

**Supplementary Table S1.** FBCC code and plant sources used in this study and DPPH radical scavenging activity.

FBCC code	Species name	Extracted parts	Collection date	Extraction solvents	Drying methods	DPPH radical scavenging activity (%)
FBCC-EP844	<i>Carex pumila</i> Thunb.	under ground	01/04/2019	water	freeze drying	12.620 ± 0.382
FBCC-EP845	<i>Carex pumila</i> Thunb.	above ground	01/04/2019	water	freeze drying	16.635 ± 0.417
FBCC-EP846	<i>Lemna perpusilla</i> Torr.	whole	01/04/2019	water	freeze drying	16.539 ± 0.497
FBCC-EP847	<i>Lycopus lucidus</i> var. <i>hirtus</i>	under ground	01/04/2019	water	freeze drying	24.092 ± 1.265
FBCC-EP848	<i>Lycopus lucidus</i> var. <i>hirtus</i>	above ground	01/04/2019	water	freeze drying	61.568 ± 0.722
FBCC-EP849	Linderniaceae Borsch, K. Müll. & Eb. Fisch., 2005	whole	01/04/2019	70% ethanol	reduced pressure concentration	44.073 ± 2.008
FBCC-EP850	<i>Carex pumila</i> Thunb.	under ground	01/04/2019	70% ethanol	reduced pressure concentration	16.348 ± 0.417
FBCC-EP851	<i>Carex pumila</i> Thunb.	above ground	01/04/2019	70% ethanol	reduced pressure concentration	22.849 ± 0.287
FBCC-EP852	<i>Lemna perpusilla</i> Torr.	whole	01/04/2019	70% ethanol	reduced pressure concentration	24.857 ± 0.497
FBCC-EP853	<i>Lycopus lucidus</i> var. <i>hirtus</i>	under ground	01/04/2019	70% ethanol	reduced pressure concentration	17.017 ± 0.191
FBCC-EP854	<i>Lycopus lucidus</i> var. <i>hirtus</i>	above ground	01/04/2019	70% ethanol	reduced pressure concentration	47.323 ± 1.503
FBCC-EP855	<i>Vallisneria spinulosa</i> S. Z. Yan	under ground	01/08/2019	water	freeze drying	5.449 ± 0.253
FBCC-EP856	<i>Trapa incisa</i> Siebold & Zucc.	above ground	01/08/2019	water	freeze drying	63.480 ± 1.493
FBCC-EP857	<i>Najas minor</i> All.	whole	01/08/2019	water	freeze drying	64.723 ± 3.224
FBCC-EP858	<i>Ammannia multiflora</i> (W. A. Nicholson) Rehder	above ground	01/08/2019	water	freeze drying	80.88 ± 1.221
FBCC-EP859	<i>Vallisneria spinulosa</i> S. Z. Yan	whole	01/08/2019	water	freeze drying	3.633 ± 0.166

FBCC-EP860	<i>Marsilea quadrifolia</i> L.	whole	01/08/2019	water	freeze drying	16.539 ± 0.287
FBCC-EP861	<i>Vallisneria spinulosa</i> S. Z. Yan	under ground	01/08/2019	70% ethanol	reduced pressure concentration	12.333 ± 0.912
FBCC-EP862	<i>Trapa incisa</i> Siebold & Zucc.	above ground	01/08/2019	70% ethanol	reduced pressure concentration	68.356 ± 2.758
FBCC-EP863	<i>Najas minor</i> All.	whole	01/08/2019	70% ethanol	reduced pressure concentration	3.346 ± 0.166
FBCC-EP864	<i>Ammannia multiflora</i> (W. A. Nicholson) Rehder	above ground	01/08/2019	70% ethanol	reduced pressure concentration	77.139 ± 0.401
FBCC-EP865	<i>Vallisneria spinulosa</i> S. Z. Yan	whole	01/08/2019	70% ethanol	reduced pressure concentration	11.765 ± 0.401
