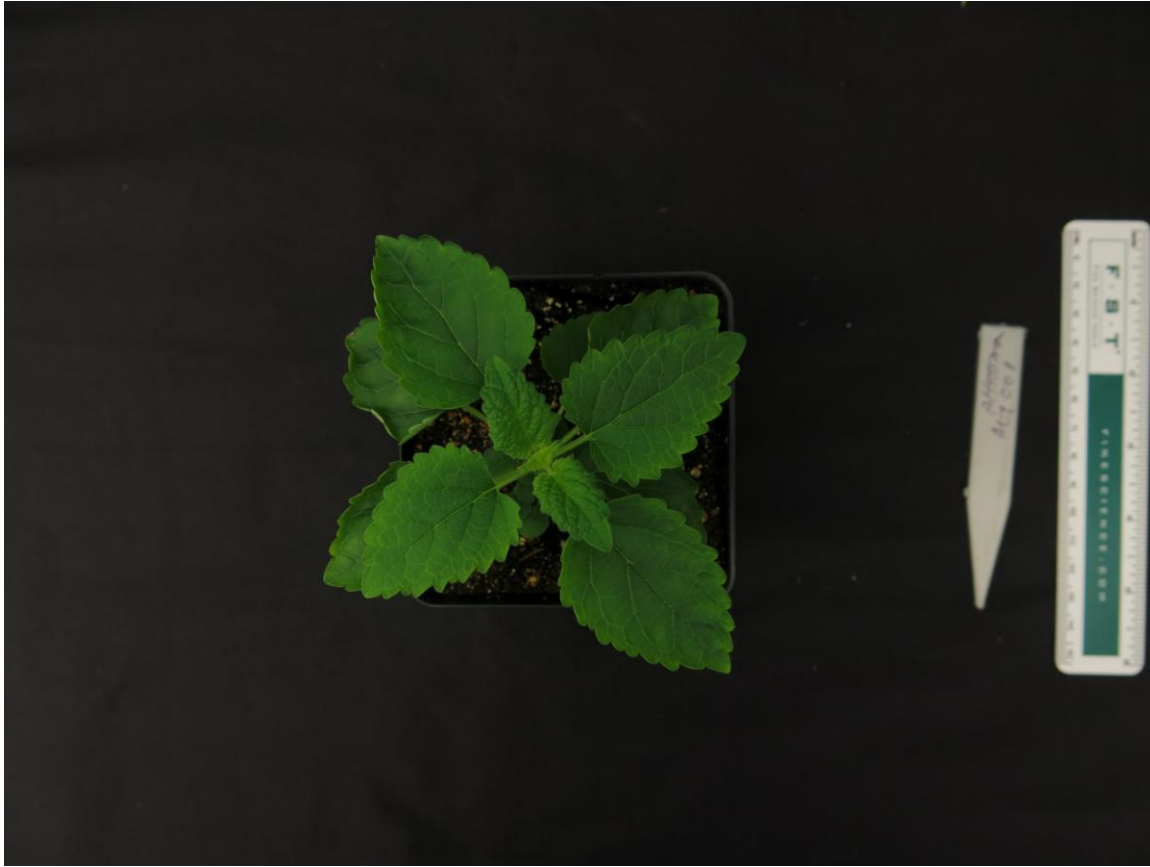


Scutellaria altissima (40 days)



