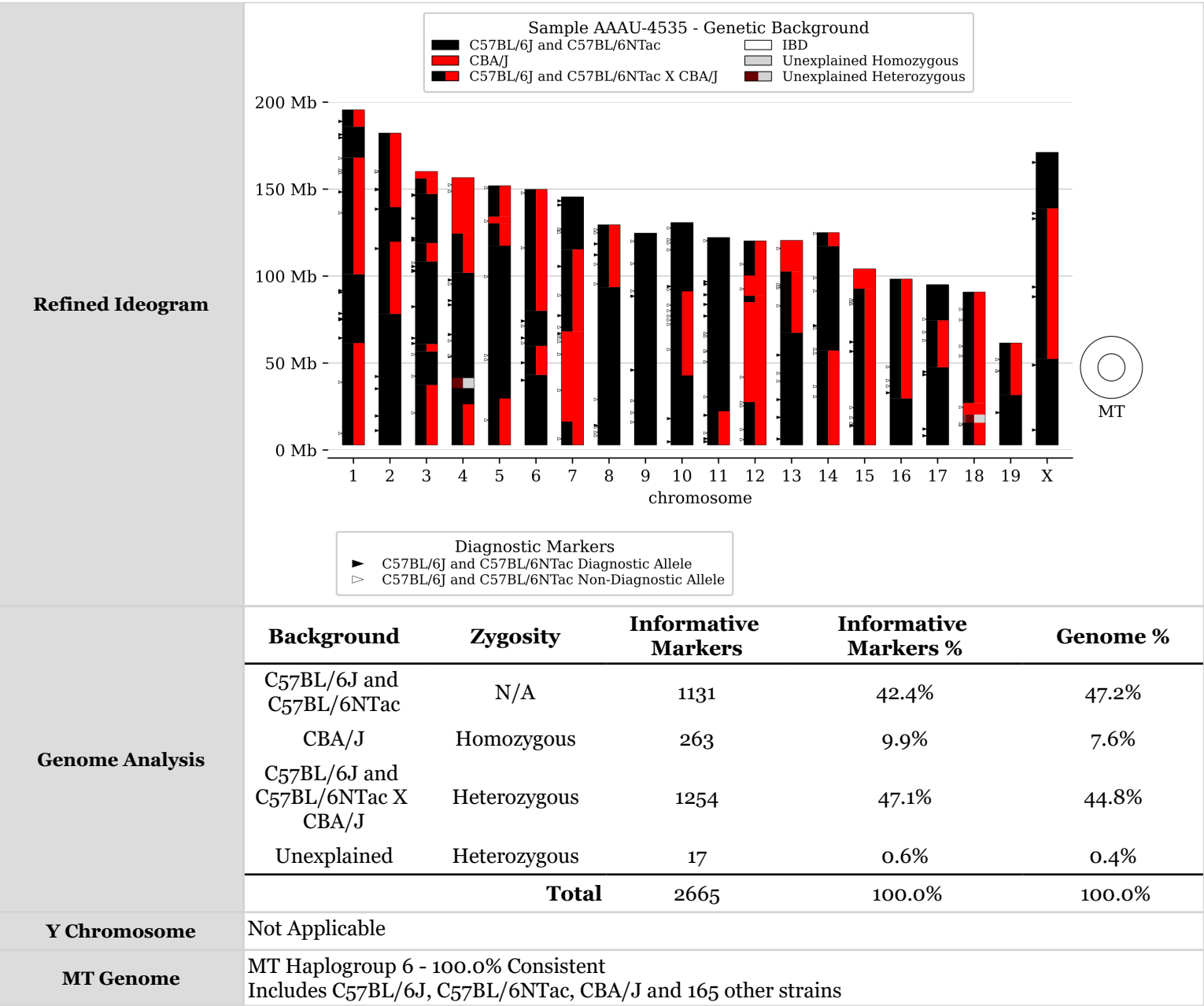


MiniMUGA Background Analysis v2.3.1

[illegible]

