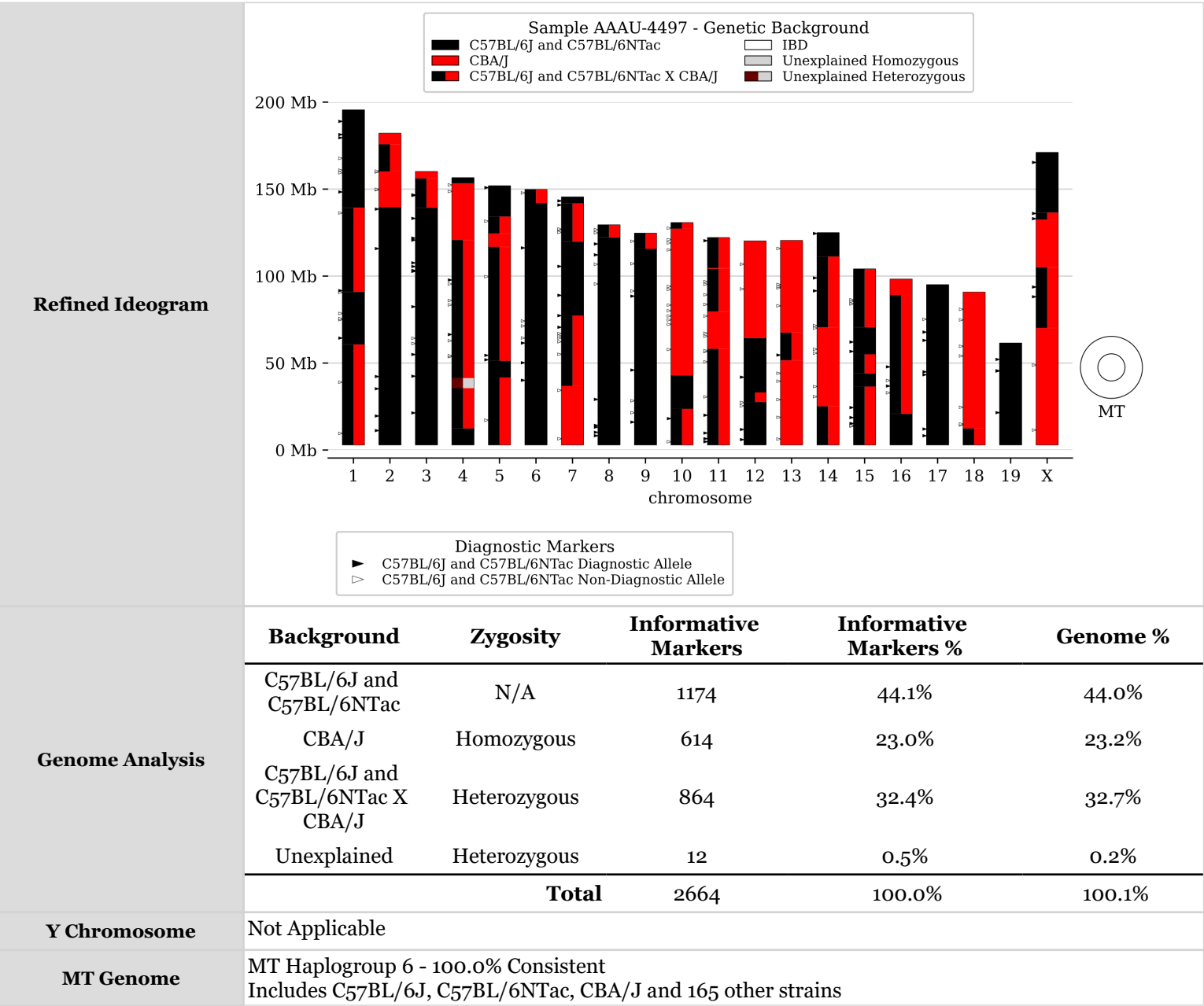


MiniMUGA Background Analysis v2.3.1

[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	8	37	102	44.1%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	2	11	21	61.9%
	C57BL/6NRj, C57BL/6NTac	4	5	15	60.0%
	C57BL/6J, C57BL/6JRj	4	4	31	25.8%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	4	1	10	50.0%
	C57BL/6NCrI, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	2	2	100.0%
	B6N-Tyr<c-Brd>/BrdCrCrI, C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	0	1	1	100.0%
	B6N-Tyr<c-Brd>/BrdCrCrI, C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	0	1	5	20.0%
Minimal Strain Sets Explaining All Diagnostic Classes (Number of Markers Explained):					
<ul style="list-style-type: none">Solution 1: C57BL/6J and C57BL/6NRj<ul style="list-style-type: none">C57BL/6J: 68 / 160 (42.5%)C57BL/6NRj: 19 / 40 (47.5%)Solution 2: C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 68 / 160 (42.5%)C57BL/6NRj: 19 / 40 (47.5%)					
	Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
	1	3000000	60621237	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	60621237	90903197	C57BL/6J and C57BL/6NTac	N/A
	1	90903197	139287790	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	139287790	195471971	C57BL/6J and C57BL/6NTac	N/A
	2	3000000	139631657	C57BL/6J and C57BL/6NTac	N/A
	2	139631657	160174252	CBA/J	Homozygous
	2	160174252	175780822	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	175780822	182113224	CBA/J	Homozygous
	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	12446904	C57BL/6J and C57BL/6NTac	N/A
	4	12446904	35563307	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	35563307	41348396	Unexplained	Heterozygous

MiniMUGA Background Analysis v2.3.1

Diplotype Intervals	4	41348396	120738488	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	120738488	153356388	CBA/J	Homozygous
	4	153356388	156508116	C57BL/6J and C57BL/6NTac	N/A
	5	3000000	41755530	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	41755530	51299144	C57BL/6J and C57BL/6NTac	N/A
	5	51299144	116795433	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	116795433	124446826	CBA/J	Homozygous
	5	124446826	134172373	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	134172373	151834684	C57BL/6J and C57BL/6NTac	N/A
