

Summary information for samples with multiple genotypes

Dated bird ID	Genotypes per bird	Sample ID	Genotypes per sample	Minimum MAF cutoff (%)	Cortex_var mixed sites > minimum MAF cutoff
<i>M. avium</i>					
20090702	2	myc21	2	20	3,077
<i>M. genavense</i>					
20140514	2	myc68	2	6	34
20020211	3	myc71	3	6	84
20080710	2	myc91	2	6	73
20040627	2	myc105	2	6	61
20150528	4	myc106	3	6	52
		myc113	2	6	25
19960821	3	myc107	3	6	77
20120628	3	myc110	1		
		myc119	2	6	51
20040228	2	myc115	2	6	65
20070926	2	myc117	2	6	53
20150613	2	myc125	2	6	53
20150915	2	myc127	2	6	18

GATK mixed sites > minimum MAF cutoff	GATK second MAF cutoff (%)	GATK mixed sites > second MAF cutoff	GATK third MAF cutoff (%)	GATK mixed sites > third MAF cutoff	GATK sites adjusted	GATK sites with outliers removed
6,832						
59						
102	16	38				
85						
76						
62	37	17			2	2
25						
85	17	61	28	43		
59						
78						
63						
62						
20						

Cortex_var run

GATK run

14samples.notMAA+6fastas+MAV.104

56samples-3dups

47samples-8dups+fasta+M.genavense

58samples-myc97-128-8dups

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48samples-8dups+fasta+M.genavense

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myc21	Position	Minor	Minor	Inclusive	Cumulative	Frequency
Genotype	relative to	allele	allele fre-	maximum	distribution	distribution
	MAV.104	relative to	quency (%)	of bin (%)		
		MAV.104				
myc21.2	4233320	var	20.00	6	0	0
myc21.2	2944283	ref	20.09	8	0	0
myc21.2	2358431	var	20.59	10	0	0
myc21.2	2199593	var	20.61	12	0	0
myc21.2	4937740	var	21.13	14	0	0
myc21.2	5147370	var	21.48	16	0	0
myc21.2	3013346	var	21.55	18	0	0
myc21.2	1351255	ref	21.66	20	1	1
myc21.2	3967715	var	21.74	22	10	9
myc21.2	325594	ref	21.98	24	31	21
myc21.2	4644507	var	22.08	26	65	34
myc21.2	78701	var	22.14	28	122	57
myc21.2	2723756	var	22.19	30	241	119
myc21.2	4732221	var	22.22	32	448	207
myc21.2	3274258	ref	22.35	34	781	333
myc21.2	896869	var	22.55	36	1,366	585
myc21.2	1076969	var	22.58	38	2,134	768
myc21.2	3973001	var	22.62	40	3,047	913
myc21.2	4503303	var	22.82	42	3,976	929
myc21.2	886061	var	22.86	44	4,811	835
myc21.2	233087	var	22.88	46	5,590	779
myc21.2	2273745	var	23.08	48	6,253	663
myc21.2	4553015	var	23.13	50	6,832	579
myc21.2	2286761	ref	23.19			
myc21.2	627226	ref	23.58			
myc21.2	834878	var	23.60			
myc21.2	3895052	ref	23.68			
myc21.2	3651959	ref	23.73			
myc21.2	226574	var	23.91			
myc21.2	2871893	var	23.91			
myc21.2	893596	var	23.96			
myc21.2	222758	var	24.09			
myc21.2	3465119	var	24.10			
myc21.2	14179	var	24.18			
myc21.2	4742116	ref	24.23			

myc21.2	2306034	var	24.39
myc21.2	5112297	var	24.48
myc21.2	2913002	var	24.55
myc21.2	382396	ref	24.58
myc21.2	3870188	ref	24.66
myc21.2	1336824	ref	24.71
myc21.2	5057101	var	24.73
myc21.2	1585579	var	24.93
myc21.2	436596	var	25.00
myc21.2	875819	var	25.00
myc21.2	1971532	ref	25.00
myc21.2	2274232	var	25.00
myc21.2	3209552	var	25.09
myc21.2	4719302	var	25.21
myc21.2	2950877	var	25.29
myc21.2	4553812	var	25.35
myc21.2	3109012	var	25.36
myc21.2	2336698	var	25.42
myc21.2	4761689	ref	25.44
myc21.2	3360856	var	25.52
myc21.2	4730504	var	25.56
myc21.2	3781466	var	25.59
myc21.2	2289009	var	25.71
myc21.2	3657401	var	25.74
myc21.2	5099064	var	25.81
myc21.2	1731489	ref	25.83
myc21.2	5377376	var	25.83
myc21.2	2949188	var	25.87
myc21.2	5116121	var	25.89
myc21.2	112442	var	25.95
myc21.2	4806696	var	26.03
myc21.2	5397368	var	26.05
myc21.2	886356	var	26.10
myc21.2	2379480	var	26.14
myc21.2	2812955	ref	26.25
myc21.2	1336857	ref	26.32
myc21.2	1236413	var	26.37
myc21.2	1055737	ref	26.38
myc21.2	4644474	var	26.42
myc21.2	19570	var	26.43

myc21.2	1136046	var	26.67
myc21.2	1696756	var	26.67
myc21.2	3571334	var	26.70
myc21.2	2516720	ref	26.74
myc21.2	3971243	ref	26.76
myc21.2	210226	var	26.81
myc21.2	3653735	ref	26.83
myc21.2	2371487	var	26.86
myc21.2	1050165	ref	26.89
myc21.2	3464167	var	26.89
myc21.2	14113	var	26.92
myc21.2	589838	var	26.98
myc21.2	2469105	var	27.00
myc21.2	2287623	var	27.01
myc21.2	1777634	ref	27.06
myc21.2	874909	var	27.08
myc21.2	2723616	var	27.11
myc21.2	2915112	ref	27.14
myc21.2	2470318	var	27.15
myc21.2	4808103	var	27.2
myc21.2	2516980	ref	27.21
myc21.2	4199842	var	27.23
myc21.2	2371337	var	27.27
myc21.2	4000351	var	27.32
myc21.2	2476305	var	27.40
myc21.2	4521606	var	27.41
myc21.2	1240238	ref	27.45
myc21.2	5316400	var	27.5
myc21.2	2020980	var	27.59
myc21.2	2515621	ref	27.59
myc21.2	3704048	var	27.63
myc21.2	3319438	var	27.64
myc21.2	4806646	var	27.65
myc21.2	413390	var	27.69
myc21.2	2959912	var	27.69
myc21.2	416923	ref	27.75
myc21.2	1796091	ref	27.80
myc21.2	3003412	ref	27.81
myc21.2	3475942	ref	27.81
myc21.2	462174	var	27.83

myc21.2	2457456	var	27.86
myc21.2	1135804	var	27.87
myc21.2	1339219	ref	27.91
myc21.2	585450	var	27.95
myc21.2	5055810	var	27.97
myc21.2	386071	var	27.98
myc21.2	2757701	ref	28.00
myc21.2	1077373	var	28.02
myc21.2	3037109	var	28.03
myc21.2	174960	var	28.05
myc21.2	1081730	var	28.09
myc21.2	2538015	var	28.12
myc21.2	2320830	var	28.13
myc21.2	420925	ref	28.17
myc21.2	1131945	var	28.19
myc21.2	2900722	var	28.26
myc21.2	2978553	var	28.26
myc21.2	3440006	ref	28.28
myc21.2	2740609	var	28.30
myc21.2	2985546	ref	28.31
myc21.2	710514	var	28.37
myc21.2	3901358	ref	28.40
myc21.2	4169040	ref	28.40
myc21.2	809737	ref	28.42
myc21.2	4320502	var	28.43
myc21.2	819211	ref	28.44
myc21.2	2985585	ref	28.44
myc21.2	1464035	ref	28.45
myc21.2	514467	ref	28.46
myc21.2	3663502	var	28.50
myc21.2	2471139	var	28.57
myc21.2	3358095	var	28.57
myc21.2	3531728	ref	28.57
myc21.2	4503118	var	28.62
myc21.2	3276793	ref	28.63
myc21.2	699216	var	28.64
myc21.2	3045902	var	28.64
myc21.2	2429420	var	28.65
myc21.2	3864533	ref	28.66
myc21.2	3029821	ref	28.69

myc21.2	3973361	var	28.70
myc21.2	4695195	var	28.70
myc21.2	1683977	ref	28.76
myc21.2	2512050	var	28.82
myc21.2	4630384	var	28.82
myc21.2	3055672	var	28.83
myc21.2	4637681	var	28.83
myc21.2	2879646	var	28.85
myc21.2	4512137	var	28.89
myc21.2	2915199	var	28.90
myc21.2	4407452	var	28.90
myc21.2	4849794	var	28.9
myc21.2	5027051	var	28.92
myc21.2	3875423	ref	28.93
myc21.2	420886	ref	28.95
myc21.2	4963099	var	28.96
myc21.2	361576	var	28.97
myc21.2	2251931	var	28.97
myc21.2	3862219	var	28.97
myc21.2	4483419	ref	28.99
myc21.2	4329029	var	29.01
myc21.2	2448551	var	29.03
myc21.2	5345264	var	29.03
myc21.2	4115244	ref	29.05
myc21.2	4243217	var	29.09
myc21.2	221203	var	29.10
myc21.2	2346945	var	29.10
myc21.2	826241	var	29.13
myc21.2	1246008	var	29.13
myc21.2	4667286	var	29.13
myc21.2	4548148	var	29.14
myc21.2	4532217	var	29.17
myc21.2	1698932	var	29.19
myc21.2	100067	ref	29.28
myc21.2	712615	var	29.29
myc21.2	1353014	ref	29.29
myc21.2	387259	var	29.31
myc21.2	1698671	var	29.31
myc21.2	170835	var	29.32
myc21.2	2852666	var	29.32

myc21.2	2323725	var	29.33
myc21.2	2955254	var	29.35
myc21.2	2245589	var	29.36
myc21.2	3051325	var	29.38
myc21.2	217874	var	29.41
myc21.2	2445467	ref	29.41
myc21.2	221525	var	29.44
myc21.2	3741229	var	29.46
myc21.2	2893872	var	29.50
myc21.2	2410401	var	29.53
myc21.2	3691978	var	29.54
myc21.2	2247915	var	29.60
myc21.2	4606982	var	29.60
myc21.2	4756762	ref	29.61
myc21.2	2380818	var	29.65
myc21.2	2470357	var	29.65
myc21.2	1739675	var	29.68
myc21.2	2916212	var	29.69
myc21.2	2974564	var	29.69
myc21.2	3068754	var	29.69
myc21.2	2935382	ref	29.71
myc21.2	3428672	ref	29.73
myc21.2	225884	var	29.74
myc21.2	4317623	var	29.74
myc21.2	3280142	ref	29.75
myc21.2	497176	ref	29.76
myc21.2	4920228	var	29.76
myc21.2	804924	ref	29.78
myc21.2	2876797	var	29.78
myc21.2	2855819	ref	29.79
myc21.2	4292957	var	29.80
myc21.2	693097	var	29.82
myc21.2	875119	var	29.82
myc21.2	571912	var	29.84
myc21.2	2754128	var	29.84
myc21.2	3418700	var	29.85
myc21.2	3745986	var	29.85
myc21.2	824063	var	29.87
myc21.2	499657	var	29.89
myc21.2	4574780	var	29.91

myc21.2	663649	var	29.92
myc21.2	3693810	var	29.96
myc21.2	2862943	var	29.97
myc21.2	801545	var	30.00
myc21.2	4328711	var	30.00
myc21.2	4462658	ref	30.00
myc21.2	1057698	var	30.05
myc21.2	3040701	var	30.05
myc21.2	3898308	ref	30.05
myc21.2	5346515	var	30.07
myc21.2	2999671	ref	30.08
myc21.2	3205522	var	30.09
myc21.2	357746	var	30.11
myc21.2	1795626	ref	30.11
myc21.2	5110188	var	30.11
myc21.2	1767642	var	30.15
myc21.2	348273	var	30.16
myc21.2	3480686	ref	30.17
myc21.2	3169666	ref	30.22
myc21.2	2914874	var	30.25
myc21.2	3235016	var	30.25
myc21.2	815258	ref	30.26
myc21.2	4943156	var	30.27
myc21.2	2893935	var	30.29
myc21.2	2913095	var	30.29
myc21.2	4329224	var	30.29
myc21.2	1075107	ref	30.31
myc21.2	1657974	var	30.31
myc21.2	3475977	ref	30.32
myc21.2	2370338	var	30.34
myc21.2	4984561	var	30.34
myc21.2	436494	var	30.35
myc21.2	4529143	ref	30.37
myc21.2	4965051	var	30.37
myc21.2	1266763	var	30.38
myc21.2	1701370	ref	30.38
myc21.2	3052294	var	30.39
myc21.2	4984271	var	30.39
myc21.2	32906	ref	30.40
myc21.2	5301162	ref	30.41

myc21.2	3770403	ref	30.43
myc21.2	4574404	var	30.45
myc21.2	4639265	var	30.45
myc21.2	3650637	var	30.46
myc21.2	4642448	ref	30.46
myc21.2	3186471	ref	30.47
myc21.2	2529372	ref	30.48
myc21.2	4925134	var	30.5
myc21.2	847522	var	30.52
myc21.2	1320884	ref	30.53
myc21.2	4326122	var	30.53
myc21.2	1169021	var	30.56
myc21.2	3437164	ref	30.57
myc21.2	3578217	ref	30.57
myc21.2	2082293	var	30.59
myc21.2	3071819	var	30.60
myc21.2	1701262	var	30.62
myc21.2	4630426	var	30.62
myc21.2	1694994	ref	30.64
myc21.2	3235505	var	30.65
myc21.2	3533394	ref	30.65
myc21.2	5081743	ref	30.65
myc21.2	5137903	ref	30.65
myc21.2	3130551	var	30.67
myc21.2	3534147	ref	30.69
myc21.2	5327522	ref	30.69
myc21.2	2993417	ref	30.70
myc21.2	3864398	var	30.71
myc21.2	4607021	var	30.71
myc21.2	4649150	var	30.71
myc21.2	210784	var	30.72
myc21.2	380658	var	30.72
myc21.2	3630120	ref	30.73
myc21.2	4784010	var	30.73
myc21.2	93240	ref	30.74
myc21.2	2279625	var	30.75
myc21.2	573045	var	30.77
myc21.2	2317572	var	30.77
myc21.2	2520590	ref	30.77
myc21.2	3277716	ref	30.77

myc21.2	3520449	ref	30.77
myc21.2	3842921	var	30.77
myc21.2	4726220	var	30.77
myc21.2	1691125	var	30.80
myc21.2	1768085	ref	30.83
myc21.2	2820354	ref	30.83
myc21.2	4196581	var	30.84
myc21.2	5054333	var	30.84
myc21.2	1349982	ref	30.86
myc21.2	335181	ref	30.87
myc21.2	4649071	var	30.87
myc21.2	2126064	var	30.88
myc21.2	3586058	ref	30.88
myc21.2	3234977	var	30.89
myc21.2	4906167	var	30.9
myc21.2	2077222	ref	30.91
myc21.2	678192	var	30.94
myc21.2	2422929	var	30.94
myc21.2	2549356	var	30.94
myc21.2	2915445	var	30.96
myc21.2	512245	var	30.99
myc21.2	5146742	var	31.01
myc21.2	2490989	var	31.03
myc21.2	3667577	var	31.03
myc21.2	4723319	var	31.06
myc21.2	1672839	var	31.10
myc21.2	2977383	var	31.11
myc21.2	4745035	ref	31.11
myc21.2	581517	var	31.12
myc21.2	1265742	var	31.12
myc21.2	4521285	var	31.17
myc21.2	939535	var	31.18
myc21.2	3970633	var	31.18
myc21.2	5305040	var	31.19
myc21.2	196607	var	31.20
myc21.2	171752	var	31.22
myc21.2	2832835	var	31.23
myc21.2	4619058	var	31.23
myc21.2	2969006	var	31.25
myc21.2	3202742	var	31.25

myc21.2	3851225	var	31.25
myc21.2	5377853	var	31.25
myc21.2	2529637	ref	31.27
myc21.2	1388600	ref	31.30
myc21.2	2082850	var	31.30
myc21.2	2102040	var	31.31
myc21.2	2372825	var	31.31
myc21.2	2540167	var	31.31
myc21.2	2549803	ref	31.31
myc21.2	5074317	var	31.32
myc21.2	1583100	var	31.33
myc21.2	2272340	var	31.33
myc21.2	3649365	var	31.33
myc21.2	2275199	ref	31.36
myc21.2	459361	var	31.37
myc21.2	2915478	var	31.37
myc21.2	3643030	var	31.40
myc21.2	5138453	ref	31.4
myc21.2	3861092	ref	31.41
myc21.2	4500721	var	31.42
myc21.2	3558608	var	31.43
myc21.2	4782992	var	31.43
myc21.2	3457453	var	31.44
myc21.2	841103	ref	31.45
myc21.2	2408009	var	31.48
myc21.2	517382	ref	31.52
myc21.2	1674554	var	31.52
myc21.2	2251137	ref	31.52
myc21.2	2437895	var	31.53
myc21.2	4604899	var	31.54
myc21.2	581253	var	31.56
myc21.2	5096924	var	31.56
myc21.2	2103887	var	31.58
myc21.2	2136130	var	31.58
myc21.2	3747475	var	31.58
myc21.2	5291889	ref	31.58
myc21.2	233348	var	31.62
myc21.2	449921	var	31.65
myc21.2	5099135	var	31.67
myc21.2	2973627	var	31.68

myc21.2	4529676	var	31.68
myc21.2	2845484	var	31.70
myc21.2	1587230	var	31.71
myc21.2	2901211	ref	31.71
myc21.2	3500247	ref	31.71
myc21.2	4665663	var	31.71
myc21.2	2288877	var	31.72
myc21.2	5472580	var	31.72
myc21.2	4328372	ref	31.73
myc21.2	4515769	var	31.73
myc21.2	842048	var	31.74
myc21.2	4548022	var	31.74
myc21.2	2356876	var	31.75
myc21.2	4322170	var	31.75
myc21.2	344589	var	31.76
myc21.2	3046652	var	31.76
myc21.2	3433854	ref	31.76
myc21.2	862682	var	31.77
myc21.2	2410786	var	31.77
myc21.2	1339059	ref	31.78
myc21.2	4888774	ref	31.78
myc21.2	176414	var	31.79
myc21.2	3521289	ref	31.79
myc21.2	3910618	var	31.79
myc21.2	353961	var	31.80
myc21.2	2759948	ref	31.80
myc21.2	3866906	var	31.80
myc21.2	815193	ref	31.82
myc21.2	2541252	var	31.82
myc21.2	4704334	var	31.82
myc21.2	4717219	var	31.83
myc21.2	1329118	ref	31.84
myc21.2	2326999	var	31.84
myc21.2	4488634	ref	31.84
myc21.2	1385507	var	31.85
myc21.2	709911	var	31.86
myc21.2	2376588	var	31.86
myc21.2	4719562	var	31.86
myc21.2	4165877	ref	31.87
myc21.2	2745772	ref	31.89