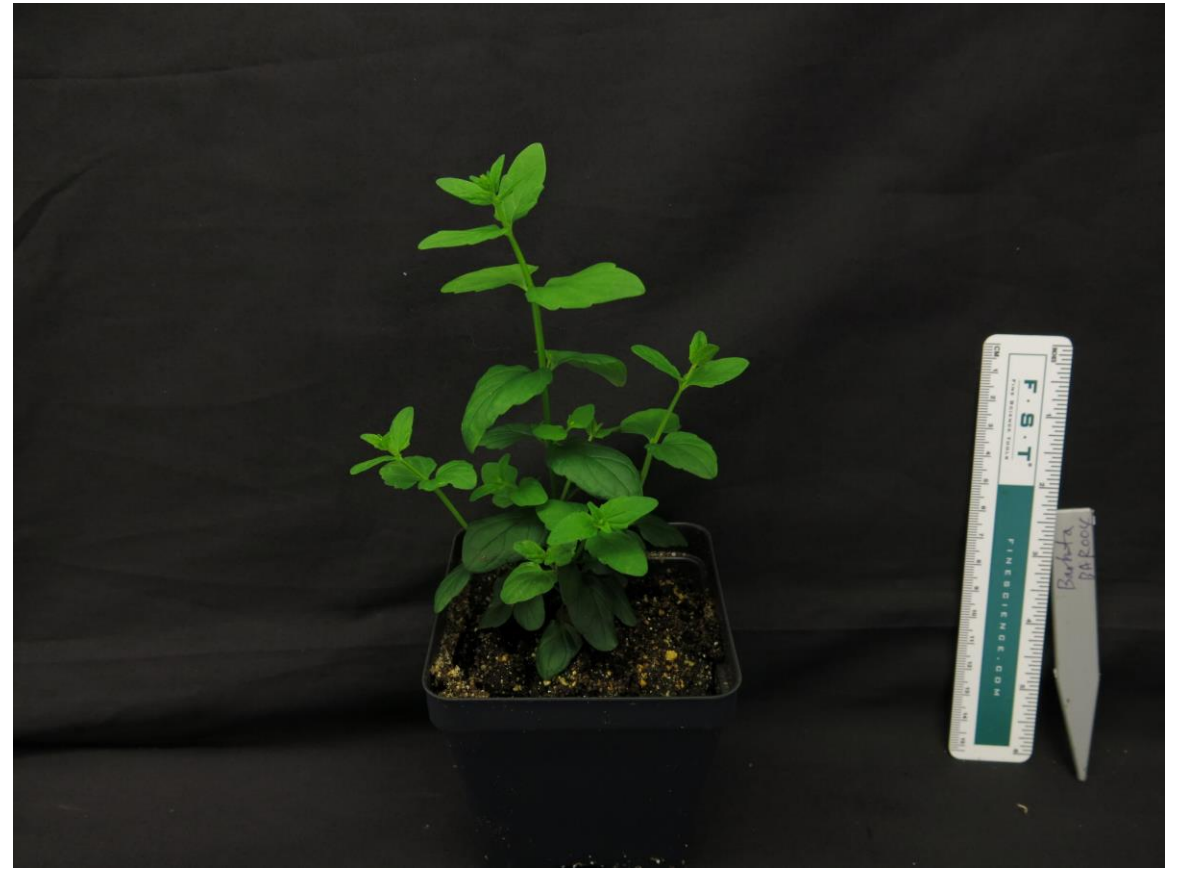
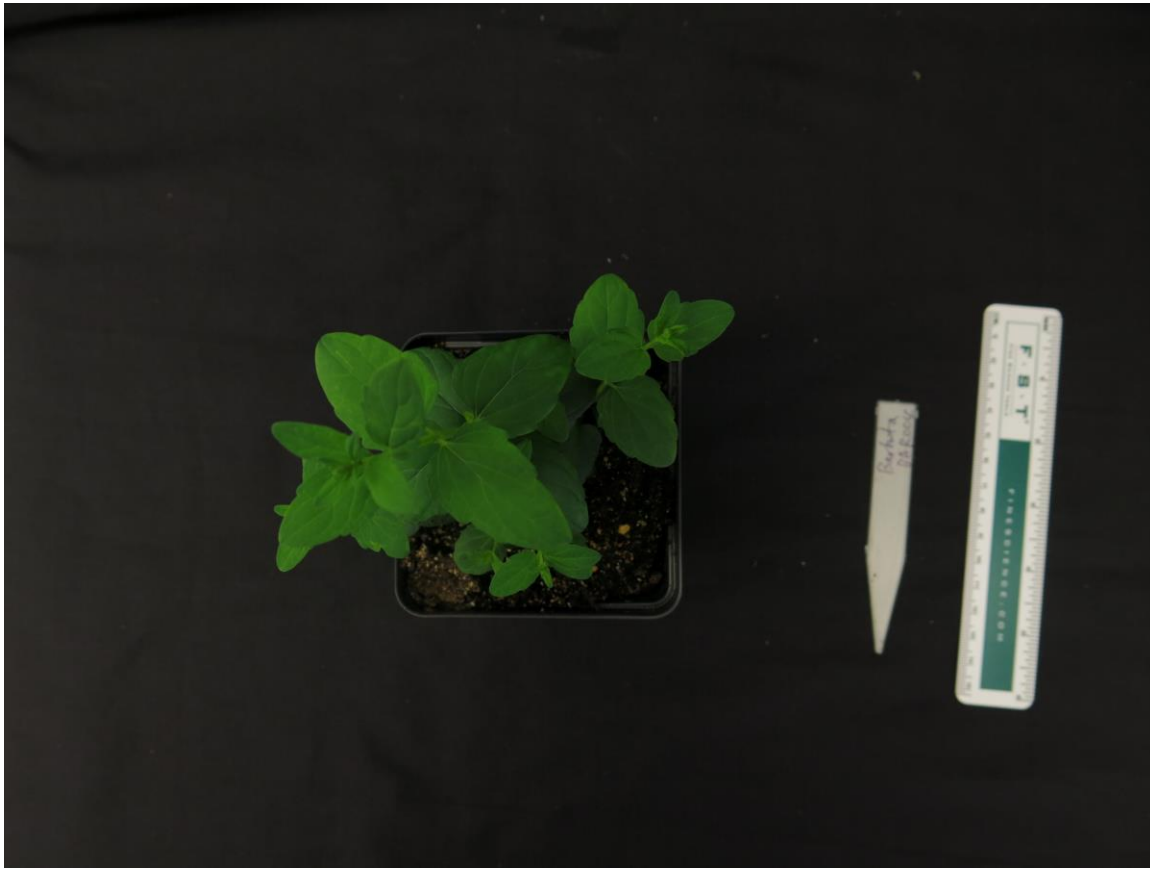
Scutellaria arenicola (40 days)



