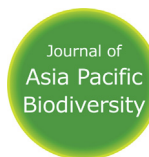


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Original article

Distribution of vascular plants along the altitudinal gradient of Gyeongsan (Mt.) in Korea



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ABSTRACT

This study was conducted to examine the distribution of vascular plants along the altitudinal gradient and investigation routes of Gyeongsan (Mt.) in Korea. The total number of flora of Gyeongsan (Mt.) was 510 taxa in total, comprising 83 families, 283 genera, 449 species, four subspecies, 52 varieties and five forms. In the flora of this area, 14 taxa were Korean endemic plants and 17 taxa were rare plants. Naturalized plants in Korea numbered 27 taxa. The number of vascular plants monotonically decreased with increasing altitude. In contrast, the rare plants mostly increased with increasing altitude. The endemic plants of Korea did not show any special pattern by altitude gradient. The naturalized plants were mainly distributed at the open area below 1000 m.

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Introduction

Gyeongsan (Mt.) (1577 m) has a latitude of 37° measured at 42'12"–46'15" north and a longitude of 128° measured at 26'15"–30'00" east in the northeastern part of the Korean peninsula. Gyeongsan (Mt.) borders with Jinbu-myeon in Pyeongchang-gun and Nae-myeon in Hongcheon-gun, Gangwon-do. The mountain is situated in the middle of the Baekdudaegan Range extending from Seoraksan (Mt.) (1708 m) to Taebaeksan (Mt.) (1657 m), as well as reaching in all directions to small and large steep peaks >1000 m, such as Sogyebangsan (Mt.) (1490 m), Odaesan (Mt.) (1563 m), Hwangbyeongsan (Mt.) (1407 m), Baekjeoksan (Mt.) (1141 m), Taegisan (Mt.) (1261 m), and Bangtaesan (Mt.) (1444 m).

Gyeongsan (Mt.) has its water system with Gyeongcheon (Stream) flowing from its north valley to Soyonggang (River) and with Pyeongchanggang (River) flowing down through a south valley, which is a branch of the Namhangang (River). The soil in Gyeongsan (Mt.) mainly consists of granite gneiss, and has brown forest soils, great in depth, containing a lot of organic matter (Lee et al., 2006). In recent 5 years (2007–2011), the climate has shown an annual average temperature of 8.1 °C and annual average precipitation of 1028.7 mm, and the survey area belongs to the middle inland climate region among the climate regions in the Korean peninsula (Hongcheon County 2012, Table 1).

As a result of a flora survey in and around Gyeongsan (Mt.), Jo (1981) reported 717 taxa, while The Korean Association for Conservation of Nature (1982) reported 227 taxa and conducted a comprehensive geological, ecological, and biota survey in Gyeongsan (Mt.) the mountain. Ko et al., (1991) conducted a survey by dividing the study area into three sections by altitude and recorded 572 plant taxa Gyeongsan (Mt.) from the mountain. Shin et al. (1996) confirmed 547 taxa Gyeongsan (Mt.) from the mountain, reporting the distribution by altitude and the endangered level for major species. In addition, Kim et al. (2010) reported 334 taxa for the plants growing in and around Gyeongsan (Mt.) in his study on vascular plants in Hongcheon-gun. The Northern Regional Office of the Korea Forest Service (2011) conducted a vegetation survey in the forest

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Table 1
Annual mean temperature and annual precipitation of Hongcheon.

	2007	2008	2009	2010	2011	Average
Annual mean temperature (°C)	8.8	8.0	7.9	8.4	7.4	8.1
Annual precipitation (mm)	1110	780.8	1000.4	847.9	1404.2	1028.7

genetic resources conservation reserve by selecting and surveying 96 survey sections to confirm the plant distribution of 435 taxa.

As mentioned above, there have been a variety of ecological surveys and plant distribution surveys in and around Gyeongsan (Mt.) until recently. However, these previous studies did not present the depositories and collection numbers of the voucher specimens, except *Ko et al. (1991)* and *Kim et al. (2010)*. Therefore, they suffer from the deficiency of the objectivity of plant identification. Many of the previous studies limited the survey areas or adopted only a broad-brush approach, and did not mention the specific trend in the distribution of each plant Gyeongsan (Mt.) from the surveyed sites.

The purpose of the present study was to provide specific information on plant distribution as a whole, with better understanding of the trends in distribution and growing environment of each plant. We also aimed to provide the basic materials necessary to study the change in plant distribution induced by climate change by examining the distributional pattern of each plant by altitude and direction of growth in and around Gyeongsan (Mt.).

Materials and methods

The survey was conducted in and around the survey area of Gyeongsan (Mt.) (Figure 1) from April to September 2012 (Table 2). For accuracy of the results, only the organisms with generative organs such as flowers, fruits, and spores were in principle collected before each collection was numbered. Then, dry

specimens were made and identified based on the flora guides (*Lee, 1980, 1996a, 1996b, 2003a, 2003b*) to make a list. The global positioning system (GPS) information of distribution was secured and the specimens were made and maintained in the Korea National Herbarium of the Korea National Arboretum. Scientific and Korean names were referred to the Korea Standard Flora List (*Korea National Arboretum, 2012*), while identification of Korean endemic plants followed *Oh et al. (2005)* and rare plants “Rare plants Data Book in Korea” (*Korea National Arboretum, 2008*). Certain plants were categorized referring the list designated by the *Ministry of Environment (2006)*, and naturalized plants were classified according to *Park (1995, 2001, 2009)*.

Understanding the plant distribution by altitude and direction required surveying all plants found in the survey area at 200 m above sea level through the survey routes (Figure 1, Table 3). The voucher specimens were collected only once when a different species was recognized. The overlapping taxa were written down on field notes. To minimize errors in plant identification, such recorded plant names were compared and reviewed with the identification results of evident specimens, and only those that were consistent were considered and reflected in the results.

Results

Entire flora

The result of the flora survey in and around Gyeongsan (Mt.) explicitly revealed the distribution of 510 taxa, with a total of 83 families, 283 genera, 449 species, three subspecies, 52 varieties, and five forms, with 1557 evident specimens obtained (Table 4, Appendix 1). They included: 27 taxa of pteridophyta (5%), eight taxa of gymnospermae (2%), and 376 taxa of dicotyledoneae (74%) and 99 taxa of monocotyledoneae (19%) in angiospermae.

The result of the comprehensive review of the previous flora literature in the survey area (*Jo, 1981*; *The Korean Association for Conservation of Nature, 1982*; *Ko et al., 1991*) reported the

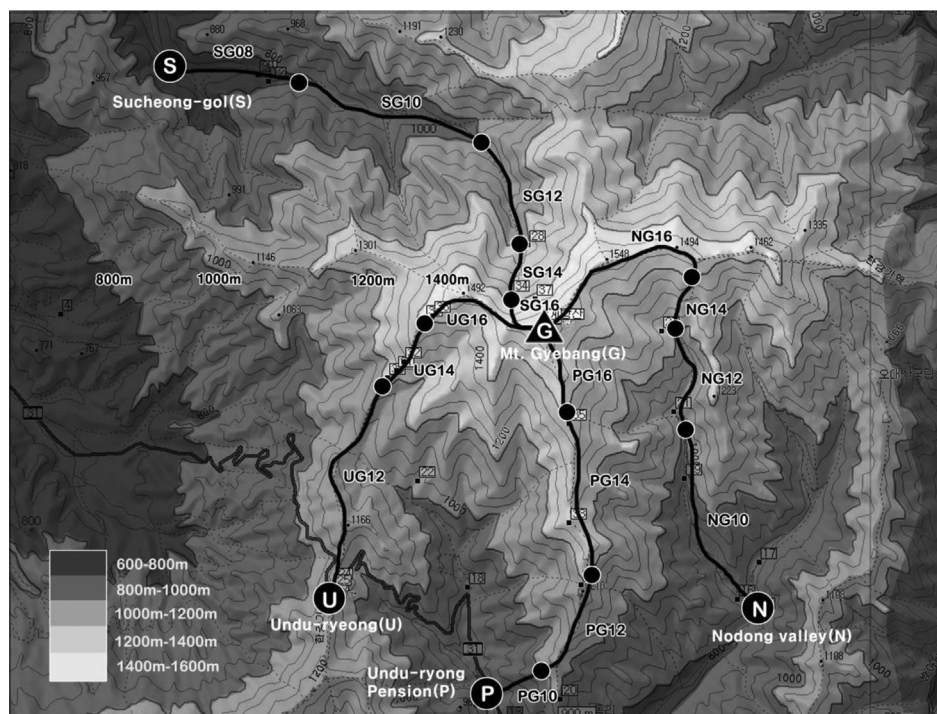


Figure 1. Map of the surveyed areas in Gyeongsan (Mt.).

Table 2
Investigation dates and routes.

No.	Date	Routes in Mt. Gyeong
1	Apr 18, 2012	A: Undu-ryeong (U) → Summit Mt. Gyeong (G) → Nodong valley (N) B: Nearby region of Sucheong-gol (S)
2	May 23, 2012	A: Undu-ryeong (U) → Summit Mt. Gyeong (G) → Sucheong-gol (S) B: Nodong valley (N) → Summit Mt. Gyeong (G) → Undu-ryeong pension (P)
3	July 17, 2012	Nearby region of Undu-ryeong pension (P), Nodong valley (N) (800–1000 m)
4	Aug 23, 2012	A: Undu-ryeong (U) → Summit Mt. Gyeong (G) → Undu-ryeong (U) B: Nearby region of Nodong valley (N), Sucheong-gol (S) (600–800 m)
5	Sep 26, 2012	A: Undu-ryeong (U) → Summit Mt. Gyeong (G) → Sucheong-gol (S) B: Nearby region of Nodong valley (N), Sucheong-gol (S)

distribution of 1067 taxa in total in and around Gyeong (Mt.), while the present survey reconfirmed 440 taxa; 41% of those reported in the previous flora literature, and 70 new taxa. The newly confirmed plants were divided by taxonomic group into: five taxa of pteridophyta, 33 taxa of dicotyledoneae, and 33 taxa of monocotyledoneae. Among the monocotyledoneae, 29 new taxa belonging to gramineae and cyperaceae were confirmed, including *Melica grandiflora*, *Carex erythrobasis*, and *Carex stipata*, occupying 41% of the newly confirmed taxonomic groups. In addition, there were 11 taxa of naturalized plants such as *Fallopia convolvulus*, *Cuscuta pentagona*, and *Agropyron repens*.

Plant distribution in specific regions

Plant distribution by altitude

The plant distribution by altitude in and around Gyeong (Mt.) was confirmed: 195 taxa between 600 and 800 m, 315 taxa between 800 and 1000 m, 241 taxa between 1000 and 1200 m, 196 taxa between 1200 and 1400 m, and 131 taxa between 1400 and 1600 m, indicating the decrease in the taxonomic groups as altitude increased, except for the section between 600 and 800 m (Figure 2).

The plants that limited their distribution to the altitude between 600 and 800 m included: naturalized plants such as *Agropyron repens* and *Fallopia convolvulus*, as well as 42 other taxa such as *Waldsteinia ternata*, *Salix koriyanagi*, *Woodsia macrochlaena*, *Muhlenbergia huegelii*, *Clematis patens*, *Leonurus japonicus*, and *Asarum versicolor*.

The plants distributed between 800 and 1000 m included: 19 taxa of naturalized plants such as *Erigeron annuus*, *Rudbeckia laciniata* var. *hortensis*, *Poa compressa*, and *Lolium perenne*; 70% of 27 taxonomic naturalized plants in total were found in this survey. Furthermore, 90 taxonomic groups were founded limited to the altitude between 800 and 1000 m, including: *Persicaria longiseta*, *Hypericum erectum*, *Eragrostis ferruginea*, *Solanum nigrum*, *Juncus*

tenuis, *Arabis pendula*, *Patrinia scabiosaefolia*, *Picris hieracioides* var. *koreana*, *Lonicera vidalii*, *Festuca rubra*, *Lysimachia vulgaris* var. *davurica*, and *Cryptotaenia japonica*.

The plants that limited their distribution to the altitude between 1000 and 1200 m included: 19 taxa such as *Poa matsumurae*, *PolYGONATUM humile*, *Codonopsis lanceolata*, *Prunus sargentii*, *Gentiana scabra*, *Heloniopsis koreana*, and *Disporum viridescens*.

The plants that limited their distribution to the altitude between 1200 and 1400 m included: 12 taxa such as *Eleutherococcus senticosus*, *Sisymbrium luteum*, *Lonicera caerulea* var. *edulis*, and *Arachniodes borealis*.

The plants that limited their distribution to the altitude between 1400 and 1600 m included: 20 taxa such as *Ligularia fischeri*, *Patrinia saniculaefolia*, *Geranium eriostemon*, *Viola orientalis*, *Saussurea tanakae*, *Oplopanax elatus*, and *Veronica rotunda* var. *subintegra*.

Plant distribution along the survey routes

The survey route of Nodong valley to Gyeong (Mt.) (NG) confirmed 292 taxa; the route from Undu-ryong Pension to Gyeong (Mt.) (PG) confirmed 255 taxa; the route from Undu-ryong to Gyeong (Mt.) (UG) confirmed 224 taxa; and the route from Sucheong gol to Gyeong (Mt.) (SG) confirmed 254 taxa, indicating the even distribution of more than 44% of plants confirmed in the survey areas (Figure 3). NG route had distribution of 44 taxa in and around the southern valley such as *Cimicifuga foetida*, *Arabis pendula*, and *Syringa reticulata* var. *mandshurica*; PG route had a limited distribution of 54 taxa in the southern ridge such as *Thalictrum rochebrunianum* var. *grandisepalum*, *Oplopanax elatus*, *Lonicera caerulea* var. *edulis*, and *Lonicera vidalii*. Also, UG route showed a limited distribution of 24 taxa in the western ridge such as *Arachniodes borealis*, *Sisymbrium luteum*, *Veronica rotunda* var. *subintegra*, and *Heloniopsis koreana*; and SG route had a limited distribution of 57 taxa in the northern valley such as *Populus koreana*, *Salix maximowiczii*, *Picea jezoensis*, and *Thuja koraiensis*.

Distribution of major plants

Rare plants

The rare and endangered plants out of the surveyed taxonomic groups comprised 24 taxa in total. Endangered species (EN) with one taxon such as *Oplopanax elatus*; vulnerable species (VU) with six taxa such as *Picea jezoensis*, *Thuja koraiensis*, and *Iris odaesanensis*; and least concern species (LC) with 17 taxa such as *Rhododendron brachycarpum*, *Rodgersia podophylla*, and *Maianthemum dilatatum*. The taxonomic groups were indicated by altitude: three taxa between 600 and 800 m; seven taxa between 800 and 1000 m; 11 taxa between 1000 and 1200 m; 18 taxa between 1200 and 1400 m; and 14 taxa between 1400 and 1600 m, while the species only distributed over 1000 m comprised 16 confirmed taxa (66%). In particular, *Oplopanax elatus* (EN) was observed in PG16 area; *Picea jezoensis* (VU) was observed in SG12 and 14 areas; *Thuja koraiensis* (VU) was observed in SG14 and 16 areas; and *Iris odaesanensis* was mainly distributed on the ridge between 1000 and

Table 3
Survey sites along the routes and altitudes in Mt. Gyeong-san.

Altitudes (m) Routes	600–800	800–1000	1000–1200	1200–1400	1400–1600
Nodong valley-Mt. Gyeong-san (NG)	–	NG10	NG12	NG14	NG16
Undu-ryong Pension-Mt. Gyeong-san (PG)	–	PG10	PG12	PG14	PG16
Undu-ryong-Mt. Gyeong-san (UG)	–	–	UG12	UG14	UG16
Sucheong-gol-Mt. Gyeong-san (SG)	SG08	SG10	SG12	SG14	SG16

Table 4

Number of vascular plants distributed in the study areas of Gyebangsan (Mt.) (Summary on the floristics of Gyebangsan (Mt.)).

Taxa/system	Family	Genus	Species	Subspecies	Variety	Forma	Total
Pteridophyte	6	15	25	—	2	—	27
Gymnospermae	3	6	8	—	—	—	8
Angiospermae							
Dicotyledoneae	64	211	326	4	42	4	376
Monocotyledoneae	9	51	90	—	8	1	99
Total	82	283	449	4	52	5	510

1400 m in PG and UG areas, while the rare and endangered plants (EN and VU) were confirmed as being distributed only over 1000 m (Figure 4, Table 5).

Endemic plants

The endemic plants found in this survey comprised 14 taxa in total, with no distribution peculiarity by altitude; provided that, however, the remaining nine taxa other than the five taxa including *Clematis trichotoma*, *Philadelphus schrenkii*, *Vicia chosensis*, *Weigela subsessilis*, and *Carex erythrobasis* were confirmed to grow in fewer than two routes, indicating their limited distribution. Furthermore, the distribution of *Carex erythrobasis* was confirmed as similar to that reported previously (Jo, 1981; The Korean Association for Conservation of Nature, 1982; Ko et al., 1991) and was broadly distributed between 1000 and 1400 m (Figure 5).

Naturalized plants

The naturalized plants were confirmed as 27 taxa that grew mostly in the open area below 1000 m and at the outset of forest. At the altitude between 600 and 800 m there were eight taxa, including: *Fallopia convolvulus*, *Conyza canadensis*, *Galinsoga ciliata*, *Taraxacum officinale*, and *Agropyron repens*; at the altitude between 800 and 1000 m there were 19 taxa, including: *Lepidium virginicum*, *Amorpha fruticosa*, *Trifolium repens*, *Oenothera biennis*, *Erigeron annuus*, and *Sonchus asper*; and at the altitude between 1000 and 1200 m there were five taxa, including: *Amaranthus lividus*, *Conyza canadensis*, *Galinsoga ciliata*, *Senecio vulgaris*, and *Taraxacum officinale* (Figure 6).

Distribution of major plants in other survey areas

Understanding the flora distribution in and around the streams in the lower parts adjacent of Gyebangsan (Mt.) required surveying the area at 500 m above sea level around the streams (near Yaksu

Bridge) on the way to Inje. The plants surveyed and observed included: *Ribes fasciculatum* var. *chinense*, *Ambrosia artemisiifolia*, *Persicaria senticosa*, *Cuscuta pentagona*, *Clematis apiifolia*, and *Artemisia capillaris*, and particularly, *Syringa fauriei* was confirmed to grow along the stream side. In addition, at 730 m above seal level in the middle of Undu-ryeong on the way to Inje we found *Euonymus sachalinensis*, *Carex doniana*, *Thalictrum rochebrunianum* var. *grandisepalum*, and *Populus maximowiczii*.

Taxonomic groups based on field notes

Despite not obtaining evident specimens, the plants recorded on field notes comprised 25 taxa, including: *Equisetum arvense*, *Portulaca oleracea*, *Styrax obassia*, *Rosa multiflora*, *Aster scaber*, *Pueraria lobata*, *Festuca arundinacea*, *Sorbus alnifolia*, *Poa sphondylodes*, *Laportea bulbifera*, and *Phellodendron amurense*. In particular, *Astilboides tabularis* was found in SG 16 section.

Discussion

In order to grasp the specific distribution of plants growing in and around Gyebangsan (Mt.), surveys by altitude and survey route were conducted, resulting in a total of 510 taxa.

Compared to the plant distribution data reported previously, we confirmed 70 taxa of new plant distribution: among which, the plants belonging to gramineae and cyperaceae were found in 29 taxa and occupied 41% of the total. It seemed not possible to confirm the distribution of these two families on an exact basis due to difficulty in identification. Although the plants that were confirmed to grow in this survey area such as *Carex erythrobasis* and *Carex kamagariensis* are distributed almost throughout the country, there are few records for their distribution. *Carex stipata* is a northern plant that was recently confirmed to grow in the southern

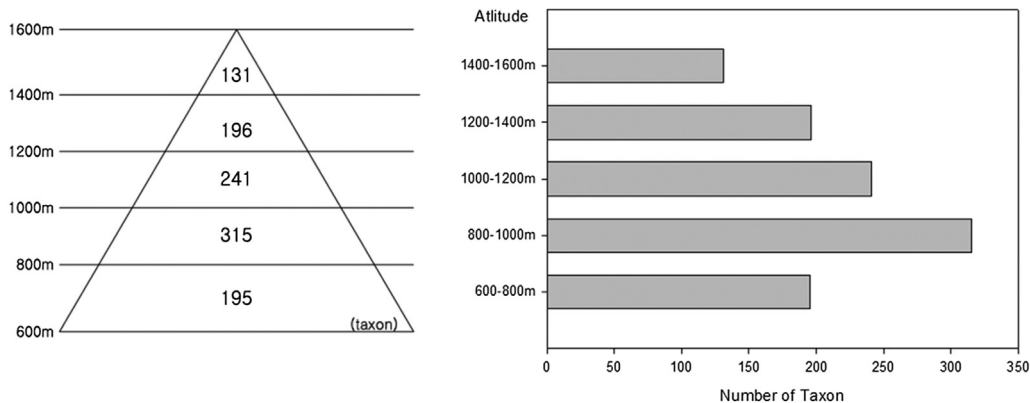


Figure 2. Number of taxa along the altitudinal gradient of Gyebangsan (Mt.).

