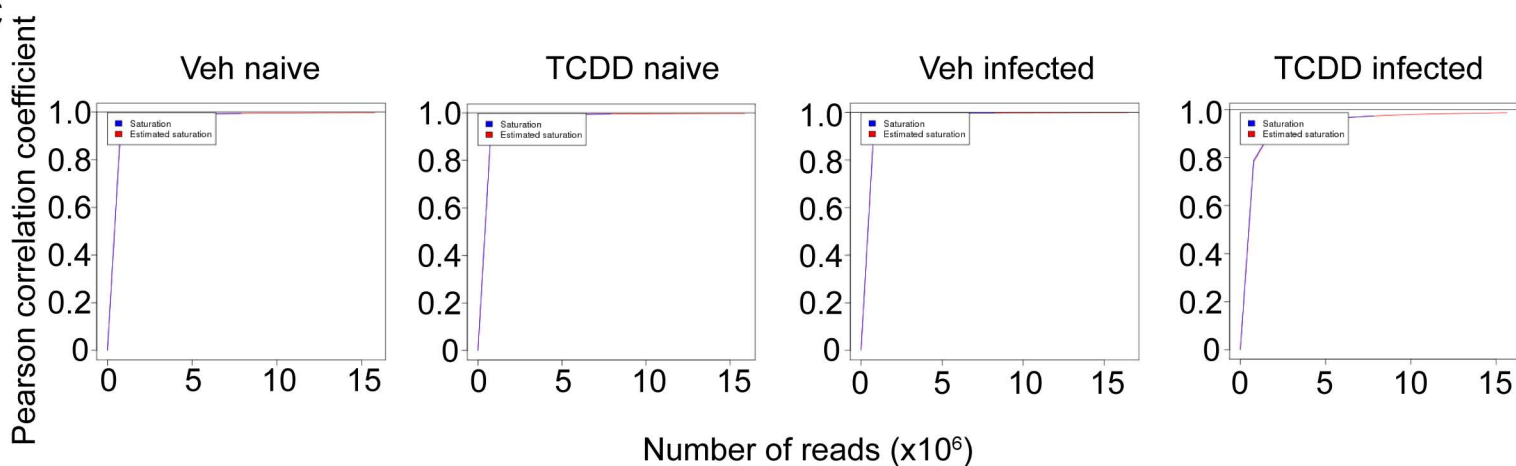
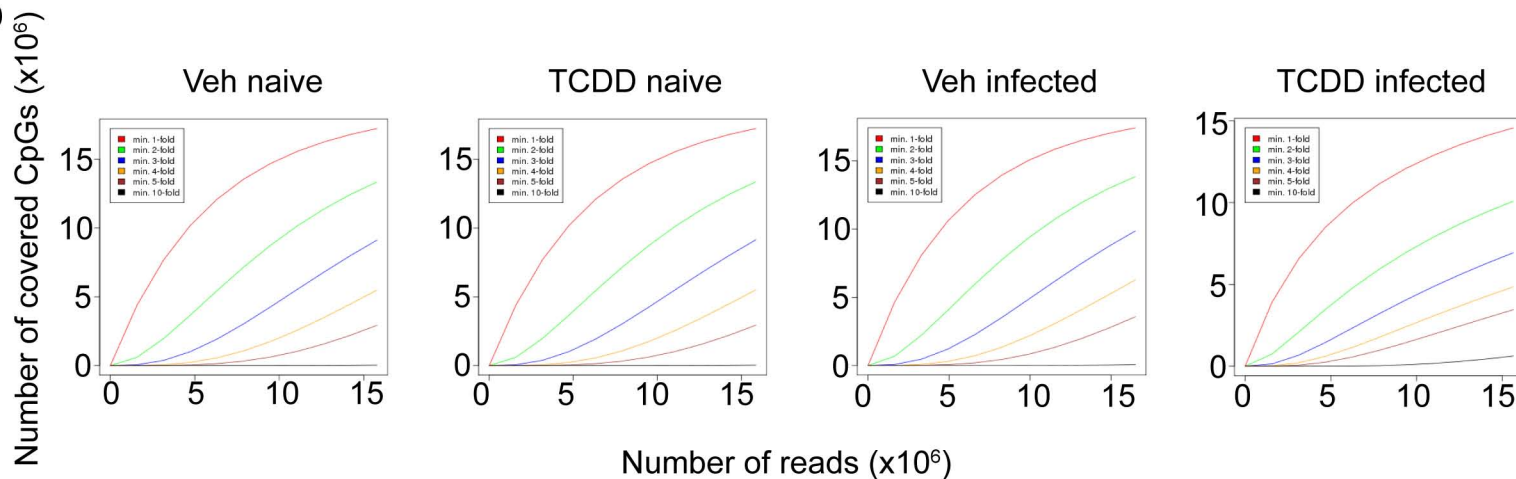


A

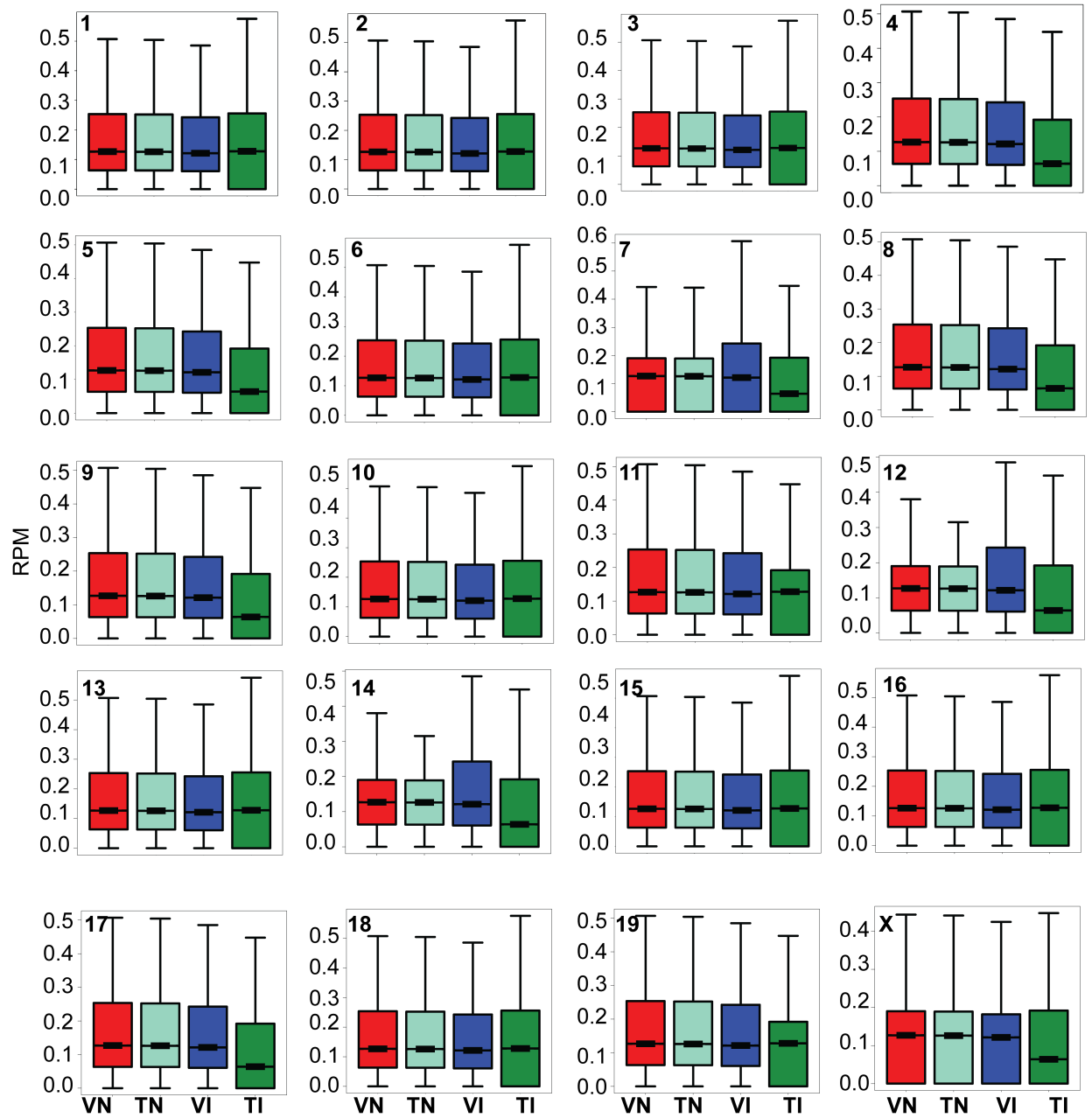
Sample	MeDIP-seq			RNA-seq		
	Total Reads	Total Aligned Reads	Final Alignment %	Total Reads	Total Aligned Reads	Final Alignment %
Veh naïve	10685204	7828435	73.26	17849455	15799700	88.52
Veh naïve	10771867	7952542	73.83	17319259	15366082	88.72
TCDD naïve	11055349	8074411	73.04	17077486	15247469	89.28
TCDD naïve	10771139	7793378	72.35	17024874	15054457	88.43
Veh infected	11487195	8215175	71.52	22746718	20149830	88.58
Veh infected	11716300	8277321	70.65	17306600	15157065	87.58
TCDD infected	8766618	7204104	82.18	15983221	14189003	88.77
TCDD infected	10428317	8436774	80.90	20009164	17798903	88.95

B

Sample	Correlation coefficient (R)	p-value
Veh naïve	0.9973787	p<0.0001
TCDD naïve	0.9966885	p<0.0001
Veh infected	0.9973316	p<0.0001
TCDD infected	0.9974835	p<0.0001

