

Supplementary material 1

Table 1. Characteristics of the anatomical structure of leaves of three Siberian lilies

Characteristics	<i>L. pensylvanicum</i>	<i>L. pilosiusculum</i>	<i>L. pumilum</i>
Number of adaxial epidermal cells per 1 mm ² , pcs.	<u>66.4^B±2.0</u> 16.2	<u>55.6^C±2.7</u> 27.0	<u>100.8^A±3.0</u> 13.5
Number of adaxial stomata per 1 mm ² , pcs.	-	-	<u>40.8±1.8</u> 24.5
Adaxial stomatal index, %	-	-	<u>28.8±1.3</u> 17.3
Size of adaxial epidermal cells, mm ²	<u>39611.1^A±1650.5</u> 22.8	<u>20291.2^B±1016.5</u> 27.4	<u>15489.5^C±852.2</u> 30.1
Number of abaxial epidermal cells per 1 mm ² , pcs.	<u>57.6^C±3.0</u> 28.6	<u>77.9^B±3.0</u> 21.4	<u>91.7^A±3.7</u> 21.9
Number of abaxial stomata per 1 mm ² , pcs.	<u>40.8^B±1.6</u> 20.8	<u>44.3^B±3.5</u> 43.2	<u>65.6^A±3.1</u> 25.9
Abaxial stomatal index, %	<u>42.1^A±1.6</u> 21.3	<u>35.3^B±2.0</u> 30.5	<u>41.6^A±1.1</u> 14.5
Abaxial stomatal length, µm	-	-	<u>85.5±1.6</u> 10.1
Abaxial stomatal width, µm	-	-	<u>55.8±1.4</u> 14.1
Adaxial stomatal length, µm	<u>105.3^A±2.5</u> 12.9	<u>78.0^C±0.9</u> 6.4	<u>88.1^B±1.4</u> 8.5
Adaxial stomatal width, µm	<u>60.5^A±0.9</u> 7.9	<u>57.2^B±0.7</u> 6.6	<u>55.4^C±0.5</u> 4.5
Size of adaxial epidermal cells, mm ²	<u>22866.7^A±1745.0</u> 41.8	<u>11513.3^C±792.1</u> 37.7	<u>14190.4^B±852.2</u> 32.9
Leaf thickness in the vein area, µm	<u>1017.6^A±21.3</u> 11.5	<u>989.1^A±33.6</u> 18.6	<u>813.3^B±14.8</u> 10.0
Leaf thickness, µm	<u>552.3^B±11.2</u> 11.1	<u>411.2^C±8.5</u> 11.4	<u>590.2^A±8.3</u> 7.7
Adaxial epidermis thickness, µm	<u>49.9^A±1.2</u> 13.1	<u>39.4^C±1.5</u> 20.7	<u>43.8^B±1.5</u> 18.5
Abaxial epidermis thickness, µm	<u>48.4^A±1.5</u> 17.0	<u>32.0^C±0.7</u> 12.6	<u>42.5^B±1.2</u> 15.0
Mesophyll thickness, µm	<u>469.3^B±9.2</u> 10.8	<u>332.4^C±8.8</u> 14.6	<u>534.8^A±7.8</u> 8.0
Columnar mesophyll thickness, µm	<u>130.2^B±4.5</u> 18.8	<u>112.0^C±2.5</u> 12.1	<u>188.2^A±5.7</u> 16.5
Spongy mesophyll thickness, µm	<u>351.3^A±6.8</u> 10.5	<u>220.9^B±7.8</u> 19.4	<u>333.0^A±12.8</u> 21.1
Columnar/spongy ratio	<u>0.4^B±0.0</u> 19.0	<u>0.6^A±0.0</u> 26.4	<u>0.7^A±0.1</u> 108.3
Length of cells of the abaxial mesophyll layer, µm	<u>90.3^A±2.3</u> 13.8	<u>70.9^B±2.0</u> 15.5	<u>89.4^A±2.7</u> 16.7
Width of cells of the abaxial mesophyll layer, µm	<u>40.4^A±1.4</u> 18.7	<u>34.3^B±1.0</u> 16.4	<u>25.5^C±0.9</u> 19.3

Note: different letters indicate significant differences at p < 0.05. Data are presented as follows: above the line – arithmetic mean ± error of the mean, below the line – the coefficient of variation.