Scutellaria baicalensis (40 days)



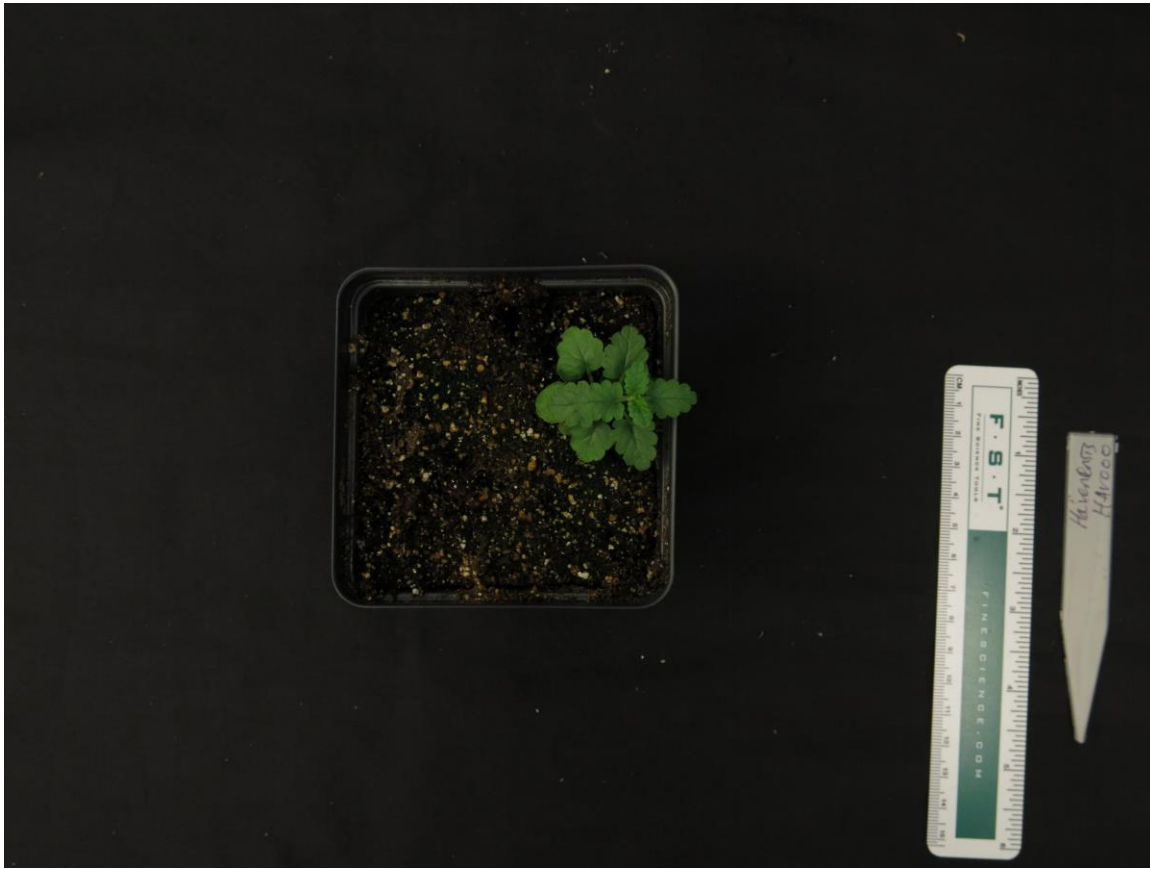
Scutellaria barbata (40 days)



Scutellaria hastifolia (40 days)