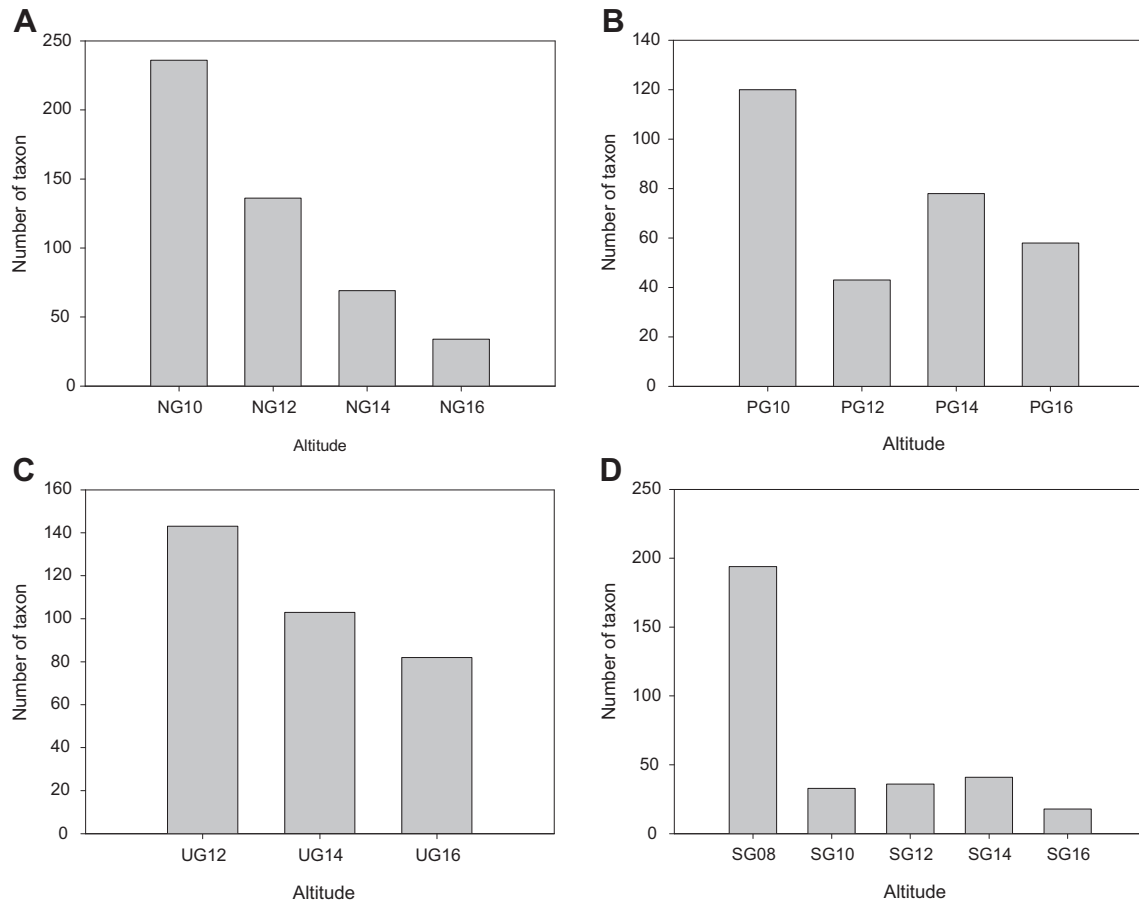


Figure 3. Number of taxa along the routes in the study area. (A) Nodong valley–Mt. Gyebang (NG); (B) Undu ryong Pension to Mt. Gyebang (PG); (C) Undu ryong to Mt. Gyebang (UG); (D) Sucheong gol to Mt. Gyebang (SG).

area, and was reported to grow in and around Gyebangsan (Mt.) for the first time. Out of the 557 taxa stated in the literature but not confirmed in this survey, the species reported by Jo (1981) such as *Dryopteris tokyoensis* and *Thelypteris quelpaertensis* were confirmed to only grow in Gwangreung and Jeju, respectively. This seemingly

confirmed that the previous identification was wrong, and that >20 taxa not observed since Jo (1981), such as *Loranthus tanakae*, *Viola websteri*, *Streptopus amplexifolius* var. *papillatus*, *Iris minutiaurea*, *Iris ruthenica*, *Cypripedium macranthos*, and *Gastrodia elata*, require to be re-examined for their distribution.

The plant distribution survey by altitude indicated that the number of plant species decreased as the altitude increased, except for the region between 600 and 800 m. The survey areas were located mostly at least above 1000 m, except for one section between 600 and 800 m that showed a lower number of plants than in the other survey areas at higher altitude.

Previous studies on the richness of species by altitude have reported that the higher the altitude, the lower the number of species (monotonic decrease) (Rapoport, 1982; Stevens, 1992; Brown and Lomolino, 1998), while recent opinions have tended to be accepted after verification – the highest number of species in medium altitude range (hump-shaped) (Rahbek, 1995; Vetaas and Grytnes, 2002; Wang et al., 2007). In Korea, surveys of species richness and distribution peculiarity by altitude have been carried out by Jeong et al. (2010) and Yun et al. (2010) and others. An accurate trend of distribution in terms of species richness by altitude has yet to be demonstrated due to a variety of environmental elements in each region.

It was confirmed that the rare and endangered plants were distributed more as the altitude increased, in contrast to the total number of distributed species by altitude. The greatest number of rare and endangered plants was in the section at an altitude

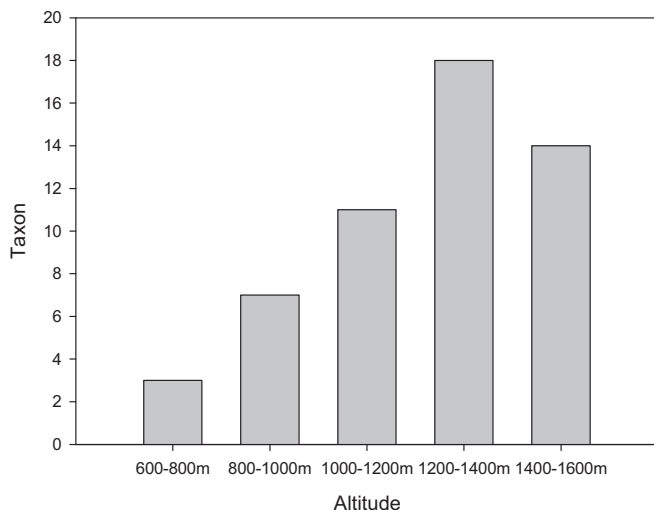


Figure 4. Number of rare plants along the altitude in the study area.

Table 5
Altitudinal distribution of rare plants in the study area.

Taxon	Degree	Section	600–1000 m	1000–1200 m	1200–1400 m	1400–1600 m
<i>Oplopanax elatus</i> (Nakai) Nakai 땃두릅나무	EN	PG16				■
<i>Thuja koraiensis</i> Nakai 눈쭈백	VU	SG14, SG16			■	■
<i>Picea jezoensis</i> (Siebold & Zucc.) Carriere 가문비나무	VU	SG12, SG14	■	■		
<i>Taxus cuspidata</i> Siebold & Zucc. 주목	VU	NG14, PG14, PG16, UG12, UG16, SG16	■	■	■	■
<i>Eleutherococcus senticosus</i> (Rupr. & Maxim.) Maxim. 가시오갈피	VU	D14			■	
<i>Lonicera caerulea</i> var. <i>edulis</i> Turcz. ex Herder 땃땃이나무	VU	B14			■	
<i>Iris odaesanensis</i> Y.N.Lee 노랑무늬붓꽃	VU	B12, B14, C14	■	■		

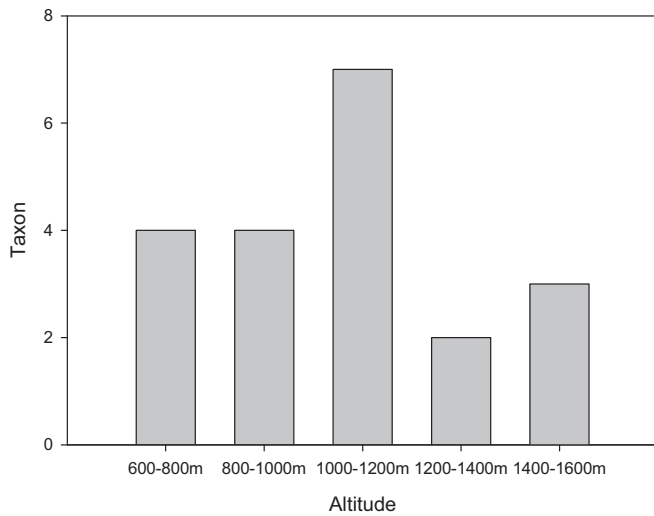


Figure 5. Number of endemic plants along altitude in the study area.

between 1200 and 1400 m, which seems to be because most of the confirmed rare and endangered plants are northern plants, including *Oplopanax elatus*, *Picea jezoensis*, and *Thuja koraiensis*, which have survived in alpine regions even after the Ice Age. Yun et al. (2010, 2012) have reported that the plant distribution

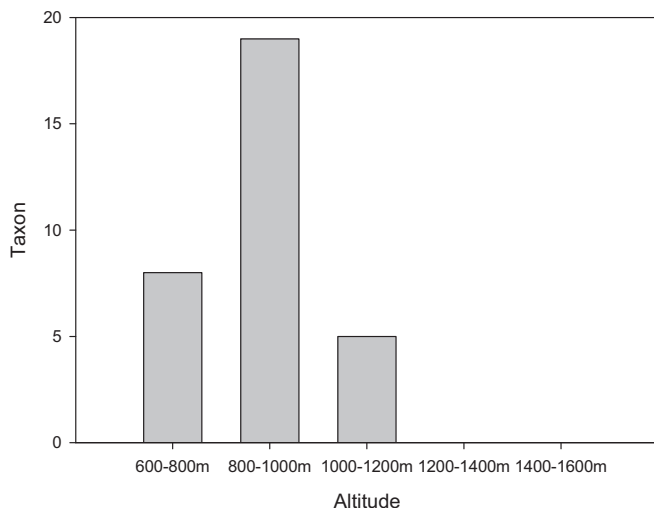


Figure 6. Number of naturalized plants along the altitudes in the study area.

differs depending on Warmth Index of temperature by altitude. Such an effect of temperature seems to be one of the reasons causing the rare and endangered plants originating from the north being limited to and distributed in areas at high altitude. The reason why the number of rare plants between 1400 and 1600 m was lower than that between 1200 and 1400 m was that most of the topology in the former section had narrower areas along the ridge that contributed to less variety of growing environment, compared to that in the latter section.

There was no observation of distribution peculiarity for the endemic plants in the survey areas. Unlike the surviving rare and endangered plants, endemic plants have adapted to a variety of environmental conditions so that even a species seems to possess a good adaptive ability to a broad range of growth conditions. This may be the reason why the endemic plants do not display a particular pattern in distribution. It seems necessary to re-examine the distribution characteristics by conducting surveys in other different regions, to understand better why endemic plants are distributed more in the section between 1000 and 1200 m than in the section between 800 and 1000 m, where the greatest number of plant species grow, and even the scope of distribution of each species is limited.

Naturalized plants were confirmed to grow mostly in open areas below 1000 m and at the start of the forest. Undu-ryeong area, which is located above 1000 m, is at the beginning of a trail and was reclaimed for a road, and a few naturalized plants were observed such as *Conyza canadensis*, *Senecio vulgaris*, and *Galinsoga ciliate*, but there was no distribution of naturalized plants confirmed at higher altitude than Undu-ryeong.

The distribution of plants confirmed in the surveys by altitude and survey route does not represent all the distribution peculiarity and growing environment of each plant. Despite being at the same altitude, the distribution of species may differ due to a variety of environmental elements, such as direction, light intensity, topology, temperature, and humidity, as well as survey area and method. However, such a detailed precise survey will help to provide more specific and organized information about data utilization, and accuracy and peculiarity of plant distribution compared to flora studies that merely indicate whether the specific plant exists, which is the survey method used across all the survey areas until now.

Acknowledgments

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Appendix 1. List of the vascular plants of Gyeongbongsan (Mt.).

Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
석송과 Lycopodiaceae					
<i>Lycopodium chinense</i> H.Christ	다람쥐꼬리	Pyeongchang County (Gyeongbongsan (Mt.))-120418-031	NG14, NG16, PG14, PG16, SG14, SG16	○	○
<i>Lycopodium serratum</i> Thunb.	뱀톱	Pyeongchang County (Gyeongbongsan (Mt.))-120418-032	PG16, SG14	○	○
부처손과 Selaginellaceae					
<i>Selaginella involvens</i> (Sw.) Spring	바위손				○
<i>Selaginella rossii</i> (Baker) Warb.	구실사리				○
속새과 Equisetaceae					
<i>Equisetum arvense</i> L.	쇠뜨기				○
<i>Equisetum hyemale</i> L.	속새	Pyeongchang County (Gyeongbongsan (Mt.))-120418-005	NG10, UG14, SG08, SG12, SG14	○	○
<i>Equisetum ramosissimum</i> Desf.	개속새				○
고사리삼과 Ophioglossaceae					
<i>Sceptridium ternatum</i> (Thunb.) Lyon	고사리삼				○
고비과 Osmundaceae					
<i>Osmunda cinnamomea</i> var. <i>forikiensis</i> Copel.	평고비	Pyeongchang County (Gyeongbongsan (Mt.))-120523-106	NG14, PG14, UG12	○	○
<i>Osmunda japonica</i> Thunb.	고비				○
고사리과 Pteridaceae					
<i>Dennstaedtia hirsuta</i> (Sw.) Mett. ex Miq.	잔고사리				○
<i>Dennstaedtia wilfordii</i> (T. Moore) H.Christ	향고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120823-194	NG10, NG12, SG08	○	○
<i>Pteridium aquilinum</i> var. <i>latiusculum</i> (Desv.) Underw. ex Hell.	고사리				○
<i>Coniogramme intermedia</i> Hieron.	고비고사리	Pyeongchang County (Sucheonggol Valley in Gyeongbongsan (Mt.))-120926-001	NG12, NG14	○	○
넙죽고사리과 Davalliaceae					
<i>Davallia mariesii</i> T. Moore ex Baker	넙죽고사리				○
꼬리고사리과 Aspleniaceae					
<i>Asplenium incisum</i> Thunb.	꼬리고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120418-025	NG10, SG08	○	○
면마과 Dryopteridaceae					
<i>Arachniodes borealis</i> Seriz.	약살고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120823-050	UG14	○	○
<i>Dryopteris bissetiana</i> (Baker) C.Chr.	산족제비고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120418-021	SG08	○	○
<i>Dryopteris chinensis</i> (Baker) Koidz.	가는잎족제비고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120523-128	PG14	○	○
<i>Dryopteris crassirhizoma</i> Nakai	관중	Pyeongchang County (Gyeongbongsan (Mt.))-120418-008	NG10, NG12, NG14, PG10, PG14, PG16, UG12, UG16, SG08	○	○
<i>Dryopteris expansa</i> (C.Presl) Fraser-Jenk. & Jermy	퍼진고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120523-570	SG14	○	○
<i>Dryopteris hikonensis</i> (H.Ito) Nakaike	큰족제비고사리				○
<i>Dryopteris monticola</i> (Makino) C.Chr.	왕지네고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120523-490	NG10, PG10, UG14, UG16	○	○
<i>Dryopteris sacrosanta</i> Koidz.	애기족제비고사리				○
<i>Dryopteris saxifraga</i> H.Ito	바위족제비고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120418-027	SG08	○	○
<i>Dryopteris tokyoensis</i> (Matsum. ex Makino) C.Chr.	느리미고사리				○
<i>Dryopteris varia</i> (L.) Kuntze	족제비고사리				○
<i>Polystichum braunii</i> (Spenn.) Fee	좁나도히초미	Pyeongchang County (Gyeongbongsan (Mt.))-120418-009	NG10, NG12, NG14, PG16, SG08, SG14	○	○
<i>Polystichum ovatopaleaceum</i> var. <i>coraiense</i> (H.Christ) Sa.Kurata	참나도히초미	Pyeongchang County (Gyeongbongsan (Mt.))-120418-022	NG12, PG16, SG08	○	○
<i>Polystichum polyblepharum</i> (Roem. ex Kunze) C.Presl	나도히초미				○
<i>Polystichum tripteron</i> (Kunze) C.Presl	십자고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120523-155	NG10, NG12, NG14, PG10, UG14, SG10	○	○
<i>Stegnogramma pozoi</i> subsp. <i>mollissima</i> (Fisch. ex Kunze) K.Iwats.	진퍼리고사리				○
<i>Thelypteris beddomei</i> (Baker) Ching	가는잎처녀고사리				○
<i>Thelypteris japonica</i> (Baker) Ching	지네고사리				○
<i>Thelypteris palustris</i> (Salisb.) Schott	처녀고사리				○
<i>Thelypteris phegopteris</i> (L.) Sloss.	가래고사리	Pyeongchang County (Gyeongbongsan (Mt.))-120523-549	NG14, NG16, PG10, PG16, SG08, SG14	○	○
	큰처녀고사리				○

<i>Thelypteris quelpaertensis</i> (H.Christ) Ching							
<i>Athyrium brevifrons</i> Kodama ex Nakai	참새발고사리	Pyeongchang County (Gyebangsan (Mt.))-120523-182	NG10, NG12, PG10, PG14	○	○		
<i>Athyrium distentifolium</i> Tausch ex Opiz	산고사리					○	
<i>Athyrium koryoense</i> Tagawa	그늘개고사리					○	
<i>Athyrium niponicum</i> (Mett.) Hance	개고사리					○	
<i>Athyrium vidalii</i> (Franch. & Sav.) Nakai	산개고사리					○	
<i>Asplenium yokoscense</i> (Franch. & Sav.) H.Christ	뱀고사리	Pyeongchang County (Gyebangsan (Mt.))-120523-405	NG10, NG12, PG16, UG12, UG16, SG08	○	○		
<i>Cornopteris crenulato-serrulata</i> (Makino) Nakai	응달고사리	Pyeongchang County (Gyebangsan (Mt.))-120523-227	NG12, UG14	○			
<i>Deparia conilii</i> (Franch. & Sav.) M.Kato	좁진고사리	Pyeongchang County (Gyebangsan (Mt.))-120717-284	NG10	○			
<i>Deparia japonica</i> (Thunb.) M.Kato	진고사리					○	
<i>Deparia pycnosora</i> (H.Christ) M.Kato	털고사리	Pyeongchang County (Gyebangsan (Mt.))-120523-577	NG10, NG12, PG16, SG08, SG12, SG14	○	○		
<i>Diplazium sibiricum</i> (Turcz. ex Kunze) Rupr.	두메고사리					○	
<i>Matteuccia struthiopteris</i> (L.) Tod.	청나래고사리					○	
<i>Onoclea orientalis</i> (Hook.) Hook.	개면마	Pyeongchang County (Gyebangsan (Mt.))-120523-467	UG14, SG12	○	○		
<i>Onoclea sensibilis</i> var. <i>interrupta</i> Maxim.	야산고비					○	
<i>Woodsia ilvensis</i> (L.) R.Br.	두메우드풀					○	
<i>Woodsia macrochlaena</i> Mett. ex Kuhn	참우드풀	Pyeongchang County (Gyebangsan (Mt.))-120823-197	SG08	○			
<i>Woodsia manchuriensis</i> Hook.	만주우드풀	Pyeongchang County (Gyebangsan (Mt.))-120823-338	NG10, PG16	○	○		
<i>Woodsia polystichoides</i> D.C.Eaton	우드풀	Pyeongchang County (Gyebangsan (Mt.))-120717-164	PG10	○	○		
고란초과 Polypodiaceae							
<i>Lepisorus ussuriensis</i> (Regel & Maack) Ching	산일엽초					○	
<i>Pyrrosia linearifolia</i> (Hook.) Ching	우단일엽					○	
네가래과 Marsileaceae							
<i>Marsilea quadrifolia</i> L.	네가래					○	
생이가래과 Salviniaceae							
<i>Salvinia natans</i> (L.) All.	생이가래					○	
소나무과 Pinaceae							
<i>Abies holophylla</i> Maxim.	전나무	Pyeongchang County (Gyebangsan (Mt.))-120418-037	NG10, NG12, NG14, UG12, UG14, SG12	○	○		
<i>Abies nephrolepis</i> (Trautv.) Maxim.	분비나무	Pyeongchang County (Gyebangsan (Mt.))-120523-534	NG10, NG12, NG14, UG14, UG16, SG12, SG14, SG16	○	○		
<i>Larix kaempferi</i> (Lamb.) Carriere	일본잎갈나무	Pyeongchang County (Gyebangsan (Mt.))-120926-150	NG10, NG12	○	○		
<i>Larix olgensis</i> f. <i>viridis</i> (Wilson) Nakai	청잎갈나무					○	
<i>Larix olgensis</i> var. <i>koreana</i> (Nakai) Nakai	잎갈나무					○	
<i>Picea jezoensis</i> (Siebold & Zucc.) Carriere	가문비나무	Pyeongchang County (Gyebangsan (Mt.))-120523-554	SG12, SG14	○	○		
<i>Pinus densiflora</i> Siebold & Zucc.	소나무	Pyeongchang County (Gyebangsan (Mt.))-120418-040	NG10, NG14, UG12, UG14, SG08, SG10	○	○		
<i>Pinus koraiensis</i> Siebold & Zucc.	잣나무	Pyeongchang County (Gyebangsan (Mt.))-120418-035	NG10, NG12, NG14, PG12, PG14, UG12, UG16, SG08, SG14	○	○		
<i>Pinus taeda</i> L.	테에다소나무					○	
측백나무과 Cupressaceae							
<i>Juniperus rigida</i> Siebold & Zucc.	노간주나무					○	
<i>Thuja koraiensis</i> Nakai	눈측백	Pyeongchang County (Gyebangsan (Mt.))-120523-562	SG14, SG16	○	○		
주목과 Taxaceae							
<i>Taxus cuspidata</i> Siebold & Zucc.	주목	Pyeongchang County (Gyebangsan (Mt.))-120418-053	NG14, PG14, PG16, UG12, UG16, SG16	○	○		
가래나무과 Juglandaceae							
<i>Juglans mandshurica</i> Maxim.	가래나무	Pyeongchang County (Gyebangsan (Mt.))-120523-282	NG10, PG12, SG10	○	○		
버드나무과 Salicaceae							
<i>Chosenia arbutifolia</i> (Pall.) A.K.Skvortsov	새양버들					○	
<i>Populus davidiana</i> Dode	사시나무					○	
<i>Populus davidiana</i> f. <i>toментella</i> (Schneid.) W.T.Lee	털사시나무					○	
<i>Populus koreana</i> Rehder	물향철나무					○	
<i>Populus maximowiczii</i> A.Henry	향철나무	Pyeongchang County (Gyebangsan (Mt.))-120523-339	SG08, SG12	○	○		
<i>Populus tomentiglandulosa</i> T.B.Lee	은사시나무					○	
<i>Salix caprea</i> L.	호랑버들	Pyeongchang County (Gyebangsan (Mt.))-120418-017	NG10, NG12, SG08	○	○		

