

Supplemental Table S3. Transcriptome assembly of Ranunculales plants and its close species.

Sample ID	Family	Species	Number of Transcripts	GC Content (%)	N50 (bp)	Average Length (bp)	Total Bases (bp)
00132	Menispermaceae	Diploclisia affinis	96,050	40.24	2,044	1,104.07	106,045,654
00210	Menispermaceae	Stephania longa	82,247	41.68	1,967	1,091.69	89,788,467
00303	Lardizabalaceae	Akebia trifoliata subsp. australis	81,555	40.13	1,765	1,012.58	82,580,663
00392	Ranunculaceae	Anemone hupehensis	83,920	41.44	1,533	851.70	71,474,316
00626	Menispermaceae	Tinospora sagittata	85,130	41.56	1,759	971.32	82,688,188
00888	Menispermaceae	Tinospora sinensis	119,640	39.44	1,902	973.61	116,482,661
00910	Berberidaceae	Berberis atrocarpa	214,071	41.10	1,078	442.73	94,774,628
01159	Menispermaceae	Diploclisia glaucescens	79,982	40.51	1,709	902.93	72,218,134
01205	Berberidaceae	Mahonia bodinieri	100,416	41.61	1,704	995.72	99,986,415
01207	Ranunculaceae	Clematis apiifolia	92,882	41.59	1,388	794.37	73,782,980
07839	Ranunculaceae	Cimicifuga japonica	104,198	41.11	1,491	790.30	82,347,810
07886	Berberidaceae	Dysosma delavayi	93,061	41.47	1,286	730.65	67,995,041
07887	Ranunculaceae	Beesia calthifolia	112,126	40.27	1,648	883.71	99,086,828
07897	Berberidaceae	Berberis ziyunensis	110,560	41.90	1,576	807.57	89,285,014
07963	Berberidaceae	Epimedium myrianthum	227,896	42.29	831	504.84	115,051,689
07968	Berberidaceae	Epimedium boreali-guizhouense	189,064	42.20	847	502.97	95,093,477
07969	Berberidaceae	Epimedium simplicifolium	156,298	47.52	970	535.14	83,640,538
07970	Berberidaceae	Epimedium baojingense	222,922	45.55	594	413.61	92,202,807
07985	Berberidaceae	Mahonia oiwakensis	104,315	42.04	1,664	896.93	93,562,739
08000	Berberidaceae	Dysosma difformis	87,849	41.30	1,429	780.54	68,570,016
08013	Lardizabalaceae	Stauntonia obovatifoliola subsp. Urophylla	122,421	39.84	1,666	906.42	110,964,288
08047	Berberidaceae	Berberis cavaleriei	129,985	42.09	1,557	825.60	107,315,511
08059	Ranunculaceae	Clematis puberula var. ganpiniana	107,855	41.51	1,557	815.35	87,939,822
08105	Menispermaceae	Stephania epigaea	132,402	41.40	1,844	949.73	125,746,548
08121	Ranunculaceae	Clematis terniflora var. terniflora	97,496	41.12	2,281	1,353.35	121,964,529
08177	Berberidaceae	Mahonia eurybracteata	131,814	41.33	1,700	923.18	121,687,790
08256	Ranunculaceae	Anemone vitifolia	103,718	41.03	1,524	824.67	85,532,762
08260	Berberidaceae	Berberis kunmingensis	81,768	43.26	1,732	902.10	73,763,315
08514A	Berberidaceae	Epimedium davidii	156,676	42.55	1,079	650.85	101,972,721
08580A	Ranunculaceae	Asteropyrum cavaleriei	199,722	41.28	1,026	629.21	125,667,367
08734A	Berberidaceae	Epimedium leptorrhizum	87,181	43.12	1,193	655.87	57,179,036
08771A	Ranunculaceae	Anemone tomentosa	102,830	41.51	1,191	674.80	69,389,172
08784	Lardizabalaceae	Holboellia grandiflora	94,062	40.34	1,184	683.40	64,281,608
08889A	Ranunculaceae	Clematis lasiandra	81,237	42.16	1,356	753.14	61,183,129
08891A	Ranunculaceae	Ranunculus ficarifolius	126,025	39.69	1,268	695.13	87,603,264
08894A	Berberidaceae	Berberis silvicola	150,573	41.62	1,246	676.19	101,815,485
08895A	Berberidaceae	Berberis zanzlaniscianensis	357,859	40.15	1,271	731.34	261,717,645
08914A	Berberidaceae	Berberis liophylla	159,154	41.20	1,206	662.45	105,430,836
