

Table SI. Triple negative breast cancer long non-coding RNA-mediated transcriptional dysregulation triplet network.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
1	AC010761.8	NFATC2	FCER2	5	710	LINC01139	PAX5	CIITA	5
2	AC010761.8	STAT6	FCER2	4	711	LINC01139	CEBPB	DDIT4	6
3	AC010761.8	POU2F2	HLA-DRA	4	712	LINC01139	PAX5	AICDA	3
4	AC010761.8	IRF7	IL12A	6	713	LEF1-AS1	SPI1	CD68	5
5	AC010761.8	IRF1	CXCL10	6	714	PCAT1	STAT1	TYMP	4
6	AC010761.8	IRF4	CIITA	5	715	PCAT1	POU2F2	HLA-DRA	5
7	AC010761.8	PAX5	CIITA	4	716	PCAT1	RUNX2	IBSP	3
8	AC024560.2	STAT1	IL12A	5	717	PCAT1	IRF1	IL10	5
9	AC024560.2	FOXA2	PDX1	4	718	PCAT1	STAT2	IL12A	4
10	AC024560.2	STAT1	IL21	5	719	PCAT1	FOXD1	SERPINE1	3
11	AC024560.2	STAT2	IL21	5	720	PCAT1	SPI1	PTGIR	6
12	AC093818.1	PAX5	CD19	5	721	RP11-169D4.2.1	POU2F1	GNRHR	3
13	AC093818.1	PAX5	FCER2	5	722	RP11-169D4.2.1	NKX2-5	PLOD1	4
14	AC093818.1	FOSL1	PLAU	4	723	RP11-169D4.2.1	E2F1	POLE2	6
15	AC093818.1	CEBPB	SLC11A1	6	724	RP11-445K13.2	NFATC2	CD3G	5
16	AC093818.1	E2F1	TERT	3	725	RP11-445K13.2	NFATC2	CTLA4	5
17	AC093818.1	PAX5	AICDA	5	726	RP11-445K13.2	PAX5	FCER2	5
18	AC104699.1	STAT6	FCER2	4	727	RP11-445K13.2	CEBPB	HP	3
19	AC104699.1	AR	KLK4	4	728	RP11-445K13.2	IRF1	IL10	5
20	AC156455.1	CEBPZ	COL1A1	2	729	RP11-445K13.2	STAT1	IL12A	5
21	AC156455.1	STAT6	FCER2	4	730	RP11-445K13.2	SPI1	PTGIR	6
22	AC156455.1	E2F1	HELLS	6	731	RP11-445K13.2	E2F4	AURKB	6
23	AC156455.1	IRF7	IFNB1	3	732	RP11-445K13.2	PAX5	AICDA	5
24	AC156455.1	IRF7	IL12A	3	733	AC010761.8.1	NFATC2	FCER2	5
25	AC156455.1	POU2F1	PTGIR	3	734	AC010761.8.1	STAT6	FCER2	4
26	AC156455.1	IRF5	ISG15	5	735	AC010761.8.1	POU2F2	HLA-DRA	4
27	AFAP1-AS1	E2F1	HELLS	6	736	AC010761.8.1	IRF7	IL12A	6
28	AFAP1-AS1	IRF1	IFIT2	5	737	AC010761.8.1	IRF1	CXCL10	6
29	AFAP1-AS1	IRF7	IFNB1	5	738	AC010761.8.1	IRF4	CIITA	5
30	AFAP1-AS1	IRF1	CXCL10	5	739	AC010761.8.1	PAX5	CIITA	4
31	AFAP1-AS1	PAX5	CIITA	3	740	RP11-496H1.2	JUN	ATF3	6
32	AFAP1-AS1	FOSL1	PLAU	3	741	RP11-496H1.2	NFATC2	CD3G	5
33	AFAP1-AS1	IRF1	IFITM1	5	742	RP11-496H1.2	NFATC2	CD40LG	5
34	AFAP1-AS1	IRF7	ISG15	5	743	RP11-496H1.2	E2F1	CDKN2A	3
35	AFAP1-AS1	E2F1	NUSAP1	6	744	RP11-496H1.2	NFATC2	CTLA4	5
36	AFAP1-AS1	CDX2	UGT1A8	3	745	RP11-496H1.2	CEBPB	HP	4
37	AP001439.2	IRF8	CYBB	5	746	RP11-496H1.2	IRF7	IL12A	3
38	AP001439.2	SPI1	CYBB	5	747	RP11-496H1.2	NFATC2	IRF4	5
39	AP001439.2	USF1	CYP19A1	3	748	RP11-496H1.2	SPI1	PTGIR	5
40	AP001439.2	SPI1	NCF2	5	749	RP11-496H1.2	IRF9	CCL19	5
41	AP001439.2	E2F1	NUSAP1	6	750	RP11-496H1.2	CEBPB	SLC11A1	6
42	BDNF-AS	E2F1	CDKN2A	5	751	AC156455.1.1	CEBPZ	COL1A1	2
43	BDNF-AS	USF1	CYP19A1	3	752	AC156455.1.1	STAT6	FCER2	4
44	BDNF-AS	STAT1	TYMP	5	753	AC156455.1.1	E2F1	HELLS	6
45	BDNF-AS	JUN	HMMR	2	754	AC156455.1.1	IRF7	IFNB1	3
46	BDNF-AS	CEBPB	HP	3	755	AC156455.1.1	IRF7	IL12A	3
47	BDNF-AS	SPI1	NCF2	5	756	AC156455.1.1	POU2F1	PTGIR	3
48	BDNF-AS	AR	KLK4	3	757	AC156455.1.1	IRF5	ISG15	5
49	BDNF-AS	IRF1	ISG15	5	758	AFAP1-AS1.1	E2F1	HELLS	6
50	BDNF-AS	IRF1	FOXP3	6	759	AFAP1-AS1.1	IRF1	IFIT2	5
51	BLACAT1	IRF4	B2M	6	760	AFAP1-AS1.1	IRF7	IFNB1	5
52	BLACAT1	IRF8	B2M	6	761	AFAP1-AS1.1	IRF1	CXCL10	5
53	BLACAT1	NFATC2	CD3G	6	762	AFAP1-AS1.1	PAX5	CIITA	3
54	BLACAT1	NFATC2	CTLA4	6	763	AFAP1-AS1.1	FOSL1	PLAU	3
55	BLACAT1	STAT1	CYBB	6	764	AFAP1-AS1.1	IRF1	IFITM1	5
56	BLACAT1	E2F1	HELLS	3	765	AFAP1-AS1.1	IRF7	ISG15	5
57	BLACAT1	IRF1	IFIT2	3	766	AFAP1-AS1.1	E2F1	NUSAP1	6
58	BLACAT1	IRF1	IDO1	6	767	AFAP1-AS1.1	CDX2	UGT1A8	3
59	BLACAT1	IRF1	IRF7	6	768	MIR4435-2HG.1	FOSL1	PLAU	4

Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
60	BLACAT1	IRF7	CCL5	3	769	LBX2-AS1	CDX2	CA1	4
61	BLACAT1	IRF9	CCL19	6	770	LBX2-AS1	E2F1	CDKN2A	6
62	BLACAT1	IRF1	ISG15	6	771	LBX2-AS1	STAT1	TYMP	3
63	C5orf66-AS1	STAT1	TYMP	6	772	LBX2-AS1	IRF1	IFIT2	6
64	C5orf66-AS1	IRF1	IFIT2	3	773	LBX2-AS1	IRF1	IFNB1	3
