OGs_100091_T1_59_before	
Monocots_AGJ_0021756	
Monocots_ACG_0018783	
Monocots_AHE_0002241	
Monocots_AEO_0055355	
Monocots_AFA_0021540	
Monocots_AGW_0024309	
-Monocots_ABP_0007636	
	OGs_100091_T1_59_after
Monocots_ACC_0012358	Monocots_AGJ_0021756
Monocots_AEX_0007362	Monocots_ACG_0018783
Monocots_ACX_0028334	Monocots_AHE_0002241
Monocots_AAH_0009016	Monocots_AEO_0055355
Monocots_AGD_0026403	-Monocots_AFA_0021540
Monocots_ADO_0016247	Monocots_AGW_0024309
Monocots_AEY_0012437	Monocots_AIT_0038020
-Monocots_AEB_0021885	Monocots_ACC_0012358
Monocots_AHF_0027351	Monocots_AEX_0007362
Monocots_AFT_0018392	Monocots_ACX_0028334
Monocots_AIS_0002564	Monocots_AAH_0009016
Monocots_AIR_0023877	Monocots_AGD_0026403
-Monocots_AGK_0043350	Monocots_ADO_0016247
Monocots_AFD_0024564	Monocots_AEY_0012437
-Monocots_ADV_0017955  Monocots_AIH_0073985	-Monocots_AEB_0021885 -Monocots_AHF_0027351
-Monocots_AEQ_0033477	Monocots_AFT_0018392
Monocots_AKE_0021351	Monocots_AI \ _0016592 \ Monocots_AIS_0002564
Monocots_AAE_0021031	Monocots_AIS_0002304  Monocots_AIR_0023877
Magnoliids_AAU_0012064	-Monocots_AGK_0043350
Magnoliids_AIC_0051195	Monocots_AFD_0024564
Ceratophyllales_AIA_0022108	-Monocots_ADV_0017955
Eudicots_AGG_0002710	Monocots_AIH_0073985
Eudicots_AKI_0029246	-Monocots_AEQ_0033477
Eudicots_AKQ_0000112	Monocots_AKE_0021351
Eudicots_AKG_0028546	Monocots_AAE_0022021
Eudicots_AKC_0024283	Ceratophyllales_AIA_0022108
Eudicots_AKB_0030215	FEudicots_AKG_0028546
Eudicots_AKA_0030187	Eudicots_AKI_0029246
Eudicots_AHC_0003986	<sub>I</sub> Eudicots_AKC_0024283
Eudicots_AKK_0029477	Eudicots_AKB_0030215
Eudicots_AKH_0005044	Eudicots_AKA_0030187
Eudicots_AKF_0017640	LEudicots_AHC_0003986
Eudicots_AKR_0006077	
□ Eudicots_AKL_0026822	Eudicots_AKL_0026822
Eudicots_AKD_0017956	-Eudicots_AKD_0017956
_FEUdicots_AAR_0008628	Eudicots_AKK_0029477
Eudicots_ACY_0022110	Eudicots_AKH_0005044
Eudicots_AIN_0025888	_Fudicots_AAR_0008628
Eudicots_AEG_0012838	-Eudicots_ACY_0022110
Eudicots_AZA_0004662	Eudicots_AIN_0025888
Magnoliids_ABX_0000662	Eudicots_AEG_0012838
Magnoliids_ABW_0019734	Eudicots_AZA_0004662
- Magnoliids_AIB_0012124 - Magnoliids_ABS_0012307	Magnoliids_AEH_0012695
Magnoliids_ABS_0012307   Magnoliids_AEH_0012695	Magnoliids_AID_0002362 Magnoliids_ABX_0000662
Magnoliids_ALT_0012093	Magnoliids_ABX_0000662 Magnoliids_ABW_0019734
Chloranthales_ABU_0000732	Chloranthales_ABU_0000732
Chloranthales_ABV_0003738	Chloranthales_ABV_0003738
basal angiosperms_AEV_0010385	basal angiosperms_AEV_0010385
basal angiosperms_ADD_0028400	basal angiosperms_ADD_0028400
0. 981939	0. 981939