08925A	Ranunculaceae	Clematis uncinata	102,222	40.99	1,623	891.24	91,104,436
08928A	Lardizabalaceae	Sinofranchetia chinensis	97,715	40.74	1,650	870.04	85,015,972
08951A	Berberidaceae	Mahonia decipiens	125,449	41.40	1,693	951.12	119,317,584
09032A	Ranunculaceae	Clematis kweichowensis	116,518	42.40	1,360	802.21	93,471,720
09154A	Berberidaceae	Mahonia napaulensis	128,483	41.53	1,695	936.98	120,386,000
09155A	Berberidaceae	Mahonia polyodonta	142,064	41.39	1,627	899.06	127,723,937
09161A	Berberidaceae	Mahonia shenii	158,583	40.96	1,671	922.42	146,280,087
09265A	Berberidaceae	Mahonia gracilipes	445,725	42.44	945	611.33	272,485,692
09334A	Ranunculaceae	Anemone flaccida	95,412	44.81	1,497	836.73	79,833,961
09383	Berberidaceae	Epimedium brachyrrhizum	107,002	43.10	1,145	632.19	67,645,613
09404	Ranunculaceae	Anemone begoniifolia	148,288	40.69	1,182	692.91	102,749,576
09679	Ranunculaceae	Thalictrum przewalskii	77,257	38.77	1,717	947.49	73,200,323
09688	Berberidaceae	Mahonia bracteolata	168,941	41.00	1,305	695.04	117,420,496
09701	Berberidaceae	Berberis thunbergii	193,694	40.45	1,277	684.68	132,617,969
09705	Ranunculaceae	Clematis pterae	105,434	41.82	1,288	711.26	74,990,536
09714	Berberidaceae	Berberis sublevis	162,750	40.88	1,235	658.56	107,180,461
09724	Berberidaceae	Mahonia subimbricata	179,182	40.68	1,323	706.28	126,551,991
09747	Berberidaceae	Epimedium epsteinii	146,044	44.08	895	545.68	79,693,603
09748	Berberidaceae	Epimedium dolichostemon	96,905	42.87	1,148	625.07	60,572,212
09751	Berberidaceae	Epimedium stellulatum	101,702	44.79	1,311	704.51	71,650,177
09757	Berberidaceae	Berberis integripetala	190,867	40.97	1,218	662.00	126,354,102
09766	Berberidaceae	Epimedium sagittatum var. glabratum	127,105	42.79	1,053	605.94	77,018,392
09767	Berberidaceae	Epimedium chlorandrum	133,564	44.92	945	569.26	76,032,212
09772	Berberidaceae	Epimedium fargesii	85,369	42.51	1,124	642.04	54,810,707
09773	Berberidaceae	Epimedium ecalcaratum	95,711	42.69	1,189	651.80	62,384,280
09823	Papaveraceae	Stylophorum lasiocarpum	133,136	40.18	1,183	666.17	88,691,533
09826	Ranunculaceae	Paeonia anomala subsp. veitchii	95,522	39.78	1,350	787.11	75,185,922
10378A	Berberidaceae	Mahonia brevircama	137,267	41.69	1,455	832.28	114,244,179
10465A	Papaveraceae	Eomecon chionantha	87,217	40.49	1,937	1,112.26	97,008,157
10478A	Berberidaceae	Epimedium lishihchenii	106,580	43.00	1,098	580.95	61,918,008
10499A	Berberidaceae	Dysosma versipellis	494,069	42.15	715	535.01	264,333,784
10583A	Ranunculaceae	Thalictrum fortunei	179,740	39.26	1,701	870.92	156,539,408
10661A	Lardizabalaceae	Stauntonia brunoniana	387,396	40.69	939	601.78	233,128,637
10669A	Ranunculaceae	Thalictrum faberi	274,029	41.62	1,166	650.29	178,198,308

10681A	Ranunculaceae	Aconitum finetianum	224,085	41.91	1,143	676.73	151,644,580
10742A	Lardizabalaceae	Stauntonia chinensis	126,731	40.06	1,623	850.50	107,784,594
11097A	Ranunculaceae	Aquilegia ecalcarata	142,421	39.05	1,915	989.80	140,968,525
11110A	Ranunculaceae	Aquilegia yabeana	127,756	38.67	1,926	1,039.16	132,758,867
11113A	Ranunculaceae	Helleborus thibetanus	382,292	42.02	987	607.86	232,381,511
11140A	Papaveraceae	Meconopsis quintuplinervia	526,630	38.58	916	637.15	335,544,846
11264A	Berberidaceae	Berberis pruinosa	217,356	41.19	1,535	802.80	174,493,314