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Salix chaenomeloides</i> Kimura	왕버들	Pyeongchang County (Gyebangsan (Mt.))-120523-312	SG08	○	○
<i>Salix graciliglans</i> Nakai	눈갓버들				○
<i>Salix gracilistyla</i> Miq.	갓버들	Pyeongchang County (Gyebangsan (Mt.))-120418-012	NG10, NG12, SG08	○	○
<i>Salix koreensis</i> Andersson	버드나무				○
<i>Salix koriyanagi</i> Kimura	키버들	Pyeongchang County (Gyebangsan (Mt.))-120523-293	SG08	○	○
<i>Salix maximowiczii</i> Kom.	쭉버들	Pyeongchang County (Gyebangsan (Mt.))-120523-470	SG12	○	○
<i>Salix rorida</i> Laksch.	분버들				○
<i>Salix siuzevii</i> Seem.	참오글잎버들				○
<i>Salix xerophila</i> Flod.	여우버들				○
<i>Salix xerophila</i> f. <i>glabra</i> (Nakai) Kitag.	유가래나무				○
자작나무과 Betulaceae					
<i>Alnus japonica</i> (Thunb.) Steud.	오리나무				○
<i>Alnus sibirica</i> Fisch. ex Turcz.	물오리나무				○
<i>Betula chinensis</i> Maxim.	개박달나무	Pyeongchang County (Gyebangsan (Mt.))-120523-214	NG12, PG10	○	○
<i>Betula costata</i> Trautv.	거제수나무	Pyeongchang County (Gyebangsan (Mt.))-120523-099	NG10, NG12, NG14, PG14, UG12, SG08, SG12	○	○
<i>Betula davurica</i> Pall.	물박달나무				○
<i>Betula ermanii</i> Cham.	사스래나무				○
<i>Betula platyphylla</i> var. <i>japonica</i> (Miq.) H. Hara	자작나무	Pyeongchang County (Gyebangsan (Mt.))-120717-129	NG12-1, PG10	○	○
<i>Betula schmidtii</i> Regel	박달나무				○
<i>Carpinus cordata</i> Blume	까치박달				○
<i>Carpinus laxiflora</i> (Siebold & Zucc.) Blume	서어나무				○
<i>Corylus heterophylla</i> Fisch. ex Trautv.	개암나무	Pyeongchang County (Gyebangsan (Mt.))-120523-391	NG10, PG14, PG16, UG12	○	○
<i>Corylus sieboldiana</i> Blume	참개암나무				○
<i>Corylus sieboldiana</i> var. <i>mandshurica</i> (Maxim. & Rupr.) C.K.Schneid.	물개암나무	Pyeongchang County (Gyebangsan (Mt.))-120717-209	PG10	○	○
참나무과 Fagaceae					
<i>Castanea crenata</i> Siebold & Zucc.	밤나무	Pyeongchang County (Gyebangsan (Mt.))-120717-188	PG10	○	○
<i>Quercus acutissima</i> Carruth.	상수리나무				○
<i>Quercus aliena</i> Blume	갈참나무				○
<i>Quercus dentata</i> Thunb.	떡갈나무				○
<i>Quercus mongolica</i> Fisch. ex Ledeb.	신갈나무	Pyeongchang County (Gyebangsan (Mt.))-120523-081	NG10, NG12, NG16, PG10, PG12, PG14, UG12, UG14, UG16, SG08	○	○
<i>Quercus mongolica</i> var. <i>crispula</i> (Blume) H. Ohashi	물참나무				○
<i>Quercus serrata</i> Thunb. ex Murray	줄참나무				○
<i>Quercus variabilis</i> Blume	굴참나무				○
느릅나무과 Ulmaceae					
<i>Celtis aurantiaca</i> Nakai	산팽나무				○
<i>Celtis bungeana</i> Blume	쭈뚱계나무				○
<i>Celtis jessoensis</i> Koidz.	풍계나무				○
<i>Celtis sinensis</i> Pers.	팽나무				○
<i>Hemiptelea davidii</i> (Hance) Planch.	시무나무				○
<i>Ulmus davidiana</i> Planch.	당느릅나무				○
<i>Ulmus davidiana</i> var. <i>japonica</i> (Rehder) Nakai	느릅나무	Pyeongchang County (Gyebangsan (Mt.))-120523-383	NG10, PG10, UG12, UG14	○	○
<i>Ulmus laciniata</i> (Trautv.) Mayr	난티나무	Pyeongchang County (Gyebangsan (Mt.))-120523-353	NG10, NG12, NG14, SG08, SG12, SG14	○	○
<i>Ulmus macrocarpa</i> Hance	왕느릅나무				○
<i>Ulmus pumila</i> L.	비술나무				○
<i>Zelkova serrata</i> (Thunb.) Makino	느티나무				○
뽕나무과 Moraceae					
<i>Morus alba</i> L.	뽕나무				○
<i>Morus bombycis</i> Koidz.	산뽕나무	Pyeongchang County (Gyebangsan (Mt.))-120523-294	NG10, SG08	○	○
삼과 Cannabaceae					
<i>Humulus japonicus</i> Siebold & Zucc.	환삼덩굴	Pyeongchang County (Gyebangsan (Mt.))-120823-202	SG08	○	○

뽕기풀과 Urticaceae						
<i>Boehmeria nivea</i> (L.) Gaudich.	모시풀					○
<i>Boehmeria spicata</i> (Thunb.) Thunb.	쫄깨잎나무	Pyeongchang County (Gyebangsan (Mt.))-120717-116	NG10, PG10	○		○
<i>Boehmeria tricuspis</i> (Hance) Makino	거북꼬리					○
<i>Boehmeria tricuspis</i> var. <i>unicuspis</i> Makino	풀거북꼬리					○
<i>Laportea bulbifera</i> (Siebold & Zucc.) Wedd.	흑뽕기풀					○
<i>Pilea mongolica</i> Wedd.	모시물통이	Pyeongchang County (Gyebangsan (Mt.))-120926-160	NG10	○		○
<i>Pilea peploides</i> (Gaudich.) Hook. & Arn.	물통이					○
<i>Urtica angustifolia</i> Fisch. ex Hornem.	가는잎뽕기풀	Pyeongchang County (Gyebangsan (Mt.))-120823-159	SG08	○		○
<i>Urtica laetevirens</i> Maxim.	애기뽕기풀	Pyeongchang County (Gyebangsan (Mt.))-120717-186	PG10	○		○
<i>Urtica thunbergiana</i> Siebold & Zucc.	뽕기풀					○
단향과 Santalaceae						
<i>Thesium chinense</i> Turcz.	제비풀					○
꼬리겨우살이과 Loranthaceae						
<i>Loranthus tanakae</i> Franch. & Sav.	꼬리겨우살이					○
<i>Viscum album</i> var. <i>coloratum</i> (Kom.) Ohwi	겨우살이					○
마디풀과 Polygonaceae						
<i>Aconogonon alpinum</i> (All.) Schur	싱아					○
<i>Bistorta manshuriensis</i> (Petrov ex Kom.) Kom.	범꼬리					○
<i>Bistorta pacifica</i> (Petrov ex Kom.) Kom.	참범꼬리					○
<i>Fagopyrum esculentum</i> Moench	메밀					○
<i>Fallopia ciliinervis</i> (Nakai) Hammer	나도하수오	Pyeongchang County (Gyebangsan (Mt.))-120523-086	PG14, PG16, SG08	○		○
<i>Fallopia convolvulus</i> (L.) A.Love	나도닭의덩굴	Pyeongchang County (Gyebangsan (Mt.))-120717-039	SG08	○		○
<i>Fallopia dentatoalata</i> (F.Schmidt) Holub	큰닭의덩굴	Pyeongchang County (Gyebangsan (Mt.))-120926-065	SG08	○		○
<i>Fallopia dumetorum</i> (L.) Holub	닭의덩굴	Pyeongchang County (Gyebangsan (Mt.))-120717-180	NG10, PG10, SG08	○		○
<i>Fallopia multiflora</i> (Thunb.) Haraldson	하수오					○
<i>Fallopia sachalinensis</i> (F.Schmidt) RonseDecr.	황호장근					○
<i>Persicaria dissitiflora</i> (Hemsl.) H.Gross ex Mori	가시여뀌	Pyeongchang County (Gyebangsan (Mt.))-120823-108	SG08	○		○
<i>Persicaria filiformis</i> (Thunb.) Nakai ex Mori	이삭여뀌					○
<i>Persicaria hastatosagittata</i> (Makino) Nakai ex Mori	긴미꾸리낙시					○
<i>Persicaria hydropiper</i> (L.) Spach	여뀌					○
<i>Persicaria japonica</i> (Meisn.) H.Gross ex Nakai	흰꽃여뀌					○
<i>Persicaria lapathifolia</i> (L.) Gray	흰여뀌	Pyeongchang County (Gyebangsan (Mt.))-120717-011	NG10, PG10, UG12, SG08	○		○
<i>Persicaria longiseta</i> (Brujin) Kitag.	개여뀌	Pyeongchang County (Gyebangsan (Mt.))-120823-239	NG10	○		○
<i>Persicaria nepalensis</i> (Meisn.) H.Gross	산여뀌	Pyeongchang County (Gyebangsan (Mt.))-120823-228	NG10	○		○
<i>Persicaria orientalis</i> (L.) Spach	털여뀌					○
<i>Persicaria perfoliata</i> (L.) H.Gross	머느리배골					○
<i>Persicaria posumbu</i> var. <i>laxiflora</i> (Meisn.) H. Hara	장대여뀌					○
<i>Persicaria pubescens</i> (Blume) H. Hara	바보여뀌					○
<i>Persicaria sagittata</i> (L.) H.Gross ex Nakai	미꾸리낙시	Pyeongchang County (Gyebangsan (Mt.))-120823-185	NG10, SG08	○		○
<i>Persicaria senticosa</i> (Meisn.) H.Gross ex Nakai	머느리밀씻개	Pyeongchang County (Gyebangsan (Mt.))-120823-099	F06	○		○
<i>Persicaria thunbergii</i> (Siebold & Zucc.) H.Gross ex Nakai	고마리	Pyeongchang County (Gyebangsan (Mt.))-120823-155	NG10, SG08	○		○
<i>Persicaria viscofera</i> (Makino) Nakai	끈끈이여뀌					○
<i>Persicaria viscofera</i> var. <i>robusta</i> (Makino) Hiyama	큰끈끈이여뀌					○
<i>Persicaria viscosa</i> (Hamilt. ex D.Don) H.Gross ex D.Don	기생여뀌					○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Persicaria vulgaris</i> Webb & Moq.	봄여뀌				○
<i>Polygonum aviculare</i> L.	마디풀	Pyeongchang County (Gyebangsan (Mt.))-120717-179	PG10, SG08	○	○
<i>Rumex acetosa</i> L.	수영	Pyeongchang County (Gyebangsan (Mt.))-120523-134	NG10, NG12, SG10	○	○
<i>Rumex acetosella</i> L.	애기수영				○
<i>Rumex crispus</i> L.	소리쟁이				○
<i>Rumex japonicus</i> Houtt.	참소리쟁이	Pyeongchang County (Gyebangsan (Mt.))-120717-147	PG10	○	○
석류풀과 Molluginaceae					
<i>Mollugo pentaphylla</i> L.	석류풀				○
쇠비름과 Portulacaceae					
<i>Portulaca oleracea</i> L.	쇠비름				○
석죽과 Caryophyllaceae					
<i>Arenaria serpyllifolia</i> L.	벼룩이자리	Pyeongchang County (Gyebangsan (Mt.))-120717-215	PG10	○	○
<i>Cerastium holosteoides</i> var. <i>hallaisanense</i> (Nakai) Mizush.	점나도나물	Pyeongchang County (Gyebangsan (Mt.))-120523-209	NG10, NG12, PG10, SG08	○	○
<i>Cucubalus baccifer</i> var. <i>japonicus</i> Miq.	덩굴벌꽃				○
<i>Dianthus chinensis</i> L.	패랭이꽃				○
<i>Dianthus longicalyx</i> Miq.	솔패랭이꽃				○
<i>Lychnis cognata</i> Maxim.	동자꽃	Pyeongchang County (Gyebangsan (Mt.))-120717-001	NG108, PG10, PG14, PG16, UG12, UG14, UG16	○	○
<i>Pseudostellaria coreana</i> (Nakai) Ohwi	참개별꽃				○
<i>Pseudostellaria davidii</i> (Franch.) Pax ex Pax & Hoffm.	덩굴개별꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-045	NG10, NG12, UG12	○	○
<i>Pseudostellaria heterophylla</i> (Miq.) Pax ex Pax & Hoffm.	개별꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-152	NG12, NG14, UG12, SG08	○	○
<i>Pseudostellaria palibiniana</i> (Takeda) Ohwi	큰개별꽃				○
<i>Sagina japonica</i> (Sw.) Ohwi	개미자리	Pyeongchang County (Gyebangsan (Mt.))-120717-193	PG10	○	○
<i>Silene firma</i> Siebold & Zucc.	장구채	Pyeongchang County (Gyebangsan (Mt.))-120823-011	NG10, UG14	○	○
<i>Silene koreana</i> Kom.	끈끈이장구채				○
<i>Silene seoulensis</i> Nakai	가는장구채				○
<i>Stellaria alsine</i> var. <i>undulata</i> (Thunb.) Ohwi	벼룩나물	Pyeongchang County (Gyebangsan (Mt.))-120523-333	PG10, SG08	○	○
<i>Stellaria aquatica</i> (L.) Scop.	쇠별꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-330	SG08	○	○
<i>Stellaria media</i> (L.) Vill.	별꽃	Pyeongchang County (Gyebangsan (Mt.))-120926-147	UG12	○	○
명아주과 Chenopodiaceae					
<i>Chenopodium album</i> L.	흰명아주	Pyeongchang County (Gyebangsan (Mt.))-120926-079	NG10	○	
<i>Chenopodium album</i> var. <i>centrorubrum</i> Makino	명아주	Pyeongchang County (Gyebangsan (Mt.))-120823-231	NG10, UG12, SG08	○	○
<i>Chenopodium ficifolium</i> Smith	좁명아주	Pyeongchang County (Gyebangsan (Mt.))-120717-151	PG10	○	○
<i>Chenopodium hybridum</i> L.	얇은명아주				○
<i>Kochia scoparia</i> (L.) Schrad.	덩새리				○
비름과 Amaranthaceae					
<i>Achyranthes japonica</i> (Miq.) Nakai	쇠무릎				○
<i>Amaranthus lividus</i> L.	개비름	Pyeongchang County (Gyebangsan (Mt.))-120926-126	UG12	○	○
<i>Amaranthus mangostanus</i> L.	비름				○
목련과 Magnoliaceae					
<i>Magnolia denudata</i> Desr.	백목련				○
<i>Magnolia sieboldii</i> K.Koch	함박꽃나무	Pyeongchang County (Gyebangsan (Mt.))-120523-335	NG10, NG12, NG14, PG16, UG12, UG14, UG16, SG08	○	○
오미자과 Schisandraceae					
<i>Schisandra chinensis</i> (Turcz.) Baill.	오미자	Pyeongchang County (Gyebangsan (Mt.))-120523-320	NG10, NG12, PG10, PG14, UG12, SG08	○	○
녹나무과 Lauraceae					
<i>Lindera obtusiloba</i> Blume	생강나무	Pyeongchang County (Gyebangsan (Mt.))-120418-019	NG10, SG08	○	○
미나리아재비과 Ranunculaceae					
<i>Aconitum ciliare</i> DC.	늦젓가락나물				○
<i>Aconitum jaluense</i> Kom.	투구꽃	Pyeongchang County (Gyebangsan (Mt.))-120823-055	NG10, NG12, UG14, UG16, SG08	○	○
<i>Aconitum coreanum</i> (H.Lev.) Rapaics	백부자				○

<i>Aconitum longecassidatum</i> Nakai	흰진범	Pyeongchang County (Gyebangsan (Mt.))-120823-076	UG16, SG08	○	○
<i>Aconitum pseudolaeve</i> Nakai	진범			○	○
<i>Aconitum sibiricum</i> Poir.	노랑투구꽃			○	○
<i>Aconitum triphyllum</i> Nakai	세잎돌쩌귀			○	○
<i>Actaea asiatica</i> H. Hara	노루삼	Pyeongchang County (Gyebangsan (Mt.))-120523-157	NG10, NG12, PG10, PG14	○	○
<i>Adonis amurensis</i> Regel & Radde	복수초			○	○
<i>Anemone amurensis</i> (Korsh.) Kom.	들바람꽃			○	○
<i>Anemone koraiensis</i> Nakai	출아비바람꽃			○	○
<i>Anemone narcissiflora</i> L.	바람꽃			○	○
<i>Anemone raddeana</i> Regel	평의바람꽃	Pyeongchang County (Gyebangsan (Mt.))-120418-002	NG14, PG14, PG16, UG12, UG16, SG08	○	○
<i>Anemone reflexa</i> Steph. & Willd.	회리바람꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-008	NG12, NG14, NG16, PG14, UG12, SG08	○	○
<i>Aquilegia buergeriana</i> var. <i>oxysepala</i> (Trautv. & Meyer) Kitam.	매발톱	Pyeongchang County (Gyebangsan (Mt.))-120523-274	UG16, SG10	○	○
<i>Caltha palustris</i> L.	동이나물	Pyeongchang County (Gyebangsan (Mt.))-120523-028	NG10, NG12, SG08, SG12, SG14	○	○
<i>Cimicifuga dahurica</i> (Turcz. ex Fisch. & C.A.Mey.) Maxim.	눈빛승마	Pyeongchang County (Gyebangsan (Mt.))-120523-005	NG10, NG12, NG14, PG10, PG16, UG12, UG14, SG12	○	○
<i>Cimicifuga foetida</i> L.	항새승마	Pyeongchang County (Gyebangsan (Mt.))-120926-088	NG10	○	○
<i>Cimicifuga heracleifolia</i> Kom.	승마				○
<i>Cimicifuga simplex</i> (DC.) Turcz.	춧대승마	Pyeongchang County (Gyebangsan (Mt.))-120823-165	PG16, UG12, SG08	○	○
<i>Clematis apiifolia</i> DC.	사위질빵	Pyeongchang County (Gyebangsan (Mt.))-120823-104	F06	○	○
<i>Clematis fusca</i> Turcz.	검은종덩굴			○	○
<i>Clematis fusca</i> var. <i>coreana</i> (H.Lev. & Vaniot) Nakai	요강나물				○
<i>Clematis heracleifolia</i> DC.	병조희풀	Pyeongchang County (Gyebangsan (Mt.))-120823-203	PG16, SG08	○	○
<i>Clematis heracleifolia</i> var. <i>davidiana</i> Hemsl.	자주조희풀				○
<i>Clematis koreana</i> Kom.	세잎종덩굴	Pyeongchang County (Gyebangsan (Mt.))-120823-327	PG16	○	○
<i>Clematis patens</i> C.Morren & Decne.	큰꽃으아리	Pyeongchang County (Gyebangsan (Mt.))-120926-086	SG08	○	○
<i>Clematis serratifolia</i> Rehder	개버무리	Pyeongchang County (Gyebangsan (Mt.))-120823-192	SG08	○	○
<i>Clematis terniflora</i> var. <i>mandshurica</i> (Rupr.) Ohwi	으아리				○
<i>Clematis trichotoma</i> Nakai	할미밀망	Pyeongchang County (Gyebangsan (Mt.))-120523-218	NG10, NG12, PG10	○	○
<i>Enemion raddeanum</i> Regel	나도바람꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-581	UG12, SG14	○	○
<i>Eranthis stellata</i> Maxim.	너도바람꽃	Pyeongchang County (Gyebangsan (Mt.))-120418-006	NG10, SG08, SG14	○	○
<i>Hepatica asiatica</i> Nakai	노루귀	Pyeongchang County (Gyebangsan (Mt.))-120523-018	NG14, UG14	○	○
<i>Megaleranthis saniculifolia</i> Ohwi	모데미풀				○
<i>Pulsatilla koreana</i> (Yabe ex Nakai) Nakai ex Nakai	할미꽃				○
<i>Ranunculus chinensis</i> Bunge	젓가락나물				○
<i>Ranunculus japonicus</i> Thunb.	미나리아재비	Pyeongchang County (Gyebangsan (Mt.))-120523-286	UG12, SG10	○	○
<i>Ranunculus tachiroei</i> Franch. & Sav.	개구리미나리				○
<i>Thalictrum actaeifolium</i> var. <i>brevistylum</i> Nakai	은평의다리				○
<i>Thalictrum aquilegifolium</i> var. <i>sibiricum</i> Regel & Tiling	평의다리				○
<i>Thalictrum filamentosum</i> var. <i>tenerum</i> (Huth) Ohwi	산평의다리	Pyeongchang County (Gyebangsan (Mt.))-120717-021	NG10, NG12, NG14, PG10, PG12, UG14, SG08, SG12, SG16	○	○
<i>Thalictrum rochebrunianum</i> var. <i>grandisepalum</i> (H.Lev.) Nakai	금평의다리	Pyeongchang County (Gyebangsan (Mt.))-120717-006	PG12-1	○	○
매자나무과 Berberidaceae					
<i>Berberis amurensis</i> Rupr.	매발톱나무	Pyeongchang County (Gyebangsan (Mt.))-120523-067	PG14, UG16	○	○
<i>Berberis koreana</i> var. <i>ellipsoides</i> Nakai	연발매자나무				○
<i>Caulophyllum robustum</i> Maxim.	평의다리아재비	Pyeongchang County (Gyebangsan (Mt.))-120523-130	NG14, PG14, UG16	○	○
으름덩굴과 Lardizabalaceae					
<i>Akebia quinata</i> (Houtt.) Decne.	으름덩굴				○
새모래덩굴과 Menispermaceae					
<i>Cocculus trilobus</i> (Thunb.) DC.	덩덩이덩굴				○
<i>Menispermum dauricum</i> DC.	새모래덩굴	Pyeongchang County (Gyebangsan (Mt.))-120717-042	SG08	○	○
출아비꽃대과 Chloranthaceae					

