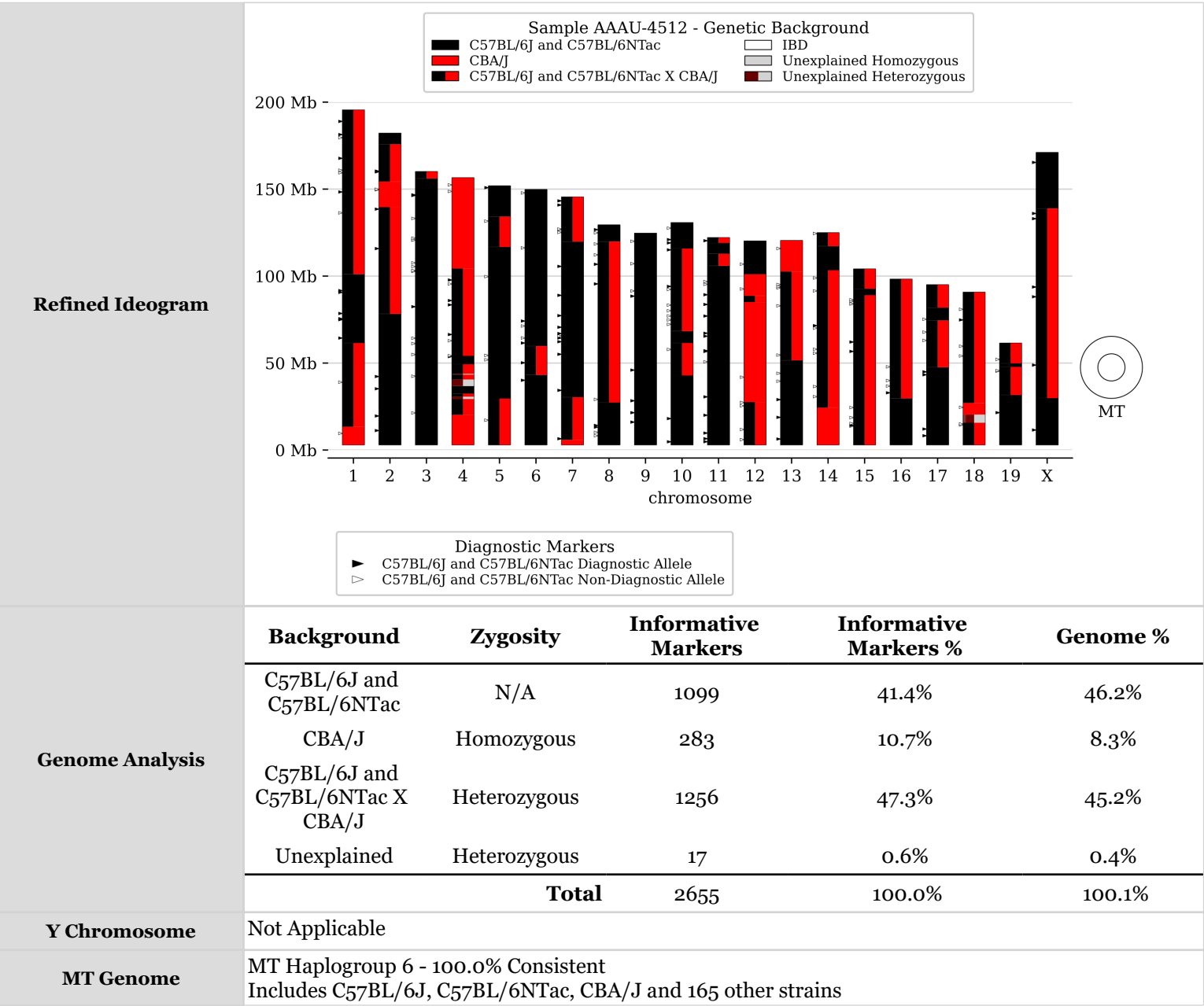


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[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	5	44	102	48.0%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	2	7	21	42.9%
	C57BL/6NRj, C57BL/6NTac	1	9	15	66.7%
	C57BL/6J, C57BL/6JRj	0	10	31	32.3%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	1	6	10	70.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	0	2	5	40.0%
	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/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	0	1	1	100.0%
	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/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JolaHsd, C57BL/6JRj	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: 73 / 163 (44.8%)C57BL/6NRj: 21 / 39 (53.8%)129S5/SvEvBrd: 1 / 5 (20.0%)Solution 2: 129S5/SvEvBrd and C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 73 / 163 (44.8%)C57BL/6NRj: 21 / 39 (53.8%)129S5/SvEvBrd: 1 / 5 (20.0%)					
Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity	
1	3000000	13365974	CBA/J	Homozygous	
1	13365974	61451021	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
1	61451021	101065154	C57BL/6J and C57BL/6NTac	N/A	
1	101065154	195471971	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
2	3000000	78267191	C57BL/6J and C57BL/6NTac	N/A	
2	78267191	139631657	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
2	139631657	154349372	CBA/J	Homozygous	
2	154349372	175780822	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous	
2	175780822	182113224	C57BL/6J and C57BL/6NTac	N/A	
3	3000000	156090101	C57BL/6J and C57BL/6NTac	N/A	

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Diplotype Intervals	3	156090101	160039680	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	30000000	20258658	CBA/J	Homozygous
	4	20258658	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	36784495	C57BL/6J and C57BL/6NTac	N/A
	4	36784495	40531709	Unexplained	Heterozygous
	4	40531709	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	104362509	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	104362509	156508116	CBA/J	Homozygous
	5	30000000	29588943	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	29588943	116795433	C57BL/6J and C57BL/6NTac	N/A
	5	116795433	134172373	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	134172373	151834684	C57BL/6J and C57BL/6NTac	N/A
	6	30000000	43184432	C57BL/6J and C57BL/6NTac	N/A
	6	43184432	59791688	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	59791688	149736546	C57BL/6J and C57BL/6NTac	N/A
	7	30000000	5883284	CBA/J	Homozygous
	7	5883284	30335112	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	30335112	119823617	C57BL/6J and C57BL/6NTac	N/A
	7	119823617	145441459	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	8	30000000	27348459	C57BL/6J and C57BL/6NTac	N/A
