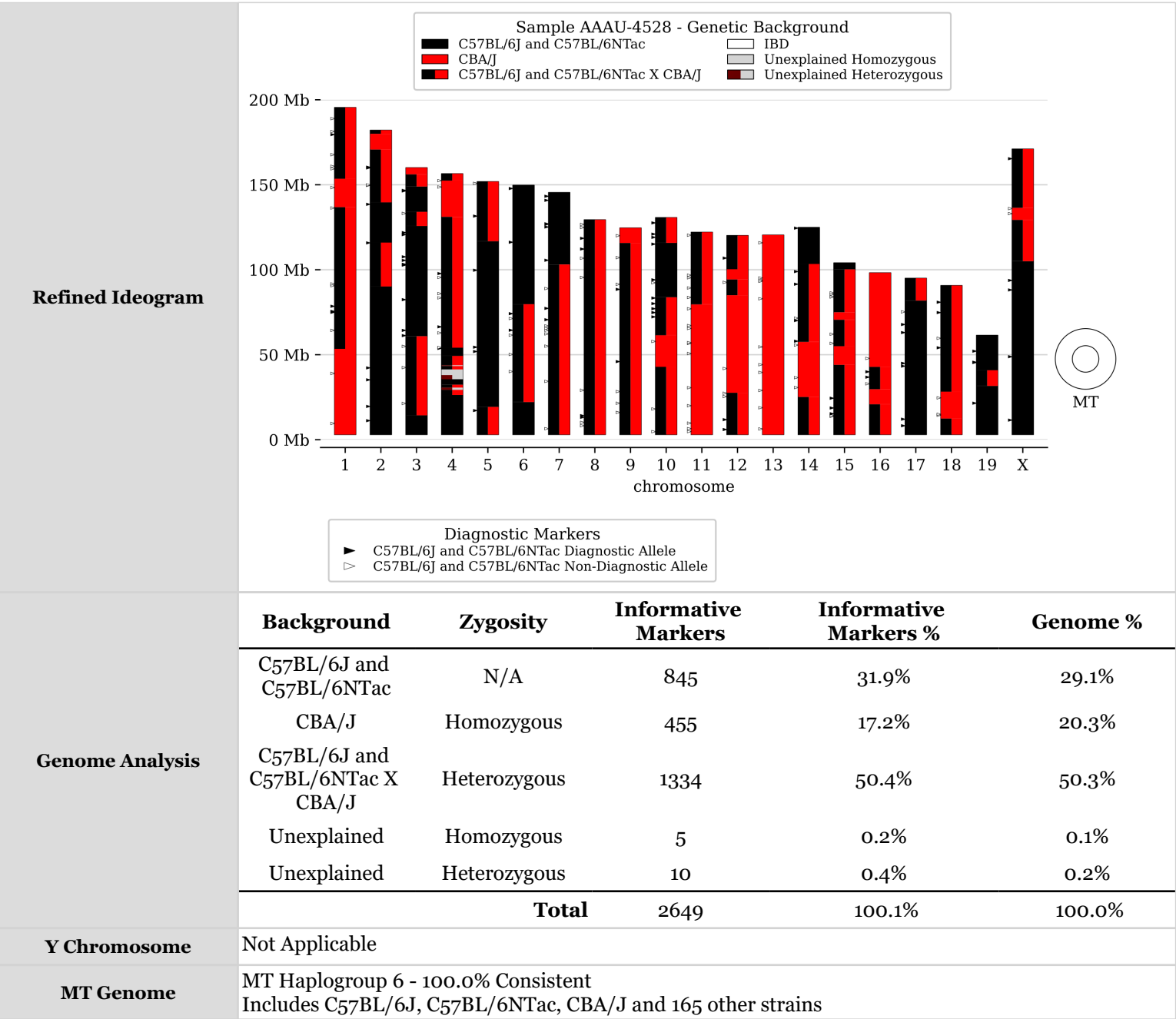


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[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	7	45	102	51.0%
	C57BL/6J, C57BL/6JRj	1	10	31	35.5%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	8	21	42.9%
	C57BL/6NRj, C57BL/6NTac	0	6	15	40.0%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	4	10	40.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	0	3	5	60.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JolaHsd, C57BL/6JRj	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/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	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: 78 / 162 (48.1%)C57BL/6NRj: 14 / 40 (35.0%)129S5/SvEvBrd: 1 / 5 (20.0%)Solution 2: 129S5/SvEvBrd and C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 78 / 162 (48.1%)C57BL/6NRj: 14 / 40 (35.0%)129S5/SvEvBrd: 1 / 5 (20.0%)					
	Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
	1	3000000	53457225	CBA/J	Homozygous
	1	53457225	136798402	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	136798402	153548642	CBA/J	Homozygous
	1	153548642	195471971	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	3000000	90144439	C57BL/6J and C57BL/6NTac	N/A
	2	90144439	115970567	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	115970567	139631657	C57BL/6J and C57BL/6NTac	N/A
	2	139631657	170694096	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	170694096	179996376	CBA/J	Homozygous
	2	179996376	182113224	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

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Diplotype Intervals	3	3000000	14328941	C57BL/6J and C57BL/6NTac	N/A
	3	14328941	60850190	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	60850190	125708355	C57BL/6J and C57BL/6NTac	N/A
	3	125708355	134049530	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	134049530	148967944	C57BL/6J and C57BL/6NTac	N/A
	3	148967944	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	152440879	CBA/J	Homozygous
	4	152440879	156508116	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	3000000	19267794	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	19267794	116795433	C57BL/6J and C57BL/6NTac	N/A
	5	116795433	151834684	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	3000000	22152593	C57BL/6J and C57BL/6NTac	N/A
	6	22152593	79701235	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	79701235	149736546	C57BL/6J and C57BL/6NTac	N/A
	7	3000000	103084424	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	103084424	145441459	C57BL/6J and C57BL/6NTac	N/A
	8	3000000	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	3000000	115715944	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

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	9	115715944	124595110	CBA/J	Homozygous
	10	3000000	42858234	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	42858234	61450853	CBA/J	Homozygous
	10	61450853	83779430	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	83779430	115781736	C57BL/6J and C57BL/6NTac	N/A
	10	115781736	130694993	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	3000000	79617327	CBA/J	Homozygous
	11	79617327	122082543	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	3000000	27585493	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	27585493	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	120421639	CBA/J	Homozygous
	14	3000000	25112834	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	25112834	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	44010563	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	44010563	55016741	CBA/J	Homozygous
	15	55016741	70554147	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	70554147	74996398	CBA/J	Homozygous
	15	74996398	100173036	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	100173036	104043685	C57BL/6J and C57BL/6NTac	N/A
	16	3000000	20813513	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	20813513	29701002	CBA/J	Homozygous
	16	29701002	42816746	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	42816746	98207768	CBA/J	Homozygous
	17	3000000	81881415	C57BL/6J and C57BL/6NTac	N/A
	17	81881415	94987271	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	3000000	12406382	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	12406382	28258011	CBA/J	Homozygous
	18	28258011	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	40841805	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	40841805	61431566	C57BL/6J and C57BL/6NTac	N/A
	X	30000000	105020820	C57BL/6J and C57BL/6NTac	N/A
	X	105020820	129295190	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	129295190	136441962	CBA/J	Homozygous
	X	136441962	171031299	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	MT	0	0	IBD	Hemizygous