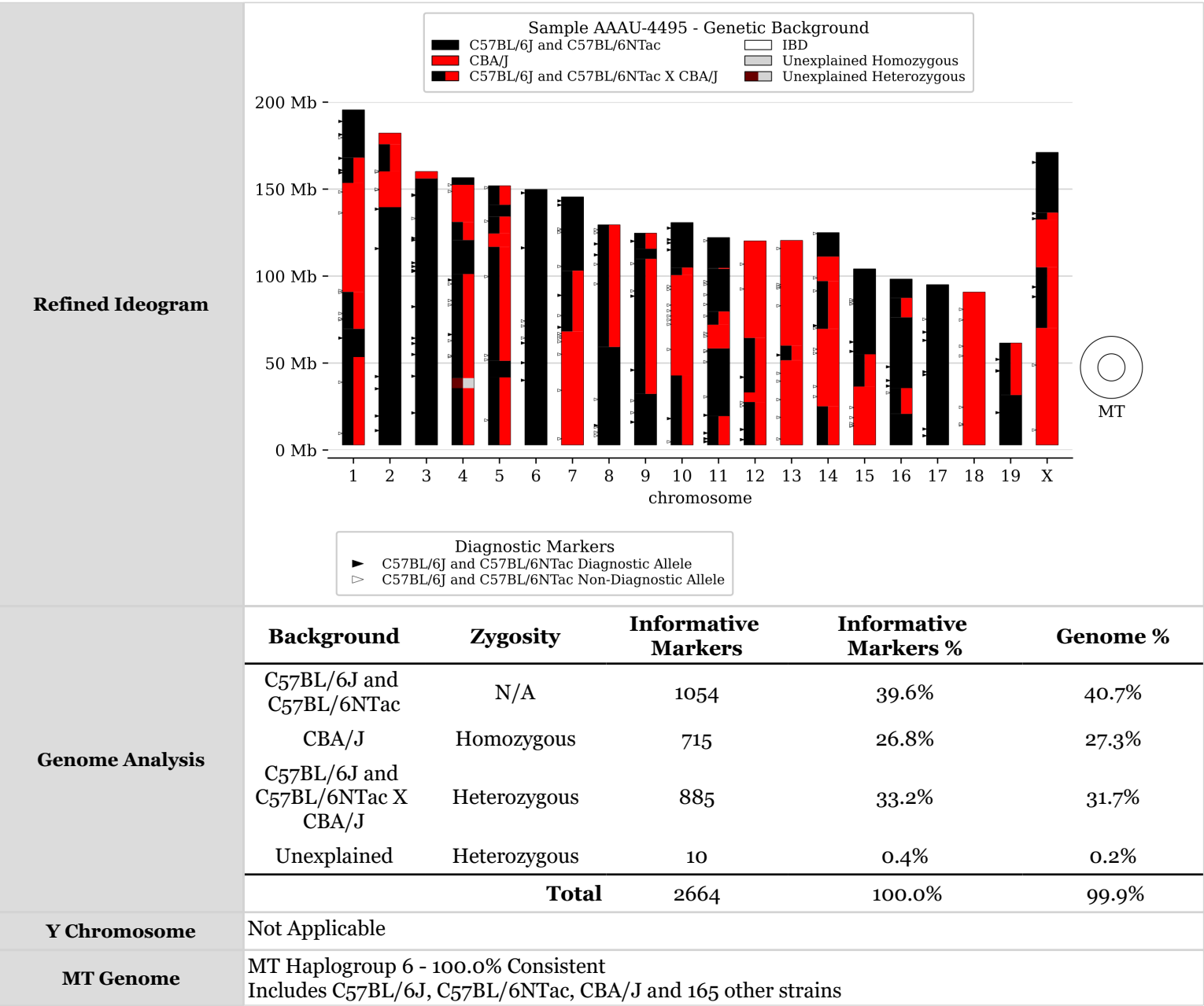


MiniMUGA Background Analysis v2.3.1

[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	14	29	102	42.2%
	C57BL/6J, C57BL/6JRj	4	6	31	32.3%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	2	8	21	47.6%
	C57BL/6NRj, C57BL/6NTac	2	5	15	46.7%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	1	4	10	50.0%
	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%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	0	1	1	100.0%
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: 64 / 155 (41.3%)C57BL/6NRj: 16 / 39 (41.0%)Solution 2: C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 64 / 155 (41.3%)C57BL/6NRj: 16 / 39 (41.0%)					
Diplotype Intervals	Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
	1	30000000	53457225	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	53457225	69700765	C57BL/6J and C57BL/6NTac	N/A
	1	69700765	90903197	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	90903197	153548642	CBA/J	Homozygous
	1	153548642	168019536	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	168019536	195471971	C57BL/6J and C57BL/6NTac	N/A
	2	30000000	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	30000000	156090101	C57BL/6J and C57BL/6NTac	N/A
	3	156090101	160039680	CBA/J	Homozygous
	4	30000000	35563307	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	35563307	41348396	Unexplained	Heterozygous
	4	41348396	101144501	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	101144501	120738488	C57BL/6J and C57BL/6NTac	N/A

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	4	120738488	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	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	140985717	C57BL/6J and C57BL/6NTac	N/A
	5	140985717	151834684	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	30000000	149736546	C57BL/6J and C57BL/6NTac	N/A
	7	30000000	68153750	CBA/J	Homozygous
	7	68153750	103084424	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	103084424	145441459	C57BL/6J and C57BL/6NTac	N/A
	8	30000000	59285811	C57BL/6J and C57BL/6NTac	N/A
	8	59285811	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	30000000	32287190	C57BL/6J and C57BL/6NTac	N/A
	9	32287190	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	42858234	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	42858234	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	19463075	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	19463075	58406228	C57BL/6J and C57BL/6NTac	N/A
	11	58406228	72044583	CBA/J	Homozygous
	11	72044583	79617327	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	79617327	104154012	C57BL/6J and C57BL/6NTac	N/A
	11	104154012	104675339	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	104675339	122082543	C57BL/6J and C57BL/6NTac	N/A

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	12	3000000	27585493	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	27585493	33130555	CBA/J	Homozygous
	12	33130555	64411355	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	64411355	120129022	CBA/J	Homozygous
	13	3000000	51605798	CBA/J	Homozygous
	13	51605798	60016573	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	60016573	120421639	CBA/J	Homozygous
	14	3000000	25112834	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	25112834	69660428	CBA/J	Homozygous
	14	69660428	97106405	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	97106405	111185375	CBA/J	Homozygous
	14	111185375	124902244	C57BL/6J and C57BL/6NTac	N/A
	15	3000000	36473640	CBA/J	Homozygous
	15	36473640	55016741	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	55016741	104043685	C57BL/6J and C57BL/6NTac	N/A
	16	3000000	20813513	C57BL/6J and C57BL/6NTac	N/A
	16	20813513	35579120	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	35579120	76315797	C57BL/6J and C57BL/6NTac	N/A
	16	76315797	87403166	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	87403166	98207768	C57BL/6J and C57BL/6NTac	N/A
	17	3000000	94987271	C57BL/6J and C57BL/6NTac	N/A
	18	3000000	90702639	CBA/J	Homozygous
	19	3000000	31636352	C57BL/6J and C57BL/6NTac	N/A
	19	31636352	61431566	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	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	0	0	IBD	Hemizygous