ПРИЛОЖЕНИЯ

к статье М.К. Брагиной, Д.А. Афонникова, Е.А. Салиной «Прогресс в секвенировании геномов растений – направления исследований»

Приложение 1. Секвенированные геномы растений

№ п/п	Растение	Ожидаемый размер генома, Mb	Секвенированный геном, %	Покрытие секвенирования	Метод и стратегия секвенирования	Год	Ссылка
				Двудольные растения			
1	*Arabidopsis thaliana*	125	92	*	BAC, Sanger	2000	https://www.nature.com/articles/35048692
2	*Populus trichocarpa*	485	84.5	7.5	WGS, Sanger	2006	http://science.sciencemag.org/content/313/5793/1596
3	*Vitis vinifera*	487	69	8.4	WGS, Sanger	2007	https://www.nature.com/articles/nature06148
4	*Carica papaya*	372	92.4	3	WGS, BAC	2008	https://www.nature.com/articles/nature06856
5	*Lotus japonicus*	472	67	8.4	WGS, BAC	2008	https://academic.oup.com/dnaresearch/article/15/4/227/375737
6	*Cucumis sativus*	367	66	72.2	Sanger (BAC, Fosmid, Plasmid) NGS	2009	https://www.nature.com/articles/ng.475
7	*Glycine max*	1115	85	6.5	WGS	2010	https://www.nature.com/articles/nature08670
8	*Ricinus communis*	320	99	4.6	Fosmid, Plasmid	2010	https://www.nature.com/articles/nbt.1674
9	*Malus × domestica*	742	81.3	16.9	Sanger, NGS	2010	https://www.nature.com/articles/ng.654
10	*Jatropha curcas*	380	75	*	Sanger, NGS	2010	https://academic.oup.com/dnaresearch/article/18/1/65/377199
11	*Fragaria vesca*	240	99.8	39	NGS	2010	https://www.nature.com/articles/ng.740
12	*Theobroma cacao*	430	76	16.7	WGS, Sanger, NGS	2010	https://www.nature.com/articles/ng.736
13	*Arabidopsis lyrata*	207	99.8	8.3	WGS, Sanger	2011	https://www.nature.com/articles/ng.807
14	*Solanum tuberosum*	844	86	17	WGS, NGS	2011	https://www.nature.com/articles/nature10158
15	*Thellungiella parvula*	140		50	NGS	2011	https://www.nature.com/articles/ng.889
16	*Brassica rapa*	485	98	72	NGS	2011	https://www.nature.com/articles/ng.919
17	*Cannabis sativa*	820	75	110	NGS	2011	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2011-12-10-r102
18	*Cajanus cajan*	833	72.7	163.4	NGS, BAC, Sanger	2011	https://www.nature.com/articles/nbt.2022
19	*Medicago truncatula*	454	*	*	NGS, BAC,Sanger	2011	https://www.nature.com/articles/nature10625
20	*Manihot esculenta*	760	70	29	NGS	2012	https://link.springer.com/article/10.1007%2Fs12042-011-9088-z
21	*Solanum lycopersicum*	900	98	40	NGS, BAC, Sanger	2012	https://www.nature.com/articles/nature11119
22	*Solanum pimpinellifolium*	739	98	40	NGS, BAC, Sanger	2012	https://www.nature.com/articles/nature11119
23	*Cucumis melo*	450	83.3	13.5	NGS, Sanger	2012	http://www.pnas.org/content/109/29/11872
24	*Linum usitatissimum*	373	81	69	WGS, NGS	2012	http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2012.05093.x/abstract;jsessionid=3DB8097D285EB8F94775655C52AF805E.f03t03
25	*Gossypium raimondii*	880	73	103.6	WGS, NGS	2012	https://www.nature.com/articles/ng.2371
26	*Azadirachta indica*	364	95	114	NGS	2012	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-13-464
27	*Pyrus bretschneideri*	527	97.1	194	BAC, NGS	2012	http://genome.cshlp.org/content/23/2/396
28	*Betula nana*	450	96.8	66	NGS	2012	http://onlinelibrary.wiley.com/doi/10.1111/mec.12131/abstract
29	*Citrus sinensis*	367	87.3	214	NGS	2012	https://www.nature.com/articles/ng.2472
30	*Citrullus lanatus*	425	83.2	108.6	NGS	2012	https://www.nature.com/articles/ng.2470
31	*Nicotiana benthamiana*	3000	86.7	63	NGS	2012	https://apsjournals.apsnet.org/doi/10.1094/MPMI-06-12-0148-TA
32	*Prunus mume*	280	84.6	101	NGS	2012	https://www.nature.com/articles/ncomms2290
33	*Cicer arietinum*	738	73.8	207.3	NGS	2013	https://www.nature.com/articles/nbt.2491
34	*Hevea brasiliensis*	2150	51.2	13	NGS	2013	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-14-75
35	*Eutrema salsugineum*	240	99	8	Sanger	2013	https://www.frontiersin.org/articles/10.3389/fpls.2013.00046/full
36	*Prunus persica*	265	85.5	8.5	WGS, Sanger	2013	https://www.nature.com/articles/ng.2586
37	*Nelumbo nucifera*	929	86.5	106	NGS	2013	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2013-14-5-r41
38	*Utricularia gibba*	77	40	35	NGS, Sanger	2013	https://www.nature.com/articles/nature12132
39	*Lupinus angustifolius*	1150	51.9	26.9	WGS, NGS	2013	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0064799
40	*Capsella rubella*	219	61.6	22	WGS, NGS	2013	https://www.nature.com/articles/ng.2669
41	*Nicotiana sylvestris*	2682	82.9	94	WGS, NGS	2013	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2013-14-6-r60
42	*Nicotiana tomentosiformis*	2636	71.6	146	WGS, NGS	2013	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2013-14-6-r60
43	*Aethionema arabicum*	240	*	*	*	2013	https://www.nature.com/articles/ng.2684
44	*Leavenworthia alabamica*	316	*	*	*	2013	https://www.nature.com/articles/ng.2684
45	*Sisymbrium irio*	262	*	*	*	2013	https://www.nature.com/articles/ng.2684
46	*Genlisea aurea*	63.6	68	*	NGS	2013	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-14-476
47	*Tarenaya hassleriana*	290	94	139	BAC, NGS	2013	http://www.plantcell.org/content/25/8/2813
48	*Morus notabilis*	357	92	236	WGS	2013	https://www.nature.com/articles/ncomms3445
49	*Actinidia chinensis*	758	81	140	NGS	2013	https://www.nature.com/articles/ncomms3640
50	*Amborella trichopoda*	748	97	30	NGS	2013	http://science.sciencemag.org/content/342/6165/1241089
51	*Beta vulgaris*	731	78	50	NGS, Sanger	2013	https://www.nature.com/articles/nature12817
52	*Dianthus caryophyllus*	622	91	*	WGS, BAC, NGS	2013	https://academic.oup.com/dnaresearch/article/21/3/231/393171
53	*Capsicum annuum*	3480	88	186.6	NGS	2014	https://www.nature.com/articles/ng.2877
54	*Sesamum indicum*	357	85	152.7	NGS	2014	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2014-15-2-r39
55	*Chiltepin*	3070	99	67	WGS, NGS	2014	http://www.pnas.org/content/111/14/5135
56	*Pyrus communis*	600	96	11	NGS	2014	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0092644
57	*Camelina sativa*	750	82	123	NGS	2014	https://www.nature.com/articles/ncomms4706
58	*Aquilaria agallocha*	736	98	196	NGS	2014	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-15-578
59	*Salix suchowensis*	425	71	20	NGS	2014	https://www.nature.com/articles/cr201483
60	*Amaranthus hypochondriacus*	466	63	106	NGS	2014	https://academic.oup.com/dnaresearch/article/21/6/585/2754539
61	*Solanum pennellii*	1200	79	190	NGS	2014	https://www.nature.com/articles/ng.3046
62	*Coffea canephora*	710	80	30	NGS, Sanger	2014	http://science.sciencemag.org/content/345/6201/1181
63	*Brassica napus*	1130	79	72	NGS, Sanger	2014	http://science.sciencemag.org/content/345/6199/950
64	*Conyza canadensis*	335	92.3	350	NGS	2014	http://www.plantphysiol.org/content/166/3/1241