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myc21.2	1767603	ref	34.68
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myc21.2	2518951	ref	34.71
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myc21.2	3434542	ref	34.75

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myc21.2	2241920	ref	36.17
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myc21.2	3971284	ref	37.44
myc21.2	5299336	ref	37.44
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myc21.2	1642227	ref	37.81
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myc21.2	1003485	var	39.68

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myc21.2	4453573	var	41.71
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myc21.2	5170669	ref	41.8
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myc21.2	2007016	ref	41.81

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myc21.2	5172133	ref	42
myc21.2	1199464	ref	42.01
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myc21.2	5437632	ref	42.05
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myc21.2	1732667	ref	42.11
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myc21.2	5467701	var	42.16
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myc21.2	3663715	var	42.20
myc21.2	381648	ref	42.21
myc21.2	428218	var	42.21
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myc21.2	854646	var	42.31
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myc21.2	4918468	var	42.36
myc21.2	4414940	var	42.37
myc21.2	401324	ref	42.38
myc21.2	702399	var	42.38
myc21.2	2881977	ref	42.38

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myc21.2	1012948	var	42.45
myc21.2	4195173	var	42.45
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myc21.2	5329918	ref	42.46
myc21.2	2354438	ref	42.47
myc21.2	2521382	ref	42.47
myc21.2	3492695	ref	42.47
myc21.2	4044273	ref	42.47
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myc21.2	4781964	var	42.47

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myc21.2	4104218	ref	42.48
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myc21.2	3770612	ref	42.49
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myc21.2	5162218	var	42.49
myc21.2	238177	var	42.50
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myc21.2	857844	var	42.50
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myc21.2	4467272	ref	42.51
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myc21.2	521322	var	42.54

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myc21.2	3630008	ref	42.56
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myc21.2	4510283	ref	42.57
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myc21.2	2307680	var	42.58
myc21.2	3306222	ref	42.58
myc21.2	4645155	ref	42.58
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myc21.2	857176	var	42.61
myc21.2	2547394	var	42.61
myc21.2	201565	var	42.62
myc21.2	2433458	var	42.62
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myc21.2	3017030	ref	42.62
myc21.2	3171794	ref	42.62
myc21.2	3608273	ref	42.62
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myc21.2	894151	var	42.63
myc21.2	3366054	ref	42.63
myc21.2	3770824	ref	42.63
myc21.2	4774909	ref	42.63
myc21.2	877900	var	42.64
myc21.2	1672509	ref	42.64
myc21.2	92153	ref	42.65
myc21.2	2084816	var	42.65

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myc21.2	2755382	ref	42.67
myc21.2	4169553	ref	42.67
myc21.2	4778302	var	42.67
myc21.2	689475	var	42.68
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myc21.2	3446725	ref	42.72
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myc21.2	508938	ref	42.77

myc21.2	572823	var	42.77
myc21.2	2354133	ref	42.77
myc21.2	2502819	var	42.77
myc21.2	582711	var	42.78
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myc21.2	2777546	ref	42.79
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myc21.2	3876543	ref	42.79
myc21.2	4415504	var	42.79
myc21.2	5098825	var	42.79
myc21.2	22010	ref	42.80
myc21.2	3497240	ref	42.80
myc21.2	4373490	var	42.80
myc21.2	4880426	ref	42.8
myc21.2	833574	ref	42.81
myc21.2	2996003	ref	42.81
myc21.2	3840247	var	42.81
myc21.2	3944788	var	42.81
myc21.2	4104250	ref	42.81
myc21.2	4443619	ref	42.81
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myc21.2	1464558	ref	42.82
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myc21.2	3808573	ref	42.82
myc21.2	5272685	ref	42.82
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myc21.2	387706	ref	42.86
myc21.2	521439	ref	42.86
myc21.2	556050	ref	42.86
myc21.2	695412	var	42.86

myc21.2	1346824	ref	42.86
myc21.2	1506318	ref	42.86
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myc21.2	1727360	ref	42.86
myc21.2	2106836	var	42.86
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myc21.2	5107748	var	42.86
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myc21.2	820273	var	42.91

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myc21.2	4092252	ref	42.99
myc21.2	4626260	ref	42.99

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myc21.2	1343685	ref	43.02
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myc21.2	931714	var	43.11
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myc21.2	1034963	ref	43.12
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myc21.2	1078848	var	43.14
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myc21.2	408614	var	43.16
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myc21.2	3901616	ref	43.16
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myc21.2	2079642	var	43.17
myc21.2	2939401	var	43.17
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myc21.2	3130993	var	43.18

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myc21.2	191447	var	43.21
myc21.2	223807	var	43.21
myc21.2	628182	ref	43.21
myc21.2	3054315	var	43.21
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myc21.2	2469770	var	43.28

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myc21.2	2543073	ref	43.31
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myc21.2	343653	var	43.37
myc21.2	1688844	ref	43.37

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myc21.2	5313145	var	43.38
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myc21.2	4633482	var	43.41
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myc21.2	1132584	var	43.48

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myc21.2	2355115	ref	43.54
myc21.2	2926732	ref	43.54
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myc21.2	2056333	var	43.58
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myc21.2	5308527	ref	43.58
myc21.2	438641	var	43.59
myc21.2	2319823	var	43.59
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myc21.2	3865649	ref	43.66

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myc21.2	5393478	var	43.66
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myc21.2	870326	var	43.67
myc21.2	4632726	var	43.67
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myc21.2	797592	var	43.69
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myc21.2	4408978	var	43.88

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myc21.2	2316366	var	43.92
myc21.2	4637360	var	43.92
myc21.2	367146	var	43.93
myc21.2	805733	ref	43.93
myc21.2	919461	var	43.93
myc21.2	2060982	ref	43.93
myc21.2	3169536	ref	43.93
myc21.2	5332676	ref	43.93
myc21.2	524386	ref	43.94
myc21.2	824681	var	43.94
myc21.2	2421944	var	43.94
myc21.2	2904965	var	43.94
myc21.2	3478688	ref	43.94
myc21.2	4525725	ref	43.94
myc21.2	5326328	var	43.94
myc21.2	111244	var	43.95
myc21.2	533683	ref	43.95
myc21.2	2863262	var	43.95
myc21.2	2932513	ref	43.95
myc21.2	3576024	ref	43.95
myc21.2	5332643	ref	43.95
myc21.2	25098	ref	43.96
myc21.2	2815545	ref	43.96
myc21.2	3367034	ref	43.96

myc21.2	3632242	ref	43.96
myc21.2	203663	var	43.97
myc21.2	402022	var	43.97
myc21.2	2912125	var	43.97
myc21.2	3742214	ref	43.97
myc21.2	3877477	var	43.97
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myc21.2	4824314	ref	43.97
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myc21.2	2930178	ref	43.98
myc21.2	3128893	ref	43.98
myc21.2	3232817	var	43.98
myc21.2	450109	var	43.99
myc21.2	3274998	ref	44.00
myc21.2	4302021	var	44.00
myc21.2	4754685	ref	44.00
myc21.2	564698	ref	44.02
myc21.2	839765	var	44.02
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myc21.2	1719722	var	44.03
myc21.2	1981387	ref	44.03
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myc21.2	3550104	var	44.04
myc21.2	3742609	var	44.04
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myc21.2	4776033	ref	44.04
myc21.2	26019	ref	44.05
myc21.2	711984	var	44.05
myc21.2	5455683	ref	44.05
myc21.2	506589	ref	44.06
myc21.2	2969602	var	44.06
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myc21.2	4401183	var	44.07
myc21.2	4701514	var	44.07
myc21.2	694857	var	44.08
myc21.2	4083402	ref	44.08
myc21.2	656490	ref	44.09

myc21.2	662755	ref	44.09
myc21.2	1778128	ref	44.09
myc21.2	3000364	ref	44.09
myc21.2	4284482	ref	44.09
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myc21.2	1559453	var	44.10
myc21.2	2854074	ref	44.10
myc21.2	455208	ref	44.12
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myc21.2	3693398	var	44.12
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myc21.2	4337430	ref	44.12
myc21.2	4854605	ref	44.12
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myc21.2	841982	ref	44.13
myc21.2	871797	var	44.13
myc21.2	978600	var	44.13
myc21.2	3536091	ref	44.13
myc21.2	3901151	ref	44.13
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myc21.2	1522506	var	44.14
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myc21.2	3625192	ref	44.14
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myc21.2	4799490	ref	44.14
myc21.2	4979648	var	44.14
myc21.2	5113843	var	44.14
myc21.2	4313286	ref	44.15
myc21.2	447249	var	44.16
myc21.2	897106	var	44.16
myc21.2	2117417	var	44.16
myc21.2	2175653	var	44.16
myc21.2	3877191	var	44.16
myc21.2	5460731	ref	44.16
myc21.2	3649935	var	44.17
myc21.2	4287327	ref	44.17
myc21.2	534565	ref	44.18

myc21.2	825435	ref	44.18
myc21.2	175706	var	44.19
myc21.2	535071	var	44.19
myc21.2	2326609	var	44.19
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myc21.2	4321545	var	44.19
myc21.2	4942619	var	44.19
myc21.2	5170389	ref	44.19
myc21.2	381609	ref	44.20
myc21.2	3897367	ref	44.20
myc21.2	4549193	var	44.20
myc21.2	3551426	var	44.21
myc21.2	3873262	ref	44.21
myc21.2	5309111	var	44.21
myc21.2	5468280	var	44.21
myc21.2	1011760	var	44.22
myc21.2	3546123	var	44.22
myc21.2	4889520	ref	44.22
myc21.2	297388	var	44.23
myc21.2	2247993	ref	44.23
myc21.2	3201701	var	44.23
myc21.2	4663252	var	44.24
myc21.2	2061348	ref	44.25
myc21.2	2284911	var	44.26
myc21.2	3621340	ref	44.26
myc21.2	3958496	ref	44.26
myc21.2	4033828	ref	44.26
myc21.2	4476753	ref	44.26
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myc21.2	4643247	ref	44.26
myc21.2	4801728	var	44.26
myc21.2	4834733	ref	44.26
myc21.2	458394	var	44.27
myc21.2	2465707	var	44.27
myc21.2	2879956	ref	44.27
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myc21.2	5080198	ref	44.27
myc21.2	5327699	ref	44.27
myc21.2	860590	ref	44.28

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myc21.2	2348089	var	44.29
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myc21.2	1117915	var	44.30
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myc21.2	3557402	var	44.30
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myc21.2	4323765	ref	44.30
myc21.2	4760247	ref	44.30
myc21.2	5461573	var	44.3
myc21.2	686907	var	44.31
myc21.2	3554272	var	44.31
myc21.2	1080475	var	44.32
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myc21.2	1647470	ref	44.32
myc21.2	4621511	ref	44.32
myc21.2	5325394	ref	44.32
myc21.2	213405	var	44.33
myc21.2	634368	var	44.33
myc21.2	830181	ref	44.33
myc21.2	3667232	var	44.33
myc21.2	3952495	ref	44.33
myc21.2	4724592	var	44.33
myc21.2	5079126	ref	44.33
myc21.2	1794170	ref	44.34
myc21.2	3479820	ref	44.34
myc21.2	3625003	var	44.34
myc21.2	44678	ref	44.35
myc21.2	577656	ref	44.35
myc21.2	1701694	ref	44.35
myc21.2	1975618	ref	44.35
myc21.2	2345103	var	44.35
myc21.2	1069453	ref	44.36
myc21.2	3621615	ref	44.36
myc21.2	3586376	ref	44.37

myc21.2	1797337	ref	44.38
myc21.2	713277	var	44.39
myc21.2	865619	var	44.39
myc21.2	2426916	ref	44.39
myc21.2	2469218	ref	44.39
myc21.2	4350575	var	44.39
myc21.2	4675861	var	44.39
myc21.2	4722101	var	44.39
myc21.2	249381	var	44.40
myc21.2	2146662	var	44.40
myc21.2	2522484	ref	44.40
myc21.2	3107768	var	44.40
myc21.2	19288	var	44.41
myc21.2	835058	var	44.41
myc21.2	889029	var	44.41
myc21.2	1344804	var	44.41
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myc21.2	2905844	ref	44.41
myc21.2	3633103	ref	44.41
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myc21.2	4237070	var	44.42
myc21.2	5163883	var	44.42
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myc21.2	132578	ref	44.44
myc21.2	219012	var	44.44
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myc21.2	1070808	var	44.44
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myc21.2	2084133	var	44.44
myc21.2	2125064	ref	44.44
myc21.2	2128236	ref	44.44
myc21.2	2242388	var	44.44
myc21.2	2243948	var	44.44
myc21.2	2531267	ref	44.44
myc21.2	2976586	var	44.44
myc21.2	3045749	var	44.44

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myc21.2	3422519	var	44.44
myc21.2	3663919	var	44.44
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myc21.2	4612709	ref	44.44
myc21.2	4796585	var	44.44
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myc21.2	5337131	ref	44.44
myc21.2	2814890	ref	44.47
myc21.2	22643	var	44.48
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myc21.2	2128954	var	44.48
myc21.2	2486256	var	44.48
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myc21.2	4622264	ref	44.48
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myc21.2	4434099	var	44.49
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myc21.2	345264	ref	44.52
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myc21.2	1969923	ref	44.52
myc21.2	2060211	var	44.52
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myc21.2	2879455	ref	44.52
myc21.2	4206380	var	44.52
myc21.2	940779	var	44.53
myc21.2	1679777	var	44.53
myc21.2	1319327	ref	44.54
myc21.2	4803708	var	44.54

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myc21.2	3710076	ref	44.55
myc21.2	444160	var	44.56
myc21.2	677127	var	44.56
myc21.2	3868619	ref	44.56
myc21.2	4801692	ref	44.56
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myc21.2	3364099	ref	44.57
myc21.2	3712086	ref	44.57
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myc21.2	23892	ref	44.58
myc21.2	703348	var	44.58
myc21.2	1039594	ref	44.58
myc21.2	2456982	var	44.58
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myc21.2	3549705	var	44.58
myc21.2	4945459	var	44.58
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myc21.2	813153	ref	44.59
myc21.2	1630161	var	44.59
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myc21.2	3586219	ref	44.59
myc21.2	3755552	ref	44.60
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myc21.2	2915918	ref	44.62
myc21.2	2966300	var	44.62
myc21.2	5295141	var	44.62
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myc21.2	408986	var	44.66
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myc21.2	4897933	var	44.66
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myc21.2	1130999	var	44.68
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myc21.2	5301357	ref	44.68
myc21.2	1730472	ref	44.69
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myc21.2	3632371	ref	44.70
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myc21.2	5465727	var	44.7
myc21.2	661492	ref	44.71
myc21.2	3185230	ref	44.71
myc21.2	3579473	ref	44.71
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myc21.2	5433449	ref	44.71
myc21.2	991258	var	44.72
myc21.2	2199203	var	44.72
myc21.2	2869778	ref	44.72
myc21.2	3350527	var	44.72
myc21.2	1013605	var	44.73
myc21.2	3391038	ref	44.74
myc21.2	3695911	var	44.74
myc21.2	4173208	ref	44.74
myc21.2	1343631	ref	44.75
myc21.2	3616385	ref	44.75
myc21.2	4858191	var	44.75
myc21.2	239409	var	44.76
myc21.2	1351785	ref	44.76

myc21.2	1790457	var	44.76
myc21.2	1799239	ref	44.76
myc21.2	4501360	var	44.76
myc21.2	1068765	ref	44.77
myc21.2	2096663	var	44.77
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myc21.2	587636	var	44.79
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myc21.2	4605696	var	44.79
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myc21.2	5313620	var	44.8
myc21.2	5427549	ref	44.8
myc21.2	212262	ref	44.81
myc21.2	576933	ref	44.81
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myc21.2	1630518	ref	44.81
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myc21.2	4799569	ref	44.82
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myc21.2	813113	var	44.83
myc21.2	895148	var	44.83
myc21.2	924716	ref	44.83
myc21.2	1057480	ref	44.83
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myc21.2	1631034	var	44.84
myc21.2	1719584	var	44.84
myc21.2	4301748	var	44.84
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myc21.2	5337846	ref	44.85
myc21.2	3736705	ref	44.86
myc21.2	4348799	ref	44.86

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myc21.2	5171601	ref	44.92
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myc21.2	1321687	ref	44.94
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myc21.2	4921327	var	44.94
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myc21.2	4899877	ref	44.97
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myc21.2	5113654	var	44.98

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myc21.2	1711680	ref	45.01
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myc21.2	633235	ref	45.02
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myc21.2	2372594	var	45.02
myc21.2	4317152	var	45.02
myc21.2	4437130	ref	45.02
myc21.2	889296	var	45.03
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myc21.2	1735374	ref	45.07
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myc21.2	2812231	ref	45.10