FBCC-EP866	<i>Marsilea quadrifolia</i> L.	whole	01/08/2019	70% ethanol	reduced pressure concentration	31.417 ± 0.695
FBCC-EP867	<i>Trapa bispinosa</i> Roxb.	whole	01/15/2019	water	freeze drying	77.273 ± 0.583
FBCC-EP868	<i>Moliniopsis japonica</i> (Hack.) Hayata	under ground	01/15/2019	water	freeze drying	11.765 ± 0.401
FBCC-EP869	<i>Moliniopsis japonica</i> (Hack.) Hayata	above ground	01/15/2019	water	freeze drying	16.31 ± 0.354
FBCC-EP871	<i>Scirpus wichurai</i> var. asiaticus (Beetle) T. Koyama ex Ohwi	above ground	01/15/2019	water	freeze drying	16.578 ± 0.835
FBCC-EP872	<i>Scirpus mitsukurianus</i> Makino	under ground	01/15/2019	water	freeze drying	35.428 ± 1.838
FBCC-EP873	<i>Trapa bispinosa</i> Roxb.	whole	01/15/2019	70% ethanol	reduced pressure concentration	66.444 ± 3.891
FBCC-EP875	<i>Moliniopsis japonica</i> (Hack.) Hayata	above ground	01/15/2019	70% ethanol	reduced pressure concentration	17.513 ± 0.583
FBCC-EP876	<i>Scirpus wichurai</i> var. asiaticus (Beetle) T. Koyama ex Ohwi	under ground	01/15/2019	70% ethanol	reduced pressure concentration	58.289 ± 2.406
FBCC-EP877	<i>Scirpus wichurai</i> var. asiaticus (Beetle) T. Koyama ex Ohwi	above ground	01/15/2019	70% ethanol	reduced pressure concentration	19.385 ± 0.802
FBCC-EP878	<i>Scirpus mitsukurianus</i> Makino	under ground	01/15/2019	70% ethanol	reduced pressure concentration	69.652 ± 0.964
FBCC-EP879	<i>Scirpus mitsukurianus</i> Makino	above ground	01/29/2019	water	freeze drying	39.706 ± 1.799

FBCC-EP881	<i>Scirpus juncoides</i> Roxb.	above ground	01/29/2019	water	freeze drying	14.572 ± 0.835
FBCC-EP882	<i>Juncus papillosus</i> Franch. & Sav.	under ground	01/29/2019	water	freeze drying	34.091 ± 0.482
FBCC-EP883	<i>Juncus papillosus</i> Franch. & Sav.	above ground	01/29/2019	water	freeze drying	45.321 ± 3.693
FBCC-EP884	<i>Arthraxon hispidus</i> (Thunb.) Makino	whole	01/29/2019	water	freeze drying	31.952 ± 0.583
FBCC-EP885	<i>Scirpus mitsukurianus</i> Makino	above ground	01/29/2019	70% ethanol	reduced pressure concentration	23.93 ± 0.936
FBCC-EP886	<i>Scirpus juncoides</i> Roxb.	under ground	01/29/2019	70% ethanol	reduced pressure concentration	43.85 ± 0.613
FBCC-EP887	<i>Scirpus juncoides</i> Roxb.	above ground	01/29/2019	70% ethanol	reduced pressure concentration	49.935 ± 1.9920
FBCC-EP888	<i>Juncus papillosus</i> Franch. & Sav.	under ground	01/29/2019	70% ethanol	reduced pressure concentration	54.204 ± 2.6420
FBCC-EP889	<i>Juncus papillosus</i> Franch. & Sav.	above ground	01/29/2019	70% ethanol	reduced pressure concentration	47.736 ± 3.4010
FBCC-EP890	<i>Arthraxon hispidus</i> (Thunb.) Makino	whole	01/29/2019	70% ethanol	reduced pressure concentration	46.572 ± 3.6290
