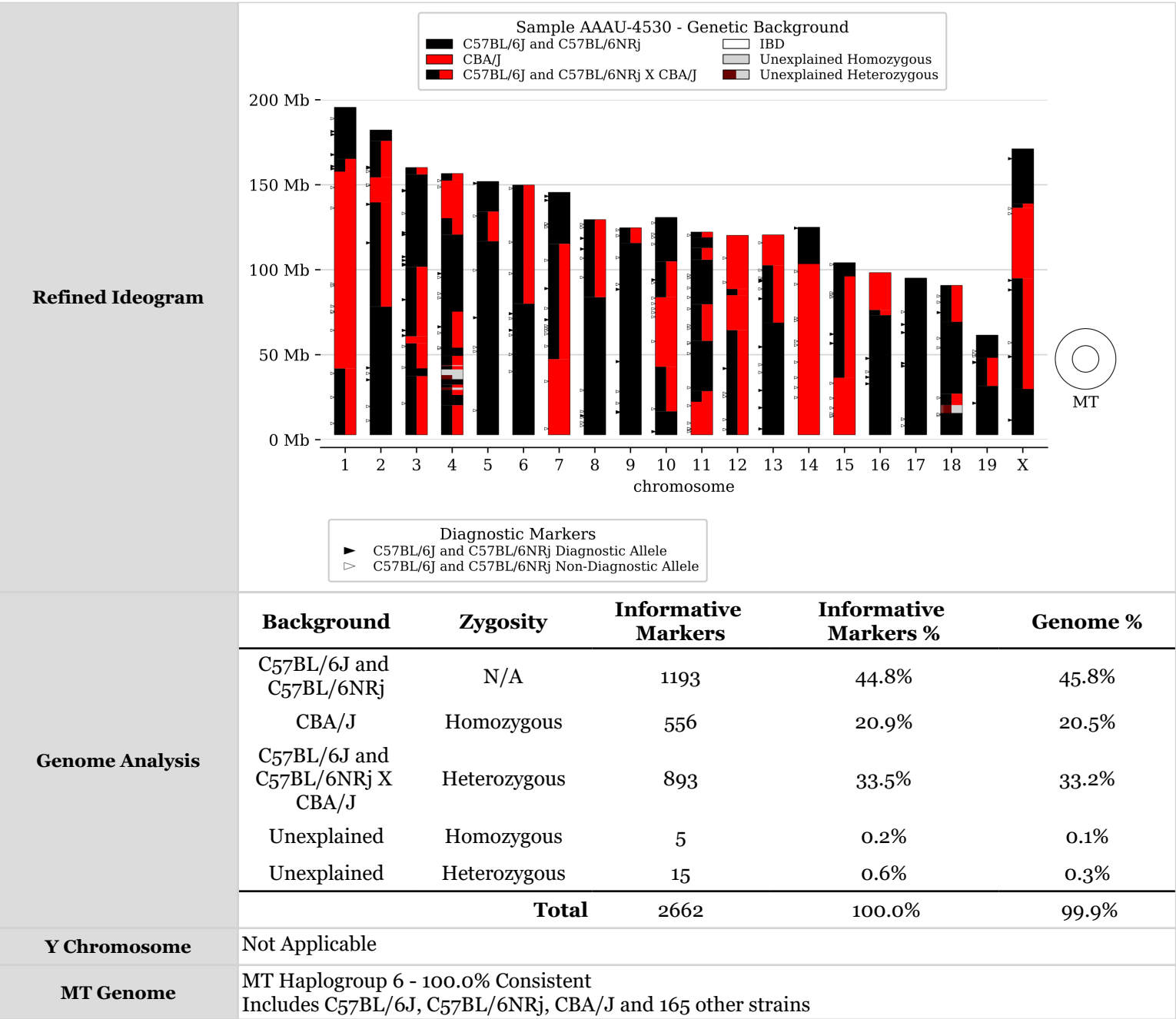


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[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	3	30	102	32.4%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	5	3	21	38.1%
	C57BL/6NRj, C57BL/6NTac	2	8	15	66.7%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	3	1	10	40.0%
	C57BL/6J, C57BL/6JRj	0	6	31	19.4%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	1	0	2	50.0%
	C57BL/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	2	2	100.0%
	C57BL/6NRj	0	2	10	20.0%
	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%
	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%
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: 49 / 157 (31.2%)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: 49 / 157 (31.2%)C57BL/6NRj: 20 / 40 (50.0%)129S5/SvEvBrd: 1 / 5 (20.0%)					
Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity	
1	3000000	41869819	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous	
1	41869819	157713559	CBA/J	Homozygous	
1	157713559	165183608	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous	
1	165183608	195471971	C57BL/6J and C57BL/6NRj	N/A	
2	3000000	78267191	C57BL/6J and C57BL/6NRj	N/A	
2	78267191	139631657	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous	
2	139631657	154349372	CBA/J	Homozygous	
2	154349372	175780822	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous	
2	175780822	182113224	C57BL/6J and C57BL/6NRj	N/A	
3	3000000	37371933	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous	
3	37371933	41975127	C57BL/6J and C57BL/6NRj	N/A	