65	C5orf66-AS1	IRF1	IFNB1	6	774	LBX2-AS1	IRF1	IRF7	6
66	C5orf66-AS1	VAV1	ITGAM	6	775	LBX2-AS1	CEBPB	MEFV	3
67	C5orf66-AS1	ETV7	LYN	6	776	LBX2-AS1	FOXD1	SERPINE1	3
68	C5orf66-AS1	E2F1	AURKB	6	777	LBX2-AS1	FOSL1	PLAUR	6
69	C5orf66-AS1	IRF1	ISG15	6	778	LBX2-AS1	IRF1	ISG15	6
70	CASC11	IRF4	B2M	6	779	LBX2-AS1	IRF7	ISG15	6
71	CASC11	FOSL1	PLAUR	6	780	LBX2-AS1	SPI1	ISG15	6
72	CASC11	IRF9	CCL19	3	781	LBX2-AS1	SPI1	GPR132	6
73	CASC11	CEBPB	SLC11A1	6	782	RASSF1-AS1	STAT6	FCER2	4
74	CASC11	CEBPB	DDIT4	5	783	RASSF1-AS1	STAT1	IL12A	5
75	CASC8	STAT6	FCER2	6	784	RASSF1-AS1	PAX5	CIITA	5
76	CASC8	IRF1	IFNB1	3	785	RASSF1-AS1	E2F4	AURKB	6
77	CASC8	FOXA2	PDX1	3	786	RASSF1-AS1	CEBPB	DDIT4	6
78	CASC8	ETV7	LYN	6	787	CDKN2B-AS1.1	PAX5	FCER2	6
79	CASC8	IRF4	CIITA	6	788	CDKN2B-AS1.1	NKX2-5	PLOD1	3
80	CASC8	SPI1	PTGIR	3	789	CDKN2B-AS1.1	IRF9	CCL19	6
81	CASC8	IRF9	CCL19	3	790	CDKN2B-AS1.1	IRF1	IFITM1	6
82	CASC8	CEBPB	SLC11A1	3	791	CDKN2B-AS1.1	PAX5	AICDA	3
83	CASC8	STAT2	IL21	6	792	HAR1B	E2F1	CDKN2A	4
84	DDX11-AS1	JUN	ATF3	6	793	HAR1B	STAT1	IL2RA	5
85	DDX11-AS1	IRF1	IFNB1	6	794	HAR1B	STAT1	IDO1	5
86	DDX11-AS1	IRF1	IL12A	6	795	HAR1B	FOSL1	PLAU	4
87	DDX11-AS1	STAT1	IL12A	6	796	HAR1B	NKX2-5	PLOD1	4
88	DDX11-AS1	IRF1	IRF7	6	797	HAR1B	STAT1	PRF1	5
89	DDX11-AS1	IRF7	CCL5	6	798	HAR1B	IRF7	CCL5	5
90	DDX11-AS1	IRF9	CCL19	3	799	HAR1B	STAT1	SOAT1	5
91	DDX11-AS1	IRF1	IFITM1	6	800	DEPDC1-AS1	STAT1	TYMP	6
92	DDX11-AS1	IRF1	ISG15	6	801	DEPDC1-AS1	IRF7	IFNB1	6
93	DDX11-AS1	SPI1	ISG15	6	802	DEPDC1-AS1	IRF1	IRF7	6
94	DDX11-AS1	PAX5	AICDA	6	803	DEPDC1-AS1	PAX5	CIITA	6
95	DGCR9	STAT1	CD86	5	804	DEPDC1-AS1	STAT1	PSMB9	6
96	DGCR9	STAT1	CYBB	5	805	DEPDC1-AS1	IRF7	CCL5	6
97	DGCR9	STAT1	FCGR1A	5	806	DEPDC1-AS1	IRF9	CCL19	6
98	DGCR9	JUN	HMMR	1	807	DEPDC1-AS1	CEBPB	SLC11A1	3
99	DGCR9	IRF1	IL12B	6	808	DEPDC1-AS1	STAT2	IL21	3
100	DGCR9	STAT1	PRF1	5	809	LINC02158	STAT6	FCER2	4
101	DGCR9	E2F1	AURKB	6	810	LINC02158	STAT2	IL12A	4
102	DGCR9	SPI1	GPR132	5	811	LINC01293	JUN	ATF3	6
103	DLEU2	FUBP1	BRCA1	6	812	LINC01293	E2F1	CDC25A	3
104	DLEU2	PAX5	CD19	6	813	LINC01293	E2F1	HELLS	3
105	DLEU2	PAX5	FCER2	6	814	LINC01293	POU2F2	HLA-DRA	5
106	DLEU2	JUN	HMMR	1	815	LINC01293	JUN	HMMR	1
107	DLEU2	IRF7	IFNB1	6	816	LINC01293	NKX2-5	PLOD1	3
108	DLEU2	IRF1	IL12A	3	817	LINC01293	E2F4	AURKB	5
109	DLEU2	IRF7	IL12A	3	818	LINC01293	PAX5	AICDA	6
110	DLEU2	CEBPB	SLC11A1	6	819	LINC01671	SPI1	CYBB	5
111	DLEU2	IRF7	ISG15	6	820	LINC01671	IRF7	IFNB1	4
112	DLEU2	IRF1	FOXP3	5	821	LINC01671	IRF1	IL10	5
113	DLX6-AS1	SPI1	CD68	5	822	LINC01671	IRF1	IL12A	4
114	DLX6-AS1	IRF1	CYBB	5	823	LINC01671	IRF7	IL12A	4
115	DLX6-AS1	STAT1	CYBB	5	824	LINC01671	IRF1	IL12B	6
116	DLX6-AS1	USF1	CYP19A1	6	825	LINC01671	SPI1	PTGIR	6
117	DLX6-AS1	CEBPB	HP	3	826	BDNF-AS.1	E2F1	CDKN2A	5
118	DLX6-AS1	STAT1	IDO1	5	827	BDNF-AS.1	USF1	CYP19A1	3

Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
119	DLX6-AS1	SPIB	ITGAM	5	828	BDNF-AS.1	STAT1	TYMP	5
120	DLX6-AS1	STAT1	MSR1	4	829	BDNF-AS.1	JUN	HMMR	2
121	DLX6-AS1	STAT1	PRF1	5	830	BDNF-AS.1	CEBPB	HP	3
122	DLX6-AS1	SPI1	ISG15	4	831	BDNF-AS.1	SPI1	NCF2	5
123	DLX6-AS1	IRF1	XAF1	5	832	BDNF-AS.1	AR	KLK4	3
124	DUXAP8	STAT1	TYMP	4	833	BDNF-AS.1	IRF1	ISG15	5
125	DUXAP8	STAT1	FCGR1A	5	834	BDNF-AS.1	IRF1	FOXP3	6
126	DUXAP8	CEBPB	HP	3	835	BLACAT1.1	IRF4	B2M	6
127	DUXAP8	IRF7	IFNB1	5	836	BLACAT1.1	IRF8	B2M	6
128	DUXAP8	IRF1	IRF7	5	837	BLACAT1.1	NFATC2	CD3G	6
129	DUXAP8	SPI1	NCF2	5	838	BLACAT1.1	NFATC2	CTLA4	6
130	DUXAP8	STAT1	PSMB9	5	839	BLACAT1.1	STAT1	CYBB	6
131	DUXAP8	IRF7	CCL5	5	840	BLACAT1.1	E2F1	HELLS	3
132	DUXAP8	IRF1	ISG15	5	841	BLACAT1.1	IRF1	IFIT2	3
133	DUXAP8	IRF7	ISG15	5	842	BLACAT1.1	IRF1	IDO1	6
134	DUXAP8	SPI1	NCF1	5	843	BLACAT1.1	IRF1	IRF7	6
135	FLJ22447	STAT1	TYMP	6	844	BLACAT1.1	IRF7	CCL5	3
136	FLJ22447	SPI1	FCGR1B	6	845	BLACAT1.1	IRF9	CCL19	6
137	FLJ22447	CEBPB	HP	4	846	BLACAT1.1	IRF1	ISG15	6