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Chloranthus japonicus</i> Siebold	홀아비꽃대	Pyeongchang County (Gyebangsan (Mt.))-120523-054	PG10, PG12, UG12	○	○
취방울덩굴과 Aristolochiaceae					
<i>Aristolochia contorta</i> Bunge	취방울덩굴				○
<i>Aristolochia manshuriensis</i> Kom.	등취	Pyeongchang County (Gyebangsan (Mt.))-120523-303	PG12, SG08	○	○
<i>Asarum heterotropoides</i> var. <i>seoulense</i> (Nakai) Kitag.	서울족도리풀	Pyeongchang County (Gyebangsan (Mt.))-120523-446	UG12	○	○
<i>Asarum sieboldii</i> Miq.	족도리풀	Pyeongchang County (Gyebangsan (Mt.))-120523-062	NG10, NG12, PG12, PG14, SG08, SG14	○	○
<i>Asarum versicolor</i> (K.Yamaki) Y.N.Lee	무늬족도리풀	Pyeongchang County (Gyebangsan (Mt.))-120523-347	SG08	○	
작약과 Paeoniaceae					
<i>Paeonia japonica</i> (Makino) Miyabe & Takeda	백작약				○
<i>Paeonia obovata</i> Maxim.	산작약				○
다래나무과 Actinidiaceae					
<i>Actinidia arguta</i> (Siebold & Zucc.) Planch. ex Miq.	다래	Pyeongchang County (Gyebangsan (Mt.))-120523-136	NG12, UG14, SG08	○	○
<i>Actinidia kolomikta</i> (Maxim. & Rupr.) Maxim.	쥐다래	Pyeongchang County (Gyebangsan (Mt.))-120523-288	NG10, PG10, UG12, UG14, SG08	○	○
<i>Actinidia polygama</i> (Siebold & Zucc.) Planch. ex Maxim.	개다래	Pyeongchang County (Gyebangsan (Mt.))-120717-125	NG10, PG10	○	○
물레나물과 Guttiferae					
<i>Hypericum ascyron</i> L.	물레나물	Pyeongchang County (Gyebangsan (Mt.))-120717-018	NG10, NG14, PG10, PG12, UG16	○	○
<i>Hypericum attenuatum</i> Choisy	채고추나물				○
<i>Hypericum erectum</i> Thunb.	고추나물	Pyeongchang County (Gyebangsan (Mt.))-120717-080	PG10	○	○
<i>Hypericum japonicum</i> Thunb.	애기고추나물				○
양귀비과 Papaveraceae					
<i>Chelidonium majus</i> var. <i>asiaticum</i> (Hara) Ohwi	애기풍풀	Pyeongchang County (Gyebangsan (Mt.))-120523-329	NG10, SG08	○	○
<i>Hylomecon vernalis</i> Maxim.	피나물	Pyeongchang County (Gyebangsan (Mt.))-120523-079	PG14, PG16, UG12	○	○
현호색과 Fumariaceae					
<i>Corydalis ambigua</i> Cham. & Schleht.	왜현호색				○
<i>Corydalis misandra</i> B.U.Oh	각시현호색	Pyeongchang County (Gyebangsan (Mt.))-120418-020	SG08	○	
<i>Corydalis ochotensis</i> Turcz.	눈괴불주머니				○
<i>Corydalis pauciovulata</i> Ohwi	선괴불주머니	Pyeongchang County (Gyebangsan (Mt.))-120823-162	NG10, SG08	○	○
<i>Corydalis remota</i> Fisch. ex Maxim.	현호색	Pyeongchang County (Gyebangsan (Mt.))-120418-001	NG10, NG14, PG14, UG16, SG08, SG12	○	○
<i>Corydalis speciosa</i> Maxim.	산괴불주머니	Pyeongchang County (Gyebangsan (Mt.))-120418-007	NG10, NG12, PG14, UG12, SG08	○	○
<i>Dicentra spectabilis</i> (L.) Lem.	금낭화				○
십자화과 Cruciferae					
<i>Arabis columnalis</i> Nakai	참장대나물				○
<i>Arabis gemmifera</i> (Matsum.) Makino	산장대	Pyeongchang County (Gyebangsan (Mt.))-120523-188	NG12, UG14, UG16	○	○
<i>Arabis glabra</i> Bernh.	장대나물	Pyeongchang County (Gyebangsan (Mt.))-120523-135	NG12, PG10	○	○
<i>Arabis pendula</i> L.	느러진장대	Pyeongchang County (Gyebangsan (Mt.))-120823-272	NG10	○	○
<i>Barbarea orthoceras</i> Ledeb.	나도냉이	Pyeongchang County (Gyebangsan (Mt.))-120523-191	NG10, NG12, PG10, SG08	○	○
<i>Berteroella maximowiczii</i> (Palib.) O.E.Schulz	장대냉이				○
<i>Capsella bursapastoris</i> (L.) L.W.Medicus	냉이	Pyeongchang County (Gyebangsan (Mt.))-120523-276	SG08, SG10	○	○
<i>Cardamine amaraeformis</i> Nakai	꽃향새냉이	Pyeongchang County (Gyebangsan (Mt.))-120523-048	NG10, NG12, SG08, SG14	○	○
<i>Cardamine flexuosa</i> With.	향새냉이				○
<i>Cardamine impatiens</i> L.	싸리냉이	Pyeongchang County (Gyebangsan (Mt.))-120523-205	NG10, NG12, UG14, SG08	○	○
<i>Cardamine komarovii</i> Nakai	논쟁이냉이	Pyeongchang County (Gyebangsan (Mt.))-120418-024	NG10, NG12, NG14, PG10, UG16, SG08, SG12, SG14	○	○
<i>Cardamine leucantha</i> (Tausch) O.E.Schulz	미나리냉이	Pyeongchang County (Gyebangsan (Mt.))-120523-154	NG10, NG12, PG12, UG12, SG08, SG12	○	○
<i>Cardamine scutata</i> Thunb.	큰향새냉이	Pyeongchang County (Gyebangsan (Mt.))-120926-159	NG10, NG12, UG12, SG14	○	○
<i>Dontostemon dentatus</i> (Bunge) Ledeb.	가는장대				○
<i>Draba nemorosa</i> L.	꽃다지	Pyeongchang County (Gyebangsan (Mt.))-120418-010	NG10, NG12, SG08	○	○
<i>Lepidium apetalum</i> Willd.	다닥냉이				○
<i>Lepidium virginicum</i> L.	콩다닥냉이	Pyeongchang County (Gyebangsan (Mt.))-120717-132	PG10	○	

<i>Rorippa indica</i> (L.) Hiern	개갓냉이					○
<i>Rorippa palustris</i> (Leyss.) Besser	속속이풀	Pyeongchang County (Gyebangsan (Mt.))-120523-289	PG10, UG12, SG08		○	○
<i>Sisymbrium luteum</i> (Maxim.) O.E.Schulz	노란장대	Pyeongchang County (Gyebangsan (Mt.))-120523-460	UG14		○	○
<i>Thlaspi arvense</i> L.	말냉이					○
버즘나무과 Platanaceae						
<i>Platanus occidentalis</i> L.	양버즘나무					○
돌나물과 Crassulaceae						
<i>Hylotelephium erythrostictum</i> (Miq.) H.Ohba	정의비름	Pyeongchang County (Gyebangsan (Mt.))-120926-058	NG10		○	○
<i>Hylotelephium verticillatum</i> (L.) H.Ohba	세잎정의비름	Pyeongchang County (Gyebangsan (Mt.))-120823-123	NG12, PG16, SG08		○	○
<i>Meterostachys sikokiana</i> (Makino) Nakai	난쟁이바위솔					○
<i>Penthorum chinense</i> Pursh	낙지다리					○
<i>Sedum aizoon</i> L.	가는기린초	Pyeongchang County (Gyebangsan (Mt.))-120717-175	PG10		○	○
<i>Sedum kamtschaticum</i> Fisch. & Mey.	기린초	Pyeongchang County (Gyebangsan (Mt.))-120717-250	NG10, SG08		○	○
<i>Sedum polytrichoides</i> Hemsf.	바위채송화					○
<i>Sedum sarmentosum</i> Bunge	돌나물					○
범의귀과 Saxifragaceae						
<i>Astilbe koreana</i> (Kom.) Nakai	속은노루오줌					○
<i>Astilbe rubra</i> Hook.f. & Thomson	노루오줌	Pyeongchang County (Gyebangsan (Mt.))-120717-275	NG10, NG12, PG14, UG16		○	○
<i>Chrysosplenium flagelliferum</i> F.Schmidt	애기괭이눈	Pyeongchang County (Gyebangsan (Mt.))-120418-030	NG10, NG12, NG14, SG08		○	○
<i>Chrysosplenium grayanum</i> Maxim.	괭이눈					○
<i>Chrysosplenium japonicum</i> (Maxim.) Makino	산괭이눈					○
<i>Chrysosplenium pilosum</i> var. <i>fulvum</i> (N.Terracc.) H. Hara	흰괭이눈	Pyeongchang County (Gyebangsan (Mt.))-120523-038	NG12		○	○
<i>Chrysosplenium pilosum</i> var. <i>sphaerospermum</i> H. Hara	금괭이눈	Pyeongchang County (Gyebangsan (Mt.))-120418-044	NG14		○	
<i>Chrysosplenium pseudofauriei</i> H.Lev.	선괭이눈	Pyeongchang County (Gyebangsan (Mt.))-120418-003	UG14, SG08		○	○
<i>Chrysosplenium ramosum</i> Maxim.	가지괭이눈	Pyeongchang County (Gyebangsan (Mt.))-120523-007	NG12, NG14		○	
<i>Deutzia glabrata</i> Kom.	물참대	Pyeongchang County (Gyebangsan (Mt.))-120523-171	NG10, NG12, NG14, PG10, UG12, SG10, SG12, SG14		○	○
<i>Deutzia grandiflora</i> var. <i>baroniana</i> Diels	바위말밭도리					○
<i>Deutzia parviflora</i> Bunge	말밭도리	Pyeongchang County (Gyebangsan (Mt.))-120823-157	SG08		○	○
<i>Deutzia uniflora</i> Shirai	매화말밭도리	Pyeongchang County (Gyebangsan (Mt.))-120523-033	NG10-1, NG12, PG12-1, UG12, UG14, SG08		○	○
<i>Hydrangea serrata</i> f. <i>acuminata</i> (Siebold & Zucc.) E.H.Wilson	산수국					○
<i>Mukdenia rossii</i> (Oliv.) Koidz.	돌단풍					○
<i>Mukdenia rossii</i> f. <i>multiloba</i> (Nakai) W.T.Lee	큰돌단풍					○
<i>Parnassia palustris</i> L.	물매화					○
<i>Philadelphus pekinensis</i> Rupr.	애기고광나무					○
<i>Philadelphus schrenkii</i> Rupr.	고광나무	Pyeongchang County (Gyebangsan (Mt.))-120717-099	NG10, PG10, SG08		○	○
<i>Philadelphus schrenkii</i> var. <i>jackii</i> Koehne	털고광나무					○
<i>Philadelphus tenuifolius</i> Rupr. & Maxim.	얇은잎고광나무					○
<i>Ribes fasciculatum</i> var. <i>chinense</i> Maxim.	까마귀밥나무	Pyeongchang County (Gyebangsan (Mt.))-120823-096	F06		○	
<i>Ribes komarovi</i> Pojark.	꼬리까치밥나무					○
<i>Ribes komarovi</i> var. <i>breviracemum</i> (Nakai) T.B.Lee	좁꼬리까치밥나무					○
<i>Ribes mandshuricum</i> (Maxim.) Kom.	까치밥나무	Pyeongchang County (Gyebangsan (Mt.))-120523-080	PG10, PG14, UG14, UG16, SG16		○	○
<i>Ribes maximowiczianum</i> Kom.	명자순	Pyeongchang County (Gyebangsan (Mt.))-120523-120	PG14, UG12, UG14		○	○
<i>Ribes triste</i> Pall.	눈까치밥나무					○
<i>Rodgersia podophylla</i> A.Gray	도깨비부채	Pyeongchang County (Gyebangsan (Mt.))-120523-030	NG10, NG12, NG14, NG16, PG16, SG08, SG12, SG14		○	○
<i>Saxifraga fortunei</i> var. <i>incisolobata</i> (Engl. & Irmsch.) Nakai	바위떡풀	Pyeongchang County (Gyebangsan (Mt.))-120823-331	NG10, PG16		○	○
<i>Saxifraga manchuriensis</i> (Engl.) Kom.	흰바위취					○
<i>Saxifraga oblongifolia</i> Nakai	참바위취					○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Saxifraga stolonifera</i> Meerb.	바위취				○
장미과 Rosaceae					
<i>Agrimonia coreana</i> Nakai	산짚신나물				○
<i>Agrimonia pilosa</i> Ledeb.	짚신나물	Pyeongchang County (Gyebangsan (Mt.))-120717-159	NG10, NG12, PG10, UG12, UG14, SG16	○	○
<i>Aruncus dioicus</i> var. <i>kamtschaticus</i> (Maxim.) H. Hara	눈개승마	Pyeongchang County (Gyebangsan (Mt.))-120523-105	NG10, NG12, NG14, NG16, PG14, PG16, UG16, SG12, SG14, SG16	○	○
<i>Crataegus pinnatifida</i> Bunge	산사나무	Pyeongchang County (Gyebangsan (Mt.))-120523-306	SG08	○	○
<i>Crataegus pinnatifida</i> f. <i>pilosa</i> (C.K.Schneid.) Kitag.	털산사				○
<i>Crataegus pinnatifida</i> var. <i>major</i> N.E.Br.	넓은잎산사				○
<i>Crataegus pinnatifida</i> var. <i>partita</i> Nakai ex T.H.Chung	가새잎산사				○
<i>Duchesnea indica</i> (Andr.) Focke	뱀딸기	Pyeongchang County (Gyebangsan (Mt.))-120717-085	NG10, PG10	○	○
<i>Filipendula glaberrima</i> (Nakai) Nakai	터리풀	Pyeongchang County (Gyebangsan (Mt.))-120523-072	NG12, NG16, PG14, PG16, UG16	○	○
<i>Filipendula palmata</i> (Pall.) Maxim.	단풍터리풀				○
<i>Geum aleppicum</i> Jacq.	큰뱀무	Pyeongchang County (Gyebangsan (Mt.))-120717-251	NG10, NG14, UG12	○	○
<i>Geum japonicum</i> Thunb.	뱀무	Pyeongchang County (Gyebangsan (Mt.))-120717-274	NG10	○	○
<i>Malus baccata</i> Borkh.	야광나무	Pyeongchang County (Gyebangsan (Mt.))-120523-060	PG12, PG14, UG16, SG16	○	○
<i>Malus baccata</i> f. <i>jackii</i> Rehder	민야광나무				○
<i>Malus baccata</i> var. <i>mandshurica</i> (Maxim.) C.K.Schneid.	털야광나무	Pyeongchang County (Gyebangsan (Mt.))-120523-520		○	○
<i>Malus sieboldii</i> (Regel) Rehder	아그배나무				○
<i>Potentilla anemonefolia</i> Lehm.	가락지나물				○
<i>Potentilla centigrana</i> Maxim.	좁쌀기	Pyeongchang County (Gyebangsan (Mt.))-120523-181	NG12, SG08, SG10	○	○
<i>Potentilla chinensis</i> Ser.	딱지꽃	Pyeongchang County (Gyebangsan (Mt.))-120926-179	SG08	○	○
<i>Potentilla cryptotaeniae</i> Maxim.	물양지꽃	Pyeongchang County (Gyebangsan (Mt.))-120717-012	NG10, PG10, UG12, UG14	○	○
<i>Potentilla dickinsii</i> Franch. & Sav.	돌양지꽃				○
<i>Potentilla fragarioides</i> var. <i>major</i> Maxim.	양지꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-141	NG10, PG10, UG16	○	○
<i>Potentilla freyniana</i> Bornm.	세잎양지꽃				○
<i>Potentilla yokusaina</i> Makino	민눈양지꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-343	SG08	○	○
<i>Prunus avium</i> L.	양벚나무				○
<i>Prunus japonica</i> var. <i>nakaii</i> (H.Lev.) Rehder	이스라지				○
<i>Prunus maackii</i> Rupr.	개벚지나무	Pyeongchang County (Gyebangsan (Mt.))-120523-354	SG08	○	○
<i>Prunus mandshurica</i> (Maxim.) Koehne	개살구나무				○
<i>Prunus maximowiczii</i> Rupr.	산개벚지나무				○
<i>Prunus padus</i> L.	귀룽나무	Pyeongchang County (Gyebangsan (Mt.))-120523-010	NG10, NG12, NG14, NG16, PG14, PG16, UG16, SG08, SG12	○	○
<i>Prunus padus</i> f. <i>glauca</i> (Nakai) Kitag.	흰귀룽나무				○
<i>Prunus persica</i> (L.) Batsch	복사나무				○
<i>Prunus salicina</i> Lindl.	자두나무				○
<i>Prunus sargentii</i> Rehder	산벚나무	Pyeongchang County (Gyebangsan (Mt.))-120523-160	NG12	○	○
<i>Prunus serrulata</i> var. <i>pubescens</i> (Makino) Nakai	잔털벚나무	Pyeongchang County (Gyebangsan (Mt.))-120717-207	PG10	○	○
<i>Prunus serrulata</i> var. <i>spontanea</i> (Maxim.) E.H.Wilson	벚나무				○
<i>Pyrus calleryana</i> var. <i>fauriei</i> (C.K.Schneid.) Rehder	콩배나무				○
<i>Pyrus ussuriensis</i> Maxim.	산돌배	Pyeongchang County (Gyebangsan (Mt.))-120523-015	NG10, NG12, NG14, PG16, UG12, UG14, UG16, SG16	○	○
<i>Pyrus ussuriensis</i> var. <i>diamantica</i> Uyeki	금강산돌배				○
<i>Pyrus ussuriensis</i> var. <i>hakunensis</i> (Nakai) T.B.Lee	백운배나무				○
<i>Pyrus ussuriensis</i> var. <i>pubescens</i> Nakai ex Kawamoto ex Nakai	털산돌배				○
<i>Rosa davurica</i> Pall.	생열귀나무				○
<i>Rosa davurica</i> var. <i>ellipsoidea</i> Nakai	긴생열귀				○

