

Table S1. Proportions of individual elements in the genomes of *S. latifolia* and *S. vulgaris* (* data from Cermak et al. [28]).

Type of element	Total number of clones containing respective elements										
	<i>Silene vulgaris</i>						<i>Silene latifolia</i> *				
	Number of clones	Proportion of clones (%)	Element size (kb)	Number of clones per genome	kb	% of genome	Number of clones	Proportion of clones (%)	Number of clones per genome	kb	% of genome
Retroelements	127	41				22.9%	232	62,3			36.4%
LTR	125	40,4				22.8%	223	59,9			36.1%
Gypsy	58	18,8				12.7%	179	48,1			32.5%
Athila	3	1	7	714	4998	0.5%	32	8,6	10000	70000	2.7%
Ogre	0	0	24	0	0	0	80	21,5	25000	600000	22.7%
Peabody	8	2,6	6,5	1904	12376	1.1%	36	9,7	11250	73125	2.8%
Retand	47	15,2	11	11190	123090	11.2%	31	8,3	9687	106562	4%
Copia	67	21,6	7	15952	111664	10.1%	44	11,8	13750	96250	3.6%
Non - LTR	2	0,6				0.1%	9	2,4			0.3%
SINE	0	0	0,5	0	0	0	0	0	0	0	0
LINE	2	0,6	2,5	476	1190	0.1%	9	2,4	2812	7031	0.3%
DNA transposons	6	1,9	4	1428	5117	0.6%	3	0,8	938	4532	0.2
DNA/EnSpm	2		6	476	2856	0.3%	2		625	3750	0.1%
DNA/hAT	1		3	238	714	0.1%	0		0	0	0
DNA/MuDR	1		2,5	238	595	0.1%	1		313	782	0.1%
DNA/P	2		2	476	952	0.1%	0		0	0	0
Tandem repeats	177	57,1				0.3%	137	36,9			0.6%
Tandem repeat STAR	118	38,1	0,043	28095	1208	0.1%	29	7,8	9063	389	0.02%
Tandem repeat X.43.1	19	6	0,312	4523	1411	0.12%	101	27,2	31563	9847	0.37%
TR1	40	12,9	0,074	9523	704	0.06%	7	1,9	2188	161	0.01%
All Repetitive elements	310	100				23.4%	372	100			36.8%