
Genome analyses and breeding of polyploid crops

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Supplementary Table 1
The crop production data from the FAO
(<https://www.fao.org>)

R a n k	Crops/Years	Ploi dy level	2,018	2,019	2,020	2,021	2,022	Avg. 5yrs (t)
1	Sugarcane	8X	1,930,	1,956,	1,877,	1,861,	1,922,	1,909,
			727,09	290,12	806,32	933,22	059,85	763,32
			5.12	2.58	3.23	2.71	0.80	2.89
2	Maize (corn)	2X	1,124,	1,137,	1,155,	1,207,	1,163,	1,157,
			325,18	729,77	754,01	996,14	497,38	860,49
			3.92	5.03	2.51	1.74	3.13	9.27
3	Rice	2X	765,67	753,79	772,54	789,04	776,46	771,50
			8,570.	7,270.	4,696.	5,342.	1,456.	5,467.
			03	84	78	64	61	38
4	Wheat	6X	732,35	764,05	757,02	772,77	808,44	766,93
			7,019.	3,398.	3,106.	9,429.	1,568.	0,904.
			43	06	83	72	18	44
5	Oil palm fruit	2X	412,85	416,11	416,15	415,58	424,58	417,05
			4,929.	2,185.	4,752.	1,456.	7,459.	8,156.
			17	36	48	96	57	71
6	Potatoes	4X	364,01		369,38	373,78	374,77	369,75
			7,608.	366,80	1,444.	7,150.	7,763.	3,096.
			49	1,517	16	10	43	64
7	Soybean	2X	344,80	335,93	355,86	372,85	348,85	351,66
			9,297.	9,827.	6,426.	3,698.	6,427.	5,135.
			35	50	66	71	48	54
8	Cassava, fresh	2X	308,62	304,60	308,34	326,01	330,40	315,60
			8,345.	0,861.	6,891.	5,871.	8,753.	0,144.
			68	39	70	50	77	81
9	Other vegetables, fresh n.e.c.	Unk now	287,35	300,90	294,19	295,67	297,99	295,22
			1,871.	8,504.	1,856.	1,784.	5,824.	3,968.
			49	95	66	96	96	60
10	Sugar beet	4X	273,42	280,78	250,45	269,19	260,99	266,97
			3,199.	9,895.	2,266.	2,080.	8,613.	1,211.
			77	43	54	38	64	15
11	Tomatoes	2X	182,25	181,82	185,23	189,28	186,10	184,94
			0,426.	8,505.	4,813.	1,485.	7,972.	0,640.
			54	88	18	32	48	68
12	Barley	2X	141,01	158,82	156,83	145,13	154,87	151,33
			3,838.	7,743.	6,485.	3,126.	7,139.	7,666.
			34	01	42	63	86	65
13	Bananas	3X	117,20	117,33	126,73	132,08	135,11	125,69
			4,598.	9,974.	7,998.	2,173.	2,326.	5,414.
			05	18	24	51	37	07
14	Onions and shallots, dry (excluding dehydrated)	2X	97,409	100,08	105,11	106,74	110,61	103,99
			,036.9	0,528.	0,959.	8,886.	6,269.	3,136.
			7	18	04	16	81	03
15	Watermelons	2X,3 X	101,01	100,79	100,97	102,17	99,957	100,98
			4,639.	8,758.	7,005.	1,351.	,595.1	3,870.
			93	58	55	21	5	08
16	Apples	2X	85,839	87,462	90,603	93,924	95,835	90,733
			,727.8	,289.3	,540.0	,721.1	,964.9	,248.7
			9	9	4	9	7	0

			84,974	88,193	90,745	92,613	94,718	90,248
1			,109.1	,857.2	,183.8	,393.9	,396.5	,988.1
7	Cucumbers and gherkins	2X	8	1	5	1	5	4
			91,527	90,773	88,517	87,489	86,410	88,943
1			,920.2	,022.9	,053.3	,756.1	,354.7	,621.4
8	Sweet potatoes	6X	3	7	1	8	5	9
			78,768	77,653	81,485	86,396	88,257	82,512
1			,736.3	,504.5	,054.9	,256.2	,159.3	,142.2
9	Yams	2X	6	6	2	7	1	8
			80,096	77,054	76,828	76,750	74,942	77,134
2			,666.5	,568.5	,208.8	,673.6	,572.9	,538.1
0	Grapes	2X	4	2	7	2	5	0
			73,476	76,317	76,678	76,316	76,410	75,839
2			,061.6	,766.1	,733.6	,327.9	,037.4	,785.3
1	Oranges	2X	8	7	6	5	6	8
			75,564	71,827	72,389	71,958	87,221	75,792
2			,165.6	,807.0	,632.6	,173.5	,220.6	,199.9
2	Rape or colza seed	4X	4	7	2	5	2	0
			72,285	83,681	71,459	74,297	69,668	74,278
2			,258.5	,270.1	,353.2	,843.8	,142.8	,373.7
3	Seed cotton, unginned	4X	5	4	1	2	5	1
			71,251	71,424	71,900	71,967	72,603	71,829
2			,624.6	,419.3	,972.4	,904.9	,754.6	,735.2
4	Cabbages	2X	9	6	9	8	7	4
			65,307	63,743	61,557	62,791	62,409	63,161
2			,505.7	,322.7	,764.7	,068.1	,431.2	,818.5
5	Coconuts, in shell	2X	8	2	7	0	2	2
			60,033	56,721	59,045	62,120	57,581	59,100
2			,733.5	,830.8	,651.4	,089.9	,942.7	,649.7
6	Sorghum	2X	6	6	8	2	7	2
			54,744	56,104	57,397	58,705	59,312	57,252
2			,193.3	,158.0	,896.3	,397.6	,599.7	,849.0
7	Eggplants (aubergines)	2X	5	9	8	1	6	4
			54,583	56,461	56,365	57,061	59,151	56,724
2	Mangoes, guavas and		,093.1	,410.9	,594.9	,367.4	,822.8	,657.8
8	mangosteens	2X	3	4	3	0	3	5
			51,913	56,027	50,114	57,993	54,285	54,066
2			,595.4	,075.7	,578.8	,555.4	,948.6	,950.8
9	Sunflower seed	2X	3	2	5	2	6	2
			51,835	49,241	54,414	54,490	54,238	52,843
3	Groundnuts, excluding		,036.6	,520.8	,487.7	,274.7	,560.1	,976.0
0	shelled	4X	8	3	0	2	3	1
			40,518	41,706	42,931	44,173	48,335	43,533
3			,126.6	,788.4	,422.4	,858.5	,996.0	,238.4
1	Mushrooms and truffles	NA	6	7	6	0	8	3
			38,021	44,171	43,987	43,450	44,150	42,756
3	Plantains and cooking		,419.1	,712.1	,146.3	,769.6	,813.3	,372.1
2	bananas	3X	3	4	1	3	8	2
			39,432	41,758	40,611	41,922	42,233	41,191
3			,278.0	,567.5	,498.8	,498.3	,349.8	,638.5
3	Carrots and turnips	2X	8	6	5	1	5	3
			34,484	38,972	39,227	42,431	44,179	39,859
3	Tangerines, mandarins,		,495.9	,615.6	,438.5	,495.7	,830.7	,175.3
4	clementines	2X	6	6	0	6	3	2
3		Unk	38,124	38,985	39,758	37,701	38,200	38,554
5	Other fruits, n.e.c.	now	,032.2	,441.0	,502.9	,958.4	,105.9	,008.1