<i>Rosa multiflora</i> Thunb.	찔레꽃					○	
<i>Rosa pimpinellifolia</i> L.	둥근인가목					○	
<i>Rosa suaveis</i> Willd.	인가목	Pyeongchang County (Gyebangsan (Mt.))-120523-070		NG16, PG14, PG16, UG14, UG16, SG14		○	
<i>Rubus coreanus</i> Miq.	복분자딸기					○	
<i>Rubus crataegifolius</i> Bunge	산딸기	Pyeongchang County (Gyebangsan (Mt.))-120523-158		NG10, NG12, PG14, PG16, UG12		○	
<i>Rubus oldhamii</i> Miq.	줄딸기	Pyeongchang County (Gyebangsan (Mt.))-120523-215		NG12, SG10		○	
<i>Rubus parvifolius</i> L.	멍석딸기	Pyeongchang County (Gyebangsan (Mt.))-120717-038		SG08		○	
<i>Rubus phoenicolasius</i> Maxim.	곰딸기	Pyeongchang County (Gyebangsan (Mt.))-120717-146		NG10, PG10		○	
<i>Sanguisorba hakusanensis</i> Makino	산오이풀					○	
<i>Sanguisorba officinalis</i> L.	오이풀					○	
<i>Sorbaria sorbifolia</i> f. <i>glandulosa</i> (Nakai) T.B.Lee	침취땅나무	Pyeongchang County (Gyebangsan (Mt.))-120823-061		PG12, UG12, UG14		○	
<i>Sorbaria sorbifolia</i> f. <i>incerta</i> (C.K.Schneid.) Kitag.	침취땅나무					○	
<i>Sorbaria sorbifolia</i> var. <i>stellipila</i> Maxim.	취땅나무	Pyeongchang County (Gyebangsan (Mt.))-120523-338		NG10, PG10, PG16, SG08		○	
<i>Sorbus alnifolia</i> (Siebold & Zucc.) K.Koch	팔배나무					○	
<i>Sorbus alnifolia</i> f. <i>oblongifolia</i> (Nakai) W.T.Lee	긴잎팔배나무					○	
<i>Sorbus amurensis</i> Koehne	당마가목	Pyeongchang County (Gyebangsan (Mt.))-120523-108		PG14, UG14, SG10		○	
<i>Sorbus commixta</i> Hedl.	마가목					○	
<i>Spiraea blumei</i> G.Don	산조팝나무					○	
<i>Spiraea chamaedryfolia</i> L.	인가목조팝나무					○	
<i>Spiraea chamaedryfolia</i> var. <i>pilosa</i> Hara	털인가목조팝나무	Pyeongchang County (Gyebangsan (Mt.))-120523-084		NG16-1, PG14		○	
<i>Spiraea fritschiana</i> Schneid	참조팝나무	Pyeongchang County (Gyebangsan (Mt.))-120717-137		PG10, UG16		○	
<i>Spiraea miyabei</i> Koidz.	덜불조팝나무					○	
<i>Spiraea prunifolia</i> f. <i>simpliciflora</i> Nakai	조팝나무	Pyeongchang County (Gyebangsan (Mt.))-120523-103		SG08		○	
<i>Spiraea salicifolia</i> L.	꼬리조팝나무					○	
<i>Stephanandra incisa</i> (Thunb.) Zabel	국수나무	Pyeongchang County (Gyebangsan (Mt.))-120523-207		NG10, NG12, UG12, UG14, UG16, SG08		○	
<i>Waldsteinia ternata</i> (Stephan) Fritsch	나도양지꽃	Pyeongchang County (Gyebangsan (Mt.))-120418-029		SG08		○	
콩과 Leguminosae							
<i>Aeschynomene indica</i> L.	자귀풀	Pyeongchang County (Gyebangsan (Mt.))-120926-193		UG12		○	
<i>Amorpha fruticosa</i> L.	죽제비싸리	Pyeongchang County (Gyebangsan (Mt.))-120717-211		PG10		○	
<i>Amphicarpaea bracteata</i> subsp. <i>edgeworthii</i> (Benth.) H.Ohashi	새콩	Pyeongchang County (Gyebangsan (Mt.))-120823-187		NG10, UG12, SG08		○	
<i>Astragalus mongholicus</i> Bunge	황기					○	
<i>Chamaecrista nomame</i> (Siebold) H.Ohashi	차풀					○	
<i>Crotalaria sessiliflora</i> L.	활나무					○	
<i>Desmodium podocarpum</i> var. <i>oxyphyllum</i> (DC.) H.Ohashi	도독놈의갈고리	Pyeongchang County (Gyebangsan (Mt.))-120823-008		NG10, UG14, SG08		○	
<i>Glycine soja</i> Siebold & Zucc.	돌콩					○	
<i>Indigofera kirilowii</i> Maxim. ex Palib.	땅비싸리	Pyeongchang County (Gyebangsan (Mt.))-120717-074		PG10		○	
<i>Kummerowia stipulacea</i> (Maxim.) Makino	둥근매듭풀					○	
<i>Kummerowia striata</i> (Thunb.) Schindl.	매듭풀					○	
<i>Lathyrus davidii</i> Hance	활량나무	Pyeongchang County (Gyebangsan (Mt.))-120823-114		SG08		○	
<i>Lathyrus komarovii</i> Ohwi	선연리초	Pyeongchang County (Gyebangsan (Mt.))-120523-096		PG14		○	
<i>Lespedeza bicolor</i> Turcz.	싸리					○	
<i>Lespedeza cuneata</i> G.Don	비수리					○	
<i>Lespedeza cyrtobotrya</i> Miq.	참싸리	Pyeongchang County (Gyebangsan (Mt.))-120717-204		NG10, PG10		○	
<i>Lespedeza juncea</i> (L.f.) Pers.	땅비수리	Pyeongchang County (Gyebangsan (Mt.))-120926-190		SG08		○	
<i>Lespedeza maximowiczii</i> C.K.Schneid.	조록싸리	Pyeongchang County (Gyebangsan (Mt.))-120717-203		NG10, PG10, UG14, SG08		○	
<i>Lespedeza maximowiczii</i> var. <i>tomentella</i> Nakai	털조록싸리					○	
<i>Lespedeza xschindleri</i> T.B.Lee	잡싸리					○	
<i>Lespedeza thunbergii</i> subsp. <i>formosa</i> (Vogel) H.Ohashi	풀싸리					○	
<i>Lespedeza tomentosa</i> (Thunb.) Siebold ex Maxim.	개싸리					○	

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Maackia amurensis</i> Rupr. & Maxim.	다릅나무	Pyeongchang County (Gyebangsan (Mt.))-120717-152	NG10, PG10, PG12	○	○
<i>Maackia amurensis</i> var. <i>buergeri</i> C.K.Schneid.	개물푸레나무				○
<i>Pueraria lobata</i> (Willd.) Ohwi	취				○
<i>Robinia pseudoacacia</i> L.	아까시나무	Pyeongchang County (Gyebangsan (Mt.))-120823-283	NG10	○	○
<i>Sophora flavescens</i> Solander ex Aiton	고삼				○
<i>Trifolium repens</i> L.	토끼풀	Pyeongchang County (Gyebangsan (Mt.))-120523-254	PG10, SG10	○	○
<i>Vicia amoena</i> Fisch. ex DC.	갈퀴나물	Pyeongchang County (Gyebangsan (Mt.))-120717-140	PG10	○	○
<i>Vicia amurensis</i> Oett.	벌완두	Pyeongchang County (Gyebangsan (Mt.))-120823-098	SG08	○	○
<i>Vicia chosonensis</i> Ohwi	노랑갈퀴	Pyeongchang County (Gyebangsan (Mt.))-120523-053	PG10, PG12, SG08	○	○
<i>Vicia japonica</i> A.Gray	넓은잎갈퀴				○
<i>Vicia nipponica</i> Matsum.	네잎갈퀴나물				○
<i>Vicia unijuga</i> A.Braun	나비나물	Pyeongchang County (Gyebangsan (Mt.))-120823-021	PG14, UG12, UG14	○	○
<i>Vicia unijuga</i> f. <i>angustifolia</i> Makino ex Ohwi	긴잎나비나물				○
<i>Vicia unijuga</i> var. <i>ouensanensis</i> H.Lev.	큰나비나물				○
<i>Vicia venosa</i> var. <i>cuspidata</i> Maxim.	광릉갈퀴	Pyeongchang County (Gyebangsan (Mt.))-120823-088	UG16, SG16	○	○
<i>Vigna angularis</i> var. <i>nipponensis</i> (Ohwi) Ohwi & H.Ohashi	새팥				○
괭이밥과 Oxalidaceae					
<i>Oxalis acetosella</i> L.	애기괭이밥	Pyeongchang County (Gyebangsan (Mt.))-120523-576	SG14	○	○
<i>Oxalis corniculata</i> L.	괭이밥	Pyeongchang County (Gyebangsan (Mt.))-120717-246	NG10, SG08	○	○
<i>Oxalis obtriangulata</i> Maxim.	큰괭이밥	Pyeongchang County (Gyebangsan (Mt.))-120523-014	NG10, NG14, UG14, SG12	○	○
<i>Oxalis stricta</i> L.	선괭이밥	Pyeongchang County (Gyebangsan (Mt.))-120717-266	NG10	○	○
쥐손이풀과 Geraniaceae					
<i>Geranium eriostemon</i> Fisher ex DC.	꽃쥐손이	Pyeongchang County (Gyebangsan (Mt.))-120823-321	PG16	○	○
<i>Geranium knuthii</i> Nakai	큰세잎쥐손이	Pyeongchang County (Gyebangsan (Mt.))-120823-067	UG16	○	○
<i>Geranium koreanum</i> Kom.	둥근이질풀				○
<i>Geranium sibiricum</i> L.	쥐손이풀	Pyeongchang County (Gyebangsan (Mt.))-120717-167	NG10, PG10	○	○
<i>Geranium thunbergii</i> Siebold & Zucc.	이질풀				○
<i>Geranium wilfordii</i> Maxim.	세잎쥐손이	Pyeongchang County (Gyebangsan (Mt.))-120717-043	NG10, SG08	○	○
대극과 Euphorbiaceae					
<i>Acalypha australis</i> L.	깨풀	Pyeongchang County (Gyebangsan (Mt.))-120823-167	UG12, SG08	○	○
<i>Euphorbia pekinensis</i> Rupr.	대극				○
<i>Euphorbia sieboldiana</i> Morren & Decne.	개감수				○
<i>Phyllanthus ussuriensis</i> Rupr. & Maxim.	여우주머니				○
<i>Ricinus communis</i> L.	피마자				○
<i>Securinega suffruticosa</i> (Pall.) Rehder	광대싸리	Pyeongchang County (Gyebangsan (Mt.))-120823-116	SG08	○	○
운향과 Rutaceae					
<i>Dictamnus dasycarpus</i> Turcz.	백선				○
<i>Phellodendron amurense</i> Rupr.	황벽나무				○
<i>Phellodendron amurense</i> f. <i>molle</i> (Nakai) W.T.Lee	달향벽				○
<i>Zanthoxylum schinifolium</i> Siebold & Zucc.	산초나무				○
소태나무과 Simaroubaceae					
<i>Picrasma quassioides</i> (D.Don) Benn.	소태나무				○
원지과 Polygalaceae					
<i>Polygala japonica</i> Houtt.	애기풀				○
<i>Polygala tatarinowii</i> Regel	병아리풀				○
욱나무과 Anacardiaceae					
<i>Rhus javanica</i> L.	붉나무	Pyeongchang County (Gyebangsan (Mt.))-120823-206	SG08	○	○
<i>Rhus tricocarpa</i> Miq.	개욱나무	Pyeongchang County (Gyebangsan (Mt.))-120717-131	PG10	○	○
단풍나무과 Aceraceae					
<i>Acer barbinerve</i> Maxim.	청시닥나무	Pyeongchang County (Gyebangsan (Mt.))-120523-026	NG10, NG12, NG14, NG16, PG14, SG08	○	○
<i>Acer komarovii</i> Pojark.	시닥나무	Pyeongchang County (Gyebangsan (Mt.))-120523-126	NG12, PG14, UG14, UG16, SG12, SG14	○	○
<i>Acer mandshuricum</i> Maxim.	복장나무	Pyeongchang County (Gyebangsan (Mt.))-120523-350	NG10, NG12, NG14, UG16, SG08	○	○

<i>Acer pictum</i> Thunb.	털고로쇠나무					○
<i>Acer pictum</i> var. <i>truncatum</i> (Bunge) C.S.Chang	만주고로쇠					○
<i>Acer pictum</i> subsp. <i>mono</i> (Maxim.) Ohashi	고로쇠나무	Pyeongchang County (Gyebangsang (Mt.))-120523-278	NG10, NG12, NG14, UG14-1, UG16, SG08, SG10, SG12	○		○
<i>Acer pseudosieboldianum</i> (Pax) Kom.	당단풍나무	Pyeongchang County (Gyebangsang (Mt.))-120523-109	NG12, NG16-1, PG14, UG16, SG08,	○		○
<i>Acer tataricum</i> subsp. <i>ginnala</i> (Maxim.) Wesm.	신나무	Pyeongchang County (Gyebangsang (Mt.))-120523-187	NG10, NG12, PG10	○		○
<i>Acer tegmentosum</i> Maxim.	산겨릅나무	Pyeongchang County (Gyebangsang (Mt.))-120523-024	NG12, NG14, NG16, SG14	○		○
<i>Acer triflorum</i> Kom.	복자기	Pyeongchang County (Gyebangsang (Mt.))-120717-117	NG14, PG10	○		○
<i>Acer ukurunduense</i> Trautv. & C.A.Mey.	부계꽃나무	Pyeongchang County (Gyebangsang (Mt.))-120523-247	NG10, NG14, PG16, UG14, SG08	○		○
봉선화과 Balsaminaceae						
<i>Impatiens furcillata</i> Hemsl.	산물봉선	Pyeongchang County (Gyebangsang (Mt.))-120717-056	UG14, SG08	○		
<i>Impatiens nolintangere</i> L.	노랑물봉선	Pyeongchang County (Gyebangsang (Mt.))-120717-185	NG10, PG10, SG08	○		○
<i>Impatiens textori</i> Miq.	물봉선	Pyeongchang County (Gyebangsang (Mt.))-120823-213	NG10, SG08	○		○
<i>Impatiens textori</i> var. <i>koreana</i> Nakai	흰물봉선					○
노박덩굴과 Celastraceae						
<i>Celastrus flagellaris</i> Rupr.	푼지나무					○
<i>Celastrus orbiculatus</i> Thunb.	노박덩굴	Pyeongchang County (Gyebangsang (Mt.))-120717-019	NG10, PG10, SG08	○		○
<i>Celastrus orbiculatus</i> var. <i>sylvestris</i> (Siebold) Nakai ex Mori	덤불노박덩굴					○
<i>Euonymus alatus</i> (Thunb.) Siebold	화살나무	Pyeongchang County (Gyebangsang (Mt.))-120523-203	NG10, NG12, PG10, UG12	○		○
<i>Euonymus alatus</i> f. <i>ciliatodentatus</i> (Franch. & Sav.) Hiyama	회잎나무	Pyeongchang County (Gyebangsang (Mt.))-120523-249	NG10, NG12, PG14, UG12, SG08	○		○
<i>Euonymus alatus</i> f. <i>pilosus</i> (Loes. & Rehd.) Ohwi	털화살나무					○
<i>Euonymus hamiltonianus</i> Wall.	참빗살나무					○
<i>Euonymus hamiltonianus</i> var. <i>maackii</i> (Rupr.) Kom.	좁은잎참빗살나무					○
<i>Euonymus macropterus</i> Rupr.	나래회나무	Pyeongchang County (Gyebangsang (Mt.))-120523-114	NG10, NG12, NG14, PG14, PG16, UG14, UG16, SG08, SG14	○		○
<i>Euonymus oxyphyllus</i> Miq.	참회나무	Pyeongchang County (Gyebangsang (Mt.))-120523-216	NG10, NG12, NG14, NG16, SG08	○		○
<i>Euonymus pauciflorus</i> Maxim.	회목나무	Pyeongchang County (Gyebangsang (Mt.))-120523-449	NG10, UG14	○		○
<i>Euonymus sachalinensis</i> (F.Schmidt) Maxim.	회나무	Pyeongchang County (Gyebangsang (Mt.))-120717-003	E08	○		○
<i>Tripterygium regelii</i> Sprague & Takeda	미역줄나무	Pyeongchang County (Gyebangsang (Mt.))-120717-149	NG10, NG12, PG10, PG12, PG14, UG12, UG14, UG16	○		○
고추나무과 Staphyleaceae						
<i>Staphylea bumalda</i> DC.	고추나무	Pyeongchang County (Gyebangsang (Mt.))-120523-305	NG10, PG10, UG14, SG08	○		○
갈매나무과 Rhamnaceae						
<i>Rhamnus davurica</i> Pall.	갈매나무	Pyeongchang County (Gyebangsang (Mt.))-120523-064	PG12, UG16	○		○
<i>Rhamnus koraiensis</i> C.K.Schneid.	털갈매나무					○
<i>Rhamnus parvifolia</i> Bunge	돌갈매나무					○
<i>Rhamnus ussuriensis</i> J.Vass	참갈매나무					○
<i>Rhamnus yoshinoi</i> Makino	찍자래나무	Pyeongchang County (Gyebangsang (Mt.))-120523-235	SG12	○		○
포도과 Vitaceae						
<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.	개머루	Pyeongchang County (Gyebangsang (Mt.))-120823-210	SG08	○		○
<i>Parthenocissus tricuspidata</i> (Siebold & Zucc.) Planch.	담쟁이덩굴					○
<i>Vitis amurensis</i> Rupr.	왕머루					○
<i>Vitis coignetiae</i> Pulliat ex Planch.	머루					○
피나무과 Tiliaceae						
<i>Corchoropsis tomentosa</i> (Thunb.) Makino	수까치개	Pyeongchang County (Gyebangsang (Mt.))-120823-120	SG08	○		○
<i>Tilia amurensis</i> Rupr.	피나무	Pyeongchang County (Gyebangsang (Mt.))-120823-298	NG10, PG14, PG16, UG12, UG14	○		○
<i>Tilia koreana</i> Nakai	연밥피나무					○
<i>Tilia mandshurica</i> Rupr. & Maxim.	찰피나무	Pyeongchang County (Gyebangsang (Mt.))-120717-121	NG10, PG10	○		○
<i>Tilia megaphylla</i> Nakai	염주나무					○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Tilia ovalis</i> Nakai	웅기피나무				○
<i>Tilia rufa</i> Nakai	털피나무				○
<i>Tilia taquetii</i> C.K.Schneid.	뽕잎피나무				○
보리수나무과 Elaeagnaceae					
<i>Elaeagnus umbellata</i> Thunb.	보리수나무				○
제비꽃과 Violaceae					
<i>Viola acuminata</i> Ledeb.	줄방제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-199	NG10, NG12, PG10, PG14, UG12, SG08	○	○
<i>Viola albida</i> Palib.	태백제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-186	NG10, NG12, UG14, UG16	○	○
<i>Viola albida</i> f. <i>takahashii</i> (Makino) W.T.Lee	단풍제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-013	NG12, NG14	○	○
<i>Viola albida</i> var. <i>chaerophylloides</i> (Regel) F.Maek. ex Hara	남산제비꽃				○
<i>Viola collina</i> Besser	동근털제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120418-011	NG12, PG10, PG12, UG12, SG08	○	○
<i>Viola diamantiaca</i> Nakai	금강제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-063	PG12, UG12, UG14	○	○
<i>Viola keiskei</i> Miq.	잔털제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120823-089	UG16	○	○
<i>Viola mandshurica</i> W.Becker	제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-210	NG10, NG12, UG12, SG10	○	○
<i>Viola orientalis</i> (Maxim.) W.Becker	노랑제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-502	NG16, UG16	○	○
<i>Viola phalacrocarpa</i> Maxim.	털제비꽃				○
<i>Viola rossii</i> Hemsl.	고깔제비꽃				○
<i>Viola selkirkii</i> Pursh ex Goldie	외제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-150	NG10, NG12, SG10, SG14	○	○
<i>Viola tokubuchiana</i> var. <i>takedana</i> (Makino) F.Maek.	민둥외제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120717-059	SG08	○	○
<i>Viola variegata</i> Fisch. ex Link	알록제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-261	SG10	○	○
<i>Viola variegata</i> var. <i>chinensis</i> Bunge	자주알록제비꽃				○
<i>Viola verecunda</i> A.Gray	콩제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-167	NG10, NG12, UG12, SG08	○	○
<i>Viola websteri</i> Hemsl.	왕제비꽃				○
<i>Viola yedoensis</i> Makino	호제비꽃	Pyeongchang County (Gyebangsan (Mt.))-120717-112	PG10	○	○
박과 Cucurbitaceae					
<i>Schizopepon bryoniaefolius</i> Maxim.	산외	Pyeongchang County (Gyebangsan (Mt.))-120717-114	PG10, UG12	○	○
부처꽃과 Lythraceae					
<i>Lythrum anceps</i> (Koehne) Makino	부처꽃				○
바늘꽃과 Onagraceae					
<i>Circaea alpina</i> L.	취털이슬	Pyeongchang County (Sucheonggol Valley in Gyebangsan (Mt.))-120926-016	SG08	○	○
<i>Circaea cordata</i> Royle	쇠털이슬				○
<i>Circaea quadrisulcata</i> (Maxim.) Franch. & Sav.	말털이슬				○
<i>Epilobium cephalostigma</i> Hausskn.	돌바늘꽃				○
<i>Epilobium pyrricholophum</i> Franch. & Sav.	바늘꽃	Pyeongchang County (Gyebangsan (Mt.))-120717-086	PG10, UG12, SG08	○	○
<i>Ludwigia prostrata</i> Roxb.	여뀌바늘				○
<i>Oenothera biennis</i> L.	달맞이꽃	Pyeongchang County (Gyebangsan (Mt.))-120717-087	NG10, PG10	○	○
박취나무과 Alangiaceae					
<i>Alangium plataniifolium</i> var. <i>trilobum</i> (Miq.) Ohwi	박취나무				○
층층나무과 Cornaceae					
<i>Cornus controversa</i> Hemsl.	층층나무	Pyeongchang County (Gyebangsan (Mt.))-120523-280	NG1010, SG10, SG12	○	○
<i>Cornus macrophylla</i> Wall.	곰의말채나무				○
<i>Cornus officinalis</i> Siebold & Zucc.	산수유				○
<i>Cornus walteri</i> F.T.Wangerin	말채나무				○
두릅나무과 Araliaceae					
<i>Aralia cordata</i> var. <i>continentalis</i> (Kitag.) Y.C.Chu	독활	Pyeongchang County (Gyebangsan (Mt.))-120717-109	PG10, SG08	○	○
<i>Aralia elata</i> (Miq.) Seem.	두릅나무				○
<i>Eleutherococcus senticosus</i> (Rupr. & Maxim.) Maxim.	가시오갈피	Pyeongchang County (Gyebangsan (Mt.))-120523-594	SG14	○	○

