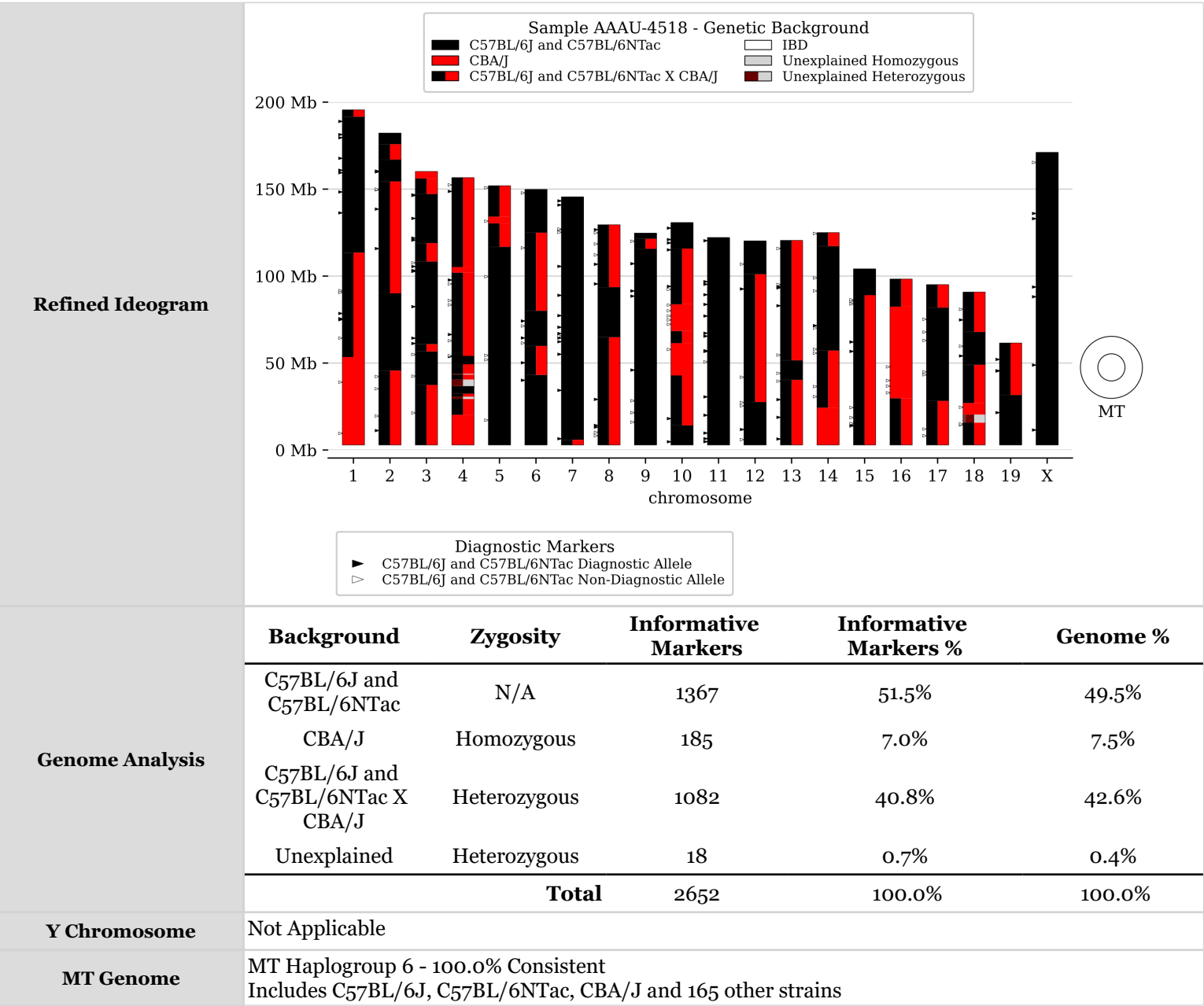


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[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed			
	Diagnostic Class	Homozygous	Heterozygous	Potential % Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	4	54	102 56.9%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	10	21 52.4%
	C57BL/6J, C57BL/6JRj	1	10	31 35.5%
	C57BL/6NRj, C57BL/6NTac	1	8	15 60.0%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	2	4	10 60.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	0	2	5 40.0%
	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/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JolaHsd, C57BL/6JRj	0	1	1 100.0%
	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: 85 / 163 (52.1%)C57BL/6NRj: 21 / 40 (52.5%)129S5/SvEvBrd: 1 / 5 (20.0%)Solution 2: 129S5/SvEvBrd and C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 85 / 163 (52.1%)C57BL/6NRj: 21 / 40 (52.5%)129S5/SvEvBrd: 1 / 5 (20.0%)				
Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
1	30000000	53457225	CBA/J	Homozygous
1	53457225	113437009	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
1	113437009	191629867	C57BL/6J and C57BL/6NTac	N/A
1	191629867	195471971	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
2	30000000	45666278	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
2	45666278	90144439	C57BL/6J and C57BL/6NTac	N/A
2	90144439	154349372	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
2	154349372	166963888	C57BL/6J and C57BL/6NTac	N/A
2	166963888	175780822	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

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Diplotype Intervals	2	175780822	182113224	C57BL/6J and C57BL/6NTac	N/A
	3	3000000	37371933	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	37371933	56655047	C57BL/6J and C57BL/6NTac	N/A
	3	56655047	60850190	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	60850190	108381941	C57BL/6J and C57BL/6NTac	N/A
	3	108381941	118919242	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	118919242	147169673	C57BL/6J and C57BL/6NTac	N/A
	3	147169673	156090101	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	156090101	160039680	CBA/J	Homozygous
	4	3000000	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	101914190	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	101914190	105177765	CBA/J	Homozygous
	4	105177765	156508116	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	3000000	116795433	C57BL/6J and C57BL/6NTac	N/A
	5	116795433	130280923	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	130280923	134172373	CBA/J	Homozygous
	5	134172373	151834684	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	3000000	43184432	C57BL/6J and C57BL/6NTac	N/A