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Backgrounds Detected (Diagnostic Alleles)	Diagnostic Alleles Observed				
	Diagnostic Class	Homozygous	Heterozygous	Potential	% Observed
	C57BL/6J, C57BL/6JJicTac, C57BL/6JRj	6	28	102	33.3%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	5	6	21	52.4%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	4	5	10	90.0%
	C57BL/6NRj, C57BL/6NTac	2	9	15	73.3%
	C57BL/6J, C57BL/6JRj	0	10	31	32.3%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6NCrl, C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	1	1	2	100.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	0	1	100.0%
	C57BL/6NRj	0	2	10	20.0%
	C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JolaHsd, C57BL/6JRj	0	1	2	50.0%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JolaHsd, C57BL/6JRj	0	1	1	100.0%
	C57BL/6NHsd, C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	1	1	100.0%
Minimal Strain Sets Explaining All Diagnostic Classes (Number of Markers Explained):					
<ul style="list-style-type: none">Solution 1: C57BL/6J and C57BL/6NRj<ul style="list-style-type: none">C57BL/6J: 58 / 158 (36.7%)C57BL/6NRj: 25 / 38 (65.8%)Solution 2: C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 58 / 158 (36.7%)C57BL/6NRj: 25 / 38 (65.8%)					
	Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
	1	30000000	61451021	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	61451021	101065154	C57BL/6J and C57BL/6NTac	N/A
	1	101065154	168019536	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	1	168019536	185877635	C57BL/6J and C57BL/6NTac	N/A
	1	185877635	195471971	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	30000000	78267191	C57BL/6J and C57BL/6NTac	N/A
	2	78267191	119722376	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	119722376	139631657	C57BL/6J and C57BL/6NTac	N/A
	2	139631657	182113224	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	30000000	37371933	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	37371933	56655047	C57BL/6J and C57BL/6NTac	N/A
	3	56655047	60850190	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	60850190	108381941	C57BL/6J and C57BL/6NTac	N/A

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Diplotype Intervals	3	108381941	118919242	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	118919242	147169673	C57BL/6J and C57BL/6NTac	N/A
	3	147169673	156090101	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	156090101	160039680	CBA/J	Homozygous
	4	30000000	26280383	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	26280383	35563307	C57BL/6J and C57BL/6NTac	N/A
	4	35563307	41348396	Unexplained	Heterozygous
	4	41348396	101914190	C57BL/6J and C57BL/6NTac	N/A
	4	101914190	124400069	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	124400069	156508116	CBA/J	Homozygous
	5	30000000	29588943	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	29588943	117486064	C57BL/6J and C57BL/6NTac	N/A
	5	117486064	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	30000000	43184432	C57BL/6J and C57BL/6NTac	N/A
	6	43184432	59791688	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	59791688	80057017	C57BL/6J and C57BL/6NTac	N/A
	6	80057017	149736546	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	30000000	16360273	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	16360273	68153750	CBA/J	Homozygous
	7	68153750	115227247	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	115227247	145441459	C57BL/6J and C57BL/6NTac	N/A
	8	30000000	93626178	C57BL/6J and C57BL/6NTac	N/A
	8	93626178	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	30000000	124595110	C57BL/6J and C57BL/6NTac	N/A
	10	30000000	42858234	C57BL/6J and C57BL/6NTac	N/A
	10	42858234	91235291	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	91235291	130694993	C57BL/6J and C57BL/6NTac	N/A
	11	30000000	22302070	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	22302070	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	85015902	CBA/J	Homozygous
	12	85015902	88650858	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	88650858	100284662	CBA/J	Homozygous
	12	100284662	120129022	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	3000000	67442927	C57BL/6J and C57BL/6NTac	N/A
	13	67442927	102595519	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	102595519	120421639	CBA/J	Homozygous
	14	3000000	57122837	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	57122837	117206934	C57BL/6J and C57BL/6NTac	N/A
	14	117206934	124902244	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	3000000	92737752	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	92737752	104043685	CBA/J	Homozygous
	16	3000000	29701002	C57BL/6J and C57BL/6NTac	N/A
	16	29701002	98207768	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	3000000	47545390	C57BL/6J and C57BL/6NTac	N/A
	17	47545390	74502727	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	74502727	94987271	C57BL/6J and C57BL/6NTac	N/A
	18	3000000	15685654	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	15685654	20363699	Unexplained	Heterozygous
	18	20363699	27036500	CBA/J	Homozygous
	18	27036500	90702639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	3000000	31636352	C57BL/6J and C57BL/6NTac	N/A
	19	31636352	61431566	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	3000000	52416633	C57BL/6J and C57BL/6NTac	N/A
	X	52416633	138881041	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	138881041	171031299	C57BL/6J and C57BL/6NTac	N/A
	MT	0	0	IBD	Hemizygous