			4	5	7	2	9	3
3	Chillies and peppers, green		36,038	35,548	36,062	36,337	36,972	36,191
6	(Capsicum spp. and Pimenta spp.)	2X	,649.4	,267.1	,340.6	,841.1	,494.4	,918.5
			6	7	8	9	2	8
3			28,963	30,080	31,203	32,258	33,116	31,124
7	Spinach	2X	,680.9	,188.5	,063.8	,475.5	,288.1	,339.4
			4	6	6	6	1	1
3			31,466	28,304	32,347	29,566	30,859	30,509
8	Millet	2X	,956.3	,209.9	,975.1	,321.3	,664.2	,025.4
			3	5	0	6	4	0
3			27,015	27,654	28,519	30,265	29,760	28,643
9	Tea leaves	2X	,824.6	,159.5	,814.9	,018.4	,667.5	,097.0
			9	7	5	1	2	3
4			26,800	28,855	28,894	29,028	29,149	28,545
0	Green garlic	2X	,915.9	,623.3	,704.8	,026.9	,437.6	,741.7
			1	7	3	5	6	4
4			28,290	27,657	27,448	28,714	29,361	28,294
1	Pineapples	2X	,033.3	,867.6	,680.1	,479.1	,138.3	,439.7
			4	4	2	7	4	2
4			27,000	26,898	27,912	28,726	28,558	27,819
2	Cantaloupes and other melons	2X	,791.2	,435.4	,958.0	,728.7	,068.5	,396.3
			1	1	3	2	7	9
4		Unk	26,800	26,961	27,658	28,109	28,359	27,577
3	Other tropical fruits, n.e.c.	now	,785.0	,551.0	,889.4	,337.4	,402.2	,993.0
			5	5	4	7	1	4
4			27,503	25,565	27,136	28,538	28,346	27,417
4			,925.5	,121.8	,040.1	,100.3	,198.8	,877.3
4	Beans, dry	2X	0	4	5	6	6	4
			27,135	27,574	27,836	27,236	27,149	27,386
4			,866.1	,301.5	,078.8	,380.9	,446.4	,414.7
5	Lettuce and chicory	2X	9	7	4	5	1	9
			25,547	25,793	25,695	25,969	26,058	25,812
4			,332.0	,093.6	,741.7	,912.2	,228.2	,861.5
6	Cauliflowers and broccoli	2X	4	5	2	7	5	9
			23,719	24,278	24,975	25,616	26,324	24,983
4			,003.0	,767.0	,885.9	,665.4	,873.5	,039.0
7	Pears	2X	5	5	5	8	0	1
			23,991	24,668	24,285	25,012	26,354	24,862
4			,824.5	,451.6	,497.8	,445.3	,497.0	,543.2
8	Peaches and nectarines	2X	7	8	0	6	5	9
			22,612	23,143	25,321	22,659	26,385	24,024
4			,728.7	,327.4	,359.6	,155.1	,330.0	,380.1
9	Oats	6X	7	0	4	2	4	9
			23,432	23,082	23,424	23,511	23,340	23,358
5		Unk	,675.1	,373.3	,500.8	,042.6	,915.7	,301.5
0	Other beans, green	now	6	6	2	5	0	4
			24,554	21,582	23,846	23,499	21,449	22,986
5			,816.5	,849.9	,447.3	,054.9	,867.5	,607.2
1	Olives	2X	8	9	7	2	0	7
			21,824	22,259	23,048	23,309	22,806	22,649
5	Pumpkins, squash and gourds	Unk	,031.5	,179.2	,646.5	,351.5	,320.5	,505.8
2		now	6	4	1	2	4	7
			19,452	19,770	20,515	21,546	21,529	20,562
5		Unk	,694.1	,009.3	,518.0	,659.8	,604.1	,897.1
3	Lemons and limes	now	3	8	1	5	3	0