FBCC-EP891	<i>Penthorum chinense</i> Pursh	under ground	02/12/2019	water	freeze drying	66.365 ± 2.5180
FBCC-EP892	<i>Penthorum chinense</i> Pursh	above ground	02/12/2019	water	freeze drying	74.386 ± 1.3630
FBCC-EP893	<i>Paspalum distichum</i> var. <i>indutum</i> Shinnery	whole	02/12/2019	water	freeze drying	30.918 ± 0.5930
FBCC-EP894	<i>Cyperus glomeratus</i> L.	under ground	02/12/2019	water	freeze drying	56.921 ± 1.0270
FBCC-EP895	<i>Cyperus glomeratus</i> L.	above ground	02/12/2019	water	freeze drying	45.149 ± 2.0330
FBCC-EP896	<i>Hemarthria compressa</i> var. <i>japonica</i> (Hack.) Y. N. Lee	under ground	02/12/2019	water	freeze drying	20.44 ± 1.0270
FBCC-EP897	<i>Penthorum chinense</i> Pursh	under ground	02/12/2019	70% ethanol	reduced pressure concentration	73.092 ± 1.3690
FBCC-EP898	<i>Penthorum chinense</i> Pursh	above ground	02/12/2019	70% ethanol	reduced pressure concentration	75.679 ± 1.2740

FBCC-EP899	<i>Paspalum distichum</i> var. <i>indutum</i> Shinnery	whole	02/12/2019	70% ethanol	reduced pressure concentration	$39.586 \pm 1.0100$
FBCC-EP900	<i>Cyperus glomeratus</i> L.	under ground	02/12/2019	70% ethanol	reduced pressure concentration	$56.921 \pm 3.4490$
FBCC-EP901	<i>Cyperus glomeratus</i> L.	above ground	02/12/2019	70% ethanol	reduced pressure concentration	$64.424 \pm 3.1870$
FBCC-EP902	<i>Hemarthria compressa</i> var. <i>japonica</i> (Hack.) Y. N. Lee	under ground	02/12/2019	70% ethanol	reduced pressure concentration	$38.81 \pm 1.3510$
FBCC-EP903	<i>Hemarthria compressa</i> var. <i>japonica</i> (Hack.) Y. N. Lee	above ground	03/06/2019	water	freeze drying	$40.621 \pm 1.5680$
FBCC-EP904	<i>Arthraxon hispidus</i> (Thunb.) Makino	whole	03/06/2019	water	freeze drying	$47.089 \pm 0.9060$
FBCC-EP905	<i>Zoysia sinica</i> Hance	under ground	03/06/2019	water	freeze drying	$17.076 \pm 0.3420$
FBCC-EP906	<i>Zoysia sinica</i> Hance	above ground	03/06/2019	water	freeze drying	$24.968 \pm 0.3420$
FBCC-EP907	<i>Juncus krameri</i> Franch. & Sav.	under ground	03/06/2019	water	freeze drying	$52.656 \pm 0.336$
FBCC-EP908	<i>Juncus krameri</i> Franch. & Sav.	above ground	03/06/2019	water	freeze drying	$42.591 \pm 0.828$
FBCC-EP909	<i>Hemarthria compressa</i> var. <i>japonica</i> (Hack.) Y. N. Lee	above ground	03/06/2019	70% ethanol	reduced pressure concentration	$36.347 \pm 0.373$
FBCC-EP910	<i>Arthraxon hispidus</i> (Thunb.) Makino	whole	03/06/2019	70% ethanol	reduced pressure concentration	$53.308 \pm 1.964$
FBCC-EP912	<i>Zoysia sinica</i> Hance	above ground	03/06/2019	70% ethanol	reduced pressure concentration	$1.305 \pm 0.582$
FBCC-EP913	<i>Juncus krameri</i> Franch. & Sav.	under ground	03/06/2019	70% ethanol	reduced pressure concentration	$63.747 \pm 1.134$