<i>Eleutherococcus sessiliflorus</i> (Rupr. & Maxim.) S.Y.Hu	오갈피나무	Pyeongchang County (Gyebangsan (Mt.))-120717-025	PG10	○	○
<i>Kalopanax septemlobus</i> (Thunb.) Koidz.	옴나무	Pyeongchang County (Gyebangsan (Mt.))-120926-059	SG08	○	○
<i>Kalopanax septemlobus</i> var. <i>magnificus</i> (Zabel) Hand.-Mazz.	털옴나무				○
<i>Kalopanax septemlobus</i> var. <i>maximowiczii</i> (VanHoutte) Hand.-Mazz.	가는잎옴나무				○
<i>Oplopanax elatus</i> (Nakai) Nakai	뫓두릅나무	Pyeongchang County (Gyebangsan (Mt.))-120823-315	PG16	○	○
산형과 Umbelliferae					
<i>Angelica acutiloba</i> (Siebold & Zucc.) Kitag.	왜당귀	Pyeongchang County (Gyebangsan (Mt.))-120717-158	PG10	○	
<i>Angelica anomala</i> Ave-Lall.	개구릿대	Pyeongchang County (Gyebangsan (Mt.))-120926-142	NG10	○	○
<i>Angelica cartilagino-marginata</i> (Makino) Nakai	처녀바디				○
<i>Angelica dahurica</i> (Fisch. ex Hoffm.) Benth. & Hook.f. ex Franch. & Sav.	구릿대				○
<i>Angelica decursiva</i> (Miq.) Franch. & Sav.	바디나물				○
<i>Angelica genuflexa</i> Nutt. ex Torr. & A.Gray	왜천궁	Pyeongchang County (Gyebangsan (Mt.))-120823-236	NG10	○	○
<i>Angelica gigas</i> Nakai	참당귀	Pyeongchang County (Gyebangsan (Mt.))-120823-318	PG16	○	○
<i>Angelica polymorpha</i> Maxim.	궁궁이	Pyeongchang County (Gyebangsan (Mt.))-120926-136	NG10, UG12	○	
<i>Angelica purpureaefolia</i> Chung	지리강활				○
<i>Angelica tenuissima</i> Nakai	고본				○
<i>Anthriscus sylvestris</i> (L.) Hoffm.	전호	Pyeongchang County (Gyebangsan (Mt.))-120523-268	SG10	○	○
<i>Bupleurum longeradiatum</i> Turcz.	개시호	Pyeongchang County (Gyebangsan (Mt.))-120823-016	NG12, PG12, UG12, UG14	○	○
<i>Cnidium monnieri</i> (L.) Cusson	벌사상자	Pyeongchang County (Gyebangsan (Mt.))-120926-138	SG08	○	○
<i>Cnidium officinale</i> Makino	천궁				○
<i>Cryptotaenia japonica</i> Hassk.	파드득나물	Pyeongchang County (Gyebangsan (Mt.))-120717-067	NG10, PG10	○	○
<i>Cymopterus melanotilingia</i> (H.Boissieu) C.Y.Yoon	큰참나물				○
<i>Heracleum moellendorffii</i> Hance	어수리	Pyeongchang County (Gyebangsan (Mt.))-120823-322	PG16	○	○
<i>Osmorhiza aristata</i> (Thunb.) Makino & Yabe	긴사상자	Pyeongchang County (Gyebangsan (Mt.))-120717-071	PG10	○	○
<i>Ostericum grosseserratum</i> (Maxim.) Kitag.	신감채	Pyeongchang County (Gyebangsan (Mt.))-120823-164	NG10, SG08	○	○
<i>Ostericum praeteritum</i> Kitag.	강활				○
<i>Ostericum maximowiczii</i> (F.Schmidt) Kitag.	가는바디				○
<i>Ostericum sieboldii</i> (Miq.) Nakai	뫓미나리				○
<i>Peucedanum terebinthaceum</i> (Fisch.) Fisch. ex DC.	기름나물				○
<i>Pimpinella brachycarpa</i> (Kom.) Nakai	참나물	Pyeongchang County (Gyebangsan (Mt.))-120823-030	NG10, UG12, UG14, UG16	○	○
<i>Pimpinella gustavohegiana</i> Koidz.	노루참나물				○
<i>Pimpinella koreana</i> (Yabe) Nakai	가는참나물				○
<i>Pleurospermum camtschaticum</i> Hoffm.	왜우산풀				○
<i>Sanicula chinensis</i> Bunge	참반디	Pyeongchang County (Gyebangsan (Mt.))-120717-066	NG10, PG10, UG14	○	○
<i>Sanicula rubriflora</i> F.Schmidt ex Maxim.	붉은참반디				○
<i>Sium ninsi</i> L.	감자개밭나물				○
<i>Sium suave</i> Walter	개밭나물				○
<i>Torilis japonica</i> (Houtt.) DC.	사상자	Pyeongchang County (Gyebangsan (Mt.))-120717-156	NG10, PG10	○	○
노루발과 Pyrolaceae					
<i>Chimaphila japonica</i> Miq.	매화노루발				○
<i>Monotropa uniflora</i> L.	수정난풀				○
<i>Pyrola asarifolia</i> subsp. <i>incarnata</i> (DC.) Haber & Hir. Takah.	분홍노루발				○
<i>Pyrola japonica</i> Klenze ex Alef.	노루발	Pyeongchang County (Gyebangsan (Mt.))-120717-083	PG10	○	○
진달래과 Ericaceae					
	만병초	Pyeongchang County (Gyebangsan (Mt.))-120523-573	NG14, PG16, SG14	○	○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Rhododendron brachycarpum</i> D.Don ex G.Don					
<i>Rhododendron mucronulatum</i> var. <i>ciliatum</i> Nakai	털진달래	Pyeongchang County (Gyebangsan (Mt.))-120523-122	PG14, UG12, UG14, UG16	○	○
<i>Rhododendron mucronulatum</i> Turcz.	진달래	Pyeongchang County (Gyebangsan (Mt.))-120523-091	NG14, PG14	○	○
<i>Rhododendron schlippenbachii</i> Maxim.	철쭉	Pyeongchang County (Gyebangsan (Mt.))-120523-090	NG10, NG16, PG12, PG14, UG12, UG14, UG16	○	○
<i>Rhododendron yedoense</i> f. <i>poukhanense</i> (H.Lev.) M.Sugim. ex T.Yamaz.	산철쭉				○
<i>Vaccinium hirtum</i> var. <i>koreanum</i> (Nakai) Kitam.	산앵도나무	Pyeongchang County (Gyebangsan (Mt.))-120523-098	NG16, PG12, PG14, PG162, SG12	○	○
영초과 Primulaceae					
<i>Androsace umbellata</i> (Lour.) Merr.	불맞이				○
<i>Lysimachia barystachys</i> Bunge	까치수염				○
<i>Lysimachia clethroides</i> Duby	큰까치수염	Pyeongchang County (Gyebangsan (Mt.))-120717-255	NG10, PG12, UG12, UG14	○	○
<i>Lysimachia coreana</i> Nakai	참좁쌀풀				○
<i>Lysimachia vulgaris</i> var. <i>davurica</i> (Ledeb.) R.Kunth	좁쌀풀	Pyeongchang County (Gyebangsan (Mt.))-120717-118	PG10	○	○
<i>Primula jesoana</i> Miq.	큰영초	Pyeongchang County (Gyebangsan (Mt.))-120523-560	SG12, SG14	○	○
<i>Primula sieboldii</i> E.Morren	영초				○
때죽나무과 Styracaceae					
<i>Styrax japonicus</i> Siebold & Zucc.	때죽나무				○
<i>Styrax obassia</i> Siebold & Zucc.	쪽동백나무				○
노린재나무과 Symplocaceae					
<i>Symplocos chinensis</i> f. <i>pilosa</i> (Nakai) Ohwi	노린재나무	Pyeongchang County (Gyebangsan (Mt.))-120523-352	NG10, PG12, UG12, UG16, SG08, SG14	○	○
물푸레나무과 Oleaceae					
<i>Forsythia koreana</i> (Rehder) Nakai	개나리				○
<i>Fraxinus mandshurica</i> Rupr.	들메나무				○
<i>Fraxinus rhynchophylla</i> Hance	물푸레나무	Pyeongchang County (Gyebangsan (Mt.))-120926-081	NG10, NG12, PG16, UG12, UG14, UG16	○	○
<i>Fraxinus sieboldiana</i> Blume	쇠물푸레나무				○
<i>Ligustrum obtusifolium</i> Siebold & Zucc.	쥐똥나무				○
<i>Syringa fauriei</i> H.Lev.	버들개회나무	Pyeongchang County (Gyebangsan (Mt.))-120823-093	F06	○	
<i>Syringa patula</i> (Palib.) Nakai	털개회나무	Pyeongchang County (Gyebangsan (Mt.))-120523-538	PG16, UG16	○	
<i>Syringa patula</i> var. <i>kamibayshii</i> (Nakai) K.Kim	정향나무				○
<i>Syringa reticulata</i> var. <i>mandshurica</i> (Maxim.) H. Hara	개회나무	Pyeongchang County (Gyebangsan (Mt.))-120523-201	NG10, NG12	○	○
<i>Syringa wolfii</i> C.K.Schneid.	꽃개회나무	Pyeongchang County (Gyebangsan (Mt.))-120523-078	NG16, PG14	○	○
웅담과 Gentianaceae					
<i>Gentiana scabra</i> Bunge	웅담	Pyeongchang County (Gyebangsan (Mt.))-120926-165	UG12	○	○
<i>Gentiana squarrosa</i> Ledeb.	구슬봉이				○
<i>Gentiana triflora</i> var. <i>japonica</i> (Kusn.) H. Hara	과남풀	Pyeongchang County (Gyebangsan (Mt.))-120823-359	PG16	○	○
<i>Gentiana zollingeri</i> Faw.	큰구슬봉이	Pyeongchang County (Gyebangsan (Mt.))-120523-431	UG12	○	○
<i>Swertia pseudochinensis</i> H. Hara	자주손풀				○
<i>Swertia tetrapetala</i> (Pall.) Grossh.	네귀손풀				○
박주가리과 Asclepiadaceae					
<i>Cynanchum ascyrifolium</i> (Franch. & Sav.) Matsum.	민백미꽃				○
<i>Cynanchum atratum</i> Bunge	백미꽃				○
<i>Cynanchum paniculatum</i> (Bunge) Kitag.	산해박				○
<i>Metaplexis japonica</i> (Thunb.) Makino	박주가리				○
꼭두서니과 Rubiaceae					
<i>Asperula maximowiczii</i> Kom.	개갈퀴	Pyeongchang County (Gyebangsan (Mt.))-120717-057	NG16, UG14, SG08	○	○
<i>Asperula odorata</i> L.	선갈퀴	Pyeongchang County (Gyebangsan (Mt.))-120523-046	NG10, NG12, UG14	○	○
<i>Galium dahuricum</i> Turcz.	큰잎갈퀴	Pyeongchang County (Gyebangsan (Mt.))-120717-252	NG10	○	○

<i>Galium kinuta</i> Nakai & Hara	민동갈퀴				○	○
<i>Galium paradoxum</i> Maxim.	두메갈퀴	Pyeongchang County (Gyebangsan (Mt.))-120717-196	PG10		○	○
<i>Galium spurium</i> var. <i>echinospermon</i> (Wallr.) Hayek	갈퀴덩굴	Pyeongchang County (Gyebangsan (Mt.))-120717-214	PG10		○	○
<i>Galium trifidum</i> L.	가는네잎갈퀴					○
<i>Galium verum</i> var. <i>asiaticum</i> Nakai	솔나물					○
<i>Rubia akane</i> Nakai	꼭두서니	Pyeongchang County (Gyebangsan (Mt.))-120717-081	NG10, PG10, PG12, UG12, UG14, UG16		○	○
<i>Rubia chinensis</i> Regel & Maack	큰꼭두서니	Pyeongchang County (Gyebangsan (Mt.))-120523-066	NG14, PG12, PG14, UG12, UG16, SG16		○	○
<i>Rubia cordifolia</i> var. <i>pratensis</i> Maxim.	갈퀴꼭두서니					○
메꽃과 Convolvulaceae						
<i>Calystegia hederacea</i> Wall.	애기메꽃					○
<i>Calystegia sepium</i> var. <i>japonicum</i> (Choisy) Makino	메꽃	Pyeongchang County (Gyebangsan (Mt.))-120717-046	SG08		○	○
<i>Cuscuta japonica</i> Choisy	새삼	Pyeongchang County (Gyebangsan (Mt.))-120823-051	UG12, UG14		○	○
<i>Cuscuta pentagona</i> Engelm.	미국실새삼	Pyeongchang County (Gyebangsan (Mt.))-120823-102	F06		○	
지치과 Boraginaceae						
<i>Brachybotrys paridiformis</i> Maxim. ex Oliv.	당개지치	Pyeongchang County (Gyebangsan (Mt.))-120523-307	UG12, SG08		○	○
<i>Trigonotis icumae</i> (Maxim.) Makino	덩굴꽃마리					○
<i>Trigonotis peduncularis</i> (Trevir.) Benth. ex Hemsl.	꽃마리	Pyeongchang County (Gyebangsan (Mt.))-120523-255	SG10		○	○
<i>Trigonotis radicans</i> var. <i>sericea</i> (Maxim.) H. Hara	참꽃마리	Pyeongchang County (Gyebangsan (Mt.))-120523-168	NG10, NG12, NG14, PG10, UG14, SG10, SG12		○	○
마편초과 Verbenaceae						
<i>Callicarpa japonica</i> Thunb.	작살나무					○
<i>Clerodendrum trichotomum</i> Thunb.	누리장나무					○
꿀풀과 Labiatae						
<i>Agastache rugosa</i> (Fisch. & Mey.) Kuntze	배초향	Pyeongchang County (Gyebangsan (Mt.))-120717-119	PG10, UG14, SG08		○	○
<i>Amethystea caerulea</i> L.	개차조기					○
<i>Clinopodium chinense</i> var. <i>parviflorum</i> (Kudo) Hara	충충이꽃					○
<i>Clinopodium chinense</i> var. <i>shibetchense</i> (H.Lev.) Koidz.	산충충이					○
<i>Clinopodium micranthum</i> (Regel) Hara	두메충충이	Pyeongchang County (Gyebangsan (Mt.))-120717-218	NG10, PG10		○	○
<i>Elsholtzia ciliata</i> (Thunb.) Hyl.	향유	Pyeongchang County (Gyebangsan (Mt.))-120926-049	NG10, UG12		○	○
<i>Elsholtzia splendens</i> Nakai	꽃향유					○
<i>Isodon excisus</i> (Maxim.) Kudo	오리방풀	Pyeongchang County (Gyebangsan (Mt.))-120717-015	NG10, NG12, NG14, PG10, PG12, UG12, UG14, UG16		○	○
<i>Isodon inflexus</i> (Thunb.) Kudo	산박하	Pyeongchang County (Gyebangsan (Mt.))-120823-218	NG10		○	○
<i>Isodon japonicus</i> (Burm.) Hara	방아풀					○
<i>Lamium album</i> var. <i>barbatum</i> (Siebold & Zucc.) Franch. & Sav.	광대수염	Pyeongchang County (Gyebangsan (Mt.))-120523-223	NG12, UG14, SG08, SG12		○	○
<i>Lamium amplexicaule</i> L.	광대나물					○
<i>Leonurus japonicus</i> Hoult.	익모초	Pyeongchang County (Gyebangsan (Mt.))-120823-196	SG08		○	○
<i>Leonurus macranthus</i> Maxim.	송장풀	Pyeongchang County (Gyebangsan (Mt.))-120823-015	UG12, UG14		○	○
<i>Lycopus lucidus</i> Turcz. ex Benth.	십싸리	Pyeongchang County (Gyebangsan (Mt.))-120717-017	PG10, UG12		○	○
<i>Meehania urticifolia</i> (Miq.) Makino	벌개덩굴	Pyeongchang County (Gyebangsan (Mt.))-120523-153	NG10, NG12, NG14, NG16, UG12, UG16, SG08		○	○
<i>Mosla dianthera</i> (Buch.-Ham. ex Roxb.) ex Maxim.	쥐개풀					○
<i>Mosla punctulata</i> (J.F.Gmelin) Nakai	둘개풀	Pyeongchang County (Gyebangsan (Mt.))-120926-045	UG12		○	○
<i>Phlomis umbrosa</i> Turcz.	속단					○
<i>Prunella vulgaris</i> var. <i>lilacina</i> Nakai	꿀풀	Pyeongchang County (Gyebangsan (Mt.))-120717-064	NG10, PG10		○	○
<i>Salvia plebeia</i> R.Br.	배암차조기					○
<i>Scutellaria indica</i> L.	골무꽃					○
<i>Scutellaria pekinensis</i> var. <i>transitra</i> (Makino) Hara	산골무꽃					○
<i>Stachys japonica</i> Miq.	석잠풀	Pyeongchang County (Gyebangsan (Mt.))-120717-010	NG10, UG12, SG08		○	○
가지과 Solanaceae						

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Physalis alkekengi</i> var. <i>francheti</i> (Mast.) Hort	과리				○
<i>Physalis angulata</i> L.	땅과리				○
<i>Scopolia japonica</i> Maxim.	미치광이풀				○
<i>Solanum nigrum</i> L.	까마중	Pyeongchang County (Gyebangsan (Mt.))-121101-001	NG10	○	○
<i>Solanum tuberosum</i> L.	감자				○
현삼과 Scrophulariaceae					
<i>Lindernia procumbens</i> (Krock.) Borbas	밭쪽외풀				○
<i>Mazus pumilus</i> (Burm.f.) Steenis	주름잎	Pyeongchang County (Gyebangsan (Mt.))-120523-314	UG12, SG08	○	
<i>Melampyrum roseum</i> Maxim.	꽃머느리밭풀	Pyeongchang County (Gyebangsan (Mt.))-120717-283	NG10, UG14	○	○
<i>Melampyrum setaceum</i> (Maxim.) Nakai	애기머느리밭풀				○
<i>Mimulus nepalensis</i> Benth.	물과리아재비	Pyeongchang County (Gyebangsan (Mt.))-120717-084	PG10	○	○
<i>Pedicularis resupinata</i> L.	송이풀	Pyeongchang County (Gyebangsan (Mt.))-120823-333	NG10, NG12, PG16, UG12	○	○
<i>Pedicularis resupinata</i> f. <i>albiflora</i> (Nakai) W.T.Lee	흰송이풀				○
<i>Pedicularis resupinata</i> var. <i>umbrosa</i> Kom. ex Nakai	그늘송이풀				○
<i>Phtheirospermum japonicum</i> (Thunb.) Kanitz	나도송이풀	Pyeongchang County (Gyebangsan (Mt.))-120926-196	NG10, UG12	○	○
<i>Scrophularia kakudensis</i> Franch.	큰개현삼	Pyeongchang County (Gyebangsan (Mt.))-120823-330	PG16	○	○
<i>Scrophularia koraiensis</i> Nakai	토현삼				○
<i>Veronica linariifolia</i> Pall. ex Link	꼬리풀				○
<i>Veronica rotunda</i> var. <i>subintegra</i> (Nakai) T.Yamaz.	산꼬리풀	Pyeongchang County (Gyebangsan (Mt.))-120823-084	UG16	○	○
<i>Veronicastrum sibiricum</i> (L.) Pennell	냉초				○
파리풀과 Phrymaceae					
<i>Phryma leptostachya</i> var. <i>asiatica</i> H. Hara	파리풀	Pyeongchang County (Gyebangsan (Mt.))-120717-036	NG10, SG08	○	○
질경이과 Plantaginaceae					
<i>Plantago asiatica</i> L.	질경이	Pyeongchang County (Gyebangsan (Mt.))-120523-515	NG10, NG14, NG16, PG14, UG12, UG14, UG16	○	○
<i>Plantago major</i> var. <i>japonica</i> (Franch. & Sav.) Miyabe	왕질경이				○
<i>Plantago sibirica</i> Poir.	긴잎질경이				○
인동과 Caprifoliaceae					
<i>Lonicera caerulea</i> var. <i>edulis</i> Turcz. ex Herder	댕댕이나무	Pyeongchang County (Gyebangsan (Mt.))-120523-085	PG14	○	○
<i>Lonicera chrysantha</i> Turcz.	각시괴불나무	Pyeongchang County (Gyebangsan (Mt.))-120523-009	NG14, PG14, UG14, SG10	○	○
<i>Lonicera chrysantha</i> var. <i>longipes</i> Maxim.	절초나무				○
<i>Lonicera japonica</i> Thunb.	인동덩굴				○
<i>Lonicera maackii</i> (Rupr.) Maxim.	괴불나무	Pyeongchang County (Gyebangsan (Mt.))-120717-110	PG10, UG12, UG14, SG08	○	○
<i>Lonicera praeflorens</i> Batalin	올괴불나무				○
<i>Lonicera ruprechtiana</i> Regel	물앵도나무				○
<i>Lonicera sachalinensis</i> (F.Schmidt) Nakai	홍괴불나무				○
<i>Lonicera subhispidata</i> Nakai	털괴불나무				○
<i>Lonicera subsessilis</i> Rehder	청괴불나무	Pyeongchang County (Gyebangsan (Mt.))-120523-056	PG10, UG12	○	○
<i>Lonicera tatarinowii</i> var. <i>leptantha</i> (Rehder) Nakai	흰괴불나무				○
<i>Lonicera vesicaria</i> Kom.	구슬댕댕이				○
<i>Lonicera vidalii</i> Franch. & Sav.	왕괴불나무	Pyeongchang County (Gyebangsan (Mt.))-120717-133	PG10	○	○
<i>Sambucus sieboldiana</i> var. <i>miquelii</i> (Nakai) Hara	지렁쿠나무	Pyeongchang County (Gyebangsan (Mt.))-120523-184	NG10, NG12, NG14, UG12, UG16, SG08, SG14	○	○
<i>Sambucus sieboldiana</i> var. <i>miquelii</i> f. <i>velutina</i> T.B.Lee	털지렁쿠나무				○
<i>Sambucus williamsii</i> var. <i>coreana</i> (Nakai) Nakai	딱총나무				○