138	FLJ22447	RUNX2	IBSP	4	847	BLACAT1.2	IRF4	B2M	6
139	FLJ22447	STAT1	IRF1	6	848	BLACAT1.2	IRF8	B2M	6
140	FLJ22447	E2F1	POLE2	6	849	BLACAT1.2	NFATC2	CD3G	6
141	FLJ22447	IRF1	STAT1	6	850	BLACAT1.2	NFATC2	CTLA4	6
142	FLJ22447	IRF1	IFITM1	6	851	BLACAT1.2	STAT1	CYBB	6
143	FLJ22447	SPI1	ISG15	6	852	BLACAT1.2	E2F1	HELLS	3
144	FLJ22447	IRF1	XAF1	6	853	BLACAT1.2	IRF1	IFIT2	3
145	FOXCUT	E2F1	CDKN2A	3	854	BLACAT1.2	IRF1	IDO1	6
146	FOXCUT	SPI1	ITGAM	6	855	BLACAT1.2	IRF1	IRF7	6
147	FOXCUT	FOSL1	MMP1	3	856	BLACAT1.2	IRF7	CCL5	3
148	FOXCUT	FOXD1	SERPINE1	3	857	BLACAT1.2	IRF9	CCL19	6
149	FOXCUT	IRF7	ISG15	5	858	BLACAT1.2	IRF1	ISG15	6
150	FOXD2-AS1	SPI1	CYBB	6	859	GATA6-AS1	STAT6	FCER2	4
151	FOXD2-AS1	RUNX2	IBSP	4	860	GATA6-AS1	IRF1	ISG15	6
152	FOXD2-AS1	STAT1	IL12A	6	861	C5orf66-AS1.1	STAT1	TYMP	6
153	FOXD2-AS1	RUNX2	MMP13	5	862	C5orf66-AS1.1	IRF1	IFIT2	3
154	FOXD2-AS1	CEBPB	PI3	4	863	C5orf66-AS1.1	IRF1	IFNB1	6
155	FOXD2-AS1	FOSL1	PLAUR	6	864	C5orf66-AS1.1	VAV1	ITGAM	6
156	FOXD2-AS1	IKZF1	IKZF3	5	865	C5orf66-AS1.1	ETV7	LYN	6
157	FOXD3-AS1	IRF7	CCL5	6	866	C5orf66-AS1.1	E2F1	AURKB	6
158	FOXD3-AS1	STAT1	SOAT1	3	867	C5orf66-AS1.1	IRF1	ISG15	6
159	FOXD3-AS1	E2F4	AURKB	6	868	CASC11.1	IRF4	B2M	6
160	GAPLINC	RELB	B2M	6	869	CASC11.1	FOSL1	PLAUR	6
161	GAPLINC	FUBP1	BRCA1	6	870	CASC11.1	IRF9	CCL19	3
162	GAPLINC	CDX2	CA1	4	871	CASC11.1	CEBPB	SLC11A1	6
163	GAPLINC	STAT1	TYMP	3	872	CASC11.1	CEBPB	DDIT4	5
164	GAPLINC	FOSL1	PLAUR	6	873	DLX6-AS1.1	SPI1	CD68	5
165	GHRLOS	PAX5	CD19	5	874	DLX6-AS1.1	IRF1	CYBB	5
166	GHRLOS	SPI1	CD68	5	875	DLX6-AS1.1	STAT1	CYBB	5
167	GHRLOS	STAT6	FCER2	4	876	DLX6-AS1.1	USF1	CYP19A1	6
168	GHRLOS	POU2F1	GNRHR	4	877	DLX6-AS1.1	CEBPB	HP	3
169	GHRLOS	E2F1	HELLS	6	878	DLX6-AS1.1	STAT1	IDO1	5
170	GHRLOS	STAT1	IL12A	4	879	DLX6-AS1.1	SPIB	ITGAM	5
171	GHRLOS	NFATC2	IRF4	5	880	DLX6-AS1.1	STAT1	MSR1	4
172	GHRLOS	IRF4	CIITA	5	881	DLX6-AS1.1	STAT1	PRF1	5
173	GHRLOS	PAX5	CIITA	4	882	DLX6-AS1.1	SPI1	ISG15	4
174	GHRLOS	NKX2-5	PLOD1	4	883	DLX6-AS1.1	IRF1	XAF1	5
175	GHRLOS	CEBPB	DDIT4	5	884	LINC02086	CDX2	CA1	4
176	HCP5	PAX5	CD19	4	885	LINC02086	PAX5	CIITA	6
177	HCP5	PAX5	FCER2	4	886	LINC00565	JUN	ATF3	6

Table S1. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
178	HCP5	PAX5	CIITA	4	887	LINC00565	PAX5	CD19	5
179	HCP5	SPI1	PTGIR	6	888	LINC00565	SPI1	CD68	5
180	HCP5	SPI1	ISG15	6	889	LINC00565	SPI1	CYBB	6
181	HCP5	PAX5	AICDA	4	890	LINC00565	STAT1	TYMP	6
182	HIF1A-AS1	E2F1	CDC25A	6	891	LINC00565	IKZF1	GZMB	6
183	HIF1A-AS1	E2F1	CDKN2A	6	892	LINC00565	RUNX2	IBSP	4
184	HIF1A-AS1	JUN	HMMR	1	893	LINC00565	CEBPB	MEFV	5
185	HIF1A-AS1	FOSL1	IVL	4	894	LINC00565	STAT1	CIITA	6
186	HIF1A-AS1	E2F1	POLE2	3	895	LINC00565	RUNX2	MMP13	5
187	HIF1A-AS1	IRF1	IFITM1	6	896	LINC00565	NKX2-5	PLOD1	4
188	HIF1A-AS1	E2F1	NUSAP1	6	897	LINC00565	E2F1	AURKB	5
189	HIF1A-AS2	E2F1	HELLS	3	898	LINC00565	E2F4	AURKB	5
190	HIF1A-AS2	CEBPB	HP	4	899	LINC00565	AR	KLK4	3
191	HIF1A-AS2	RUNX2	IBSP	4	900	LINC00565	SPI1	NCF1	6
192	HIF1A-AS2	IRF1	IL10	6	901	ELF3-AS1	E2F1	CDC25A	6
193	HIF1A-AS2	STAT1	IL12A	6	902	ELF3-AS1	E2F1	HELLS	6
194	HIF1A-AS2	IRF1	IRF7	6	903	ELF3-AS1	FOXA2	PDX1	3
195	HIF1A-AS2	RUNX2	MMP13	5	904	ELF3-AS1	ETV7	LYN	6
196	HIF1A-AS2	FOSL1	PLAUR	6	905	ELF3-AS1	IRF4	CIITA	6
197	HIF1A-AS2	STAT1	PRF1	6	906	ELF3-AS1	E2F1	POLE2	6
198	HIF1A-AS2	IRF1	ISG15	6	907	ELF3-AS1	POU2F1	PTGIR	4
199	HIF1A-AS2	SPI1	ISG15	3	908	ELF3-AS1	E2F1	AURKB	6
200	HIF1A-AS2	SPI1	GPR132	6	909	SLC16A1-AS1	JUN	ATF3	6
201	HOTAIR	IRF4	B2M	5	910	SLC16A1-AS1	STAT6	FCER2	4
202	HOTAIR	STAT1	CD86	5	911	SLC16A1-AS1	IRF7	CCL5	6
203	HOTAIR	IRF1	CYBB	5	912	SLC16A1-AS1	IRF1	FOXP3	5
204	HOTAIR	STAT1	CYBB	5	913	AGAP1-IT1	USF1	CYP19A1	4
205	HOTAIR	STAT1	FCGR1A	5	914	AGAP1-IT1	E2F1	HELLS	3
206	HOTAIR	STAT1	ICAM1	5	915	AGAP1-IT1	IRF1	CCL5	6
207	HOTAIR	STAT1	IL2RA	5	916	AGAP1-IT1	E2F1	AURKB	6
