

**Supplemental Table S 5.** Transcriptome annotation of Ranunculales plants using six public protein databases.

Sample ID	Family	Species	Nr	Swissprot	KEGG	COG	Pfam	GO	Overall
00132	Menispermaceae	Diploclisia affinis	45,705	33,299	36,012	35,614	34,385	29,691	47,701
00210	Menispermaceae	Stephania longa	40,158	30,463	32,057	32,151	30,800	25,970	41,560
00303	Lardizabalaceae	Akebia trifoliata subsp. australis	40,647	30,496	32,069	31,691	29,810	27,565	42,009
00392	Ranunculaceae	Anemone hupehensis	34,983	25,661	27,312	27,175	26,491	21,106	36,775
00626	Menispermaceae	Tinospora sagittata	42,295	29,607	32,551	31,567	29,488	23,715	47,568
00888	Menispermaceae	Tinospora sinensis	47,977	34,405	37,308	37,005	34,825	30,049	52,468
00910	Berberidaceae	Berberis atrocarpa	35,394	25,671	27,137	28,492	25,373	22,446	38,568
01159	Menispermaceae	Diploclisia glaucescens	35,676	25,757	27,785	27,347	25,906	22,742	37,445
01205	Berberidaceae	Mahonia bodinieri	47,316	35,366	37,507	36,965	34,240	30,421	48,926
01207	Ranunculaceae	Clematis apiifolia	39,258	29,363	30,709	30,316	28,155	24,362	40,768
07839	Ranunculaceae	Cimicifuga japonica	40,916	29,993	32,318	31,950	29,094	25,257	42,940
07886	Berberidaceae	Dysosma delavayi	30,384	21,769	23,802	23,618	22,641	18,336	32,672
07887	Ranunculaceae	Beesia calthifolia	41,879	30,058	32,785	32,433	28,966	25,071	43,939
07897	Berberidaceae	Berberis ziyunensis	40,806	29,468	31,916	31,455	29,206	25,599	42,460
07963	Berberidaceae	Epimedium myrianthum	48,911	34,118	38,225	40,311	32,746	29,716	57,012
07968	Berberidaceae	Epimedium boreali-guizhouense	43,788	30,999	34,467	36,238	29,890	26,907	50,983
07969	Berberidaceae	Epimedium simplicifolium	48,749	34,268	38,735	43,183	40,060	31,318	58,382
07970	Berberidaceae	Epimedium baojingense	49,332	33,906	38,590	43,042	34,420	30,741	58,073
07985	Berberidaceae	Mahonia oiwakensis	42,615	31,510	33,764	33,449	31,336	27,275	44,465
08000	Berberidaceae	Dysosma difformis	31,343	22,971	24,984	24,596	23,463	19,284	33,249
08013	Lardizabalaceae	Stauntonia obovatifoliola subsp. Urophylla	49,213	36,275	39,028	38,384	35,117	32,206	51,637
08047	Berberidaceae	Berberis cavaleriei	50,256	37,248	39,987	40,308	36,257	32,120	53,421
08059	Ranunculaceae	Clematis puberula var. ganpiniana	38,325	27,289	29,955	29,262	28,125	22,154	40,433
08105	Menispermaceae	Stephania epigaea	52,310	38,098	41,422	41,595	37,862	32,405	55,488
08121	Ranunculaceae	Clematis terniflora var. terniflora	60,036	45,766	48,713	47,865	46,531	30,471	61,654
08177	Berberidaceae	Mahonia eurybracteata	49,965	37,070	39,519	39,020	36,608	31,677	52,052
08256	Ranunculaceae	Anemone vitifolia	38,468	28,118	30,000	29,768	28,539	23,015	40,659
08260	Berberidaceae	Berberis kunmingensis	36,634	27,450	29,112	29,157	27,676	24,262	38,343
08514A	Berberidaceae	Epimedium davidii	62206	38114	33565	59831	58199	30731	66739
08580A	Ranunculaceae	Asteropyrum cavaleriei	73502	48492	44361	73731	71532	38764	81843
08734A	Berberidaceae	Epimedium leptorrhizum	30,332	22,120	23,907	24,291	22,666	18,897	33,220
08771A	Ranunculaceae	Anemone tomentosa	33,289	23,602	25,786	25,997	23,856	19,312	36,244
08784	Lardizabalaceae	Holboellia grandiflora	37,096	27,190	28,672	28,399	24,737	24,325	39,754
08889A	Ranunculaceae	Clematis lasiandra	30,866	22,062	23,860	23,461	22,398	18,307	32,831
08891A	Ranunculaceae	Ranunculus ficarifolius	45,761	29,567	33,872	31,540	28,130	31,454	59,494
08894A	Berberidaceae	Berberis silvicola	45,519	32,471	35,318	34,802	29,690	27,514	49,317
08895A	Berberidaceae	Berberis zanlanscianensis	82833	54091	50739	93897	91382	49492	100708