Продолжение

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65	*Glycine max*	1000	94	112	NGS	2014	https://www.nature.com/articles/nbt.2979
66	*Solanum melongena*	1130	74	*	NGS	2014	https://academic.oup.com/dnaresearch/article/21/6/649/2754548
67	*Manihot esculenta*	742	70	26	NGS, Sanger	2014	https://www.nature.com/articles/ncomms6110
68	*Ziziphus jujuba*	443	98.6	*	NGS	2014	https://www.nature.com/articles/ncomms6315
69	*Vigna radiata*	548	80	320	NGS	2014	https://www.nature.com/articles/ncomms6443
70	*Humulus lupulus*	2570	80	164	NGS	2014	https://academic.oup.com/pcp/article/56/3/428/2460756
71	*Vaccinium angustifolium*	500	*	*	NGS	2015	https://academic.oup.com/gigascience/article/4/1/1/2707532
72	*Arabis alpina*	375	*	*	*	2015	https://www.nature.com/articles/nplants201423
73	*Vigna angularis*	538	75	291	NGS	2015	https://www.nature.com/articles/srep08069
74	*Thlaspi arvense*	539	*	*	NGS	2015	https://academic.oup.com/dnaresearch/article/22/2/121/332636
75	*Primula veris*	480	63	116	NGS	2015	https://genomebiology.biomedcentral.com/articles/10.1186/s13059-014-0567-z
76	*Gossypium hirsutum*	2340	96.7	181	WGS NGS BAC-to-BAC	2015	https://www.nature.com/articles/nbt.3208
77	*Boea hygrometrica*	1690	91.52		NGS	2015	http://www.pnas.org/content/112/18/5833.full
78	*Solanum commersonii*	830	99	105	NGS	2015	http://www.plantcell.org/content/27/4/954
79	*Catharanthus roseus*	738	*	*	WGS, NGS	2015	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12827/full
80	*Ipomoea trifida*	520	*	*	NGS	2015	https://academic.oup.com/dnaresearch/article/22/2/171/333025
81	*Moringa oleifera*	315	91.78	*	*	2015	https://link.springer.com/article/10.1007%2Fs11427-015-4872-x
82	*Ocimum sanctum*	386	*	*	NGS	2015	https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-015-1640-z
83	*Gossypium barbadense*	2470	88	188	NGS	2015	https://www.nature.com/articles/srep14139
84	*Trifolium pratense*	420	73.6		NGS, BAC	2015	https://www.nature.com/articles/srep17394
85	*Salvia miltiorrhiza*	641	100	405	NGS	2015	https://academic.oup.com/gigascience/article/4/1/1/2707527
86	*Cynara cardunculus*	1084	73	133	NGS	2016	https://www.nature.com/articles/srep19427
87	*Rosa roxburghii*	481	60.6	63	NGS	2016	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0147530
88	*Arachis ipaensis*	1560	98	163	NGS	2016	https://www.nature.com/articles/ng.3517
89	*Arachis duranensis*	1250	98	154	NGS	2016	https://www.nature.com/articles/ng.3517
90	*Fagopyrum esculentum*	1300	98.3	*	NGS	2016	https://academic.oup.com/dnaresearch/article/23/3/215/1745460
91	*Lepidium meyenii*	751	97	482	NGS	2016	http://www.cell.com/molecular-plant/fulltext/S1674-2052(16)30053-3
92	*Pogostemon cablin*	1570	73	*	NGS	2016	https://www.nature.com/articles/srep26405
93	*Rubus occidentalis*	293	83	325	NGS	2016	http://onlinelibrary.wiley.com/doi/10.1111/tpj.13215/abstract
94	*Petunia axillaris*	1400	91.3	158	NGS	2016	https://www.nature.com/articles/nplants201674
95	*Petunia inflata*	1400	90.2	135	NGS	2016	https://www.nature.com/articles/nplants201674
96	*Daucus carota*	473	90	*	NGS	2016	https://www.nature.com/articles/ng.3565
97	*Juglans regia*	667	99	120	NGS	2016	http://onlinelibrary.wiley.com/doi/10.1111/tpj.13207/abstract
98	*Citrus × paradisi × Citrus trifoliate*	380	74	15	NGS	2016	https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-016-2779-y