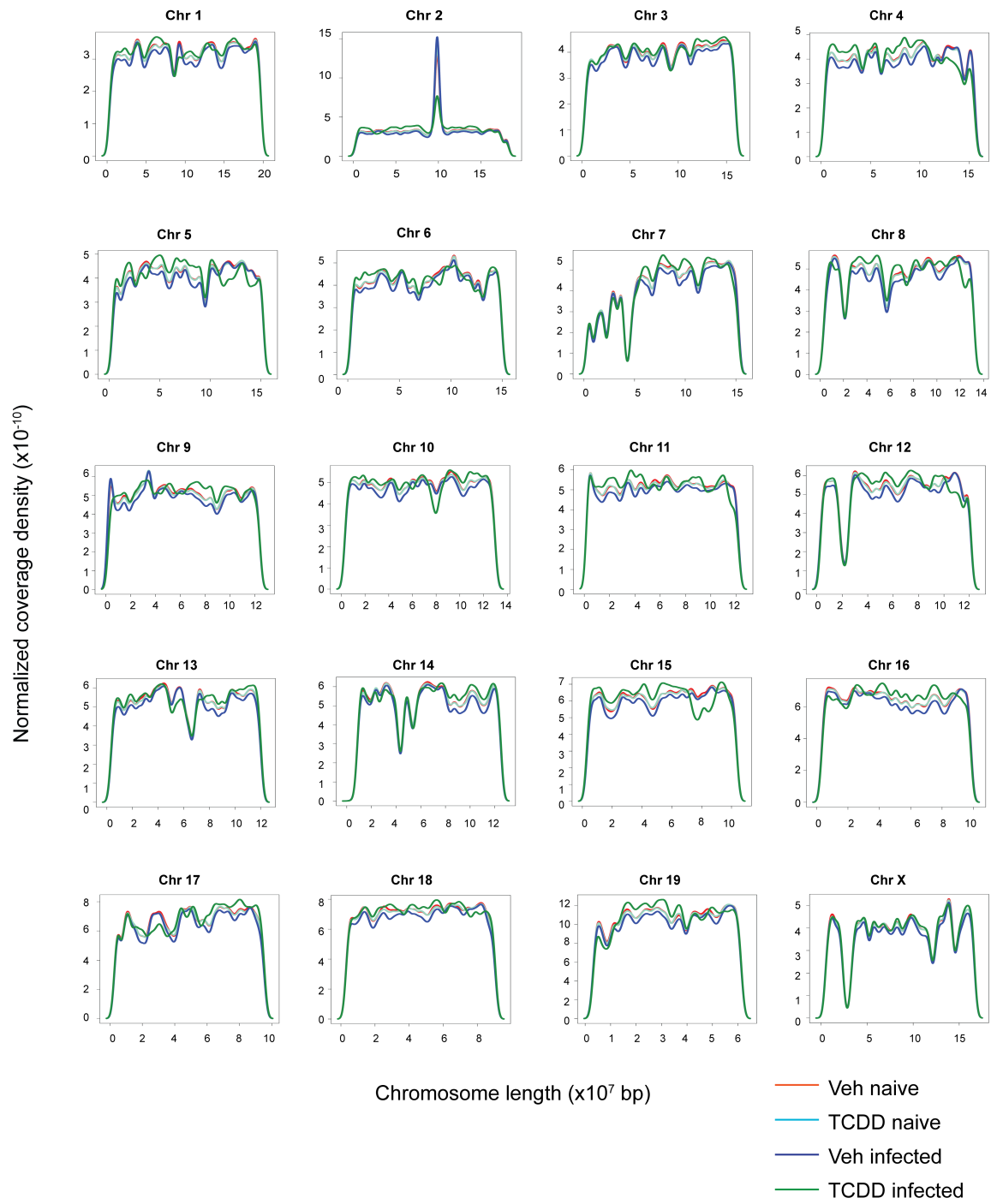
C**D****Supplemental Figure 1**

SUPPLEMENTAL FIGURE 1. Quality control assessments of MeDIP-seq and RNA-seq are shown. **(A)** Following high-throughput sequencing, MeDIP-seq and RNA-seq reads were aligned to the mouse genome. **(B)** Correlation determination of gene body methylation of two independently generated samples for each treatment group is shown. **(C)** Saturation analysis was performed using MEDIPS R package MEDIPS.saturationAnalysis. **(D)** Sequence pattern coverage analysis was performed using the MEDIPS.coverageAnalysis function of MEDIPS R package.



Supplemental Figure 2

SUPPLEMENTAL FIGURE 2. Overall DNA methylation of each chromosome is presented. Boxplot representations were used to quantitatively assess the methylation levels in purified CD8⁺ T cells from the Veh naïve (VN), TCDD naïve (TN), Veh Infected (VI) and TCDD infected (TI) groups. RPM values were plotted as boxplots using the boxplot function in R.



Supplemental Figure 3

SUPPLEMENTAL FIGURE 3. DNA methylation across each chromosome in isolated CD8⁺ T cells from adult mice that were developmentally exposed to peanut oil vehicle (Veh) or TCDD is shown. Coverage density along the chromosomes was calculated, normalized to library size and plotted to visualize differences in methylation across different maternal exposure and infection of the adult offspring. Red = Veh naïve; Aquamarine = TCDD naïve; dark blue = Veh infected; green = TCDD infected.