08914A	Berberidaceae	Berberis liophylla	46,240	32,999	35,482	34,973	29,707	27,878	50,036
08925A	Ranunculaceae	Clematis uncinata	38,051	27,619	30,031	29,296	28,166	22,732	39,974
08928A	Lardizabalaceae	Sinofranchetia chinensis	40,768	29,956	32,206	31,880	30,087	26,801	43,041
08951A	Berberidaceae	Mahonia decipiens	51,235	38,104	40,599	40,212	37,782	32,694	53,161
09032A	Ranunculaceae	Clematis kweichowensis	39335	25855	20711	39157	38034	19977	42960
09154A	Berberidaceae	Mahonia napaulensis	53,040	39,394	42,288	41,598	38,300	33,452	55,143
09155A	Berberidaceae	Mahonia polyodonta	53,779	40,062	42,790	42,285	38,618	33,869	56,040
09161A	Berberidaceae	Mahonia shenii	58,451	43,064	46,412	46,007	42,088	36,586	60,911
09265A	Berberidaceae	Mahonia gracilipes	167600	105411	107004	172999	169510	82429	190519
09334A	Ranunculaceae	Anemone flaccida	46,007	35,274	36,993	37,891	34,788	25,992	48,834
09383	Berberidaceae	Epimedium brachyrrhizum	36,042	26,313	28,461	29,690	27,856	22,925	40,550
09404	Ranunculaceae	Anemone begoniifolia	39,000	25,556	29,373	29,073	26,521	20,267	43,611
09679	Ranunculaceae	Thalictrum przewalskii	32,469	24,046	25,625	25,402	24,112	19,678	34,956
09688	Berberidaceae	Mahonia bracteolata	46,635	33,414	36,098	35,552	30,893	28,091	50,046
09701	Berberidaceae	Berberis thunbergii	52,739	37,583	40,962	41,044	34,141	31,857	57,522
09705	Ranunculaceae	Clematis peterae	34,979	25,514	27,460	26,797	25,314	20,789	37,332
09714	Berberidaceae	Berberis sublevis	46,488	33,146	35,646	35,323	30,212	28,111	49,940
09724	Berberidaceae	Mahonia subimbricata	48,280	34,258	37,559	36,969	31,470	28,557	52,375
09747	Berberidaceae	Epimedium epsteinii	41,204	29,621	32,354	34,736	30,598	25,743	47,675
09748	Berberidaceae	Epimedium dolichostemon	31,607	23,069	24,807	25,342	23,274	19,927	34,737
09751	Berberidaceae	Epimedium stellulatum	34,777	25,142	27,508	28,731	29,186	21,940	39,856
09757	Berberidaceae	Berberis integripetala	52,707	38,174	41,204	40,772	34,389	32,291	57,547
09766	Berberidaceae	Epimedium sagittatum var. glabratum	35,761	25,421	28,290	29,254	27,849	22,194	40,741

09767	Berberidaceae	Epimedium chlorandrum	40,005	28,359	31,382	33,538	30,550	25,107	46,339
09772	Berberidaceae	Epimedium fargesii	30,013	21,663	23,479	23,984	21,929	18,791	32,954
09773	Berberidaceae	Epimedium ecalcaratum	31,439	22,733	24,730	25,247	23,695	19,627	34,966
09823	Papaveraceae	Stylophorum lasiocarpum	40,167	27,146	29,810	29,523	26,326	22,380	42,557
09826	Ranunculaceae	Paeonia anomala subsp. veitchii	45,017	31,557	33,904	33,378	29,993	22,202	48,173
10378A	Berberidaceae	Mahonia breviflora	58,165	43,214	45,608	45,485	40,166	37,074	60,765
10465A	Papaveraceae	Eomecon chionantha	44,748	32,298	34,838	34,713	32,999	27,730	46,277
10478A	Berberidaceae	Epimedium lishihchenii	35,460	25,923	27,730	28,870	25,390	22,773	38,824
10499A	Berberidaceae	Dysosma versipellis	152115	83223	83767	156906	152534	77081	169908
10583A	Ranunculaceae	Thalictrum fortunei	67398	41911	37772	65847	64180	35978	74059
10661A	Lardizabalaceae	Stauntonia brunoniana	145576	88911	88196	148227	144617	79567	164729
10669A	Ranunculaceae	Thalictrum faberi	135607	81199	80169	131471	128338	72547	147162
10681A	Ranunculaceae	Aconitum finetianum	79454	51856	46763	82666	80345	43681	89741
10742A	Lardizabalaceae	Stauntonia chinensis	54,982	41,194	43,382	43,029	37,052	35,999	57,284
11097A	Ranunculaceae	Aquilegia ecalcarata	52075	32832	29748	52105	50661	27806	58307
11110A	Ranunculaceae	Aquilegia yabeana	42782	27229	23853	43236	41988	22845	48508
11113A	Ranunculaceae	Helleborus thibetanus	121368	61791	63068	126178	122000	59996	139861