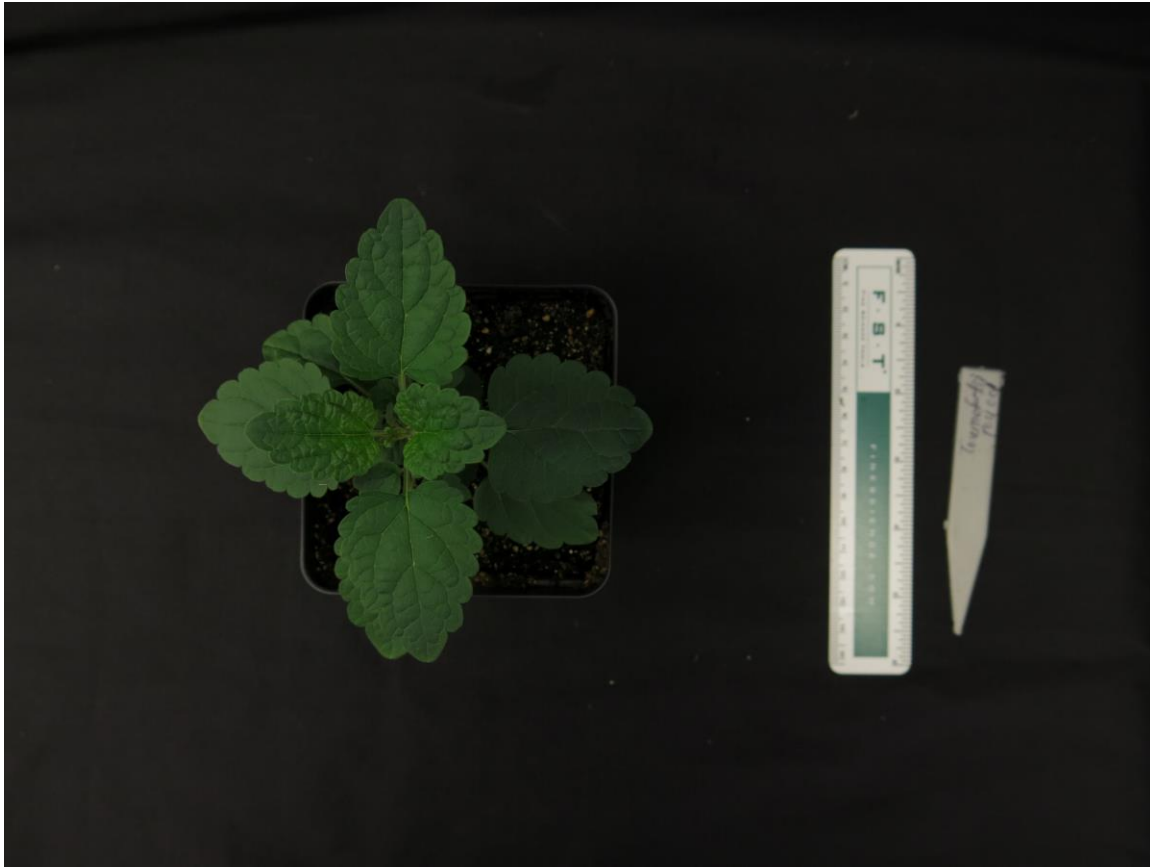
Scutellaria havanensis (40 days)



Scutellaria racemosa (40 days)



Scutellaria tournefortii (40 days)



S. baicalensis, *S. barbata*, and *S. racemosa* (60 days)



S. baicalensis

S. barbata

S. racemosa

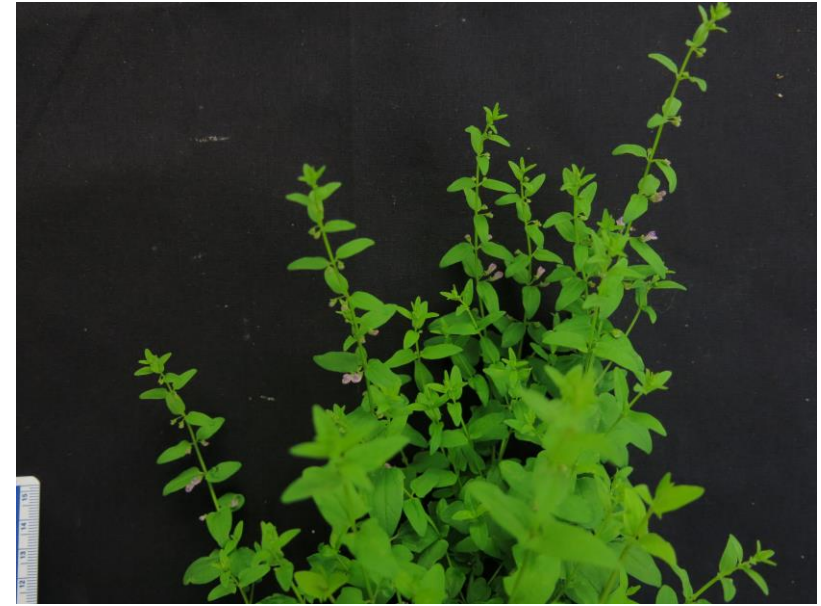
S. baicalensis, *S. barbata*, and *S. racemosa* (60 days)