Supplemental Table I

Veh naïve vs. TCDD naïve										
Gene	Chromosome	Start	End	Strand	Veh naïve	TCDD naïve	Fold Change	Log2(Fold Change)	p-value	q-value
Dcpp2	chr17	24035688	24037754	+	1.68838	24.0749	14.26	3.83	0.00000000	0.00000000
Dcpp3	chr17	24054424	24056408	+	1.02644	14.2303	13.89	3.80	0.00000000	0.00000001
Abpe	chr7	32087787	32089996	+	0.447863	5.97193	13.33	3.74	0.00013707	0.02390510
Abph	chr7	32075537	32076835	-	0.724723	6.09426	8.41	3.07	0.00024787	0.03848990
Obp1a	chrX	75330843	75336713	-	1.88565	14.1855	7.52	2.91	0.00000000	0.00000000
BC048546	chr6	128489839	128531624	-	0.120928	0.855967	7.08	2.82	0.00000084	0.00025058
Rag1	chr2	101478410	101489689	-	0.183758	1.00764	5.48	2.46	0.00000000	0.00000116
Gm5938	chrX	75370805	75375742	+	1.71591	8.69463	5.07	2.34	0.00000000	0.00000082
Gm1553	chr10	81949277	81955363	-	1.32016	6.49204	4.92	2.30	0.00002240	0.00510066
Car6	chr4	149561124	149575244	-	1.48222	7.08296	4.78	2.26	0.00000000	0.00000000
Dcpp1	chr17	24017842	24019820	+	1.13061	5.08321	4.50	2.17	0.00010290	0.01892540
Gm14743	chrX	75485800	75491260	-	2.98457	12.5281	4.20	2.07	0.00000000	0.00000000
Smr3a	chr5	88431549	88437559	+	10.7304	39.1679	3.65	1.87	0.00000000	0.00000000
Bpifa2	chr2	153834011	153841809	+	31.4971	108.325	3.44	1.78	0.00000000	0.00000000
2310057J18Rik	chr10	28692093	28706112	-	2.10405	6.61	3.14	1.65	0.00000002	0.00000641
Amy1	chr3	113258869	113280668	-	8.63406	26.4694	3.07	1.62	0.00000000	0.00000000
Chia	chr3	105916299	105935034	+	2.59563	6.16452	2.08	1.06	0.00000040	0.00125194
Cln4-2	chr7	7235026	7252222	-	15.103	24.8069	1.64	0.72	0.00000000	0.00000000
Acpp	chr9	104190569	104240052	-	8.26675	13.1164	1.59	0.67	0.00000000	0.00000000
Coro2a	chr4	46549808	46614801	-	6.61259	9.98516	1.51	0.59	0.00000002	0.00000641
N4bp3	chr11	51456590	51471183	-	4.09833	6.16442	1.50	0.59	0.00013365	0.02371780
Cfl2	chr12	55959805	55963864	-	6.3728	8.99114	1.41	0.50	0.00017914	0.02987890
Nrp2	chr1	62749890	62865266	+	2.96129	4.13959	1.40	0.48	0.00004504	0.00893312
Lgals1	chr15	78757154	78760895	+	32.0165	43.9401	1.37	0.46	0.00002215	0.00476677
Tbcd16	chr11	119004356	119089813	-	3.34656	4.42136	1.32	0.40	0.00032504	0.04780600
Hsph1	chr5	150419419	150438890	-	41.8187	52.6586	1.26	0.33	0.00000456	0.00124753
Vamp1	chr6	125165598	125172324	+	17.6028	22.0276	1.25	0.32	0.00007830	0.01494350
Luc7l3	chr11	94152452	94183225	-	33.6216	40.9067	1.22	0.28	0.00019734	0.03168430
Tapbp	chr17	34056422	34066235	+	149.414	166.661	1.12	0.16	0.00000061	0.00018760
Srsf1	chr11	87861172	87867259	+	70.2053	78.3087	1.12	0.16	0.00000289	0.00083477
Hdac7	chr15	97614795	97674933	-	75.8519	84.2117	1.11	0.15	0.00000001	0.00000511
Sipa1	chr19	5651184	5663707	-	66.819	74.1539	1.11	0.15	0.00000557	0.00144568
Dnmt1	chr9	20711649	20764332	-	36.8058	40.4777	1.10	0.14	0.00018860	0.03076880
Ddx6	chr9	44412974	44448814	+	126.792	119.089	0.94	-0.09	0.00023052	0.03643330
Foxp1	chr6	98875335	99385339	-	51.6981	47.5284	0.92	-0.12	0.00000636	0.00160900
ErbB2ip	chr13	104608865	104710594	-	56.676	51.9424	0.92	-0.13	0.00006376	0.01240220
Satb1	chr17	51875511	51972615	-	139.75	127.183	0.91	-0.14	0.00000000	0.00000001
Ubr5	chr15	37897082	38008608	-	33.925	30.3623	0.89	-0.16	0.00001211	0.00284862
Cmah	chr13	24419288	24569154	+	69.5646	61.3712	0.88	-0.18	0.00025115	0.03848990
Ino80d	chr1	63094374	63160841	-	13.4753	11.818	0.88	-0.19	0.00002820	0.00582229
Tnrc6b	chr15	80541742	80771516	+	21.7136	19.0222	0.88	-0.19	0.00000001	0.00000272
Txnip	chr3	96359690	96370724	+	347.334	289.287	0.83	-0.26	0.00000000	0.00000000
Irga4	chr2	79095582	79269145	+	72.7364	60.569	0.83	-0.26	0.00016111	0.02762000
Macf1	chr4	123026875	123361603	-	116.849	95.8689	0.82	-0.29	0.00000004	0.00001325
Zfp36	chr7	29161802	29164247	-	77.1101	62.7344	0.81	-0.30	0.00008978	0.01681800
P2ry10	chrX	104284673	104300309	+	46.5771	37.7813	0.81	-0.30	0.00010809	0.01952440
Il7r	chr15	9435913	9459631	-	217.491	175.74	0.81	-0.31	0.00001186	0.00284862
Mdn1	chr4	32744093	32862192	+	29.3075	23.6652	0.81	-0.31	0.00000773	0.00190821
Ilfng1	chr10	19311763	19330031	+	66.7863	53.9023	0.81	-0.31	0.00003835	0.00775827
Syne1	chr10	5151833	5326342	+	18.8977	15.1438	0.80	-0.32	0.00000016	0.00005268
Lpp	chr16	24392641	24992664	+	3.18652	2.53094	0.79	-0.33	0.00032611	0.04780600
Fam46c	chr3	100275458	100293115	-	23.1355	17.9516	0.78	-0.37	0.00018019	0.02987890
Ddx60	chr8	64406885	64516492	+	12.3424	9.51571	0.77	-0.38	0.00001678	0.00368889
Gm4759	chr7	113565063	113584587	-	30.5121	23.4602	0.77	-0.38	0.00000342	0.00096052
Lars2	chr9	123276057	123371782	+	512.265	391.747	0.76	-0.39	0.00001582	0.00355604
Zfp3612	chr17	84583268	84587287	-	230.321	170.87	0.74	-0.43	0.00000000	0.00000038
Dusp2	chr2	127161894	127164113	+	119.215	88.1873	0.74	-0.43	0.00000000	0.00000094
Tnfrsf3	chr10	18720716	18735216	-	21.4588	15.8126	0.74	-0.44	0.00000000	0.00000121
Tsc22d3	chrX	137074067	137135061	-	217.045	157.482	0.73	-0.46	0.00000000	0.00000001
Junb	chr8	87500807	87502647	-	54.7248	39.109	0.71	-0.48	0.00000000	0.00000113
Ddit4	chr10	59412422	59414518	-	124.413	86.2809	0.69	-0.53	0.00000000	0.00000000
Cxcr4	chr1	130484775	130488876	-	101.464	68.4012	0.67	-0.57	0.00000000	0.00000000
Slc15a2	chr16	36750249	36785048	-	7.72456	4.95818	0.64	-0.64	0.00000019	0.00006117
Abca1	chr4	53043660	53172767	-	8.71989	5.35373	0.61	-0.70	0.00000000	0.00000000
Ppp1r15a	chr7	52778287	52781638	-	11.5446	6.70696	0.58	-0.78	0.00000000	0.00000010
Dusp1	chr17	26642535	26645417	-	4.48836	2.15518	0.48	-1.06	0.00001415	0.00325201
Fos	chr12	86814850	86818219	+	8.48935	2.96455	0.35	-1.52	0.00000000	0.00000000
Jun	chr4	94715726	94718913	+	3.12004	1.06595	0.34	-1.55	0.00000000	0.00000071
Hspa1b	chr17	35093373	35096183	-	0.812455	0.143266	0.18	-2.50	0.00028602	0.04318000

Veh infected vs. TCDD infected										
Gene	Chromosome	Start	End	Strand	Veh infected	TCDD infected	Fold Change	Log2(Fold Change)	p-value	q-value
Atp6v0c-ps2	chr17	24300831	24306374	-	0	9.24701	Inf		0.00000023	0.00002112
Gm5111	chr6	48539443	48540583	+	0	0.913104	Inf		0.00156588	0.04201960
Rag1	chr2	101478410	101489689	-	0.0392739	2.23153	56.82	5.83	0.00000000	0.00000000
Hspa1b	chr17	35093373	35096183	-	0.0651079	3.07092	47.17	5.56	0.00000001	0.00000090
Camkv	chr9	107838250	107852022	+	0.0274514	0.898682	32.74	5.03	0.00167713	0.04434810
Gfra1	chr19	58311181	58528956	-	0.0538691	1.04024	19.31	4.27	0.00002544	0.00127389
Arpp21	chr9	111967594	112251429	-	0.131399	1.94622	14.81	3.89	0.00000087	0.00006912
S100a9	chr3	90496554	90499613	-	0.557528	7.7703	13.94	3.80	0.00001275	0.00071070
Fads2	chr19	10138653	10175993	-	0.143746	1.50602	10.48	3.39	0.00106187	0.03058130
Alas2	chrX	146981959	147005165	+	0.200757	1.64379	8.19	3.03	0.00007858	0.00329716
Hbb-b1	chr7	110961037	110962437	-	0.784073	5.67311	7.24	2.86	0.00003290	0.00159619