11140A	Papaveraceae	Meconopsis quintuplinervia	134985	69014	70455	129009	125074	68678	150566
11264A	Berberidaceae	Berberis pruinosa	81,588	59,183	63,684	63,178	52,616	44,581	86,775
11296A	Berberidaceae	Berberis lempergiana	63,555	45,952	49,914	49,449	43,639	38,841	66,522
11326A	Ranunculaceae	Thalictrum fargesii	54,054	38,571	41,172	40,687	35,338	32,279	57,125
11354B	Lardizabalaceae	Stauntonia yaoshanensis	49,082	36,480	38,917	38,534	34,432	32,400	51,417
11374B	Ranunculaceae	Clematis henryi	46,324	33,587	36,479	36,146	32,589	27,547	49,404
11522A	Ranunculaceae	Clematis puberula var. tenuisepala	85135	53210	49078	84963	82826	44403	93837
11539A	Ranunculaceae	Thalictrum minus var. hypoleucum	84042	50779	48766	85866	83694	46949	95368
11578B	Ranunculaceae	Dichocarpum dalzielii	57,761	42,609	45,470	45,644	42,415	37,099	60,411
11648B	Menispermaceae	Pericampylus glaucus	64,677	47,519	51,197	50,870	46,859	42,051	67,260
12140A	Menispermaceae	Stephania dielsiana	48,529	35,332	38,500	38,721	35,737	29,908	51,380
12225A	Menispermaceae	Cyclea hypoglauca	53,434	38,598	42,457	42,102	38,236	31,896	56,704
12267A	Ranunculaceae	Clematis tinghuensis	44,484	32,120	34,656	34,196	31,365	26,646	46,213
12310A	Ranunculaceae	Coptis chinensis var. brevisepala	84130	48737	41891	76648	73997	44661	90586
12517B	Menispermaceae	Stephania hainanensis	41,121	30,198	32,410	32,504	30,186	25,295	42,978
12596A	Ranunculaceae	Clematis aethusifolia	55678	32864	28193	59136	57296	26694	63933
12597A	Ranunculaceae	Thalictrum petaloideum	91292	60929	50665	91300	88848	50568	99517
12603A	Ranunculaceae	Aconitum kusnezoffii	67416	43243	36851	76424	73848	35940	80949
12619A	Berberidaceae	Berberis amurensis	60035	41696	36226	66262	64287	36659	70763
12621A	Ranunculaceae	Aconitum barbatum var. puberulum	56454	37214	30390	60509	58498	30211	64776
12623A	Ranunculaceae	Clematis hexapetala	57212	32959	28649	61730	59717	27169	66053
12652A	Berberidaceae	Berberis poiretii	109676	60858	64850	106987	105069	62892	122634
12674A	Ranunculaceae	Clematis sibirica var. ochotensis	100335	62434	58548	99397	96822	60155	108437
12685A	Ranunculaceae	Anemone cathayensis	76632	43809	41304	75235	72973	37151	84489
12694A	Ranunculaceae	Trollius chinensis	49152	35476	29266	48425	47130	31235	52311
12695A	Ranunculaceae	Aconitum leucostomum var. hopeiense	56286	37773	29931	60270	58101	30083	64159
12699A	Papaveraceae	Corydalis speciosa	47015	33998	27199	48625	47229	27613	52228
12730A	Ranunculaceae	Thalictrum shensiense	51574	33448	28930	52596	51176	28215	58385
12731A	Ranunculaceae	Aconitum cannabifolium	59826	37844	31155	65275	63177	30223	69366
12739A	Papaveraceae	Corydalis ophiocarpa	62463	37944	32764	59083	57570	34105	67405
12745A	Papaveraceae	Hylomecon japonica	64582	41031	35196	66348	64894	35116	72398
12746A	Ranunculaceae	Ranunculus chinensis	51850	34873	29768	54608	53258	29743	58598
12748A	Ranunculaceae	Clematis shensiensis	48607	29680	24291	52082	50421	23538	55641
12753A	Ranunculaceae	Adonis sutchuenensis	86807	53211	49250	87244	84882	43956	95977
12754A	Papaveraceae	Stylophorum sutchuenense	54108	36325	29838	55779	54192	30094	61043
12779A	Berberidaceae	Berberis feddeana	58096	41256	35043	63522	61693	35486	67750
12787A	Papaveraceae	Meconopsis oliveriana	60433	36792	31286	59763	58105	31072	66460
12794A	Ranunculaceae	Ranunculus petrogeiton	68569	45858	40222	72545	70814	39968	78068
12803A	Papaveraceae	Corydalis linarioides	49063	33927	27497	53243	51745	27811	56798
12807A	Circaeasteraceae	Kingdonia uniflora	82348	43557	41968	69750	67793	41962	86327
12823A	Papaveraceae	Dicranostigma leptopodium	45280	30429	24618	43880	42621	24785	48873