FBCC-EP914	<i>Juncus krameri</i> Franch. & Sav.	above ground	03/06/2019	70% ethanol	reduced pressure concentration	$53.681 \pm 2.044$
FBCC-EP915	<i>Arthraxon hispidus</i> (Thunb.) Makino	whole	03/27/2019	water	freeze drying	$26.095 \pm 0.093$
FBCC-EP916	<i>Polygonum muricatum</i> Meisn.	whole	03/27/2019	water	freeze drying	$43.523 \pm 0.807$
FBCC-EP917	<i>Penthorum chinense</i> Pursh	under ground	03/27/2019	water	freeze drying	$70.177 \pm 1.447$
FBCC-EP918	<i>Penthorum chinense</i> Pursh	above ground	03/27/2019	water	freeze drying	$22.833 \pm 0.484$

FBCC-EP919	<i>Lobelia chinensis</i> Lour.	whole	03/27/2019	water	freeze drying	62.535 ± 0.704
FBCC-EP920	<i>Ammannia coccinea</i> Rottb.	whole	03/27/2019	water	freeze drying	80.615 ± 0.247
FBCC-EP921	<i>Arthraxon hispidus</i> (Thunb.) Makino	whole	03/27/2019	70% ethanol	reduced pressure concentration	51.916 ± 1.224
FBCC-EP922	<i>Polygonum muricatum</i> Meisn.	whole	03/27/2019	70% ethanol	reduced pressure concentration	70.829 ± 0.828
FBCC-EP923	<i>Penthorum chinense</i> Pursh	under ground	03/27/2019	70% ethanol	reduced pressure concentration	67.381 ± 1.696
FBCC-EP924	<i>Penthorum chinense</i> Pursh	above ground	03/27/2019	70% ethanol	reduced pressure concentration	72.507 ± 0.889
FBCC-EP925	<i>Lobelia chinensis</i> Lour.	whole	03/27/2019	70% ethanol	reduced pressure concentration	22.3 ± 0.604
FBCC-EP926	<i>Ammannia coccinea</i> Rottb.	whole	03/27/2019	70% ethanol	reduced pressure concentration	-0.932 ± 0.582
FBCC-EP927	<i>Ottelia alismoides</i> (L.) Pers.	whole	04/09/2019	water	freeze drying	-0.186 ± 0.186
FBCC-EP928	<i>Ottelia alismoides</i> (L.) Pers.	whole	04/09/2019	70% ethanol	reduced pressure concentration	41.872 ± 0.521
FBCC-EP1013	<i>Salix koreensis</i> Andersson	leaves	08/27/2019	water	freeze drying	75.369 ± 0.493
FBCC-EP1014	<i>Salix gracilistyla</i> Miq.	leaves	08/27/2019	water	freeze drying	80.000 ± 0.355
FBCC-EP1015	<i>Salix koriyanagi</i> Kimura ex Goerz	leaves	08/27/2019	water	freeze drying	74.187 ± 0.429
FBCC-EP1016	<i>Salix subfragilis</i> Andersson	branches	08/27/2019	water	freeze drying	46.404 ± 0.769
FBCC-EP1017	<i>Salix subfragilis</i> Andersson	flowers	08/27/2019	water	freeze drying	56.552 ± 1.706
FBCC-EP1018	<i>Salix subfragilis</i> Andersson	leaves	08/27/2019	water	freeze drying	10.640 ± 4.335
FBCC-EP1019	<i>Salix koreensis</i> Andersson	branches	08/27/2019	70% ethanol	reduced pressure concentration	30.739 ± 0.806
FBCC-EP1020	<i>Salix gracilistyla</i> Miq.	leaves	08/27/2019	70% ethanol	reduced pressure concentration	77.241 ± 0.341
FBCC-EP1021	<i>Salix koriyanagi</i> Kimura ex Goerz	leaves	08/27/2019	70% ethanol	reduced pressure concentration	25.616 ± 0.689
FBCC-EP1022	<i>Salix subfragilis</i> Andersson	branches	08/27/2019	70% ethanol	reduced pressure concentration	63.941 ± 0.615