Hba-a1	chr11	32196488	32197310	+	2.78088	19.1744	6.90	2.79	0.00000000	0.00000000
S100a8	chr3	90472992	90473956	+	1.15489	7.76255	6.72	2.75	0.00045146	0.01473420
Endou	chr15	97541449	97561836	+	0.302492	1.97952	6.54	2.71	0.00000108	0.00008322
Beta-s	chr7	110975036	110976442	-	4.58891	27.7523	6.05	2.60	0.00000000	0.00000000
Klrb1b	chr6	128763723	128776333	-	0.357467	1.94823	5.45	2.45	0.00000753	0.00044252
Rapgef3	chr15	97575200	97598097	-	0.161896	0.870353	5.38	2.43	0.00008008	0.00334736
Cdc25c	chr18	34892650	34911187	-	0.404552	2.11661	5.23	2.39	0.00001777	0.00094195
Hepacam2	chr6	3407088	3444498	-	0.262696	1.17868	4.49	2.17	0.00087848	0.02608560
Fam64a	chr11	71856003	71860872	+	0.837463	3.75341	4.48	2.16	0.00000082	0.00006522
Pon3	chr6	5170851	5206233	-	0.883323	3.86402	4.37	2.13	0.00000020	0.00001874
BCO30867	chr11	102110195	102126497	+	0.277605	1.19751	4.31	2.11	0.00026429	0.00935410
Capn5	chr7	105270074	105333309	-	0.292697	1.22534	4.19	2.07	0.00000345	0.00021806
Chi3l3	chr3	105950471	105970482	-	0.637522	2.60947	4.09	2.03	0.00008691	0.00361904
Fkbp11	chr15	98554798	98558629	-	0.926927	3.72917	4.02	2.01	0.00106928	0.03058130
Fn1	chr1	71632096	71699745	-	0.641356	2.49836	3.90	1.96	0.00000000	0.00000000
Smo	chr6	29685496	29711366	+	0.328939	1.27776	3.88	1.96	0.00001484	0.00080246
2010001M09Rik	chr18	35806918	35809021	-	11.6127	44.1609	3.80	1.93	0.00000000	0.00000000
Sirpa	chr2	129418574	129457964	+	0.455602	1.70299	3.74	1.90	0.00000047	0.00003932
Cd93	chr2	148262386	148269271	-	0.380881	1.41785	3.72	1.90	0.00000001	0.00000000
Pif1	chr9	65435011	65443769	+	0.447811	1.64093	3.66	1.87	0.00000040	0.00024419
Cacna1h	chr17	25507497	25570728	-	0.314201	1.1479	3.65	1.87	0.00000001	0.00000107
Mki67	chr7	142881470	142908062	-	6.60571	23.621	3.58	1.84	0.00000000	0.00000000
Cenpf	chr1	191464492	191511965	-	0.721849	2.56775	3.56	1.83	0.00000000	0.00000000
Itga1	chr13	115748288	115892172	-	0.363074	1.2744	3.51	1.81	0.00000038	0.00003272
Pr5	chr15	84511427	84534103	+	0.938333	3.23372	3.45	1.79	0.00001359	0.00075089
E2f8	chr7	56121798	56136411	-	1.1452	3.74048	3.27	1.71	0.00000000	0.00000002
Spag5	chr11	78115092	78135956	+	1.45339	4.69472	3.23	1.69	0.00000000	0.00000000
Emp1	chr6	135312948	135333191	+	1.00185	3.19791	3.19	1.67	0.00000051	0.00004235
Dntt	chr19	41103764	41134015	+	3.92482	12.5123	3.19	1.67	0.00000000	0.00000000
Rhobtb1	chr10	68671299	68754532	+	0.266041	0.842993	3.17	1.66	0.00094789	0.02776740
Lamc1	chr1	155066051	155179916	-	0.49377	1.54691	3.13	1.65	0.00000001	0.00000084
Ccdc18	chr5	108561932	108661968	+	0.284505	0.888009	3.12	1.64	0.00026012	0.00923856
Kntc1	chr5	124199734	124271602	+	0.632325	1.96381	3.11	1.63	0.00000000	0.00000011
Tk	chr9	83728295	83765997	+	0.566086	1.74766	3.09	1.63	0.00009839	0.00402009
Gpr56	chr8	97501008	97538108	+	0.434051	1.32888	3.06	1.61	0.00025109	0.00897660
Mcm10	chr2	4911769	4933837	-	0.979019	2.99422	3.06	1.61	0.00000003	0.00000330
Csflr	chr18	61265225	61290793	+	0.442623	1.33714	3.02	1.59	0.00010457	0.00425631
Casc5	chr2	118872854	118929857	+	0.946212	2.85044	3.01	1.59	0.00000000	0.00000000
Mpp2	chr11	101918330	101949829	+	0.37252	1.09759	2.95	1.56	0.00042419	0.01405500
Esm1	chr13	113999866	114008312	+	1.03198	3.03036	2.94	1.55	0.00004447	0.00210129
Aspm	chr1	141351349	141390665	+	0.728638	2.13705	2.93	1.55	0.00000000	0.00000000
Orc1	chr4	108252058	108287436	+	0.569675	1.66884	2.93	1.55	0.00016314	0.00626486
Clspn	chr4	126234223	126271147	+	1.48037	4.30119	2.91	1.54	0.00000000	0.00000000
Ccne2	chr4	11118500	11181406	+	0.675996	1.94237	2.87	1.52	0.00075439	0.02307900
Denn25b	chr6	148936590	149050202	-	0.351197	1.00735	2.87	1.52	0.00000076	0.00006093
Itgam	chr7	135206153	135262005	+	0.754914	2.16307	2.87	1.52	0.00000000	0.00000025
Shcbp1	chr8	4735979	4779534	-	1.42996	4.03533	2.82	1.50	0.00000364	0.00022479
Kif11	chr19	37450892	37496349	+	3.14335	8.87042	2.82	1.50	0.00000000	0.00000000
Rpl26	chr11	68715067	68718036	+	5.83725	16.4601	2.82	1.50	0.00158764	0.04229040
Gzmb	chr14	56877694	56881097	-	16.6602	46.8529	2.81	1.49	0.00000000	0.00000000
Igj	chr5	88948833	88956922	-	102.808	287.198	2.79	1.48	0.00000000	0.00000000
Ckap2l	chr2	129093945	129122948	-	1.5773	4.37111	2.77	1.47	0.00000001	0.00000090
Esp1l	chr15	102126723	102154787	+	0.982963	2.68748	2.73	1.45	0.00000000	0.00000005
Ckap4	chr10	83989049	83996633	-	1.39352	3.80083	2.73	1.45	0.00000034	0.00022994
Neil3	chr8	54672220	54724419	-	1.14	3.10747	2.73	1.45	0.00003255	0.00158619
Nusap1	chr2	119435267	119475896	+	2.96901	8.08801	2.72	1.45	0.00000000	0.00000000
Pbk	chr14	66424747	66436659	+	1.13494	3.07733	2.71	1.44	0.00058546	0.01855760
Coro2b	chr9	62267298	62384851	-	0.404615	1.09535	2.71	1.44	0.00174930	0.04537320
Gzma	chr13	113884034	113891189	-	36.3571	98.0803	2.70	1.43	0.00000000	0.00000000
Cx3cr1	chr9	119957810	119977400	-	0.463037	1.24545	2.69	1.43	0.00071761	0.02209340
Sipi	chr2	164179805	164182243	-	26.795	71.8872	2.68	1.42	0.00000000	0.00000000
Il2ra	chr2	11564418	11614821	+	3.46072	9.82255	2.68	1.42	0.00000000	0.00000000
Raph1	chr1	60540028	60623609	-	0.326569	0.875319	2.68	1.42	0.00001857	0.00097516
Cdca2	chr14	68294410	68333898	-	1.19026	3.18426	2.68	1.42	0.00000001	0.00000115
Ube2c	chr2	164595428	164598402	+	5.95002	15.7005	2.64	1.40	0.00000005	0.00000499
Melk	chr4	44313788	44377547	+	1.00202	2.63786	2.63	1.40	0.00002936	0.00145060
Sgol1	chr17	53814111	53828640	-	0.822343	2.16468	2.63	1.40	0.00002366	0.00120157
Bub1	chr2	127625935	127657595	-	1.26342	3.32063	2.63	1.39	0.00000000	0.00000005
Fam129b	chr2	32731653	32816775	+	1.00228	2.62499	2.62	1.39	0.00000358	0.00022387
Ncapg2	chr12	117643874	117702004	+	2.08084	5.3927	2.59	1.37	0.00000000	0.00000000
Stac2	chr11	97897937	97914776	-	0.711328	1.84171	2.59	1.37	0.00034755	0.01191540
Cenpe	chr3	134875526	134936504	+	1.36755	3.52341	2.58	1.37	0.00000000	0.00000000
Stil	chr4	114672722	114715803	+	0.617595	1.58059	2.56	1.36	0.00018183	0.00095657
Kif2c	chr4	116832240	116855229	-	1.36589	3.48981	2.55	1.35	0.00000362	0.00022457
Cena2	chr3	36451527	36470918	-	6.64967	16.9396	2.55	1.35	0.00000000	0.00000000
Nek2	chr1	193645351	193656928	+	2.04856	5.21464	2.55	1.35	0.00000001	0.00000121
Chdh	chr14	30822185	31340242	+	0.441504	1.12379	2.55	1.35	0.00017459	0.00663430
Kif4	chrX	97821403	97922610	+	1.17977	3.00265	2.55	1.35	0.00000004	0.00000463
Lyz2	chr10	116714596	116719328	-	9.45487	24.0389	2.54	1.35	0.00000000	0.00000000
Birc5	chr11	117710550	117717057	+	7.39789	18.7856	2.54	1.34	0.00000000	0.00000016
Kif14	chr1	138364534	138428088	+	0.448183	1.13594	2.53	1.34	0.00000486	0.00029343
Prc1	chr7	87439350	87461145	+	2.74472	6.91928	2.52	1.33	0.00000000	0.00000003
Ccnb1	chr13	101548693	101556441	-	4.09422	10.2985	2.52	1.33	0.00000000	0.00000001
Ncapg	chr5	46061163	46248779	+	2.51414	6.32027	2.51	1.33	0.00000000	0.00000002
Top2a	chr11	98854260	98885503	+	11.0865	27.8634	2.51	1.33	0.00000000	0.00000000
Rorc	chr3	94176747	94202161	+	0.943001	2.36803	2.51	1.33	0.00028413	0.00996086
Cit	chr5	116295664	116456350	+	0.62701	1.56237	2.49	1.32	0.00000170	0.00012137
Tspan2	chr3	102524153	102576233	+	0.444204	1.10515	2.49	1.31	0.00037543	0.01267140
Gins2	chr8	123012765	123112975	-	2.11163	5.23378	2.48	1.31	0.00062962	0.01971950