12876A	Ranunculaceae	Trollius japonicus	45900	30493	25198	47305	46018	24278	51249
12909A	Berberidaceae	Berberis wilsoniae	58730	41711	36000	64107	62291	36525	68687
12919A	Ranunculaceae	Thalictrum delavayi	70957	42837	39867	73974	71999	39340	82168
12926A	Ranunculaceae	Thalictrum bouffordii	64162	37881	34440	62931	61437	34296	70988
12960A	Ranunculaceae	Thalictrum nepalense	55791	33997	29463	55807	54281	29149	62386

12974A	Ranunculaceae	<i>Caltha scaposa</i>	70359	44485	40076	78207	75896	38421	83611
12985A	Ranunculaceae	<i>Thalictrum finetii</i>	50605	31068	26584	50685	49353	26363	56403
12998A	Ranunculaceae	<i>Batrachium bungei</i>	199353	124937	127412	199680	195006	86614	222838
12999A	Ranunculaceae	<i>Ranunculus tanguticus</i>	69223	44163	39798	70053	68551	38135	76450
13004A	Papaveraceae	<i>Corydalis curviflora</i>	57284	37528	31705	63032	61353	31396	67241
13008A	Ranunculaceae	<i>Aconitum scaposum</i>	55553	37158	30403	59326	57448	29588	63524
13009A	Ranunculaceae	<i>Thalictrum uncatum</i>	40615	26559	21668	40029	38951	21539	44537
13016A	Berberidaceae	<i>Sinopodophyllum hexandrum</i>	50296	30042	24873	54636	52780	24284	58128
13031A	Ranunculaceae	<i>Clematis rehderiana</i>	46417	29261	23525	49092	47534	23039	52567
13062A	Ranunculaceae	<i>Aconitum gymnantrum</i>	67310	43357	37064	66805	65016	36689	73496
13063A	Ranunculaceae	<i>Clematis tangutica</i>	55424	34672	28970	56901	55274	27932	61904
13066A	Ranunculaceae	<i>Thalictrum atriplex</i>	78237	47300	44267	79742	77600	43257	89104
13088A	Ranunculaceae	<i>Aquilegia rockii</i>	55335	34660	31861	53203	51881	31874	60532
13089A	Ranunculaceae	<i>Delphinium tatsienense</i>	54767	35640	28341	58497	56652	27733	62646
13097A	Ranunculaceae	<i>Cimicifuga foetida</i> var. <i>foliolosa</i>	47188	29557	24390	49526	48093	23684	53489
13116A	Ranunculaceae	<i>Ranunculus ternatus</i>	77509	49588	44392	77058	75427	42583	85493
13134A	Ranunculaceae	<i>Thalictrum cultratum</i>	55679	33833	30003	56601	55130	29353	62747
13137A	Ranunculaceae	<i>Caltha palustris</i> var. <i>barthei</i>	79899	50223	46448	89109	86244	45274	95393
13139A	Ranunculaceae	<i>Aconitum crassiflorum</i>	83125	54258	46391	87800	84988	45238	94737
13140A	Ranunculaceae	<i>Aconitum pilopetalum</i>	88985	56173	54154	90403	88084	56191	97794
13143A	Ranunculaceae	<i>Aconitum brunneum</i>	53827	32348	26106	59056	56965	25535	62928
13163A	Papaveraceae	<i>Corydalis pseudosibirica</i>	46574	32792	26252	49994	48577	26455	53481
13165A	Ranunculaceae	<i>Aconitum pendulum</i>	56770	37484	30069	61364	59415	29564	65285
13182A	Papaveraceae	<i>Meconopsis racemosa</i>	112164	63820	62823	106426	103476	61301	122482
13196A	Papaveraceae	<i>Corydalis pseudotongolensis</i>	44162	29734	24115	44402	43244	24280	48634
13202A	Ranunculaceae	<i>Thalictrum foetidum</i>	108285	56432	57482	97902	96224	56491	114401
13214A	Papaveraceae	<i>Corydalis adunca</i>	37854	27401	20649	39466	38413	21308	42351
13216A	Ranunculaceae	<i>Thalictrum smithii</i>	52765	31869	27489	49134	47629	27161	55953
13271A	Berberidaceae	<i>Berberis gyalaiica</i>	146916	91100	89105	148773	145491	83669	163215
59	Menispermaceae	<i>Stephania kwangsiensis</i>	52,332	36,072	39,985	37,717	37,205	30,536	58,672
BN01259	Menispermaceae	<i>Stephania japonica</i>	33,276	24,462	26,230	25,979	24,247	20,592	35,994
BN01422	Menispermaceae	<i>Cocculus laurifolius</i>	54,035	37,792	42,606	43,650	38,431	32,703	61,705
BN01692	Menispermaceae	<i>Fibraurea recisa</i>	37,650	26,889	29,167	28,963	27,112	23,592	41,513
BN01829	Ranunculaceae	<i>Clematis parviloba</i>	35,415	24,448	27,430	26,622	24,915	19,540	37,924