FBCC-EP1023	<i>Salix subfragilis</i> Andersson	flowers	08/27/2019	70% ethanol	reduced pressure concentration	55.172 ± 0.261

FBCC-EP1024	<i>Salix subfragilis</i> Andersson	leaves	08/27/2019	70% ethanol	reduced pressure concentration	56.650 ± 0.261
FBCC-EP1025	<i>Salix pseudolasiogyne</i> H. Lév.	branches	09/03/2019	water	freeze drying	42.660 ± 0.451
FBCC-EP1026	<i>Salix pseudolasiogyne</i> H. Lév.	flowers	09/03/2019	water	freeze drying	50.148 ± 0.689
FBCC-EP1027	<i>Salix pseudolasiogyne</i> H. Lév.	leaves	09/03/2019	water	freeze drying	49.261 ± 4.402
FBCC-EP1028	<i>Salix chaenomeloides</i> Kimura	branches	09/03/2019	water	freeze drying	38.621 ± 2.721
FBCC-EP1029	<i>Salix chaenomeloides</i> Kimura	leaves	09/03/2019	water	freeze drying	31.527 ± 0.261
FBCC-EP1030	<i>Juncus effusus</i> var. <i>decipiens</i> Buchenau	above ground	09/03/2019	water	freeze drying	22.167 ± 0.859
FBCC-EP1031	<i>Salix pseudolasiogyne</i> H. Lév.	branches	09/03/2019	70% ethanol	reduced pressure concentration	27.685 ± 1.471
FBCC-EP1032	<i>Salix pseudolasiogyne</i> H. Lév.	flowers	09/03/2019	70% ethanol	reduced pressure concentration	58.835 ± 1.197
FBCC-EP1033	<i>Salix pseudolasiogyne</i> H. Lév.	leaves	09/03/2019	70% ethanol	reduced pressure concentration	45.706 ± 0.356
FBCC-EP1034	<i>Salix chaenomeloides</i> Kimura	branches	09/03/2019	70% ethanol	reduced pressure concentration	42.744 ± 0.430
FBCC-EP1035	<i>Salix chaenomeloides</i> Kimura	leaves	09/03/2019	70% ethanol	reduced pressure concentration	44.620 ± 4.006
FBCC-EP1036	<i>Juncus effusus</i> var. <i>decipiens</i> Buchenau	above ground	09/03/2019	70% ethanol	reduced pressure concentration	28.332 ± 0.684
FBCC-EP1038	<i>Ranunculus sceleratus</i> L.	whole	09/06/2019	water	freeze drying	17.473 ± 0.691
FBCC-EP1039	<i>Veronica peregrina</i> L.	whole	09/06/2019	water	freeze drying	39.092 ± 1.002
FBCC-EP1040	<i>Carex doniana</i> Speng.	whole	09/06/2019	water	freeze drying	18.065 ± 0.972
FBCC-EP1041	<i>Iris pseudacorus</i> L.	whole	09/06/2019	water	freeze drying	12.734 ± 0.522
FBCC-EP1042	<i>Ixeris debilis</i> (Thunb.) A. Gray	whole	09/06/2019	water	freeze drying	22.409 ± 0.452
FBCC-EP1044	<i>Ranunculus sceleratus</i> L.	whole	09/06/2019	70% ethanol	reduced pressure concentration	56.565 ± 1.589
FBCC-EP1045	<i>Veronica peregrina</i> L.	whole	09/06/2019	70% ethanol	reduced pressure concentration	15.400 ± 0.261
FBCC-EP1046	<i>Carex doniana</i> Speng.	whole	09/06/2019	70% ethanol	reduced pressure concentration	32.478 ± 0.296
FBCC-EP1047	<i>Iris pseudacorus</i> L.	whole	09/06/2019	70% ethanol	reduced pressure concentration	16.979 ± 0.099

FBCC-EP1048	<i>Ixeris debilis</i> (Thunb.) A. Gray	whole	09/06/2019	70% ethanol	reduced pressure concentration	33.268 ± 0.861