Depdc1a	chr3	159158396	159192919	+	1.21266	2.99556	2.47	1.30	0.00000111	0.00008483
Esco2	chr14	66437863	66452806	-	1.10201	2.71085	2.46	1.30	0.00006661	0.00283701
Hipl	chr5	135882387	136020992	-	1.11409	2.7363	2.46	1.30	0.00000000	0.00000005
Syk	chr13	52678805	52744161	+	1.77937	4.36002	2.45	1.29	0.00000000	0.00000000
Kif18b	chr11	102766832	102786438	-	1.11262	2.71296	2.44	1.29	0.00002451	0.00123710
Cdca8	chr4	124595708	124614161	-	4.16265	10.0905	2.42	1.28	0.00000003	0.00000342
Kif20a	chr18	34758268	34811390	+	2.86639	6.92966	2.42	1.27	0.00000000	0.00000004
Tpx2	chr2	152673699	152721057	+	2.95022	7.13032	2.42	1.27	0.00000000	0.00000000
Itgax	chr7	135273081	135294171	+	2.48786	6.00258	2.41	1.27	0.00000000	0.00000002
Rad51	chr2	118938552	118961806	+	2.35618	5.67477	2.41	1.27	0.00000251	0.00016632
1500009L16Rik	chr10	83185609	83225507	+	4.09393	9.83895	2.40	1.27	0.00000845	0.00047918
Mxd3	chr13	55423415	55431091	-	2.18306	5.24101	2.40	1.26	0.00061056	0.01923350
Cdc6	chr11	98769202	98785256	+	1.00801	2.40817	2.39	1.26	0.00000838	0.00047918
Rrm2	chr12	25393118	25399011	+	11.1007	26.3764	2.38	1.25	0.00000000	0.00000000
Palm	chr10	79256316	79283641	+	0.942125	2.23847	2.38	1.25	0.00006490	0.00278783
Anln	chr9	22135657	22193650	-	0.741253	1.76085	2.38	1.25	0.00002459	0.00123710
Bub1b	chr2	118423946	118467328	+	3.0315	7.18841	2.37	1.25	0.00000000	0.00000001
Lgals3	chr14	47993534	48005842	+	9.80689	23.2025	2.37	1.24	0.00000000	0.00000000
Slc9a5	chr8	107872157	107893781	+	0.43806	1.03611	2.37	1.24	0.00125029	0.03475220
2810417H13Rik	chr9	65676732	65756601	+	0.08939	21.3894	2.35	1.23	0.00000000	0.00000000
5730590G19Rik	chr7	86805081	86859072	+	0.698249	1.63968	2.35	1.23	0.00000377	0.00023152
Tk1	chr11	117676832	117701222	-	4.95634	11.6165	2.34	1.23	0.00000022	0.00002081
Aurkb	chr11	68859144	68865164	+	2.8121	6.58664	2.34	1.23	0.00000207	0.0014201
Sdc1	chr12	8778201	8800493	+	1.36636	3.19931	2.34	1.23	0.00002847	0.00141280
Farp1	chr14	121434795	121682948	+	0.43259	1.0112	2.34	1.23	0.001170845	0.04495740
Cdk1	chr10	68799382	68815660	-	2.35898	5.5093	2.34	1.22	0.00000038	0.00003270
Pld4	chr12	113998865	114007197	+	2.87706	6.71777	2.33	1.22	0.00000146	0.00010668
Gtse1	chr15	85690186	85707003	+	1.27636	2.95977	2.32	1.21	0.00000540	0.00239891
Clec12a	chr6	129300261	129315321	+	1.0717	2.48052	2.31	1.21	0.00150031	0.04096830
Ccnf	chr17	24360176	24388354	-	2.3324	5.39763	2.31	1.21	0.00000014	0.00001389
Ncaph	chr2	126929545	126959690	-	2.75013	6.3525	2.31	1.21	0.00000007	0.00000774
Prr11	chr11	86902657	86922216	-	1.34658	3.10503	2.31	1.21	0.00001006	0.00056628
Dna2	chr10	62409776	62436936	+	0.88885	2.03733	2.29	1.20	0.00010852	0.00438442
Cybb	chrX	9012377	9046450	-	1.41874	3.24635	2.29	1.19	0.00000072	0.00005907
Eaf2	chr16	36792969	36874912	-	1.5864	3.54831	2.28	1.19	0.00028714	0.01003400
Lat2	chr5	135076134	135090893	-	1.86723	4.24086	2.27	1.18	0.00023906	0.00863170
Kif15	chr9	122860198	122927851	+	1.82707	4.14164	2.27	1.18	0.00000001	0.00000144
Rad51ap1	chr6	126873436	126889573	-	1.34199	3.03282	2.26	1.18	0.00151503	0.04114780
Gzmk	chr13	113962081	113971105	-	7.38159	16.6144	2.25	1.17	0.00000798	0.00046148
Ccnb2	chr9	70255495	70269361	-	6.75175	15.1899	2.25	1.17	0.00000000	0.00000033
Klrc1	chr6	129624876	129628928	-	5.52355	12.4211	2.25	1.17	0.00011977	0.00476812
Fgl2	chr5	20798778	20930495	+	3.28589	7.37975	2.25	1.17	0.00000000	0.00000008
S100a4	chr3	90407691	90409967	+	32.2243	71.8685	2.23	1.16	0.00000000	0.00000000
C330027C09Rik	chr16	48994300	49019818	+	2.84713	6.28348	2.21	1.14	0.00000000	0.00000067
Bnk1	chr19	41003416	41069025	-	1.84253	4.06389	2.21	1.14	0.00018875	0.00700096
Stmn1	chr4	134024234	134029758	+	28.4329	62.6921	2.20	1.14	0.00000000	0.00000000
Figl1	chr11	11700290	11708965	-	2.36517	5.21459	2.20	1.14	0.00000015	0.00001490
Mybl2	chr2	162880370	162910423	+	2.01792	4.43641	2.20	1.14	0.00000059	0.00004898
Hmnr	chr11	40514889	40546939	-	2.02543	4.44982	2.20	1.14	0.00000021	0.00001982
Plk1	chr7	129302950	129313389	+	3.85826	8.46811	2.19	1.13	0.00000023	0.00002098
Traip	chr9	107853293	107874599	+	1.48188	3.22754	2.18	1.12	0.00019483	0.00720216
Cd24a	chr10	43298974	43304071	+	6.15724	13.3948	2.18	1.12	0.00000002	0.00000231
Cep55	chr19	38129514	38148915	+	2.38555	5.14348	2.16	1.11	0.00000178	0.00012649
S100a6	chr3	90416815	90418336	+	32.4689	70.0015	2.16	1.11	0.00000000	0.00000000
Tns3	chr11	8331654	8564538	-	0.668849	1.44126	2.15	1.11	0.00004852	0.00220652
Alcam	chr16	52249108	52453110	-	1.09079	2.33499	2.14	1.10	0.00005561	0.00243701
Dtl	chr1	193361243	193399413	-	1.59534	3.41224	2.14	1.10	0.00000795	0.00046148
Nuf2	chr1	171428064	171461595	-	2.02097	4.31534	2.14	1.09	0.00008866	0.00367750
Rad54l	chr4	115748069	115796295	-	1.15565	2.45991	2.13	1.09	0.00006683	0.00283701
Arhgap33	chr7	31307244	31320028	-	0.822452	1.74399	2.12	1.08	0.00075599	0.02307900
Slc43a3	chr2	84776802	84798666	+	2.12267	4.4985	2.12	1.08	0.00006602	0.00282466
Eil2	chr13	75844931	75909806	+	2.10704	4.45718	2.12	1.08	0.00000261	0.00017181
Arhgap21	chr2	20769545	20889348	-	0.555218	1.17436	2.12	1.08	0.00038033	0.01279700
Anxa2	chr9	69301489	69339592	+	27.2459	57.4778	2.11	1.08	0.00000000	0.00000000
Cdca3	chr6	124780193	124783719	+	6.59632	13.8921	2.11	1.07	0.00000014	0.00001383
Adam11	chr11	102622752	102641576	+	0.707882	1.49037	2.11	1.07	0.00005772	0.00249907
Sgol2	chr1	58042183	58083121	+	1.04691	2.20409	2.11	1.07	0.00000188	0.00013249
Tcf4	chr18	69504145	69847621	+	0.766897	1.61402	2.10	1.07	0.00000092	0.00007204
Zbtb32	chr7	31374699	31377961	-	2.83016	5.95293	2.10	1.07	0.00011902	0.00475541
Ptprj	chr2	90269912	90420804	-	1.25866	2.6474	2.10	1.07	0.00000026	0.00002322
Chaf1a	chr17	56179838	56207449	+	2.4677	5.16998	2.10	1.07	0.00000088	0.00006912
Anxa1	chr19	20447923	20465161	-	2.66967	5.59263	2.09	1.07	0.00070391	0.02180840
Ckap2	chr8	23278623	23296291	-	1.63941	3.43297	2.09	1.07	0.00037191	0.01259430
Diap3	chr14	87056129	87540921	-	1.65791	3.47051	2.09	1.07	0.00003390	0.00163767
Fancd2	chr6	113481675	113546279	+	0.831452	1.73985	2.09	1.07	0.00051677	0.01656730
Neb	chr2	51992166	52194318	-	0.90315	1.88519	2.09	1.06	0.00000000	0.00000000
Dlgap5	chr14	48007453	48038082	-	2.95721	6.1555	2.08	1.06	0.00000001	0.00000111
Cks1b	chr3	89219393	89222213	-	8.32091	17.3081	2.08	1.06	0.00003766	0.00179496
Osbpl3	chr6	50243325	50406169	-	1.55751	3.23011	2.07	1.05	0.00000000	0.00000000
Prdm1	chr10	44156980	44178493	-	1.18094	2.44497	2.07	1.05	0.00004945	0.00223907
Cdc20	chr4	118100697	118109948	-	6.38083	13.2013	2.07	1.05	0.00000004	0.00000410
Mis18bp1	chr12	66233720	66273567	-	1.13472	2.34095	2.06	1.04	0.00035155	0.01197680
Kifc1	chr17	34012610	34027578	-	2.34263	4.81411	2.06	1.04	0.00010713	0.00434435
4930427A07Rik	chr12	114394631	114403669	+	2.6132	5.365	2.05	1.04	0.00000198	0.00013824
Tacc3	chr5	34000795	34014846	+	6.17415	12.6527	2.05	1.04	0.00000000	0.00000012
Prdx4	chrX	151758462	151772997	+	6.59669	13.4833	2.04	1.03	0.00005082	0.00227340
Syt6	chr3	103379203	103439102	+	5.73261	11.7032	2.04	1.03	0.00000000	0.00000000
Hmggb3	chrX	68809167	68813829	+	5.29388	10.8071	2.04	1.03	0.00000250	0.00016632
Aurka	chr2	172181695	172196006	-	2.87521	5.8424	2.03	1.02	0.00012499	0.00493959

