

SUPPLEMENTARY DATA

TABLE S1. Information on all individual plants utilized in the study. For each individual, the taxonomic designation, a population number, individual name, location in latitude and longitude is provided. Ploidy level corresponds to mitotic or meiotic counts (number of samples refers to number of slides prepared per individual) or to inferred ploidy based on 2C estimates from flow cytometry (average 2C values are reported for an individual if there were multiple flow cytometry estimates).

Taxa	Population	Plant	Latitude	Longitude	Ploidy level	<i>n</i>	<i>2n</i>	2C pg (# samples)
						(# of samples)		
<i>C. parviflora</i> ssp. <i>grandiflora</i>	34	esp-2	38.17	-120.47	2x	6(1)	12(1)	1.889 (3)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	34	esp-3	38.17	-120.47	2x	6(1)		1.874 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	71	trim 7-6	36.87	-119.295	2x	6(2)	12(1)	1.535 (3)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	71	trim7-3	36.87	-119.295	2x		12(1)	1.57 (3)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	71	trim7-5	36.87	-119.295	2x		12(2)	1.549 (3)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	77	ws-4	38.907	-121.137	2x	6(1)	12(1)	1.856 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	78	wsc1	38.898	-121.058	2x		12(2)	1.867 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	78	wsc2	38.898	-121.058	2x		12(2)	1.87 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	34	esp1	38.17	-120.47	2x _(fc)			1.88 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	50	injm2	39.086	-120.911	2x _(fc)			1.893 (3)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	50	injm5	39.086	-120.911	2x _(fc)		12(2)	1.854 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	63	pw1f	39.04	-120.917	2x _(fc)			1.865 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	67	shpd-1	38.173	-120.451	2x _(fc)			1.869 (1)
<i>C. parviflora</i> ssp. <i>grandiflora</i>	67	shpd-2	38.173	-120.451	2x _(fc)			1.874 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	3	155c-2	35.72	-118.794	4x	12(1)	24(1)	3.259 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	4	155d-1	35.718	-118.809	4x	12(2)	24(1)	3.174 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	30	Crw-19	38.824	-120.953	4x		24	3.189 (3)
<i>C. parviflora</i> ssp. <i>parviflora</i>	30	crw-2	38.824	-120.953	4x		24(1)	3.132 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	54	mos11-1	39.127	-121.054	4x		24(1)	3.185 (3)
<i>C. parviflora</i> ssp. <i>parviflora</i>	5	156f-1	35.743	-118.903	4x _(fc)			2.934 (1)

<i>C. parviflora</i> ssp. <i>parviflora</i>	15	botch2	36.388	-121.87	4x _(fc)			2.975 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	7	247c	42.893	-122.916	6x	18(1)	36(2)	5.983 (2)
<i>C. parviflora</i> ssp. <i>parviflora</i>	25	crbr24	38.824	-120.963	6x	18(1)		5.869 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	27	crlin14	38.824	-120.963	6x		36(1)	4.554 (3)
<i>C. parviflora</i> ssp. <i>parviflora</i>	27	crlin-20	38.824	-120.963	6x	18(1)		4.38 (3)
<i>C. parviflora</i> ssp. <i>parviflora</i>	28	crlin46	38.824	-120.963	6x		36(1)	4.648 (2)
<i>C. parviflora</i> ssp. <i>parviflora</i>	29	crlin-6	38.824	-120.963	6x	18(2)	36(1)	4.533 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	29	crlin9	38.824	-120.963	6x	18(1)	36(1)	4.757 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	35	flp2a	38.704	-121.108	6x		36(3)	4.783 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	37	goth1	42.172	-122.694	6x		36(1)	4.368 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	37	gotl5	42.172	-122.694	6x		36(1)	4.631 (3)
<i>C. parviflora</i> ssp. <i>parviflora</i>	41	gp7b-1	38.591	-121.324	6x	18(1)		4.813 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	66	sha1-7	40.849	-122.342	6x			4.94 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	6	178d-3	35.531	-118.629	6x _(fc)			4.479 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	10	38a-2	43.679	-123.301	6x _(fc)			4.68 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	14	ahm1a	34.185	-118.669	6x _(fc)			4.514 (3)
<i>C. parviflora</i> ssp. <i>parviflora</i>	22	col7-1	45.689	-121.278	6x _(fc)			4.708 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	26	crlin_19	38.824	-120.963	6x _(fc)			4.411 (2)
<i>C. parviflora</i> ssp. <i>parviflora</i>	37	gotl-13	42.172	-122.694	6x _(fc)			4.583 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	45	h50b15	38.757	-120.491	6x _(fc)			4.785 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	27	crlin29	38.824	-120.963	8x	24(1)	48(1)	6.551 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	28	crlin32	38.824	-120.963	8x		48(1)	6.206 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	28	crlin4	38.824	-120.963	Unknown			6.694 (1)
<i>C. parviflora</i> ssp. <i>parviflora</i>	39	gp1a-1	38.591	-121.324	Unknown			5.908 (2)
<i>C. parviflora</i> ssp. <i>parviflora</i>	47	h62a-10	42.645	-122.81	Unknown			6.263 (3)
<i>C. perfoliata</i> ssp. <i>mexicana</i>	44	H33c4	34.508	-119.292	2x	6(1)		1.543 (3)
<i>C. perfoliata</i> ssp. <i>mexicana</i>	49	h74a6	33.519	-117.602	2x		12(2)	1.525 (3)
<i>C. perfoliata</i> ssp. <i>mexicana</i>	58	Mul1-7	34.107	-118.72	2x		12(1)	1.526 (1)
<i>C. perfoliata</i> ssp. <i>mexicana</i>	44	H33c3	34.508	-119.292	2x _(fc)			1.533 (1)
<i>C. perfoliata</i> ssp. <i>mexicana</i>	58	mul1-10	34.107	-118.72	2x _(fc)			1.536 (3)
<i>C. perfoliata</i> ssp. <i>mexicana</i>	58	mul1-8	34.107	-118.72	2x _(fc)			1.519 (1)