			19,865	19,823	20,344	20,775	20,945	20,350
5		Unk	,022.1	,789.0	,430.1	,396.0	,188.5	,765.2
4	Peas, green	now	7	9	3	1	8	0
			16,874	16,816	17,627	17,289	17,718	17,265
5		Unk	,187.9	,380.0	,342.5	,807.6	,128.9	,169.4
5	Taro	now	2	1	6	4	0	1
			16,939	14,220	15,086	15,937	18,095	16,055
5		Unk	,880.4	,390.6	,283.7	,557.7	,248.2	,872.2
6	Chick peas, dry	now	8	8	9	9	8	0
			14,233	14,522	14,184	14,629	15,125	14,539
5	Natural rubber in primary	Unk	,303.6	,719.1	,940.6	,301.5	,392.7	,131.5
7	forms	now	4	4	1	8	1	4
			14,228	14,484	13,893	14,031	14,422	14,212
5		Unk	,879.5	,394.6	,279.3	,286.3	,194.0	,006.7
8	Other citrus fruit, n.e.c.	now	2	5	4	7	3	8
			13,789	14,234	14,219	14,086	13,822	14,030
5		Unk	,845.5	,312.7	,152.3	,181.0	,327.5	,363.8
9	Papayas	now	5	8	9	4	9	7
			12,294	14,029	15,355	14,248	14,157	14,017
6		Unk	,684.6	,782.4	,584.1	,695.0	,880.7	,325.4
0	Triticale	now	1	2	8	9	2	0
			13,438	14,039	14,682	12,435	14,166	13,752
6		Unk	,662.5	,084.6	,647.4	,373.6	,029.7	,359.6
1	Peas, dry	now	6	0	6	7	5	1
			10,702	12,794	15,036	13,119	13,143	12,959
6		Unk	,481.9	,285.8	,812.4	,560.5	,054.9	,239.1
2	Rye	now	0	9	1	1	1	2
			12,534	12,231	12,225	12,209	12,391	12,318
6		Unk	,505.4	,648.3	,433.6	,265.4	,467.1	,464.0
3	Plums and sloes	now	1	9	5	0	7	0
			10,559	10,353	11,244	10,497	10,782	10,687
6		Unk	,453.3	,315.5	,393.4	,406.8	,333.8	,380.6
4	Coffee, green	now	5	5	1	9	9	2
					10,445	10,569	11,232	10,346
6		Unk	9,582,	9,904,	,458.1	,835.1	,656.4	,986.9
5	Okra	now	586.82	398.33	8	2	8	9
			10,430		10,300			10,053
6		Unk	,820.5	9,974,	,759.5	9,694,	9,868,	,680.1
6	Green corn (maize)	now	0	106.25	8	252.88	461.38	2
6		Unk	9,040,	9,491,	9,560,	9,701,	9,761,	9,511,
7	Pomelos and grapefruits	now	560.76	035.44	290.12	955.92	754.88	119.42
6		Unk	8,767,	9,216,	9,470,	9,867,	9,747,	9,414,
8	Dates	now	836.10	541.34	322.18	985.31	570.04	050.99
6		Unk	8,562,	9,054,	8,939,	9,361,	9,569,	9,097,
9	Strawberries	now	052.66	130.32	022.15	656.93	864.90	345.39
7		Unk	8,629,	8,770,	9,601,	8,435,	9,774,	9,042,
0	Cow peas, dry	now	315.34	031.08	667.05	108.72	865.72	197.58
7		Unk	8,523,	8,804,	8,900,	8,779,	8,824,	8,766,
1	Asparagus	now	259.03	444.90	477.15	923.09	150.02	450.84
	Edible roots and tubers with							
7	high starch or inulin content,	Unk	7,720,	7,926,	8,323,	8,559,	8,877,	8,281,
2	n.e.c., fresh	now	978.83	338.29	521.98	310.94	780.12	586.03
7		Unk	7,652,	7,898,	8,372,	8,369,	8,713,	8,201,
3	Cereals n.e.c.	now	730.04	379.03	507.14	437.77	290.37	268.87
7		Unk	6,842,	7,219,	8,209,	8,570,	8,978,	7,963,
4	Avocados	now	057.50	430.04	608.92	283.60	275.20	931.05

7		Unk	6,141,	6,811,	6,679,	6,667,	6,741,	6,608,
5	Sesame seed	now	677.57	362.18	204.50	343.67	479.41	213.47
7		Unk	6,578,	5,787,	6,381,	5,603,	6,655,	6,201,
6	Lentils, dry	now	475.50	993.71	466.04	004.03	827.78	353.41
7		Unk	6,042,	6,498,	5,816,	5,882,	5,780,	6,004,
7	Unmanufactured tobacco	now	914.80	844.06	135.89	620.75	939.51	291.00
7	Broad beans and horse	Unk	5,559,	5,363,	5,700,	6,014,	6,144,	5,756,
8	beans, dry	now	795.63	648.70	650.10	445.20	394.66	586.86
7		Unk	5,506,	5,513,	5,602,	5,792,	5,874,	5,657,
9	Cocoa beans	now	005.86	558.05	251.30	867.89	581.94	853.01
8		Unk	5,379,	4,363,	5,077,	5,503,	5,326,	5,130,
0	Pigeon peas, dry	now	709.71	866.85	334.14	626.99	932.03	293.94
8		Unk	5,103,	4,928,	5,087,	5,119,	4,970,	5,041,
1	Onions and shallots, green	now	335.99	721.24	395.60	398.63	614.74	893.24
8		Unk	4,751,	4,417,	4,878,	4,913,	4,904,	4,773,
2	Other pulses n.e.c.	now	704.76	480.06	434.50	944.08	918.25	296.33
	Chillies and peppers, dry							
8	(Capsicum spp., Pimenta	Unk	4,598,	4,168,	4,339,	4,910,	4,909,	4,585,
3	spp.), raw	now	637.71	156.58	411.79	800.80	320.76	265.53
8		Unk	4,091,	4,106,	4,317,	4,855,	4,874,	4,448,
4	Ginger, raw	now	573.06	280.56	014.44	031.84	216.17	823.21
8		Unk	4,239,	4,304,	4,435,	4,439,	4,539,	4,391,
5	Kiwi fruit	now	652.95	831.72	780.02	662.64	471.22	879.71
8		Unk	4,247,	4,246,	4,224,	4,344,	4,436,	4,299,
6	Persimmons	now	431.65	550.95	405.08	026.92	474.68	777.86
8		Unk	3,894,	4,052,	3,693,	3,622,	3,863,	3,825,
7	Apricots	now	644.75	374.91	873.05	552.80	179.61	325.02
8		Unk	3,317,	3,583,	4,173,	4,027,	3,630,	3,746,
8	Almonds, in shell	now	592.33	991.80	322.36	775.20	427.66	621.87
8		Unk	3,705,	3,484,	3,653,	3,826,	3,852,	3,704,
9	Cashew nuts, in shell	now	182.16	831.08	593.78	874.29	868.11	669.88
9		Unk	3,570,	3,510,	3,650,	3,496,	3,503,	3,546,
0	Jute, raw or retted	now	281.21	892.82	737.67	434.21	448.24	358.83
9		Unk	2,991,	3,113,	3,459,	3,522,	3,874,	3,392,
1	Walnuts, in shell	now	670.67	725.37	378.74	694.59	024.70	298.81
9		Unk	3,007,	3,065,	3,379,	3,334,	3,973,	3,352,
2	Linseed	now	647.76	280.31	359.71	601.33	931.78	164.18
9		Unk	3,412,	3,420,	3,053,	3,310,	2,223,	3,084,
3	Mixed grain	now	937.57	281.73	437.60	447.95	144.27	049.82
9	Other stimulant, spice and	Unk	2,782,	2,938,	3,194,	3,209,	3,172,	3,059,
4	aromatic crops, n.e.c.	now	898.23	734.52	223.72	495.28	094.78	489.31
9		Unk	2,560,	2,633,	2,618,	2,757,	2,765,	2,666,
5	Cherries	now	162.03	040.86	305.54	363.16	827.38	939.79
	Anise, badian, coriander,							
9	cumin, caraway, fennel and	Unk	2,003,	2,194,	2,572,	2,705,	2,751,	2,445,
6	juniper berries, raw	now	498.69	971.02	953	561.65	010.40	598.95
9		Unk	2,349,	2,420,	2,429,	2,451,	2,527,	2,435,
7	Other oil seeds, n.e.c.	now	491.70	863.94	649.07	384.58	518.38	781.53
9	Leeks and other alliaceous	Unk	2,118,	2,148,	2,141,	2,239,	2,109,	2,151,
8	vegetables	now	107.26	368.20	416.31	817	066.16	354.99
9		Unk	2,079,	2,151,	2,158,	2,134,	2,131,	2,131,
9	Chestnuts, in shell	now	285.54	184.68	715.33	871.92	240.64	059.62
1								
0		Unk	1,558,	1,725,	2,230,	2,474,	2,542,	2,106,
0	Areca nuts	now	788.75	499.38	180.84	711.69	072.10	250.55
1	Buckwheat	Unk	1,945,	1,724,	1,807,	1,871,	2,235,	1,916,