99	*Trifolium subterraneum*	540	85.4	80	NGS	2016	https://www.nature.com/articles/srep30358
100	*Chenopodium quinoa*	1500	73	227	NGS	2016	https://academic.oup.com/dnaresearch/article/23/6/535/2647444
101	*Artocarpus camansi*	669	93	17	NGS	2016	http://onlinelibrary.wiley.com/doi/10.3732/apps.1600017/abstract
102	*Drosera capensis*	293	*	*	NGS	2016	http://onlinelibrary.wiley.com/doi/10.1002/prot.25095/abstract
103	*Olea europaea*	1380	98.8	52	NGS	2016	https://academic.oup.com/gigascience/article/5/1/1/2720990
104	*Rhazya stricta*	274	93	122	NGS	2016	https://www.nature.com/articles/srep33782
105	*Quercus lobata*	725	99	175	NGS	2016	http://www.g3journal.org/content/6/11/3485
106	*Brassica juncea*	922	85	188	NGS	2016	https://www.nature.com/articles/ng.3657
107	*Brassica nigra*	591	68	96	NGS	2016	https://www.nature.com/articles/ng.3657
108	*Cicer reticulatum*	817	90	*	NGS	2016	https://academic.oup.com/dnaresearch/article/24/1/1/2669389
109	*Macadamia integrifolia*	650	79	*	NGS	2016	https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-016-3272-3
110	*Mentha longifolia*	400	88	58.3	NGS	2016	http://www.cell.com/molecular-plant/fulltext/S1674-2052(16)30265-9
111	*Ipomoea nil*	750	98	906	NGS	2016	https://www.nature.com/articles/ncomms13295
112	*Siraitia grosvenorii*	420	*	*	NGS	2016	http://www.pnas.org/content/113/47/E7619
113	*Cardamine hirsuta*	225	92.2	263	NGS	2016	https://www.nature.com/articles/nplants2016167
114	*Glycyrrhiza uralensis*	400	94.5	817	NGS	2016	http://onlinelibrary.wiley.com/doi/10.1111/tpj.13385/abstract
115	*Momordica charantia*	340	84	*	NGS	2016	https://academic.oup.com/dnaresearch/article/24/1/51/2709597
116	*Hibiscus syriacus*	1900	*	205.2	NGS	2016	https://academic.oup.com/dnaresearch/article/24/1/71/2726856
117	*Fraxinus excelsior*	880	*	*	NGS	2016	https://www.nature.com/articles/nature20786
118	*Cephalotus follicularis*	2110	78	150	NGS	2017	https://www.nature.com/articles/s41559-016-0059
119	*Corchorus olitorius*	448	91.6	29	NGS	2017	https://www.nature.com/articles/nplants2016223
120	*Corchorus capsularis*	404	82.2	34	NGS	2017	https://www.nature.com/articles/nplants2016223
121	*Ficus carica*	356	70	90	NGS	2017	https://www.nature.com/articles/srep41124
122	*Barbarea vulgaris*	270	62	66.5	NGS	2017	https://www.nature.com/articles/srep40728
123	*Panax notoginseng*	2310	99	795	NGS	2017	https://www.sciencedirect.com/science/article/pii/S1674205217300709?via%3Dihub
124	*Dimocarpus longan*	480	98	273.4	NGS	2017	https://academic.oup.com/gigascience/article/6/5/1/3091720
125	*Capsella bursa-pastoris*	410	*	70	NGS	2017	http://onlinelibrary.wiley.com/doi/10.1111/tpj.13563/abstract
126	*Citrus ichangensis*	391	91	164.4	NGS	2017	https://www.nature.com/articles/ng.3839
127	*Citrus medica*	407	99	170.9	NGS	2017	https://www.nature.com/articles/ng.3839
128	*Atalantia buxifolia*	328	96	401.9	NGS	2017	https://www.nature.com/articles/ng.3839
129	*Citrus grandis*	381	98	427	NGS	2017	https://www.nature.com/articles/ng.3839
130	*Lactuca sativa*	2500	88	72.5	NGS	2017	https://www.nature.com/articles/ncomms14953
131	*Erigeron breviscapus*	1200	99	*	NGS	2017	https://academic.oup.com/gigascience/article/6/6/1/3738246
132	*Camellia sinensis*	3000	98	159.4	NGS	2017	https://www.sciencedirect.com/science/article/pii/S167420521730103X?via%3Dihub