<i>C. perfoliata</i> ssp. <i>mexicana</i>	49	h74a1	33.519	-117.602	4x	12(2)	24(1)	2.779 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	1	676-1	37.744	-120.033	Unknown			6.268 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	2	769-2	36.908	-119.26	Unknown			7.394 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	16	Cab1-5	34.137	-118.546	4x	12(2)		3.006 (3)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	17	cab3-4	34.13	-118.549	4x	12(2)	24(1)	2.911 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	73	trim11-2	36.819	-119.387	4x		24	3.033 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	74	tuj-2-1	34.307	-118.254	4x		24(1)	2.811 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	73	trim11-8	36.819	-119.387	4x _(fc)			3.086 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	13	70b-1	39.858	-121.389	6x		36(2)	4.19 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	19	col3-3	45.697	-121.668	6x	18 (1)	36(3)	4.284 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	24	crbr17-	38.824	-120.963	6x	18(2)		5.881 (3)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	25	crbr-22	38.824	-120.963	6x		36(1)	4.462 (3)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	26	crbr26	38.824	-120.963	6x	18(1)		4.654 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	31	davis1b	38.549	-121.741	6x		36 (2)	4.364 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	42	h25d	36.504	-121.09	6x		36(1)	4.736 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	52	kx-1	38.72	-122.263	6x	18(1)	36(2)	4.796 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	56	mtda-1	37.867	-121.925	6x	18(2)	36(1)	5.71 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	57	mtda-3	37.867	-121.925	6x	18(3)	36(1)	5.866 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	62	prnsk12	38.044	-122.801	6x		36(1)	4.34 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	64	rdg13-a1	36.325	-121.029	6x	18(1)		4.713 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	65	sac1	38.55	-121.459	6x	18(1)		4.338 (3)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	75	ucwa-14	37.086	-121.181	6x		36(1)	4.685 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	14	ahm1b	34.185	-118.669	6x _(fc)			4.545 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	24	crbr15	38.824	-120.963	6x _(fc)			4.703 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	25	crbr2	38.824	-120.963	6x _(fc)			4.379 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	26	crbr9	38.824	-120.963	6x _(fc)			4.476 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	40	gp2a	38.591	-121.324	6x _(fc)			4.28 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	40	gp2b	38.591	-121.324	6x _(fc)			4.323 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	43	h33b2	34.519	-119.27	6x _(fc)			4.503 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	45	h50b-3	38.757	-120.491	6x _(fc)			4.653 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	11	62a-6	42.645	-122.81	8x	24(1)	48(1)	6.504 (2)