BC013712	chr4	132338271	132352279	-	1.54934	3.1245	2.02	1.01	0.00107665	0.03063110
Spats2	chr15	98957275	99042897	+	1.93042	3.88138	2.01	1.01	0.00107515	0.03063110
Nrp1	chr8	130882972	131029375	+	2.09267	4.20615	2.01	1.01	0.00000010	0.00000998
Foxm1	chr6	128313011	128335162	+	2.76277	5.53414	2.00	1.00	0.00000013	0.00001296
Ifitm1	chr7	148153327	148155726	+	8.96156	17.7952	1.99	0.99	0.00000163	0.00011829
Kit	chr5	75971011	76052746	+	0.910059	1.7996	1.98	0.98	0.00077816	0.02355730
Cpd	chr11	76590709	76660510	-	0.67406	1.33227	1.98	0.98	0.00017629	0.00667583
Srgap3	chr6	112667965	112897260	-	0.60005	1.18297	1.97	0.98	0.00037199	0.01259430
Cdca5	chr19	6085096	6091773	+	2.10789	4.15084	1.97	0.98	0.00180712	0.04655700
Entpd1	chr19	40734283	40816092	+	1.05293	2.06907	1.97	0.97	0.00122092	0.03403530
Cdc45	chr16	18780539	18812065	-	3.09324	6.06859	1.96	0.97	0.00000208	0.00014201
Arhgap19	chr19	41841077	41876574	-	2.17622	4.23576	1.95	0.96	0.00000041	0.00003485
Cks2	chr13	51740600	51746031	+	14.12	27.4277	1.94	0.96	0.00000780	0.00045588
Cmp1	chr5	37633318	37683372	+	1.62181	3.09697	1.91	0.93	0.00153717	0.04145400
Uhrf1	chr17	56442759	56462909	+	9.29759	17.7164	1.91	0.93	0.00000000	0.00000000
Bra1	chr11	101350077	101413269	-	1.40099	2.65674	1.90	0.92	0.00001368	0.00075089
483142619Rik	chr12	106168158	106248019	-	2.64142	4.92224	1.86	0.90	0.00000000	0.00000000
Hlf0	chr15	78858641	78860930	+	4.3283	8.06391	1.86	0.90	0.00002257	0.000116235
Ect2	chr3	26996143	27052800	-	2.42737	4.5111	1.86	0.89	0.00002301	0.00117802
Atf6	chr1	172634587	172797902	-	3.7649	4.40022	1.85	0.89	0.00000012	0.00001192
Cd163l1	chr7	147404165	147417044	+	4.00421	7.4021	1.85	0.89	0.00000141	0.00010486
E2f2	chr4	135728308	135751971	+	5.7824	10.5597	1.84	0.88	0.00000000	0.00000011
Xbp1	chr11	5420969	5425875	+	30.8021	56.5616	1.84	0.88	0.00000000	0.00000000
Bard1	chr1	71074108	71149546	-	1.41152	2.58686	1.83	0.87	0.00033142	0.01139820
Fanca	chr8	125778094	125842476	-	1.6008	2.92713	1.83	0.87	0.00068845	0.02143870
Cd19	chr7	133551961	133558384	-	2.20675	4.03446	1.83	0.87	0.00172691	0.04533350
Rap1gap2	chr11	74196984	74403660	-	2.13619	3.90103	1.83	0.87	0.00000206	0.00014201
Phactr2	chr10	12927522	13194202	-	0.578195	1.05319	1.82	0.87	0.00020793	0.00763452
Lgals1	chr15	78757154	78760895	+	88.2335	160.602	1.82	0.86	0.00000000	0.00000000
Mef2c	chr13	83643032	83806684	+	0.945861	1.71624	1.81	0.86	0.00018634	0.00698178
Brip1	chr11	85871637	86014695	-	0.922578	1.6556	1.79	0.84	0.00122136	0.03403530
Napsa	chr7	51827814	51842216	+	4.02957	7.21773	1.79	0.84	0.00180779	0.04655700
Kif22	chr7	134171244	134185934	-	5.18286	9.27267	1.79	0.84	0.0003418	0.00164366
Adap1	chr5	139747829	139801418	-	3.77593	6.74416	1.79	0.84	0.00015600	0.00603349
Whsc1	chr5	34185760	34240615	+	5.67108	10.0487	1.77	0.83	0.00000000	0.00000000
Em1	chr11	106258933	106349110	-	2.40241	4.25088	1.77	0.82	0.00012809	0.00504383
Plekhg3	chr12	77634546	77680026	+	1.38855	2.44545	1.76	0.82	0.00098511	0.02870280
Sox4	chr13	29042598	29045551	-	2.39773	4.22111	1.76	0.82	0.00126332	0.03502480
Ctla4	chr1	60965868	60972674	+	3.72798	6.5031	1.74	0.80	0.00182725	0.04683610
Sacs	chr14	61757293	61877327	+	2.65175	4.62114	1.74	0.80	0.00041735	0.01387070
Cdk6	chr5	3344311	3522225	+	5.37336	9.26834	1.72	0.79	0.00004492	0.00211337
Atp2b4	chr1	135599250	135650324	-	3.66743	6.30491	1.72	0.78	0.00000001	0.00000133
Cd22	chr7	31650422	31665361	-	2.80755	4.81353	1.71	0.78	0.00005674	0.00247578
Ahnak	chr19	9063773	9151409	+	21.4129	36.5355	1.71	0.77	0.00000000	0.00000015
Bra2	chr5	151325197	151372324	+	1.12544	1.91959	1.71	0.77	0.00001445	0.00078515
Tcf19	chr17	35649679	35653769	+	7.42904	12.6426	1.70	0.77	0.00000002	0.00000200
Arhgap11a	chr2	113671649	113688818	-	3.83351	6.51936	1.70	0.77	0.00000221	0.00015015
Ndc80	chr17	71845639	71876197	-	4.25671	7.14394	1.68	0.75	0.00058569	0.01855760
Atad5	chr11	79902901	79949293	+	2.14365	3.59338	1.68	0.75	0.00002309	0.00117802
Lig1	chr7	13844315	13896776	+	9.09169	15.2273	1.67	0.74	0.00000010	0.00000997
Klrk1	chr6	129560338	129573859	+	9.39238	15.7058	1.67	0.74	0.00000000	0.00000000
Ccr2	chr9	124016921	124023879	+	7.24538	12.0949	1.67	0.74	0.00000122	0.00009185
Capg	chr6	72494432	72512974	+	14.0236	23.4011	1.67	0.74	0.00000000	0.00000026
Hivep3	chr4	119487282	119808016	+	1.7862	2.97576	1.67	0.74	0.00002139	0.00111229
Hmgb2	chr8	59990639	59994796	+	54.5936	60.00573	1.66	0.73	0.00000000	0.00000001
Tiam1	chr16	89787355	89974944	-	1.16879	1.9369	1.66	0.73	0.00024553	0.00883574
Cobll1	chr2	64926395	65076683	-	1.60688	2.66228	1.66	0.73	0.00017055	0.00650370
Crel2	chr15	88650075	88657111	+	15.9348	26.2727	1.65	0.72	0.00000342	0.00021736
Lmnb1	chr18	56867466	56913079	+	24.4836	40.0883	1.64	0.71	0.00000000	0.00000016
Fanci	chr7	86537223	86611159	+	2.5329	4.1407	1.63	0.71	0.00081670	0.02445150
Cdca7	chr2	72314275	72324947	+	7.80172	12.6939	1.63	0.70	0.00003154	0.00154401
6720401G13Rik	chrX	47909820	47988435	-	1.38212	2.23516	1.62	0.69	0.00078284	0.02363320
Irf4	chr13	30841126	30858796	+	5.97308	9.6531	1.62	0.69	0.00000264	0.00017259
Zbtb37	chr1	162947886	162964390	-	3.81843	6.16803	1.62	0.69	0.00018759	0.00698178
Gmnn	chr13	24843713	24853806	-	9.51011	15.335	1.61	0.69	0.00188544	0.04787620
Polr1	chrX	90550104	90877494	-	4.01821	6.45418	1.61	0.68	0.00001571	0.00084117
Myb	chr10	20844735	20880790	-	13.2903	21.1589	1.59	0.67	0.00000000	0.00000006
Myadm	chr7	3289038	3299350	+	3.25881	5.18606	1.59	0.67	0.00076863	0.02333360
Rrm1	chr7	109590208	109618285	+	15.2627	24.2587	1.59	0.67	0.00000003	0.00000293
Hipk2	chr6	38647838	38826189	+	5.23015	8.29253	1.59	0.66	0.00000001	0.00000075
Adam8	chr7	147164839	147178387	-	3.84844	6.09521	1.58	0.66	0.00105255	0.03058130
Hells	chr19	39005479	39042767	+	6.99198	11.0532	1.58	0.66	0.00004721	0.00216503
Polg	chr16	37011871	37095503	+	1.25444	1.98233	1.58	0.66	0.00151824	0.04114780
Tyms	chr5	30384739	30400165	-	3.1149	4.89681	1.57	0.65	0.00081078	0.02434140
Cd74	chr18	60963502	60972306	+	133.393	208.576	1.56	0.64	0.00000000	0.00000000
Acpp	chr9	104190569	104240052	-	9.28211	14.4775	1.56	0.64	0.00000041	0.00003519
Il18rap	chr1	40572206	40606142	+	9.11682	14.1314	1.55	0.63	0.00004965	0.00223907
Ncapd2	chr6	125118024	125141604	+	14.6183	22.6444	1.55	0.63	0.00000009	0.00000934
Runx2	chr17	44740949	45256233	-	3.84366	5.93377	1.54	0.63	0.00000011	0.00001089
Wdfy4	chr14	33772732	33998252	-	2.72125	4.1981	1.54	0.63	0.00004601	0.00214605
Vasn	chr16	4626883	4679720	+	4.13954	6.38128	1.54	0.62	0.00151764	0.04114780
Incpn	chr19	9946786	9974023	-	11.2596	17.3559	1.54	0.62	0.00000249	0.00016632
Foxrd2	chr15	77770951	77787152	-	2.40696	3.70705	1.54	0.62	0.00050835	0.01634540
Sytl3	chr17	6877959	6942393	+	23.0712	35.4076	1.53	0.62	0.00000001	0.00000115
Slamf7	chr1	173562533	173583168	-	6.86265	10.4929	1.53	0.61	0.00004703	0.00216503
Rnf216	chr5	143752571	143874699	-	2.66932	3.75269	1.52	0.60	0.00025694	0.00915531
Cenpa	chr5	30969274	30977199	+	12.0859	18.325	1.52	0.60	0.00114981	0.03237330
2900026A02Rik	chr5	113515342	113592333	-	2.40854	3.65179	1.52	0.60	0.000173796	0.04533450
Tmp1	chr4	133047014	133054465	-	17.711	26.7919	1.51	0.60	0.00004589	0.00214605