11296A	Berberidaceae	Berberis lempergiana	180,211	40.65	1,673	886.40	159,738,358
11326A	Ranunculaceae	Thalictrum fargesii	182,905	39.12	1,159	742.21	135,753,932
11354B	Lardizabalaceae	Stauntonia yaoshanensis	124,772	39.91	1,576	844.02	105,309,601
11374B	Ranunculaceae	Clematis henryi	137,446	41.45	1,493	766.60	105,366,608
11522A	Ranunculaceae	Clematis puberula var. tenuisepala	209,698	43.03	1,100	638.57	133,906,401
11539A	Ranunculaceae	Thalictrum minus var. hypoleucum	280,196	39.34	1,204	718.81	201,407,579
11578B	Ranunculaceae	Dichocarpum dalzielii	125,855	39.14	1,873	1,022.42	128,676,583
11648B	Menispermaceae	Pericampylus glaucus	131,312	40.44	2,276	1,170.02	153,637,101
12140A	Menispermaceae	Stephania dielsiana	120,773	41.60	1,818	959.99	115,941,296
12225A	Menispermaceae	Cyclea hypoglauca	147,567	41.18	1,693	901.25	132,994,293
12267A	Ranunculaceae	Clematis tinghuensis	115,538	40.98	1,661	839.54	96,998,633
12310A	Ranunculaceae	Coptis chinensis var. brevisepala	230,802	40.84	1,588	882.61	203,708,552
12517B	Menispermaceae	Stephania hainanensis	94,332	41.61	1,840	997.60	94,105,162
12596A	Ranunculaceae	Clematis aethusifolia	220,489	41.06	1,298	726.53	160,192,500
12597A	Ranunculaceae	Thalictrum petaloideum	238,036	39.61	1,324	784.50	186,738,667
12603A	Ranunculaceae	Aconitum kusnezoffii	295,877	41.16	1,136	687.52	203,421,524
12619A	Berberidaceae	Berberis amurensis	242,584	40.48	1,361	762.08	184,867,538
12621A	Ranunculaceae	Aconitum barbatum var. puberulum	194,302	41.46	1,119	689.67	134,004,240
12623A	Ranunculaceae	Clematis hexapetala	227,100	40.92	1,365	745.51	169,304,651
12652A	Berberidaceae	Berberis poiretii	325,285	41.18	1,200	718.34	233,664,857
12674A	Ranunculaceae	Clematis sibirica var. ochotensis	237,895	41.68	1,129	680.11	161,794,815
12685A	Ranunculaceae	Anemone cathayensis	241,909	41.97	795	564.59	136,578,654
12694A	Ranunculaceae	Trollius chinensis	114,684	41.91	1,591	903.05	103,564,938
12695A	Ranunculaceae	Aconitum leucostomum var. hopeiense	182,121	41.40	1,189	708.97	129,118,458
12699A	Papaveraceae	Corydalis speciosa	145,651	40.40	1,567	871.50	126,934,435
12730A	Ranunculaceae	Thalictrum shensiense	172,780	38.47	1,743	941.87	162,736,189
12731A	Ranunculaceae	Aconitum cannabifolium	219,011	40.83	1,232	724.72	158,722,370
12739A	Papaveraceae	Corydalis ophiocarpa	153,940	40.34	1,518	839.15	129,783,402
12745A	Papaveraceae	Hylomecon japonica	225,716	39.59	1,332	768.94	173,562,305
12746A	Ranunculaceae	Ranunculus chinensis	192,665	39.40	1,358	802.63	154,638,662
12748A	Ranunculaceae	Clematis shensiensis	183,909	41.03	1,360	751.43	138,195,520
12753A	Ranunculaceae	Adonis sutchuenensis	255,756	41.85	925	608.03	155,538,102
12754A	Papaveraceae	Stylophorum sutchuenense	209,148	39.47	1,638	911.53	190,643,886
12779A	Berberidaceae	Berberis feddeana	218,917	40.98	1,351	747.39	163,617,190
12787A	Papaveraceae	Meconopsis oliveriana	209,548	38.80	1,490	854.33	179,023,650
12794A	Ranunculaceae	Ranunculus nepalensis	251,355	40.39	1,355	786.87	197,783,752
12803A	Papaveraceae	Corydalis linarioides	181,840	39.72	1,554	853.88	155,269,652
12807A	Circaeasteraceae	Kingdonia uniflora	191,577	39.97	1,116	679.68	130,211,813
12823A	Papaveraceae	Dicranostigma leptopodium	146,053	40.53	1,540	866.34	126,530,893
12876A	Ranunculaceae	Trollius japonicus	142,398	41.82	1,297	742.56	105,739,073
