Table S2. Orthologs of StCCT family genes in different species.

Species gene ID	*Solanum tuberosum*	*Arabidopsis thaliana*	*Oryza sativa*	*Amborella trichopoda*	*Glycine max*	*Physcomitrium patens*	*Selaginella moellendorffii*	*Zea mays*
COL	*PGSC0003DMG400026690*	*AT1G05290*	*Os02t0178100*	*AMTR_s00006p00262710*	*GLYMA_02G152900*	*Pp3c1_950*	*SELMODRAFT_102902*	*Zm00001eb016800*
	PGSC0003DMG402010056	*AT1G25440*	*Os02t0610500*	*AMTR_s00016p00175490*	*GLYMA_02G223700*	*Pp3c11_6370*	*SELMODRAFT_128905*	*Zm00001eb023220*
	PGSC0003DMG401010056	*AT1G28050*	*Os02t0724000*	*AMTR_s00019p00192190*	*GLYMA_03G209800*	*Pp3c12_21300*	*SELMODRAFT_136568*	*Zm00001eb036970*
	PGSC0003DMG400005633	*AT1G49130*	*Os02t0731700*	*AMTR_s00061p00172870*	*GLYMA_04G058900*	*Pp3c14_11960*	*SELMODRAFT_141010*	*Zm00001eb054810*
	PGSC0003DMG400007749	*AT1G68520*	*Os03t0351100*	*AMTR_s00066p00100930*	*GLYMA_05G233700*	*Pp3c17_67900*	*SELMODRAFT_161550*	*Zm00001eb078490*
	PGSC0003DMG400006387	*AT1G73870*	*Os03t0711100*	*AMTR_s00073p00061640*	*GLYMA_06G059600*	*Pp3c19_2450*	*SELMODRAFT_185898*	*Zm00001eb110960*
	PGSC0003DMG400014566	*AT2G24790*	*Os04t0497700*	*AMTR_s00111p00022140*	*GLYMA_07G091400*	*Pp3c2_31580*	*SELMODRAFT_266834*	*Zm00001eb170920*
	PGSC0003DMG400025414	*AT2G32310*	*Os06t0264200*		*GLYMA_08G041100*	*Pp3c2_35540*	*SELMODRAFT_38981*	*Zm00001eb184340*
	PGSC0003DMG400005325	*AT2G33500*	*Os06t0275000*		*GLYMA_08G255200*	*Pp3c5_12180*	*SELMODRAFT_438000*	*Zm00001eb189080*
	PGSC0003DMG400001263	*AT2G47890*	*Os06t0298200*		*GLYMA_09G184600*	*Pp3c6_14410*	*SELMODRAFT_444089*	*Zm00001eb216410*

PGSC0003DMG400027475	AT3G02380	Os06t0654900	GLYMA_10G021400	Pp3c7_25600	SELMODRAFT_449275	Zm00001eb233790
PGSC0003DMG400017411	AT3G07650	Os07t0261200	GLYMA_10G274300	Pp3c8_1870		Zm00001eb253150
PGSC0003DMG400026311	AT3G21880	Os07t0667300	GLYMA_12G196100			Zm00001eb253650
PGSC0003DMG400011378	AT4G15250	Os08t0536300	GLYMA_13G009300			Zm00001eb280600
PGSC0003DMG400028818	AT5G15840	Os09t0240200	GLYMA_13G050300			Zm00001eb379680
PGSC0003DMG400042340	AT5G15850	Os09t0509700	GLYMA_13G093800			Zm00001eb379950
PGSC0003DMG400029365	AT5G24930	Os10t0560400	GLYMA_13G306400			Zm00001eb380460
	AT5G48250		GLYMA_14G190400			Zm00001eb380990
	AT5G57660		GLYMA_16G050900			Zm00001eb389540
			GLYMA_17G066600			Zm00001eb391230
			GLYMA_18G278100			Zm00001eb418700
			GLYMA_19G039000			Zm00001eb425790
			GLYMA_19G099700			