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myc21.2	1038297	ref	45.11
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myc21.2	3203356	ref	45.14
myc21.2	3809987	ref	45.14
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myc21.2	2073535	ref	45.15
myc21.2	2436290	var	45.15
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myc21.2	4502098	var	45.15
myc21.2	334338	ref	45.16
myc21.2	519896	var	45.16
myc21.2	661293	var	45.16
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myc21.2	2467804	var	45.19

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myc21.2	4542479	ref	45.20
myc21.2	5423303	ref	45.2
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myc21.2	885792	var	45.21
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myc21.2	1077795	var	47.47

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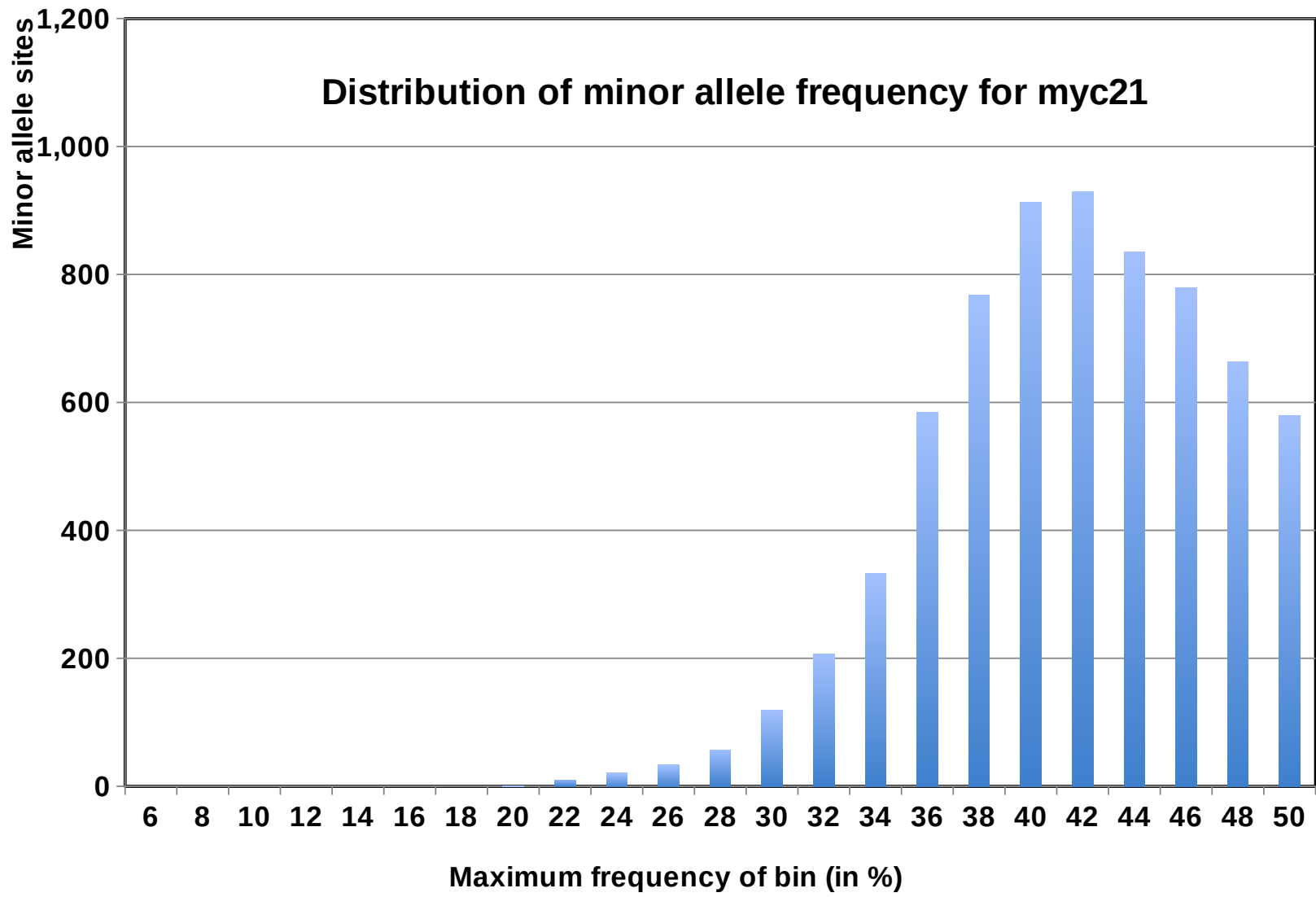
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myc21.2	578952	ref	49.55
myc21.2	4386670	var	49.55
myc21.2	3618026	var	49.56
myc21.2	3954329	var	49.56
myc21.2	4911819	var	49.56
myc21.2	3129514	ref	49.57
myc21.2	3184800	ref	49.57
myc21.2	3195791	var	49.57
myc21.2	2283602	var	49.58
myc21.2	3324041	ref	49.58
myc21.2	4461188	var	49.58
myc21.2	4925448	ref	49.58
myc21.2	3640287	ref	49.59

myc21.2	4212678	var	49.59
myc21.2	5063620	var	49.59
myc21.2	5158187	var	49.59
myc21.2	5391831	ref	49.59
myc21.2	1508270	ref	49.60
myc21.2	548131	ref	49.61
myc21.2	3631186	var	49.61
myc21.2	3636326	var	49.61
myc21.2	5068429	var	49.61
myc21.2	931227	var	49.62
myc21.2	1364586	var	49.62
myc21.2	1972872	ref	49.62
myc21.2	3761975	var	49.62
myc21.2	5323692	ref	49.62
myc21.2	2119228	var	49.65
myc21.2	2864736	var	49.65
myc21.2	2987647	var	49.65
myc21.2	5423505	var	49.65
myc21.2	705269	ref	49.66
myc21.2	1742673	var	49.66
myc21.2	1208353	ref	49.67
myc21.2	3617354	ref	49.67
myc21.2	3630251	ref	49.68
myc21.2	3753879	ref	49.68
myc21.2	4755216	var	49.68
myc21.2	5460556	var	49.68
myc21.2	702292	ref	49.69
myc21.2	4093053	var	49.69
myc21.2	678882	var	49.70
myc21.2	925457	var	49.70
myc21.2	5391708	var	49.7
myc21.2	374157	var	49.71
myc21.2	906476	var	49.71
myc21.2	2215942	var	49.71
myc21.2	4336861	var	49.71
myc21.2	4956759	var	49.71
myc21.2	2545110	ref	49.72
myc21.2	4494701	var	49.72
myc21.2	5461918	var	49.72
myc21.2	509510	ref	49.73

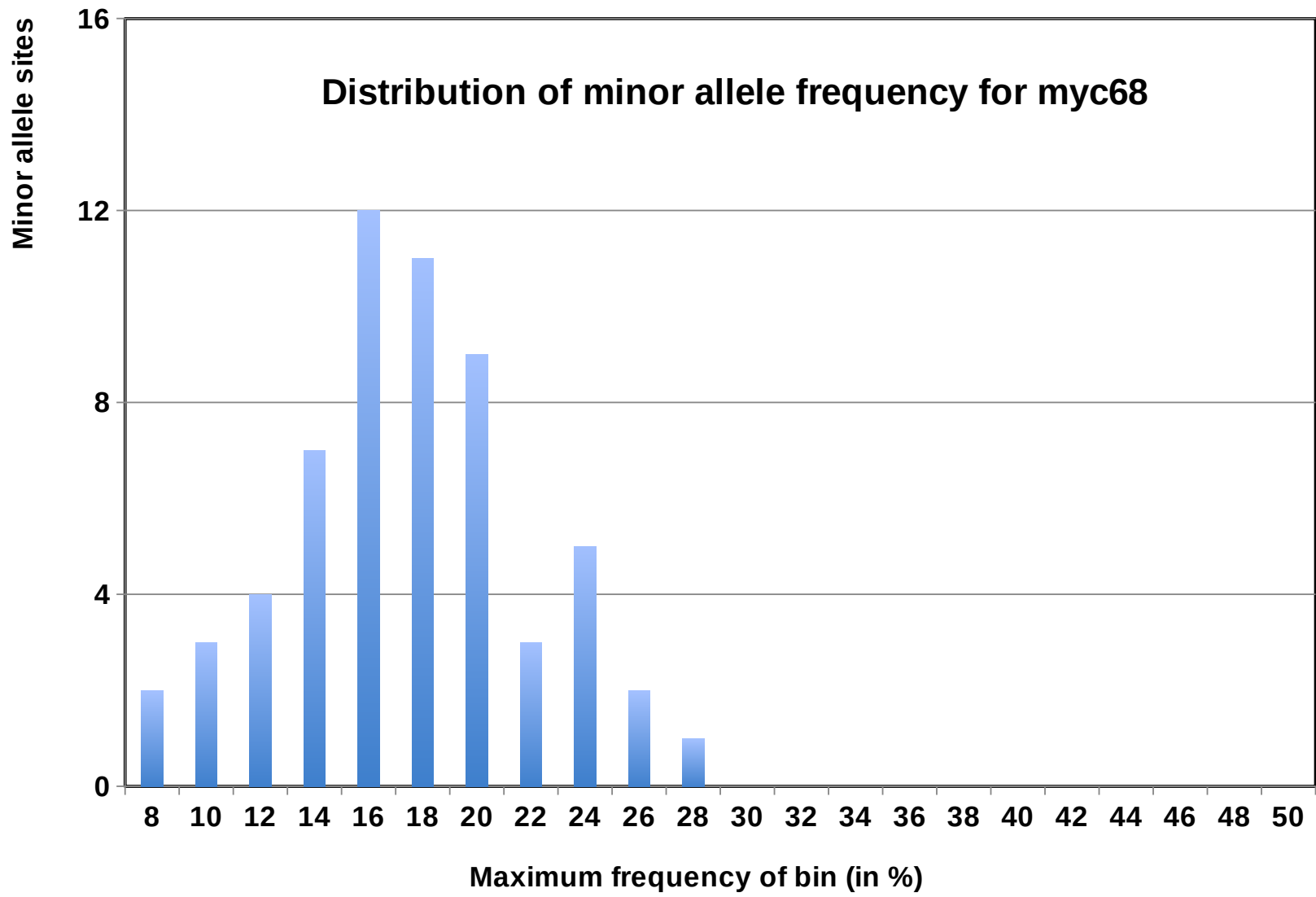
myc21.2	626579	var	49.73
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myc21.2	2177024	var	49.73
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myc21.2	5044393	ref	49.73
myc21.2	3627709	var	49.74
myc21.2	3628536	ref	49.74
myc21.2	4400108	ref	49.74
myc21.2	1626704	var	49.75
myc21.2	4311356	var	49.75
myc21.2	5462851	var	49.75
myc21.2	578575	var	49.76
myc21.2	4623927	var	49.76
myc21.2	1790379	var	49.77
myc21.2	3034435	ref	49.77
myc21.2	1211053	ref	49.78
myc21.2	2900414	ref	49.78
myc21.2	3648889	var	49.78
myc21.2	1211792	ref	49.79
myc21.2	2203271	var	49.79
myc21.2	1213350	var	49.80
myc21.2	2333962	ref	49.80
myc21.2	4663798	var	49.80
myc21.2	4799725	ref	49.8
myc21.2	5074776	var	49.8
myc21.2	1746620	ref	49.82
myc21.2	4732533	ref	49.82
myc21.2	4984943	ref	49.82
myc21.2	5334147	var	49.82
myc21.2	108850	ref	49.83
myc21.2	1730074	ref	49.83
myc21.2	2438806	ref	49.83
myc21.2	3773758	ref	49.83
myc21.2	5389115	var	49.83
myc21.2	2177493	var	49.84
myc21.2	2333530	var	49.84
myc21.2	3901072	ref	49.84
myc21.2	2177088	ref	49.85
myc21.2	3417683	ref	49.85
myc21.2	3622494	var	49.85

myc21.2	4620974	var	49.85
myc21.2	4750610	var	49.85
myc21.2	191606	ref	49.86
myc21.2	565976	var	49.86
myc21.2	1682027	ref	49.86
myc21.2	3966505	ref	49.86
myc21.2	534385	ref	49.87
myc21.2	2203221	var	49.87
myc21.2	3323642	ref	49.87
myc21.2	5451248	var	49.9
myc21.2	5466779	var	49.9
myc21.2	382003	var	50.00
myc21.2	930066	var	50.00
myc21.2	932327	var	50.00
myc21.2	1320413	var	50.00
myc21.2	1636320	var	50.00
myc21.2	1710953	var	50.00
myc21.2	2022659	var	50.00
myc21.2	2432995	var	50.00
myc21.2	2516428	var	50.00
myc21.2	2909560	var	50.00
myc21.2	2912679	var	50.00
myc21.2	3108444	var	50.00
myc21.2	3367644	var	50.00
myc21.2	3633145	var	50.00
myc21.2	3648611	var	50.00
myc21.2	3691024	var	50.00
myc21.2	3743851	var	50.00
myc21.2	4080373	var	50.00
myc21.2	4215174	var	50.00
myc21.2	4342076	var	50.00
myc21.2	4357116	var	50.00
myc21.2	4402803	var	50.00
myc21.2	4772710	var	50.00
myc21.2	4810167	var	50
myc21.2	5021180	var	50
myc21.2	5163310	var	50



myc68		Position	Minor	Minor	Inclusive
Genotype	Reference	relative to	allele	allele fre-	mimimum
	contig ID	reference	relative to	quency (%)	frequency
			reference		of bin (%)
myc68.2	JAGZ01000003.1	99513	ref	7.14	8
myc68.2	JAGZ01000008.1	129796	ref	7.48	10
myc68.2	JAGZ01000003.1	333019	ref	8.33	12
myc68.2	JAGZ01000010.1	151016	ref	8.49	14
myc68.2	JAGZ01000020.1	24905	ref	9.46	16
myc68.2	JAGZ01000014.1	12833	ref	10.42	18
myc68.2	JAGZ01000004.1	289184	ref	10.71	20
myc68.2	JAGZ01000003.1	275315	ref	11.83	22
myc68.2	JAGZ01000001.1	580	ref	12.00	24
myc68.2	JAGZ01000005.1	255695	ref	12.79	26
myc68.2	JAGZ01000012.1	67836	ref	13.00	28
myc68.2	JAGZ01000004.1	306156	ref	13.04	30
myc68.2	JAGZ01000019.1	33978	ref	13.08	32
myc68.2	JAGZ01000001.1	181502	ref	13.27	34
myc68.2	JAGZ01000004.1	228359	ref	13.58	36
myc68.2	JAGZ01000007.1	208066	ref	13.95	38
myc68.2	JAGZ01000013.1	27822	ref	14.02	40
myc68.2	JAGZ01000015.1	42171	ref	14.06	42
myc68.2	JAGZ01000003.1	401753	ref	14.66	44
myc68.2	JAGZ01000005.1	128138	ref	14.66	46
myc68.2	JAGZ01000005.1	266955	ref	14.75	48
myc68.2	JAGZ01000001.1	272785	ref	15.00	50
myc68.2	JAGZ01000002.1	493646	ref	15.15	
myc68.2	JAGZ01000019.1	44122	ref	15.38	
myc68.2	JAGZ01000006.1	68754	ref	15.46	
myc68.2	JAGZ01000004.1	246505	ref	15.56	
myc68.2	JAGZ01000021.1	658	ref	15.65	
myc68.2	JAGZ01000002.1	576008	ref	16.00	
myc68.2	JAGZ01000005.1	332598	ref	16.13	
myc68.2	JAGZ01000013.1	103665	ref	16.50	
myc68.2	JAGZ01000005.1	23126	ref	16.51	
myc68.2	JAGZ01000001.1	105104	ref	16.67	
myc68.2	JAGZ01000002.1	501423	ref	17.39	
myc68.2	JAGZ01000005.1	252568	ref	17.42	
myc68.2	JAGZ01000009.1	83078	ref	17.43	

myc68.2	JAGZ01000007.1	106949	ref	17.80
myc68.2	JAGZ01000013.1	43857	ref	17.89
myc68.2	JAGZ01000002.1	165686	ref	17.95
myc68.2	JAGZ01000003.1	117976	ref	17.95
myc68.2	JAGZ01000007.1	23792	ref	18.10
myc68.2	JAGZ01000004.1	233097	ref	18.52
myc68.2	JAGZ01000011.1	31505	ref	18.92
myc68.2	JAGZ01000012.1	78978	ref	19.09
myc68.2	JAGZ01000018.1	41279	ref	19.20
myc68.2	JAGZ01000003.1	465139	ref	19.23
myc68.2	JAGZ01000011.1	24586	ref	19.49
myc68.2	JAGZ01000003.1	170440	ref	20
myc68.2	JAGZ01000005.1	142239	ref	20.00
myc68.2	JAGZ01000003.1	401211	ref	20.51
myc68.2	JAGZ01000007.1	24618	ref	20.80
myc68.2	JAGZ01000001.1	847237	ref	21.43
myc68.2	JAGZ01000002.1	498521	ref	22.35
myc68.2	JAGZ01000003.1	537083	ref	22.45
myc68.2	JAGZ01000009.1	14214	ref	22.52
myc68.2	JAGZ01000015.1	27805	ref	22.95
myc68.2	JAGZ01000003.1	74830	ref	23.86
myc68.2	JAGZ01000001.1	105023	ref	25.00
myc68.2	JAGZ01000018.1	19855	ref	25.88
myc68.2	JAGZ01000004.1	341811	ref	26.73