<i>Viburnum burejaeticum</i> Regel & Herder	산분꽃나무				○
<i>Viburnum erosum</i> Thunb.	덜꿩나무				○
<i>Viburnum koreanum</i> Nakai	배암나무				○
<i>Viburnum opulus</i> var. <i>calvescens</i> (Rehder) H. Hara	백당나무	Pyeongchang County (Gyebangsansan (Mt.))-120523-061	NG14, PG10, PG12, PG14, UG12, UG14, UG16, SG10	○	○
<i>Viburnum wrightii</i> Miq.	산가막살나무				○
<i>Weigela florida</i> (Bunge) A.D.C.	붉은병꽃나무	Pyeongchang County (Gyebangsansan (Mt.))-120823-163	NG10, SG08	○	○
<i>Weigela hortensis</i> (Siebold & Zucc.) K.Koch	굴병꽃나무				○
<i>Weigela praecox</i> (Lemoine) L.H.Bailey	소영도리나무	Pyeongchang County (Gyebangsansan (Mt.))-120523-144	PG12, PG14, UG16	○	○
<i>Weigela subsessilis</i> (Nakai) L.H.Bailey	병꽃나무	Pyeongchang County (Gyebangsansan (Mt.))-120523-194	NG10, NG12, PG12, UG12, UG14, SG08	○	○
마타리과 Valerianaceae					
<i>Patrinia saniculaefolia</i> Hemsl.	금마타리	Pyeongchang County (Gyebangsansan (Mt.))-120823-366	NG16, PG16	○	○
<i>Patrinia scabiosaefolia</i> Fisch. ex Trevir.	마타리	Pyeongchang County (Gyebangsansan (Mt.))-120823-244	NG10	○	○
<i>Patrinia villosa</i> (Thunb.) Juss.	쪽갈	Pyeongchang County (Gyebangsansan (Mt.))-120717-174	NG10, PG10, SG08	○	○
<i>Valeriana dageletiana</i> Nakai ex F.Maek.	넓은잎쥐오줌풀				○
<i>Valeriana fauriei</i> Briq.	쥐오줌풀	Pyeongchang County (Gyebangsansan (Mt.))-120523-196	NG10, NG12, UG12, SG08	○	○
산토끼꽃과 Dipsacaceae					
<i>Scabiosa tschiliensis</i> Gruning	솔체꽃				○
초롱꽃과 Campanulaceae					
<i>Adenophora grandiflora</i> f. <i>alba</i> T.B.Lee	흰도라지모시대				○
<i>Adenophora grandiflora</i> Nakai	도라지모시대				○
<i>Adenophora remotiflora</i> (Siebold & Zucc.) Miq.	모시대	Pyeongchang County (Gyebangsansan (Mt.))-120823-003	UG12, UG14	○	○
<i>Adenophora stricta</i> Miq.	당잔대				○
<i>Adenophora triphylla</i> var. <i>japonica</i> (Regel) H. Hara	잔대				○
<i>Asyneuma japonicum</i> (Miq.) Briq.	영아자	Pyeongchang County (Gyebangsansan (Mt.))-120823-301	NG10	○	○
<i>Campanula glomerata</i> var. <i>dahurica</i> Fisch. ex KerGawl.	자주꽃방망이				○
<i>Campanula punctata</i> Lam.	초롱꽃	Pyeongchang County (Gyebangsansan (Mt.))-120523-137	NG10, NG12	○	○
<i>Codonopsis lanceolata</i> (Siebold & Zucc.) Trautv.	더덕	Pyeongchang County (Gyebangsansan (Mt.))-120523-104	PG12-1	○	○
<i>Codonopsis pilosula</i> (Franch.) Nannf.	만삼				○
<i>Codonopsis ussuriensis</i> (Rupr. & Maxim.) Hemsl.	소경불알				○
<i>Hanabusaya asiatica</i> (Nakai) Nakai	금강초롱꽃				○
<i>Lobelia sessilifolia</i> Lamb.	숫잔대				○
<i>Platycodon grandiflorum</i> (Jacq.) A.D.C.	도라지				○
국화과 Compositae					
<i>Achillea alpina</i> L.	톱풀				○
<i>Adenocaulon himalaicum</i> Edgew.	멀가치	Pyeongchang County (Gyebangsansan (Mt.))-120823-217	NG10, NG12, NG16, PG14, SG16	○	○
<i>Ainsliaea acerifolia</i> Sch.Bip.	단풍취	Pyeongchang County (Gyebangsansan (Mt.))-120523-396	NG10, NG14, PG12, PG14, UG12, UG14, UG16	○	○
<i>Ambrosia artemisiifolia</i> L.	돼지풀	Pyeongchang County (Gyebangsansan (Mt.))-120823-107	F06	○	○
<i>Artemisia capillaris</i> Thunb.	사철썩	Pyeongchang County (Gyebangsansan (Mt.))-120823-113	F06	○	○
<i>Artemisia dubia</i> Wall.	참썩				○
<i>Artemisia feddei</i> H.Lev. & Vaniot	뺑썩				○
<i>Artemisia gmelini</i> Weber ex Stechm.	더위지기				○
<i>Artemisia japonica</i> Thunb.	제비썩	Pyeongchang County (Gyebangsansan (Mt.))-120926-034	NG10, UG12	○	○
<i>Artemisia keiskeana</i> Miq.	맑은대썩				○
<i>Artemisia koidzumii</i> Nakai	울무썩				○
<i>Artemisia montana</i> (Nakai) Pamp.	산썩				○
<i>Artemisia princeps</i> Pamp.	썩	Pyeongchang County (Gyebangsansan (Mt.))-120926-030	NG10	○	○
<i>Artemisia rubripes</i> Nakai	덤불썩	Pyeongchang County (Gyebangsansan (Mt.))-120823-189	NG10, SG08	○	○
<i>Artemisia stolonifera</i> (Maxim.) Kom.	넓은잎외일썩	Pyeongchang County (Gyebangsansan (Mt.))-120717-030	NG10, PG10, UG12, UG14, SG08	○	○
<i>Artemisia sylvatica</i> Maxim.	그늘썩				○
<i>Aster ageratoides</i> Turcz.	까실썩부쟁이	Pyeongchang County (Gyebangsansan (Mt.))-120823-019	NG10, UG14	○	○
<i>Aster fastigiatus</i> Fisch.	옹굿나무				○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Aster hispidus</i> Thunb.	갯쑥부쟁이				○
<i>Aster incisus</i> Fisch.	가새쑥부쟁이				○
<i>Aster koraiensis</i> Nakai	벌개미취				○
<i>Aster meyerendorffii</i> (Regel & Maack) Voss	개쑥부쟁이	Pyeongchang County (Gyebangsan (Mt.))-120926-004	NG10, SG08	○	○
<i>Aster pilosus</i> Willd.	미국쑥부쟁이	Pyeongchang County (Gyebangsan (Mt.))-120926-026	NG10	○	○
<i>Aster pekinensis</i> (Hance) Chen	가는쑥부쟁이				○
<i>Aster scaber</i> Thunb.	참취				○
<i>Aster tataricus</i> L.f.	개미취	Pyeongchang County (Gyebangsan (Mt.))-120823-100	NG10, SG08	○	○
<i>Atractylodes ovata</i> (Thunb.) DC.	삼주				○
<i>Bidens bipinnata</i> L.	도깨비바늘				○
<i>Bidens frondosa</i> L.	미국가막사리	Pyeongchang County (Gyebangsan (Mt.))-120926-025	NG10	○	○
<i>Bidens parviflora</i> Willd.	까치밭	Pyeongchang County (Gyebangsan (Mt.))-120926-017	SG08	○	○
<i>Bidens tripartita</i> L.	가막사리				○
<i>Breca segeta</i> (Willd.) Kitam. f. segeta	조뱅이				○
<i>Carduus crispus</i> L.	지느러미영경귀	Pyeongchang County (Gyebangsan (Mt.))-120523-252	SG10	○	○
<i>Carpesium abrotanoides</i> L.	담배풀				○
<i>Carpesium cernuum</i> L.	좁담배풀				○
<i>Carpesium divaricatum</i> Siebold & Zucc.	긴담배풀				○
<i>Carpesium macrocephalum</i> Franch. & Sav.	여우오줌	Pyeongchang County (Gyebangsan (Mt.))-120926-031	SG08	○	○
<i>Carpesium triste</i> Maxim.	두메담배풀	Pyeongchang County (Gyebangsan (Mt.))-120717-171	NG10, PG10, UG14	○	○
<i>Centipeda minima</i> (L.) A.Br. & Asch.	중대가리풀	Pyeongchang County (Gyebangsan (Mt.))-120823-180	UG12, SG08	○	○
<i>Cirsium chanroenicum</i> (L.) Nakai	정영영경귀				○
<i>Cirsium japonicum</i> var. <i>maackii</i> (Maxim.) Matsum.	영경귀				○
<i>Cirsium pendulum</i> Fisch. ex DC.	큰영경귀	Pyeongchang County (Gyebangsan (Mt.))-120717-029	SG08	○	○
<i>Cirsium setidens</i> (Dunn) Nakai	고려영경귀	Pyeongchang County (Gyebangsan (Mt.))-120823-326	NG10, PG16	○	○
<i>Conyza bonariensis</i> (L.) Cronquist	실망초				○
<i>Conyza canadensis</i> (L.) Cronquist	망초	Pyeongchang County (Gyebangsan (Mt.))-120823-190	UG12, SG08	○	○
<i>Crepidiastrum chelidoniifolium</i> (Makino) Pak & Kawano	까치고들빼기	Pyeongchang County (Gyebangsan (Mt.))-120823-148	PG16, SG08	○	○
<i>Crepidiastrum denticulatum</i> (Houtt.) Pak & Kawano	이고들빼기	Pyeongchang County (Gyebangsan (Mt.))-120823-002	NG10, UG14, SG08	○	○
<i>Crepidiastrum sonchifolium</i> (Bunge) Pak & Kawano	고들빼기				○
<i>Dendranthema boreale</i> (Makino) Ling ex Kitam.	산국	Pyeongchang County (Gyebangsan (Mt.))-120926-028	NG10	○	○
<i>Dendranthema indicum</i> (L.) DesMoul.	감국				○
<i>Dendranthema zawadskii</i> var. <i>latilobum</i> (Maxim.) Kitam.	구절초				○
<i>Dendranthema zawadskii</i> (Herb.) Tzvelev	산구절초				○
<i>Echinops setifer</i> Iljin	절굿대				○
<i>Eclipta prostrata</i> (L.) L.	한련초				○
<i>Erigeron annuus</i> (L.) Pers.	개망초	Pyeongchang County (Gyebangsan (Mt.))-120717-224	NG10, PG10	○	○
<i>Eupatorium japonicum</i> Thunb.	등골나물	Pyeongchang County (Gyebangsan (Mt.))-120717-130	NG10, PG10, UG14	○	○
<i>Eupatorium lindleyanum</i> DC.	꿀등골나물				○
<i>Galinsoga ciliata</i> (Raf.) S.F.Blake	털별꽃아재비	Pyeongchang County (Gyebangsan (Mt.))-120717-063	PG10, UG12, SG08	○	○
<i>Helianthus tuberosus</i> L.	종단지				○
<i>Hemistepta lyrata</i> Bunge	지칭개	Pyeongchang County (Gyebangsan (Mt.))-120523-257	SG10	○	○
<i>Hieracium umbellatum</i> L.	조밥나물				○
<i>Inula britannica</i> var. <i>japonica</i> (Thunb.) Franch. & Sav.	금불초				○
<i>Ixeridium dentatum</i> (Thunb.) Tzvelev	삼바귀				○
<i>Ixeris debilis</i> (Thunb.) A.Gray	번음삼바귀				○
<i>Ixeris polycephala</i> Cass.	벌삼바귀 선삼바귀	Pyeongchang County (Gyebangsan (Mt.))-120523-253	PG10, SG08, SG10	○	○ ○

<i>Ixeris strigosa</i> (H.Lev. & Vaniot) J.H.Pak & Kawano									
<i>Kalimeris pinnatifida</i> (Maxim.) Kitam.	버드쟁이나물								○
<i>Lactuca indica</i> f. <i>indivisa</i> (Makino) Hara	가는잎왕고들빼기								○
<i>Lactuca indica</i> L.	왕고들빼기	Pyeongchang County (Gyebangsan (Mt.))-120823-193		NG10, SG08				○	○
<i>Lactuca raddeana</i> Maxim.	산삼바귀	Pyeongchang County (Gyebangsan (Mt.))-120823-026		UG14				○	○
<i>Lactuca triangulata</i> Maxim.	두메고들빼기	Pyeongchang County (Gyebangsan (Mt.))-120717-270		NG10, UG14, UG16, SG08				○	○
<i>Leibnitzia anandria</i> (L.) Turcz.	숨나물								○
<i>Ligularia fischeri</i> (Ledeb.) Turcz.	곰취	Pyeongchang County (Gyebangsan (Mt.))-120823-317		PG16, UG16				○	○
<i>Ligularia stenocephala</i> (Maxim.) Matsum. & Koidz.	곤달비								○
<i>Parasenecio auriculata</i> (DC.) H.Koyama	귀박취나물	Pyeongchang County (Gyebangsan (Mt.))-120926-006		NG10, NG12, NG14				○	○
<i>Parasenecio auriculata</i> var. <i>kamtschatica</i> (Maxim.) H.Koyama	나래박취나물	Pyeongchang County (Gyebangsan (Mt.))-120823-358		PG16, SG08, SG12				○	○
<i>Parasenecio auriculata</i> var. <i>matsumurana</i> Nakai	박취나물								○
<i>Parasenecio firmus</i> (Kom.) Y.L.Chen	병풍삼								○
<i>Petasites japonicus</i> (Siebold & Zucc.) Maxim.	머위								○
<i>Picris hieracioides</i> var. <i>koreana</i> Kitam.	쇠서나물	Pyeongchang County (Gyebangsan (Mt.))-120823-256		NG10				○	○
<i>Rhaponticum uniflorum</i> (L.) DC.	뼈꼭채								○
<i>Rudbeckia bicolor</i> Nutt.	원추천인국	Pyeongchang County (Gyebangsan (Mt.))-120823-198		SG08				○	○
<i>Rudbeckia laciniata</i> var. <i>hortensis</i> Bailey	겹삼잎국화	Pyeongchang County (Gyebangsan (Mt.))-120717-208		PG10				○	○
<i>Saussurea diamantica</i> Nakai	금강분취								○
<i>Saussurea gracilis</i> Maxim.	은분취								○
<i>Saussurea grandifolia</i> Maxim.	서덜취								○
<i>Saussurea japonica</i> (Thunb.) DC.	큰각시취	Pyeongchang County (Gyebangsan (Mt.))-120823-306		NG10				○	○
<i>Saussurea macrolepis</i> (Nakai) Kitam.	각시서덜취	Pyeongchang County (Gyebangsan (Mt.))-120823-350		PG16				○	○
<i>Saussurea manshurica</i> Kom.	덜분취								○
<i>Saussurea maximowiczii</i> Herd	버들분취								○
<i>Saussurea neoserrata</i> Nakai	산골취								○
<i>Saussurea pulchella</i> (Fisch.) Fisch.	각시취	Pyeongchang County (Gyebangsan (Mt.))-120926-002		NG10				○	○
<i>Saussurea seoulensis</i> Nakai	분취								○
<i>Saussurea tanakae</i> Franch. & Sav. ex Maxim.	당분취	Pyeongchang County (Gyebangsan (Mt.))-120823-348		PG16				○	○
<i>Senecio vulgaris</i> L.	개쑥갓								○
<i>Serratula coronata</i> var. <i>insularis</i> (Iljin) Kitam.	산비장이	Pyeongchang County (Gyebangsan (Mt.))-120717-176		NG10, PG10, UG12				○	○
<i>Sigesbeckia glabrescens</i> (Makino) Makino	진득찰								○
<i>Sigesbeckia pubescens</i> (Makino) Makino	털진득찰	Pyeongchang County (Gyebangsan (Mt.))-120823-233		NG10, UG12				○	○
<i>Solidago virgaurea</i> subsp. <i>asiatica</i> Kitam. ex Hara	미역취	Pyeongchang County (Gyebangsan (Mt.))-120823-356		NG10, PG16				○	○
<i>Sonchus asper</i> (L.) Hill	큰방가지뚱								○
<i>Syneilesis palmata</i> (Thunb.) Maxim.	우산나물	Pyeongchang County (Gyebangsan (Mt.))-120717-141		PG10				○	○
<i>Synurus deltoides</i> (Aiton) Nakai	수리취	Pyeongchang County (Gyebangsan (Mt.))-120717-150		PG10, UG12				○	○
<i>Synurus excelsus</i> (Makino) Kitam.	큰수리취	Pyeongchang County (Gyebangsan (Mt.))-120823-363		PG16				○	○
<i>Taraxacum officinale</i> Weber	서양민들레	Pyeongchang County (Gyebangsan (Mt.))-120523-193		NG10, NG12, SG08				○	○
<i>Taraxacum ohwianum</i> Kitam.	산민들레	Pyeongchang County (Gyebangsan (Mt.))-120523-042		NG12, PG14, UG12, UG16, SG16				○	○
<i>Taraxacum platycarpum</i> Dahlst.	민들레								○
<i>Tephrosieris flammea</i> (Turcz. ex DC.) Holub	산솜방망이								○
<i>Tephrosieris kirilowii</i> (Turcz. ex DC.) Holub	솜방망이								○
<i>Youngia japonica</i> (L.) DC.	뽕리뱅이								○
백합과 Liliaceae									○
<i>Allium macrostemon</i> Bunge	산달래								○
<i>Allium monanthum</i> Maxim.	달래								○
<i>Allium sacculiferum</i> Maxim.	참산부추	Pyeongchang County (Gyebangsan (Mt.))-120823-365		PG16				○	○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Allium thunbergii</i> G.Don	산부추				○
<i>Asparagus schoberioides</i> Kunth	비짜루				○
<i>Clintonia udensis</i> Trautv. & C.A.Mey.	나도옥잠화				○
<i>Convallaria keiskei</i> Miq.	은방울꽃	Pyeongchang County (Gyebangsang (Mt.))-120523-073	NG16, PG12, PG14, UG12, UG14	○	○
<i>Disporum smilacinum</i> A.Gray	애기나리	Pyeongchang County (Gyebangsang (Mt.))-120523-100	PG14, UG12, UG14	○	○
<i>Disporum uniflorum</i> Baker	윤판나물				○
<i>Disporum viridescens</i> (Maxim.) Nakai	큰애기나리	Pyeongchang County (Gyebangsang (Mt.))-120523-425	UG12	○	○
<i>Erythronium japonicum</i> (Balr.) Decne.	얼레지	Pyeongchang County (Gyebangsang (Mt.))-120418-047	NG10, NG12, NG14, NG16, PG14, UG12, UG16	○	○
<i>Gagea hiensis</i> Pascher	애기중의무릇				○
<i>Heloniopsis koreana</i> Fuse & al.	처녀치마	Pyeongchang County (Gyebangsang (Mt.))-120926-096	UG12	○	○
<i>Hemerocallis fulva</i> (L.) L.	원추리				○
<i>Hosta longipes</i> (Franch. & Sav.) Matsum.	비비추				○
<i>Lilium amabile</i> Palib.	털중나리				○
<i>Lilium concolor</i> Salisb.	하늘나리				○
<i>Lilium distichum</i> Nakai ex Kamib.	말나리	Pyeongchang County (Gyebangsang (Mt.))-120823-024	NG10, NG12, PG14, UG14	○	○
<i>Lilium lancifolium</i> Thunb.	참나리				○
<i>Lilium leichtlinii</i> var. <i>maximowiczii</i> (Regel) Baker	중나리				○
<i>Lilium tsingtauense</i> Gilg	하늘말나리	Pyeongchang County (Gyebangsang (Mt.))-120717-020	NG10, NG16, PG10, UG12, UG16	○	○
<i>Liriope spicata</i> (Thunb.) Lour.	개맥문동				○
<i>Lloydia triflora</i> (Ledeb.) Baker	나도개감채	Pyeongchang County (Gyebangsang (Mt.))-120523-077	PG14, UG16, SG16	○	○
<i>Maianthemum bifolium</i> (L.) F.W.Schmidt	두루미꽃				○
<i>Maianthemum dilatatum</i> (Wood) A.Nelson & J.F.Macbr.	큰두루미꽃	Pyeongchang County (Gyebangsang (Mt.))-120523-074	PG14, UG16	○	○
<i>Paris verticillata</i> M.Bieb.	삿갓나물	Pyeongchang County (Gyebangsang (Mt.))-120523-001	NG10, NG12, NG14, PG14, UG12, SG08, SG14	○	○
<i>Polygonatum humile</i> Fisch. ex Maxim.	각시동굴레	Pyeongchang County (Gyebangsang (Mt.))-120523-436	UG12	○	○
<i>Polygonatum inflatum</i> Kom.	통동굴레	Pyeongchang County (Gyebangsang (Mt.))-120523-162	NG10, NG12, PG10, PG14, UG12, SG08	○	○
<i>Polygonatum involucratum</i> (Franch. & Sav.) Maxim.	웅동굴레	Pyeongchang County (Gyebangsang (Mt.))-120523-424	PG12, UG12, UG14, SG08	○	○
<i>Polygonatum lasianthum</i> Maxim.	죽대				○
<i>Polygonatum odoratum</i> var. <i>pluriflorum</i> (Miq.) Ohwi	동굴레	Pyeongchang County (Gyebangsang (Mt.))-120523-142	NG10, NG12, PG12, UG12, UG14	○	○
<i>Scilla scilloides</i> (Lindl.) Druce	무릇				○
<i>Smilacina dahurica</i> Turcz. ex Fisch. & C.A.Mey.	민숨대				○
<i>Smilacina japonica</i> A.Gray	풀숨대	Pyeongchang County (Gyebangsang (Mt.))-120523-163	NG10, NG12, NG14, NG16, PG14, PG16, UG12, UG16	○	○
<i>Smilax china</i> L.	청미래덩굴				○
<i>Smilax nipponica</i> Miq.	선밀나물	Pyeongchang County (Gyebangsang (Mt.))-120523-065	PG12, PG14, UG12	○	○
<i>Smilax riparia</i> var. <i>ussuriensis</i> (Regel) Hara & T.Koyama	밀나물				○
<i>Smilax sieboldii</i> Miq.	청가시덩굴				○
<i>Streptopus amplexifolius</i> var. <i>papillatus</i> Ohwi	죽대아재비				○
<i>Streptopus ovalis</i> (Ohwi) F.T.Wang & Y.C.Tang	금강애기나리	Pyeongchang County (Gyebangsang (Mt.))-120523-059	NG16, PG12, PG14, UG12, UG14, UG16	○	○
<i>Trillium kamschaticum</i> Pall. ex Pursh	연영초	Pyeongchang County (Gyebangsang (Mt.))-120523-003	NG10, NG12, NG14, NG16, PG16, SG12, SG14, SG16	○	○
<i>Tulipa edulis</i> (Miq.) Baker	산자고				○
<i>Veratrum maackii</i> var. <i>japonicum</i> (Baker) T.Schmizu	여로				○
<i>Veratrum maackii</i> Regel	긴잎여로	Pyeongchang County (Gyebangsang (Mt.))-120823-086	PG16, UG16	○	○
<i>Veratrum maackii</i> var. <i>parviflorum</i> (Maxim.) Hara	파란여로				○
<i>Veratrum oxysepalum</i> Turcz.	박새				○

