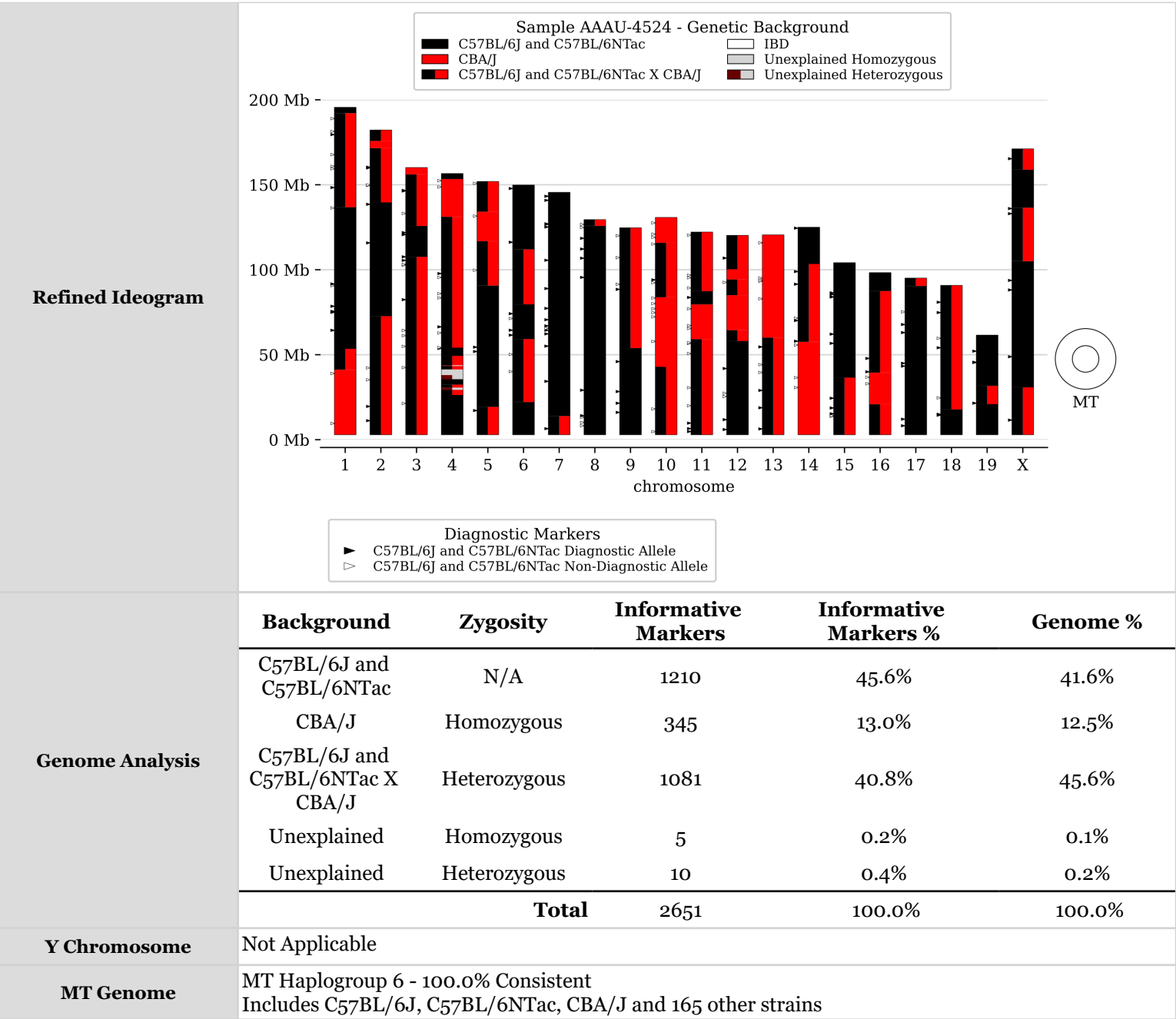


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[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	7	53	102	58.8%
	C57BL/6J, C57BL/6JRj	2	11	31	41.9%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	12	21	61.9%
	C57BL/6NRj, C57BL/6NTac	0	9	15	60.0%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	6	10	60.0%
	C57BL/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	2	2	100.0%
	129S5/SvEvBrd	0	1	5	20.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JolaHsd, C57BL/6JRj	0	1	2	50.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	0	1	1	100.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	0	1	5	20.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	1	2	50.0%
	C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JolaHsd, C57BL/6JRj	0	1	2	50.0%
	C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	1	1	100.0%
	C57BL/6NRj	0	1	10	10.0%
Minimal Strain Sets Explaining All Diagnostic Classes (Number of Markers Explained): <ul style="list-style-type: none">Solution 1: 129S5/SvEvBrd and C57BL/6J and C57BL/6NRj<ul style="list-style-type: none">C57BL/6J: 90 / 164 (54.9%)C57BL/6NRj: 20 / 40 (50.0%)129S5/SvEvBrd: 1 / 5 (20.0%)Solution 2: 129S5/SvEvBrd and C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 90 / 164 (54.9%)C57BL/6NRj: 20 / 40 (50.0%)129S5/SvEvBrd: 1 / 5 (20.0%)					
Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity	
1	3000000	41199760	CBA/J	Homozygous	
1	41199760	53457225	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
1	53457225	136798402	C57BL/6J and C57BL/6NTac	N/A	
1	136798402	192078159	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
1	192078159	195471971	C57BL/6J and C57BL/6NTac	N/A	
2	3000000	72629186	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
2	72629186	139631657	C57BL/6J and C57BL/6NTac	N/A	
2	139631657	171484731	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
2	171484731	175780822	CBA/J	Homozygous	

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Diplotype Intervals	2	175780822	182113224	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	3000000	107536398	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	107536398	125708355	C57BL/6J and C57BL/6NTac	N/A
	3	125708355	156090101	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	156090101	160039680	CBA/J	Homozygous
	4	3000000	26280383	C57BL/6J and C57BL/6NTac	N/A
	4	26280383	29346519	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	29346519	30650814	Unexplained	Heterozygous
	4	30650814	32327128	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	32327128	35563307	C57BL/6J and C57BL/6NTac	N/A
	4	35563307	37995481	Unexplained	Heterozygous
	4	37995481	41348396	Unexplained	Homozygous
	4	41348396	43372387	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	43372387	43819249	Unexplained	Heterozygous
	4	43819249	49280860	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	49280860	54114833	C57BL/6J and C57BL/6NTac	N/A
	4	54114833	131104093	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	131104093	153356388	CBA/J	Homozygous
	4	153356388	156508116	C57BL/6J and C57BL/6NTac	N/A
	5	3000000	19267794	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	19267794	90681879	C57BL/6J and C57BL/6NTac	N/A
