190.1 13110.m02594 cDNA LOC_Os09g00999.1 13109.m00002 cDNA	calreticulin precursor protein, putative, expressed peptidase, T1 family, putative, expressed ADP-ribosylation factor, putative, expressed h/ACA ribonucleoprotein complex subunit 3, putative, expressed mps one binder kinase activator-like 1A, putative, expressed steroid binding protein, putative, expressed ribosomal protein L4, putative, expressed protein phosphatase 2C, putative, expressed OsAPx2 - Cytosolic Ascorbate Peroxidase encoding gene 4,5,6,8, expressed tetratricopeptide repeat protein 1, putative, expressed peptidase, putative, expressed peroxiredoxin, putative, expressed methyltransferase, putative, expressed RNA recognition motif containing protein, putative, expressed FYVE zinc finger domain containing protein, expressed expressed protein ranBP1 domain containing protein, expressed peflin, putative, expressed BTBP2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with pentapeptide repeats, expressed conserved hypothetical protein	
			<i>S. alterniflora</i> non-normalized			
			Leaves	contig03290 (2 319.3), contig03267 (1 745.3) contig01303 (1 758), contig03531 (1512), contig03397 (1 509.8), contig01341 (1366.9) contig03376 (802.5) contig01553 (784.4)	LOC_Os01g57968.1 13101.m14919 cDNA LOC_Os12g33946.1 13112.m08842 cDNA LOC_Os10g21230.1 13110.m07701 cDNA LOC_Os06g16380.1 13106.m01806 cDNA	expressed protein, 23S ribosomal gene cytochrome c oxidase subunit 1, putative ATP synthase C chain, putative, expressed hypothetical protein, 26S ribosomal RNA gene

	contig01310 (771.6), contig01296 (746.2)	LOC_Os04g16866.1 13104.m11743 cDNA	photosystem II reaction center protein K precursor, putative, expressed
	contig01349 (695.2)	LOC_Os10g21268.1 13110.m07703 cDNA	expressed protein, chloroplast gene
	contig01380 (681.7)	LOC_Os10g21190.1 13110.m01750 cDNA	expressed protein, 23S ribosomal RNA gene
	contig01369 (662.3), contig03686 (543.8), contig03483 (470.9)	LOC_Os06g39712.1 13106.m10424 cDNA	OsClp10 - Putative Clp protease homologue, expressed
	contig01291 (536.9)	LOC_Os12g34014.1 13112.m08836 cDNA	NADH-ubiquinone oxidoreductase chain 6, putative
	contig01702 (529.2), contig03396 (467)	LOC_Os02g57280.1 13102.m06592 cDNA	CBS domain containing membrane protein, putative, expressed
	contig01317 (435.4)	LOC_Os12g34018.1 13112.m08837 cDNA	ATP synthase protein YMF19, putative, expressed
	contig01307 (327.2)	LOC_Os01g58039.1 13101.m14878 cDNA	uncharacterized protein ycf70, putative, expressed
Roots	contig04494 (2 361.6), contig12120 (2 165.7), contig05100 (2 137.2), contig08502 (1 936.2), contig11304 (1 736.2), contig11282 (1 519.8), contig11265 (1 398.3), contig11262 (1 202)	LOC_Os12g33946.1 13112.m08842 cDNA	cytochrome c oxidase subunit 1, putative
	contig10819 (543.2), contig10879 (415.2)	LOC_Os12g34018.1 13112.m08837 cDNA	ATP synthase protein YMF19, putative, expressed
	contig03506 (237.1), contig04387 (164.3)	LOC_Os08g28670.1 13108.m02960 cDNA	pathogenesis-related Bet v I family protein, putative, expressed
	contig05457 (224.5)	LOC_Os09g01000.1 13109.m00003 cDNA	expressed protein, 26S ribosomal RNA gene
	contig10811 (205.4)	LOC_Os11g21804.2 13111.m02103 cDNA	expressed protein
	contig11123 (189.9)	LOC_Os08g06550.1 13108.m00669 cDNA	acyl CoA binding protein, putative, expressed
	contig03774 (180)	LOC_Os06g41010.4 13106.m04278 cDNA	zinc finger A20 and AN1 domain-containing stress-associated protein, putative, expressed
	contig11314 (178)	LOC_Os05g49890.1 13105.m05344 cDNA	ras-related protein, putative, expressed
	contig03678 (164.2)	LOC_Os12g34014.1 13112.m08836 cDNA	NADH-ubiquinone oxidoreductase chain 6, putative
	contig10858 (149.9)	LOC_Os07g25002.1 13107.m09917 cDNA	chloroplast 30S ribosomal protein S7, putative, expressed
	contig07674 (145.9)	LOC_Os04g02820.2 13104.m00200 cDNA	elongation factor, putative, expressed