	8	27348459	119835722	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	8	119835722	129401213	C57BL/6J and C57BL/6NTac	N/A
	9	30000000	124595110	C57BL/6J and C57BL/6NTac	N/A
	10	30000000	42858234	C57BL/6J and C57BL/6NTac	N/A
	10	42858234	61450853	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	61450853	68332199	C57BL/6J and C57BL/6NTac	N/A

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	10	68332199	115781736	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	115781736	130694993	C57BL/6J and C57BL/6NTac	N/A
	11	30000000	105886229	C57BL/6J and C57BL/6NTac	N/A
	11	105886229	112771442	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	112771442	119038285	C57BL/6J and C57BL/6NTac	N/A
	11	119038285	122082543	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	30000000	27585493	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	27585493	85015902	CBA/J	Homozygous
	12	85015902	88650858	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	88650858	101027932	CBA/J	Homozygous
	12	101027932	120129022	C57BL/6J and C57BL/6NTac	N/A
	13	30000000	51605798	C57BL/6J and C57BL/6NTac	N/A
	13	51605798	102595519	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	102595519	120421639	CBA/J	Homozygous
	14	30000000	24355636	CBA/J	Homozygous
	14	24355636	103377147	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	103377147	117206934	C57BL/6J and C57BL/6NTac	N/A
	14	117206934	124902244	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	30000000	89025824	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	89025824	92737752	C57BL/6J and C57BL/6NTac	N/A
	15	92737752	104043685	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	30000000	29701002	C57BL/6J and C57BL/6NTac	N/A
	16	29701002	98207768	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	30000000	47545390	C57BL/6J and C57BL/6NTac	N/A
	17	47545390	74502727	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	74502727	81881415	C57BL/6J and C57BL/6NTac	N/A
	17	81881415	94987271	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	30000000	15685654	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	15685654	20363699	Unexplained	Heterozygous
	18	20363699	27036500	CBA/J	Homozygous
	18	27036500	90702639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

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	19	30000000	31636352	C57BL/6J and C57BL/6NTac	N/A
	19	31636352	47746251	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	47746251	49870985	C57BL/6J and C57BL/6NTac	N/A
	19	49870985	61431566	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	30000000	29836043	C57BL/6J and C57BL/6NTac	N/A
	X	29836043	138881041	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	138881041	171031299	C57BL/6J and C57BL/6NTac	N/A
	MT	o	o	IBD	Hemizygous