

Figure S1. Bone marrow-derived DCs were either unstimulated or stimulated with the LPS for 24 h. The expression levels of CD80, CD86 and MHC-II were determined by flow cytometry. DC, dendritic cell; LPS, lipopolysaccharide.

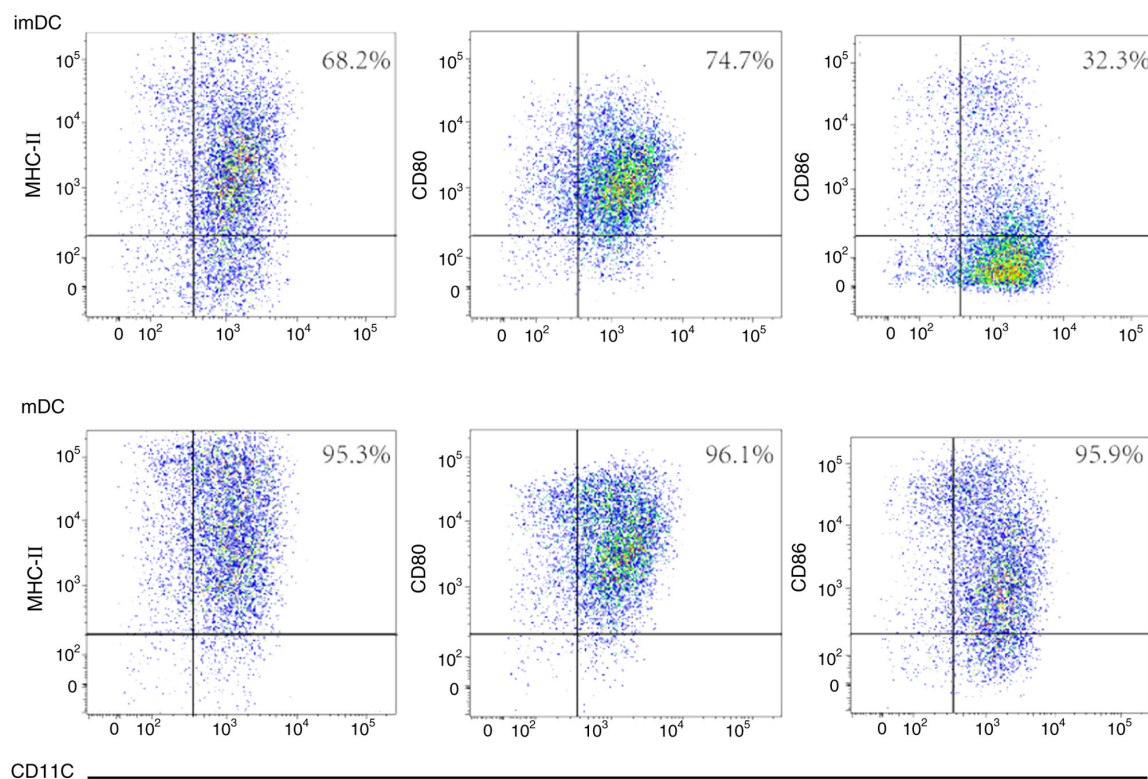


Table SI. Primers for reverse transcription-quantitative PCR.

lncRNA Ensembl ID		Sequence (5'→3')	Length (base pairs)
ENSMUST00000145122	Forward	TCAGCACTCTGGGCTCTACC	97
	Reverse	ATGACCAAGCCTCTCTGCCT	
ENSMUST00000143493	Forward	CGATGTGGCCGTGAATGGAA	117
	Reverse	GCATTGAGCTGCTTCAGGGT	
ENSMUST00000175954	Forward	TCCCTTGGCCCTATCAGTCG	97
	Reverse	GCCGACTTGATCCCAACCAG	
ENSMUST00000129131	Forward	AGAGGGTGAGTGAGATGGGC	80
	Reverse	GGGATGAGTGGCAAGAAGGC	
ENSMUST00000099676	Forward	AGTAGACACTTGCCTTGCCTC	110
	Reverse	AGTAGACACTTGCCTTGCCTC	
ENSMUST00000128710	Forward	AACTGTGGCATGTGGGGTTC	145
	Reverse	GAGGCACAGATGGTGAGAGC	
ENSMUST00000129736	Forward	TCCAGGGTTTGTAGCGTTGC	137
	Reverse	CTTGCTCCTCTTCCGTCAGC	
ENSMUST00000134860	Forward	TACCCAGAAATACCCGCCTGT	91
	Reverse	AGGCTGGAGATGCCAGATGA	
ENSMUST00000173666	Forward	TCGTCTCTTCCTCGCTCGTC	90
	Reverse	CGGGAAACCGCCTTTGTCTT	