208	HOTAIR	CEBPB	MEFV	3	917	LINC02195	RUNX2	IBSP	3
209	HOXA11-AS	NFATC2	FCER2	6	918	RP11-82L18.2	RELB	B2M	6
210	HOXA11-AS	PAX5	FCER2	6	919	RP11-82L18.2	STAT1	CD86	6
211	HOXA11-AS	CEBPB	HP	4	920	RP11-82L18.2	IRF1	CYBB	6
212	IGFL2-AS1	POU2F1	GNRHR	3	921	RP11-82L18.2	SPI1	CYBB	6
213	IGFL2-AS1	POU2F2	HLA-DRA	6	922	RP11-82L18.2	STAT1	CYBB	6
214	IGFL2-AS1	CEBPB	HP	3	923	RP11-82L18.2	STAT1	TYMP	6
215	IGFL2-AS1	IRF7	IL12A	4	924	RP11-82L18.2	STAT1	FCGR1A	6
216	IGFL2-AS1	SPI1	ITGAM	6	925	RP11-82L18.2	IKZF1	GZMB	6
217	IGFL2-AS1	FOSL1	PLAU	4	926	RP11-82L18.2	RUNX2	IBSP	4
218	IGFL2-AS1	SPI1	PTGIR	6	927	RP11-82L18.2	IRF1	IL10	6
219	INHBA-AS1	IRF4	B2M	5	928	RP11-82L18.2	IRF1	IL12A	3
220	INHBA-AS1	E2F1	CDKN2A	5	929	RP11-82L18.2	IRF1	IRF7	6
221	INHBA-AS1	E2F1	HELLS	3	930	RP11-82L18.2	RUNX2	MMP13	5
222	INHBA-AS1	STAT1	ICAM1	6	931	RP11-82L18.2	STAT1	PRF1	6
223	INHBA-AS1	IRF1	CXCL10	5	932	RP11-82L18.2	STAT1	PSMB9	6
224	INHBA-AS1	CEBPB	DDIT4	6	933	RP11-82L18.2	E2F1	AURKB	5
225	KCNQ1OT1	CEBPB	HP	4	934	RP11-82L18.2	SPI1	GPR132	6
226	KCNQ1OT1	NFATC2	IRF4	5	935	RP11-82L18.2	STAT2	IL21	6
227	KCNQ1OT1	CEBPB	MEFV	3	936	LINC01096	STAT1	IL2RA	6
228	KRTAP5-AS1	E2F1	CDC25A	6	937	LINC01096	CEBPB	PI3	6
229	KRTAP5-AS1	E2F1	CDKN2A	6	938	LINC01096	STAT1	PRF1	6
230	KRTAP5-AS1	NFATC2	FCER2	4	939	LINC01096	STAT1	SOAT1	5
231	KRTAP5-AS1	STAT1	IDO1	6	940	LINC01096	E2F4	AURKB	6
232	KRTAP5-AS1	STAT1	CIITA	6	941	LINC01096	IRF5	ISG15	6
233	KRTAP5-AS1	IRF5	ISG15	6	942	LINC01096	STAT1	IL21	6
234	LINC00092	RUNX2	IBSP	3	943	LINC01096	STAT2	IL21	6
235	LINC00092	RUNX2	MMP13	6	944	RP11-37B2.1	E2F1	HELLS	3
236	LINC00460	SPI1	CYBB	6	945	RP11-37B2.1	STAT1	MSR1	5



Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
237	LINC00460	POU2F1	GNRHR	3	946	RP11-37B2.1	FOXD1	SERPINE1	3
238	LINC00460	IRF7	IFNB1	6	947	RP11-37B2.1	E2F1	TERT	3
239	LINC00460	SPI1	PTGIR	5	948	RP11-37B2.1	E2F4	AURKB	3
240	LINC00460	IRF1	IFITM1	6	949	MEF2C-AS1	SPI1	CD68	5
241	LINC00460	IRF1	ISG15	6	950	MEF2C-AS1	IRF1	IL12B	5
242	LINC00461	FUBP1	BRCA1	6	951	MEF2C-AS1	NKX2-5	PLOD1	4
243	LINC00461	E2F1	CDKN2A	3	952	MEF2C-AS1	SPI1	PTGIR	5
244	LINC00461	USF1	CYP19A1	4	953	MEF2C-AS1	CEBPB	DDIT4	5
245	LINC00461	STAT1	IL12A	6	954	C6orf3	STAT6	FCER2	4
246	LINC00461	E2F1	POLE2	6	955	C6orf3	RUNX2	IBSP	5
247	LINC00461	IRF1	ISG15	6	956	C6orf3	RUNX2	MMP13	5
248	LINC00461	CEBPB	DDIT4	5	957	C6orf3	IRF1	IFITM1	6
249	LINC00511	CDX2	CA1	4	958	RP11-598F7.3	E2F1	CDKN2A	5
250	LINC00511	IRF1	IL12A	6	959	RP11-598F7.3	NFATC2	FCER2	6
251	LINC00511	E2F1	POLE2	6	960	RP11-598F7.3	IKZF1	GZMB	5
252	LINC00511	IRF1	IFITM1	6	961	RP11-598F7.3	AR	KLK4	4
253	LINC00514	FOSL1	IVL	3	962	RP11-598F7.3	SPI1	GPR132	5
254	LINC00514	FOXD1	SERPINE1	3	963	RP11-598F7.3	CDX2	UGT1A8	3
255	LINC00514	E2F1	POLE2	6	964	LINC01234.1	CDX2	CA1	4
256	LINC00628	CDX2	CA1	3	965	LINC01234.1	NFATC2	FCER2	3
257	LINC00628	STAT1	CD86	5	966	LINC01234.1	E2F1	HELLS	3
258	LINC00628	USF1	CYP19A1	3	967	LINC01234.1	JUN	HMMR	1
259	LINC00628	IRF1	IFIT2	3	968	LINC01234.1	SPI1	ISG15	4
260	LINC00628	IRF1	IFNB1	3	969	LINC01234.1	E2F1	NUSAP1	6
261	LINC00628	IRF1	CXCL10	6	970	SNHG10	PAX5	FCER2	6
262	LINC00628	E2F1	TERT	6	971	SNHG10	FOXA2	PDX1	4
263	LINC00628	IRF1	FOXP3	5	972	SNHG10	PAX5	CIITA	6
264	LINC00628	IRF1	IL27	6	973	SNHG10	IRF1	ISG15	6
265	LINC00629	JUN	ATF3	6	974	KB-1460A1.1	E2F1	CDKN2A	6
266	LINC00629	STAT1	IL12A	4	975	KB-1460A1.1	NFATC2	CTLA4	5
267	LINC00629	STAT2	IL12A	4	976	KB-1460A1.1	IRF1	CTSS	5
268	LINC00629	IRF1	CXCL10	5	977	KB-1460A1.1	NFATC2	FCER2	5
269	LINC00629	STAT1	SOAT1	5	978	KB-1460A1.1	ETV7	LYN	5
270	LINC00629	IRF5	ISG15	5	979	KB-1460A1.1	NFATC2	TNFSF14	5
271	LINC00629	SPI1	ISG15	5	980	FOXCUT.1	E2F1	CDKN2A	3
272	LINC00629	E2F1	NUSAP1	6	981	FOXCUT.1	SPI1	ITGAM	6
273	LINC00629	CEBPB	DDIT4	6	982	FOXCUT.1	FOSL1	MMP1	3
