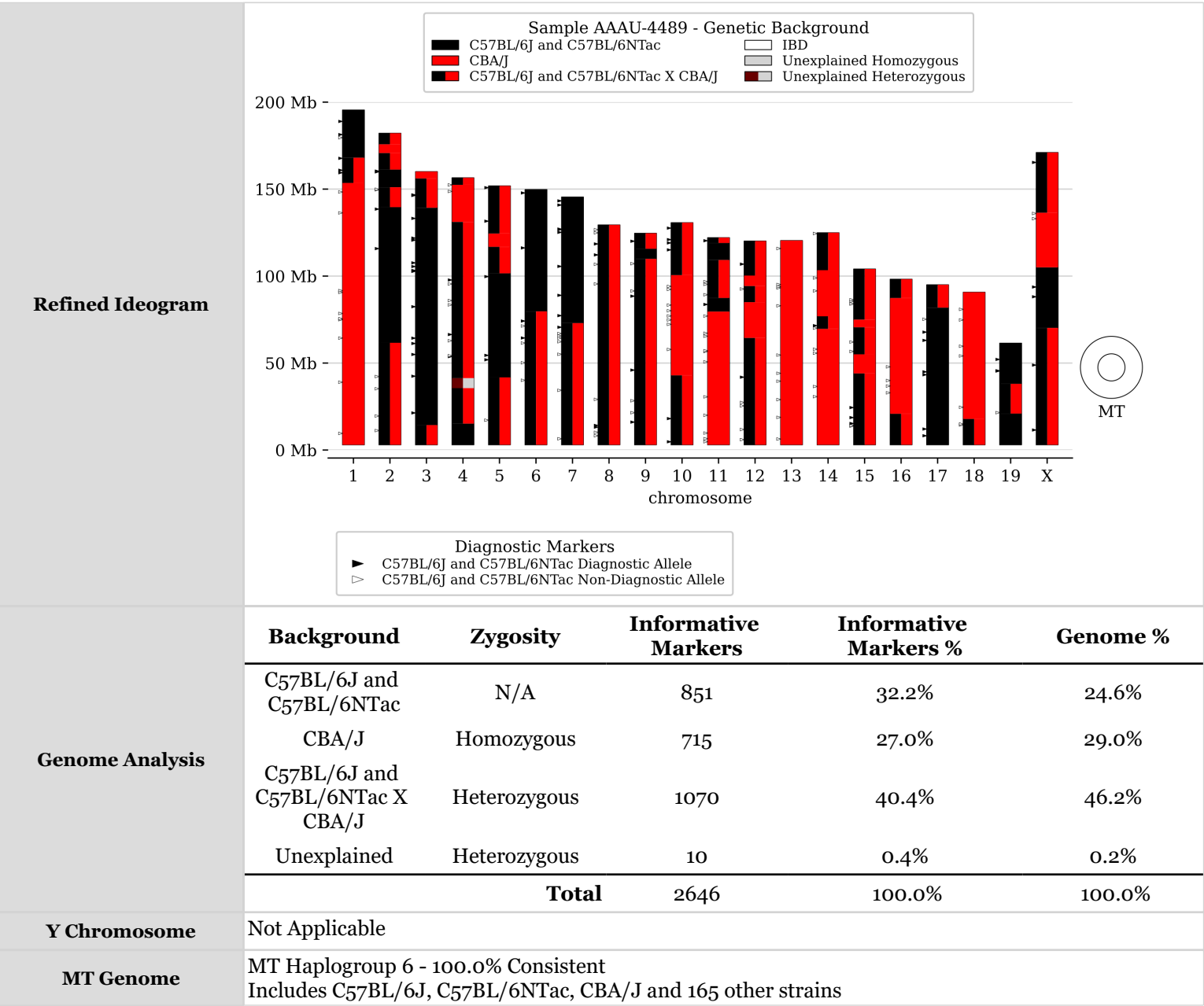


MiniMUGA Background Analysis v2.3.1

[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	38	102	45.1%
	C57BL/6J, C57BL/6JRj	3	7	31	32.3%
	C57BL/6J, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JRj	1	7	21	38.1%
	C57BL/6NRj, C57BL/6NTac	0	6	15	40.0%
	C57BL/6NJ, C57BL/6NRj, C57BL/6NTac	0	5	10	50.0%
	B6N-Tyr<c-Brd>/BrdCrCrl, C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JJicTac, C57BL/6JOhHsd, C57BL/6JRj	0	2	2	100.0%
	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%
	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%
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 / 162 (42.0%)C57BL/6NRj: 15 / 39 (38.5%)Solution 2: C57BL/6JRj and C57BL/6NRj<ul style="list-style-type: none">C57BL/6JRj: 68 / 162 (42.0%)C57BL/6NRj: 15 / 39 (38.5%)					
	Chromosome	Start (Mb)	Stop (Mb)	Background	Zygosity
	1	3000000	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	3000000	61636788	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	61636788	139631657	C57BL/6J and C57BL/6NTac	N/A
	2	139631657	151062687	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	151062687	161221795	C57BL/6J and C57BL/6NTac	N/A
	2	161221795	170694096	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	2	170694096	175780822	CBA/J	Homozygous
	2	175780822	182113224	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	3000000	14328941	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	3	14328941	139297311	C57BL/6J and C57BL/6NTac	N/A
	3	139297311	156090101	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous

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Diplotype Intervals	3	156090101	160039680	CBA/J	Homozygous
	4	30000000	15188739	C57BL/6J and C57BL/6NTac	N/A
	4	15188739	35563307	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	4	35563307	41348396	Unexplained	Heterozygous
	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 and CBA/J	Heterozygous
	5	30000000	41755530	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	41755530	101581477	C57BL/6J and C57BL/6NTac	N/A
	5	101581477	116795433	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	5	116795433	124446826	CBA/J	Homozygous
	5	124446826	151834684	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	30000000	79701235	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	6	79701235	149736546	C57BL/6J and C57BL/6NTac	N/A
	7	30000000	72944748	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	7	72944748	145441459	C57BL/6J and C57BL/6NTac	N/A