	6	43184432	59791688	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	59791688	80057017	C57BL/6J and C57BL/6NTac	N/A
	6	80057017	124881471	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	124881471	149736546	C57BL/6J and C57BL/6NTac	N/A

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	7	3000000	5883380	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	5883380	145441459	C57BL/6J and C57BL/6NTac	N/A
	8	3000000	64818329	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	8	64818329	93626178	C57BL/6J and C57BL/6NTac	N/A
	8	93626178	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	3000000	115715944	C57BL/6J and C57BL/6NTac	N/A
	9	115715944	121366889	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	121366889	124595110	C57BL/6J and C57BL/6NTac	N/A
	10	3000000	14185354	C57BL/6J and C57BL/6NTac	N/A
	10	14185354	42858234	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	42858234	61450853	CBA/J	Homozygous
	10	61450853	68332199	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	68332199	83779430	CBA/J	Homozygous
	10	83779430	115781736	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	115781736	130694993	C57BL/6J and C57BL/6NTac	N/A
	11	3000000	122082543	C57BL/6J and C57BL/6NTac	N/A
	12	3000000	27585493	C57BL/6J and C57BL/6NTac	N/A
	12	27585493	101027932	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	101027932	120129022	C57BL/6J and C57BL/6NTac	N/A
	13	3000000	40278277	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	40278277	51605798	C57BL/6J and C57BL/6NTac	N/A
	13	51605798	120421639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	3000000	24355636	CBA/J	Homozygous
	14	24355636	57122837	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	57122837	117206934	C57BL/6J and C57BL/6NTac	N/A
	14	117206934	124902244	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	3000000	89025824	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	89025824	104043685	C57BL/6J and C57BL/6NTac	N/A
	16	3000000	29701002	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	29701002	82429429	CBA/J	Homozygous

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	16	82429429	98207768	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	30000000	28225412	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	28225412	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	48930428	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	48930428	67937187	C57BL/6J and C57BL/6NTac	N/A
	18	67937187	90702639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	30000000	31636352	C57BL/6J and C57BL/6NTac	N/A
	19	31636352	61431566	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	30000000	171031299	C57BL/6J and C57BL/6NTac	N/A
	MT	o	o	IBD	Hemizygous