Table SII. Differentially expressed lncRNAs (n=108) in mDex and imDex.

lncRNA Ensembl ID	logFC	P-value	mDex- FPKM	imDex- FPKM	Regulation	lncRNA type	Associated gene
ENSMUST00000145122	5.167755	0.000002	5.167755	0.000000	Up	Natural antisense	Crybg2
ENSMUST00000140159	4.615705	0.000667	4.615705	0.000000	Up	Exon sense-overlapping	Oasl1
ENSMUST00000143493	3.713250	0.048672	4.977137	1.263887	Up	Exon sense-overlapping	Procr
ENSMUST00000175954	3.397644	0.000943	4.014314	0.616670	Up	Exon sense-overlapping	Clec4e
ENSMUST00000129131	3.099203	0.002246	3.656943	0.557740	Up	Exon sense-overlapping	Traf1
ENSMUST00000147969	2.911523	0.025659	3.405420	0.493897	Up	Exon sense-overlapping	Kmt5a
ENSMUST00000136970	2.873180	0.000014	2.873180	0.000000	Up	Exon sense-overlapping	Crtc2
ENSMUST00000099676	2.767446	0.028010	7.562390	4.794943	Up	Intergenic	
ENSMUST00000180425	2.754923	0.000037	2.835645	0.080722	Up	Intron sense-overlapping	Ppp1r9a
ENSMUST00000211660	2.724707	0.000014	2.724707	0.000000	Up	Exon sense-overlapping	Saa3
ENSMUST00000180563	2.721153	0.000060	2.834510	0.113357	Up	Intergenic	
ENSMUST00000227491	2.572388	0.001620	3.276535	0.704146	Up	Exon sense-overlapping	AL607142.1
ENSMUST00000226756	2.526981	0.021469	2.526981	0.000000	Up	Exon sense-overlapping	Eif3h
ENSMUST00000152770	2.521002	0.008125	2.632321	0.111319	Up	Exon sense-overlapping	Erlec1
ENSMUST00000200302	2.277089	0.032893	3.251491	0.974403	Up	Exon sense-overlapping	Ttyh3
ENSMUST00000123465	2.097868	0.014597	2.414995	0.317127	Up	Exon sense-overlapping	Stoml2
ENSMUST00000143423	2.061292	0.027195	4.162516	2.101224	Up	Exon sense-overlapping	Il1rn
ENSMUST00000146373	2.052830	0.019257	2.932911	0.880081	Up	Exon sense-overlapping	Irf7
ENSMUST00000172782	2.047391	0.009501	2.271132	0.223741	Up	Exon sense-overlapping	H2-K1
ENSMUST00000160301	2.028771	0.002741	2.028771	0.000000	Up	Exon sense-overlapping	Ciapi1
ENSMUST00000149644	1.962443	0.010236	2.232370	0.269926	Up	Exon sense-overlapping	Hk3
ENSMUST00000227415	1.959451	0.026713	4.281906	2.322455	Up	Intergenic	
ENSMUST00000137903	1.948495	0.021909	2.155395	0.206900	Up	Exon sense-overlapping	Ddx58
ENSMUST00000077874	1.942876	0.032488	3.228869	1.285993	Up	Intergenic	
ENSMUST00000143784	1.942706	0.000459	1.942706	0.000000	Up	Exon sense-overlapping	Ikbkg
ENSMUST00000138094	1.915750	0.000155	1.946614	0.030864	Up	Exon sense-overlapping	Limd2
ENSMUST00000226421	1.858234	0.035384	3.649620	1.791386	Up	Exon sense-overlapping	Zfand3