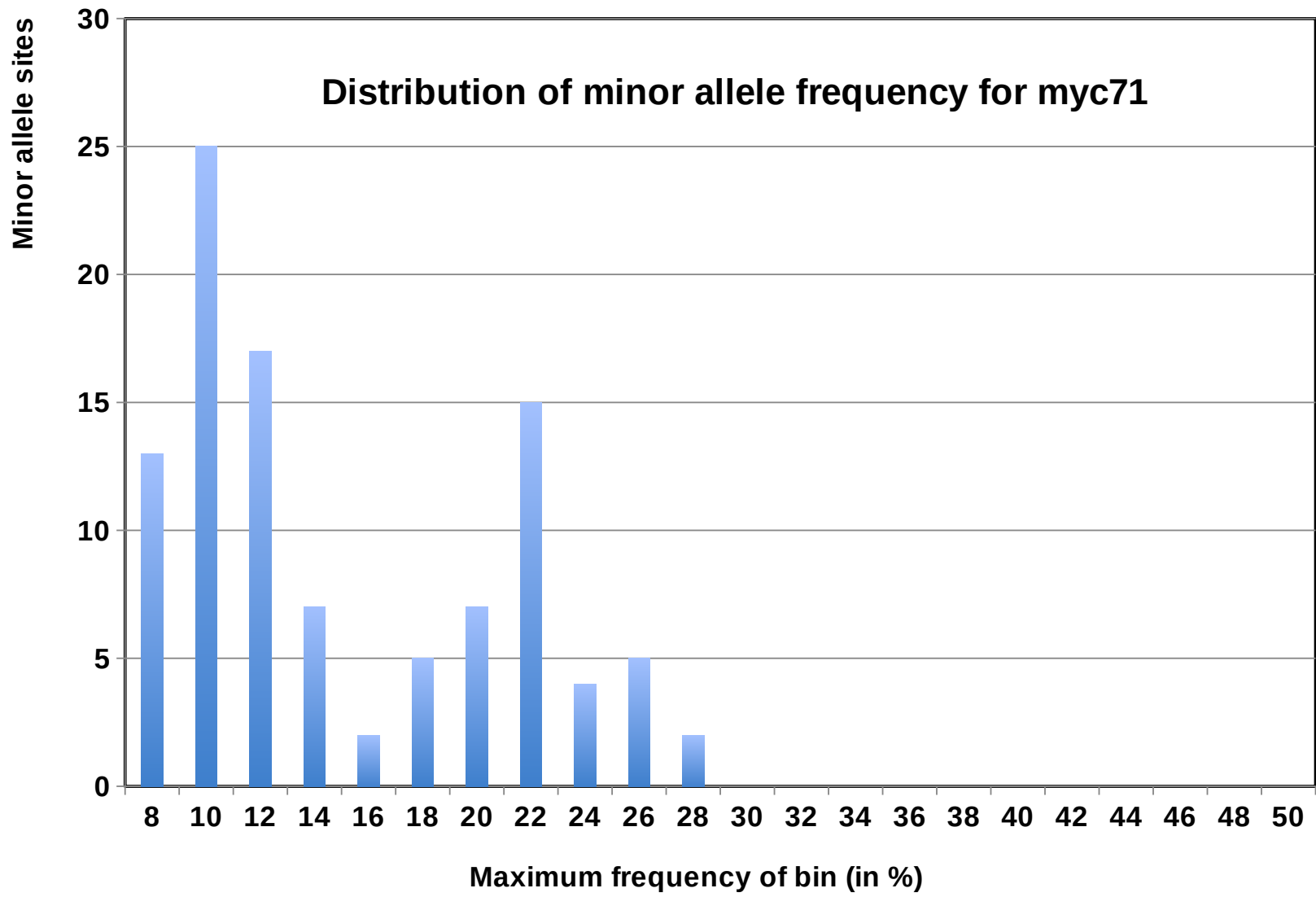
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Genotype	Extra genotype	Reference contig ID	Position relative to reference	allele relative to reference	Minor allele frequency (%)
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myc71.3		JAGZ01000001.1	713776	var	6.59
myc71.3		JAGZ01000015.1	30881	var	6.59
myc71.3		JAGZ01000007.1	208066	ref	7.04
myc71.3		JAGZ01000001.1	379421	var	7.11
myc71.3		JAGZ01000001.1	792061	var	7.20
myc71.3		JAGZ01000002.1	499484	var	7.39
myc71.3		JAGZ01000001.1	405001	var	7.55
myc71.3		JAGZ01000005.1	195182	var	7.67
myc71.3		JAGZ01000004.1	70894	var	7.69
myc71.3		JAGZ01000004.1	89146	var	7.72
myc71.3		JAGZ01000013.1	27822	ref	7.76
myc71.3		JAGZ01000013.1	43857	ref	7.96
myc71.3		JAGZ01000006.1	107119	ref	8.20
myc71.3		JAGZ01000005.1	142239	ref	8.29
myc71.3		JAGZ01000002.1	93837	var	8.51
myc71.3		JAGZ01000003.1	306595	var	8.53
myc71.3		JAGZ01000002.1	540313	var	8.60
myc71.3		JAGZ01000004.1	402921	var	8.65
myc71.3		JAGZ01000002.1	604577	var	8.67
myc71.3		JAGZ01000007.1	24618	ref	8.81
myc71.3		JAGZ01000002.1	589528	var	8.98
myc71.3		JAGZ01000007.1	103985	var	9.00
myc71.3		JAGZ01000013.1	11537	var	9.01
myc71.3		JAGZ01000001.1	264341	var	9.09
myc71.3		JAGZ01000002.1	474473	var	9.34
myc71.3		JAGZ01000001.1	847237	ref	9.54
myc71.3		JAGZ01000004.1	175941	var	9.56
myc71.3		JAGZ01000001.1	446289	var	9.59
myc71.3		JAGZ01000010.1	166087	var	9.62
myc71.3		JAGZ01000009.1	14214	ref	9.66
myc71.3		JAGZ01000005.1	153727	var	9.70
myc71.3		JAGZ01000013.1	103665	ref	9.70
myc71.3		JAGZ01000004.1	162337	var	9.72
myc71.3		JAGZ01000003.1	541235	var	9.85

myc71.3		JAGZ01000006.1	187238	var	9.92
myc71.3		JAGZ01000003.1	401261	var	10.00
myc71.3		JAGZ01000004.1	35286	ref	10.00
myc71.3		JAGZ01000005.1	266955	ref	10.03
myc71.3		JAGZ01000003.1	401753	ref	10.19
myc71.3		JAGZ01000001.1	181502	ref	10.27
myc71.3		JAGZ01000013.1	39660	var	10.37
myc71.3		JAGZ01000020.1	24905	ref	10.44
myc71.3		JAGZ01000004.1	289184	ref	10.73
myc71.3		JAGZ01000004.1	337155	var	11.19
myc71.3		JAGZ01000019.1	44122	ref	11.21
myc71.3		JAGZ01000007.1	23792	ref	11.24
myc71.3		JAGZ01000003.1	521615	var	11.30
myc71.3		JAGZ01000003.1	333019	ref	11.33
myc71.3		JAGZ01000004.1	251621	var	11.40
myc71.3		JAGZ01000002.1	100643	var	11.64
myc71.3		JAGZ01000009.1	160213	var	11.89
myc71.3		JAGZ01000006.1	261399	var	11.94
myc71.3		JAGZ01000008.1	129796	ref	11.94
myc71.3		JAGZ01000010.1	151016	ref	11.99
myc71.3		JAGZ01000002.1	493646	ref	12.24
myc71.3		JAGZ01000003.1	182889	var	12.45
myc71.3		JAGZ01000005.1	200623	var	12.50
myc71.3		JAGZ01000005.1	24423	var	12.58
myc71.3		JAGZ01000005.1	391558	ref	13.17
myc71.3		JAGZ01000005.1	23126	ref	13.49
myc71.3		JAGZ01000005.1	128138	ref	13.51
myc71.3		JAGZ01000005.1	255695	ref	14.14
myc71.3		JAGZ01000003.1	117976	ref	14.64
myc71.2	myc71.3	JAGZ01000014.1	12833	ref	16.90
myc71.2	myc71.3	JAGZ01000001.1	580	ref	17.49
myc71.2	myc71.3	JAGZ01000019.1	33978	ref	17.62
myc71.2	myc71.3	JAGZ01000012.1	78978	ref	17.69
myc71.2	myc71.3	JAGZ01000003.1	275315	ref	17.88
myc71.2	myc71.3	JAGZ01000003.1	170440	ref	18.03
myc71.2	myc71.3	JAGZ01000001.1	105104	ref	18.26
myc71.2	myc71.3	JAGZ01000012.1	67836	ref	18.52
myc71.2	myc71.3	JAGZ01000004.1	228359	ref	18.98
myc71.2	myc71.3	JAGZ01000003.1	465139	ref	19.14

myc71.2	myc71.3	JAGZ01000004.1	246505	ref	19.83
myc71.2	myc71.3	JAGZ01000003.1	537083	ref	19.93
myc71.2	myc71.3	JAGZ01000003.1	74830	ref	20.08
myc71.2	myc71.3	JAGZ01000015.1	27805	ref	20.10
myc71.2	myc71.3	JAGZ01000021.1	658	ref	20.14
myc71.2	myc71.3	JAGZ01000003.1	401211	ref	20.42
myc71.2	myc71.3	JAGZ01000004.1	233097	ref	20.45
myc71.2	myc71.3	JAGZ01000015.1	42171	ref	20.51
myc71.2	myc71.3	JAGZ01000006.1	68754	ref	20.60
myc71.2	myc71.3	JAGZ01000011.1	24586	ref	20.62
myc71.2	myc71.3	JAGZ01000003.1	99513	ref	20.77
myc71.2	myc71.3	JAGZ01000001.1	105023	ref	20.83
myc71.2	myc71.3	JAGZ01000004.1	306156	ref	20.91
myc71.2	myc71.3	JAGZ01000002.1	498521	ref	20.92
myc71.2	myc71.3	JAGZ01000018.1	19855	ref	21.31
myc71.2	myc71.3	JAGZ01000011.1	31505	ref	21.62
myc71.2	myc71.3	JAGZ01000018.1	41279	ref	21.65
myc71.2	myc71.3	JAGZ01000004.1	341811	ref	22.30
myc71.2	myc71.3	JAGZ01000002.1	216312	ref	22.73
myc71.2	myc71.3	JAGZ01000002.1	576008	ref	23.11
myc71.2	myc71.3	JAGZ01000002.1	501423	ref	23.34
myc71.2	myc71.3	JAGZ01000009.1	83078	ref	24.27
myc71.2	myc71.3	JAGZ01000006.1	154552	ref	24.50
myc71.2	myc71.3	JAGZ01000007.1	106949	ref	25.56
myc71.2	myc71.3	JAGZ01000001.1	272785	ref	25.74
myc71.2	myc71.3	JAGZ01000005.1	332598	ref	25.74
myc71.2	myc71.3	JAGZ01000002.1	165686	ref	26.39
myc71.2	myc71.3	JAGZ01000005.1	252568	ref	27.47

**Inclusive
mimimum
frequency of bin (%) Cumulative
distribution Frequency
distribution**

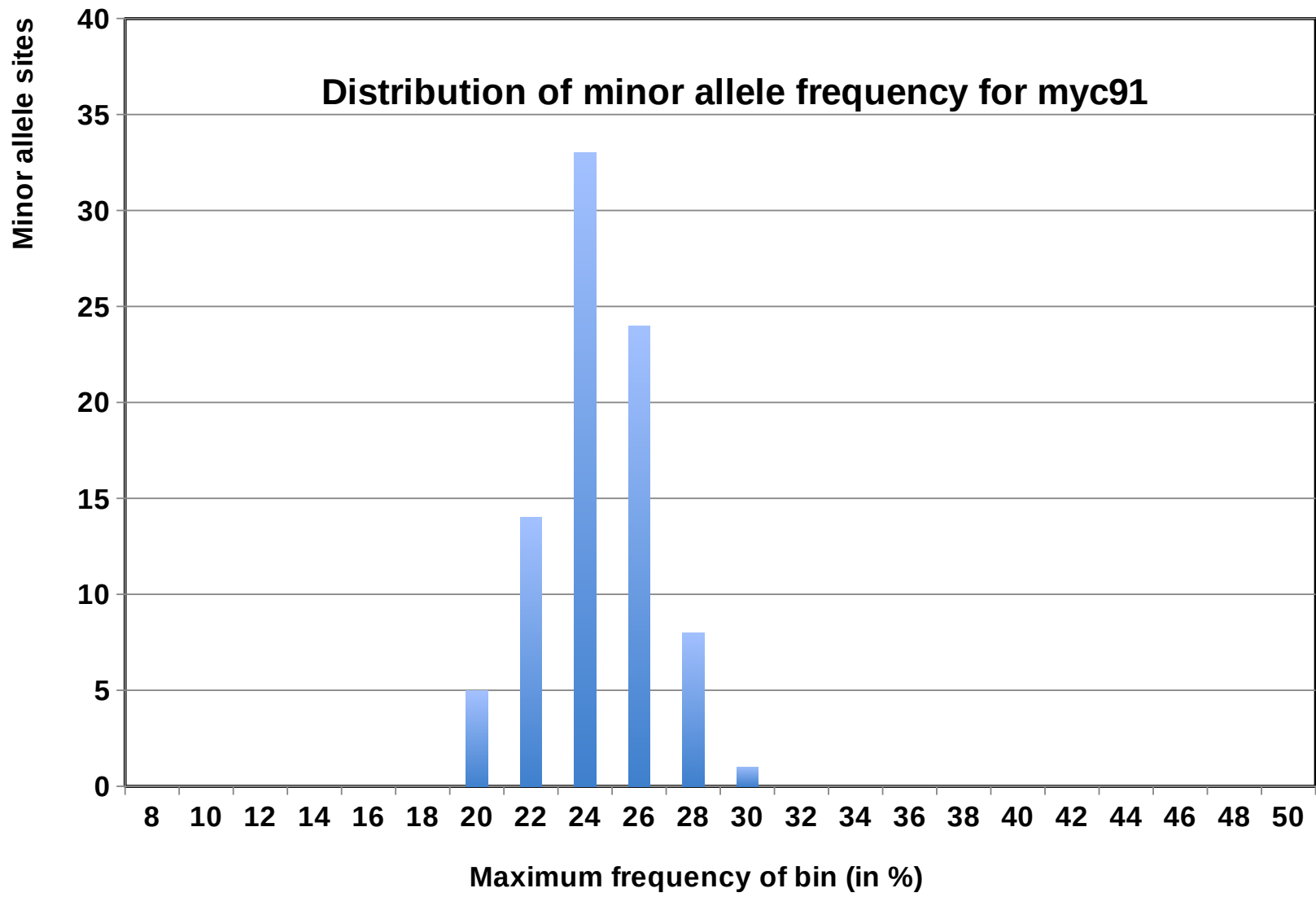
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16	64	2
18	69	5
20	76	7
22	91	15
24	95	4
26	100	5
28	102	2
30	102	0
32	102	0
34	102	0
36	102	0
38	102	0
40	102	0
42	102	0
44	102	0
46	102	0
48	102	0
50	102	0



myc91			Minor		Inclusive
Genotype	Reference	Position	allele	Minor	mimimum
	contig ID	relative to	relative to	allele fre-	frequency
		reference	reference	quency (%)	of bin (%)
myc91.2	JAGZ01000003.1	401261	ref	19.19	8
myc91.2	JAGZ01000001.1	272785	var	19.58	10
myc91.2	JAGZ01000013.1	39660	ref	19.60	12
myc91.2	JAGZ01000005.1	252568	var	19.70	14
myc91.2	JAGZ01000003.1	541235	ref	19.84	16
myc91.2	JAGZ01000002.1	498521	var	20.21	18
myc91.2	JAGZ01000001.1	580	var	20.38	20
myc91.2	JAGZ01000005.1	200623	ref	20.55	22
myc91.2	JAGZ01000002.1	216312	var	20.66	24
myc91.2	JAGZ01000004.1	228359	var	20.71	26
myc91.2	JAGZ01000012.1	84324	var	20.96	28
myc91.2	JAGZ01000003.1	465139	var	21.25	30
myc91.2	JAGZ01000012.1	67836	var	21.47	32
myc91.2	JAGZ01000003.1	170440	var	21.66	34
myc91.2	JAGZ01000005.1	153727	ref	21.68	36
myc91.2	JAGZ01000005.1	332598	var	21.75	38
myc91.2	JAGZ01000018.1	19855	var	21.75	40
myc91.2	JAGZ01000014.1	12833	var	21.86	42
myc91.2	JAGZ01000002.1	576008	var	21.97	44
myc91.2	JAGZ01000004.1	306156	var	22.04	46
myc91.2	JAGZ01000001.1	405001	ref	22.05	48
myc91.2	JAGZ01000004.1	162337	ref	22.12	50
myc91.2	JAGZ01000003.1	306595	ref	22.13	
myc91.2	JAGZ01000002.1	501423	var	22.19	
myc91.2	JAGZ01000003.1	275315	var	22.19	
myc91.2	JAGZ01000001.1	379421	ref	22.28	
myc91.2	JAGZ01000003.1	532734	ref	22.28	
myc91.2	JAGZ01000012.1	78978	var	22.31	
myc91.2	JAGZ01000003.1	537083	var	22.38	
myc91.2	JAGZ01000004.1	175941	ref	22.43	
myc91.2	JAGZ01000001.1	105023	var	22.45	
myc91.2	JAGZ01000001.1	487230	ref	22.74	
myc91.2	JAGZ01000009.1	83078	var	22.81	
myc91.2	JAGZ01000005.1	195182	ref	22.91	
myc91.2	JAGZ01000004.1	246505	var	22.94	

myc91.2	JAGZ01000002.1	540313	ref	23.10
myc91.2	JAGZ01000004.1	70894	ref	23.19
myc91.2	JAGZ01000008.1	14529	ref	23.43
myc91.2	JAGZ01000015.1	27805	var	23.45
myc91.2	JAGZ01000015.1	30881	ref	23.45
myc91.2	JAGZ01000003.1	99513	var	23.48
myc91.2	JAGZ01000001.1	713776	ref	23.49
myc91.2	JAGZ01000002.1	263124	ref	23.51
myc91.2	JAGZ01000003.1	287988	var	23.57
myc91.2	JAGZ01000002.1	398974	ref	23.63
myc91.2	JAGZ01000004.1	251621	ref	23.63
myc91.2	JAGZ01000006.1	68754	var	23.63
myc91.2	JAGZ01000003.1	401211	var	23.65
myc91.2	JAGZ01000004.1	233097	var	23.67
myc91.2	JAGZ01000003.1	117976	var	23.68
myc91.2	JAGZ01000002.1	165686	var	23.75
myc91.2	JAGZ01000003.1	521615	ref	23.77
myc91.2	JAGZ01000004.1	341811	var	24.06
myc91.2	JAGZ01000007.1	103985	ref	24.11
myc91.2	JAGZ01000002.1	499484	ref	24.15
myc91.2	JAGZ01000018.1	41279	var	24.15
myc91.2	JAGZ01000005.1	107487	ref	24.28
myc91.2	JAGZ01000004.1	89146	ref	24.38
myc91.2	JAGZ01000003.1	182889	ref	24.42
myc91.2	JAGZ01000005.1	24423	ref	24.44
myc91.2	JAGZ01000004.1	337155	ref	24.51
myc91.2	JAGZ01000007.1	106949	var	24.55
myc91.2	JAGZ01000001.1	446289	ref	24.61
myc91.2	JAGZ01000006.1	261399	ref	24.64
myc91.2	JAGZ01000002.1	604577	ref	24.74
myc91.2	JAGZ01000004.1	402921	ref	24.86
myc91.2	JAGZ01000002.1	408652	var	24.93
myc91.2	JAGZ01000001.1	792061	ref	25.16
myc91.2	JAGZ01000011.1	24586	var	25.16
myc91.2	JAGZ01000019.1	53551	ref	25.16
myc91.2	JAGZ01000003.1	74830	var	25.28
myc91.2	JAGZ01000002.1	474473	ref	25.29
myc91.2	JAGZ01000001.1	105104	var	25.31
myc91.2	JAGZ01000002.1	589528	ref	25.52
myc91.2	JAGZ01000007.1	195954	var	25.75