12909A	Berberidaceae	Berberis wilsoniae	213,421	40.78	1,452	797.14	170,126,725
12919A	Ranunculaceae	Thalictrum delavayi	256,580	38.81	1,509	853.86	219,084,230
12926A	Ranunculaceae	Thalictrum bouffordii	181,497	38.98	1,577	852.61	154,745,999
12960A	Ranunculaceae	Thalictrum nepalense	172,999	39.19	1,518	866.03	149,821,872
12974A	Ranunculaceae	Caltha scaposa	307,359	41.25	1,151	693.95	213,292,294
12985A	Ranunculaceae	Thalictrum finetii	167,697	38.54	1,428	804.26	134,871,207
12998A	Ranunculaceae	Batrachium bungei	564,892	44.08	861	586.01	331,030,142
12999A	Ranunculaceae	Ranunculus tanguticus	201,310	41.09	1,279	749.76	150,933,534
13004A	Papaveraceae	Corydalis curviflora	225,880	40.06	1,387	781.96	176,630,114
13008A	Ranunculaceae	Aconitum scaposum	178,748	41.43	1,235	728.40	130,199,878
13009A	Ranunculaceae	Thalictrum uncatum	119,672	38.87	1,589	905.26	108,333,875
13016A	Berberidaceae	Sinopodophyllum hexandrum	231,446	40.54	1,090	662.28	153,282,315
13031A	Ranunculaceae	Clematis rehderiana	165,124	41.60	1,282	727.17	120,073,772
13062A	Ranunculaceae	Aconitum gymndrum	167,137	42.09	1,154	681.75	113,945,270
13063A	Ranunculaceae	Clematis tangutica	178,968	41.37	1,293	738.64	132,193,471
13066A	Ranunculaceae	Thalictrum atriplex	268,631	38.96	1,354	786.91	211,388,553
13088A	Ranunculaceae	Aquilegia rockii	146,959	39.15	1,774	918.78	135,023,157
13089A	Ranunculaceae	Delphinium tatsienense	193,395	41.57	1,321	748.11	144,680,033
13097A	Ranunculaceae	Cimicifuga foetida var. foliolosa	162,435	41.07	1,270	725.07	117,777,292
13116A	Ranunculaceae	Ranunculus ternatus	217,243	41.32	1,271	725.38	157,584,472
13134A	Ranunculaceae	Thalictrum cultratum	176,305	38.82	1,581	865.94	152,669,314
13137A	Ranunculaceae	Caltha palustris var. barthei	348,346	41.59	1,051	655.68	228,404,173
13139A	Ranunculaceae	Aconitum crassiflorum	260,864	42.26	1,142	680.05	177,401,168
13140A	Ranunculaceae	Aconitum pilopetalum	235,334	41.63	1,043	663.46	156,134,990
13143A	Ranunculaceae	Aconitum brunneum	207,060	41.01	1,265	729.14	150,976,177
13163A	Papaveraceae	Corydalis pseudosibirica	165,153	40.07	1,540	845.27	139,599,468
13165A	Ranunculaceae	Aconitum pendulum	187,337	41.35	1,196	707.88	132,612,259
13182A	Papaveraceae	Meconopsis racemosa	370,668	39.28	1,028	662.61	245,606,733
13196A	Papaveraceae	Corydalis pseudotongolensis	127,163	40.49	1,427	807.22	102,647,995
13202A	Ranunculaceae	Thalictrum foetidum	246,080	37.90	1,031	646.70	159,139,476

13214A	Papaveraceae	Corydalis adunca	131,136	40.07	1,514	861.59	112,985,987
13216A	Ranunculaceae	Thalictrum smithii	135,125	39.37	1,125	717.02	96,887,127
13271A	Berberidaceae	Berberis gyalica	372,520	42.44	1,045	640.87	238,735,761
59	Menispermaceae	Stephania kwangsiensis	100,579	47.58	1,917	1,121.43	112,792,411
BN01259	Menispermaceae	Stephania japonica	96,086	41.08	1,588	826.87	79,451,105
BN01422	Menispermaceae	Cocculus laurifolius	179,448	41.18	1,269	667.79	119,834,064
BN01692	Menispermaceae	Fibraurea recisa	99,223	40.24	1,667	884.51	87,763,512
BN01829	Ranunculaceae	Clematis parviloba	120,009	41.22	1,381	737.48	88,504,430
BN01830	Menispermaceae	Arcangelisia gusanlung	93,533	40.37	1,922	989.49	92,550,162
BN01845	Ranunculaceae	Clematis subumbellata	103,094	41.24	1,389	751.08	77,431,345