274	LINC00665	STAT1	IDO1	6	983	FOXCUT.1	FOXD1	SERPINE1	3
275	LINC00665	ETV7	LYN	6	984	FOXCUT.1	IRF7	ISG15	5
276	LINC00665	NKX2-5	PLOD1	3	985	FOXD3-AS1.1	IRF7	CCL5	6
277	LINC00665	IRF7	CCL5	6	986	FOXD3-AS1.1	STAT1	SOAT1	3
278	LINC00665	IRF9	CCL19	3	987	FOXD3-AS1.1	E2F4	AURKB	6
279	LINC00665	STAT1	WARS	6	988	GAPLINC.1	RELB	B2M	6
280	LINC00707	POU2F1	GNRHR	3	989	GAPLINC.1	FUBP1	BRCA1	6
281	LINC00707	SPIB	ITGAM	3	990	GAPLINC.1	CDX2	CA1	4
282	LINC00707	IRF4	CIITA	6	991	GAPLINC.1	STAT1	TYMP	3
283	LINC00707	STAT1	MSR1	5	992	GAPLINC.1	FOSL1	PLAUR	6
284	LINC00707	CEBPB	PI3	6	993	LINC02154	E2F1	CDC25A	6
285	LINC00857	SPI1	CYBB	6	994	LINC02154	PAX5	FCER2	6
286	LINC00857	IRF1	IFIT2	6	995	LINC02154	E2F1	HELLS	6
287	LINC00857	IRF1	IFNB1	3	996	LINC02154	FOSL1	MMP1	4
288	LINC00857	SPI1	ITGAM	6	997	LINC02154	E2F1	POLE2	6
289	LINC00857	SPI1	GPR132	6	998	LINC02154	E2F1	NUSAP1	6
290	LINC00880	CDX2	CA1	3	999	LINC02154	PAX5	AICDA	6
291	LINC00880	SPI1	CD68	6	1000	LINC02154	STAT1	IL21	5
292	LINC00880	POU2F1	GNRHR	3	1001	LINC00887	STAT1	CYBB	5
293	LINC00880	IRF1	IFIT2	6	1002	LINC00887	JUN	HMMR	4
294	LINC00880	IRF7	IFNB1	6	1003	LINC00887	IRF1	CXCL10	5
295	LINC00880	NKX2-5	PLOD1	3	1004	LINC00887	FOSL1	IVL	4

Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
296	LINC00880	CEBPB	SLC11A1	6	1005	LINC00887	CEBPB	PI3	4
297	LINC00880	IRF5	ISG15	6	1006	HIF1A-AS1.1	E2F1	CDC25A	6
298	LINC01006	IRF4	B2M	5	1007	HIF1A-AS1.1	E2F1	CDKN2A	6
299	LINC01006	POU2F1	GNRHR	3	1008	HIF1A-AS1.1	JUN	HMMR	1
300	LINC01006	IKZF1	GZMB	6	1009	HIF1A-AS1.1	FOSL1	IVL	4
301	LINC01006	STAT1	IFNG	6	1010	HIF1A-AS1.1	E2F1	POLE2	3
302	LINC01006	STAT1	IDO1	6	1011	HIF1A-AS1.1	IRF1	IFITM1	6
303	LINC01006	STAT1	IRF1	6	1012	HIF1A-AS1.1	E2F1	NUSAP1	6
304	LINC01006	IRF1	STAT1	6	1013	HIF1A-AS2.1	E2F1	HELLS	3
305	LINC01006	STAT1	WARS	6	1014	HIF1A-AS2.1	CEBPB	HP	4
306	LINC01006	SPI1	ISG15	3	1015	HIF1A-AS2.1	RUNX2	IBSP	4
307	LINC01006	IRF1	XAF1	6	1016	HIF1A-AS2.1	IRF1	IL10	6
308	LINC01105	IRF4	B2M	5	1017	HIF1A-AS2.1	STAT1	IL12A	6
309	LINC01105	RUNX2	IBSP	3	1018	HIF1A-AS2.1	IRF1	IRF7	6
310	LINC01105	IRF7	IL12A	6	1019	HIF1A-AS2.1	RUNX2	MMP13	5
311	LINC01121	STAT1	CD86	6	1020	HIF1A-AS2.1	FOSL1	PLAUR	6
312	LINC01121	SPI1	CD68	5	1021	HIF1A-AS2.1	STAT1	PRF1	6
313	LINC01121	E2F1	CDC25A	6	1022	HIF1A-AS2.1	IRF1	ISG15	6
314	LINC01121	STAT1	TYMP	6	1023	HIF1A-AS2.1	SPI1	ISG15	3
315	LINC01121	STAT1	FCGR1A	6	1024	HIF1A-AS2.1	SPI1	GPR132	6
316	LINC01121	POU2F1	GNRHR	4	1025	HOTAIR.1	IRF4	B2M	5
317	LINC01121	IRF1	IL10	6	1026	HOTAIR.1	STAT1	CD86	5
318	LINC01121	IRF1	CXCL10	6	1027	HOTAIR.1	IRF1	CYBB	5
319	LINC01121	IRF1	IRF7	6	1028	HOTAIR.1	STAT1	CYBB	5
320	LINC01121	SPI1	NCF2	6	1029	HOTAIR.1	STAT1	FCGR1A	5
321	LINC01121	IRF1	IFITM1	6	1030	HOTAIR.1	STAT1	ICAM1	5
322	LINC01121	E2F1	AURKB	6	1031	HOTAIR.1	STAT1	IL2RA	5
323	LINC01121	IRF1	ISG15	3	1032	HOTAIR.1	CEBPB	MEFV	3
324	LINC01121	CDX2	UGT1A8	4	1033	HOXA11-AS.1	NFATC2	FCER2	6
325	LINC01133	PAX5	CD19	5	1034	HOXA11-AS.1	PAX5	FCER2	6
326	LINC01133	PAX5	FCER2	4	1035	HOXA11-AS.1	CEBPB	HP	4
327	LINC01133	IRF7	IL12A	5	1036	KCNQ1OT1.1	CEBPB	HP	4
328	LINC01133	IRF1	IL12B	6	1037	KCNQ1OT1.1	NFATC2	IRF4	5
329	LINC01133	CEBPB	PI3	4	1038	KCNQ1OT1.1	CEBPB	MEFV	3
330	LINC01133	E2F1	POLE2	6	1039	KCNQ1OT1.2	CEBPB	HP	4
331	LINC01133	E2F1	NUSAP1	6	1040	KCNQ1OT1.2	NFATC2	IRF4	5
332	LINC01133	PAX5	AICDA	4	1041	KCNQ1OT1.2	CEBPB	MEFV	3
333	LINC01287	FUBP1	BRCA1	5	1042	FAM30A	E2F1	POLE2	6
334	LINC01287	NFATC2	CD3G	5	1043	LINC00092.1	RUNX2	IBSP	3
335	LINC01287	E2F1	CDKN2A	6	1044	LINC00092.1	RUNX2	MMP13	6
336	LINC01287	STAT1	TYMP	5	1045	CYTOR.1	STAT1	CD86	6
337	LINC01287	STAT1	FCGR1A	5	1046	CYTOR.1	STAT1	TYMP	6
338	LINC01287	POU2F1	GNRHR	3	1047	CYTOR.1	STAT1	FCGR1A	6
339	LINC01287	E2F1	HELLS	5	1048	PICSAR	PAX5	CIITA	5
340	LINC01287	STAT1	IL2RA	5	1049	PICSAR	STAT1	SOAT1	5