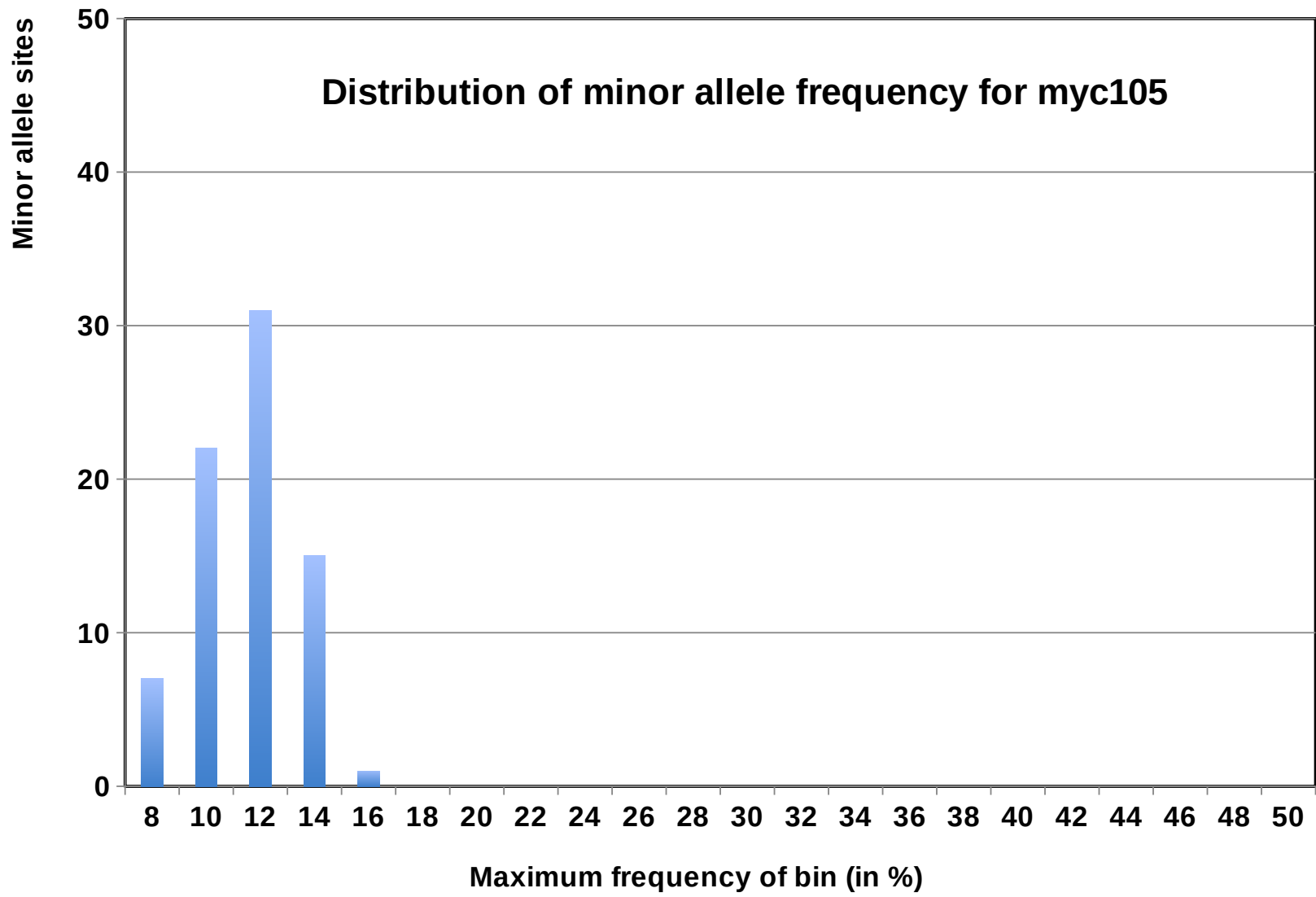
myc91.2	JAGZ01000015.1	42171	var	25.75
myc91.2	JAGZ01000013.1	11537	ref	26.07
myc91.2	JAGZ01000006.1	154552	var	26.10
myc91.2	JAGZ01000019.1	33978	var	26.17
myc91.2	JAGZ01000002.1	93837	ref	26.40
myc91.2	JAGZ01000008.1	85592	var	26.60
myc91.2	JAGZ01000011.1	31505	var	26.67
myc91.2	JAGZ01000010.1	166087	ref	26.83
myc91.2	JAGZ01000002.1	100643	ref	27.30
myc91.2	JAGZ01000021.1	658	var	28.05



myc105			Minor		Inclusive
Genotype	Reference	Position	allele	Minor	mimimum
	contig ID	relative to	relative to	allele fre-	frequency
		reference	reference	quency (%)	of bin (%)
myc105.2	JAGZ01000015.1	27805	ref	6.37	8
myc105.2	JAGZ01000006.1	68754	ref	6.41	10
myc105.2	JAGZ01000002.1	100643	var	6.51	12
myc105.2	JAGZ01000003.1	99513	ref	7.24	14
myc105.2	JAGZ01000001.1	713776	var	7.33	16
myc105.2	JAGZ01000002.1	499484	var	7.69	18
myc105.2	JAGZ01000004.1	337155	var	7.85	20
myc105.2	JAGZ01000001.1	792061	var	8.02	22
myc105.2	JAGZ01000003.1	117976	ref	8.08	24
myc105.2	JAGZ01000011.1	31505	ref	8.20	26
myc105.2	JAGZ01000002.1	93837	var	8.25	28
myc105.2	JAGZ01000002.1	216312	ref	8.28	30
myc105.2	JAGZ01000002.1	540313	var	8.44	32
myc105.2	JAGZ01000003.1	182889	var	8.58	34
myc105.2	JAGZ01000006.1	261399	var	9.03	36
myc105.2	JAGZ01000003.1	401211	ref	9.09	38
myc105.2	JAGZ01000003.1	401261	var	9.09	40
myc105.2	JAGZ01000021.1	658	ref	9.09	42
myc105.2	JAGZ01000006.1	154552	ref	9.23	44
myc105.2	JAGZ01000002.1	498521	ref	9.28	46
myc105.2	JAGZ01000019.1	33978	ref	9.29	48
myc105.2	JAGZ01000015.1	42171	ref	9.41	50
myc105.2	JAGZ01000004.1	228359	ref	9.55	
myc105.2	JAGZ01000012.1	67836	ref	9.59	
myc105.2	JAGZ01000004.1	70894	var	9.65	
myc105.2	JAGZ01000002.1	589528	var	9.81	
myc105.2	JAGZ01000003.1	541235	var	9.82	
myc105.2	JAGZ01000013.1	39660	var	9.93	
myc105.2	JAGZ01000002.1	263124	var	10.00	
myc105.2	JAGZ01000003.1	306595	var	10.03	
myc105.2	JAGZ01000004.1	402921	var	10.06	
myc105.2	JAGZ01000013.1	11537	var	10.27	
myc105.2	JAGZ01000001.1	105023	ref	10.33	
myc105.2	JAGZ01000005.1	200623	var	10.34	
myc105.2	JAGZ01000011.1	24586	ref	10.39	

myc105.2	JAGZ01000005.1	24423	var	10.40
myc105.2	JAGZ01000004.1	175941	var	10.51
myc105.2	JAGZ01000004.1	251621	var	10.51
myc105.2	JAGZ01000003.1	170440	ref	10.56
myc105.2	JAGZ01000018.1	41279	ref	10.75
myc105.2	JAGZ01000019.1	53551	var	10.79
myc105.2	JAGZ01000001.1	405001	var	10.84
myc105.2	JAGZ01000001.1	272785	ref	10.85
myc105.2	JAGZ01000005.1	195182	var	10.87
myc105.2	JAGZ01000001.1	379421	var	10.91
myc105.2	JAGZ01000005.1	332598	ref	10.91
myc105.2	JAGZ01000001.1	105104	ref	11.11
myc105.2	JAGZ01000014.1	12833	ref	11.15
myc105.2	JAGZ01000005.1	153727	var	11.25
myc105.2	JAGZ01000002.1	576008	ref	11.40
myc105.2	JAGZ01000002.1	398974	var	11.46
myc105.2	JAGZ01000002.1	501423	ref	11.54
myc105.2	JAGZ01000004.1	246505	ref	11.55
myc105.2	JAGZ01000002.1	604577	var	11.60
myc105.2	JAGZ01000009.1	83078	ref	11.63
myc105.2	JAGZ01000018.1	19855	ref	11.70
myc105.2	JAGZ01000001.1	580	ref	11.78
myc105.2	JAGZ01000003.1	275315	ref	11.86
myc105.2	JAGZ01000003.1	74830	ref	12.00
myc105.2	JAGZ01000004.1	89146	var	12.00
myc105.2	JAGZ01000002.1	165686	ref	12.05
myc105.2	JAGZ01000003.1	537083	ref	12.07
myc105.2	JAGZ01000004.1	306156	ref	12.11
myc105.2	JAGZ01000004.1	162337	var	12.19
myc105.2	JAGZ01000003.1	521615	var	12.35
myc105.2	JAGZ01000002.1	474473	var	12.62
myc105.2	JAGZ01000003.1	465139	ref	12.62
myc105.2	JAGZ01000010.1	166087	var	12.62
myc105.2	JAGZ01000015.1	30881	var	12.95
myc105.2	JAGZ01000007.1	106949	ref	13.11
myc105.2	JAGZ01000004.1	341811	ref	13.17
myc105.2	JAGZ01000001.1	446289	var	13.31
myc105.2	JAGZ01000007.1	103985	var	13.44
myc105.2	JAGZ01000005.1	252568	ref	13.58
myc105.2	JAGZ01000012.1	78978	ref	13.81

myc105.2 JAGZ01000004.1 233097 ref 14.64



myc106		Position	Minor	Minor	Inclusive
Genotype	Reference	relative to	allele	allele fre-	mimumum
	contig ID	reference	relative to	quency (%)	frequency
			reference		of bin (%)
myc106.3	JAGZ01000004.1	70894	var	6.23	8
myc106.3	JAGZ01000004.1	89146	var	6.40	10
myc106.3	JAGZ01000004.1	233097	var	23.84	12
myc106.3	JAGZ01000011.1	24586	var	24.18	14
myc106.3	JAGZ01000004.1	306156	var	24.53	16
myc106.3	JAGZ01000021.1	658	var	25.29	18
myc106.3	JAGZ01000012.1	78978	var	25.87	20
myc106.3	JAGZ01000005.1	252568	var	26.67	22
myc106.3	JAGZ01000012.1	67836	var	26.74	24
myc106.3	JAGZ01000007.1	106949	var	26.84	26
myc106.3	JAGZ01000003.1	117976	var	26.95	28
myc106.3	JAGZ01000002.1	498521	var	26.98	30
myc106.3	JAGZ01000018.1	19855	var	26.98	32
myc106.3	JAGZ01000001.1	272785	var	27.34	34
myc106.3	JAGZ01000019.1	44122	var	27.34	36
myc106.3	JAGZ01000019.1	33978	var	27.69	38
myc106.3	JAGZ01000003.1	99513	var	27.73	40
myc106.3	JAGZ01000004.1	228359	var	27.78	42
myc106.3	JAGZ01000015.1	42171	var	27.94	44
myc106.3	JAGZ01000003.1	465139	var	27.95	46
myc106.3	JAGZ01000004.1	341811	var	27.95	48
myc106.3	JAGZ01000003.1	537083	var	28.14	50
myc106.3	JAGZ01000005.1	332598	var	28.27	
myc106.3	JAGZ01000002.1	576008	var	28.32	
myc106.3	JAGZ01000011.1	31505	var	28.33	
myc106.3	JAGZ01000015.1	27805	var	28.40	
myc106.3	JAGZ01000009.1	83078	var	28.61	
myc106.3	JAGZ01000006.1	68754	var	28.66	
myc106.3	JAGZ01000003.1	401211	var	29.06	
myc106.3	JAGZ01000018.1	41279	var	29.06	
myc106.3	JAGZ01000003.1	74830	var	29.41	
myc106.3	JAGZ01000003.1	275315	var	29.43	
myc106.3	JAGZ01000002.1	165686	var	29.85	
myc106.3	JAGZ01000007.1	208066	var	29.86	
myc106.3	JAGZ01000004.1	246505	var	29.96	

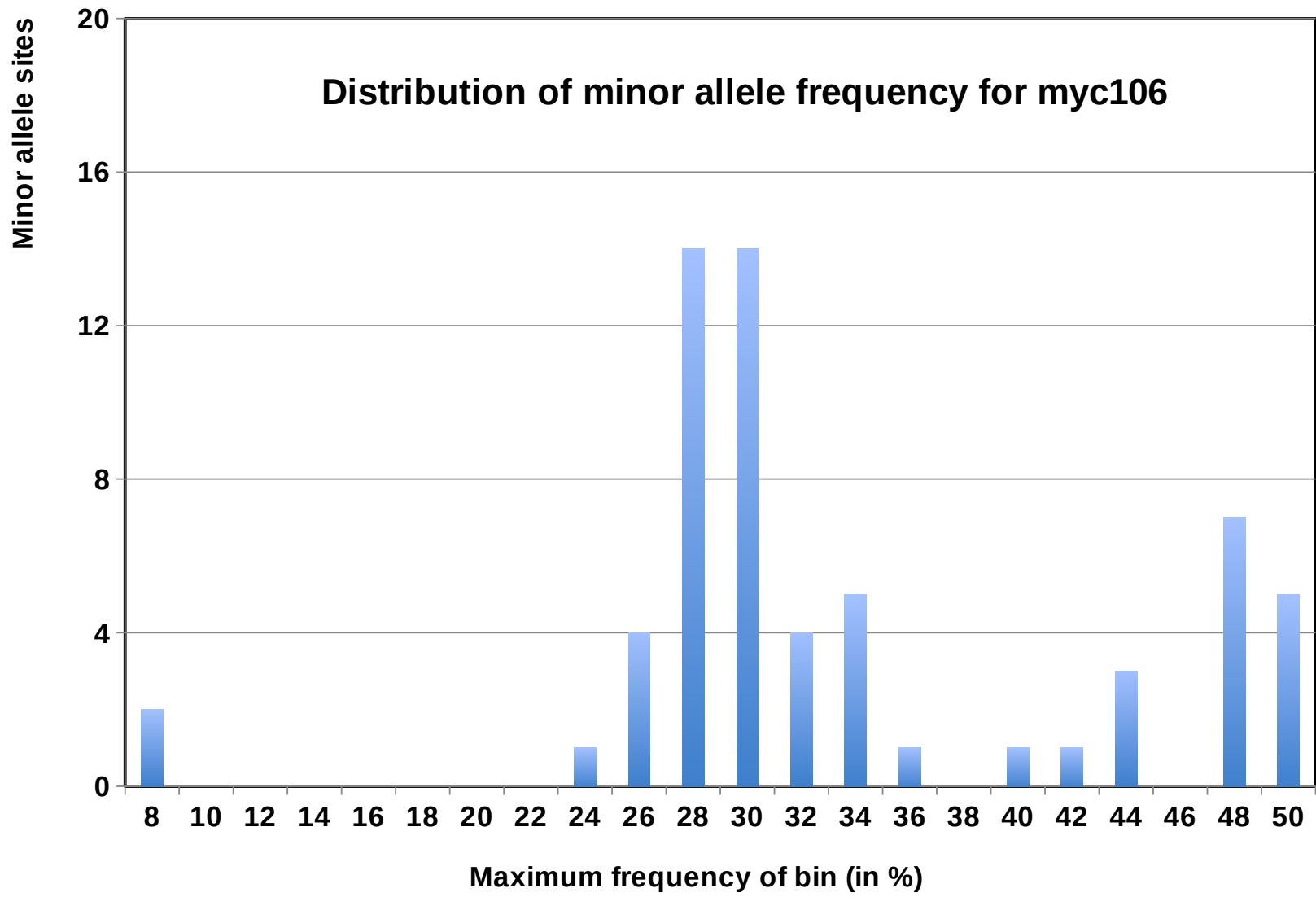
myc106.3	JAGZ01000001.1	105023	var	30.19
myc106.3	JAGZ01000001.1	580	var	31.16
myc106.3	JAGZ01000003.1	170440	var	31.29
myc106.3	JAGZ01000014.1	12833	var	31.54
myc106.3	JAGZ01000001.1	105104	var	32.25
myc106.3	JAGZ01000005.1	255695	var	32.35
myc106.3	JAGZ01000002.1	501423	var	32.82
myc106.3	JAGZ01000003.1	401753	var	33.24
myc106.3	JAGZ01000005.1	266955	var	33.65
myc106.3	JAGZ01000003.1	333019	var	35.55
myc106.2	JAGZ01000004.1	35286	ref	38.72
myc106.2	JAGZ01000009.1	14214	ref	41.87
myc106.2	JAGZ01000005.1	23126	ref	42.31
myc106.2	JAGZ01000001.1	847237	ref	43.06
myc106.2	JAGZ01000008.1	129796	ref	43.53
myc106.2	JAGZ01000013.1	103665	ref	46.01
myc106.2	JAGZ01000001.1	181502	ref	46.02
myc106.2	JAGZ01000007.1	24618	ref	46.09
myc106.2	JAGZ01000020.1	24905	ref	46.80
myc106.2	JAGZ01000013.1	27822	ref	46.82
myc106.2	JAGZ01000010.1	151016	ref	46.86
myc106.2	JAGZ01000002.1	493646	ref	47.01
myc106.2	JAGZ01000013.1	43857	ref	48.07
myc106.2	JAGZ01000004.1	289184	ref	48.24
myc106.2	JAGZ01000005.1	142239	var	48.33
myc106.2	JAGZ01000007.1	23792	var	49.36
myc106.2	JAGZ01000005.1	128138	ref	49.52