마과 Dioscoreaceae								
<i>Dioscorea batatas</i> Decne.	마							○
<i>Dioscorea japonica</i> Thunb.	참마							○
<i>Dioscorea nipponica</i> Makino	부채마	Pyeongchang County (Gyebangsan (Mt.))-120717-101	NG10, PG10, UG12, SG08			○		○
<i>Dioscorea quinqueloba</i> Thunb.	단풍마							○
<i>Dioscorea septemloba</i> Thunb.	국화마							○
붓꽃과 Iridaceae								
<i>Belamcanda chinensis</i> (L.) DC.	범부채							○
<i>Iris ensata</i> var. <i>spontanea</i> (Makino) Nakai	꽃창포	Pyeongchang County (Gyebangsan (Mt.))-120717-268	NG10			○		○
<i>Iris minutiaurea</i> Makino	금붓꽃							○
<i>Iris odaesanensis</i> Y.N.Lee	노랑무늬붓꽃	Pyeongchang County (Gyebangsan (Mt.))-120523-057	PG12, PG14, UG14			○		○
<i>Iris rossii</i> Baker	각시붓꽃							○
<i>Iris ruthenica</i> KerGawl.	솔붓꽃							○
<i>Iris sanguinea</i> Donn ex Horn	붓꽃							○
굴풀과 Juncaceae								
<i>Juncus diastrophanthus</i> Buchenau	별날개굴풀	Pyeongchang County (Gyebangsan (Mt.))-120717-104	PG10			○		
<i>Juncus effusus</i> var. <i>decipiens</i> Buchenau	굴풀	Pyeongchang County (Gyebangsan (Mt.))-120717-016	PG10			○		○
<i>Juncus krameri</i> Franch. & Sav.	비너굴풀							○
<i>Juncus papillosus</i> Franch. & Sav.	청비너굴풀	Pyeongchang County (Gyebangsan (Mt.))-120717-195	PG10			○		○
<i>Juncus tenuis</i> Willd.	길굴풀	Pyeongchang County (Gyebangsan (Mt.))-120717-168	NG10, PG10			○		○
<i>Luzula capitata</i> (Miq.) Miq.	평의밥							○
<i>Luzula multiflora</i> Lej.	산평의밥	Pyeongchang County (Gyebangsan (Mt.))-120523-221	NG12, SG08			○		○
<i>Luzula plumosa</i> E.Mey.	벌평의밥	Pyeongchang County (Gyebangsan (Mt.))-120523-552	SG14			○		
닭의장풀과 Commelinaceae								
<i>Aneilema keisak</i> Hassk.	사마귀풀							○
<i>Commelina communis</i> L.	닭의장풀	Pyeongchang County (Gyebangsan (Mt.))-120717-144	PG10, UG14, UG16			○		○
<i>Commelina communis</i> var. <i>angustifolia</i> Nakai	좁닭의장풀	Pyeongchang County (Gyebangsan (Mt.))-120823-225	NG10			○		○
벼과 Gramineae								
<i>Agropyron ciliare</i> (Trin.) Franch.	속털개밀							○
<i>Agropyron repens</i> (L.) P.Beauv.	구주개밀	Pyeongchang County (Gyebangsan (Mt.))-120717-034	SG08			○		
<i>Agropyron tsukushiense</i> var. <i>transiens</i> (Hack.) Ohwi	개밀							○
<i>Agrostis alba</i> L.	흰겨이삭							○
<i>Agrostis clavata</i> Trin.	산겨이삭	Pyeongchang County (Gyebangsan (Mt.))-120717-213	PG10			○		○
<i>Agrostis clavata</i> var. <i>nukabo</i> Ohwi	겨이삭	Pyeongchang County (Gyebangsan (Mt.))-120717-165	NG10, PG10, PG16			○		○
<i>Alopecurus aequalis</i> Sobol.	뚝새풀	Pyeongchang County (Gyebangsan (Mt.))-120523-317	UG12, SG08			○		○
<i>Andropogon brevifolius</i> Sw.	쇠풀							○
<i>Arthraxon hispidus</i> (Thunb.) Makino	조개풀							○
<i>Arundinella hirta</i> var. <i>ciliata</i> Koidz.	털새	Pyeongchang County (Gyebangsan (Mt.))-120717-189	NG10			○		○
<i>Avena fatua</i> L.	메귀리							○
<i>Bromus pauciflorus</i> (Thunb.) Hack.	꼬리새							○
<i>Calamagrostis arundinacea</i> (L.) Roth	실새풀	Pyeongchang County (Gyebangsan (Mt.))-120823-052	NG10, UG14			○		○
<i>Calamagrostis epigeios</i> (L.) Roth	산조풀							○
<i>Calamagrostis langsdorfii</i> (Link) Trin.	산새풀							○
<i>Capillipedium parviflorum</i> (R.Br.) Stapf	나도기름새							○
<i>Cleistogenes hackelii</i> (Honda) Honda	대새풀							○
<i>Dactylis glomerata</i> L.	오리새							○
<i>Diarrhena fauriei</i> (Hack.) Ohwi	광릉옹수염	Pyeongchang County (Gyebangsan (Mt.))-120717-281	NG10, UG14			○		○
<i>Diarrhena japonica</i> (Franch. & Sav.) Franch. & Sav.	옹수염							○
<i>Digitaria ciliaris</i> (Retz.) Koel.	바랭이							○
<i>Digitaria violascens</i> Link	민바랭이	Pyeongchang County (Gyebangsan (Mt.))-120926-114	UG12			○		○
<i>Echinochloa crusgalli</i> (L.) P.Beauv.	돌피	Pyeongchang County (Gyebangsan (Mt.))-120717-035	UG12, SG08			○		○
<i>Echinochloa utilis</i> Ohwi & Yabuno	피							○
<i>Eleusine indica</i> (L.) Gaertn.	왕바랭이							○
<i>Eragrostis ferruginea</i> (Thunb.) P.Beauv.	그렁	Pyeongchang County (Gyebangsan (Mt.))-120823-278	NG10			○		○
<i>Eragrostis multicaulis</i> Steud.	비노리							○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Eragrostis pilosa</i> (L.) P.Beauv.	큰비노리				○
<i>Festuca ovina</i> L.	김의털	Pyeongchang County (Gyebangsan (Mt.))-120523-133	NG10, NG12	○	○
<i>Festuca rubra</i> L.	왕김의털	Pyeongchang County (Gyebangsan (Mt.))-120717-173	PG10	○	○
<i>Glyceria leptolepis</i> Ohwi	왕미꾸리광이				○
<i>Hemarthria sibirica</i> (Gand.) Ohwi	쇠치기풀				○
<i>Hierochloa odorata</i> (L.) P.Beauv.	향모				○
<i>Hystrix longearistata</i> (Hack.) Honda	수염개밀	Pyeongchang County (Gyebangsan (Mt.))-120717-095	PG10	○	
<i>Imperata cylindrica</i> var. <i>koenigii</i> (Retz.) Pilg.	띠				○
<i>Isachne globosa</i> (Thunb.) Kuntze	기장대풀				○
<i>Lolium perenne</i> L.	호밀풀	Pyeongchang County (Gyebangsan (Mt.))-120717-160	PG10	○	○
<i>Melica nutans</i> L.	왕쌀새	Pyeongchang County (Gyebangsan (Mt.))-120523-148	NG10, NG12, NG16, PG14, UG12, UG14, UG16, SG08	○	○
<i>Melica onoei</i> Franch. & Sav.	쌀새				○
<i>Melica grandiflora</i> Koidz.	청쌀새	Pyeongchang County (Gyebangsan (Mt.))-120717-162	PG10	○	
<i>Microstegium vimineum</i> (Trin.) A.Camus	나도바랭이새				○
<i>Microstegium vimineum</i> var. <i>imberbe</i> (Nees ex Steud.) Honda	큰들텩이삭새	Pyeongchang County (Gyebangsan (Mt.))-120926-123	NG10	○	
<i>Milium effusum</i> L.	나도겨이삭	Pyeongchang County (Gyebangsan (Mt.))-120523-185	NG12, PG10, UG14, SG08, SG12	○	
<i>Miscanthus sacchariflorus</i> (Maxim.) Benth.	물억새				○
<i>Miscanthus sinensis</i> Andersson	참억새				○
<i>Miscanthus sinensis</i> f. <i>gracillimus</i> (Hitc.) Ohwi	가는앞억새	Pyeongchang County (Gyebangsan (Mt.))-120823-253	NG10	○	
<i>Miscanthus sinensis</i> var. <i>purpurascens</i> (Andersson) Rendle	억새				○
<i>Muhlenbergia huegelii</i> Trin.	큰 쥐꼬리새	평창군(계방산, 수청골)-120926-025	SG08	○	
<i>Muhlenbergia japonica</i> Steud.	쥐꼬리새	Pyeongchang County (Gyebangsan (Mt.))-120823-091	NG10, UG16	○	○
<i>Oplismenus undulatifolius</i> (Ard.) P.Beauv.	주름조개풀				○
<i>Panicum bisulcatum</i> Thunb.	개기장	Pyeongchang County (Gyebangsan (Mt.))-120823-178	UG12, SG08	○	
<i>Pennisetum alopecuroides</i> (L.) Spreng.	수크령				○
<i>Phleum pratense</i> L.	큰조아재비				○
<i>Phragmites communis</i> Trin.	갈대				○
<i>Phragmites japonica</i> Steud.	달뿌리풀	Pyeongchang County (Gyebangsan (Mt.))-120823-212	UG12, SG08	○	○
<i>Phyllostachys nigra</i> var. <i>henonis</i> (Bean) Stapf ex Rendle	숨대				○
<i>Poa annua</i> L.	새포아풀	Pyeongchang County (Gyebangsan (Mt.))-120523-116	NG14, PG14, SG08	○	
<i>Poa compressa</i> L.	좁포아풀	Pyeongchang County (Gyebangsan (Mt.))-120717-093	PG10	○	
<i>Poa hisauchii</i> Honda	구내풀	Pyeongchang County (Gyebangsan (Mt.))-120717-226	PG10	○	
<i>Poa matsumurae</i> Hack.	가는포아풀	Pyeongchang County (Gyebangsan (Mt.))-120523-140	NG12	○	
<i>Poa nipponica</i> Koidz.	큰꾸러미풀	Pyeongchang County (Gyebangsan (Mt.))-120523-230	NG12, SG08	○	
<i>Poa pratensis</i> L.	왕포아풀				○
<i>Poa sphondyloides</i> Trin.	포아풀				○
<i>Poa viridula</i> Palib.	청포아풀	Pyeongchang County (Gyebangsan (Mt.))-120523-212	NG12, PG10, SG08	○	
<i>Sacciolepis indica</i> var. <i>oryzeterum</i> (Makino) Ohwi	물뚝새				○
<i>Sasa borealis</i> (Hack.) Makino	조릿대	Pyeongchang County (Gyebangsan (Mt.))-120418-028	NG10, NG12, PG105, PG14, UG12, UG14, UG16, SG08	○	○
<i>Setaria faberii</i> Herrm.	가을강아지풀	Pyeongchang County (Gyebangsan (Mt.))-120717-217	NG10, PG10, UG12	○	
<i>Setaria glauca</i> (L.) P.Beauv.	금강아지풀	Pyeongchang County (Gyebangsan (Mt.))-120926-109	UG12	○	○
<i>Setaria x pycnocoma</i> (Steud.) Henrard ex Nakai	수강아지풀	Pyeongchang County (Gyebangsan (Mt.))-120823-373	NG10	○	
<i>Setaria viridis</i> (L.) P.Beauv.	강아지풀				○
<i>Sorghum nitidum</i> (Vahl) Pers.	수수새				○
<i>Spodipogon cotulifer</i> (Thunb.) Hack.	기름새				○

<i>Spodipogon sibiricus</i> Trin.	큰기름새	Pyeongchang County (Gyebangsan (Mt.))-120717-048	NG10, UG14, SG08	○	○
<i>Stipa pekinensis</i> Hance	나래새	Pyeongchang County (Gyebangsan (Mt.))-120823-023	NG10, UG12, UG14	○	○
<i>Themeda triandra</i> var. <i>japonica</i> (Willd.) Makino	솔새				○
<i>Trisetum bifidum</i> (Thunb.) Ohwi	잠자리피	Pyeongchang County (Gyebangsan (Mt.))-120717-102	PG10	○	○
<i>Zea mays</i> L.	옥수수				○
<i>Zizania latifolia</i> (Griseb.) Turcz. ex Stapf	줄				○
<i>Zoysia japonica</i> Steud.	잔디				○
천남성과 Araceae					
<i>Arisaema amurense</i> Maxim.	둥근잎천남성	Pyeongchang County (Gyebangsan (Mt.))-120523-051	NG10, NG12, NG14, SG10	○	○
<i>Arisaema amurense</i> f. <i>serratum</i> (Nakai) Kitag.	천남성				○
<i>Arisaema heterophyllum</i> Blume	두루미천남성				○
<i>Arisaema peninsulæ</i> Nakai	점박이천남성	Pyeongchang County (Gyebangsan (Mt.))-120823-302	NG10	○	○
<i>Pinellia ternata</i> (Thunb.) Breitenb.	반하				○
<i>Symplocarpus renifolius</i> Schott ex Miq.	앞은부채				○
개구리밥과 Lemnaceae					
<i>Lemna perpusilla</i> Torr.	좁개구리밥				○
사초과 Cyperaceae					
<i>Carex alterniflora</i> Franch.	선사초				○
<i>Carex augustinowiczii</i> Menish. ex Korsh.	복사초	Pyeongchang County (Gyebangsan (Mt.))-120523-016	NG10, NG12, NG14, SG08, SG12, SG14	○	○
<i>Carex bivensis</i> Franch.	솔잎사초	Pyeongchang County (Gyebangsan (Mt.))-120523-132	PG14	○	○
<i>Carex bostrychostigma</i> Maxim.	길뚝사초	Pyeongchang County (Gyebangsan (Mt.))-120523-172	NG10, NG12, NG16, UG12, SG08, SG16	○	○
<i>Carex breviculmis</i> R.Br.	청사초	Pyeongchang County (Gyebangsan (Mt.))-120523-176	NG10, NG12, UG12, SG10	○	○
<i>Carex ciliatmarginata</i> Nakai	털대사초				○
<i>Carex dimorpholepis</i> Steud.	이삭사초				○
<i>Carex dispalata</i> Boott	삿갓사초				○
<i>Carex doniana</i> Spreng.	흰사초	Pyeongchang County (Gyebangsan (Mt.))-120717-026	E08	○	○
<i>Carex erythrobasis</i> H.Lev. & Vaniot	한라사초	Pyeongchang County (Gyebangsan (Mt.))-120523-023	NG12, NG14, PG14, UG12, UG14, SG12, SG14	○	○
<i>Carex filipes</i> Franch. & Sav.	늪사초				○
<i>Carex forficula</i> Franch. & Sav.	산뚝사초	Pyeongchang County (Gyebangsan (Mt.))-120523-283	SG10	○	○
<i>Carex glabrescens</i> Ohwi	곱솔사초				○
<i>Carex hakonensis</i> Franch. & Sav.	애기바늘사초				○
<i>Carex heterostachya</i> Bunge	인제사초				○
<i>Carex humilis</i> var. <i>nana</i> (H.Lev. & Vaniot) Ohwi	가는잎그늘사초				○
<i>Carex jaluensis</i> Kom.	참삿갓사초	Pyeongchang County (Gyebangsan (Mt.))-120523-220	NG12, PG10, SG08, SG10	○	○
<i>Carex japonica</i> Thunb.	개쩌버리사초	Pyeongchang County (Gyebangsan (Mt.))-120523-206	NG10, NG12, PG10, UG12, SG08	○	○
<i>Carex laevisissima</i> Nakai	애괭이사초				○
<i>Carex lanceolata</i> Boott	그늘사초	Pyeongchang County (Gyebangsan (Mt.))-120523-101	NG10, NG12, NG14, PG12, UG12, UG14, UG16, SG10	○	○
<i>Carex lasiolepis</i> Franch.	남사초				○
<i>Carex leiorhyncha</i> C.A.Mey.	산괭이사초	Pyeongchang County (Gyebangsan (Mt.))-120717-148	NG10, PG10	○	○
<i>Carex maackii</i> Maxim.	타래사초				○
<i>Carex mollicula</i> Boott	애기흰사초				○
<i>Carex neurocarpa</i> Maxim.	괭이사초				○
<i>Carex onoei</i> Franch. & Sav.	바늘사초	Pyeongchang County (Gyebangsan (Mt.))-120523-019	NG10, NG12, NG14, PG14, SG08, SG10, SG14	○	○
<i>Carex pediformis</i> C.A.Mey.	넓은잎그늘사초	Pyeongchang County (Gyebangsan (Mt.))-120523-404	UG12	○	○
<i>Carex phacota</i> Spreng.	비늘사초				○
<i>Carex pilosa</i> Scop.	털사초	Pyeongchang County (Gyebangsan (Mt.))-120523-040	NG12, PG14, UG12, UG16, SG16	○	○
<i>Carex planiculmis</i> Kom.	그늘흰사초	Pyeongchang County (Gyebangsan (Mt.))-120523-012	NG14, PG10, SG08	○	○
<i>Carex polyschoena</i> H.Lev. & Vaniot	가지청사초	Pyeongchang County (Gyebangsan (Mt.))-120523-198	NG10, NG12, PG12, UG12	○	○
<i>Carex quadriflora</i> (Kuk.) Ohwi	녹빛사초	Pyeongchang County (Gyebangsan (Mt.))-120523-489	UG14, SG08	○	○
<i>Carex remotiuscula</i> Wahlenb.	충실사초				○
<i>Carex sabyensis</i> Less. ex Kunth	실청사초	Pyeongchang County (Gyebangsan (Mt.))-120523-083	NG16, PG14, UG16, SG12	○	○
<i>Carex sabyensis</i> var. <i>rostrata</i> (Maxim.) Ohwi	부리실청사초	Pyeongchang County (Gyebangsan (Mt.))-120523-498	UG14	○	○

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Scientific name	Common name	Collection numbers	Site	This study	Previous study ^a
<i>Carex shimidzensis</i> Franch.	산고리사초				○
<i>Carex siderosticta</i> Hance	대사초	Pyeongchang County (Gyebangsan (Mt.))-120523-159	NG10, NG12, NG16, PG10, PG12, UG12, UG14, UG16, SG08, SG10	○	○
<i>Carex stipata</i> Muhlenb.	양덕사초	Pyeongchang County (Gyebangsan (Mt.))-120717-031	SG08	○	
<i>Carex thunbergii</i> var. <i>appendiculata</i> Trautv.	뚝사초				○
<i>Cyperus amuricus</i> Maxim.	방동사니	Pyeongchang County (Gyebangsan (Mt.))-120823-232	NG10, UG12	○	○
<i>Cyperus exaltatus</i> var. <i>iwasakii</i> T.Koyama	왕골				○
<i>Cyperus hakonensis</i> Franch. & Sav.	병아리방동사니				○
<i>Cyperus microiria</i> Steud.	금방동사니	Pyeongchang County (Gyebangsan (Mt.))-120717-024	UG12, SG08	○	○
<i>Cyperus nipponicus</i> Franch. & Sav.	푸른방동사니	Pyeongchang County (Gyebangsan (Mt.))-120926-129	UG12	○	
<i>Cyperus orthostachyus</i> Franch. & Sav.	쇠방동사니	Pyeongchang County (Gyebangsan (Mt.))-120926-132	UG12	○	
<i>Kyllinga brevifolia</i> Rottb.	파대가리				○
<i>Scirpus radicans</i> Schkuhr	도루박이	Pyeongchang County (Gyebangsan (Mt.))-120717-089	PG10	○	
<i>Scirpus wichurae</i> var. <i>asiaticus</i> (Beetle) T.Koyama	방울고랭이				○
<i>Carex egena</i> H.Lév.&Vaniot	나래사초	Pyeongchang County (Gyebangsan (Mt.))-120523-027	NG10, NG12, NG14, NG16	○	
<i>Carex kamagariensis</i> K. Okamoto	좁목포사초	Pyeongchang County (Gyebangsan (Mt.))-120523-043	NG10, NG12, UG12, SG10	○	
난초과 Orchidaceae					
<i>Cephalanthera longibracteata</i> Blume	은대난초				○
<i>Cypripedium macranthos</i> Sw.	복주머니란				○
<i>Gastrodia elata</i> Blume	천마				○
<i>Habenaria linearifolia</i> Maxim.	잠자리난초				○
<i>Liparis krameri</i> Franch. & Sav.	나나벌이난초				○
<i>Liparis kumokiri</i> F.Maek.	옥잠난초	Pyeongchang County (Gyebangsan (Mt.))-120717-244	NG10	○	○
<i>Liparis makinoana</i> Schlech.	나리난초				○
<i>Microstylis monophyllos</i> (L.) Lindl.	이삭단엽란				○
<i>Oreorchis patens</i> (Lindl.) Lindl.	감자난초	Pyeongchang County (Gyebangsan (Mt.))-120523-495	NG12, UG14	○	○
<i>Platanthera freynii</i> Kraenzl.	제비난초				○
<i>Pogonia japonica</i> Rchb.f.	큰방울새란				○
<i>Spiranthes sinensis</i> (Pers.) Ames	타래난초				○

^a Jo, 1981; The Korean Association for Conservation of Nature, 1982; Ko et al., 1991; Shin et al., 1996; Kim et al., 2010

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