341	LINC01287	STAT1	IDO1	5	1050	LINC00511.1	CDX2	CA1	4
342	LINC01287	NFATC2	IRF4	5	1051	LINC00511.1	IRF1	IL12A	6
343	LINC01287	IRF4	CIITA	5	1052	LINC00511.1	E2F1	POLE2	6
344	LINC01287	PAX5	CIITA	4	1053	LINC00511.1	IRF1	IFITM1	6
345	LINC01287	NFATC2	TNFSF14	4	1054	LINC00629.1	JUN	ATF3	6
346	LINC01287	IRF1	FOXP3	5	1055	LINC00629.1	STAT1	IL12A	4
347	LINC01503	PAX5	CD19	6	1056	LINC00629.1	STAT2	IL12A	4
348	LINC01503	NFATC2	FCER2	6	1057	LINC00629.1	IRF1	CXCL10	5
349	LINC01503	PAX5	FCER2	6	1058	LINC00629.1	STAT1	SOAT1	5
350	LINC01503	IRF7	IL12A	5	1059	LINC00629.1	IRF5	ISG15	5
351	LINC01503	IRF1	IL12B	6	1060	LINC00629.1	SPI1	ISG15	5
352	LINP1	NFATC2	CTLA4	6	1061	LINC00629.1	E2F1	NUSAP1	6
353	LINP1	STAT1	TYMP	6	1062	LINC00629.1	CEBPB	DDIT4	6
354	LINP1	IRF1	IFIT2	6	1063	LINC01121.1	STAT1	CD86	6

Table S1. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
355	LINP1	STAT1	IL2RA	6	1064	LINC01121.1	SPI1	CD68	5
356	LINP1	IRF7	IL12A	5	1065	LINC01121.1	E2F1	CDC25A	6
357	LINP1	SPIB	ITGAM	3	1066	LINC01121.1	STAT1	TYMP	6
358	LINP1	IRF4	CIITA	6	1067	LINC01121.1	STAT1	FCGR1A	6
359	LINP1	FOSL1	PLAU	4	1068	LINC01121.1	POU2F1	GNRHR	4
360	LINP1	E2F4	AURKB	6	1069	LINC01121.1	IRF1	IL10	6
361	LL22NC03-N64E9.1	STAT1	CD86	5	1070	LINC01121.1	IRF1	CXCL10	6
362	LL22NC03-N64E9.1	E2F1	CDKN2A	6	1071	LINC01121.1	IRF1	IRF7	6
363	LL22NC03-N64E9.1	JUN	HMMR	1	1072	LINC01121.1	SPI1	NCF2	6
364	LL22NC03-N64E9.1	IRF7	IFNB1	5	1073	LINC01121.1	IRF1	IFITM1	6
365	LL22NC03-N64E9.1	SPI1	NCF2	5	1074	LINC01121.1	E2F1	AURKB	6
366	LL22NC03-N64E9.1	CEBPB	SLC11A1	5	1075	LINC01121.1	IRF1	ISG15	3
367	LL22NC03-N64E9.1	E2F1	TERT	5	1076	LINC01121.1	CDX2	UGT1A8	4
368	MIAT	FUBP1	BRCA1	6	1077	LINC01139.1	POU2F2	HLA-DRA	5
369	MIAT	CDX2	CA1	4	1078	LINC01139.1	CEBPB	HP	3
370	MIAT	JUN	HMMR	1	1079	LINC01139.1	IRF1	IFNB1	3
371	MINCR	STAT6	FCER2	4	1080	LINC01139.1	IRF7	IFNB1	6
372	MINCR	RUNX2	IBSP	5	1081	LINC01139.1	SPI1	ITGAM	6
373	MINCR	STAT1	ICAM1	5	1082	LINC01139.1	VAV1	ITGAM	6
374	MINCR	NKX2-5	PLOD1	4	1083	LINC01139.1	PAX5	CIITA	5
375	MINCR	STAT1	SOAT1	4	1084	LINC01139.1	CEBPB	DDIT4	6
376	MIR155HG	FUBP1	BRCA1	6	1085	LINC01139.1	PAX5	AICDA	3
377	MIR155HG	E2F1	CDC25A	6	1086	LINC00964	IKZF1	GZMB	6
378	MIR155HG	STAT6	FCER2	4	1087	LINC00964	FOSL1	IVL	4
379	MIR155HG	CEBPB	HP	3	1088	LINC00964	RUNX2	MMP13	5
380	MIR210HG	RELB	B2M	6	1089	LINC00964	FOSL1	PLAU	4
381	MIR210HG	IRF1	IL10	6	1090	LINC01315	NFATC2	CTLA4	5
382	MIR210HG	STAT1	IL12A	6	1091	LINC01315	POU2F2	HLA-DRA	5
383	MIR210HG	IRF1	IRF7	3	1092	LINC01315	PAX5	CIITA	5
384	MIR210HG	E2F1	POLE2	6	1093	LINC01315	NFATC2	TNFSF14	5
385	MIR210HG	SPI1	PTGIR	5	1094	FAM3D-AS1	STAT1	CD86	5
386	MIR210HG	IRF7	CCL5	6	1095	FAM3D-AS1	POU2F1	GNRHR	3
387	MIR210HG	IRF9	CCL19	6	1096	FAM3D-AS1	FOSL1	IVL	3
388	MIR210HG	STAT1	SOAT1	5	1097	FAM3D-AS1	CEBPB	MEFV	3
389	MIR210HG	IRF1	IFITM1	3	1098	FAM3D-AS1	IRF5	ISG15	6
390	MIR210HG	IRF1	ISG15	3	1099	LINC01468	USF1	CYP19A1	3
391	MIR210HG	SPI1	GPR132	6	1100	LINC01468	E2F1	NUSAP1	6
392	MIR503HG	PAX5	CD19	5	1101	LINC01468	CEBPB	DDIT4	6
393	MIR503HG	STAT1	TYMP	3	1102	FRGCA	IRF8	CYBB	6
394	MIR503HG	PAX5	FCER2	5	1103	FRGCA	STAT1	CYBB	6
395	MIR503HG	PAX5	CIITA	4	1104	FRGCA	POU2F1	GNRHR	3
396	MIR503HG	IRF1	IFITM1	3	1105	FRGCA	CEBPB	HP	3
397	MIR503HG	AR	KLK4	3	1106	FRGCA	NFATC2	IRF4	6
398	MIR503HG	IKZF1	IKZF3	5	1107	FRGCA	E2F4	AURKB	6
399	MNX1-AS1	JUN	HMMR	4	1108	AC002454.1	JUN	ATF3	6
400	MNX1-AS1	SPIB	ITGAM	5	1109	AC002454.1	FUBP1	BRCA1	6
401	MNX1-AS1	NFATC2	TNFSF14	6	1110	AC002454.1	NFATC2	CD3G	6
402	MNX1-AS1	AR	KLK4	4	1111	AC002454.1	NFATC2	CD40LG	6
403	MNX1-AS1	IRF7	ISG15	6	1112	AC002454.1	E2F1	HELLS	6
404	MYLK-AS1	RUNX2	IBSP	5	1113	AC002454.1	E2F1	POLE2	6
405	NCK1-AS1	NFATC2	CD3G	5	1114	AC002454.1	IRF9	CCL19	6
406	NCK1-AS1	NFATC2	CD40LG	5	1115	CTD-3252C9.2	USF1	CYP19A1	3

Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