BN01830	Menispermaceae	<i>Arcangelisia gusanlung</i>	36,112	25,842	28,072	27,893	27,211	22,685	39,355
BN01845	Ranunculaceae	<i>Clematis subumbellata</i>	32,538	22,515	25,272	24,535	22,969	18,172	34,683
BN01846	Menispermaceae	<i>Cyclea polypetala</i>	36,920	25,891	28,580	27,995	26,126	21,970	39,980
BN01858	Ranunculaceae	<i>Clematis menglaensis</i>	37,759	26,199	29,510	29,282	26,723	21,173	41,309
BN01859	Ranunculaceae	<i>Clematis chingii</i>	32,841	23,144	25,576	24,817	23,439	18,871	34,850
BN01922	Menispermaceae	<i>Eleutharrhena macrocarpa</i>	42,596	30,573	33,553	33,269	29,641	26,190	47,195
CC00440A	Ranunculaceae	<i>Pulsatilla chinensis</i>	35,488	26,623	28,174	27,938	26,880	22,079	36,775
CC00446A	Ranunculaceae	<i>Ranunculus repens</i>	47,247	35,176	37,561	37,146	35,040	28,043	50,224
CC00479A	Papaveraceae	<i>Dicentra spectabilis</i>	46,075	33,622	36,290	36,293	33,786	29,214	48,717
CC00494A	Ranunculaceae	<i>Aconitum coreanum</i>	50,527	37,147	39,941	40,015	36,870	31,765	52,873
CC00505A	Ranunculaceae	<i>Pulsatilla cernua</i>	35,911	26,950	28,602	28,434	27,033	22,673	37,280
CD00559	Berberidaceae	<i>Mahonia retinervis</i>	43,778	31,756	34,180	33,774	29,327	26,973	47,185
CQ00662	Papaveraceae	<i>Macleaya cordata</i>	34,456	24,286	26,082	25,957	24,970	19,900	37,567
CQ00773	Berberidaceae	<i>Berberis virgetorum</i>	44,908	32,036	34,910	34,286	29,142	26,953	48,252
CQ00776	Berberidaceae	<i>Berberis julianae</i>	44,168	31,953	34,306	33,803	29,308	27,149	47,056
CQ00784	Ranunculaceae	<i>Aconitum sinomontanum</i>	42,454	30,314	33,266	32,830	28,813	24,644	45,001
CQ00787	Papaveraceae	<i>Chelidonium majus</i>	35,714	24,972	26,929	26,674	24,267	19,948	38,108
CQ00790	Ranunculaceae	<i>Coptis chinensis</i>	37,689	27,370	29,654	29,621	26,221	22,449	40,748
CQ00791	Papaveraceae	<i>Corydalis tomentella</i>	33,879	24,979	26,981	26,807	25,455	20,799	36,427
CQ00838	Papaveraceae	<i>Corydalis sheareri</i>	33,199	24,002	25,695	25,418	23,403	19,776	35,827
CQ00918	Berberidaceae	<i>Berberis gagnepainii</i>	47,117	33,804	36,442	35,926	30,576	28,688	50,280
CQ00921	Papaveraceae	<i>Papaver rhoeas</i>	33,199	24,002	25,695	25,418	23,403	19,776	35,827
CQ00940	Menispermaceae	<i>Cocculus orbiculatus</i>	44,420	31,419	34,663	35,475	33,685	27,839	50,853
CQ00952	Berberidaceae	<i>Epimedium sagittatum</i>	29,299	21,152	22,885	22,879	20,884	17,889	32,559
CQ00966	Ranunculaceae	<i>Semiaquilegia adoxoides</i>	30,953	23,114	24,573	24,624	23,170	19,378	33,632
CQ01025	Berberidaceae	<i>Mahonia fordii</i>	46,249	33,271	35,716	35,193	30,298	28,125	49,536
CQ01036	Berberidaceae	<i>Mahonia sheridaniana</i>	45,530	32,530	35,352	34,921	29,651	27,175	49,243
CQ01174	Menispermaceae	<i>Stephania cephalantha</i>	47,147	33,926	37,139	36,843	33,604	28,489	49,811
CS00127	Berberidaceae	<i>Mahonia eurybracteata</i> subsp. <i>ganpinensis</i>	52,587	38,556	41,815	41,152	38,123	32,673	55,019

CS00128	Berberidaceae	Berberis soulieana	49,702	36,795	39,449	38,729	35,959	31,302	51,640
CS00131	Berberidaceae	Mahonia fortunei	51,937	38,564	41,474	40,839	37,682	32,717	54,159
CS00230	Lardizabalaceae	Akebia quinata	46,057	34,188	36,330	35,795	33,036	30,458	48,319
CS00280	Berberidaceae	Berberis thunbergii 'Atropurpurea'	41,397	30,675	32,882	32,413	31,030	26,544	42,947
EM00020	Lardizabalaceae	Holboellia coriacea	40,957	29,410	31,993	31,364	27,719	25,832	44,705
EM00036	Papaveraceae	Corydalis edulis	31,259	22,588	24,089	23,982	22,615	18,962	33,531
EM00060	Lardizabalaceae	Akebia trifoliata	38,696	28,416	30,381	30,063	26,767	24,942	42,209