BN01846	Menispermaceae	Cyclea polypetala	104,853	40.04	1,622	831.12	87,145,323
BN01858	Ranunculaceae	Clematis menglaensis	127,564	41.70	1,280	697.72	89,004,292
BN01859	Ranunculaceae	Clematis chingii	100,883	41.32	1,386	751.15	75,778,563
BN01922	Menispermaceae	Eleutharrhena macrocarpa	120,216	40.36	1,624	833.20	100,163,449
CC00440A	Ranunculaceae	Pulsatilla chinensis	76,134	41.69	1,653	938.41	71,444,556
CC00446A	Ranunculaceae	Ranunculus repens	132,904	40.35	1,470	873.73	116,122,619
CC00479A	Papaveraceae	Dicentra spectabilis	97,083	39.69	1,764	991.59	96,266,398
CC00494A	Ranunculaceae	Aconitum coreanum	130,688	41.72	1,484	849.65	111,039,289
CC00505A	Ranunculaceae	Pulsatilla cernua	76,299	42.01	1,594	886.67	67,652,284
CD00559	Berberidaceae	Mahonia retinervis	135,691	41.33	1,419	751.83	102,016,531
CQ00662	Papaveraceae	Macleaya cordata	85,187	40.13	1,663	894.65	76,212,455
CQ00773	Berberidaceae	Berberis virgetorum	149,783	40.81	1,376	727.04	108,898,862
CQ00776	Berberidaceae	Berberis julianae	136,192	41.26	1,367	737.10	100,387,590
CQ00784	Ranunculaceae	Aconitum sinomontanum	157,566	41.72	1,116	633.54	99,825,081
CQ00787	Papaveraceae	Chelidonium majus	92,000	39.74	1,433	799.63	73,565,732
CQ00790	Ranunculaceae	Coptis chinensis	110,008	39.61	1,581	841.90	92,615,270
CQ00791	Papaveraceae	Corydalis tomentella	80,618	40.04	1,794	972.73	78,419,279
CQ00838	Papaveraceae	Corydalis shearerii	127,844	40.55	1,108	614.70	78,586,066
CQ00918	Berberidaceae	Berberis gagnepainii	154,979	40.88	1,290	702.14	108,816,633
CQ00921	Papaveraceae	Papaver rhoeas	114,529	39.75	1,228	700.75	80,256,476
CQ00940	Menispermaceae	Cocculus orbiculatus	146,159	41.69	1,318	702.68	102,702,895
CQ00952	Berberidaceae	Epimedium sagittatum	105,109	41.39	1,091	606.39	63,736,979
CQ00966	Ranunculaceae	Semiaquilegia adoxoides	67,809	38.84	1,705	950.74	64,468,557
CQ01025	Berberidaceae	Mahonia fordii	154,090	41.03	1,401	736.58	113,499,215
CQ01036	Berberidaceae	Mahonia sherdaniana	160,046	41.15	1,322	702.73	112,469,140
CQ01174	Menispermaceae	Stephania cephalantha	131,606	41.23	1,709	910.09	119,773,801
CS00127	Berberidaceae	Mahonia eurybracteata subsp. ganpinensis	138,429	41.12	1,689	931.17	128,901,343
CS00128	Berberidaceae	Berberis soulieana	124,773	41.27	1,663	927.15	115,683,598
CS00131	Berberidaceae	Mahonia fortunei	134,298	41.17	1,679	934.22	125,463,904
CS00230	Lardizabalaceae	Akebia quinata	105,353	39.93	1,650	903.53	95,189,120
CS00280	Berberidaceae	Berberis thunbergii 'Atropurpurea'	96,653	41.60	1,731	954.40	92,245,423
EM00020	Lardizabalaceae	Holboellia coriacea	133,618	39.55	1,274	699.39	93,450,585
EM00036	Papaveraceae	Corydalis edulis	90,831	40.48	1,305	711.40	64,617,551
EM00060	Lardizabalaceae	Akebia trifoliata	110,777	40.05	1,322	729.87	80,852,984
EM00104	Menispermaceae	Sinomenium acutum	249,265	41.78	1,366	734.72	183,139,780
EM00105	Ranunculaceae	Clematis urophylla	299,863	41.71	1,152	659.99	197,906,193
EM00109	Berberidaceae	Epimedium acuminatum	286,944	45.02	955	611.60	125,463,098
EM00127	Lardizabalaceae	Decaisnea insignis	119,258	42.98	1,031	595.85	71,059,797
EM00142	Ranunculaceae	Clematis apiifolia var. argentilucida	65,690	42.19	1,438	807.45	53,041,572
EM00156	Menispermaceae	Stephania tetrandra	64,407	42.58	1,488	806.35	51,934,611