S. baicalensis



S. barbata



S. racemosa

S. altissima, *S. tournefortii*, *S. arenicola*, *S. havanensis*,
and *S. hastifolia* (60 days)



S. altissima

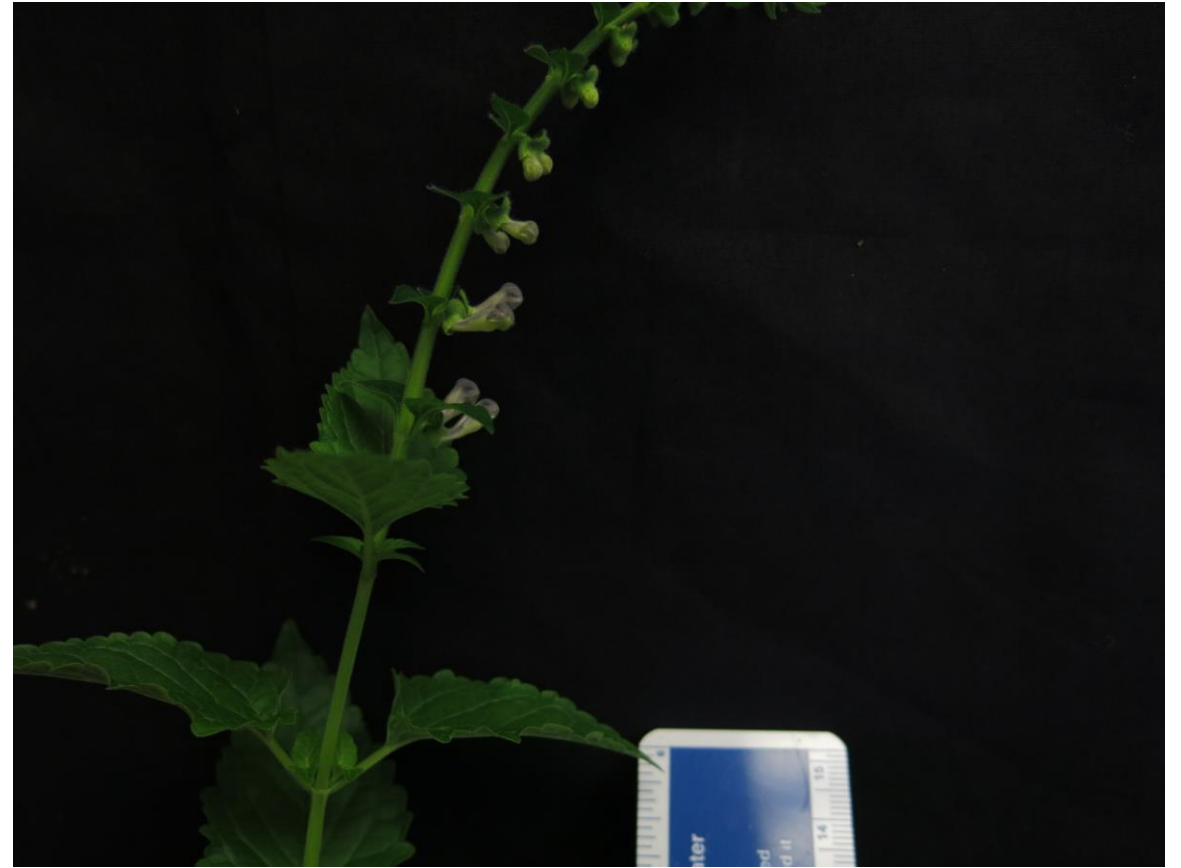
S. arenicola

S. hastifolia

S. tournefortii

S. havanensis

Scutellaria altissima (75 days)