					GLYMA_19G207100 *GLYMA_20G060400* *GLYMA_20G115600*			
PRR	*PGSC0003DMG400000584* *PGSC0003DMG400019518* *PGSC0003DMG400033048* *PGSC0003DMG402011297*	*AT2G46670* *AT2G46790* *AT5G02810* *AT5G24470* *AT5G60100* *AT5G61380*	*Os02t0618200* *Os03t0284100* *Os07t0695100* *Os09t0532400* *Os11t0157600*	*AMTR_s00001p00271570* *AMTR_s00009p00268760* *AMTR_s00023p00221340*	*GLYMA_03G261300* *GLYMA_04G166300* *GLYMA_04G228300* *GLYMA_05G025000* *GLYMA_06G136600* *GLYMA_06G196200* *GLYMA_07G049400* *GLYMA_10G048100* *GLYMA_13G135900* *GLYMA_16G018000*	*Pp3c16_18460* *Pp3c25_4920* *Pp3c25_5040*	*SELMODRAFT_120328* *SELMODRAFT_438647* *SELMODRAFT_447266* *SELMODRAFT_450934* *SELMODRAFT_450936*	*Zm00001eb092230* *Zm00001eb103490* *Zm00001eb112080* *Zm00001eb184870* *Zm00001eb198960* *Zm00001eb247330* *Zm00001eb319590* *Zm00001eb331630* *Zm00001eb397240*

					GLYMA_17G102200 *GLYMA_19G260400*			
ZIM	*PGSC0003DMG400033576* *PGSC0003DMG400010684* *PGSC0003DMG400009353*	*AT1G51600* *AT3G21175* *AT4G24470*	*Os02t0148500* *Os03t0684000* *Os03t0734900* *Os06t0698900*	*AMTR_s00019p00253580* *AMTR_s00033p00221090*	*GLYMA_02G215600* *GLYMA_04G096200* *GLYMA_04G096300* *GLYMA_06G097900* *GLYMA_06G098000* *GLYMA_07G182700* *GLYMA_08G067200* *GLYMA_08G221800* *GLYMA_14G182800*	*Pp3c1_40750* *Pp3c14_24090* *Pp3c17_23200* *Pp3c2_590*	*SELMODRAFT_177195* *SELMODRAFT_409922* *SELMODRAFT_423855* *SELMODRAFT_442360*	*Zm00001eb053170* *Zm00001eb215440* *Zm00001eb226740* *Zm00001eb273020*
ASML2	*PGSC0003DMG400009122* *PGSC0003DMG400022124*	*AT1G04500* *AT1G63820*	*Os01t0835700* *Os03t0139500*	*AMTR_s00001p00265770* *AMTR_s00021p00245010*	*GLYMA_01G221100* *GLYMA_04G236400*	*Pp3c12_13600* *Pp3c3_34580*	*SELMODRAFT_419178* *SELMODRAFT_437336*	*Zm00001eb003210* *Zm00001eb025830*

PGSC0003DMG400012193	AT2G33350	Os05t0466100	AMTR_s00032p00143730	GLYMA_05G209800	Pp3c4_6770	SELMODRAFT_439982	Zm00001eb046390
PGSC0003DMG400017148	AT3G12890	Os05t0595300	AMTR_s00039p00236750	GLYMA_06G127900	Pp3c8_7520		Zm00001eb081920
PGSC0003DMG400015524	AT4G27900	Os10t0466500		GLYMA_08G016500			Zm00001eb148750
PGSC0003DMG400029253	AT5G41380	Os11t0101200		GLYMA_08G168900			Zm00001eb156050
	AT5G53420	Os12t0101000		GLYMA_10G134400			Zm00001eb163110
	AT5G59990			GLYMA_10G190300			Zm00001eb222170
				GLYMA_11G022600			Zm00001eb297870
				GLYMA_12G074400			Zm00001eb345540
				GLYMA_13G331000			Zm00001eb368200
				GLYMA_15G219800			Zm00001eb368260
				GLYMA_15G258200			Zm00001eb402810
				GLYMA_20G085100			
				GLYMA_20G200400			

					GLYMA_U033700	
TCR1	*PGSC0003DMG400012618* *PGSC0003DMG400022983*	*AT1G07050* *AT4G25990* *AT5G14370* *AT5G57180*	*Os02t0148000* *Os08t0119700* *Os06t0699600*	*AMTR_s00025p00156240*	*GLYMA_02G230800* *GLYMA_13G100700* *GLYMA_14G197900* *GLYMA_16G067000* *GLYMA_17G059100* *GLYMA_19G079600*	*Zm00001eb173520* *Zm00001eb208040* *Zm00001eb232250* *Zm00001eb261240*