FBCC-EP1049	<i>Scirpus radicans</i> Schkuhr	whole	09/16/2019	water	freeze drying	28.233 ± 0.261
FBCC-EP1050	<i>Carex maackii</i> Maxim.	whole	09/16/2019	water	freeze drying	11.056 ± 0.261
FBCC-EP1051	<i>Carex pumila</i> Thunb.	above ground	09/16/2019	water	freeze drying	15.499 ± 0.197
FBCC-EP1052	<i>Carex pumila</i> Thunb.	under ground	09/16/2019	water	freeze drying	6.614 ± 0.356
FBCC-EP1053	<i>Iris setosa</i> Pall. ex Link	whole	09/16/2019	water	freeze drying	22.310 ± 0.356
FBCC-EP1054	<i>Veronica anagallis-aquatica</i> L.	whole	09/16/2019	water	freeze drying	25.324 ± 0.359
FBCC-EP1055	<i>Scirpus radicans</i> Schkuhr	whole	09/16/2019	70% ethanol	reduced pressure concentration	46.66 ± 2.516
FBCC-EP1056	<i>Carex maackii</i> Maxim.	whole	09/16/2019	70% ethanol	reduced pressure concentration	17.448 ± 0.345
FBCC-EP1057	<i>Carex pumila</i> Thunb.	above ground	09/16/2019	70% ethanol	reduced pressure concentration	18.544 ± 0.264
FBCC-EP1059	<i>Iris setosa</i> Pall. ex Link	whole	09/16/2019	70% ethanol	reduced pressure concentration	17.149 ± 0.518
FBCC-EP1060	<i>Veronica anagallis-aquatica</i> L.	whole	09/16/2019	70% ethanol	reduced pressure concentration	33.898 ± 0.623
FBCC-EP1061	<i>Lamium album</i> var. <i>barbatum</i> (Siebold & Zucc.) Franch. & Sav.	whole	09/30/2019	water	freeze drying	12.164 ± 0.199
FBCC-EP1062	<i>Ixeris polycephala</i> Cass.	whole	09/30/2019	water	freeze drying	21.137 ± 0.654
FBCC-EP1063	<i>Potentilla supina</i> L.	whole	09/30/2019	water	freeze drying	53.539 ± 2.71
FBCC-EP1064	<i>Bidens radiata</i> var. <i>pinnatifida</i> (Turcz. ex DC.) Kitam.	whole	09/30/2019	water	freeze drying	41.476 ± 1.396
FBCC-EP1065	<i>Equisetum arvense</i> L.	whole	09/30/2019	water	freeze drying	18.644 ± 0.518
FBCC-EP1066	<i>Carex miyabei</i> Franch.	whole	09/30/2019	water	freeze drying	12.064 ± 0.173
FBCC-EP1067	<i>Lamium album</i> var. <i>barbatum</i> (Siebold & Zucc.) Franch. & Sav.	whole	09/30/2019	70% ethanol	reduced pressure concentration	26.221 ± 1.438
FBCC-EP1068	<i>Ixeris polycephala</i> Cass.	whole	09/30/2019	70% ethanol	reduced pressure concentration	21.635 ± 0.753
FBCC-EP1069	<i>Potentilla supina</i> L.	whole	09/30/2019	70% ethanol	reduced pressure concentration	44.566 ± 2.159

FBCC-EP1070	<i>Bidens radiata</i> var. <i>pinnatifida</i> (Turcz. ex DC.) Kitam.	whole	09/30/2019	70% ethanol	reduced pressure concentration	42.373 ± 1.567
FBCC-EP1071	<i>Equisetum arvense</i> L.	whole	09/30/2019	70% ethanol	reduced pressure concentration	35.793 ± 6.218
FBCC-EP1072	<i>Carex miyabei</i> Franch.	whole	09/30/2019	70% ethanol	reduced pressure concentration	22.433 ± 1.548
FBCC-EP1073	<i>Eleocharis mamillata</i> var. <i>cyclocarpa</i> Kitag.	whole	10/14/2019	water	freeze drying	46.062 ± 1.11