	5	90681879	116795433	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	116795433	134172373	CBA/J	Homozygous
	5	134172373	151834684	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	3000000	22152593	C57BL/6J and C57BL/6NTac	N/A
	6	22152593	59156970	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	59156970	79701235	C57BL/6J and C57BL/6NTac	N/A
	6	79701235	111891908	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	111891908	149736546	C57BL/6J and C57BL/6NTac	N/A
	7	3000000	13838979	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	13838979	145441459	C57BL/6J and C57BL/6NTac	N/A

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	8	3000000	125832225	C57BL/6J and C57BL/6NTac	N/A
	8	125832225	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	3000000	53875687	C57BL/6J and C57BL/6NTac	N/A
	9	53875687	124595110	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	3000000	42858234	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	42858234	83779430	CBA/J	Homozygous
	10	83779430	115781736	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	115781736	130694993	CBA/J	Homozygous
	11	3000000	59127711	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	59127711	79617327	CBA/J	Homozygous
	11	79617327	87432699	C57BL/6J and C57BL/6NTac	N/A
	11	87432699	122082543	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	3000000	58069123	C57BL/6J and C57BL/6NTac	N/A
	12	58069123	64411355	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	64411355	85015902	CBA/J	Homozygous
	12	85015902	94246475	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	94246475	100284662	CBA/J	Homozygous
	12	100284662	120129022	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	3000000	60016573	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	60016573	120421639	CBA/J	Homozygous
	14	3000000	57544602	CBA/J	Homozygous
	14	57544602	103377147	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	103377147	124902244	C57BL/6J and C57BL/6NTac	N/A
	15	3000000	36473640	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	36473640	104043685	C57BL/6J and C57BL/6NTac	N/A
	16	3000000	20813513	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	20813513	39422954	CBA/J	Homozygous
	16	39422954	87403166	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	87403166	98207768	C57BL/6J and C57BL/6NTac	N/A
	17	3000000	90487634	C57BL/6J and C57BL/6NTac	N/A
	17	90487634	94987271	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	3000000	17841108	C57BL/6J and C57BL/6NTac	N/A

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	18	17841108	90702639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	3000000	20955280	C57BL/6J and C57BL/6NTac	N/A
	19	20955280	31636352	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	31636352	61431566	C57BL/6J and C57BL/6NTac	N/A
	X	3000000	30738124	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	30738124	105020820	C57BL/6J and C57BL/6NTac	N/A
	X	105020820	136441962	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	136441962	158871958	C57BL/6J and C57BL/6NTac	N/A
	X	158871958	171031299	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	MT	o	o	IBD	Hemizygous