The genotype at each site highlighted in blue was changed by adjusting the MAF value

**Cumulative Frequency
distribution distribution**

2	2
2	0
2	0
2	0
2	0
2	0
2	0
2	0
3	1
7	4
21	14
35	14
39	4
44	5
45	1
45	0
46	1
47	1
50	3
50	0
57	7
62	5

ue in the analysis



myc107

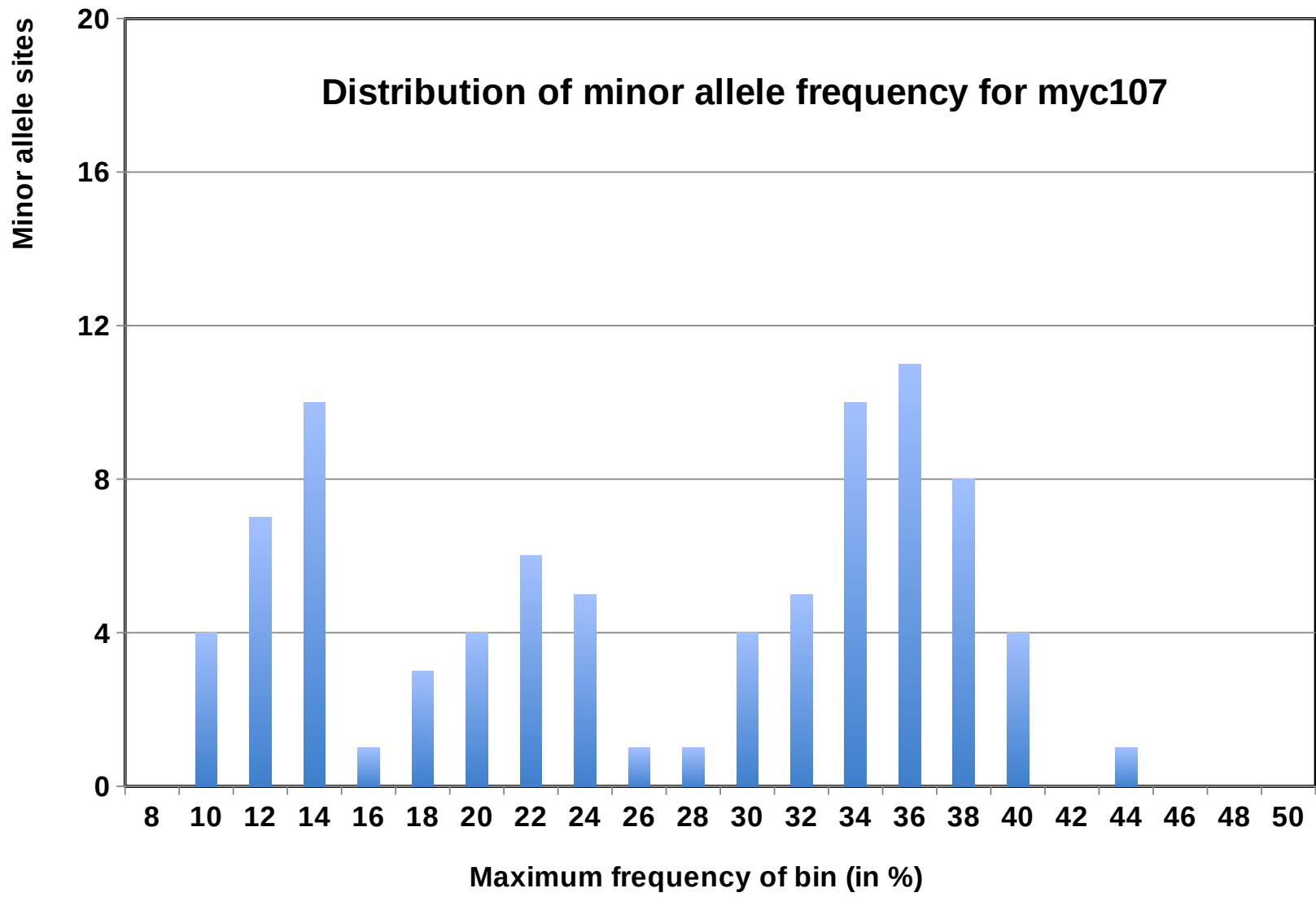
Genotype	Extra genotype	Reference contig ID	Position relative to reference	Minor allele relative to reference	Minor allele frequency (%)
myc107.4		JAGZ01000005.1	23126	ref	8.63
myc107.4		JAGZ01000003.1	58808	var	9.20
myc107.4		JAGZ01000005.1	128138	ref	9.69
myc107.4		JAGZ01000004.1	35286	ref	9.73
myc107.4		JAGZ01000002.1	493646	ref	10.18
myc107.4		JAGZ01000001.1	847237	ref	10.65
myc107.4		JAGZ01000004.1	213870	var	11.22
myc107.4		JAGZ01000007.1	204732	var	11.37
myc107.4		JAGZ01000001.1	181502	ref	11.43
myc107.4		JAGZ01000005.1	142239	ref	11.61
myc107.4		JAGZ01000010.1	151016	ref	11.64
myc107.4		JAGZ01000004.1	289184	ref	12.12
myc107.4		JAGZ01000009.1	14214	ref	12.21
myc107.4		JAGZ01000002.1	63058	var	12.33
myc107.4		JAGZ01000019.1	50810	var	12.76
myc107.4		JAGZ01000008.1	129796	ref	12.82
myc107.4		JAGZ01000007.1	24618	ref	12.92
myc107.4		JAGZ01000002.1	582713	var	13.64
myc107.4		JAGZ01000013.1	43857	ref	13.69
myc107.4		JAGZ01000007.1	23792	ref	13.89
myc107.4		JAGZ01000013.1	27822	ref	13.96
myc107.4		JAGZ01000020.1	24905	ref	14.29
myc107.4		JAGZ01000001.1	337442	var	16.41
myc107.4		JAGZ01000013.1	103665	ref	16.48
myc107.3		JAGZ01000006.1	228107	var	17.90
myc107.3		JAGZ01000005.1	331317	var	18.61
myc107.3		JAGZ01000007.1	95694	var	18.81
myc107.3		JAGZ01000019.1	21917	var	18.99
myc107.3		JAGZ01000002.1	192936	var	19.13
myc107.3		JAGZ01000010.1	86369	var	20.55
myc107.3		JAGZ01000016.1	46739	var	20.88
myc107.3		JAGZ01000006.1	104450	var	21.15
myc107.3		JAGZ01000010.1	40494	var	21.26
myc107.3		JAGZ01000002.1	466541	var	21.54

myc107.3		JAGZ01000006.1	12502	var	21.59
myc107.3		JAGZ01000016.1	2203	var	22.01
myc107.3		JAGZ01000001.1	721154	var	22.27
myc107.3		JAGZ01000001.1	297243	var	22.48
myc107.3		JAGZ01000009.1	78200	var	22.88
myc107.3		JAGZ01000003.1	129766	var	23.48
myc107.3		JAGZ01000001.1	828888	var	24.78
myc107.3		JAGZ01000001.1	345007	var	27.11
myc107.3	myc107.4	JAGZ01000015.1	27805	ref	28.29
myc107.3	myc107.4	JAGZ01000004.1	306156	ref	29.20
myc107.3	myc107.4	JAGZ01000007.1	208066	ref	29.65
myc107.3	myc107.4	JAGZ01000003.1	537083	ref	30.00
myc107.3	myc107.4	JAGZ01000003.1	401753	ref	30.49
myc107.3	myc107.4	JAGZ01000009.1	83078	ref	31.10
myc107.3	myc107.4	JAGZ01000005.1	255695	ref	31.40
myc107.3	myc107.4	JAGZ01000004.1	341811	ref	31.46
myc107.3	myc107.4	JAGZ01000002.1	165686	ref	31.58
myc107.3	myc107.4	JAGZ01000002.1	576008	ref	32.09
myc107.3	myc107.4	JAGZ01000001.1	272785	ref	32.31
myc107.3	myc107.4	JAGZ01000014.1	12833	ref	32.42
myc107.3	myc107.4	JAGZ01000003.1	74830	ref	32.62
myc107.3	myc107.4	JAGZ01000012.1	78978	ref	32.62
myc107.3	myc107.4	JAGZ01000003.1	333019	ref	32.66
myc107.3	myc107.4	JAGZ01000019.1	44122	ref	32.69
myc107.3	myc107.4	JAGZ01000003.1	99513	ref	33.33
myc107.3	myc107.4	JAGZ01000019.1	33978	ref	33.47
myc107.3	myc107.4	JAGZ01000004.1	246505	ref	33.65
myc107.3	myc107.4	JAGZ01000006.1	68754	ref	34.33
myc107.3	myc107.4	JAGZ01000007.1	106949	ref	34.41
myc107.3	myc107.4	JAGZ01000012.1	67836	ref	34.41
myc107.3	myc107.4	JAGZ01000003.1	465139	ref	34.46
myc107.3	myc107.4	JAGZ01000011.1	31505	ref	34.52
myc107.3	myc107.4	JAGZ01000003.1	117976	ref	34.54
myc107.3	myc107.4	JAGZ01000002.1	498521	ref	34.69
myc107.3	myc107.4	JAGZ01000001.1	105023	ref	34.87
myc107.3	myc107.4	JAGZ01000011.1	24586	ref	35.43
myc107.3	myc107.4	JAGZ01000001.1	105104	ref	35.71
myc107.3	myc107.4	JAGZ01000005.1	266955	ref	35.94
myc107.3	myc107.4	JAGZ01000005.1	252568	ref	36.22

myc107.3	myc107.4	JAGZ01000021.1	658	ref	36.28
myc107.3	myc107.4	JAGZ01000003.1	401211	ref	36.39
myc107.3	myc107.4	JAGZ01000018.1	19855	ref	36.93
myc107.3	myc107.4	JAGZ01000004.1	228359	ref	36.99
myc107.3	myc107.4	JAGZ01000004.1	233097	ref	37.11
myc107.3	myc107.4	JAGZ01000003.1	275315	ref	37.41
myc107.3	myc107.4	JAGZ01000018.1	41279	ref	37.68
myc107.3	myc107.4	JAGZ01000015.1	42171	ref	38.13
myc107.3	myc107.4	JAGZ01000003.1	170440	ref	38.41
myc107.3	myc107.4	JAGZ01000005.1	332598	ref	39.63
myc107.3	myc107.4	JAGZ01000001.1	580	ref	39.80
myc107.3	myc107.4	JAGZ01000002.1	501423	ref	42.81

**Inclusive
mimumum
frequency of bin (%) Cumulative
distribution Frequency
distribution**

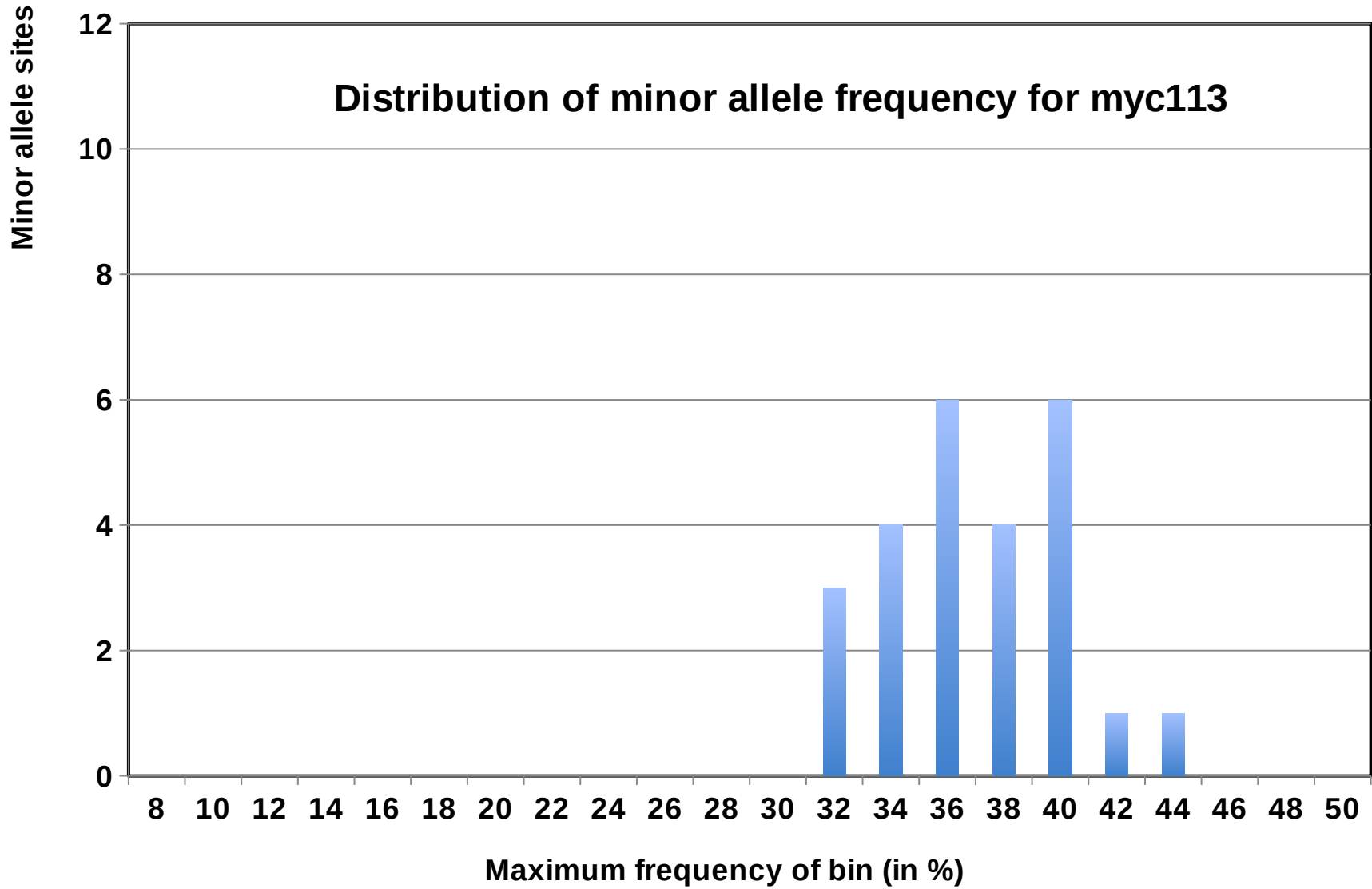
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14	21	10
16	22	1
18	25	3
20	29	4
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24	40	5
26	41	1
28	42	1
30	46	4
32	51	5
34	61	10
36	72	11
38	80	8
40	84	4
42	84	0
44	85	1
46	85	0
48	85	0
50	85	0



myc113		Position	Minor	Minor	Inclusive
Genotype	Reference	relative to	allele	allele fre-	mimimum
	contig ID	reference	relative to	quency (%)	frequency
			reference		of bin (%)
myc113.2	JAGZ01000008.1	184555	var	31.03	8
myc113.2	JAGZ01000002.1	493646	ref	31.34	10
myc113.2	JAGZ01000001.1	181502	ref	31.96	12
myc113.2	JAGZ01000019.1	50810	var	32.19	14
myc113.2	JAGZ01000005.1	23126	ref	32.65	16
myc113.2	JAGZ01000013.1	103665	ref	33.61	18
myc113.2	JAGZ01000007.1	23792	ref	33.92	20
myc113.2	JAGZ01000013.1	43857	ref	34.17	22
myc113.2	JAGZ01000020.1	24905	ref	34.59	24
myc113.2	JAGZ01000002.1	582713	var	35.04	26
myc113.2	JAGZ01000009.1	14214	ref	35.14	28
myc113.2	JAGZ01000008.1	129796	ref	35.81	30
myc113.2	JAGZ01000005.1	142239	ref	35.91	32
myc113.2	JAGZ01000004.1	289184	ref	36.05	34
myc113.2	JAGZ01000010.1	151016	ref	36.23	36
myc113.2	JAGZ01000002.1	63058	var	36.45	38
myc113.2	JAGZ01000004.1	35286	ref	37.11	40
myc113.2	JAGZ01000007.1	204732	var	38.05	42
myc113.2	JAGZ01000004.1	213870	var	38.06	44
myc113.2	JAGZ01000001.1	847237	ref	38.62	46
myc113.2	JAGZ01000002.1	615011	var	38.68	48
myc113.2	JAGZ01000013.1	27822	ref	39.43	50
myc113.2	JAGZ01000003.1	58808	var	39.56	
myc113.2	JAGZ01000007.1	24618	ref	40.67	
myc113.2	JAGZ01000005.1	128138	ref	42.68	