FBCC-EP1074	<i>Ailanthus altissima</i> f. <i>erythrocarpa</i> (Carrière) Rehder	branches	10/14/2019	water	freeze drying	53.141 ± 2.973
FBCC-EP1075	<i>Ailanthus altissima</i> f. <i>erythrocarpa</i> (Carrière) Rehder	leaves	10/14/2019	water	freeze drying	74.052 ± 3.245
FBCC-EP1076	<i>Carex neurocarpa</i> Maxim.	above ground	10/14/2019	water	freeze drying	40.02 ± 0.264
FBCC-EP1077	<i>Carex neurocarpa</i> Maxim.	under ground	10/14/2019	water	freeze drying	10.279 ± 1.643
FBCC-EP1078	<i>Iris sanguinea</i> Donn ex Hornem.	whole	10/14/2019	water	freeze drying	37.325 ± 2.519
FBCC-EP1079	<i>Eleocharis mamillata</i> var. <i>cyclocarpa</i> Kitag.	whole	10/14/2019	70% ethanol	reduced pressure concentration	57.685 ± 0.983
FBCC-EP1080	<i>Ailanthus altissima</i> f. <i>erythrocarpa</i> (Carrière) Rehder	branches	10/14/2019	70% ethanol	reduced pressure concentration	44.212 ± 0.998
FBCC-EP1081	<i>Ailanthus altissima</i> f. <i>erythrocarpa</i> (Carrière) Rehder	leaves	10/14/2019	70% ethanol	reduced pressure concentration	75.349 ± 1.606
FBCC-EP1082	<i>Carex neurocarpa</i> Maxim.	above ground	10/14/2019	70% ethanol	reduced pressure concentration	73.453 ± 0.817
FBCC-EP1084	<i>Iris sanguinea</i> Donn ex Hornem.	whole	10/14/2019	70% ethanol	reduced pressure concentration	38.822 ± 3.113
FBCC-EP1085	<i>Rosa multiflora</i> Thunb.	branches	05/28/2019	water	freeze drying	70.559 ± 1.013
FBCC-EP1086	<i>Rosa multiflora</i> Thunb.	leaves	05/28/2019	water	freeze drying	74.351 ± 1.042
FBCC-EP1087	<i>Hydrocotyle maritima</i> Honda	whole	07/08/2019	water	freeze drying	14.172 ± 0.435
FBCC-EP1088	<i>Typha orientalis</i> C. Presl.	whole	07/09/2019	water	freeze drying	4.092 ± 2.062
FBCC-EP1089	<i>Stachys japonica</i> Miq.	whole	07/09/2019	water	freeze drying	31.437 ± 0.753
FBCC-EP1090	<i>Salvia plebeia</i> R. Br.	whole	07/09/2019	water	freeze drying	59.78 ± 1.904
FBCC-EP1091	<i>Rosa multiflora</i> Thunb.	branches	05/28/2019	70% ethanol	reduced pressure concentration	70.659 ± 2.546
FBCC-EP1092	<i>Rosa multiflora</i> Thunb.	leaves	05/28/2019	70% ethanol	reduced pressure concentration	78.244 ± 1.177



FBCC-EP1093	<i>Hydrocotyle maritima</i> Honda	whole	07/08/2019	70% ethanol	reduced pressure concentration	21.357 ± 0.2
FBCC-EP1095	<i>Stachys japonica</i> Miq.	whole	07/09/2019	70% ethanol	reduced pressure concentration	33.733 ± 1.45
FBCC-EP1096	<i>Salvia plebeia</i> R. Br.	whole	07/09/2019	70% ethanol	reduced pressure concentration	50.998 ± 0.36
FBCC-EP1097	<i>Cyperus difformis</i> L.	whole	03/13/2020	70% ethanol	reduced pressure concentration	48.529 ± 1.326
FBCC-EP1098	<i>Eleocharis mamillata</i> var. <i>cyclocarpa</i> Kitag.	whole	03/13/2020	70% ethanol	reduced pressure concentration	75.686 ± 1.193
FBCC-EP1099	<i>Lindernia dubia</i> (L.) Pennell	whole	03/13/2020	70% ethanol	reduced pressure concentration	69.706 ± 3.099