ENSMUST00000131399	1.855030	0.002767	1.855030	0.000000	Up	Exon sense-overlapping	Irf7
ENSMUST00000198591	1.854114	0.016073	2.248934	0.394820	Up	Exon sense-overlapping	Shisa5
ENSMUST00000148807	1.852592	0.011193	2.650884	0.798292	Up	Bidirectional	Aip
ENSMUST00000156137	1.817771	0.016610	2.519657	0.701886	Up	Exon sense-overlapping	Ccl22
ENSMUST00000150214	1.796020	0.000692	3.328920	1.532900	Up	Exon sense-overlapping	Ikbkb
ENSMUST00000150153	1.741104	0.016717	1.931261	0.190158	Up	Exon sense-overlapping	Hnrnp1
ENSMUST00000126558	1.725720	0.000165	1.725720	0.000000	Up	Exon sense-overlapping	Ppie
ENSMUST00000123032	1.687779	0.003603	1.687779	0.000000	Up	Exon sense-overlapping	Cflar
ENSMUST00000135983	1.610954	0.032785	2.942795	1.331841	Up	Exon sense-overlapping	Hk3
ENSMUST00000155288	1.553318	0.009980	1.553318	0.000000	Up	Exon sense-overlapping	Exoc7
ENSMUST00000135800	1.526343	0.028232	2.279354	0.753011	Up	Exon sense-overlapping	Golgb1
ENSMUST00000134057	1.524443	0.023188	1.816615	0.292172	Up	Exon sense-overlapping	Phrf1
ENSMUST00000189045	1.509175	0.031135	1.957265	0.448090	Up	Bidirectional	Kmt2e
ENSMUST00000165686	1.475775	0.017287	3.184045	1.708270	Up	Exon sense-overlapping	Gtpbp2
ENSMUST00000205231	1.460375	0.046061	1.460375	0.000000	Up	Exon sense-overlapping	Fgfr1op2
ENSMUST00000132930	1.460040	0.000870	1.551581	0.091541	Up	Exon sense-overlapping	Dhx58
ENSMUST00000162013	1.433552	0.000015	1.434912	0.001360	Up	Exon sense-overlapping	Sytl3
ENSMUST00000138189	1.426398	0.041856	1.835755	0.409357	Up	Exon sense-overlapping	Srp14
ENSMUST00000212382	1.424260	0.001866	2.649273	1.225013	Up	Exon sense-overlapping	Nlrc5
ENSMUST00000208456	1.421287	0.017005	1.537014	0.115728	Up	Exon sense-overlapping	Akap13
ENSMUST00000165910	1.396222	0.027683	1.396222	0.000000	Up	Exon sense-overlapping	Cd200
ENSMUST00000182115	1.386802	0.027691	5.900414	4.513612	Up	Exon sense-overlapping	Gapdh
ENSMUST00000137612	1.380066	0.020379	1.720153	0.340086	Up	Exon sense-overlapping	Il10rb
ENSMUST00000141716	1.378074	0.010781	1.596018	0.217944	Up	Exon sense-overlapping	Pik3r5
ENSMUST00000138904	1.368697	0.029055	1.506154	0.137457	Up	Exon sense-overlapping	B4galt3
ENSMUST00000145248	1.359758	0.014543	1.649233	0.289475	Up	Exon sense-overlapping	Ntan1
ENSMUST00000126588	1.352822	0.019810	1.352822	0.000000	Up	Exon sense-overlapping	Ptges
ENSMUST00000137445	1.347141	0.012466	2.351763	1.004622	Up	Exon sense-overlapping	Cd52

