

Supplementary Table 1. Information and protein analysis of ice plant.

Gene name	Rename	Number of	Molecular	Theoretical	Instability	Aliphatic	GRAVY	Subcellular
Mc01G00047	McPP2C1	396	43839.04	8.77	43.21	89.6	-0.264	Chlo
Mc01G00236	McPP2C2	420	45509.33	5.16	59.07	78.45	-0.336	Pero
Mc01G01067	McPP2C3	452	48343.37	8.65	33.31	80.49	-0.175	Chlo
Mc01G01217	McPP2C4	378	40947.02	5.82	41.75	75.56	-0.357	Chlo
Mc01G01754	McPP2C5	517	55083.97	6.93	42.7	81.14	-0.158	Chlo
Mc01G02595	McPP2C6	377	41320.37	4.96	44.34	68.33	-0.477	Nucl
Mc01G02662	McPP2C7	380	41573.84	5.15	51.32	80.11	-0.262	Cysk
Mc01G02915	McPP2C8	331	35520.21	4.91	38.52	77.43	-0.355	Nucl
Mc02G00054	McPP2C9	307	33134.84	5.46	39.08	86.03	-0.052	Chlo
Mc02G00158	McPP2C10	730	80103.28	5.63	41.08	72.9	-0.49	Nucl
Mc02G00242	McPP2C11	443	47314.03	5.05	53.78	77.09	-0.241	Nucl
Mc02G00368	McPP2C12	360	38815.84	6.04	52.26	76.17	-0.344	Chlo
Mc02G02306	McPP2C13	399	42940.37	5.37	53.12	76.79	-0.3	Nucl
Mc03G00244	McPP2C14	401	44297.28	6.22	49	92.69	-0.144	chlo
Mc03G00348	McPP2C15	374	40796.16	6.77	45.29	79.25	-0.342	cyto
Mc03G00351	McPP2C16	442	49122.03	5.16	45.98	77.04	-0.546	chlo
Mc03G00607	McPP2C17	401	43892.86	5.67	65.75	79.3	-0.282	cyto
Mc03G00812	McPP2C18	285	32413.33	9.55	45.83	84.21	-0.529	nucl
Mc03G00853	McPP2C19	365	40311.83	6.33	36.25	84.71	-0.244	cyto
Mc03G00947	McPP2C20	378	41699.21	6.38	38.27	91.03	-0.181	cyto
Mc03G01447	McPP2C21	583	64744.78	5.68	46.73	91.63	-0.283	chlo
Mc03G01760	McPP2C22	117	12945.5	4.76	25.45	86.67	-0.238	chlo
Mc03G02217	McPP2C23	361	38674.47	5.49	48.23	87.12	-0.143	chlo
Mc03G02441	McPP2C24	802	88121.6	5.35	40.48	69.51	-0.584	nucl
Mc04G00557	McPP2C25	282	30945.95	6.51	47.54	85.39	-0.364	cyto
Mc04G00594	McPP2C26	375	41541.83	5.92	43.76	87.09	-0.378	nucl
Mc04G01237	McPP2C27	286	31237.79	5.23	31.92	79.09	-0.34	chlo
Mc04G01567	McPP2C28	427	46482.55	5.23	39.3	78.31	-0.324	chlo
Mc05G00282	McPP2C29	370	41130.89	6.01	32.34	81.43	-0.229	Nucl
Mc05G00292	McPP2C30	426	45596.11	6.19	36.13	91.29	-0.128	Chlo
Mc05G00652	McPP2C31	473	52466.91	5.27	38.32	77.91	-0.501	Chlo
Mc05G01720	McPP2C32	364	40383.11	9.01	43.33	91.32	-0.249	Mito
Mc05G01748	McPP2C33	1096	115882.67	3.93	35.64	82.79	-0.349	Chlo
Mc05G01962	McPP2C34	502	54023.77	4.72	45.59	85.26	-0.245	Chlo
Mc05G02416	McPP2C35	380	41180.02	5.03	68.52	76.97	-0.31	Chlo
Mc05G02443	McPP2C36	1077	120000.79	5.06	43.77	87.96	-0.232	Chlo
Mc05G02746	McPP2C37	400	43746.17	5.4	46.62	79.45	-0.381	Nucl
Mc06G00264	McPP2C38	443	48951.78	7.1	45.54	79.59	-0.473	Chlo
Mc06G01056	McPP2C39	386	42082.15	9.16	37.69	102.54	0.05	chlo
Mc06G01277	McPP2C40	420	45994.34	4.96	40.25	77.71	-0.337	Nucl
Mc06G01484	McPP2C41	534	58237.52	5.12	44.24	82.87	-0.214	Chlo
Mc06G01803	McPP2C42	658	72948.33	6.05	44.11	93.1	-0.148	Cyto
Mc06G01911	McPP2C43	275	29619.58	4.89	42.03	88.98	-0.079	cyto
Mc06G02098	McPP2C44	400	44673.81	7.18	48.68	88.42	-0.298	Mito
Mc07G00382	McPP2C45	344	37263.28	5.27	33.86	83.84	-0.208	Chlo
Mc07G00749	McPP2C46	388	42963	6.92	37.33	88.14	-0.198	Chlo
Mc07G01481	McPP2C47	325	36052.95	5.78	27.6	89.42	-0.248	Chlo
Mc08G00028	McPP2C48	389	43073.99	8.67	50.63	90.93	-0.241	Chlo
Mc08G00146	McPP2C49	282	30479.36	7.13	29.7	84.72	-0.341	Cyto
Mc08G00819	McPP2C50	341	38135.35	4.66	60.57	76.83	-0.682	Cyto
Mc08G01443	McPP2C51	283	30893.11	6.26	35.55	86.15	-0.327	Cyto
Mc08G01544	McPP2C52	474	51730.86	5.15	38.74	69.51	-0.385	Chlo
Mc08G02206	McPP2C53	262	29169.25	6.5	43.73	84.05	-0.227	Cyto
Mc09G00022	McPP2C54	359	39565.67	4.72	51.27	92.09	-0.144	nucl
Mc09G00260	McPP2C55	1068	120651.75	5.74	41.42	81.63	-0.342	E.R.
Mc09G00261	McPP2C56	384	42707.66	5.52	54.98	94.71	-0.142	vacu
Mc09G01180	McPP2C57	347	38198.9	4.9	41.65	77.32	-0.418	cyto
Mc09G01980	McPP2C58	454	50774.39	4.93	40.47	70.84	-0.55	nucl
Mc09G02094	McPP2C59	716	78446.3	5.64	39.4	70.11	-0.539	nucl