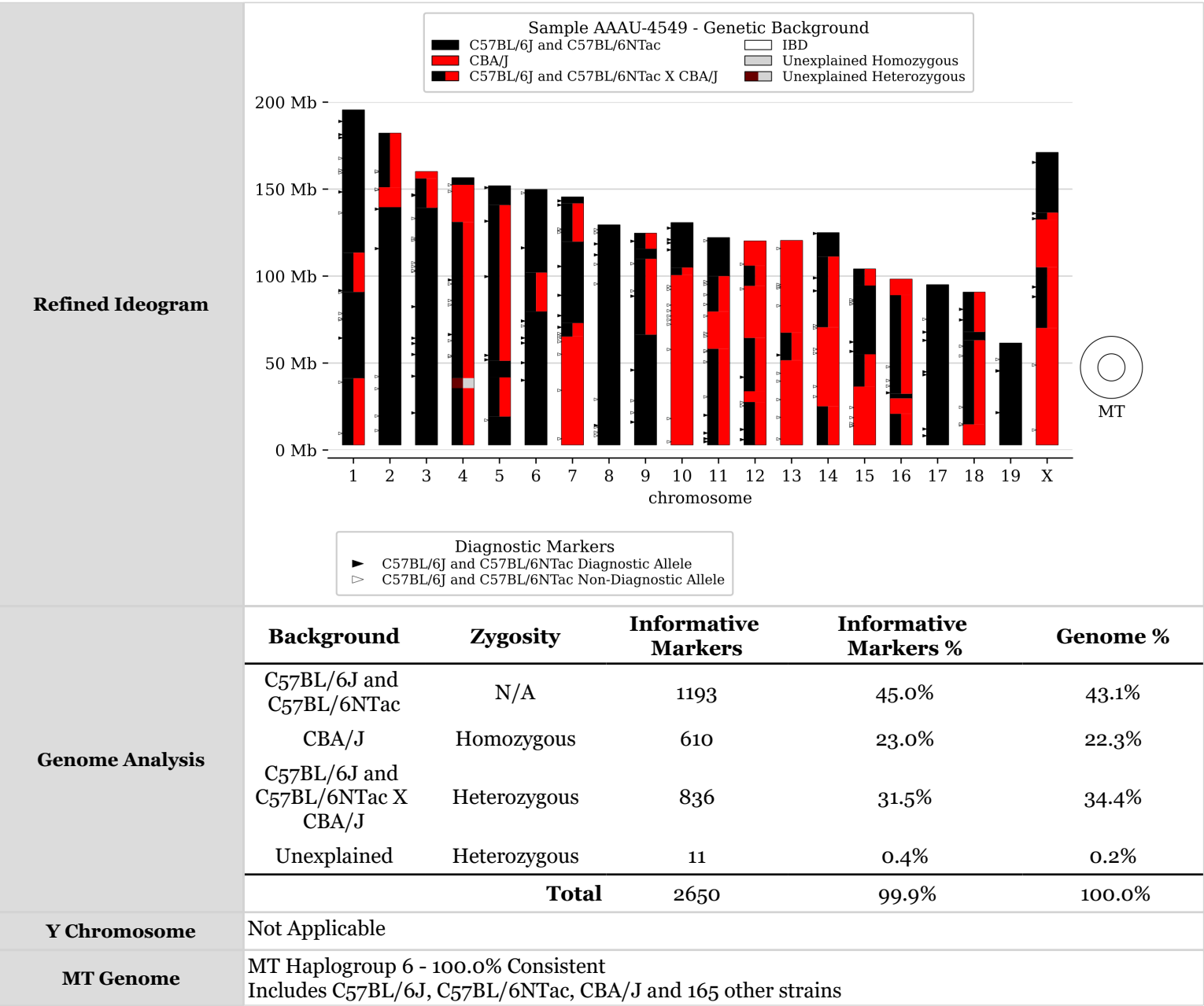


# MiniMUGA Background Analysis v2.3.1

[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	31	102	35.3%
	C57BL/6NRj, C57BL/6NTac	3	8	15	73.3%
	C57BL/6J, C57BL/6JRj	4	4	31	25.8%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	4	2	10	60.0%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	7	21	38.1%
	C57BL/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	2	2	100.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JlaHsd, 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%
<b>Minimal Strain Sets Explaining All Diagnostic Classes (Number of Markers Explained):</b>					
<ul style="list-style-type: none"><li>Solution 1: C57BL/6J and C57BL/6NRj<ul style="list-style-type: none"><li>C57BL/6J: 55 / 162 (34.0%)</li><li>C57BL/6NRj: 22 / 40 (55.0%)</li></ul></li><li>Solution 2: C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none"><li>C57BL/6JRj: 55 / 162 (34.0%)</li><li>C57BL/6NRj: 22 / 40 (55.0%)</li></ul></li></ul>					
	Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
	1	3000000	41199760	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	41199760	90903197	C57BL/6J and C57BL/6NTac	N/A
	1	90903197	113437009	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	113437009	195471971	C57BL/6J and C57BL/6NTac	N/A
	2	3000000	139631657	C57BL/6J and C57BL/6NTac	N/A
	2	139631657	151062687	CBA/J	Homozygous
	2	151062687	182113224	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	3000000	139297311	C57BL/6J and C57BL/6NTac	N/A
	3	139297311	156090101	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	156090101	160039680	CBA/J	Homozygous
	4	3000000	35563307	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	35563307	41348396	Unexplained	Heterozygous

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Diplotype Intervals	4	41348396	131104093	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	131104093	152440879	CBA/J	Homozygous
	4	152440879	156508116	C57BL/6J and C57BL/6NTac	N/A
	5	30000000	19267794	C57BL/6J and C57BL/6NTac	N/A
	5	19267794	41755530	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	41755530	51299144	C57BL/6J and C57BL/6NTac	N/A
	5	51299144	140780463	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	140780463	151834684	C57BL/6J and C57BL/6NTac	N/A
	6	30000000	79701235	C57BL/6J and C57BL/6NTac	N/A
	6	79701235	101966063	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	101966063	149736546	C57BL/6J and C57BL/6NTac	N/A
	7	30000000	65214761	CBA/J	Homozygous
	7	65214761	72944748	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	72944748	119823617	C57BL/6J and C57BL/6NTac	N/A