S. hastifolia and *S. tournefortii* (75 days)



S. hastifolia *S. tournefortii*

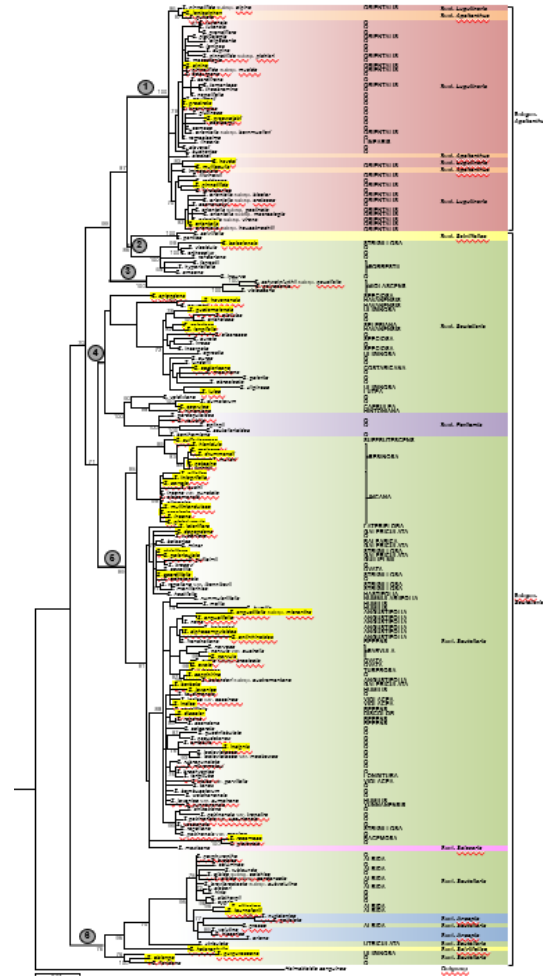


S. hastifolia

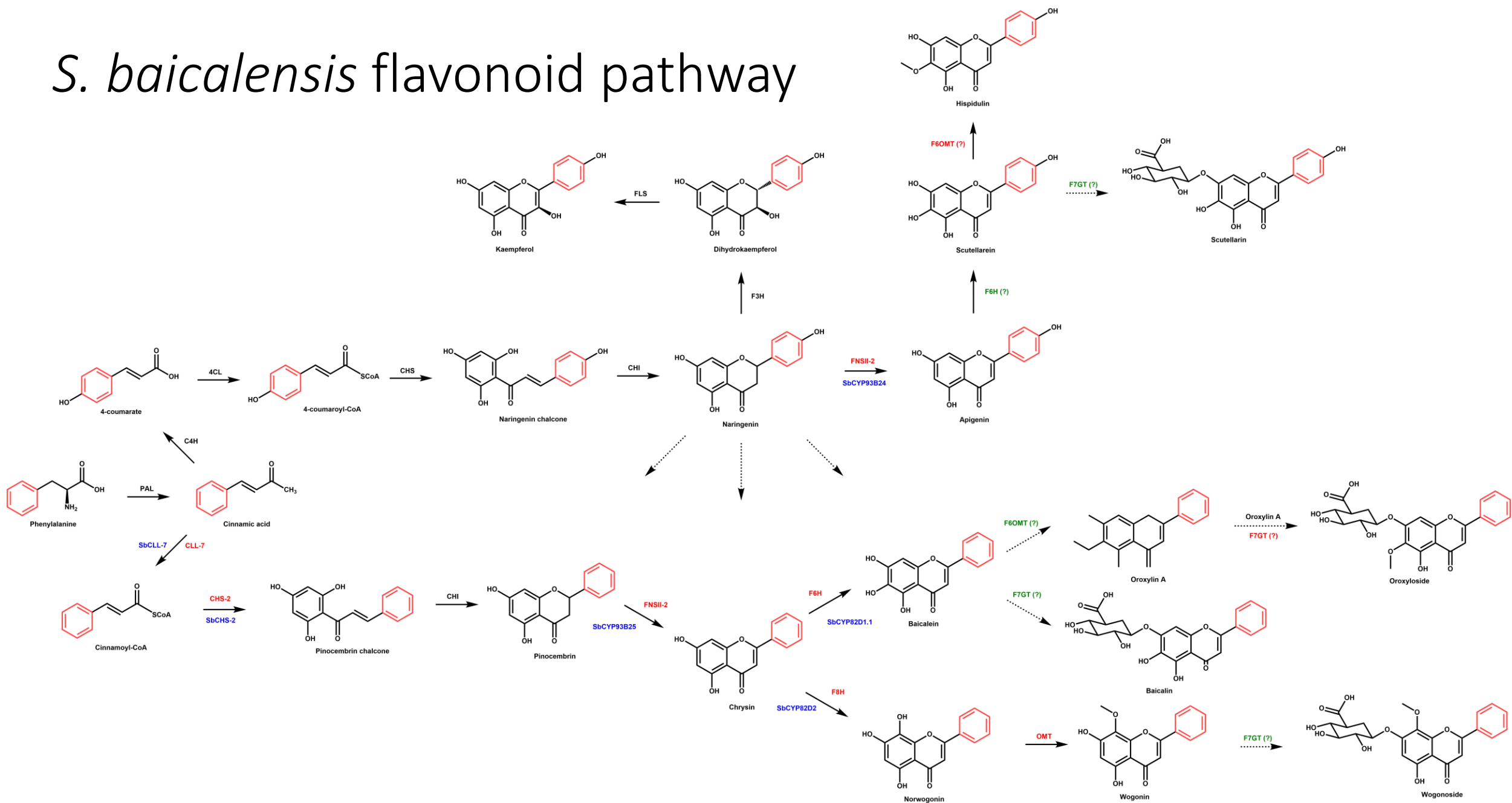
S. tournefortii

No.	Taxa	Standard Plant	1C (Mean)	SD	Genome Size (Gbp)
1	<i>S. altissima</i>	<i>Solanum</i>	0.40	0.02	0.39
2	<i>S. leonardii</i>	<i>Glycine</i>	0.51	0.02	0.50
3	<i>S. hastifolia</i>	<i>Solanum</i>	0.39	0.04	0.39
4	<i>S. havanensis</i>	<i>Solanum</i>	0.38	0.03	0.37
5	<i>S. arenicola</i>	<i>Glycine</i>	0.87	0.02	0.85
6	<i>S. tournefortii</i>	<i>Solanum</i>	0.40	0.01	0.39
7-1	<i>S. racemosa</i>	<i>Solanum</i>	0.44	0.03	0.44
8	<i>S. baicalensis</i>	<i>Solanum</i>	0.55	0.00	0.54