EM00195	Menispermaceae	Tinospora sagittata var. craveniana	83,836	40.95	1,551	793.39	66,514,881
EM00204	Ranunculaceae	Clematis finetiana	78,218	42.52	1,279	731.25	57,197,141
EM00218	Ranunculaceae	Thalictrum ramosum	60,811	39.58	1,526	878.91	53,447,590
EM00244	Ranunculaceae	Ranunculus sieboldii	142,584	40.76	945	586.51	83,627,542
EM00268	Menispermaceae	Cyclea racemosa	79,681	43.05	1,448	778.75	62,051,442
HH00984A	Ranunculaceae	Aconitum monanthum	270,057	40.49	1,061	674.58	182,174,683
HH00994A	Ranunculaceae	Clematis fruticosa	222,300	41.46	1,126	677.29	150,561,726
HH01018A	Ranunculaceae	Caltha palustris	290,655	41.42	1,200	700.57	203,625,420
HRB0047B	Ranunculaceae	Clematis brevicaudata	207,936	41.09	1,237	697.93	145,124,307
HRB0063B	Ranunculaceae	Clematis manshurica	222,707	41.19	950	615.52	137,079,512
HRB0111B	Berberidaceae	Berberis ferdinandi-coburgii	309,155	40.97	1,135	672.19	207,809,443
HRB0204B	Ranunculaceae	Ranunculus japonicus	201,251	44.72	963	643.03	129,409,819
HRB0324B	Berberidaceae	Berberis koreana	250,401	40.50	1,286	740.28	185,367,220
SY00867A	Papaveraceae	Argemone mexicana	150,638	38.09	1,660	906.38	136,535,331
SY00890A	Ranunculaceae	Thalictrum minus	347,939	38.93	988	635.36	221,066,867
SY00927A	Lardizabalaceae	Stauntonia leucantha	247,595	39.22	1,303	756.88	187,398,501
TLF00928	Ranunculaceae	Clematis orientalis	114,075	41.48	1,230	699.35	79,778,749
TLF01005	Ranunculaceae	Clematis songorica	177,802	41.47	1,310	777.70	138,276,676
TLF01018	Berberidaceae	Berberis nummularia	259,548	40.32	1,388	779.31	202,269,314
XA00077	Berberidaceae	Nandina domestica var. leucocarpa	189,214	40.54	1,084	606.48	114,754,840
XA00103	Berberidaceae	Mahonia bealei	156,332	41.55	1,263	687.55	107,485,581
XA00201	Berberidaceae	Epimedium brevicornu	230,416	41.32	1,009	620.95	143,077,692
XA00224	Berberidaceae	Nandina domestica	300,749	40.54	1,021	642.52	193,238,520
XA00244	Ranunculaceae	Aconitum Carmichaelii	354,408	41.46	966	625.41	221,648,778
XA00278	Papaveraceae	Macleaya microcarpa	136,232	39.96	1,693	926.19	126,176,412
XA00290	Ranunculaceae	Clematis heracleifolia	278,272	43.49	1,014	634.47	176,555,912
XA00577	Eupteleaceae	Euptelea pleiosperma	95,219	42.76	1,476	782.36	74,495,797

XY00762	Menispermaceae	Menispermum dauricum	121,280	42.20	1,544	801.40	97,193,336
YZ0002	Ranunculaceae	Aconitella aconiti	225,377	42.70	1,468	962.91	217,018,620
YZ0005	Ranunculaceae	Actaea mairei	175,372	43.70	1,723	940.67	164,967,977
YZ0007	Ranunculaceae	Actaea vaginata	160,494	41.66	1,911	1,153.76	185,171,533
YZ0008	Ranunculaceae	Adonis amurensis	323,057	41.14	1,497	863.28	278,890,044
YZ0009	Ranunculaceae	Adonis sibirica	178,122	42.32	1,822	1,158.85	206,416,082
YZ0010	Ranunculaceae	Anemoclema glaucifolium	238,367	42.04	2,066	1,323.17	315,399,606
YZ0011	Ranunculaceae	Anemone patens	539,586	41.34	1,632	879.59	474,613,589
YZ0012	Ranunculaceae	Aquilegia coerulea	145,881	40.13	1,810	1,202.99	175,493,617
YZ0013	Ranunculaceae	Asteropyrum peltatum	328,507	42.64	1,722	903.58	296,832,710
YZ0014	Berberidaceae	Berberis aquifolium	366,822	43.73	1,333	800.39	293,601,631
YZ0016	Berberidaceae	Berberis shensiana	771,871	41.19	1,268	866.65	668,944,958
YZ0017	Ranunculaceae	Callianthemum alatavicum	214,754	41.91	2,092	1,201.38	258,001,052
YZ0018	Ranunculaceae	Callianthemum taipaicum	206,702	42.10	1,740	1,038.90	214,741,781
