

Supplemental File 6.C. DOWN Dataset				
Term_ID	Description	Frequency	Log10 p-value	Representative
GO:0008152	metabolic process	82.18%	-4.1739	8152
GO:0009416	response to light stimulus	0.08%	-2.2757	9416
GO:0009314	response to radiation	0.09%	-2.1427	9416
GO:0009987	cellular process	65.99%	-3.585	9987
GO:0010016	shoot system morphogenesis	0.01%	-3.3872	10016
GO:0009965	leaf morphogenesis	0.00%	-2.1427	10016
GO:0048827	phyllome development	0.02%	-1.7212	10016
GO:0048366	leaf development	0.01%	-2	10016
GO:0010817	regulation of hormone levels	0.03%	-1.8861	10817
GO:0015979	photosynthesis	0.34%	-8.9208	15979
GO:0032501	multicellular organismal process	0.79%	-0.8539	32501
GO:0032502	developmental process	1.39%	-0.5086	32502
GO:0050896	response to stimulus	8.82%	-1.6383	50896
GO:0051179	localization	17.86%	-1.1487	51179
GO:0009058	biosynthetic process	30.33%	-2.3098	9058
GO:0042545	cell wall modification	0.02%	-0.4949	42545
GO:0044238	primary metabolic process	51.93%	-0.5086	44238
GO:0015672	monovalent inorganic cation transport	2.71%	-1.0915	15672
GO:0019684	photosynthesis, light reaction	0.09%	-5.1739	19684
GO:0006091	generation of precursor metabolites and energy	3.22%	-7.6778	6091
GO:0009145	purine nucleoside triphosphate biosynthetic process	0.51%	-2.0223	9145
GO:0044237	cellular metabolic process	53.87%	-3.2757	44237
GO:0019748	secondary metabolic process	0.18%	-0.7696	19748
GO:0009698	phenylpropanoid metabolic process	0.01%	-0.4318	9698
GO:0055114	oxidation-reduction process	15.04%	-1.9208	55114
GO:0006725	cellular aromatic compound metabolic process	33.05%	-0.6576	6725
GO:0006412	translation	4.70%	-0.6383	6412

GO:0046483	heterocycle metabolic process	33.33%	-0.3565	46483
GO:0065008	regulation of biological quality	2.71%	-1.0362	65008
GO:0010467	gene expression	16.70%	-0.6021	10467
GO:0009725	response to hormone	0.08%	-1.1487	9725
GO:0055086	nucleobase-containing small molecule metabolic process	10.84%	-1.2676	55086
GO:0009628	response to abiotic stimulus	0.31%	-1.3665	9628
GO:0034641	cellular nitrogen compound metabolic process	33.43%	-1.0044	34641
GO:0009719	response to endogenous stimulus	0.11%	-1.2757	9719
GO:0034637	cellular carbohydrate biosynthetic process	0.74%	-0.4202	34637
GO:0044249	cellular biosynthetic process	28.21%	-2.3565	44249
GO:0009914	hormone transport	0.02%	-1.4685	9914
GO:0060918	auxin transport	0.00%	-1.4685	9914
GO:0009926	auxin polar transport	0.00%	-1.4815	9914
GO:0042445	hormone metabolic process	0.02%	-0.6383	9914
GO:0042221	response to chemical anatomical structure	1.60%	-1.0655	42221
GO:0048532	arrangement	0.01%	-2.1427	48532
GO:0051234	establishment of localization	17.47%	-0.7696	51234
GO:0006810	transport	17.38%	-0.6383	51234
GO:0019438	aromatic compound biosynthetic process	15.56%	-0.3565	19438
GO:0044271	cellular nitrogen compound biosynthetic process	15.79%	-0.3979	44271
GO:0009888	tissue development	0.13%	-1.6198	9888
GO:0009059	macromolecule biosynthetic process	17.67%	-0.4685	9059
GO:0034645	cellular macromolecule biosynthetic process	17.20%	-0.4949	34645
GO:0048507	meristem development	0.01%	-1.4815	48507
GO:0045333	cellular respiration	2.26%	-2.7212	45333
GO:0006119	oxidative phosphorylation	1.17%	-1.2676	45333
GO:0022900	electron transport chain	1.16%	-2.041	45333

GO:0015980	energy derivation by oxidation of organic compounds	2.41%	-2.7212	45333
GO:0010033	response to organic substance	0.29%	-0.7447	10033
GO:0009144	purine nucleoside triphosphate metabolic process	6.48%	-2.0223	9144
GO:0009117	nucleotide metabolic process	9.83%	-1.2676	9144
GO:0009259	ribonucleotide metabolic process	7.84%	-1.3665	9144
GO:0006163	purine nucleotide metabolic process	7.64%	-1.4437	9144
GO:0009141	nucleoside triphosphate metabolic process	6.72%	-2	9144
GO:0009150	purine ribonucleotide metabolic process	7.46%	-1.6383	9144
GO:0006753	nucleoside phosphate metabolic process	9.90%	-1.2676	9144
GO:0009699	phenylpropanoid biosynthetic process	0.00%	-0.3188	9699
GO:0048367	shoot system development	0.03%	-2.7212	48367
GO:0007389	pattern specification process	0.04%	-0.6576	48367
GO:0003002	regionalization	0.03%	-1.1367	48367
GO:0048513	organ development	0.23%	-2.3098	48367
GO:0007275	multicellular organismal development	0.46%	-1.0655	48367
GO:0009887	organ morphogenesis anatomical structure	0.08%	-1.4685	48367
GO:0009653	morphogenesis	1.01%	-2.3098	48367
GO:0048731	system development anatomical structure	0.35%	-2.3098	48367
GO:0048856	development	1.24%	-1.1487	48367
GO:0009791	post-embryonic development	0.05%	-1.9586	48367
GO:0048646	anatomical structure formation involved in morphogenesis	0.13%	-0.4949	48646
GO:0009142	nucleoside triphosphate biosynthetic process	0.67%	-2.0223	9142
GO:0006164	purine nucleotide biosynthetic process	1.47%	-1.4685	9142
GO:0009165	nucleotide biosynthetic process	2.78%	-1.0044	9142

GO:0009933	meristem structural organization	0.01%	-1.6198	9933
GO:0055085	transmembrane transport	9.40%	-0.6576	55085