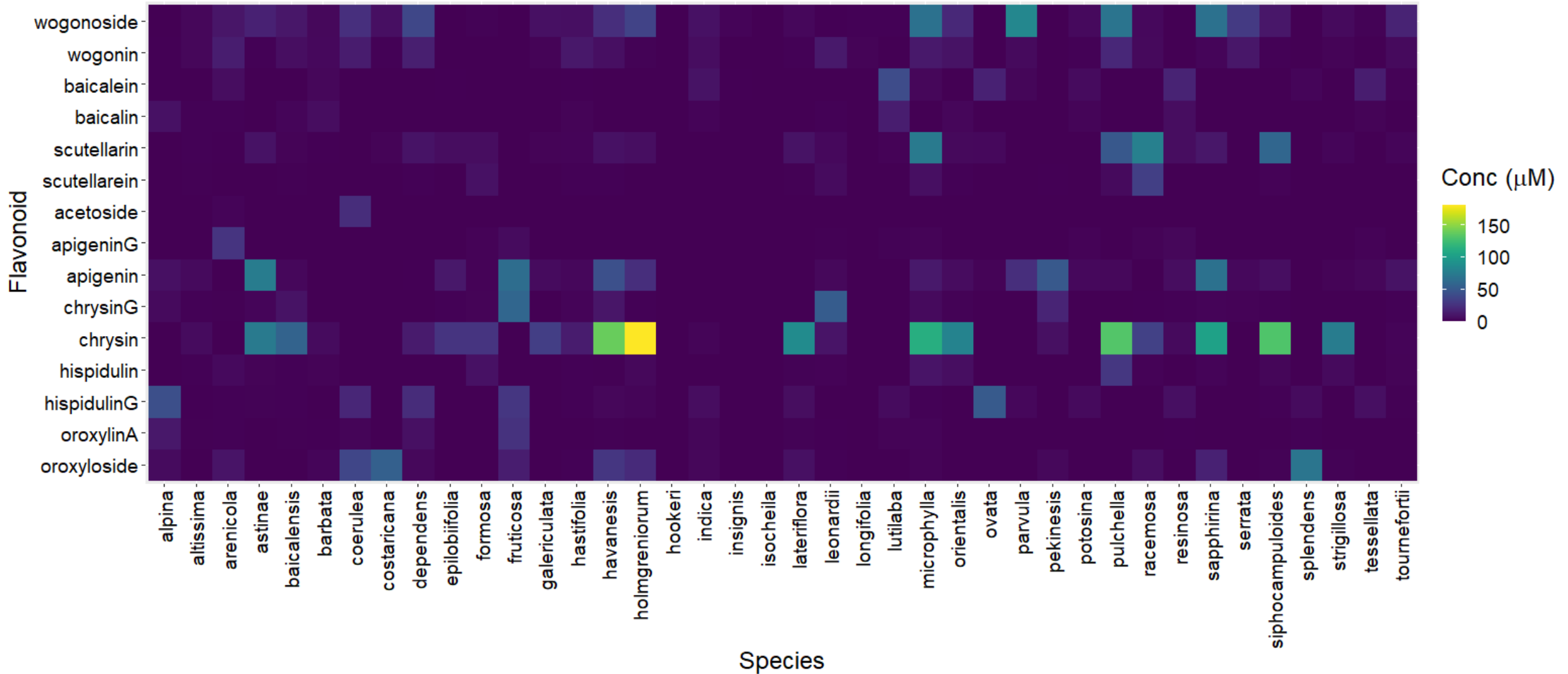
Phylogenetic tree – see other ppt file for full size