	6	3000000	142043514	C57BL/6J and C57BL/6NTac	N/A
	6	142043514	149736546	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	3000000	36856023	CBA/J	Homozygous
	7	36856023	77291515	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	77291515	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	3000000	122263600	C57BL/6J and C57BL/6NTac	N/A
	8	122263600	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	3000000	115715944	C57BL/6J and C57BL/6NTac	N/A
	9	115715944	124595110	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	3000000	23654421	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	23654421	42917049	C57BL/6J and C57BL/6NTac	N/A
	10	42917049	127271560	CBA/J	Homozygous
	10	127271560	130694993	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	3000000	58168384	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	58168384	79617327	CBA/J	Homozygous
	11	79617327	104154012	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	104154012	104675339	CBA/J	Homozygous
	11	104675339	122082543	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	3000000	27585493	C57BL/6J and C57BL/6NTac	N/A
	12	27585493	33130555	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

MiniMUGA Background Analysis v2.3.1

	12	33130555	64411355	C57BL/6J and C57BL/6NTac	N/A
	12	64411355	120129022	CBA/J	Homozygous
	13	3000000	51605798	CBA/J	Homozygous
	13	51605798	67442927	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	67442927	120421639	CBA/J	Homozygous
	14	3000000	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	3000000	36473640	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	36473640	44010563	C57BL/6J and C57BL/6NTac	N/A
	15	44010563	55016741	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	55016741	70554147	C57BL/6J and C57BL/6NTac	N/A
	15	70554147	104043685	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	3000000	20813513	C57BL/6J and C57BL/6NTac	N/A
	16	20813513	89037512	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	89037512	98207768	CBA/J	Homozygous
	17	3000000	94987271	C57BL/6J and C57BL/6NTac	N/A
	18	3000000	12406382	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	12406382	90702639	CBA/J	Homozygous
	19	3000000	61431566	C57BL/6J and C57BL/6NTac	N/A
	X	3000000	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	o	o	IBD	Hemizygous