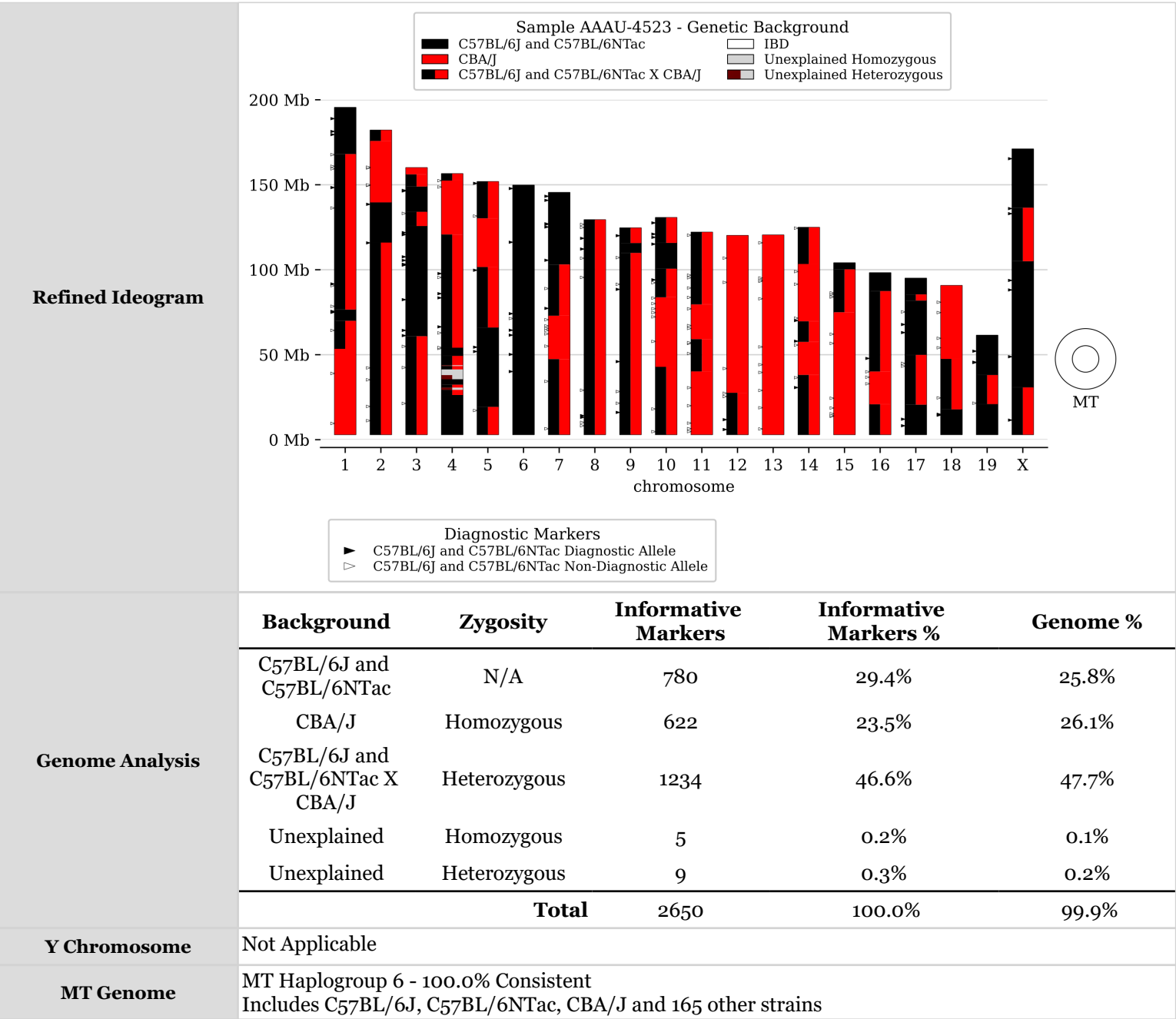


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[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed			
	Diagnostic Class	Homozygous	Heterozygous	Potential % Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	7	37	102 43.1%
	C57BL/6J, C57BL/6JRj	0	9	31 29.0%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	6	21 33.3%
	C57BL/6NRj, C57BL/6NTac	0	8	15 53.3%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	5	10 50.0%
	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/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	1	1 100.0%
	Minimal Strain Sets Explaining All Diagnostic Classes (Number of Markers Explained):			
	• Solution 1: 129S5/SvEvBrd and C57BL/6J and C57BL/6NTac			
	◦ C57BL/6J: 63 / 162 (38.9%)			
	◦ C57BL/6NTac: 15 / 28 (53.6%)			
	◦ 129S5/SvEvBrd: 1 / 5 (20.0%)			
	• Solution 2: 129S5/SvEvBrd and C57BL/6J and C57BL/6NRj			
	◦ C57BL/6J: 63 / 162 (38.9%)			
	◦ C57BL/6NRj: 15 / 28 (53.6%)			
	◦ 129S5/SvEvBrd: 1 / 5 (20.0%)			
	• Solution 3: 129S5/SvEvBrd and C57BL/6JRj and C57BL/6NTac			
	◦ C57BL/6JRj: 63 / 162 (38.9%)			
	◦ C57BL/6NTac: 15 / 28 (53.6%)			
	◦ 129S5/SvEvBrd: 1 / 5 (20.0%)			
	• Solution 4: 129S5/SvEvBrd and C57BL/6JRj and C57BL/6NRj			
	◦ C57BL/6JRj: 63 / 162 (38.9%)			
	◦ C57BL/6NRj: 15 / 28 (53.6%)			
	◦ 129S5/SvEvBrd: 1 / 5 (20.0%)			
	Chromosome	Start (Mb)	Stop (Mb)	Background Zygosity
	1	3000000	53457225	CBA/J Homozygous
	1	53457225	69902379	C57BL/6J and C57BL/6NTac and CBA/J Heterozygous
	1	69902379	76560865	C57BL/6J and C57BL/6NTac N/A
	1	76560865	168019536	C57BL/6J and C57BL/6NTac and CBA/J Heterozygous
	1	168019536	195471971	C57BL/6J and C57BL/6NTac N/A
	2	3000000	115970567	C57BL/6J and C57BL/6NTac and CBA/J Heterozygous
	2	115970567	139631657	C57BL/6J and C57BL/6NTac N/A
	2	139631657	175780822	CBA/J Homozygous

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Diplotype Intervals	2	175780822	182113224	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	3000000	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	120738488	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	120738488	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	66015308	C57BL/6J and C57BL/6NTac	N/A
	5	66015308	101581477	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	101581477	130280923	CBA/J	Homozygous