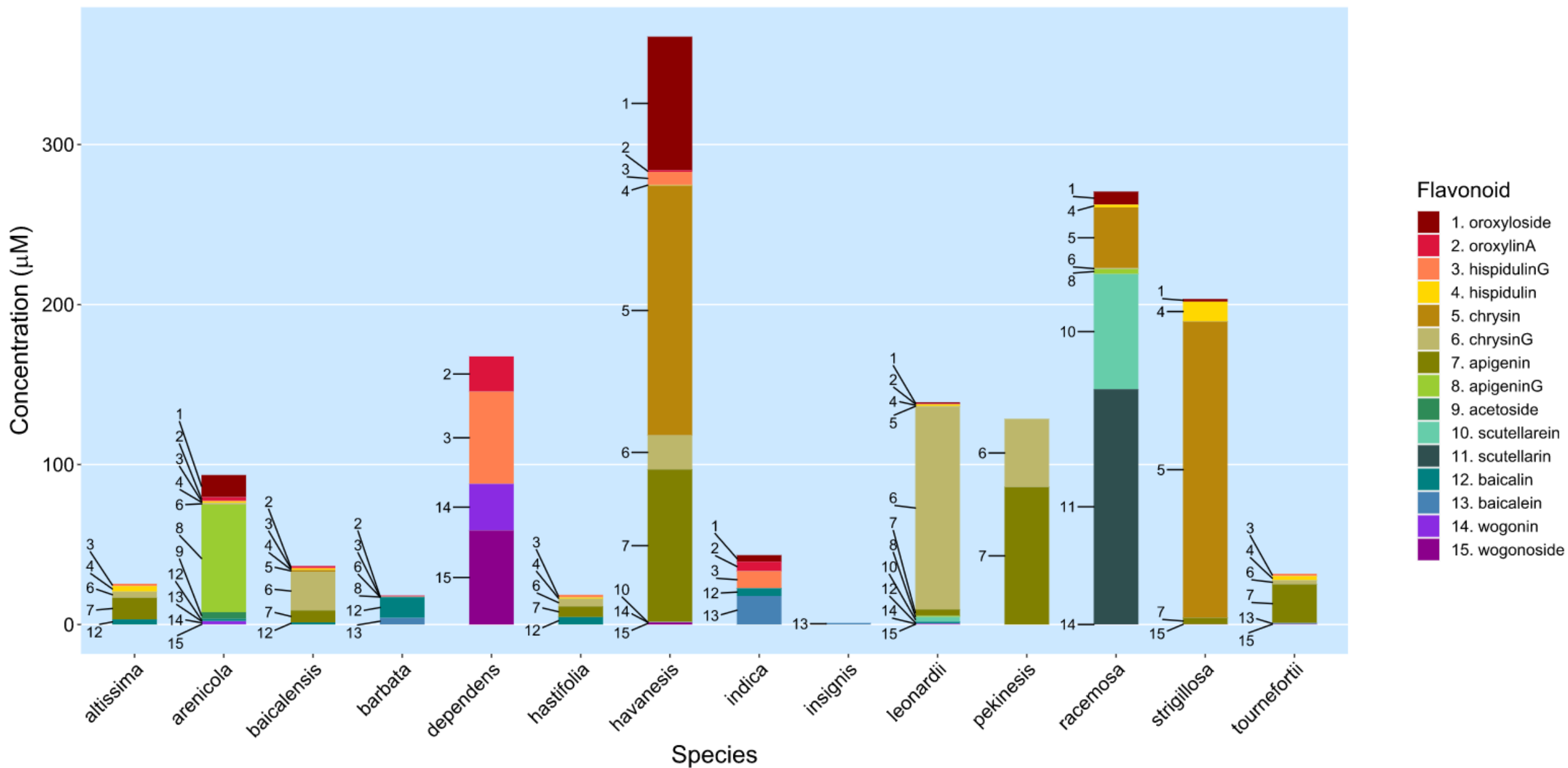
S. baicalensis flavonoid pathway

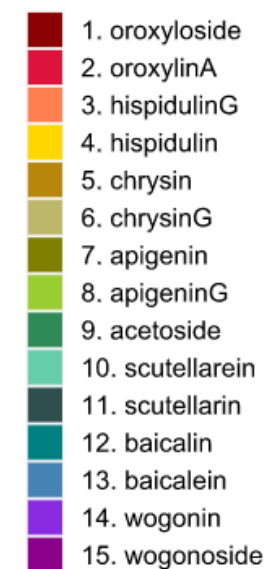


Non organ-specific flavonoid concentrations for various species of Scutellaria



Flavonoid concentrations in *Scutellaria* leaves



[illegible]

Stacked bar chart showing the number of specimens for 14 species of the genus *Aconitum*. The y-axis represents the number of specimens, ranging from 0 to 15. The x-axis lists the species. Each bar is composed of segments representing different specimen types, with numbers indicating the count for each segment. The segments are color-coded: purple (bottom), blue, green, yellow, orange, and red (top).

Species	Specimen Type 1 (Purple)	Specimen Type 2 (Blue)	Specimen Type 3 (Green)	Specimen Type 4 (Yellow)	Specimen Type 5 (Orange)	Specimen Type 6 (Red)
<i>altissima</i>	4	5	10	11	14	15
<i>arenicola</i>	1	3	4	11	13	14
<i>baicalensis</i>	4	7	10	11	14	15
<i>barbata</i>	1	4	5	10	11	13
<i>dependens</i>	1	5	7	10	11	14
<i>hastifolia</i>	1	4	5	10	11	14
<i>havanensis</i>	6	7	10	11	14	15
<i>indica</i>	1	5	14	15		
<i>insignis</i>	14	15				
<i>leonardii</i>	1	2	4	5	6	7
<i>pekinesis</i>	1	5	7	10	11	
<i>racemosa</i>	1	4	5	10	11	14
<i>strigillosa</i>	1	5	7	11	14	15
<i>tournefortii</i>	4	5	7	10	11	14



Species	Reads mapped	Reads mapped and paired	SNPs	Indels
altissima	51%	45%	4806017	45672
barbata	52%	45%	5955047	74204
havanesis	65%	60%	6867385	275630
racemosa	49%	43%	5987918	72433

For alignment to baicalensis reference genome with bwa algorithm and variant calling with mapping quality and base quality > 20