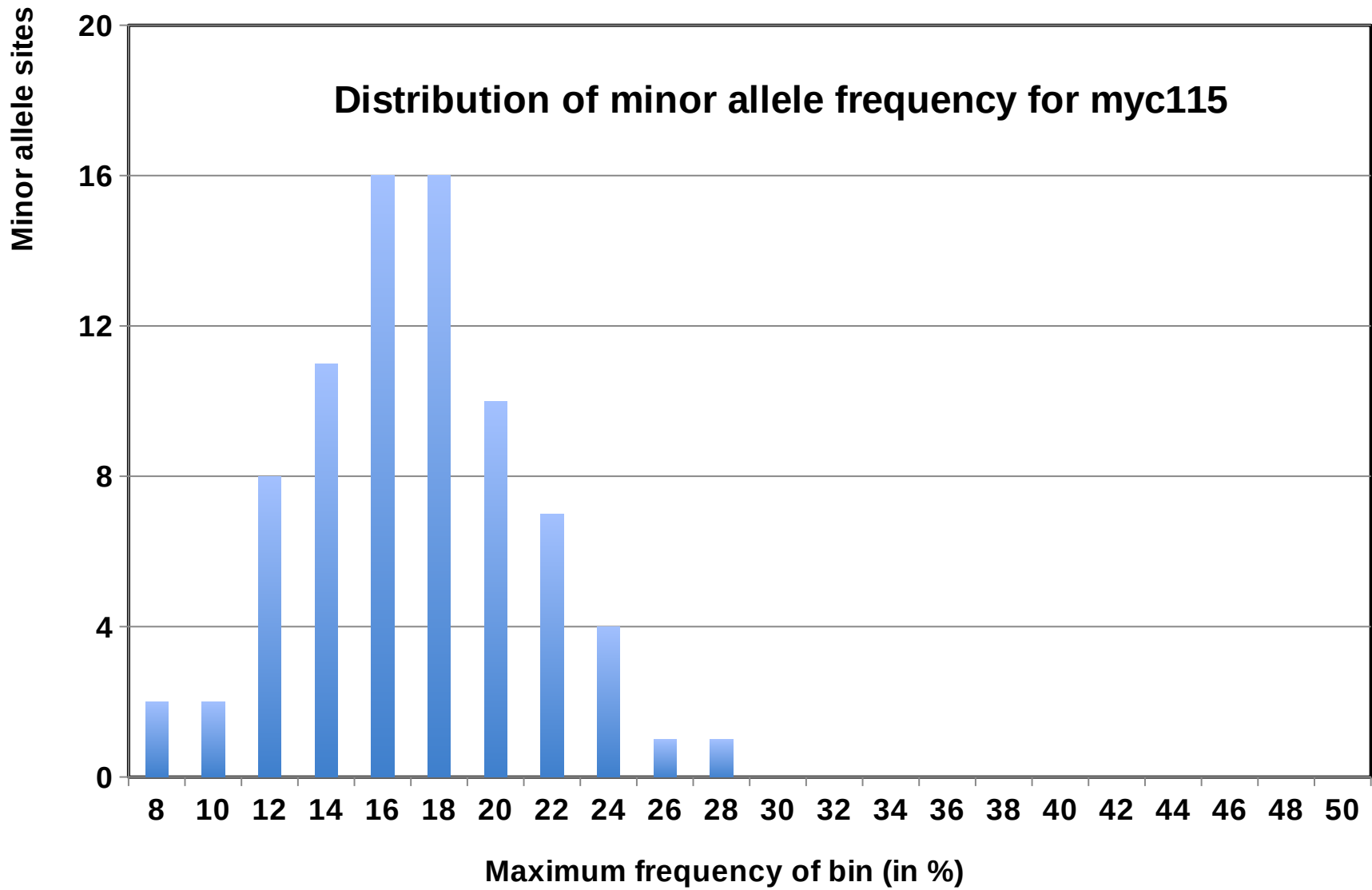
**Cumulative Frequency
distribution distribution**

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0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
3	3
7	4
13	6
17	4
23	6
24	1
25	1
25	0
25	0
25	0



myc115			Minor allele	Minor allele frequency (%)	Inclusive minimum frequency of bin (%)
Genotype	Reference contig ID	Position relative to reference	relative to reference		
myc115.2	JAGZ01000001.1	847237	ref	6.38	8
myc115.2	JAGZ01000006.1	187238	var	6.42	10
myc115.2	JAGZ01000010.1	151016	ref	8.57	12
myc115.2	JAGZ01000002.1	100643	var	9.60	14
myc115.2	JAGZ01000001.1	446289	var	10.23	16
myc115.2	JAGZ01000013.1	39660	var	10.56	18
myc115.2	JAGZ01000003.1	182889	var	10.57	20
myc115.2	JAGZ01000003.1	99513	ref	11.35	22
myc115.2	JAGZ01000001.1	713776	var	11.54	24
myc115.2	JAGZ01000005.1	153727	var	11.54	26
myc115.2	JAGZ01000013.1	11537	var	11.81	28
myc115.2	JAGZ01000002.1	93837	var	11.91	30
myc115.2	JAGZ01000002.1	499484	var	12.39	32
myc115.2	JAGZ01000004.1	162337	var	12.44	34
myc115.2	JAGZ01000004.1	175941	var	12.45	36
myc115.2	JAGZ01000007.1	103985	var	12.76	38
myc115.2	JAGZ01000003.1	541235	var	12.84	40
myc115.2	JAGZ01000005.1	195182	var	13.00	42
myc115.2	JAGZ01000005.1	332598	ref	13.10	44
myc115.2	JAGZ01000005.1	24423	var	13.49	46
myc115.2	JAGZ01000001.1	379421	var	13.60	48
myc115.2	JAGZ01000003.1	521615	var	13.89	50
myc115.2	JAGZ01000001.1	405001	var	13.99	
myc115.2	JAGZ01000002.1	540313	var	14.03	
myc115.2	JAGZ01000009.1	160213	var	14.06	
myc115.2	JAGZ01000003.1	306595	var	14.07	
myc115.2	JAGZ01000005.1	252568	ref	14.45	
myc115.2	JAGZ01000004.1	70894	var	14.46	
myc115.2	JAGZ01000003.1	275315	ref	14.52	
myc115.2	JAGZ01000004.1	251621	var	14.54	
myc115.2	JAGZ01000018.1	41279	ref	14.62	
myc115.2	JAGZ01000018.1	19855	ref	15.38	
myc115.2	JAGZ01000002.1	216312	ref	15.46	
myc115.2	JAGZ01000003.1	74830	ref	15.47	
myc115.2	JAGZ01000003.1	465139	ref	15.56	
myc115.2	JAGZ01000010.1	166087	var	15.58	
myc115.2	JAGZ01000004.1	337155	var	15.62	
myc115.2	JAGZ01000002.1	604577	var	15.64	

myc115.2	JAGZ01000003.1	401261	var	15.68
myc115.2	JAGZ01000006.1	261399	var	16.06
myc115.2	JAGZ01000002.1	576008	ref	16.26
myc115.2	JAGZ01000001.1	105104	ref	16.39
myc115.2	JAGZ01000015.1	30881	var	16.47
myc115.2	JAGZ01000001.1	792061	var	16.75
myc115.2	JAGZ01000002.1	589528	var	16.99
myc115.2	JAGZ01000006.1	154552	ref	17.11
myc115.2	JAGZ01000002.1	498521	ref	17.22
myc115.2	JAGZ01000004.1	246505	ref	17.30
myc115.2	JAGZ01000002.1	165686	ref	17.31
myc115.2	JAGZ01000003.1	117976	ref	17.31
myc115.2	JAGZ01000005.1	200623	var	17.39
myc115.2	JAGZ01000011.1	31505	ref	17.56
myc115.2	JAGZ01000019.1	33978	ref	17.67
myc115.2	JAGZ01000012.1	78978	ref	17.75
myc115.2	JAGZ01000004.1	402921	var	17.89
myc115.2	JAGZ01000003.1	170440	ref	18.18
myc115.2	JAGZ01000009.1	83078	ref	18.45
myc115.2	JAGZ01000004.1	89146	var	18.69
myc115.2	JAGZ01000002.1	501423	ref	18.86
myc115.2	JAGZ01000012.1	67836	ref	19.05
myc115.2	JAGZ01000015.1	27805	ref	19.63
myc115.2	JAGZ01000001.1	105023	ref	19.73
myc115.2	JAGZ01000001.1	272785	ref	19.90
myc115.2	JAGZ01000002.1	263124	var	19.91
myc115.2	JAGZ01000004.1	306156	ref	20.00
myc115.2	JAGZ01000004.1	228359	ref	20.38
myc115.2	JAGZ01000002.1	474473	var	20.51
myc115.2	JAGZ01000021.1	658	ref	20.96
myc115.2	JAGZ01000004.1	341811	ref	21.22
myc115.2	JAGZ01000003.1	401211	ref	21.40
myc115.2	JAGZ01000006.1	68754	ref	21.43
myc115.2	JAGZ01000015.1	42171	ref	21.69
myc115.2	JAGZ01000003.1	537083	ref	22.14
myc115.2	JAGZ01000014.1	12833	ref	22.28
myc115.2	JAGZ01000001.1	580	ref	22.52
myc115.2	JAGZ01000004.1	233097	ref	23.32
myc115.2	JAGZ01000011.1	24586	ref	25.93
myc115.2	JAGZ01000007.1	106949	ref	27.17

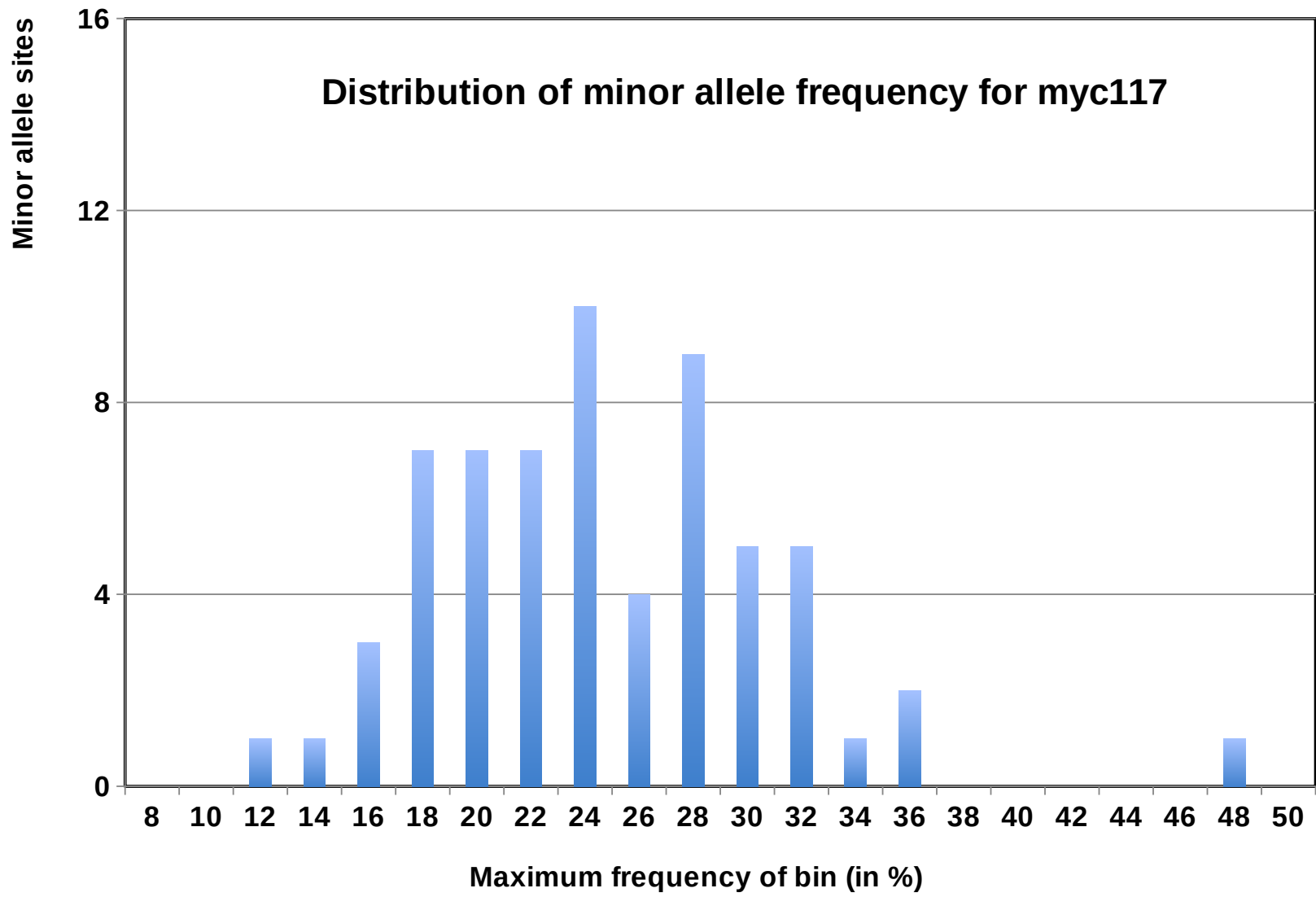


myc117		Position	Minor	Minor	Inclusive
Genotype	Reference	relative to	allele	allele fre-	mimum
	contig ID	reference	relative to	quency (%)	frequency
			reference		of bin (%)
myc117.2	JAGZ01000019.1	44122	ref	11.76	8
myc117.2	JAGZ01000006.1	68754	ref	12.07	10
myc117.2	JAGZ01000005.1	255695	ref	15.12	12
myc117.2	JAGZ01000003.1	333019	ref	15.60	14
myc117.2	JAGZ01000008.1	129796	ref	16.00	16
myc117.2	JAGZ01000001.1	580	ref	16.16	18
myc117.2	JAGZ01000002.1	493646	ref	17.00	20
myc117.2	JAGZ01000002.1	498521	ref	17.05	22
myc117.2	JAGZ01000018.1	41279	ref	17.17	24
myc117.2	JAGZ01000007.1	106949	ref	17.65	26
myc117.2	JAGZ01000012.1	78978	ref	17.89	28
myc117.2	JAGZ01000003.1	99513	ref	17.91	30
myc117.2	JAGZ01000013.1	103665	ref	18.02	32
myc117.2	JAGZ01000014.1	12833	ref	18.18	34
myc117.2	JAGZ01000003.1	74830	ref	18.56	36
myc117.2	JAGZ01000004.1	35286	ref	18.56	38
myc117.2	JAGZ01000002.1	98462	ref	18.60	40
myc117.2	JAGZ01000003.1	170440	ref	18.81	42
myc117.2	JAGZ01000015.1	42171	ref	20.00	44
myc117.2	JAGZ01000007.1	24618	ref	20.65	46
myc117.2	JAGZ01000011.1	31505	ref	20.69	48
myc117.2	JAGZ01000003.1	401211	ref	20.90	50
myc117.2	JAGZ01000005.1	23126	ref	21.00	
myc117.2	JAGZ01000001.1	847237	ref	21.18	
myc117.2	JAGZ01000010.1	151016	ref	21.18	
myc117.2	JAGZ01000003.1	537083	ref	21.28	
myc117.2	JAGZ01000001.1	181502	ref	22.22	
myc117.2	JAGZ01000002.1	216312	ref	22.62	
myc117.2	JAGZ01000002.1	501423	ref	22.97	
myc117.2	JAGZ01000003.1	465139	ref	23.08	
myc117.2	JAGZ01000003.1	117976	ref	23.28	
myc117.2	JAGZ01000009.1	14214	ref	23.33	
myc117.2	JAGZ01000004.1	341811	ref	23.46	
myc117.2	JAGZ01000005.1	266955	ref	23.66	
myc117.2	JAGZ01000001.1	888406	var	23.81	

myc117.2	JAGZ01000015.1	27805	ref	23.94
myc117.2	JAGZ01000007.1	208066	ref	24.14
myc117.2	JAGZ01000004.1	306156	ref	24.73
myc117.2	JAGZ01000012.1	67836	ref	25.00
myc117.2	JAGZ01000013.1	43857	ref	25.21
myc117.2	JAGZ01000005.1	128138	ref	26.19
myc117.2	JAGZ01000021.1	658	ref	26.27
myc117.2	JAGZ01000004.1	228359	ref	26.39
myc117.2	JAGZ01000005.1	332598	ref	26.42
myc117.2	JAGZ01000003.1	275315	ref	26.44
myc117.2	JAGZ01000001.1	105104	ref	26.53
myc117.2	JAGZ01000004.1	289184	ref	26.56
myc117.2	JAGZ01000009.1	83078	ref	27.19
myc117.2	JAGZ01000001.1	272785	ref	27.85
myc117.2	JAGZ01000005.1	252568	ref	28.12
myc117.2	JAGZ01000020.1	24905	ref	28.57
myc117.2	JAGZ01000002.1	576008	ref	29.17
myc117.2	JAGZ01000011.1	24586	ref	29.25
myc117.2	JAGZ01000004.1	233097	ref	29.73
myc117.2	JAGZ01000019.1	33978	ref	30.61
myc117.2	JAGZ01000004.1	246505	ref	30.65
myc117.2	JAGZ01000007.1	23792	ref	30.69
myc117.2	JAGZ01000003.1	401753	ref	30.85
myc117.2	JAGZ01000013.1	27822	ref	32.00
myc117.2	JAGZ01000005.1	142239	ref	32.76
myc117.2	JAGZ01000018.1	19855	ref	34.78
myc117.2	JAGZ01000006.1	154552	ref	34.85
myc117.2	JAGZ01000001.1	105023	ref	47.22

**Cumulative Frequency
distribution distribution**

0	0
0	0
1	1
2	1
5	3
12	7
19	7
26	7
36	10
40	4
49	9
54	5
59	5
60	1
62	2
62	0
62	0
62	0
62	0
62	0
63	1
63	0