<i>C. perfoliata</i> ssp. <i>perfoliata</i>	23	col8-7	45.723	-121.489	8x		48 (1)	6.09 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	51	krl-1	41.831	-122.661	8x		48(1)	7.283 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	51	krl-8	41.831	-122.661	8x	24(1)	48 (2)	7.116 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	69	trim1-6	36.746	-119.474	8x		48(1)	5.954 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	72	trim9-2	36.896	-119.295	8x		48(1)	6 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	72	trim9-3	36.896	-119.295	8x		48	6.129 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	12	301-6	36.325	-121.029	Unknown			6.783 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	23	col8	45.723	-121.489	Unknown			6.137 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	24	crbr13	38.824	-120.963	Unknown			5.833 (3)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	31	Davis1a	38.549	-121.741	Unknown			7.464 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	32	davis3a	38.549	-121.741	Unknown			6.747 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	32	davis-3b	38.549	-121.741	Unknown			7.37 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	33	davis5c	38.549	-121.741	Unknown			6.827 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	35	flf-19	38.704	-121.108	Unknown			6.068 (2)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	36	Fol3-9	38.704	-121.108	Unknown			5.528 (3)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	48	h62a2	42.645	-122.81	Unknown			6.091 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	48	h62a3	42.645	-122.81	Unknown			6.142 (1)
<i>C. perfoliata</i> ssp. <i>perfoliata</i>	70	trim6-1	36.868	-119.313	Unknown			5.644 (2)
<i>C. rubra</i> ssp. <i>depressa</i>	60	prnsb1	37.997	-123	4x		24 (1)	2.934 (1)
<i>C. rubra</i> ssp. <i>depressa</i>	61	prnsc-2	37.999	-123.008	4x		24 (1)	3.088 (2)
<i>C. rubra</i> ssp. <i>depressa</i>	59	Pos1-3	35.795	-118.704	4x _(fc)			3.144 (3)
<i>C. rubra</i> ssp. <i>depressa</i>	18	col2-4	45.547	-122.197	6x	18(2)	36(1)	4.527 (1)
<i>C. rubra</i> ssp. <i>depressa</i>	20	Col4-8	45.697	-121.668	8x	24(1)	48(2)	6.076 (1)
<i>C. rubra</i> ssp. <i>depressa</i>	21	col6-1	45.69	-121.36	8x	24(1)	48(1)	6.987 (2)
<i>C. rubra</i> ssp. <i>depressa</i>	23	col8-1	45.723	-121.489	Unknown			7.287 (1)
<i>C. rubra</i> ssp. <i>rubra</i>	8	32a1	40.054	-121.613	2x		12(2)	1.459 (3)
<i>C. rubra</i> ssp. <i>rubra</i>	38	gotr1	42.172	-122.694	2x	6(1)	12 (1)	1.412 (1)
<i>C. rubra</i> ssp. <i>rubra</i>	38	gotr2	42.172	-122.694	2x		12 (1)	1.469 (1)
<i>C. rubra</i> ssp. <i>rubra</i>	46	H50-e2	38.79	-120.185	2x		12(1)	1.445 (3)
<i>C. rubra</i> ssp. <i>rubra</i>	66	sha2-6	40.853	-122.426	2x	6(1)		1.42 (3)
<i>C. rubra</i> ssp. <i>rubra</i>	68	slp3	38.717	-120.561	2x	6(1)	12 (1)	1.507 (1)

<i>C.rubra</i> ssp. <i>rubra</i>	8	32a2	40.054	-121.613	$2x_{(fc)}$	1.506 (2)
<i>C.rubra</i> ssp. <i>rubra</i>	9	36a7	40.347	-121.688	$2x_{(fc)}$	1.492 (3)
<i>C.rubra</i> ssp. <i>rubra</i>	45	h50p11	38.79	-120.185	$2x_{(fc)}$	1.382 (1)
<i>C.rubra</i> ssp. <i>rubra</i>	53	lsk4	41.282	-122.328	$2x_{(fc)}$	1.327 (1)
<i>C.rubra</i> ssp. <i>rubra</i>	53	mEEK8	39.036	-120.124	$2x_{(fc)}$	1.504 (3)
<i>C.rubra</i> ssp. <i>rubra</i>	55	mp3	34.794	-119.041	$2x_{(fc)}$	1.423 (1)
<i>C.rubra</i> ssp. <i>rubra</i>	76	wash-1	38.875	-120.019	$2x_{(fc)}$	1.472 (2)
<i>C.rubra</i> ssp. <i>rubra</i>	76	wash-2	38.887	-120.031	$2x_{(fc)}$	1.434 (1)