0		now	554.06	300.50	986.29	393.66	193.31	885.56
1								
1								
0		Unk	1,767,	1,415,	2,052,	1,862,	1,829,	1,785,
2	Castor oil seeds	now	450.56	036.15	585.36	081.69	521.75	335.10
1								
0	Broad beans and horse	Unk	1,736,	1,652,	1,804,	1,683,	1,642,	1,703,
3	beans, green	now	726.41	615.82	657.32	515.41	153.15	933.62
1								
0		Unk	1,381,	1,533,	1,720,	1,823,	1,939,	1,679,
4	Coir, raw	now	764.17	083.15	405.64	537.17	429.80	643.99
1								
0		Unk	1,558,	1,503,	1,440,	1,660,	1,584,	1,549,
5	Artichokes	now	221.07	806.69	087.26	298.11	513.73	385.37
1								
0		Unk	1,581,	1,408,	1,482,	1,519,	1,593,	1,517,
6	Sour cherries	now	621.71	562.51	455.15	934.67	024.70	119.75
1								
0		Unk	1,435,	1,485,	1,473,	1,512,	1,653,	1,511,
7	Maté leaves	now	443	313	739	096.17	166.80	951.59
1								
0		Unk	1,466,	1,358,	1,343,	1,314,	1,375,	1,371,
8	String beans	now	755.50	600.64	345.82	568.69	583.93	770.92
1								
0		Unk	1,192,	1,340,	1,070,	1,417,	1,644,	1,333,
9	Lupins	now	034.38	943.60	650.49	259.40	690.67	115.71
1								
1		Unk	1,324,	1,324,	1,333,	1,337,	1,329,	1,329,
0	Cashewapple	now	284.84	433.54	534.21	470.20	862.29	917.02
1								
1		Unk	1,239,	1,323,	1,399,	1,321,	1,242,	1,305,
1	Figs	now	711.48	700.39	829.22	021.82	449.04	342.39
1								
1		Unk	874,42	1,121,	1,070,	1,077,	1,195,	1,068,
2	Hazelnuts, in shell	now	3.30	862.21	990.17	393.41	732.16	080.25
1								
1		Unk	819,80	1,031,	1,032,	1,153,	1,228,	1,053,
3	Blueberries	now	3.74	696.95	358.87	233.78	595.98	137.86
1								
1		Unk	985,29	891,09	1,129,	1,214,	1,026,	1,049,
4	Pistachios, in shell	now	3.91	2.80	955.91	743.34	802.86	577.76
1								
1		Unk	1,012,	1,023,	1,027,	1,032,	1,038,	1,026,
5	Tallowtree seeds	now	602.15	474.64	113.04	891.99	670.93	950.55
1	Other nuts (excluding wild							
1	edible nuts and groundnuts),	Unk	975,96	991,11	1,029,	1,042,	1,051,	1,017,
6	in shell, n.e.c.	now	9.63	2.16	681.05	138.18	017.39	983.68
1								
1	Other berries and fruits of the	Unk	1,004,	1,025,	988,37	1,005,	1,021,	1,009,
7	genus vaccinium n.e.c.	now	542.36	669.30	7.22	166.53	643.25	079.73
1								
1		Unk	1,015,	963,54	948,45	968,76	968,69	973,07
8	Melonseed	now	920.22	2.11	4.11	7.83	2.23	5.30

1								
1								
9	Flax, raw or retted	Unk now	864,61 7.97	1,091, 186.57	971,24 2.90	897,88 2.04	875,99 4.92	940,18 4.88
1								
2	Raspberries	Unk now	899,74 2.45	877,94 2.63	934,76 7.39	925,50 1.73	947,85 2.03	917,16 1.25
0								
1								
2	Other sugar crops n.e.c.	Unk now	940,87 3.38	869,63 2.77	857,71 1.23	851,83 5.90	872,41 6	878,49 3.86
1								
2								
2	Karite nuts (sheanuts)	Unk now	780,75 1.37	874,93 5.09	807,90 4.89	822,89 8.46	815,82 5.10	820,46 2.98
1								
2								
3	Pepper (Piper spp.), raw	Unk now	788,34 3.04	786,49 5.54	811,17 0.15	788,03 2.04	812,67 3.57	797,34 2.87
1								
2								
4	Mustard seed	Unk now	658,60 0.49	656,28 5.47	684,66 5.02	687,10 8.62	852,80 7.53	707,89 3.43
1								
2								
5	Currants	Unk now	679,02 5.98	643,93 9.16	684,86 2.22	728,73 8.32	764,49 8.98	700,21 2.93
1								
2	Safflower seed	Unk now	609,02 1.89	586,67 4.83	660,05 5.15	628,55 6.42	995,50 7.60	695,96 3.18