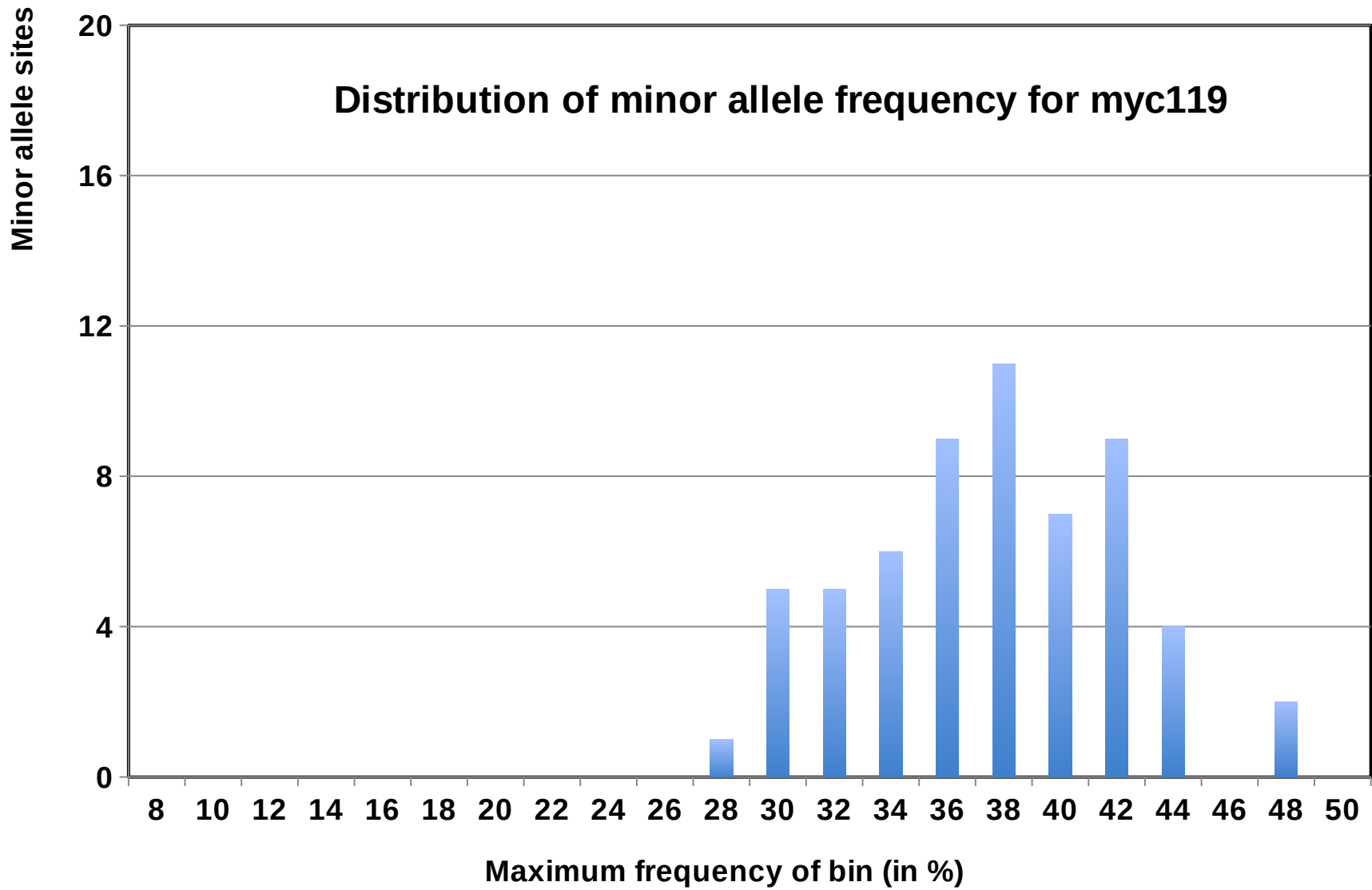


myc119		Position	Minor	Minor	Inclusive
Genotype	Reference	relative to	allele	allele fre-	mimumum
	contig ID	reference	relative to	quency (%)	frequency
			reference		of bin (%)
myc125.2	JAGZ01000004.1	233097	var	26.13	8
myc125.2	JAGZ01000003.1	170440	var	28.10	10
myc125.2	JAGZ01000005.1	332598	var	28.95	12
myc125.2	JAGZ01000013.1	27822	var	29.19	14
myc125.2	JAGZ01000015.1	27805	var	29.75	16
myc125.2	JAGZ01000011.1	24586	var	29.97	18
myc125.2	JAGZ01000020.1	24905	var	30.43	20
myc125.2	JAGZ01000003.1	401211	var	30.46	22
myc125.2	JAGZ01000001.1	888406	var	31.12	24
myc125.2	JAGZ01000001.1	105023	var	31.37	26
myc125.2	JAGZ01000005.1	142239	var	31.52	28
myc125.2	JAGZ01000008.1	129796	var	32.11	30
myc125.2	JAGZ01000004.1	306156	var	32.62	32
myc125.2	JAGZ01000018.1	19855	var	32.77	34
myc125.2	JAGZ01000019.1	44122	var	33.20	36
myc125.2	JAGZ01000009.1	14214	var	33.51	38
myc125.2	JAGZ01000004.1	246505	var	33.89	40
myc125.2	JAGZ01000003.1	465139	var	34.62	42
myc125.2	JAGZ01000003.1	275315	var	34.65	44
myc125.2	JAGZ01000003.1	99513	var	34.87	46
myc125.2	JAGZ01000001.1	272785	var	35.00	48
myc125.2	JAGZ01000006.1	171324	var	35.19	50
myc125.2	JAGZ01000003.1	74830	var	35.23	
myc125.2	JAGZ01000021.1	658	var	35.66	
myc125.2	JAGZ01000005.1	252568	var	35.78	
myc125.2	JAGZ01000004.1	289184	var	35.93	
myc125.2	JAGZ01000004.1	341811	var	36.07	
myc125.2	JAGZ01000013.1	43857	var	36.32	
myc125.2	JAGZ01000007.1	23792	var	36.49	
myc125.2	JAGZ01000001.1	181502	var	36.61	
myc125.2	JAGZ01000005.1	266955	var	36.67	
myc125.2	JAGZ01000003.1	117976	var	36.80	
myc125.2	JAGZ01000019.1	33978	var	36.84	
myc125.2	JAGZ01000004.1	228359	var	36.91	
myc125.2	JAGZ01000001.1	580	var	37.13	
myc125.2	JAGZ01000018.1	41279	var	37.37	
myc125.2	JAGZ01000012.1	67836	var	37.73	
myc125.2	JAGZ01000005.1	23126	var	38.06	

myc125.2	JAGZ01000001.1	847237	var	38.87
myc125.2	JAGZ01000015.1	42171	var	39.41
myc125.2	JAGZ01000002.1	493646	var	39.43
myc125.2	JAGZ01000003.1	333019	var	39.70
myc125.2	JAGZ01000007.1	106949	var	39.71
myc125.2	JAGZ01000003.1	537083	var	39.73
myc125.2	JAGZ01000001.1	105104	var	40.18
myc125.2	JAGZ01000013.1	103665	var	40.38
myc125.2	JAGZ01000005.1	255695	var	40.51
myc125.2	JAGZ01000003.1	401753	var	40.87
myc125.2	JAGZ01000011.1	31505	var	40.91
myc125.2	JAGZ01000002.1	498521	var	41.28
myc125.2	JAGZ01000014.1	12833	var	41.45
myc125.2	JAGZ01000012.1	78978	var	41.67
myc125.2	JAGZ01000005.1	128138	var	41.83
myc125.2	JAGZ01000007.1	208066	var	42.11
myc125.2	JAGZ01000006.1	68754	var	42.27
myc125.2	JAGZ01000009.1	83078	var	43.11
myc125.2	JAGZ01000007.1	24618	var	43.32
myc125.2	JAGZ01000004.1	35286	var	46.85
myc125.2	JAGZ01000002.1	501423	var	47.84
myc125.2	JAGZ01000002.1	576008	var	48.42
myc125.2	JAGZ01000010.1	151016	var	48.45
myc125.2	JAGZ01000002.1	165686	var	49.09

**Cumulative Frequency
distribution distribution**

0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
1	1
6	5
11	5
17	6
26	9
37	11
44	7
53	9
57	4
57	0
59	2
59	0

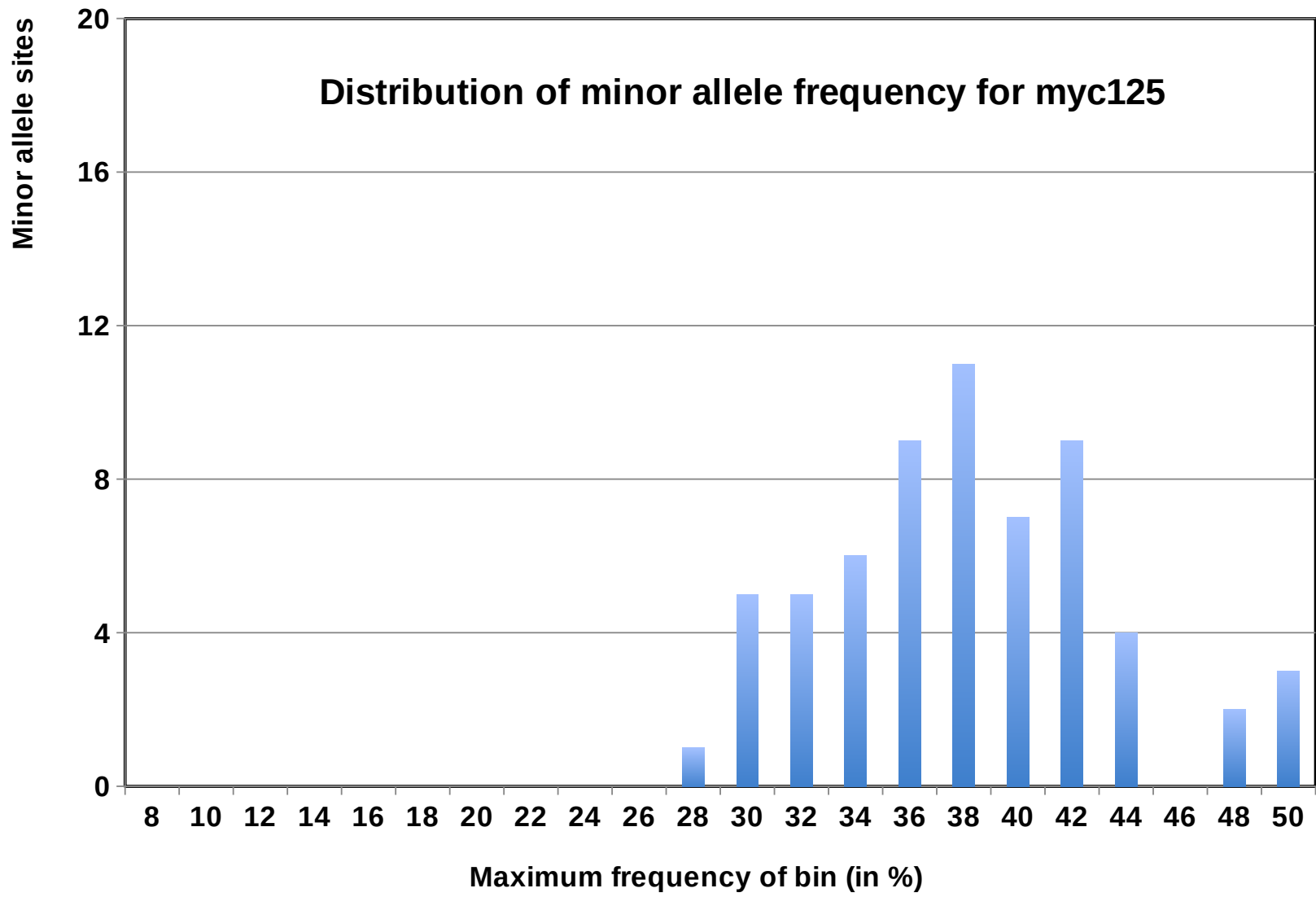


myc125			Minor		Inclusive
Genotype	Reference	Position	allele	Minor	mimimum
	contig ID	relative to	relative to	allele fre-	frequency
		reference	reference	quency (%)	of bin (%)
myc125.2	JAGZ01000004.1	233097	var	26.13	8
myc125.2	JAGZ01000003.1	170440	var	28.10	10
myc125.2	JAGZ01000005.1	332598	var	28.95	12
myc125.2	JAGZ01000013.1	27822	var	29.19	14
myc125.2	JAGZ01000015.1	27805	var	29.75	16
myc125.2	JAGZ01000011.1	24586	var	29.97	18
myc125.2	JAGZ01000020.1	24905	var	30.43	20
myc125.2	JAGZ01000003.1	401211	var	30.46	22
myc125.2	JAGZ01000001.1	888406	var	31.12	24
myc125.2	JAGZ01000001.1	105023	var	31.37	26
myc125.2	JAGZ01000005.1	142239	var	31.52	28
myc125.2	JAGZ01000008.1	129796	var	32.11	30
myc125.2	JAGZ01000004.1	306156	var	32.62	32
myc125.2	JAGZ01000018.1	19855	var	32.77	34
myc125.2	JAGZ01000019.1	44122	var	33.20	36
myc125.2	JAGZ01000009.1	14214	var	33.51	38
myc125.2	JAGZ01000004.1	246505	var	33.89	40
myc125.2	JAGZ01000003.1	465139	var	34.62	42
myc125.2	JAGZ01000003.1	275315	var	34.65	44
myc125.2	JAGZ01000003.1	99513	var	34.87	46
myc125.2	JAGZ01000001.1	272785	var	35.00	48
myc125.2	JAGZ01000006.1	171324	var	35.19	50
myc125.2	JAGZ01000003.1	74830	var	35.23	
myc125.2	JAGZ01000021.1	658	var	35.66	
myc125.2	JAGZ01000005.1	252568	var	35.78	
myc125.2	JAGZ01000004.1	289184	var	35.93	
myc125.2	JAGZ01000004.1	341811	var	36.07	
myc125.2	JAGZ01000013.1	43857	var	36.32	
myc125.2	JAGZ01000007.1	23792	var	36.49	
myc125.2	JAGZ01000001.1	181502	var	36.61	
myc125.2	JAGZ01000005.1	266955	var	36.67	
myc125.2	JAGZ01000003.1	117976	var	36.80	
myc125.2	JAGZ01000019.1	33978	var	36.84	
myc125.2	JAGZ01000004.1	228359	var	36.91	
myc125.2	JAGZ01000001.1	580	var	37.13	

myc125.2	JAGZ01000018.1	41279	var	37.37
myc125.2	JAGZ01000012.1	67836	var	37.73
myc125.2	JAGZ01000005.1	23126	var	38.06
myc125.2	JAGZ01000001.1	847237	var	38.87
myc125.2	JAGZ01000015.1	42171	var	39.41
myc125.2	JAGZ01000002.1	493646	var	39.43
myc125.2	JAGZ01000003.1	333019	var	39.70
myc125.2	JAGZ01000007.1	106949	var	39.71
myc125.2	JAGZ01000003.1	537083	var	39.73
myc125.2	JAGZ01000001.1	105104	var	40.18
myc125.2	JAGZ01000013.1	103665	var	40.38
myc125.2	JAGZ01000005.1	255695	var	40.51
myc125.2	JAGZ01000003.1	401753	var	40.87
myc125.2	JAGZ01000011.1	31505	var	40.91
myc125.2	JAGZ01000002.1	498521	var	41.28
myc125.2	JAGZ01000014.1	12833	var	41.45
myc125.2	JAGZ01000012.1	78978	var	41.67
myc125.2	JAGZ01000005.1	128138	var	41.83
myc125.2	JAGZ01000007.1	208066	var	42.11
myc125.2	JAGZ01000006.1	68754	var	42.27
myc125.2	JAGZ01000009.1	83078	var	43.11
myc125.2	JAGZ01000007.1	24618	var	43.32
myc125.2	JAGZ01000004.1	35286	var	46.85
myc125.2	JAGZ01000002.1	501423	var	47.84
myc125.2	JAGZ01000002.1	576008	var	48.42
myc125.2	JAGZ01000010.1	151016	var	48.45
myc125.2	JAGZ01000002.1	165686	var	49.09

**Cumulative Frequency
distribution distribution**

0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
1	1
6	5
11	5
17	6
26	9
37	11
44	7
53	9
57	4
57	0
59	2
62	3



myc127		Position	Minor	Minor	Inclusive
Genotype	Reference	relative to	allele	allele fre-	mimimum
	contig ID	reference	relative to	quency (%)	frequency
			reference		of bin (%)
myc127.2	JAGZ01000003.1	54070	ref	39.11	8
myc127.2	JAGZ01000013.1	72780	ref	41.10	10
myc127.2	JAGZ01000002.1	398974	var	41.24	12
myc127.2	JAGZ01000001.1	256581	ref	42.31	14
myc127.2	JAGZ01000010.1	45781	ref	44.24	16
myc127.2	JAGZ01000019.1	53551	var	44.36	18
myc127.2	JAGZ01000014.1	37679	ref	45.56	20
myc127.2	JAGZ01000019.1	53650	ref	45.65	22
myc127.2	JAGZ01000002.1	556386	ref	46.27	24
myc127.2	JAGZ01000013.1	60152	ref	46.47	26
myc127.2	JAGZ01000005.1	185812	ref	46.51	28
myc127.2	JAGZ01000008.1	132352	ref	46.75	30
myc127.2	JAGZ01000012.1	11629	ref	46.85	32
myc127.2	JAGZ01000003.1	91725	ref	47.22	34
myc127.2	JAGZ01000006.1	87181	ref	48.48	36
myc127.2	JAGZ01000005.1	134499	ref	48.62	38
myc127.2	JAGZ01000008.1	11400	ref	48.94	40
myc127.2	JAGZ01000001.1	788159	ref	48.99	42
myc127.2	JAGZ01000017.1	53105	ref	49.48	44
myc127.2	JAGZ01000004.1	398971	var	49.82	46
					48
					50

**Cumulative Frequency
distribution distribution**

0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
1	1
3	2
4	1
8	4
14	6
20	6