EM00104	Menispermaceae	Sinomenium acutum	81018	51584	47958	85188	82713	47592	93304
EM00105	Ranunculaceae	Clematis urophylla	78504	45263	41564	83698	81112	36368	90528
EM00109	Berberidaceae	Epimedium acuminatum	154809	91159	89703	147654	144765	75419	166499
EM00127	Lardizabalaceae	Decaisnea insignis	42,723	30,877	33,007	34,045	28,752	28,496	47,903
EM00142	Ranunculaceae	Clematis apiifolia var. argentilucida	27,703	20,539	21,663	21,275	21,364	17,303	29,065
EM00156	Menispermaceae	Stephania tetrandra	28,124	20,877	22,158	22,184	20,456	17,791	29,860
EM00195	Menispermaceae	Tinospora sagittata var. craveniana	31,136	22,688	24,197	24,072	23,424	19,877	33,661
EM00204	Ranunculaceae	Clematis finetiana	30,401	22,381	23,718	23,390	22,126	18,691	32,216
EM00218	Ranunculaceae	Thalictrum ramosum	28,523	20,927	22,296	21,981	20,729	17,372	30,265
EM00244	Ranunculaceae	Ranunculus sieboldii	42,516	30,729	33,125	34,319	30,911	25,498	46,854
EM00268	Menispermaceae	Cyclea racemosa	31,210	23,047	24,591	24,531	23,106	19,390	33,524
HH00984	Ranunculaceae	Aconitum monanthum	108329	60312	53182	93456	91360	49183	113266
HH00994	Ranunculaceae	Clematis fruticosa	62711	37719	33858	64881	62959	30092	70450
HH01018	Ranunculaceae	Caltha palustris	81141	51727	47458	86198	83447	45391	93598
HRB0047	Ranunculaceae	Clematis brevicaudata	55418	33157	28531	59481	57658	27728	63453
HRB0063	Ranunculaceae	Clematis manshurica	78005	43183	39271	74116	72267	40143	84645
HRB0111	Berberidaceae	Berberis ferdinandi-coburgii	91778	60163	57503	96448	94088	53894	105403
HRB0204	Ranunculaceae	Ranunculus japonicus	77959	53134	48064	77985	75602	45706	85524
HRB0324	Berberidaceae	Berberis koreana	63195	43664	39114	69069	67123	38391	74008
SY00867	Papaveraceae	Argemone mexicana	42850	31160	24326	43863	42436	25713	47515
SY00890	Ranunculaceae	Thalictrum minus	89862	52402	51214	93933	91434	50395	103935
SY00927	Lardizabalaceae	Stauntonia leucantha	62911	41933	37225	68637	66392	36857	74001
TLF00928	Ranunculaceae	Clematis orientalis	36,654	25,408	28,822	32,048	28,137	21,454	42,660
TLF01005	Ranunculaceae	Clematis songorica	44536	28389	22950	46935	45583	22302	50551
TLF01018	Berberidaceae	Berberis nummularia	60969	41448	37160	69015	67113	37647	73512
XA00077	Berberidaceae	Nandina domestica var. leucocarpa	43,335	27,177	33,072	32,208	27,560	22,181	48,734
XA00103	Berberidaceae	Mahonia bealei	45,085	31,832	34,958	34,631	29,015	26,907	48,809
XA00201	Berberidaceae	Epimedium brevicornu	57052	33922	29466	59987	57785	27898	64748
XA00224	Berberidaceae	Nandina domestica	60522	30767	27658	68010	65553	25918	72341
XA00244	Ranunculaceae	Aconitum carmichaelii	86137	53050	46967	96293	93260	45433	102360
XA00278	Papaveraceae	Macleaya microcarpa	40776	27896	21369	39352	38202	21521	44113
XA00290	Ranunculaceae	Clematis heracleifolia	112810	66634	65323	111865	109500	62554	122460
XA00577	Eupteleaceae	Euptelea pleiosperma	37,369	26,687	29,215	28,226	25,552	23,907	39,901
XY00762	Menispermaceae	Menispermum dauricum	42,158	29,956	32,154	31,637	28,817	26,565	44,894
YZ0002	Ranunculaceae	Aconitella aconiti	46698	32744	25291	47745	46272	25579	51186
YZ0005	Ranunculaceae	Actaea mairei	65786	41237	39538	63707	62050	38740	69656
YZ0007	Ranunculaceae	Actaea vaginata	48079	31130	26667	46073	44799	26317	50928
YZ0008	Ranunculaceae	Adonis amurensis	48948	28397	23470	51596	49774	22684	55938
YZ0009	Ranunculaceae	Adonis sibirica	37227	25619	20550	36842	35715	20546	40028
YZ0010	Ranunculaceae	Anemoclema glaucifolium	40409	27446	21523	40751	39466	21263	44270
YZ0011	Ranunculaceae	Anemone patens	63418	25827	23820	72372	68855	23826	78255