YZ0019	Papaveraceae	Capnoides sempervirens	94,192	42.02	1,199	802.86	75,622,967
YZ0020	Circaeasteraceae	Circaeaster agrestis	496,911	38.93	2,041	1,193.65	593,136,629
YZ0021	Menispermaceae	Cissampelos mucronata	240,663	43.13	1,710	1,010.76	243,252,323
YZ0022	Ranunculaceae	Clematis lanuginosa	116,817	42.77	1,288	760.87	88,882,608
YZ0023	Ranunculaceae	Clematis patens	515,207	41.24	1,691	936.66	482,573,573
YZ0025	Menispermaceae	Cocculus trilobus	382,569	41.21	1,890	1,063.53	406,874,015
YZ0026	Ranunculaceae	Coptis deltoidea	305,955	40.39	1,939	1,222.85	374,138,097
YZ0027	Ranunculaceae	Coptis teeta	345,530	40.23	2,318	1,373.55	474,601,215
YZ0030	Papaveraceae	Corydalis cheilanthisfolia	203,249	41.00	2,310	1,260.53	256,201,487
YZ0035	Papaveraceae	Corydalis yanhusuo	352,814	40.46	1,833	1,118.12	394,489,124
YZ0038	Papaveraceae	Dactylicapnos scandens	222,589	40.97	2,441	1,475.64	328,461,531
YZ0039	Papaveraceae	Dactylicapnos torulosa	341,278	39.38	3,331	2,100.46	716,839,151
YZ0041	Ranunculaceae	Delphinium cordinale	264,202	41.14	1,615	952.72	251,710,972
YZ0042	Ranunculaceae	Delphinium elatum	339,995	42.49	1,575	974.18	331,216,878
YZ0043	Ranunculaceae	Delphinium grandiflorum var. chinense	142,511	41.56	1,645	1,000.82	142,627,346
YZ0044	Ranunculaceae	Delphinium hybrid cultivar	70,524	42.62	1,576	1,003.84	70,794,857
YZ0045	Ranunculaceae	Delphinium nudicaule	221,226	41.14	1,783	1,023.93	226,520,360
YZ0046	Papaveraceae	Dendromecon rigida	351,668	40.82	1,518	970.97	341,460,816
YZ0047	Berberidaceae	Diphylleia cymosa	248,234	41.46	1,684	992.75	246,435,537
YZ0048	Berberidaceae	Diphylleia grayi	284,758	41.15	1,196	773.19	220,171,764
YZ0049	Berberidaceae	Diphylleia sinensis	246,030	41.60	1,458	863.68	212,490,853
YZ0050	Berberidaceae	Dysosma aurantiocaulis	296,702	42.64	1,497	772.83	229,301,543
YZ0051	Berberidaceae	Dysosma pleiantha	264,141	42.55	1,227	740.44	195,581,189
YZ0052	Berberidaceae	Dysosma tsayuensis	206,653	41.54	1,626	913.46	188,770,253
YZ0054	Berberidaceae	Epimedium koreanum	286,697	43.54	1,573	882.73	253,075,249
YZ0055	Berberidaceae	Epimedium pseudowushanense	182,538	43.00	988	609.85	111,320,386
YZ0056	Berberidaceae	Epimedium pubescens	97,657	43.13	1,458	932.28	91,043,589
YZ0057	Ranunculaceae	Eranthis hyemalis	320,715	41.26	1,849	1,089.53	349,427,644
YZ0058	Papaveraceae	Eschscholzia californica	138,022	39.98	1,807	1,170.81	161,598,118
YZ0059	Papaveraceae	Fumaria bracteosa	175,075	43.70	1,723	940.48	164,655,045
YZ0060	Ranunculaceae	Garidella nigellastrum	272,484	39.56	3,090	2,016.04	549,339,305
YZ0061	Ranunculaceae	Garidella unguicularis	215,965	40.70	2,097	1,258.33	271,755,411
YZ0062	Papaveraceae	Glaucium flavum	194,474	40.59	1,902	1,156.99	225,003,975
YZ0063	Berberidaceae	Gymnospermium kiangnanense	305,494	40.37	1,475	916.86	280,094,551
YZ0064	Ranunculaceae	Halerpestes cymbalaria	150,576	41.10	2,130	1,307.52	196,880,604
YZ0065	Ranunculaceae	Helleborus argutifolius	233,991	41.70	1,657	1,018.41	238,298,472
YZ0066	Ranunculaceae	Helleborus atrorubens	242,476	42.28	1,632	1,046.03	253,635,964
YZ0067	Ranunculaceae	Helleborus foetidus	260,797	41.64	1,746	1,042.60	271,907,254
YZ0068	Ranunculaceae	Helleborus lividus	309,128	41.59	1,674	966.70	298,834,368
YZ0069	Ranunculaceae	Helleborus torquatus	269,207	41.99	1,637	1,036.80	279,114,769