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		Unk now	663,93 4.65	658,45 8.48	698,33 3.69	699,85 5.23	702,01 5.15	684,51 9.44
	Quinces							
		Unk now	650,69 3.94	712,08 1.18	729,67 0.90	637,62 0.69	684,26 3.78	682,86 6.10
	Vetches							
		Unk now	645,68 6.53	633,00 4.23	659,08 2.03	664,02 4.58	658,70 7.96	652,10 1.07
	Fonio							
		Unk now	580,24 8.65	572,51 6.63	605,54 1.99	599,00 8.68	615,69 4.71	594,60 2.13
	Other stone fruits							
		Unk now	448,23 3.44	470,22 4.47	738,30 8.07	572,94 5.30	554,14 6.12	556,77 1.48
	Other fibre crops, raw, n.e.c.							
		Unk now	597,63 0.44	530,18 2.17	533,51 4.39	491,73 7.31	582,92 3.64	547,19 7.59
	Cranberries							
		Unk now	415,22 0.89	433,29 9.54	453,76 4.49	454,11 3.44	453,68 5.31	442,01 6.73
	Tung nuts							
		Unk now	463,90 7.39	405,67 0.11	407,74 4.80	381,38 2.65	396,40 6.96	411,02 2.38
	Yautia							
		Unk now	307,10 6.59	310,69 0.34	311,23 1.92	311,55 0.61	315,02 4.47	311,12 0.79
	Kola nuts							
		Unk now	295,81 6.43	284,66 5.02	282,32 8.08	284,56 5.54	283,28 7.08	286,13 2.43
	Kapok fruit							
		Unk now	227,02 0.28	265,09 2.40	303,17 6.11	223,06 7.86	245,56 8.03	252,78 4.94
	Canary seed							
		Unk now	238,81 1.27	229,35 7.19	261,80 9.65	215,00 3.05	246,51 1.30	238,29 8.49
	Bambara beans, dry							
		Unk now	232,46 7.87	229,65 7.44	229,91 1.88	226,28 6.30	224,92 6.49	228,65 0.00
	Kenaf, and other textile bast fibres, raw or retted							
		Unk now	162,86 4.05	232,02 3.21	219,99 5.10	274,88 2.93	247,06 4.39	227,36 5.94
	True hemp, raw or retted							
		Unk now	222,12 7	223,00 6.59	211,26 6.82	222,29 1.38	222,52 3.87	220,24 3.13
	Cinnamon and cinnamon-tree flowers, raw							
		Unk now	207,63 3.87	201,09 5.09	208,13 0.93	220,32 3.12	213,30 4.53	210,09 7.51
	Sisal, raw							
		Unk now	179,96 5.16	187,34 4.87	195,66 0.81	185,12 3.23	183,45 2.31	186,30 9.28
	Cloves (whole stems), raw							
		Unk now	169,91 3.18	174,51 2.41	173,46 7.81	181,00 8.06	158,54 5.32	171,48 9.36
	Hop cones							

1								
4		Unk	159,73	161,05	175,38	157,86	158,98	162,60
5	Quinoa	now	6.78	3.42	1.91	4.17	5.17	4.29
1								
4	Nutmeg, mace, cardamoms,	Unk	142,19	134,22	133,62	147,85	138,88	139,36
6	raw	now	9.36	8.94	9.33	8.61	7.87	0.82
1								
4	Other pome fruits	Unk	135,88	129,14	127,44	130,58	129,48	130,50
7		now	7.12	8.05	8.84	3.64	1.01	9.73
1								
4	Abaca, manila hemp, raw	Unk	107,99	107,67	107,68	107,52	107,49	107,67
8		now	4	2.76	2.62	3.24	4.92	3.51
1								
4	Gooseberries	Unk	77,427	80,626	83,942	90,825	95,425	85,649
9		now	.37	.08	.94	.10	.32	.36
1								
5	Brazil nuts, in shell	Unk	74,876			72,375	79,277	73,728
0		now	.61	71,151	70,961	.22	.79	.32
1								
5	Peppermint, spearmint	Unk	106,36	74,222	48,434	38,007	51,081	63,621
1		now	3.82	.16	.92	.55	.46	.98
1								
5	Locust beans (carobs)	Unk	46,419	47,608	50,054	51,684	56,423	50,438
2		now	.63	.21	.26	.96	.36	.08
1								
5	Agave fibres, raw, n.e.c.	Unk	40,476	40,628	40,481	40,655	40,639	40,576
3		now	.62	.38	.25	.94	.24	.29
1								
5	Ramie, raw or retted	Unk	56,339	60,352	62,021	8,165.	7,625.	38,900
4		now	.42	.64	.67	69	16	.92
1								
5	Chicory roots	Unk	33,302	33,593	30,830	32,234	32,662	32,524
5		now	.23	.71	.54	.65	.22	.67
1								
5	Hempseed	Unk	4,457.	47,818	31,960	33,388	42,266	31,978
6		now	20	.56	.54	.55	.75	.32
1								
5	Poppy seed	Unk	29,648	30,014	23,185	23,659	14,857	24,272
7		now	.01	.11	.73	.28	.07	.84
1								
5	Vanilla, raw	Unk	7,471.	6,998.	7,012.	7,616.	7,704.	7,360.
8		now	98	13	07	32	03	51
1								
5	Pyrethrum, dried flowers	Unk	5,909.	6,964.	5,715.	6,043.	5,049.	5,936.
9		now	64	48	32	78	45	53
1								
6		Unk						146.98
0	Jojoba seeds	now	143.33	147.6	149.41	148	146.58	4

Supplementary Table 2
The summary of polyploid genome assembly.

Name	Ploid	Type	Reference
<i>Medicago sativa</i>	2n = 4x2n	auto	Allele-aware chromosome-level genome assembly and efficient transgene-free genome editing for the autotetraploid cultivated alfalfa
<i>Medicago sativa</i>	2n = 4x2n	auto	The Chromosome-Level Genome Sequence of the Autotetraploid Alfalfa and Resequencing of Core Germplasms Provide Genomic Resources for Alfalfa Research
<i>Medicago sativa</i>	2n = 4x2n	auto	Genome Assembly of Alfalfa Cultivar Zhongmu-4 and Identification of SNPs Associated with Agronomic Traits
<i>Solanum tuberosum</i>	2n = 4x2n	auto	Chromosome-scale and haplotype-resolved genome assembly of a tetraploid potato cultivar
<i>Solanum tuberosum</i>	2n = 4x2n	auto	Genome architecture and tetrasomic inheritance of autotetraploid potato
<i>Solanum tuberosum</i>	2n = 4x2n	auto	The autotetraploid potato genome provides insights into highly heterozygous species
<i>Solanum tuberosum</i>	2n = 4x2n	auto	Haplotype-resolved assembly of a tetraploid potato genome using long reads and low-depth offspring data
<i>Solanum tuberosum</i>	2n = 4x2n	auto	Phased, chromosome-scale genome assemblies of tetraploid potato reveal a complex genome, transcriptome, and predicted proteome landscape underpinning genetic diversity
<i>Rheum officinale</i>	2n =	auto	The haplotype-resolved genome assembly of autotetraploid rhubarb <i>Rheum officinale</i> provides insights into its genome evolution and massive accumulation of