YZ0012	Ranunculaceae	Aquilegia coerulea	37111	24033	18325	34852	33812	18064	39175
YZ0013	Ranunculaceae	Asteropyrum peltatum	98243	56693	56605	95437	93015	49213	106754
YZ0014	Berberidaceae	Berberis aquifolium	114452	69021	64875	107556	104457	61194	122219
YZ0016	Berberidaceae	Berberis shensiana	122164	72267	69004	121286	118114	67023	138191
YZ0017	Ranunculaceae	Callianthemum alatavicum	41956	27231	21789	43331	41918	21770	46685
YZ0018	Ranunculaceae	Callianthemum taipaicum	41277	26790	22055	42720	41451	21647	45949
YZ0019	Papaveraceae	Cnapiodes sempervirens	37014	26075	19821	35788	34643	21177	38595
YZ0020	Circaeasteraceae	Circaeaster agrestis	72209	42525	39085	74044	71527	39814	80944
YZ0021	Menispermaceae	Cissampelos mucronata	41091	27598	20955	41885	40768	21618	45107
YZ0022	Ranunculaceae	Clematis lanuginosa	34135	21647	18361	34012	32893	18402	37191
YZ0023	Ranunculaceae	Clematis patens	80933	42982	42692	87665	84665	40822	94103
YZ0025	Menispermaceae	Cocculus trilobus	69075	46623	38216	71392	69063	38681	76242
YZ0026	Ranunculaceae	Coptis deltoidea	52359	31850	26436	49057	47696	25397	56529
YZ0027	Ranunculaceae	Coptis teeta	61714	36383	32686	58057	56451	30046	66759
YZ0030	Papaveraceae	Corydalis cheilanthisifolia	64143	47880	37170	62403	60587	37944	67098

YZ0035	Papaveraceae	Corydalis yanhusuo	63409	40250	35064	65606	63969	33893	71642
YZ0038	Papaveraceae	Dactylicapnos scandens	38061	26944	20195	38474	37360	20926	41574
YZ0039	Papaveraceae	Dactylicapnos torulosa	30932	20151	16505	34353	33091	16793	36673
YZ0041	Ranunculaceae	Delphinium cardinale	49685	28255	26853	52308	50657	27021	56506
YZ0042	Ranunculaceae	Delphinium elatum	54872	36115	28573	58827	56780	28429	62434
YZ0043	Ranunculaceae	Delphinium grandiflorum var. chinense	28908	20211	15498	29927	28932	15390	32065
YZ0044	Ranunculaceae	Delphinium hybrid cultivar	24696	17345	13054	24467	23649	13355	26326
YZ0045	Ranunculaceae	Delphinium nudicaule	35298	21411	16701	38609	37244	16486	41106
YZ0046	Papaveraceae	Dendromecon rigida	62182	43032	37315	65069	62867	38750	69998
YZ0047	Berberidaceae	Diphylleia cymosa	49088	32723	28788	49611	48210	29558	53345
YZ0048	Berberidaceae	Diphylleia grayi	69698	47555	39078	69233	66878	40874	74227
YZ0049	Berberidaceae	Diphylleia sinensis	48701	31720	26051	49218	47582	25710	53328
YZ0050	Berberidaceae	Dysosma aurantiocaulis	66254	37894	35628	66575	64313	34509	72584
YZ0051	Berberidaceae	Dysosma pleiantha	57111	32789	27850	58714	56767	26583	62820
YZ0052	Berberidaceae	Dysosma tsayuensis	39247	25488	20450	40388	39026	20128	43148
YZ0054	Berberidaceae	Epimedium koreanum	92662	59425	54080	92339	90266	43732	100373
YZ0055	Berberidaceae	Epimedium pseudowushanense	49504	29616	26373	51224	49419	21708	54654
YZ0056	Berberidaceae	Epimedium pubescens	35399	25450	18989	35070	33953	19604	37525
YZ0057	Ranunculaceae	Eranthis hyemalis	44169	26927	21803	46969	45383	21487	50381
YZ0058	Papaveraceae	Eschscholzia californica	29440	21158	15259	29638	28790	16489	32004
YZ0059	Papaveraceae	Fumaria bracteosa	65792	41235	39546	63711	62053	38749	69654
YZ0060	Ranunculaceae	Garidella nigellastrum	25992	19099	14747	27727	26908	15467	29869
YZ0061	Ranunculaceae	Garidella unguicularis	41711	27751	22250	42251	40898	20765	45751
YZ0062	Papaveraceae	Glaucium flavum	41424	28166	22212	42227	40969	21677	45788
YZ0063	Berberidaceae	Gymnospermium kiangnanense	46112	30757	24991	49320	47853	24694	52738
YZ0064	Ranunculaceae	Halerpestes cymbalaria	37431	25119	19481	36498	35452	19664	39967
YZ0065	Ranunculaceae	Helleborus argutifolius	44790	29812	24173	46130	44443	24262	49664
YZ0066	Ranunculaceae	Helleborus atrorubens	47129	32322	25946	48627	46930	26811	52233