Myo5a	chr9	74919012	75071494	+	2.55498	3.84414	1.50	0.59	0.00005083	0.00227340
Pou2af1	chr9	51021794	51048184	+	13.6466	20.4399	1.50	0.58	0.00004689	0.00216503
Kpna2	chr11	106849942	106860839	-	29.6233	44.1981	1.49	0.58	0.00000196	0.00013737
Ezh2	chr6	47480272	47545029	-	12.643	18.8025	1.49	0.57	0.00000021	0.00002003
Ldlr	chr9	21528019	21554362	+	4.33751	6.40559	1.48	0.56	0.000082524	0.02457180
Gsg2	chr11	72904096	72960951	-	12.0689	17.6611	1.46	0.55	0.00006910	0.00292197
Pole	chr5	110715337	110766472	+	3.36875	4.91221	1.46	0.54	0.00044688	0.01467290
Itgb1	chr8	131209553	131257479	+	57.0935	83.0261	1.45	0.54	0.00000335	0.00021389
H2-Ab1	chr17	34400171	34406363	+	42.8204	62.2222	1.45	0.54	0.00003083	0.00151591
Rrbp1	chr2	143773130	143836999	-	14.4862	20.9126	1.44	0.53	0.00000145	0.00010668
Csda	chr6	131314875	131338468	-	19.8615	28.5526	1.44	0.52	0.00000818	0.00047062
Mast2	chr4	115979366	116136788	-	4.05846	5.83044	1.44	0.52	0.00000279	0.00018154
Fut8	chr12	78339090	78576983	+	14.0025	20.0812	1.43	0.52	0.00000001	0.00000129
Fam129a	chr1	153418502	153566477	+	5.40175	7.73657	1.43	0.52	0.00153312	0.04144770
Baz2b	chr2	59737419	59963797	-	4.61737	6.59916	1.43	0.52	0.00012906	0.00506378
Ccdc50	chr16	27389062	27452304	+	9.30244	13.1895	1.42	0.50	0.00000000	0.00000006
Hsp90b1	chr10	86153585	86168189	-	150.36	213.057	1.42	0.50	0.00006423	0.00276986
Smc2	chr4	52452120	52501131	+	10.2508	14.5015	1.41	0.50	0.00004820	0.00220122
Txndc5	chr13	38592143	38620329	-	34.9961	49.4377	1.41	0.50	0.00001407	0.00076826
D730040F13Rik	chr4	56888884	56960301	-	7.16397	10.1014	1.41	0.50	0.00018216	0.00685019
Cd79b	chr11	106172654	106175843	-	25.0797	35.261	1.41	0.49	0.00088494	0.02620580
Ciita	chr16	10480164	10527657	+	1.91288	2.68124	1.40	0.49	0.00079698	0.02399320
Wdhd1	chr14	47860618	47896532	-	6.86155	9.608	1.40	0.49	0.00092084	0.02712120
Kif20b	chr19	34996847	35050221	+	4.33713	6.06925	1.40	0.48	0.00157403	0.04203080
Gm4759	chr7	113565063	113584587	-	26.1986	36.6582	1.40	0.48	0.00005519	0.00242820
Fyco1	chr9	123698627	123761020	-	14.0992	19.6075	1.39	0.48	0.00000457	0.00027765
Acof7	chr4	151552208	151645964	+	11.6288	16.046	1.38	0.46	0.00032042	0.01109030
Pde1b	chr15	103333228	103360483	+	12.1583	16.7639	1.38	0.46	0.00063375	0.01979200
Rad18	chr6	112569844	112646664	-	6.82619	9.37527	1.37	0.46	0.00070661	0.02181660
Dut	chr2	125072983	125084785	+	14.8046	20.2988	1.37	0.46	0.00000123	0.00009185
Cd44	chr2	102651299	102741822	-	13.4436	18.3418	1.36	0.45	0.00019793	0.00729172
8-Sep	chr11	53333237	53357598	+	2.89686	3.94822	1.36	0.45	0.00082336	0.02457180
Trip11	chr12	103075581	103151381	-	11.4334	15.5292	1.36	0.44	0.00015773	0.00607858
Fkbp5	chr17	28536039	28623057	-	35.3406	47.9891	1.36	0.44	0.00003982	0.00188998
Hip1r	chr5	124423636	124453224	+	12.2865	16.6755	1.36	0.44	0.00032468	0.01120190
Mcm3	chr1	20793094	20810294	-	28.831	39.0812	1.36	0.44	0.00013264	0.00518521
Carns1	chr19	4164323	4175479	-	9.51385	12.8175	1.35	0.43	0.00155901	0.04193900
H2-Aa	chr17	34419695	34424716	-	69.1243	92.6845	1.34	0.42	0.00062689	0.01969070
Itga4	chr2	79095582	79269145	+	69.6957	93.0326	1.33	0.42	0.00186519	0.04754700
Nfic	chr10	80858935	80889918	-	6.28514	8.34668	1.33	0.41	0.00022708	0.00825371
Ctla2a	chr13	61035515	61037986	-	19.4388	25.7897	1.33	0.41	0.00186734	0.04754700
Tfdp1	chr8	13339673	13377702	+	26.1637	34.6429	1.32	0.40	0.00178075	0.04607890
Tpi1	chr6	124758958	124764314	-	33.5171	44.3095	1.32	0.40	0.00117720	0.03305890
Lman1	chr18	66140392	66162289	-	11.5044	15.1765	1.32	0.40	0.00106753	0.03058130
Golgb1	chr16	36880604	36933171	+	9.32996	12.2956	1.32	0.40	0.00034964	0.01194940
Zmiz1	chr14	26278670	26486233	+	15.6506	20.6182	1.32	0.40	0.00045139	0.01473420
Ptprs	chr17	56551848	56615903	-	4.96865	6.52787	1.31	0.39	0.00011521	0.00462012
Cbl	chr9	43957344	44042129	-	39.9394	52.2603	1.31	0.39	0.00073526	0.02257280
Cbx5	chr15	103021976	103070247	-	14.7657	19.3207	1.31	0.39	0.00000348	0.00021840
Dbf4	chr5	8396968	8422716	-	12.0023	15.6779	1.31	0.39	0.00163405	0.04342020
Mcm5	chr8	77633426	77652338	+	23.2788	30.2891	1.30	0.38	0.00114047	0.03219380
Atxn1	chr13	45645124	46060360	-	3.94749	5.1252	1.30	0.38	0.00016861	0.00645240
Il18r1	chr1	40522396	40557699	+	37.4566	48.5128	1.30	0.37	0.00004669	0.00216503
Zbed6	chr1	135516447	135557957	-	17.486	22.6069	1.29	0.37	0.00143603	0.03951070
Tulp4	chr17	6106829	6240637	+	10.2739	13.2729	1.29	0.37	0.00000025	0.00002270
Camk4	chr18	33098694	33355421	+	10.4971	13.5417	1.29	0.37	0.00105963	0.03058130
Xrn1	chr9	95855178	95953448	+	16.2551	20.9434	1.29	0.37	0.00174317	0.04533450
Lpp	chr16	24392641	24992664	+	3.78445	4.87051	1.29	0.36	0.00001766	0.00094090
Ankrd52	chr10	127814179	127831062	+	20.0574	25.7447	1.28	0.36	0.00120502	0.03375300
Cdc25b	chr2	131012683	131024247	+	22.6742	29.0484	1.28	0.36	0.00000068	0.00005594
Cep110	chr2	34965011	35034342	+	37.9508	48.5698	1.28	0.36	0.00000001	0.00000177
Macf1	chr4	123026875	123361603	-	105.597	135.028	1.28	0.35	0.00039509	0.01321180
Akap9	chr5	3928185	4080204	+	11.4165	14.5622	1.28	0.35	0.00170780	0.04495740
Tom1l2	chr11	60040215	60166407	-	7.69296	9.78044	1.27	0.35	0.00147895	0.04058910
Nfat5	chr8	109817369	109903417	+	12.2438	15.4018	1.26	0.33	0.00000000	0.00000000
Rcbtb2	chr14	73542316	73583861	+	15.1652	19.0279	1.25	0.33	0.00076015	0.02314110
Cep250	chr2	155782293	155824636	+	14.8938	18.6439	1.25	0.32	0.00000000	0.00000002
Pik3cg	chr12	32858261	32893514	-	15.8886	19.6199	1.23	0.30	0.00148427	0.04063250
Zfp280c	chrX	45894802	45947629	-	13.4061	16.4746	1.23	0.30	0.00000498	0.00029729
Taf1d	chr9	15087780	15162232	+	46.1427	56.5385	1.23	0.29	0.00015584	0.00603349
Zfp192	chr13	21605089	21622983	-	6.4649	7.90692	1.22	0.29	0.00163944	0.04345720
Gta1	chr2	35255698	35316945	-	10.76	13.0629	1.21	0.28	0.00174363	0.04533450
Nin	chr12	71112421	71212912	-	25.8502	30.9919	1.20	0.26	0.00021967	0.00801144
Abi2	chr1	158488917	158579750	+	8.4283	10.0652	1.19	0.26	0.00000847	0.00047918
Pou2f1	chr1	167718811	167932765	-	8.21566	9.79866	1.19	0.25	0.00106669	0.03058130
Klc1	chr12	112997059	113052052	+	18.6516	22.2441	1.19	0.25	0.00023670	0.00857473
Eif4g3	chr4	137549370	137762994	+	35.7142	42.5093	1.19	0.25	0.00000113	0.00008565
Dido1	chr2	180392668	180444704	-	24.2705	28.8544	1.19	0.25	0.00018699	0.00698178
Atp2a2	chr5	122903521	122952234	-	36.9594	43.7518	1.18	0.24	0.00174024	0.04533450
Jmjd1c	chr10	66590005	66719074	+	22.4002	26.4068	1.18	0.24	0.00013633	0.00531046
Pan2	chr10	127740390	127758414	+	19.9635	23.5339	1.18	0.24	0.00024839	0.00890907
Smc5	chr19	23280930	23348387	-	11.7024	13.7503	1.17	0.23	0.00106644	0.03058130
Tnk2	chr16	32644728	32683579	+	21.7727	25.5133	1.17	0.23	0.00005695	0.00247578
Orc3	chr4	34497863	34562191	-	13.0445	15.2701	1.17	0.23	0.00030343	0.01053590
Kdm2b	chr5	123320684	123439101	-	11.4803	13.4098	1.17	0.22	0.00110220	0.03119660
Cdk12	chr11	98064618	98114854	+	18.0938	21.0531	1.16	0.22	0.00000036	0.00003187
Ino80d	chr1	63094374	63160841	-	13.5591	15.7223	1.16	0.21	0.00000169	0.00012137
Rbm3	chrX	7716100	7725089	-	370.863	429.848	1.16	0.21	0.00003437	0.00164558
4833420G17Rik	chr13	120251565	120274924	+	39.6979	45.9551	1.16	0.21	0.00058757	0.01856320