	7	119823617	141750158	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	141750158	145441459	C57BL/6J and C57BL/6NTac	N/A
	8	30000000	129401213	C57BL/6J and C57BL/6NTac	N/A
	9	30000000	66341356	C57BL/6J and C57BL/6NTac	N/A
	9	66341356	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	30000000	100561092	CBA/J	Homozygous
	10	100561092	104861956	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	104861956	130694993	C57BL/6J and C57BL/6NTac	N/A
	11	30000000	58168384	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	58168384	79617327	CBA/J	Homozygous
	11	79617327	99943553	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	99943553	122082543	C57BL/6J and C57BL/6NTac	N/A
	12	30000000	27585493	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	27585493	33782811	CBA/J	Homozygous
	12	33782811	64411355	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

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	12	64411355	94371165	CBA/J	Homozygous
	12	94371165	105994851	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	105994851	120129022	CBA/J	Homozygous
	13	30000000	51605798	CBA/J	Homozygous
	13	51605798	67442927	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	67442927	120421639	CBA/J	Homozygous
	14	30000000	25112834	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	25112834	70580779	CBA/J	Homozygous
	14	70580779	111185375	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	111185375	124902244	C57BL/6J and C57BL/6NTac	N/A
	15	30000000	36473640	CBA/J	Homozygous
	15	36473640	55016741	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	55016741	94556557	C57BL/6J and C57BL/6NTac	N/A
	15	94556557	104043685	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	30000000	20813513	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	20813513	29701002	CBA/J	Homozygous
	16	29701002	32364421	C57BL/6J and C57BL/6NTac	N/A
	16	32364421	89037512	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	89037512	98207768	CBA/J	Homozygous
	17	30000000	94987271	C57BL/6J and C57BL/6NTac	N/A
	18	30000000	14753212	CBA/J	Homozygous
	18	14753212	63069205	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	63069205	67937187	C57BL/6J and C57BL/6NTac	N/A
	18	67937187	90702639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	30000000	61431566	C57BL/6J and C57BL/6NTac	N/A
	X	30000000	70193631	CBA/J	Homozygous
	X	70193631	105020820	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	105020820	132528229	CBA/J	Homozygous
	X	132528229	136441962	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	136441962	171031299	C57BL/6J and C57BL/6NTac	N/A
	MT	0	0	IBD	Hemizygous