	4		anthraquinones
	x		
	n	se	
	=	g	
<i>Chrysanthemum morifolium</i>	3	all	Analyses of a chromosome-scale genome assembly reveal the origin and evolution of cultivated chrysanthemum
	x	o	
	2		
	n	all	
	=	o +	
<i>Ipomoea batatas</i>	6	aut	Haplotype-resolved sweet potato genome traces back its hexaploidization history
	x	o	
	2		
	n		
	=		
<i>Cyclocarya paliurus</i>	4	aut	Genomic insights into biased allele loss and increased gene numbers after genome duplication in autotetraploid <i>Cyclocarya paliurus</i>
	x	o	
	2		
	n		
	=		
<i>Cyclocarya paliurus</i>	4	aut	Whole-genome Duplication Reshaped Adaptive Evolution in A Relict Plant Species, <i>Cyclocarya paliurus</i>
	x	o	
	2		
	n		
	=		
<i>Helianthus tuberosus</i>	6	aut	Haplotype-resolved chromosome-level genome of hexaploid Jerusalem artichoke provides insights into its origin, evolution, and inulin metabolism
	x	o	
	n		
	=		
<i>Saccharum spontaneum</i>	4	aut	Allele-defined genome of the autopolyploid sugarcane <i>Saccharum spontaneum</i> L.
	x	o	
	2		
	n		
	=		
<i>Saccharum spontaneum</i>	4	aut	Genomic insights into the recent chromosome reduction of autopolyploid sugarcane <i>Saccharum spontaneum</i>
	x	o	
	2		
	n		
	=	all	
	1	o +	
<i>Saccharum spontaneum</i>	2	aut	The complex polyploid genome architecture of sugarcane
	x	o	
	2		
	n		
	=	all	
<i>Saccharum spontaneum</i>	1	o +	A chromosomal-scale genome assembly of modern cultivated hybrid sugarcane provides insights into origination and evolution
	2	aut	
	x	o	
	2		
	n		
	=		
<i>Syzygium samarangense</i>	4	aut	The haplotype-resolved autotetraploid genome assembly provides insights into the genomic evolution and fruit divergence in wax apple (<i>Syzygium samarangense</i> (Blume) Merr. and Perry)
	x	o	
	2		
	n		
	=		
<i>Onobrychis viciifolia</i>	4	aut	A chromosome-level genome assembly for <i>Onobrychis viciifolia</i> reveals gene copy number gain underlying enhanced proanthocyanidin biosynthesis
	4	o	

<i>Corydalis yanhusuo</i>	x 2 n = 4 x	aut o	Haplotype-resolved genome assembly of <i>Corydalis yanhusuo</i> , a traditional Chinese medicine with unusual telomere motif
<i>Zanthoxylum armatum</i>	2 n = 4 x	aut o	The complex genome and adaptive evolution of polyploid Chinese pepper (<i>Zanthoxylum armatum</i> and <i>Zanthoxylum bungeanum</i>)
<i>Zanthoxylum armatum</i>	2 n = 4 x	aut o	Chromosome-level genome assembly of Sichuan pepper provides insights into apomixis, drought tolerance, and alkaloid biosynthesis
<i>Actinidia deliciosa</i>	2 n = 6 x	aut o	Chromosome-level genome of putative autohexaploid <i>Actinidia deliciosa</i> provides insights into polyploidisation and evolution
<i>Actinidia arguta</i>	2 n = 4 x	aut o	Genome assembly of autotetraploid <i>Actinidia arguta</i> highlights adaptive evolution and dissects important economic traits
<i>Musa acuminata</i>	2 n = 3 x	aut o	Origin and evolution of the triploid cultivated banana genome
<i>Gossypium hirsutum</i>	2 n = 4 x	all o	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement
<i>Gossypium barbadense</i>	2 n = 4 x	all o	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement
<i>Gossypium mustelinum</i>	2 n = 4 x	all o	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement
<i>Gossypium darwinii</i>	2 n = 4 x	all o	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement
<i>Gossypium tomentosum</i>	2 n = 4 x	all o	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement

	2		
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	=		
<i>Gossypium ekmanianum</i>	4	all	Genomic diversifications of five <i>Gossypium</i> allopolyploid species and their impact on cotton improvement
	x	o	
	2		
	n		
	=		
<i>Gossypium ekmanianum</i>	4	all	Evolutionary divergence of duplicated genomes in newly described allotetraploid cottons
	x	o	
	2		
	n		
	=		
<i>Gossypium stephensii</i>	4	all	Evolutionary divergence of duplicated genomes in newly described allotetraploid cottons
	x	o	
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<i>Gossypium hirsutum</i>	4	all	Evolutionary divergence of duplicated genomes in newly described allotetraploid cottons
	x	o	
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<i>Gossypium hirsutum</i>	4	all	Genome sequence of <i>Gossypium herbaceum</i> and genome updates of <i>Gossypium arboreum</i> and <i>Gossypium hirsutum</i> provide insights into cotton A-genome evolution
	x	o	
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<i>Gossypium barbadense</i>	4	all	Structural variation (SV)-based pan-genome and GWAS reveal the impacts of SVs on the speciation and diversification of allotetraploid cottons
	x	o	
	2		
	n		
	=		
<i>Gossypium barbadense</i>	4	all	<i>Gossypium barbadense</i> and <i>Gossypium hirsutum</i> genomes provide insights into the origin and evolution of allotetraploid cotton
	x	o	
	2		
	n		
	=		
<i>Gossypium hirsutum</i>	4	all	<i>Gossypium barbadense</i> and <i>Gossypium hirsutum</i> genomes provide insights into the origin and evolution of allotetraploid cotton
	x	o	
	2		
	n		
	=		
<i>Gossypium hirsutum</i>	4	all	Genome resources for three modern cotton lines guide future breeding efforts
	x	o	
	2		
	n		
	=		
<i>Triticum aestivum</i>	6	all	Multiple wheat genomes reveal global variation in modern breeding
	x	o	
	2		
	n		
	=		
<i>Triticum aestivum</i>	6	all	Long-read genome sequencing of bread wheat facilitates disease resistance gene cloning
	x	o	
<i>Triticum aestivum</i>	2	all	A chromosome-based draft sequence of the hexaploid

	n = 6x2n = 4x2n = 4x2n = 4x2n = 6x2n = 4x2n = 6x2n = 4x2n = 4x2n = 2n	o	bread wheat (<i>Triticum aestivum</i>) genome
<i>Triticum turgidum</i>		all o	Durum wheat genome highlights past domestication signatures and future improvement targets
<i>Triticum turgidum</i>		all o	Wild emmer genome architecture and diversity elucidate wheat evolution and domestication
<i>Avena sativa</i>		all o	Reference genome assemblies reveal the origin and evolution of allohexaploid oat
<i>Avena insularis</i>		all o	Reference genome assemblies reveal the origin and evolution of allohexaploid oat
<i>Avena sativa</i>		all o	The mosaic oat genome gives insights into a uniquely healthy cereal crop
<i>Avena insularis</i>		all o	The mosaic oat genome gives insights into a uniquely healthy cereal crop
<i>Arachis hypogaea</i>		all o	A genomic variation map provides insights into peanut diversity in China and associations with 28 agronomic traits
<i>Arachis hypogaea</i>		all o	The genome sequence of segmental allotetraploid peanut <i>Arachis hypogaea</i>
<i>Arachis hypogaea</i>		all o	The genome of cultivated peanut provides insight into legume karyotypes, polyploid evolution and crop domestication
<i>Arachis hypogaea</i>		all o	Sequencing of Cultivated Peanut, <i>Arachis hypogaea</i> , Yields Insights into Genome Evolution and Oil Improvement
<i>Brassica napus</i>		all o	Eight high-quality genomes reveal pan-genome architecture and ecotype differentiation of <i>Brassica napus</i>