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133	*Rhodiola crenulata*	420	82	380	NGS	2017	https://academic.oup.com/gigascience/article/6/6/1/3798566
134	*Betula pendula*	440	89	39	NGS	2017	https://www.nature.com/articles/ng.3862
135	*Helianthus annuus*	3600	80	102	NGS	2017	https://www.nature.com/articles/nature22380
136	*Nicotiana attenuata*	2500	92	45	NGS	2017	http://www.pnas.org/content/114/23/6133
137	*Nicotiana obtusifolia*	1500	93	50	NGS	2017	http://www.pnas.org/content/114/23/6133
138	*Spinacia oleracea*	1010	98.6	381	NGS	2017	https://www.nature.com/articles/ncomms15275
139	*Macleaya cordata*	540	*	*	NGS	2017	https://www.sciencedirect.com/science/article/pii/S1674205217301399?via%3Dihub
140	*Prunus avium*	353	77.8	90	NGS	2017	https://academic.oup.com/dnaresearch/article/24/5/499/3835854
141	*Rhizophora apiculata*	274	90	*	NGS	2017	https://academic.oup.com/nsr/article/4/5/721/3861360
142	*Punica granatum*	360	91	100	NGS	2017	https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13625
143	*Camptotheca acuminata*	516	78	*	NGS	2017	https://academic.oup.com/gigascience/article/6/9/1/4004835
144	*Populus pruinosa*	590	85	102	NGS	2017	https://academic.oup.com/gigascience/article/6/9/1/4077042
145	*Ipomoea batatas*	836	100	67	NGS	2017	https://www.nature.com/articles/s41477-017-0002-z
146	*Taraxacum kok-saghyz*	1290	100	106	NGS	2017	https://academic.oup.com/nsr/article/5/1/78/4093910
147	*Rhododendron delavayi*	700	99	352	NGS	2017	https://academic.oup.com/gigascience/article/6/10/1/4095065
148	*Fagopyrum tataricum*	490	100	425	NGS	2017	http://www.cell.com/molecular-plant/fulltext/S1674-2052(17)30243-5
149	*Cucurbita maxima*	387	100	283	NGS	2017	http://www.cell.com/molecular-plant/fulltext/S1674-2052(17)30266-6?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS1674205217302666%3Fshowall%3Dtrue
150	*Cucurbita moschata*	372	100	215	NGS	2017	http://www.cell.com/molecular-plant/fulltext/S1674-2052(17)30266-6?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS1674205217302666%3Fshowall%3Dtrue
151	*Lagenaria siceraria*	334	93.8	395	NGS	2017	https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13722
152	*Olea europaeavar. sylvestris*	1480	100	229	NGS	2017	http://www.pnas.org/content/114/44/E9413
153	*Rosa multiflora*	750	98	*	NGS	2017	https://academic.oup.com/dnaresearch/advance-article/doi/10.1093/dnares/dsx042/4554776
154	*Carnegiea gigantea*	1403	100	21.5	NGS	2017	http://www.pnas.org/content/114/45/12003
155	*Panax ginseng*	3500	98	112	NGS	2017	https://academic.oup.com/gigascience/article/6/11/1/4345651
156	*Durio zibethinus*	738	96.9	153	NGS	2017	https://www.nature.com/articles/ng.3972
157	*Cucurbita pepo*	283	93	254	NGS	2017	https://onlinelibrary.wiley.com/doi/abs/10.1111/pbi.12860
158	*Boehmeria nivea*	448	74.8	*	NGS	2017	https://academic.oup.com/dnaresearch/advance-article/doi/10.1093/dnares/dsx047/4633668
159	*Capsicum baccatum*	3900	83	136	NGS	2017	https://genomebiology.biomedcentral.com/articles/10.1186/s13059-017-1341-9
160	*Capsicum chinense*	3200	94	132	NGS	2017	https://genomebiology.biomedcentral.com/articles/10.1186/s13059-017-1341-9
161	*Eucommia ulmoides*	1200	98.8	93	NGS	2017	http://www.cell.com/molecular-plant/fulltext/S1674-2052(17)30369-6
162	*Calotropis gigantea*	225	89.8	193	NGS	2017	http://www.g3journal.org/content/8/2/385
163	*Handroanthus impetiginosus*	557	90.4	132	NGS	2017	https://academic.oup.com/gigascience/article/7/1/1/4739364
164	*Kalanchoё fedtschenkoi*	256	99	107	NGS	2017	https://www.nature.com/articles/s41467-017-01491-7
165	*Citrus unshiu*	270	98	140	NGS	2017	https://www.frontiersin.org/articles/10.3389/fgene.2017.00180/full
166	*Eschscholzia californica*	502	97	790	NGS	2017	https://academic.oup.com/pcp/article/59/2/222/4781735
167	*Eutrema heterophyllum*	405	100	249	NGS	2018	https://academic.oup.com/dnaresearch/advance-article/doi/10.1093/dnares/dsy003/4831046
168	*Eutrema yunnanense*	423	100	230	NGS	2018	https://academic.oup.com/dnaresearch/advance-article/doi/10.1093/dnares/dsy003/4831046
169	*Solanum chacoense*	882	93.7	*	NGS	2018	https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13857
170	*Santalum album*	220	100	95	NGS	2018	http://www.plantphysiol.org/content/176/4/2772
171	*Potentilla micrantha*	406	80.5	150	NGS	2018	https://academic.oup.com/gigascience/advance-article/doi/10.1093/gigascience/giy010/4860432
172	*Coffea arabica*	1300	61.6	143	NGS	2018	https://onlinelibrary.wiley.com/doi/abs/10.1111/pbi.12912
173	*Boechera retrofracta*	227	98	*	NGS, Sanger	2018	http://www.mdpi.com/2073-4425/9/4/185
174	*Glycine latifolia*	1130	83	*	NGS	2018	https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13931
175	*Rosa chinensis*	560	97.7	80	NGS	2018	https://www.nature.com/articles/s41588-018-0110-3
176	*Artemisia annua*	1740	100	260	NGS	2018	https://www.sciencedirect.com/science/article/pii/S1674205218301230?via%3Dihub
177	*Parasponia andersonii*	563	95	30	NGS	2018	http://www.pnas.org/content/115/20/E4700
178	*Trema orientalis*	506	97	20	NGS	2018	http://www.pnas.org/content/115/20/E4700
179	*Bombax ceiba*	809	105	25	NGS	2018	https://academic.oup.com/gigascience/article/7/5/giy051/4994837
180	*Juglans sigillata*	594	112	349	NGS	2018	http://www.g3journal.org/content/8/7/2153
181	*Juglans hindsii*	577	111	172	NGS	2018	http://www.g3journal.org/content/8/7/2153
182	*Juglans microcarpa*	571	165	170	NGS	2018	http://www.g3journal.org/content/8/7/2153
183	*Juglans cathayensis*	582	137	163	NGS	2018	http://www.g3journal.org/content/8/7/2153
184	*Pterocarya stenoptera*	600	165	312	NGS	2018	http://www.g3journal.org/content/8/7/2153
185	*Tectona grandis*	465	68.2	151	NGS	2018	https://academic.oup.com/dnaresearch/advance-article/doi/10.1093/dnares/dsy013/5003450
186	*Fagus sylvatica*	541	100	*	NGS	2018	https://academic.oup.com/gigascience/article/7/6/giy063/5017772
187	*Arachis monticola*	2700	97	2210	NGS	2018	https://academic.oup.com/gigascience/article/7/6/giy066/5040258
188	*Quercus suber*	934	105	*	NGS	2018	https://www.nature.com/articles/sdata201869
189	*Citrus reticulata*	370	*	35	NGS	2018	https://www.sciencedirect.com/science/article/pii/S1674205218301874?via%3Dihub
190	*Juglans nigra*	583	110	325	NGS	2018	http://www.g3journal.org/content/8/7/2153
191	*Ammopiptanthus nanus*	890	93	73	NGS	2018	https://academic.oup.com/gigascience/article/7/7/giy074/5039704
192	*Quercus robur*	736	96	*	NGS	2018	https://www.nature.com/articles/s41477-018-0172-3
193	Salvia splendens	711	113	122	NGS	2018	https://academic.oup.com/gigascience/article/7/7/giy068/5040257