	8	30000000	129401213	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	9	30000000	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	42917049	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	10	42917049	100561092	CBA/J	Homozygous
	10	100561092	130694993	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	30000000	79617327	CBA/J	Homozygous
	11	79617327	87432699	C57BL/6J and C57BL/6NTac	N/A
	11	87432699	109213602	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	11	109213602	119038285	C57BL/6J and C57BL/6NTac	N/A
	11	119038285	122082543	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	30000000	64411355	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	64411355	85015902	CBA/J	Homozygous
	12	85015902	94246475	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	12	94246475	100284662	CBA/J	Homozygous

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	12	100284662	120129022	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	13	30000000	120421639	CBA/J	Homozygous
	14	30000000	69660428	CBA/J	Homozygous
	14	69660428	76871639	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	14	76871639	103377147	CBA/J	Homozygous
	14	103377147	124902244	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	30000000	44010563	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	44010563	55016741	CBA/J	Homozygous
	15	55016741	70554147	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	15	70554147	74996398	CBA/J	Homozygous
	15	74996398	104043685	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	30000000	20813513	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	16	20813513	87403166	CBA/J	Homozygous
	16	87403166	98207768	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	17	30000000	81881415	C57BL/6J and C57BL/6NTac	N/A
	17	81881415	94987271	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	30000000	17841108	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	18	17841108	90702639	CBA/J	Homozygous
	19	30000000	20955280	C57BL/6J and C57BL/6NTac	N/A
	19	20955280	38025239	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	19	38025239	61431566	C57BL/6J and C57BL/6NTac	N/A
	X	30000000	70193631	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	X	70193631	105020820	C57BL/6J and C57BL/6NTac	N/A
	X	105020820	136441962	CBA/J	Homozygous
	X	136441962	171031299	C57BL/6J and C57BL/6NTac and CBA/J	Heterozygous
	MT	o	o	IBD	Hemizygous