Ubr5	chr15	37897082	38008608	-	30.9643	35.8405	1.16	0.21	0.00000034	0.00003045
Vps39	chr2	120142196	120178869	-	18.166	21.016	1.16	0.21	0.00045705	0.01487200
Tnp01	chr13	99612035	99696339	-	41.7803	48.1939	1.15	0.21	0.00009579	0.00394324
Atp2a3	chr11	72774670	72806545	+	104.754	120.516	1.15	0.20	0.00000000	0.00000000
Ubr2	chr17	47065239	47147481	-	30.1701	34.6052	1.15	0.20	0.00005220	0.00232517
Phc3	chr3	30798216	30868337	-	21.7167	24.8817	1.15	0.20	0.00000598	0.00035318
Ncor1	chr11	62094974	62270834	-	62.2753	71.1717	1.14	0.19	0.00018160	0.00685019
Gabpb2	chr3	94985689	95021864	-	40.7483	46.4246	1.14	0.19	0.00000004	0.00000434
Atp13a3	chr16	30312509	30388616	-	39.1522	44.5292	1.14	0.19	0.00011220	0.00451609
Ciz1	chr2	32218529	32233833	+	25.2373	28.6863	1.14	0.18	0.00008949	0.02741540
Zfp207	chr11	80196780	80219375	+	90.2623	102.492	1.14	0.18	0.00043377	0.01432700
Tnrc6b	chr15	80541742	80771516	+	21.5355	24.4231	1.13	0.18	0.00000104	0.00008091
Ncor2	chr5	125497522	125659584	-	20.2265	22.9126	1.13	0.18	0.00000014	0.00001383
Smarca4	chr9	21420612	21508674	+	31.9715	36.1845	1.13	0.18	0.00000000	0.00000000
Mink1	chr11	70376382	70427984	+	30.4138	34.3947	1.13	0.18	0.00008949	0.00369818
Tacc1	chr8	26265203	26311921	-	31.8701	35.9245	1.13	0.17	0.00009643	0.00395471
Trpm7	chr2	126617293	126701997	-	31.5063	35.5133	1.13	0.17	0.00039826	0.01327700
Upb1	chr9	113840051	113935869	+	40.4668	45.5576	1.13	0.17	0.00110227	0.03119660
Myo9b	chr8	73796612	73884611	+	39.2481	44.0691	1.12	0.17	0.00000489	0.00029343
Plekhg2	chr7	29144622	29157681	-	32.582	36.4095	1.12	0.16	0.00138760	0.03827510
Aak1	chr6	86799510	86953221	+	19.9326	22.2722	1.12	0.16	0.00000322	0.00020720
Prc2b	chr2	32006667	32090057	+	56.8607	63.1622	1.11	0.15	0.00012421	0.00492669
Tcof1	chr18	60973409	61008618	-	41.9952	46.631	1.11	0.15	0.00026827	0.00943528
Erbp2ip	chr13	104608865	104710594	-	50.8063	56.151	1.11	0.14	0.00001543	0.00083016
Srst11	chr3	157673456	157699603	-	67.4155	74.3196	1.10	0.14	0.00000012	0.00001233
Nolc1	chr19	46150352	46160020	+	31.1797	34.342	1.10	0.14	0.00026510	0.00935410
Txnip	chr3	96359690	96370724	+	284.427	313.223	1.10	0.14	0.00000530	0.00031452
Cic	chr7	26067197	26079167	+	40.7874	44.8905	1.10	0.14	0.000021079	0.00771320
Bclaf1	chr10	20032274	20062307	+	49.6633	54.5939	1.10	0.14	0.00000000	0.00000042
Srtr	chr5	137736931	137748902	-	64.819	71.2328	1.10	0.14	0.00157034	0.04203080
Tcf12	chr9	71692058	71959626	-	43.3825	47.4063	1.09	0.13	0.00002229	0.00115379
Otud4	chr8	82163574	82201654	+	36.679	39.9081	1.09	0.12	0.00186810	0.04754700
Sbf1	chr15	89118666	89145742	-	70.0973	75.8389	1.08	0.11	0.00046673	0.01514170
Slc38a1	chr15	96401848	96473344	+	41.9327	45.3183	1.08	0.11	0.00007494	0.00315663
Dnm2	chr9	21229351	21314630	+	92.1961	99.4405	1.08	0.11	0.00000000	0.00000038
Hnrmpc	chr14	52693054	52723703	-	124.601	119.393	0.96	-0.06	0.00001126	0.00063107
Samhd1	chr2	156923264	156960958	-	149.531	139.212	0.93	-0.10	0.00043503	0.01432700
DI6Erd472e	chr16	78540580	78576933	-	27.8968	25.9676	0.93	-0.10	0.00038724	0.01298940
Gtf2i	chr5	134713703	134790616	-	99.3811	91.0876	0.92	-0.13	0.00028977	0.01009360
Foxp1	chr6	98875335	99385339	-	48.5973	44.2328	0.91	-0.14	0.00000000	0.00000000
Tapbp	chr17	34056422	34066235	+	169.977	153.997	0.91	-0.14	0.00048020	0.01553230
Ube2h	chr6	30161288	30254539	-	64.1776	57.4049	0.89	-0.16	0.00181421	0.04661180
Irf9	chr14	56222821	56228867	+	64.1128	55.6208	0.87	-0.20	0.00090237	0.02664940
Rnf138	chr18	21159841	21186724	+	30.5337	25.4267	0.83	-0.26	0.00050736	0.01634540
Irf271l	chr12	104672398	104678455	+	95.6508	78.2059	0.82	-0.29	0.00002676	0.00133404
Ccr9	chr9	123676328	123692575	+	44.8095	36.0769	0.81	-0.31	0.00001362	0.00075089
Tgtp2	chr11	48851161	48948889	-	72.048	56.9009	0.79	-0.34	0.00005287	0.00234549
Slfn5	chr11	82724754	82778352	+	26.7938	20.3914	0.76	-0.39	0.00054802	0.01751720
Irf2712a	chr12	104680376	104681890	-	150.988	110.682	0.73	-0.45	0.00097649	0.02852830
Art2b	chr7	108727373	108729675	-	86.0613	63.0358	0.73	-0.45	0.00070434	0.02180840
Gml4446	chr19	34667377	34676458	-	78.9068	57.4356	0.73	-0.46	0.00000000	0.00000000
Irf7	chr7	148449081	148452323	-	72.6063	51.2472	0.71	-0.50	0.00000000	0.00000000
Isg15	chr4	155573532	155574927	-	36.0247	23.7927	0.66	-0.60	0.00137894	0.03813300
Rtp4	chr16	23610004	23614308	+	40.2341	24.8563	0.62	-0.69	0.00000075	0.00006093
Oas2	chr5	121180341	121199857	-	13.1092	8.04455	0.61	-0.70	0.00000316	0.00020461
Gbp10	chr5	105644717	105668552	-	6.38986	3.8756	0.61	-0.72	0.00058109	0.01851980
Irf3	chr19	34658018	34663472	+	21.956	13.096	0.60	-0.75	0.00000225	0.00015208
Lars2	chr9	123276057	123371782	+	371.428	213.705	0.58	-0.80	0.00000003	0.00000388
Oas12	chr5	115346942	115362254	+	9.59107	5.50266	0.57	-0.80	0.00001919	0.00100271
Irf1	chr19	34715378	34724499	+	22.3374	12.4361	0.56	-0.84	0.00000001	0.00000131
Klra13-ps	chr6	129922099	130336892	-	4.50487	0	0.00	0.00	0.00000145	0.00010668

SUPPLEMENTAL TABLE I. Differential gene expression is observed in CD8⁺ T cells from naïve mice developmentally exposed to Veh or TCDD, and from infected mice developmentally exposed to Veh or TCDD. Genes with differential expression at FDR<5% are shown.