407	NCK1-AS1	NFATC2	CTLA4	5	1116	CTD-3252C9.2	POU2F2	HLA-DRA	5
408	NCK1-AS1	PAX5	FCER2	5	1117	CTD-3252C9.2	STAT1	IL12A	6
409	NCK1-AS1	STAT1	IL12A	5	1118	CTD-3252C9.2	FOSL1	IVL	3
410	NCK1-AS1	STAT2	IL12A	5	1119	CTD-3252C9.2	FOSL1	MMP1	3
411	NCK1-AS1	NFATC2	IRF4	5	1120	CTD-3252C9.2	FOXD1	SERPINE1	3
412	NCK1-AS1	STAT1	PRF1	5	1121	CTD-3252C9.2	NKX2-5	PLOD1	3
413	NCK1-AS1	NFATC2	TNFSF14	5	1122	CTD-3252C9.2	STAT1	SOAT1	6
414	NCK1-AS1	E2F1	AURKB	6	1123	CTD-3252C9.2	E2F1	TERT	3
415	NCK1-AS1	STAT1	XAF1	5	1124	CTD-3252C9.2	STAT1	WARS	6
416	NCK1-AS1	SPI1	NCF1	5	1125	CTD-3252C9.2	NFATC2	TNFSF14	6
417	NKILA	CDX2	CA1	3	1126	CTD-3252C9.2	E2F1	NUSAP1	6
418	NKILA	E2F1	CDKN2A	3	1127	MIAT.1	FUBP1	BRCA1	6
419	NKILA	IRF1	IFNB1	3	1128	MIAT.1	CDX2	CA1	4
420	NKILA	IRF7	IFNB1	3	1129	MIAT.1	JUN	HMMR	1
421	NKILA	IRF7	IL12A	3	1130	MINCR.1	STAT6	FCER2	4
422	NKILA	STAT1	IDO1	6	1131	MINCR.1	RUNX2	IBSP	5
423	NKILA	IRF1	IRF7	6	1132	MINCR.1	STAT1	ICAM1	5
424	NKILA	STAT1	PRF1	6	1133	MINCR.1	NKX2-5	PLOD1	4
425	NKILA	CEBPB	DDIT4	6	1134	MINCR.1	STAT1	SOAT1	4
426	NKILA	IRF1	XAF1	3	1135	MIR155HG.1	FUBP1	BRCA1	6
427	NKILA	STAT1	IL21	6	1136	MIR155HG.1	E2F1	CDC25A	6
428	OGFRP1	FUBP1	BRCA1	6	1137	MIR155HG.1	STAT6	FCER2	4
429	OGFRP1	SPI1	CD68	6	1138	MIR155HG.1	CEBPB	HP	3
430	OGFRP1	E2F1	CDC25A	6	1139	MIR503HG.1	PAX5	CD19	5
431	OGFRP1	IRF1	CYBB	5	1140	MIR503HG.1	STAT1	TYMP	3
432	OGFRP1	E2F1	HELLS	3	1141	MIR503HG.1	PAX5	FCER2	5
433	OGFRP1	E2F1	AURKB	6	1142	MIR503HG.1	PAX5	CIITA	4
434	PCAT6	CDX2	CA1	4	1143	MIR503HG.1	IRF1	IFITM1	3
435	PCAT6	E2F1	CDC25A	6	1144	MIR503HG.1	AR	KLK4	3
436	PCAT6	E2F1	CDKN2A	3	1145	MIR503HG.1	IKZF1	IKZF3	5
437	PCAT6	E2F1	HELLS	6	1146	MNX1-AS1.1	JUN	HMMR	4
438	PCAT6	JUN	HMMR	1	1147	MNX1-AS1.1	SPIB	ITGAM	5
439	PCAT6	FOSL1	PLAUR	6	1148	MNX1-AS1.1	NFATC2	TNFSF14	6
440	PCAT6	E2F1	POLE2	6	1149	MNX1-AS1.1	AR	KLK4	4
441	PCAT6	E2F4	AURKB	6	1150	MNX1-AS1.1	IRF7	ISG15	6
442	PCAT6	E2F1	NUSAP1	6	1151	LPP-AS2	FUBP1	BRCA1	5
443	PCAT7	CDX2	CA1	4	1152	LPP-AS2	CDX2	CA1	4
444	PCAT7	STAT1	CD86	5	1153	LPP-AS2	SPI1	CD68	5
445	PCAT7	STAT1	FCGR1A	4	1154	LPP-AS2	USF1	CYP19A1	5
446	PCAT7	POU2F1	GNRHR	4	1155	LPP-AS2	IRF1	IL12B	3
447	PCAT7	IRF1	CXCL10	5	1156	LINC00592	NFATC2	CD3G	5
448	PCAT7	STAT1	PRF1	5	1157	LINC00592	NFATC2	CD40LG	5
449	PCAT7	AR	KLK4	4	1158	LINC00592	NFATC2	CTLA4	5
450	PRC1-AS1	E2F1	CDC25A	6	1159	LINC00592	STAT1	CYBB	5
451	PRC1-AS1	FOSL1	MMP1	3	1160	LINC00592	POU2F1	GNRHR	3
452	PRC1-AS1	NKX2-5	PLOD1	3	1161	LINC00592	SPI1	PTGIR	6
453	PRC1-AS1	CEBPB	DDIT4	5	1162	LINC00592	AR	KLK4	6
454	PVT1	NFATC2	CD40LG	6	1163	LINC00592	E2F1	NUSAP1	6
455	PVT1	PAX5	FCER2	6	1164	LINC00592	CEBPB	DDIT4	6
456	PVT1	E2F1	HELLS	6	1165	LEF1-AS1.1	SPI1	CD68	5
457	PVT1	IRF1	IL12A	6	1166	LINC00944	CDX2	CA1	4
458	PVT1	NFATC2	TNFSF14	6	1167	LINC00944	PAX5	CD19	5
459	RHPN1-AS1	RUNX2	IBSP	3	1168	LINC00944	PAX5	FCER2	5
460	RHPN1-AS1	FOSL1	IVL	3	1169	LINC00944	E2F1	HELLS	3
461	RHPN1-AS1	PAX5	CIITA	3	1170	LINC00944	PAX5	CIITA	4
462	RHPN1-AS1	IRF7	CCL5	6	1171	LINC00944	NKX2-5	PLOD1	4
463	RHPN1-AS1	IRF9	CCL19	6	1172	LINC00944	AR	KLK4	5
464	RHPN1-AS1	E2F4	AURKB	6	1173	THAP9-AS1	IRF1	IFIT2	6
465	RHPN1-AS1	STAT1	IL21	6	1174	THAP9-AS1	CEBPB	MEFV	3



Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
466	RP11-169D4.2	POU2F1	GNRHR	3	1175	THAP9-AS1	IRF1	IFITM1	6
467	RP11-169D4.2	NKX2-5	PLOD1	4	1176	THAP9-AS1	E2F4	AURKB	6
468	RP11-169D4.2	E2F1	POLE2	6	1177	THAP9-AS1	SPI1	ISG15	6
469	RP11-175D17.3	IRF4	B2M	6	1178	THAP9-AS1	CEBPB	DDIT4	5
470	RP11-175D17.3	PAX5	CD19	6	1179	LINC00601	STAT1	CD86	6
471	RP11-175D17.3	PAX5	FCER2	6	1180	LINC00601	SPI1	CD68	5
472	RP11-175D17.3	CEBPB	HP	4	1181	LINC00601	STAT1	CYBB	6
473	RP11-175D17.3	IRF1	IL12B	3	1182	LINC00601	STAT1	TYMP	6
474	RP11-175D17.3	PAX5	CIITA	3	1183	LINC00601	STAT1	FCGR1A	6
475	RP11-175D17.3	CEBPB	PI3	4	1184	LINC00601	RUNX2	IBSP	4