Продолжение

№ п/п	Растение	Ожидаемый размер генома, Mb	Секвенированный геном, %	Покрытие секвенирования	Метод и стратегия секвенирования	Год	Ссылка
194	*Cuscuta campestris*	580	86	*	NGS	2018	https://www.nature.com/articles/s41467-018-04344-z
195	*Morella rubra*	320	99	402	NGS	2018	https://onlinelibrary.wiley.com/doi/abs/10.1111/pbi.12985
196	*Cuscuta australis*	272	97.7	97.6	NGS	2018	https://www.nature.com/articles/s41467-018-04721-8
197	*Populus alba*	536	87	*	NGS	2018	https://onlinelibrary.wiley.com/doi/abs/10.1111/pbi.12989
198	*Alnus glutinosa*	461	133	326	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
199	*Discaria trinervis*	650	47.5	294	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
200	*Dryas drummondii*	253	92	777	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
201	*Begonia fuchsioides*	935	40	189	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
202	*Nissolia schotii*	471	99	664	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
203	*Cercis canadensis*	301	110	1135	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
204	*Mimosa pudica*	896	62	413	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
205	*Casuarina glauca*	314	90	890	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
206	*Chamaecrista fasciculata*	550	78	692	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
207	*Datisca glomerata*	827	83	262	NGS	2018	http://science.sciencemag.org/content/361/6398/eaat1743
					Однодольные растения		
1	*Oryza sativa* L. ssp. *japonica*	430	93	6	BAC, Sanger	2002	http://science.sciencemag.org/content/296/5565/92
2	*Oryza sativa* L. ssp. *indica*	430	92	6	BAC, Sanger	2002	http://science.sciencemag.org/content/296/5565/79
3	*Sorghum bicolor*	818	98.5	8.5	WGS, BAC	2009	https://www.nature.com/articles/nature07723
4	*Zea mays* ssp. *mays* L.	2300		4-6	WGS, BAC	2009	http://science.sciencemag.org/content/326/5956/1112
5	*Brachypodium distachyon*	272	99.6	9.4	WGS, BAC	2010	https://www.nature.com/articles/nature08747
6	*Phoenix dactylifera*	658	60	*	*	2011	https://www.nature.com/articles/nbt.1860
7	*Setaria italica*	490	86	*	WGS, NGS	2012	https://www.nature.com/articles/nbt.2195
8	*Musa acuminata*	523	90	20.5	Sanger, NGS	2012	https://www.nature.com/articles/nature11241
9	*Hordeum vulgare*	5100	97.6	14	BAC, NGS	2012	https://www.nature.com/articles/nature11543
10	*Phyllostachys heterocycla*	2075	95	147	WGS, NGS, Sanger	2013	https://www.nature.com/articles/ng.2569
11	*Oryza brachyantha*	300	96	104	WGS, NGS, Sanger	2013	https://www.nature.com/articles/ncomms2596
12	*Triticum urartu*	4940	79.4	91	WGS, NGS	2013	https://www.nature.com/articles/nature11997
13	*Aegilops tauschii*	4360	83.4	90	WGS, NGS	2013	https://www.nature.com/articles/nature12028
14	*Elaeis guineensis*	1800	85.3	26	Sanger, BAC, NGS	2013	https://www.nature.com/articles/nature12309
15	*Musa balbisiana*	438	92	*	NGS	2013	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-14-683
16	*Ensete ventricosum*	547	84	67	NGS	2014	http://www.mdpi.com/2073-4395/4/1/13
17	*Spirodela polyrhiza*	158	90	20	WGS, NGS, BAC	2014	https://www.nature.com/articles/ncomms4311
18	*Vaccinium macrocarpon*	470	89	20	WGS, NGS	2014	https://bmcplantbiol.biomedcentral.com/articles/10.1186/1471-2229-14-165
19	*Eucalyptus grandis*	640	94	6.7	WGS, Sanger, BAC	2014	https://www.nature.com/articles/nature13308
20	*Citrus clementina*	302	99	7	WGS, Sanger	2014	https://www.nature.com/articles/nbt.2906
21	*Phaseolus vulgaris*	587	80	21	WGS, NGS, BAC	2014	https://www.nature.com/articles/ng.3008
22	*Raphanus raphanistrum*	515	49.3	20	NGS	2014	http://www.plantcell.org/content/26/5/1925
23	*Brassica oleracea*	630	85	245	NGS, Sanger	2014	https://www.nature.com/articles/ncomms4930
24	*Gossypium arboreum*	1746	98	112.6	WGS, NGS, BAC	2014	https://www.nature.com/articles/ng.2987
25	*Raphanus sativus*	529	76	246	NGS, BAC, Sanger	2014	https://academic.oup.com/dnaresearch/article/21/5/481/2754538
26	*Nicotiana tabacum*	4500	82	40	WGS, NGS	2014	https://www.nature.com/articles/ncomms4833
27	*Eragrostis tef*	700	87	*	NGS	2014	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-15-581
28	*Triticum aestivum*	1700	61	30- 241	NGS	2014	http://science.sciencemag.org/content/345/6194/1251788
29	*Oryza glaberrima*	411	77	51	BAC, Sanger	2014	https://www.nature.com/articles/ng.3044
30	*Oryza barthii*	376	85	51	NGS	2014	http://www.pnas.org/content/111/46/E4954
31	*Oryza meridionalis*	388	88	60	NGS	2014	http://www.pnas.org/content/111/46/E4954
32	*Oryza glumaepatula*	366	83	86	NGS	2014	http://www.pnas.org/content/111/46/E4954
33	*Oryza nivara*	395	85	73	NGS	2014	http://www.pnas.org/content/111/46/E4954
34	*Dendrobium officinale*	1350	99	130	NGS	2014	http://www.sciencedirect.com/science/article/pii/S1674205214000471?via%3Dihub
35	*Phalaenopsis equestris*	1160	90	*	BAC, NGS	2014	https://www.nature.com/articles/ng.3149
36	*Hordeum vulgare*	4500	86	178	BAC, NGS	2015	http://www.pnas.org/content/112/4/1095
37	*Zizania latifolia*	590	100	140	NGS	2015	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12912/abstract
38	*Lolium perenne*	2000	*	*	NGS	2015	http://onlinelibrary.wiley.com/doi/10.1111/tpj.13037/abstract
39	*Ananas comosus*	526	72.6	408	NGS	2015	https://www.nature.com/articles/ng.3435
40	*Oropetium thomaeum*	245	99	10	NGS	2015	https://www.nature.com/articles/nature15714
41	*Lemna minor*	481	98.1	*	NGS	2015	https://biotechnologyforbiofuels.biomedcentral.com/articles/10.1186/s13068-015-0381-1
42	*Dendrobium catenatum*	1110	91	*	NGS	2016	https://www.nature.com/articles/srep19029
43	*Zostera marina*	238	99	47.7	NGS, Sanger	2016	https://www.nature.com/articles/nature16548
44	*Zoysia pacifica*	370	*	*	NGS	2016	https://academic.oup.com/dnaresearch/article/23/2/171/1745492
45	*Zoysia japonica*	390	86	*	NGS	2016	https://academic.oup.com/dnaresearch/article/23/2/171/1745492
46	*Zoysia matrella*	380	*	*	NGS	2016	https://academic.oup.com/dnaresearch/article/23/2/171/1745492
47	*Zostera muelleri*	890	71	*	NGS	2016	http://www.plantphysiol.org/content/172/1/272
48	*Musa itinerans*	615	75.2	92	NGS	2016	https://www.nature.com/articles/srep31586
49	*Dichanthelium oligosanthes*	750	78	*	NGS	2016	https://genomebiology.biomedcentral.com/articles/10.1186/s13059-016-1080-3
50	*Secale cereale*	7900	35	72.4	NGS	2017	http://onlinelibrary.wiley.com/doi/10.1111/tpj.13436/abstract
51	*Xerophyta viscosa*	296	99.8	135	NGS	2017	https://www.nature.com/articles/nplants201738
52	*Eleusine coracana*	1460	82	*	NGS	2017	https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-017-3850-z
53	*Triticum turgidum*	12000	84	212	NGS	2017	http://science.sciencemag.org/content/357/6346/93
54	Apostasia shenzhenica	471	74.1	185	NGS	2017	https://www.nature.com/articles/nature23897
55	Cenchrus americanus	2350	90	376	NGS, BAC	2017	https://www.nature.com/articles/nbt.3943