	5	130280923	151834684	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	3000000	149736546	C57BL/6J and C57BL/6NTac	N/A
	7	3000000	47395440	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	47395440	72944748	CBA/J	Homozygous
	7	72944748	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

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	9	3000000	109855467	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	109855467	115715944	C57BL/6J and C57BL/6NTac	N/A
	9	115715944	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	100561092	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	100561092	115781736	C57BL/6J and C57BL/6NTac	N/A
	10	115781736	130694993	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	3000000	40167984	CBA/J	Homozygous
	11	40167984	59127711	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	59127711	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	120129022	CBA/J	Homozygous
	13	3000000	120421639	CBA/J	Homozygous
	14	3000000	38092288	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	38092288	57544602	CBA/J	Homozygous
	14	57544602	69660428	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	69660428	103377147	CBA/J	Homozygous
	14	103377147	124902244	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	3000000	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	40129985	CBA/J	Homozygous
	16	40129985	87403166	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	87403166	98207768	C57BL/6J and C57BL/6NTac	N/A
	17	3000000	20616647	C57BL/6J and C57BL/6NTac	N/A
	17	20616647	49885651	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	49885651	81881415	C57BL/6J and C57BL/6NTac	N/A
	17	81881415	85452043	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	85452043	94987271	C57BL/6J and C57BL/6NTac	N/A

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	18	3000000	17841108	C57BL/6J and C57BL/6NTac	N/A
	18	17841108	47501656	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	47501656	90702639	CBA/J	Homozygous
	19	3000000	20955280	C57BL/6J and C57BL/6NTac	N/A
	19	20955280	38025239	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	38025239	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	171031299	C57BL/6J and C57BL/6NTac	N/A
	MT	o	o	IBD	Hemizygous