

Chr	Peak summit	Overlapped gene	Left gene (distance)	Right gene (distance)	Genomic feature
1	26744426	None	4931408C20Rik (121 bp)	n-R5s209 (271552 bp)	Promoter
1	85243851	C130026I21Rik Gm16028*	Gm7069 (33490 bp)	Gm16026 (19422 bp)	Intronic Non-coding
3	22163381	None	RNaseP_nuc.3 (12796 bp)	SNORA17.487 (145464 bp)	Intergenic
4	20119038	Nkain3	Ggh (125141 bp)	Gm11872* (151815 bp)	Intronic
4	60276939	None	Mup-ps3 (20240 bp)	Gm14311** (97572 bp)	Intergenic
4	145029937	Gm13277	Gm13224** (35635 bp)	Gm13230 (6706 bp)	Non-coding
4	145761171	None	Gm13251 (12155 bp)	Rex2 (120144 bp)	Intergenic
4	146593852	Gm16889 Gm17317	Gm13163 (24532 bp)	Gm13147 (10541 bp)	Non-coding
4	146624923	Gm16889 Gm17317 Gm13147	Gm13163 (55603bp)	Gm13158 (16599 bp)	Non-coding
4	146847085	Gm16889	Gm17317 (15957 bp)	Gm13152 (19441 bp)	Non-coding

4	147029598	2610305D13Rik	Gm13155** (30604 bp)	Gm16211 (13029bp)	Intronic
5	15195434	Speer7d-ps1	4930572O03Rik (32557 bp)	Speer-4d (19855 bp)	Non-coding
5	26425785	5031410I06Rik	Gm10471 (9954 bp)	Gm10220 (16472 bp)	3' UTR
5	95153090	None	Gm6025 (37712 bp)	Gm3176 (227009 bp)	Intergenic (island)
7	12595989	None	Vmn1r-ps60 (4430 bp)	Vmn1r77 (30659 bp)	Intergenic
8	20036646	None	2610005L07Rik (16254 bp)	None	Intergenic
9	120196465	None	Mobp (105863 bp)	Myrip (16589 bp)	Intergenic
10	7229820	None	9230019H11Rik (3118 bp)	Lrp11 (79778 bp)	Intergenic
10	7233650	None	9230019H11Rik (6948 bp)	Lrp11 (75948 bp)	Intergenic
11	55343509	Glra1	Gm12236* (2292 bp)	Gm12237 (24933 bp)	Intronic
14	43641447	None	Gm8068 (17965 bp)	Gm3102 (14108 bp)	Intergenic
14	43981432	Gm9732	Gm8127	Gm17155	Intronic

			(9086 bp)	(15276 bp)	
15	75934238	None	Nrbp2 (13795 bp)	BC024139 (15709 bp)	Intergenic
17	3082304	Pisd-ps2	Pisd-ps2 (192 bp)	Scaf8 (32668 bp)	Non-coding
17	29240998	None	Cdkn1a (3331 bp)	Gm16194* (10092 bp)	Intergenic
18	82390610	None	MiR5127 (201791 bp)	Gm17383** (117556 bp)	Intergenic
X	32099759	None	Gm2940 (145178 bp)	Gm2946 (30027 bp)	Intergenic
X	166584479	None	Gm15069 (68276 bp)	Gm15068 (54108 bp)	Intergenic

Supplemental Table 4. Abstinence-associated DMRs arising from cocaine self-administration

Black: protein coding

Blue: processed transcript

Purple: Linc RNA

Gray: transcribed processed pseudogene

Orange: transcribed unprocessed pseudogene

Pink: unprocessed pseudogene

Red: miscellaneous RNA

Green: miRNA

Turquoise: snRNA

Indigo: SNORA

Light green: ribosomal (rRNA)

*: antisense

** known pseudogene