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Diplotype Intervals	3	41975127	56655047	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	3	56655047	60850190	CBA/J	Homozygous
	3	60850190	101716043	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	3	101716043	156090101	C57BL/6J and C57BL/6NRj	N/A
	3	156090101	160039680	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	30000000	20258658	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	20258658	26280383	C57BL/6J and C57BL/6NRj	N/A
	4	26280383	29346519	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	29346519	30650814	Unexplained	Heterozygous
	4	30650814	32327128	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	32327128	35563307	C57BL/6J and C57BL/6NRj	N/A
	4	35563307	37995481	Unexplained	Heterozygous
	4	37995481	41348396	Unexplained	Homozygous
	4	41348396	43372387	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	43372387	43819249	Unexplained	Heterozygous
	4	43819249	49280860	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	49280860	54114833	C57BL/6J and C57BL/6NRj	N/A
	4	54114833	75318594	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	75318594	120738488	C57BL/6J and C57BL/6NRj	N/A
	4	120738488	130336992	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	4	130336992	152440879	CBA/J	Homozygous
	4	152440879	156508116	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	5	30000000	116795433	C57BL/6J and C57BL/6NRj	N/A
	5	116795433	134172373	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	5	134172373	151834684	C57BL/6J and C57BL/6NRj	N/A
	6	30000000	80057017	C57BL/6J and C57BL/6NRj	N/A
	6	80057017	149736546	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	7	30000000	47395440	CBA/J	Homozygous
	7	47395440	115227247	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	7	115227247	145441459	C57BL/6J and C57BL/6NRj	N/A
	8	30000000	83842204	C57BL/6J and C57BL/6NRj	N/A

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	8	83842204	129401213	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	9	3000000	115715944	C57BL/6J and C57BL/6NRj	N/A
	9	115715944	124595110	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	10	3000000	16704298	C57BL/6J and C57BL/6NRj	N/A
	10	16704298	42917049	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	10	42917049	83779430	CBA/J	Homozygous
	10	83779430	104861956	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	10	104861956	130694993	C57BL/6J and C57BL/6NRj	N/A
	11	3000000	22302070	CBA/J	Homozygous
	11	22302070	28525615	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	11	28525615	58168384	C57BL/6J and C57BL/6NRj	N/A
	11	58168384	79617327	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	11	79617327	105886229	C57BL/6J and C57BL/6NRj	N/A
	11	105886229	112771442	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	11	112771442	119038285	C57BL/6J and C57BL/6NRj	N/A
	11	119038285	122082543	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	12	3000000	64411355	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	12	64411355	85015902	CBA/J	Homozygous
	12	85015902	88650858	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	12	88650858	120129022	CBA/J	Homozygous
	13	3000000	68886272	C57BL/6J and C57BL/6NRj	N/A
	13	68886272	102595519	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	13	102595519	120421639	CBA/J	Homozygous
	14	3000000	103377147	CBA/J	Homozygous
	14	103377147	124902244	C57BL/6J and C57BL/6NRj	N/A
	15	3000000	36473640	CBA/J	Homozygous
	15	36473640	96089091	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	15	96089091	104043685	C57BL/6J and C57BL/6NRj	N/A
	16	3000000	73280590	C57BL/6J and C57BL/6NRj	N/A
	16	73280590	76315797	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	16	76315797	98207768	CBA/J	Homozygous
	17	3000000	94987271	C57BL/6J and C57BL/6NRj	N/A

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	18	3000000	15685654	C57BL/6J and C57BL/6NRj	N/A
	18	15685654	20363699	Unexplained	Heterozygous
	18	20363699	27036500	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	18	27036500	69337106	C57BL/6J and C57BL/6NRj	N/A
	18	69337106	90702639	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	19	3000000	31636352	C57BL/6J and C57BL/6NRj	N/A
	19	31636352	48128956	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	19	48128956	61431566	C57BL/6J and C57BL/6NRj	N/A
	X	3000000	29836043	C57BL/6J and C57BL/6NRj	N/A
	X	29836043	94918419	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	X	94918419	136441962	CBA/J	Homozygous
	X	136441962	138881041	C57BL/6J and C57BL/6NRj and CBA/J	Heterozygous
	X	138881041	171031299	C57BL/6J and C57BL/6NRj	N/A
	MT	o	o	IBD	Hemizygous