	= 4 x 2 n		
<i>Brassica napus</i>	= 4 x 2 n	all o	Early allopolyploid evolution in the post-Neolithic Brassica napus oilseed genome
<i>Brassica napus</i>	= 4 x 2 n	all o	The high-quality genome of Brassica napus cultivar 'ZS11' reveals the introgression history in semi-winter morphotype
<i>Brassica juncea</i>	= 4 x 2 n	all o	A chromosome-scale assembly of allotetraploid Brassica juncea (AABB) elucidates comparative architecture of the A and B genomes
<i>Brassica juncea</i>	= 4 x 2 n	all o	Genome structural evolution in Brassica crops
<i>Brassica carinata</i>	= 4 x 2 n	all o	The genome sequence of allopolyploid Brassica juncea and analysis of differential homoeolog gene expression influencing selection
<i>Brassica carinata</i>	= 4 x 2 n	all o	Genomic insights into the origin, domestication and diversification of Brassica juncea
<i>Brassica carinata</i>	= 4 x 2 n	all o	Genome structural evolution in Brassica crops
<i>Chenopodium quinoa</i>	= 4 x 2 n	all o	The genome of Chenopodium quinoa
<i>Chenopodium quinoa</i>	= 4 x 2 n	all o	A high-quality genome assembly of quinoa provides insights into the molecular basis of salt bladder-based salinity tolerance and the exceptional nutritional value
<i>Chenopodium quinoa</i>	= 4 x 2 n	all o	A chromosome-scale assembly of the quinoa genome provides insights into the structure and dynamics of its subgenomes
<i>Artemisia argyi</i>	= 2 n	all o	A chromosome-scale genome assembly of Artemisia argyi reveals unbiased subgenome evolution and key contributions of gene duplication to volatile terpenoid

	4 x 2 n =		diversity
<i>Artemisia argyi</i>	4 x	all o	Genome sequencing reveals chromosome fusion and extensive expansion of genes related to secondary metabolism in <i>Artemisia argyi</i>
<i>Panicum miliaceum</i>	2 n =		
	4 x	all o	Pangenome analysis reveals genomic variations associated with domestication traits in broomcorn millet
<i>Panicum virgatum</i>	2 n =		
	4 x	all o	Genomic mechanisms of climate adaptation in polyploid bioenergy switchgrass
<i>Sesamum radiatum</i>	2 n =		
	4 x	all o	Genomic evolution and insights into agronomic trait innovations of <i>Sesamum</i> species
<i>Papaver setigerum</i>	2 n =		
	4 x	all o	Three chromosome-scale <i>Papaver</i> genomes reveal punctuated patchwork evolution of the morphinan and noscapine biosynthesis pathway
<i>Aradopsis suecia</i>	2 n =		
	4 x	all o	Gradual evolution of allopolyploidy in <i>Aradopsis suecica</i>
<i>Aradopsis suecia</i>	2 n =		
	4 x	all o	Concerted genomic and epigenomic changes accompany stabilization of <i>Aradopsis</i> allopolyploids
<i>Dendrocalamus latiflorus</i>	2 n =		
	6 x	all o	Allele-aware chromosome-scale assembly of the allopolyploid genome of hexaploid Ma bamboo (<i>Dendrocalamus latiflorus</i> Munro)
<i>Rorippa aquatica</i>	2 n =		
	4 x	all o	<i>Chromosome-level genome assembly of Rorippa aquatica revealed its allotetraploid origin and mechanisms of heterophylly upon submergence</i>
<i>Oryza alta</i>	2 n =		
	4 x	all o	A route to de novo domestication of wild allotetraploid rice
<i>Musa acuminata</i>	2 n =		
	3	all o	Origin and evolution of the triploid cultivated banana genome

<i>Musa acuminata</i>	x 2 n = 3 x	all o	Telomere-to-telomere haplotype-resolved reference genome reveals subgenome divergence and disease resistance in triploid Cavendish banana
<i>Musa acuminata</i> x <i>balbisiana</i>	2 n = 3 x 2 n = 4 x	all o	Two haplotype-resolved genome assemblies for AAB allotriploid bananas provide insights into banana subgenome asymmetric evolution and Fusarium wilt control
<i>Eragrostis tef</i>	4 x	all o	Exceptional subgenome stability and functional divergence in the allotetraploid Ethiopian cereal teff
<i>Brachypodium hybridum</i>	2 n = 4 x 2 n = 4 x	all o	Gradual polyploid genome evolution revealed by pan-genomic analysis of <i>Brachypodium hybridum</i> and its diploid progenitors
<i>Brachypodium hybridum</i>	4 x	all o	Subgenomic Stability of Progenitor Genomes During Repeated Allotetraploid Origins of the Same Grass <i>Brachypodium hybridum</i>
<i>Coffea arabica</i>	2 n = 4 x 2 n = 4 x	all o	A chromosome-scale assembly reveals chromosomal aberrations and exchanges generating genetic diversity in <i>Coffea arabica</i> germplasm
<i>Poa annua</i>	4 x	all o	Chromosome-Scale Genome Assembly and Annotation of Allotetraploid Annual Bluegrass (<i>Poa annua</i> L.)
<i>Nicotiana benthamiana</i>	2 n = 4 x 2 n = 4 x	all o	A multi-omic <i>Nicotiana benthamiana</i> resource for fundamental research and biotechnology
<i>Nicotiana benthamiana</i>	4 x	all o	High-quality assembled and annotated genomes of <i>Nicotiana tabacum</i> and <i>Nicotiana benthamiana</i> reveal chromosome evolution and changes in defense arsenals
<i>Nicotiana tabacum</i>	2 n = 4 x 2 n = 4 x	all o	High-quality assembled and annotated genomes of <i>Nicotiana tabacum</i> and <i>Nicotiana benthamiana</i> reveal chromosome evolution and changes in defense arsenals
<i>Capsella bursa-pastoris</i>	4 x	all o	Origin and diversity of <i>Capsella bursa-pastoris</i> from the genomic point of view

