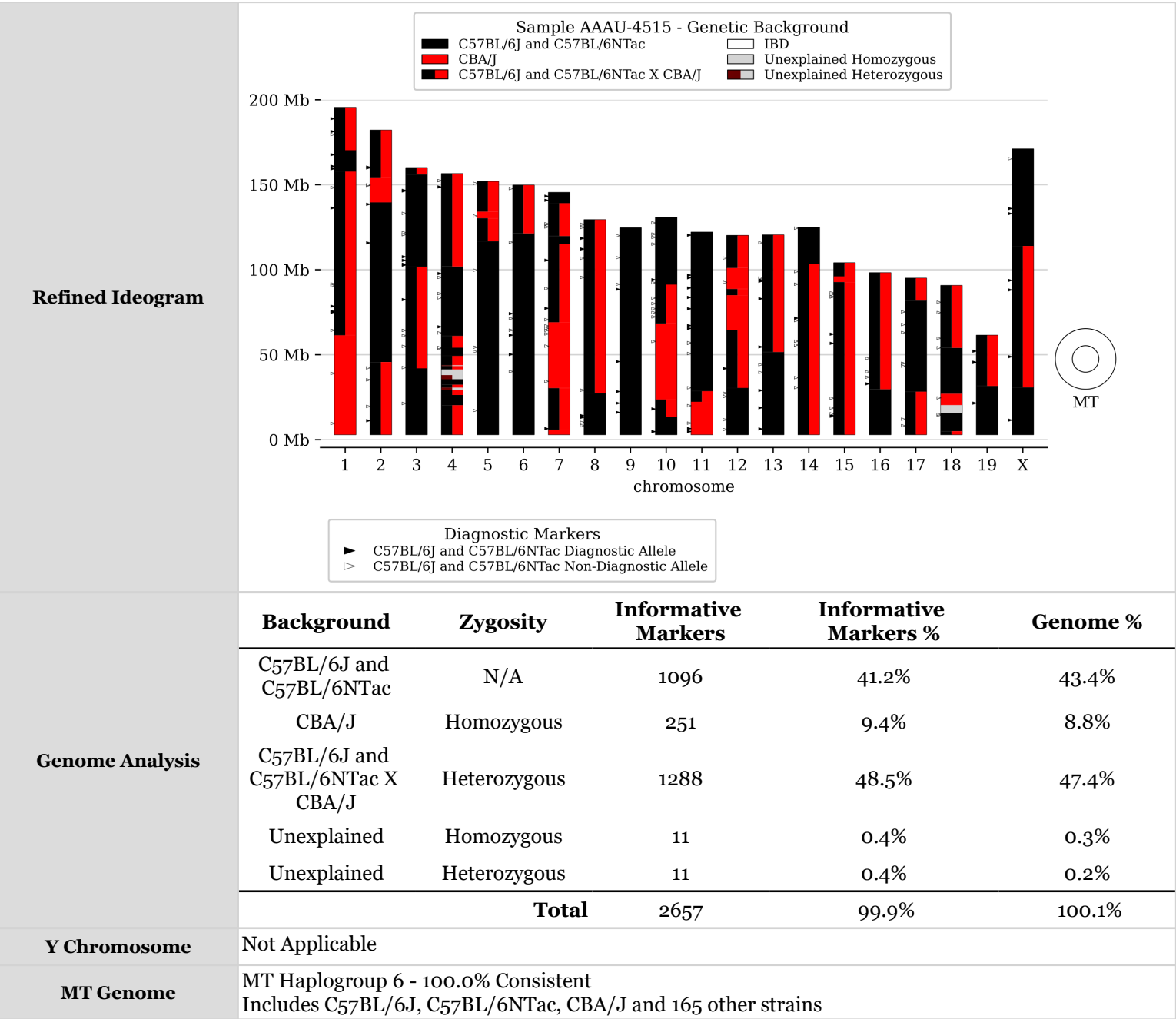


MiniMUGA Background Analysis v2.3.1

[illegible]