YZ0067	Ranunculaceae	Helleborus foetidus	47403	29982	24486	49124	47322	24485	52918
YZ0068	Ranunculaceae	Helleborus lividus	52646	32980	27486	56124	54006	27900	60124
YZ0069	Ranunculaceae	Helleborus torquatus	49007	33469	26852	51066	49340	27612	54838
YZ0070	Ranunculaceae	Hepatica henryi	48213	30867	25744	49544	48061	25679	53630
YZ0071	Ranunculaceae	Hepatica nobilis var. japonica	38412	23238	19267	39769	38537	19031	42680
YZ0073	Papaveraceae	Hypecoum procumbens	39628	27553	21359	39372	38158	22630	42127
YZ0074	Berberidaceae	Jeffersonia diphylla	34999	23363	17028	35653	34431	17515	38433
YZ0075	Ranunculaceae	Komaroffia diversifolia	43616	28748	23151	45794	44199	22472	49118
YZ0076	Ranunculaceae	Leptopyrum fumarioides	34432	24193	18766	34347	33356	18826	37500
YZ0079	Menispermaceae	Menispermum canadense	35328	22123	19217	38568	37135	19691	41821
YZ0080	Ranunculaceae	Nigella arvensis	64066	37855	35275	64461	62718	34293	71147
YZ0081	Ranunculaceae	Nigella carpatha	49083	30884	25901	53147	51719	24996	56947
YZ0082	Ranunculaceae	Nigella ciliaris	46558	31200	25615	47072	45702	25629	51038
YZ0083	Ranunculaceae	Nigella damascena	24132	16054	12071	25082	24320	12309	26841
YZ0084	Ranunculaceae	Nigella degenii	48654	31301	26015	51388	50110	24656	55249
YZ0085	Ranunculaceae	Nigella doerfleri	39916	25700	21848	41812	40589	20881	44715
YZ0086	Ranunculaceae	Nigella elata	51886	33347	28052	54643	53237	25856	58817
YZ0087	Ranunculaceae	Nigella fumariifolia	48551	30654	26034	50563	49097	24092	54436
YZ0088	Ranunculaceae	Nigella icarica	49127	31798	26743	52202	50843	25766	56014
YZ0089	Ranunculaceae	Nigella integrifolia	40267	25502	21988	44972	43492	20506	47951
YZ0090	Ranunculaceae	Nigella orientalis	42487	28608	22603	42948	41607	21722	46419
YZ0091	Ranunculaceae	Nigella papillosa	57546	35927	32822	60260	58755	32322	64949
YZ0092	Ranunculaceae	Nigella sativa	91008	53353	49958	84813	82533	48324	97719
YZ0093	Ranunculaceae	Nigella stricta	56352	33829	29504	57731	56184	29171	62976
YZ0094	Ranunculaceae	Oxygraphis glacialis	51432	34043	28747	50345	49031	28302	55189
YZ0097	Ranunculaceae	Paraquilegia microphylla	50385	31875	26947	49254	47901	26538	54741
YZ0098	Menispermaceae	Paratinospora sagittata	48760	34350	27013	49945	48400	27687	53805
YZ0099	Ranunculaceae	Pulsatilla vulgaris	37336	25771	20413	36560	35441	20870	39314
YZ0102	Ranunculaceae	Ranunculus brotherusii	45483	29483	23312	45912	44774	23514	49737
YZ0104	Ranunculaceae	Ranunculus cantoniensis	47693	30914	25151	48022	46773	25100	52411
YZ0105	Ranunculaceae	Ranunculus carpaticola	44235	29802	24199	44290	43148	24834	47630
YZ0106	Ranunculaceae	Ranunculus caucasicus	25153	17701	13872	25346	24696	13910	27332
YZ0107	Ranunculaceae	Ranunculus notabilis	26173	19175	14350	25769	25104	14282	27728
YZ0108	Ranunculaceae	Ranunculus sceleratus	53449	34046	27595	53927	52507	27168	58531
YZ0109	Ranunculaceae	Ranunculus trichophyllus	46332	31786	24216	47127	46042	24639	50847

YZ0110	Papaveraceae	Roemeria refracta	42119	23435	20663	38964	38257	20602	45911
YZ0112	Menispermaceae	Stephania yunnanensis	30961	21227	17234	32830	31957	17351	35671
YZ0113	Papaveraceae	Stylophorum diphyllum	63819	43401	35117	60246	58520	36057	66089
YZ0116	Ranunculaceae	Trollius ranunculoides	32242	22325	17184	31385	30359	17279	34219
YZ0117	Ranunculaceae	Urophysa henryi	56061	39073	33081	54783	53209	33666	60002
YZ0118	Ranunculaceae	Urophysa rockii	47712	31606	26603	46322	45064	26331	51184
YZ0119	Berberidaceae	Vancouveria hexandra	33156	20612	15973	35498	34158	15595	37675

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