Окончание

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56	*Dioscorea rotundata*	594	100	150	NGS, BAC	2017	https://bmcbiol.biomedcentral.com/articles/10.1186/s12915-017-0419-x
57	*Cocos nucifera*	2420	90.9	173.3	NGS	2017	https://academic.oup.com/gigascience/article/6/11/1/4345653
58	*Echinochloa crus-galli*	1400	90.7	171	NGS	2017	https://www.nature.com/articles/s41467-017-01067-5
59	*Asparagus officinalis*	1300	*	258.4	NGS	2017	https://www.nature.com/articles/s41467-017-01064-8
60	*Oryza coarctata*	665	85.7	250.7	NGS	2017	https://f1000research.com/articles/6-1750/v2
61	*Leersia perrieri*	323	*	150	NGS	2018	https://www.nature.com/articles/s41588-018-0040-0
62	*Oryza rufipogon*	450	75.1	201	NGS	2018	https://www.nature.com/articles/s41588-018-0040-0
63	*Oryza punctata*	423	93.1	130	NGS	2018	https://www.nature.com/articles/s41588-018-0040-0
64	*Gastrodia elata*	1180	98.5	152	NGS	2018	*https://www.nature.com/articles/s41467-018-03423-5*
65	*Phalaenopsis aphrodite*	1200	85.4	180	NGS	2018	https://onlinelibrary.wiley.com/doi/abs/10.1111/pbi.12936
66	*Saccharum* spp. R570	850	42	100	NGS	2018	https://www.nature.com/articles/s41467-018-05051-5
67	*Daemonorops jenkinsiana*	1610	98	426	NGS	2018	https://academic.oup.com/gigascience/advance-article/doi/10.1093/gigascience/giy097/5067873
68	*Calamus simplicifolius*	1980	98	372	NGS	2018	https://academic.oup.com/gigascience/advance-article/doi/10.1093/gigascience/giy097/5067873
				Водоросли			
1	*Cyanidioschyzon merolae*	17	99.9	*	WGS, BAC	2004	https://www.nature.com/articles/nature02398
2	*Ostreococcus tauri*	12.56	96.6	*	WGS, Sanger	2006	http://www.pnas.org/content/103/31/11647
3	*Ostreococcus lucimarinus*	13	*	*	WGS, Sanger	2007	http://www.pnas.org/content/104/18/7705
4	*Chlamydomonas reinhardtii*	121	95	13	WGS, Sanger	2007	http://science.sciencemag.org/content/318/5848/245
5	*Micromonas*	23	91	8.5	WGS, Sanger	2009	http://science.sciencemag.org/content/324/5924/268
6	*Micromonas*	24.5	89.8	8.5	WGS, Sanger	2009	http://science.sciencemag.org/content/324/5924/268
7	*Volvox carteri*	138	99	11.1	WGS, Sanger	2010	http://science.sciencemag.org/content/329/5988/223
8	*Chlorella variabilis*	46.2	99	9	WGS, Sanger	2010	http://www.plantcell.org/content/22/9/2943
9	*Cyanophora paradoxa*	70	99	*	NGS	2012	http://science.sciencemag.org/content/335/6070/843
10	*Coccomyxa subellipsoidea*	48.8	99	12	WGS, Sanger	2012	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2012-13-5-r39
11	*Bathycoccus prasinos*	15	99	*	WGS, Sanger	2012	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2012-13-8-r74
12	*Galdieria sulphuraria*	14	99	18	WGS, Sanger, NGS	2013	http://science.sciencemag.org/content/339/6124/1207
13	*Pyropia yezoensis*	43	99	166	WGS, NGS	2013	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0057122
14	*Chondrus crispus*	105	99	*	Sanger	2013	http://www.pnas.org/content/110/13/5247
15	*Porphyridium purpureum*	19.7	*	10		2013	https://www.nature.com/articles/ncomms2931
16	*Galdieria phlegrea*	11.4	99	6	NGS	2013	http://www.sciencedirect.com/science/article/pii/S096098221301052X?via%3Dihub
17	*Monoraphidium neglectum*	68	99	*	NGS	2013	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-14-926
18	*Klebsormidium flaccidum*	117	89	*	NGS	2014	https://www.nature.com/articles/ncomms4978
19	*Helicosporidium* sp.	13	99	62	NGS	2014	http://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1004355
20	*Picochlorum* sp.	14	99	*	NGS	2014	http://onlinelibrary.wiley.com/doi/10.1111/1462-2920.12541/abstract;jsessionid=7600A8B974DF1D3D6A730E073FFF97B8.f02t03
21	*Cymbomonas tetramitiformis*	850	99	100	NGS	2015	https://academic.oup.com/gbe/article/7/11/3047/2939544
22	*Chlorella pyrenoidosa*	57	99	25	NGS	2015	http://www.plantphysiol.org/content/169/4/2444
23	*Parachlorella kessleri*	63	99	27.8	NGS	2016	https://biotechnologyforbiofuels.biomedcentral.com/articles/10.1186/s13068-016-0424-2
24	*Gonium pectorale*	149	99	*	NGS, BAC	2016	https://www.nature.com/articles/ncomms11370
25	*Tetradesmus obliquus*	110	99.9	*	NGS	2017	http://genomea.asm.org/content/5/3/e01449-16
26	*Botryococcus braunii*	166	99.9	1250	NGS	2017	http://genomea.asm.org/content/5/16/e00215-17
27	*Chromochloris zofingiensis*	58	99.9	*	NGS	2017	http://www.pnas.org/content/114/21/E4296
28	*Porphyra umbilicalis*	88	99	165.4	NGS	2017	http://www.pnas.org/content/114/31/E6361
29	*Chlamydomonas eustigma*	130	99	*	NGS	2017	http://www.pnas.org/content/114/39/E8304
30	*Micractinium conductrix*	61	99	*	NGS	2017	https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13789
31	*Chlorella sorokiniana*	60	99	*	NGS	2017	https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13789
32	*Tetrabaena socialis*	120	99	*	NGS	2017	https://academic.oup.com/mbe/article/35/4/855/4774723
33	*Gracilariopsis chorda*	92	99	*	NGS	2018	https://academic.oup.com/mbe/article/35/8/1869/4982564
34	*Raphidocelis subcapitata*	47	99	*	NGS	2018	https://www.nature.com/articles/s41598-018-26331-6
35	*Chara braunii*	2100	*	*	NGS	2018	https://www.sciencedirect.com/science/article/pii/S0092867418308018?via%3Dihub
				Непокрытосеменные			
1	*Physcomitrella patens*	510	94	8.6	WGS, Sanger	2007	http://science.sciencemag.org/content/319/5859/64
2	*Selaginella moellendorffii*	213	99.8	7	WGS, Sanger	2011	http://science.sciencemag.org/content/332/6032/960
3	*Picea abies*	19700	*	55	WGS, NGS	2013	https://www.nature.com/articles/nature12211
4	*Pinus taeda*	21600	99	63	WGS, NGS	2014	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2014-15-3-r59
5	*Pinus lambertiana*	31000	89	62	NGS	2016	http://www.genetics.org/content/204/4/1613
6	*Ginkgo biloba*	11750	86	189.8	NGS	2016	https://academic.oup.com/gigascience/article/5/1/1/2737429
7	*Marchantia polymorpha*	280	80.3	*	NGS, WGS	2017	http://www.cell.com/cell/fulltext/S0092-8674(17)31124-8?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS0092867417311248%3Fshowall%3Dtrue
8	*Selaginella lepidophylla*	122	100	175	NGS	2018	https://www.nature.com/articles/s41467-017-02546-5
9	*Gnetum montanum*	120	100	302	NGS	2018	https://www.nature.com/articles/s41477-017-0097-2
10	*Selaginella tamariscina*	130	*	*	NGS	2018	https://www.sciencedirect.com/science/article/pii/S167420521830162X?via%3Dihub
11	*Azolla filiculoides*	750	82.7	*	NGS	2018	https://www.nature.com/articles/s41477-018-0188-8
12	*Salvinia cucullata*	260	91	*	NGS	2018	https://www.nature.com/articles/s41477-018-0188-8