MiniMUGA Background Analysis v2.3.1



MiniMUGA Background Analysis v2.3.1

Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	3	38	102	40.2%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	2	8	21	47.6%
	C57BL/6J, C57BL/6JRj	3	5	31	25.8%
	C57BL/6NRj, C57BL/6NTac	2	6	15	53.3%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	1	5	10	60.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	0	1	100.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	1	0	2	50.0%
	129S5/SvEvBrd	0	1	5	20.0%
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: 62 / 158 (39.2%)C57BL/6NRj: 16 / 37 (43.2%)129S5/SvEvBrd: 1 / 5 (20.0%)Solution 2: 129S5/SvEvBrd and C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 62 / 158 (39.2%)C57BL/6NRj: 16 / 37 (43.2%)129S5/SvEvBrd: 1 / 5 (20.0%)					
	Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
	1	3000000	61451021	CBA/J	Homozygous
	1	61451021	157713559	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	157713559	170316822	C57BL/6J and C57BL/6NTac	N/A
	1	170316822	195471971	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	3000000	45666278	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	45666278	139631657	C57BL/6J and C57BL/6NTac	N/A
	2	139631657	154349372	CBA/J	Homozygous
	2	154349372	182113224	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	3000000	41975127	C57BL/6J and C57BL/6NTac	N/A
	3	41975127	101716043	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	101716043	156090101	C57BL/6J and C57BL/6NTac	N/A
	3	156090101	160039680	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

MiniMUGA Background Analysis v2.3.1

Diplotype Intervals	4	3000000	20258658	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	20258658	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	61028988	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	61028988	101914190	C57BL/6J and C57BL/6NTac	N/A
	4	101914190	156508116	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	3000000	116795433	C57BL/6J and C57BL/6NTac	N/A
	5	116795433	130280923	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	130280923	134172373	CBA/J	Homozygous
	5	134172373	151834684	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	3000000	121394377	C57BL/6J and C57BL/6NTac	N/A
	6	121394377	149736546	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	3000000	5883284	CBA/J	Homozygous
	7	5883284	30335112	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	30335112	69096424	CBA/J	Homozygous
	7	69096424	115227247	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	115227247	119823617	C57BL/6J and C57BL/6NTac	N/A
	7	119823617	139153295	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	139153295	145441459	C57BL/6J and C57BL/6NTac	N/A
	8	3000000	27348459	C57BL/6J and C57BL/6NTac	N/A
	8	27348459	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	3000000	124595110	C57BL/6J and C57BL/6NTac	N/A

MiniMUGA Background Analysis v2.3.1

	10	3000000	13392478	C57BL/6J and C57BL/6NTac	N/A
	10	13392478	23654421	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	23654421	68332199	CBA/J	Homozygous
	10	68332199	91235291	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	91235291	130694993	C57BL/6J and C57BL/6NTac	N/A
	11	3000000	22302070	CBA/J	Homozygous
	11	22302070	28525615	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	28525615	122082543	C57BL/6J and C57BL/6NTac	N/A
	12	3000000	30464480	C57BL/6J and C57BL/6NTac	N/A
	12	30464480	64411355	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	64411355	85015902	CBA/J	Homozygous
	12	85015902	88650858	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	88650858	101027932	CBA/J	Homozygous
	12	101027932	120129022	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	3000000	51605798	C57BL/6J and C57BL/6NTac	N/A
	13	51605798	120421639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	3000000	103377147	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	103377147	124902244	C57BL/6J and C57BL/6NTac	N/A
	15	3000000	92737752	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	92737752	96089091	CBA/J	Homozygous
	15	96089091	104043685	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	3000000	29701002	C57BL/6J and C57BL/6NTac	N/A
	16	29701002	98207768	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	3000000	28225412	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	28225412	81881415	C57BL/6J and C57BL/6NTac	N/A
	17	81881415	94987271	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	3000000	4990076	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	4990076	15685654	C57BL/6J and C57BL/6NTac	N/A
	18	15685654	20363699	Unexplained	Homozygous
	18	20363699	27036500	CBA/J	Homozygous
	18	27036500	54023745	C57BL/6J and C57BL/6NTac	N/A

MiniMUGA Background Analysis v2.3.1

	18	54023745	90702639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	30000000	31636352	C57BL/6J and C57BL/6NTac	N/A
	19	31636352	61431566	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	30000000	30815921	C57BL/6J and C57BL/6NTac	N/A
	X	30815921	113964840	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	113964840	171031299	C57BL/6J and C57BL/6NTac	N/A
	MT	0	0	IBD	Hemizygous