FBCC-EP1100	<i>Sparganium erectum</i> L.	above ground	03/13/2020	70% ethanol	reduced pressure concentration	44.216 ± 2.216
FBCC-EP1101	<i>Sparganium erectum</i> L.	under ground	03/13/2020	70% ethanol	reduced pressure concentration	44.020 ± 1.414
FBCC-EP1102	<i>Sparganium erectum</i> L.	flowers	03/13/2020	70% ethanol	reduced pressure concentration	60.196 ± 1.931
FBCC-EP1103	<i>Alnus japonica</i> (Thunb.) Steud.	branches	03/20/2020	70% ethanol	reduced pressure concentration	77.647 ± 0.588
FBCC-EP1104	<i>Alnus japonica</i> (Thunb.) Steud.	leaves	03/20/2020	70% ethanol	reduced pressure concentration	79.706 ± 0.588
FBCC-EP1105	<i>Alnus japonica</i> (Thunb.) Steud.	barks	03/20/2020	70% ethanol	reduced pressure concentration	77.255 ± 0.196
FBCC-EP1106	<i>Hydrilla verticillata</i> (L. f.) Royle	whole	03/20/2020	70% ethanol	reduced pressure concentration	21.373 ± 0.098
FBCC-EP1107	<i>Polygonum sagittatum</i> L.	whole	03/20/2020	70% ethanol	reduced pressure concentration	71.275 ± 1.228
FBCC-EP1108	<i>Murdannia keisak</i> (Hassk.) Hand-Mazz.	whole	03/20/2020	70% ethanol	reduced pressure concentration	29.118 ± 1.114
FBCC-EP1109	<i>Commelina communis</i> L.	whole	03/27/2020	70% ethanol	reduced pressure concentration	43.824 ± 2.669
FBCC-EP1110	<i>Najas marina</i> L.	whole	03/27/2020	70% ethanol	reduced pressure concentration	0.490 ± 0.098
FBCC-EP1111	<i>Najas minor</i> All.	whole	03/27/2020	70% ethanol	reduced pressure concentration	44.314 ± 0.935
FBCC-EP1112	<i>Myriophyllum spicatum</i> L.	whole	03/27/2020	70% ethanol	reduced pressure concentration	50.588 ± 1.033

FBCC-EP1113	<i>Typha laxmannii</i> Lepech.	whole	03/27/2020	70% ethanol	reduced pressure concentration	$37.745 \pm 1.632$
FBCC-EP1114	<i>Alisma canaliculatum</i> A. Braun & C. D. Bouché	whole	03/27/2020	70% ethanol	reduced pressure concentration	$20.294 \pm 0.778$
FBCC-EP1115	<i>Cyperus difformis</i> L.	whole	04/03/2020	water	reduced pressure concentration	$36.863 \pm 2.216$
FBCC-EP1116	<i>Eleocharis mamillata</i> var. <i>cyclocarpa</i> Kitag.	whole	04/03/2020	water	reduced pressure concentration	$21.373 \pm 0.49$

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**Supplementary Table S2.** In vitro enzyme inhibition (%) and activity (%) of three extracts used in this study.

	Lipoxygenase inhibition	Collagenase inhibition	$\alpha$ -Glucosidase inhibition	Acetaldehyde dehydrogenase activity	Acetylcholine esterase inhibition	Tyrosinase inhibition	Pancreatic lipase inhibition
FBCC-EP858	-	60.0 $\pm$ 5.0	24.5 $\pm$ 4.4	51.6 $\pm$ 6.5	16.1 $\pm$ 1.4	-	-
FBCC-EP920	-	16.7 $\pm$ 0	13.8 $\pm$ 4.0	3.2 $\pm$ 3.2	-	-	-
FBCC-EP1014	35.6 $\pm$ 0.4	16.7 $\pm$ 0	75.4 $\pm$ 1.0	9.5 $\pm$ 2.4	14.6 $\pm$ 1.2	-	-