<i>Fragaria</i> × <i>ananassa</i>	2 n = 8 x 2 n = 8 x	all o	Origin and evolution of the octoploid strawberry genome
<i>Fragaria</i> × <i>ananassa</i>	2 n = 8 x	all o	Haplotype-resolved genomes of wild octoploid progenitors illuminate genomic diversifications from wild relatives to cultivated strawberry
<i>Leptochloa chinensis</i>	2 n = 4 x	all o	Genomic insights into the origin, adaptive evolution, and herbicide resistance of <i>Leptochloa chinensis</i> , a devastating tetraploid weedy grass in rice fields
<i>Echinochloa crus-galli</i>	2 n = 6 x 2 n = 6 x 2 n = 4 x	all o	Genomic insights into the evolution of <i>Echinochloa</i> species as weed and orphan crop
<i>Echinochloa colona</i>	2 n = 6 x 2 n = 4 x	all o	Genomic insights into the evolution of <i>Echinochloa</i> species as weed and orphan crop
<i>Echinochloa oryzicola</i>	2 n = 4 x	all o	Genomic insights into the evolution of <i>Echinochloa</i> species as weed and orphan crop
<i>Perilla frutescens</i>	2 n = 4 x 2 n = 4 x 2 n = 8 x 2 n = 4 x 2 n = 4 x	all o	Incipient diploidization of the medicinal plant <i>Perilla</i> within 10,000 years
<i>Pogostemon cablin</i>	2 n = 4 x 2 n = 8 x 2 n = 4 x 2 n = 4 x	all o	Chromosome-level and haplotype-resolved genome provides insight into the tetraploid hybrid origin of patchouli
<i>Cardamine occulta</i>	2 n = 4 x 2 n = 4 x 2 n = 4 x	all o	Common evolutionary trajectory of short life-cycle in Brassicaceae ruderal weeds
<i>Armoracia rusticana</i>	2 n = 4 x 2 n = 4 x 2 n = 4 x	all o	The allotetraploid horseradish genome provides insights into subgenome diversification and formation of critical traits
<i>Sesbania cannabina</i>	2 n = 4 x 2 n = 4 x	all o	Telomere-to-telomere genome of the allotetraploid legume <i>Sesbania cannabina</i> reveals transposon-driven subgenome divergence and mechanisms of alkaline stress tolerance
<i>Orinus kokonorica</i>	2	all	A genome assembly for <i>Orinus kokonorica</i> provides

	$n = 4 \times 2$	o	insights into the origin, adaptive evolution and further diversification of two closely related grass genera
<i>Dendrocalamus brandisii</i>	$n = 6 \times 2$	all o	Chromosomal-level genome and metabolome analyses of highly heterozygous allohexaploid <i>Dendrocalamus brandisii</i> elucidate shoot quality and developmental characteristics
<i>Nepenthes gracilis</i>	$n = 10 \times 2$	all o	Subgenome dominance shapes novel gene evolution in the decaploid pitcher plant <i>Nepenthes gracilis</i>
<i>Tubocapsicum anomalum</i>	$n = 6 \times 2$	all o	Phylogenomic discovery of deleterious mutations facilitates hybrid potato breeding
<i>Miscanthus sinensis</i>	$n = 4 \times 2$	all o	Genome biology of the paleotetraploid perennial biomass crop <i>Miscanthus</i>
<i>Miscanthus lutarioriparius</i>	$n = 4 \times 2$	all o	Chromosome-scale assembly and analysis of biomass crop <i>Miscanthus lutarioriparius</i> genome
<i>Huperzia asiatica</i>	$n = 4 \times 2$	all o	Extraordinary preservation of gene collinearity over three hundred million years revealed in homosporous lycophytes
<i>Cynodon dactylon</i>	$n = 4 \times 2$	all o	A High-Quality Haplotype-Resolved Genome of Common Bermudagrass (<i>Cynodon dactylon</i> L.) Provides Insights Into Polyploid Genome Stability and Prostrate Growth
<i>Populus × tomentosa</i>	$n = 3 \times 2$	all o	PtoNF-YC9-SRMT-PtoRD26 module regulates the high saline tolerance of a triploid poplar
<i>Populus alba</i>	$n = 3 \times 2$	all o	Chromosome-level genome assembly of a triploid poplar <i>Populus alba</i> 'Berolinensis'
<i>Zanthoxylum bungeanum</i>	$n = 4 \times 2$	all o	The complex genome and adaptive evolution of polyploid Chinese pepper (<i>Zanthoxylum armatum</i> and <i>Zanthoxylum bungeanum</i>)
<i>Zanthoxylum bungeanum</i>	$n = 2$	all o	<i>Zanthoxylum</i> -specific whole genome duplication and recent activity of transposable elements in the highly repetitive paleotetraploid <i>Z. bungeanum</i> genome

	4		
	x		
	2		
	n		
	=		
<i>Ampelocalamus luodianensis</i>	4	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Hsuehochloa calcarea</i>	4	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Phyllostachys edulis</i>	4	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Otatea glauca</i>	4	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Guadua angustifolia</i>	4	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Rhipidocladum racemiflorum</i>	4	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Melocanna baccifera</i>	6	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Bonia amplexicaulis</i>	6	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Dendrocalamus sinicus</i>	6	all	Genome assemblies of 11 bamboo species highlight diversification induced by dynamic subgenome dominance
	x	o	
	2		
	n		
	=		
<i>Houttuynia cordata</i>	1	all	A Genome Assembly of decaploid <i>Houttuynia cordata</i> Provides Insights into the evolution of <i>Houttuynia</i> and the biosynthesis of alkaloids
	0	o	
	x		
	3		
	n	all	Haplotype-resolved nonaploid genome provides insights into <i>in vitro</i> flowering in bamboo
<i>Bambusa odashimae</i>	=	o	

<i>Eleusine coracana</i>	9 x 2 n = 6 x	all o	Genome analyses reveal population structure and a purple stigma color gene candidate in finger millet
<i>Phyllanthus emblica</i>	2 n = 8 x 2 n = 8 x	all o	Haplotype-resolved genomes of octoploid species in Phyllanthaceae family reveal a critical role for polyploidization and hybridization in speciation
<i>Sauropus spatulifolius</i>	8 x	all o	Haplotype-resolved genomes of octoploid species in Phyllanthaceae family reveal a critical role for polyploidization and hybridization in speciation
Note: the same color represents either the same species or different species from the same article			