Table SII. Continued.

lncRNA Ensembl ID	logFC	P-value	mDex- FPKM	imDex- FPKM	Regulation	lncRNA type	Associated gene
ENSMUST00000150556	1.345669	0.047408	2.649990	1.304320	Up	Intergenic	
ENSMUST00000151105	1.338016	0.022796	1.604187	0.266171	Up	Exon sense-overlapping	NUpr1
ENSMUST00000125831	1.337815	0.016348	1.470802	0.132987	Up	Exon sense-overlapping	Heatr6
ENSMUST00000145715	1.330505	0.000147	1.330505	0.000000	Up	Exon sense-overlapping	Src
ENSMUST00000148547	1.311423	0.017409	1.339792	0.028368	Up	Exon sense-overlapping	Ehd1
ENSMUST00000100716	1.302666	0.034903	2.305557	1.002891	Up	Intergenic	
ENSMUST00000107229	1.262932	0.026076	1.504528	0.241596	Up	Exon sense-overlapping	Pip5k1a
ENSMUST00000182498	1.262470	0.026038	1.883226	0.620755	Up	Natural antisense	Mcmcdc2
ENSMUST00000130737	1.258107	0.011372	1.573463	0.315356	Up	Exon sense-overlapping	Psmb2
ENSMUST00000171451	1.250488	0.024164	1.327302	0.076814	Up	Exon sense-overlapping	Eif2ak2
ENSMUST00000162363	1.228934	0.031023	1.603322	0.374388	Up	Exon sense-overlapping	Alg9
ENSMUST00000144442	1.217973	0.006779	1.217973	0.000000	Up	Exon sense-overlapping	Il1f6
ENSMUST00000124684	1.205384	0.041077	1.381366	0.175981	Up	Exon sense-overlapping	Acox1
ENSMUST00000138985	1.200839	0.008915	1.200839	0.000000	Up	Exon sense-overlapping	Uap111
ENSMUST00000180529	1.186511	0.041931	1.553099	0.366588	Up	Intergenic	
ENSMUST00000132754	1.173219	0.049370	1.634980	0.461761	Up	Exon sense-overlapping	Lrpap1
ENSMUST00000137597	1.152784	0.007430	1.152784	0.000000	Up	Exon sense-overlapping	Fkbp1a
ENSMUST00000152860	1.146788	0.005141	1.458404	0.311616	Up	Exon sense-overlapping	Ddx42
ENSMUST00000150549	1.138974	0.009123	1.269718	0.130744	Up	Exon sense-overlapping	Acox1
ENSMUST00000064646	1.122172	0.039996	1.274573	0.152400	Up	Intergenic	
ENSMUST00000203301	1.120933	0.024392	1.196751	0.075818	Up	Natural antisense	Tax1bp1
ENSMUST00000135174	1.119267	0.011542	1.326485	0.207218	Up	Exon sense-overlapping	Gimap5
ENSMUST00000127677	1.104353	0.022636	1.329700	0.225347	Up	Exon sense-overlapping	Eif4a1
ENSMUST00000152666	1.103396	0.003186	1.221577	0.118181	Up	Exon sense-overlapping	Pnir
ENSMUST00000191832	1.084942	0.014005	1.323924	0.238982	Up	Exon sense-overlapping	Rassf1
ENSMUST00000225560	1.082144	0.033393	1.082144	0.000000	Up	Exon sense-overlapping	Il3ra
ENSMUST00000154519	1.057640	0.016210	1.901366	0.843726	Up	Exon sense-overlapping	Commd3
ENSMUST00000134769	1.052122	0.038968	1.374005	0.321884	Up	Exon sense-overlapping	Nat9
ENSMUST00000135971	1.045598	0.037912	1.282580	0.236982	Up	Exon sense-overlapping	Inpp5b
ENSMUST00000152887	1.035934	0.017629	1.219874	0.183940	Up	Exon sense-overlapping	Parl
ENSMUST00000175739	1.032264	0.037495	1.130494	0.098230	Up	Intron sense-overlapping	Zeb1
ENSMUST00000126451	1.021469	0.023260	2.378745	1.357276	Up	Exon sense-overlapping	Anp32a
ENSMUST00000208054	-3.088583	0.017697	0.584645	1.971517	Down	Exon sense-overlapping	Rps17
ENSMUST00000128710	-2.635473	0.034833	0.695550	0.975120	Down	Exon sense-overlapping	Dennd4c
ENSMUST00000172591	-2.277364	0.027474	0.658391	0.000000	Down	Intronic antisense	Mbd6
ENSMUST00000129736	-2.273848	0.017209	0.578477	0.509721	Down	Exon sense-overlapping	Tpd52
ENSMUST00000134860	-1.958823	0.027537	0.658391	1.738197	Down	Exon sense-overlapping	Uxs1
ENSMUST00000173666	-1.956765	0.012972	0.549993	0.046868	Down	Exon sense-overlapping	H2afz
ENSMUST00000138419	-1.882971	0.017912	0.588060	0.023853	Down	Exon sense-overlapping	Pnir
ENSMUST00000150485	-1.622121	0.019913	0.599635	0.463936	Down	Exon sense-overlapping	Rpl22
ENSMUST00000128188	-1.516148	0.024768	0.641306	0.752065	Down	Exon sense-overlapping	Adprhl2
ENSMUST00000124932	-1.442443	0.014616	0.564755	1.131789	Down	Natural antisense	Tmem88
ENSMUST00000135515	-1.316002	0.039440	0.717240	0.381355	Down	Exon sense-overlapping	Mcrip1
ENSMUST00000222348	-1.275620	0.013500	0.556690	0.236681	Down	Intergenic	
ENSMUST00000159119	-1.228033	0.029593	0.672347	0.000000	Down	Bidirectional	Zbtb37
ENSMUST00000145976	-1.193776	0.017482	0.583045	0.259666	Down	Exon sense-overlapping	Ybx1
ENSMUST00000176354	-1.176402	0.015767	0.572370	0.314094	Down	Exon sense-overlapping	Pkib
ENSMUST00000101522	-1.120686	0.010780	0.534296	0.610254	Down	Bidirectional	Kmt2e
ENSMUST00000176607	-1.109172	0.000270	0.235007	0.014698	Down	Exon sense-overlapping	Senp6
ENSMUST00000135128	-1.102479	0.006154	0.456521	0.341145	Down	Natural antisense	Gorasp2
ENSMUST00000192972	-1.068469	0.029110	0.666687	0.000000	Down	Bidirectional	Pfkfb4
ENSMUST00000154254	-1.051879	0.002124	0.340082	0.000000	Down	Exon sense-overlapping	Mmadhc
ENSMUST00000139329	-1.026712	0.034491	0.692846	0.602129	Down	Exon sense-overlapping	Slc41a2

lncRNA, long noncoding RNA; m, mature; im, immature; Dex, dendritic cell-derived exosomes; FPKn M, Fragments Per Kilobase Million.