* Данные не приведены.

Приложение 2. Список работ по целевому и экзомному секвенированию растений (по базе данных NCBI)

Вид	Растительный материал	Цель секвенирования	Размер цели	Метод и набор для богащения	NGS платформа	Ссылка	Год
Dodonaea viscosa	89 растений	970 генов	*	MYbaits MYcroarray, LB	Illumina	https://www.nature.com/articles/srep41367#auth-1	2017
Арахис	7 генотипов	5131и 7521 ген A и B генома соответственно	3.7 Mb	Agilent SureSelect, LB	Illumina	https://link.springer.com/article/10.1007%2Fs00438-017-1327-z	2017
Астровые	15 видов	763 консервативных ортологичных локуса	*	MYbaits MYcroarray, LB	Illumina	http://www.bioone.org/doi/10.3732/apps.1300085	2014
Губоцветные	12 видов *Calosphace* и 1 вид *Lepechinia*	517 генов	316,7 kb	Agilent SureSelect, LB	Illumina	http://www.sciencedirect.com/science/article/pii/S1055790316303256	2017
Ель	Транскриптом *Picea glauca*	Экзом	*	Roche NimbleGen array, SB	*	http://onlinelibrary.wiley.com/doi/10.1111/1755-0998.12468/abstract	2016
Кассава	100 F_1 потомство и 2 родительские линии	27 469 биаллельных SNP из 10 105 областей	2.49 Mb	Ion TargetSeq Life Technologies, LB	Ion Torrent Proton System	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0116028	2014
Картофель	83 тетраплоидных сорта и 1 моноплоидный клон	807 генов	1.44 Mb	Agilent SureSelect, LB	Illumina	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0062355	2013
Картофель и томат	Rpi-ber2 и Rpi-rzc1 F_1 популяции и картофель пуреха клон DM1-3 516 R44	580 NB-LRR кодирующих последовательностей пасленовых	*	Agilent SureSelect, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12307/abstract	2013
Клеверные	6 растений, представляющих основные линии люцерны и донника	62 низкокопийных ядерных гена и 257 последовательностей экзонов	185 kb	MYbaits MYcroarray, LB	Illumina	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0109704	2014
Клубника	48 F_1 растений из MRD30×MDR60 и их родительские линии	200 bp, окружающих каждый из 6575 ранее выявленных полиморфизмов	149 Mb	MYbaits MYcroarray, LB	Illumina	http://www.g3journal.org/content/3/8/1341	2013
Кукуруза	2 инбредные линии	2.2 Mb район без повторов и 43 гена	4.3 Mb	Roche NimbleGen array, SB	Roche 454	http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2010.04196.x/abstract;jsessionid=B109A86A11A9B87E2B4A7D3C2332FC31.f03t02	2010
	21 инбредная линия	Геномные области, включая гены производства биомассы	29 Mb	Roche NimbleGen array, SB	Roche 454	https://bmcgenomics.biomedcentral.com/articles/10.1186/1471-2164-13-703	2015
Люцерна	Референсный геном	50 генов LCN	122,45 kb	MYbaits MYcroarray, LB	Illumina	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0109704	2014
Пальмовые	36 образцов	114 хлоропластных генов	*	MYbaits MYcroarray, LB	Illumina	http://www.amjbot.org/content/102/6/888.long	2015
Просо	4 тетраплоидных и 4 октоплоидных сорта	Экзом	50 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12601/abstract	2014
Пшеница	Образец *Triticum dicoccoides* и *Triticum turgidum* var. *durum*	Часть экзона из 3497 генов	3.5 Mb	Agilent SureSelect, LB	Illumina	https://genomebiology.biomedcentral.com/articles/10.1186/gb-2011-12-9-r88	2011
	8 UK аллогексаплоидных сортов	Значительная часть экзома	56.5 Mb	Roche NimbleGen array, SB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/pbi.12009/abstract	2012
	8 UK аллогексаплоидных сортов	Значительная часть экзома	56.5 Mb	Roche NimbleGen array, SB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/j.1467-7652.2012.00713.x/abstract	2012
	2 RIL	Генбогатые районы генома	110 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12660/abstract	2014
	EMS-образца пшеницы	1846 кодирующая последовательность	6 Mbp	MYbaits MYcroarray, LB	Illumina	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0137549	2015
	EMS-мутанты	Гены, экзоны и потенциальные белковые последовательности, кодирующие домен NB-ARC	7.2 Mb	MYbaits MYcroarray, LB	Illumina	https://www.nature.com/nbt/journal/v34/n6/full/nbt.3543.html	2016
	2735 мутантных линий	Экзом	84 Mb	Roche NimbleGen array, SB	Illumina	http://www.pnas.org/content/114/6/E913	2017
	246 образцов	Экзом 3B хромосомы	*	Roche NimbleGen Seq-EZ, LB	Illumina	https://www.ncbi.nlm.nih.gov/pubmed/28378053	2017