YZ0070	Ranunculaceae	Hepatica henryi	249,420	41.91	1,673	977.14	243,718,458
YZ0071	Ranunculaceae	Hepatica nobilis var. japonica	191,699	41.41	1,598	925.45	177,407,696
YZ0073	Papaveraceae	Hypecoum procumbens	107,480	42.81	1,186	784.28	84,294,479
YZ0074	Berberidaceae	Jeffersonia diphylla	207,609	41.27	2,017	1,115.28	231,543,179
YZ0075	Ranunculaceae	Komaroffia diversifolia	248,584	41.54	2,091	1,258.10	312,743,492
YZ0076	Ranunculaceae	Leptopyrum fumaroides	277,485	38.71	3,222	2,142.52	594,517,498
YZ0079	Menispermaceae	Menispermum canadense	237,900	41.59	1,917	1,252.94	298,074,917
YZ0080	Ranunculaceae	Nigella arvensis	295,366	40.64	1,435	810.20	239,306,603
YZ0081	Ranunculaceae	Nigella carpatha	293,458	40.57	1,749	1,028.13	301,713,874
YZ0082	Ranunculaceae	Nigella ciliaris	211,670	40.77	1,929	1,160.91	245,730,497
YZ0083	Ranunculaceae	Nigella damascena	107,124	40.49	1,805	1,089.46	116,707,369
YZ0084	Ranunculaceae	Nigella degenii	255,491	40.74	1,703	1,028.39	262,744,088
YZ0085	Ranunculaceae	Nigella doerfleri	199,866	40.53	1,767	1,029.51	205,763,133
YZ0086	Ranunculaceae	Nigella elata	281,008	40.89	1,934	1,171.03	329,069,678
YZ0087	Ranunculaceae	Nigella fumariifolia	243,983	40.75	1,868	1,097.03	267,656,261
YZ0088	Ranunculaceae	Nigella icarica	262,002	40.69	1,735	1,028.43	269,451,856
YZ0089	Ranunculaceae	Nigella integrifolia	397,277	41.29	1,782	1,041.93	413,936,366
YZ0090	Ranunculaceae	Nigella orientalis	190,278	40.72	1,852	1,170.54	222,727,466
YZ0091	Ranunculaceae	Nigella papillosa	297,789	40.67	1,805	1,050.08	312,701,958
YZ0092	Ranunculaceae	Nigella sativa	333,805	42.03	1,292	757.11	252,726,076
YZ0093	Ranunculaceae	Nigella stricta	282,506	40.54	1,646	951.87	268,909,728
YZ0094	Ranunculaceae	Oxygraphis glacialis	187,728	41.92	1,809	1,100.82	206,655,659
YZ0097	Ranunculaceae	Paraquilegia microphylla	240,250	40.05	2,112	1,270.36	305,204,059

YZ0098	Menispermaceae	Paratinospora sagittata	264,267	40.69	1,827	1,115.82	294,875,611
YZ0099	Ranunculaceae	Pulsatilla vulgaris	97,912	43.48	1,400	896.56	87,784,280
YZ0102	Ranunculaceae	Ranunculus brotherusii	221,491	41.71	1,456	929.90	205,965,340
YZ0104	Ranunculaceae	Ranunculus cantoniensis	225,445	41.13	1,408	875.90	197,466,521
YZ0105	Ranunculaceae	Ranunculus carpaticola	127,397	41.86	1,166	774.96	98,727,191
YZ0106	Ranunculaceae	Ranunculus caucasicus	106,792	40.55	1,494	1,008.88	107,740,043
YZ0107	Ranunculaceae	Ranunculus notabilis	111,612	41.78	1,582	1,088.83	121,526,728
YZ0108	Ranunculaceae	Ranunculus sceleratus	244,049	41.47	1,608	970.92	236,952,615
YZ0109	Ranunculaceae	Ranunculus trichophyllus	251,909	40.75	1,630	1,064.40	268,132,925
YZ0110	Papaveraceae	Roemeria refracta	345,169	39.75	2,584	1,586.81	547,718,567
YZ0112	Menispermaceae	Stephania yunnanensis	306,655	41.19	2,165	1,225.64	375,849,218
YZ0113	Papaveraceae	Stylophorum diphyllum	193,219	42.37	1,300	845.06	163,281,644
YZ0116	Ranunculaceae	Trollius ranunculoides	108,392	42.69	2,013	1,263.31	136,932,684
YZ0117	Ranunculaceae	Urophysa henryi	231,620	40.04	2,150	1,327.10	307,383,255
YZ0118	Ranunculaceae	Urophysa rockii	202,415	39.85	2,025	1,292.50	261,620,597
YZ0119	Berberidaceae	Vancouveria hexandra	270,015	42.26	1,462	826.83	223,255,840
Total			61,487,655	NA	NA	NA	53,185,891,169
Average			192,751	41.19	1,489	858.00	166,726,932