	48 M4 образцов тетраплоида 'Kronos'	Делеция, 1874 SNP	1.9 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	https://link.springer.com/article/10.1007%2Fs00438-017-1401-6	2018
Рапс	10 генотипов	47 QTL ассоциированных геномных областей	51.2 Mb	Roche NimbleGen array, SB и LB	Roche 454 и Illumina	http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0081992	2013
	4 образца	29 регуляторных генов цветения	614 kb	Agilent SureSelect, LB	Illumina	http://journal.frontiersin.org/article/10.3389/fpls.2014.00404/full	2014
	280 инбредных линий *B. napus*	29 регуляторных генов цветения	*	Agilent SureSelect, LB	Illumina	https://www.nature.com/articles/sdata201713	2017
Рис и пшеница	72 EMS-образца риса и 6 образцов пшеницы	Экзом	42 Mb (рис) 107 Mb (пшеница)	Roche NimbleGen Seq-EZ, LB	Illumina	http://www.plantcell.org/content/26/4/1382	2014
Розиды, астериды, гвоздичноцветные, спаржевые и злаки	24 вида (22 эвдикота и 2 однодольных)	300 пластидных геномов	*	Agilent SureSelect, LB	Illumina	http://www.bioone.org/doi/10.3732/apps.1200497	2013
Сахарный тростник	2 генотипа (*Saccharum officinarum* и *Saccharum* гибрид)	Генбогатые районы от близкого родственника сорго	5.8 Mb	Agilent SureSelect, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/j.1467-7652.2012.00707.x/abstract	2012
Сосна	24 гаплоидных образца	Экзом	6.57 Mb	Agilent SureSelect, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12193/abstract	2013
	72 гаплоидных образца из картирующей популяции	Экзом	6.57 Mb	Agilent SureSelect, LB	Illumina	http://www.g3journal.org/content/4/1/29	2014
	375 деревьев	199 723 экзона по данным референсного генома	49 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-016-3081-8	2016
Сосна и ель	631 образец *Pinus contorta* и 579 образцов *Picea glauca* × *engelmanii*	26 824 гена сосны и 28 649 генов ели	*	*	*	http://onlinelibrary.wiley.com/doi/10.1111/1755-0998.12570/abstract	2016
Соя	4 мутанта, подвергнутых FN-радиации	Экзом	52.3 Mb	Roche NimbleGen array, SB	Illumina	http://www.plantphysiol.org/content/156/1/240	2011
	2 образца сорта Williams 82	Экзом	52.3 Mb	Roche NimbleGen array, SB	Illumina	http://www.plantphysiol.org/content/155/2/645	2011
Спаржевые	73 растения	272 гена	123,651 bp	MYbaits MYcroarray, LB	Illumina	http://www.sciencedirect.com/science/article/pii/S1055790316302111	2016
Томат	*Solanum pimpinellifolium* LA1589 и *Solanum lycopersicum* Heinz 1706	743 NB-LRR-подобных последовательности	*	Agilent SureSelect, LB	Illumina	https://bmcplantbiol.biomedcentral.com/articles/10.1186/1471-2229-14-120	2014
	48 генотипов	34 гена	230 kb	Agilent SureSelect, LB	Illumina	https://www.nature.com/articles/s41598-017-06120-3	2017
	По 100 F_2 растений из 6 EMS-линий	6 аллелей гена *SlLAX1*	3.8 kb	Roche NimbleGen Seq-EZ, LB	Illumina	https://academic.oup.com/pcp/article/59/6/1170/4924842	2018

Окончание

Вид	Растительный материал	Цель секвенирования	Размер цели	Метод и набор для богащения	NGS платформа	Ссылка	Год
Ячмень	36 образцов 13 сортов ячменя и 7 образцов 3 диких родственников	Экзом	61.6 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12294/abstract	2013
	Родительские и BC1F2 линии, обогащенные генотипами раннего цветения	Экзом	61.6 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12294/abstract	2014
	18 мутантных растений и 30 наугад выбранных растений дикого типа	Экзом	61.6 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	http://onlinelibrary.wiley.com/doi/10.1111/tpj.12294/abstract	2013
	3 Hv/Hb ILs и соответствующие линии доноров	Экзом	61.6 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	https://www.sciencedirect.com/science/article/pii/S1674205215002373	2014
	25 диких родителей	Генное пространство	61.6 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	http://www.genetics.org/content/203/3/1453	2016
	67 образцов	Экзом	59.5 Mb	Roche NimbleGen Seq-EZ, LB	Illumina	https://www.researchgate.net/profile/Benjamin_Kilian2/publication/305416651_Exome_sequencing_of_geographically_diverse_barley_landraces_and_wild_relatives_gives_insights_into_environmental_adaptation/links/5795cbf708aed51475e3a17e/Exome-sequencing-of-geogr	2016

* Данные не приведены.