476	RP11-175D17.3	FOSL1	PLAUR	6	1185	LINC00601	PAX5	CIITA	5
477	RP11-175D17.3	IRF9	CCL19	3	1186	LINC00601	RUNX2	MMP13	4
478	RP11-175D17.3	PAX5	AICDA	6	1187	LINC00601	STAT1	PRF1	6
479	RP11-199F11-2	NFATC2	CTLA4	5	1188	LINC00601	NFATC2	TNFSF14	6
480	RP11-199F11-2	STAT6	FCER2	4	1189	PACERR	USF1	CYP19A1	5
481	RP11-199F11-2	IRF4	CIITA	5	1190	PCAT6.1	CDX2	CA1	4
482	RP11-199F11-2	FOXD1	SERPINE1	3	1191	PCAT6.1	E2F1	CDC25A	6
483	RP11-304L19.11	PAX5	CD19	5	1192	PCAT6.1	E2F1	CDKN2A	3
484	RP11-304L19.11	IRF1	IL10	6	1193	PCAT6.1	E2F1	HELLS	6
485	RP11-304L19.11	IRF1	IL12A	3	1194	PCAT6.1	JUN	HMMR	1
486	RP11-304L19.11	SPI1	NCF2	6	1195	PCAT6.1	FOSL1	PLAUR	6
487	RP11-304L19.11	IRF1	IFITM1	6	1196	PCAT6.1	E2F1	POLE2	6
488	RP11-304L19.11	PAX5	AICDA	5	1197	PCAT6.1	E2F4	AURKB	6
489	RP11-305O4.3	IRF4	B2M	6	1198	PCAT6.1	E2F1	NUSAP1	6
490	RP11-305O4.3	IRF1	IFIT2	5	1199	PCAT7.1	CDX2	CA1	4
491	RP11-305O4.3	IRF4	CIITA	6	1200	PCAT7.1	STAT1	CD86	5
492	RP11-305O4.3	SPI1	PTGIR	6	1201	PCAT7.1	STAT1	FCGR1A	4
493	RP11-351J23.2	CEBPZ	COL1A1	2	1202	PCAT7.1	POU2F1	GNRHR	4
494	RP11-351J23.2	USF1	CYP19A1	5	1203	PCAT7.1	IRF1	CXCL10	5
495	RP11-351J23.2	POU2F1	GNRHR	3	1204	PCAT7.1	STAT1	PRF1	5
496	RP11-351J23.2	STAT2	IL12A	6	1205	PCAT7.1	AR	KLK4	4
497	RP11-351J23.2	IRF1	IRF7	6	1206	PVT1.1	NFATC2	CD40LG	6
498	RP11-351J23.2	CEBPB	SLC11A1	3	1207	PVT1.1	PAX5	FCER2	6
499	RP11-351J23.2	NFATC2	TNFSF14	6	1208	PVT1.1	E2F1	HELLS	6
500	RP11-351J23.2	CEBPB	DDIT4	5	1209	PVT1.1	IRF1	IL12A	6
501	RP11-351J23.2	STAT2	IL21	6	1210	PVT1.1	NFATC2	TNFSF14	6
502	RP11-624C23.1	POU2F1	GNRHR	4	1211	RHPN1-AS1.1	RUNX2	IBSP	3
503	RP11-624C23.1	E2F1	HELLS	3	1212	RHPN1-AS1.1	FOSL1	IVL	3
504	RP11-624C23.1	SPI1	PTGIR	6	1213	RHPN1-AS1.1	PAX5	CIITA	3
505	RP11-79H23.3	E2F1	CDC25A	3	1214	RHPN1-AS1.1	IRF7	CCL5	6
506	RP11-79H23.3	STAT6	FCER2	4	1215	RHPN1-AS1.1	IRF9	CCL19	6
507	RP11-79H23.3	CEBPB	HP	3	1216	RHPN1-AS1.1	E2F4	AURKB	6
508	RP11-79H23.3	PAX5	CIITA	4	1217	RHPN1-AS1.1	STAT1	IL21	6
509	RP11-79H23.3	E2F1	POLE2	3	1218	RP11.169D4.2.2	POU2F1	GNRHR	3
510	RP11-79H23.3	AR	KLK4	4	1219	RP11.169D4.2.2	NKX2-5	PLOD1	4
511	RP11-838N2.5	NFATC2	CTLA4	6	1220	RP11.169D4.2.2	E2F1	POLE2	6
512	RP11-838N2.5	RUNX2	IBSP	6	1221	KCNMB2-AS1	RELB	B2M	5
513	RP11-838N2.5	IRF1	IL12B	5	1222	KCNMB2-AS1	E2F1	CDKN2A	3
514	RP11-838N2.5	CEBPB	MEFV	3	1223	KCNMB2-AS1	FOSL1	IVL	4
515	RP11-838N2.5	RUNX2	MMP13	6	1224	KCNMB2-AS1	E2F1	POLE2	6
516	RP11-838N2.5	NKX2-5	PLOD1	3	1225	LINC01833	IRF4	B2M	6
517	RP11-838N2.5	NFATC2	TNFSF14	6	1226	LINC01833	IRF8	B2M	6
518	RP11-909N17.2	CEBPZ	COL1A1	2	1227	LINC01833	FUBP1	BRCA1	3
519	RP11-909N17.2	IRF1	CYBB	5	1228	LINC01833	CDX2	CA1	3
520	RP11-909N17.2	POU2F1	PTGIR	3	1229	LINC01833	NFATC2	FCER2	5
521	RP3-508I15.14	RELB	B2M	5	1230	LINC01833	PAX5	FCER2	5
522	RP3-508I15.14	IRF1	CYBB	5	1231	LINC01833	IRF1	IFIT2	6
523	RP3-508I15.14	STAT1	CYBB	5	1232	LINC01833	IRF1	IFNB1	6
524	RP3-508I15.14	USF1	CYP19A1	4	1233	LINC01833	IRF1	IL12A	6

Table S1. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
525	RP3-508I15.14	IRF1	IFIT2	4	1234	LINC01833	IRF7	IL12A	3
526	RP3-508I15.14	IRF1	IFNB1	4	1235	LINC01833	STAT1	IL12A	6
527	RP3-508I15.14	STAT1	IDO1	5	1236	LINC01833	STAT2	IL12A	3
528	RP3-508I15.14	STAT1	IRF1	5	1237	LINC01833	CEBPB	MEFV	3
529	RP3-508I15.14	ETV7	LYN	5	1238	LINC01833	IRF9	CCL19	6
530	RP3-508I15.14	STAT1	CIITA	5	1239	LINC01833	IRF5	ISG15	3
531	RP3-508I15.14	STAT1	PRF1	5	1240	LINC01833	STAT1	IL21	6
532	RP3-508I15.14	IRF9	CCL19	4	1241	LINC01833	IRF1	IL27	6
533	RP3-508I15.14	IRF1	STAT1	5	1242	SNHG1.1	STAT6	FCER2	5
534	RP3-508I15.14	IRF1	IFITM1	4	1243	SNHG12.1	IRF4	CIITA	5
535	RP3-508I15.14	SPI1	ISG15	5	1244	SNHG12.1	FOSL1	PLAUR	6
536	RP3-508I15.14	IRF1	XAF1	5	1245	SNHG15.1	PAX5	FCER2	6
537	RP3-508I15.14	STAT1	IL21	5	1246	SNHG15.1	IRF1	IL12B	6
538	RP5-884M6.1	SPI1	CYBB	6	1247	SNHG15.1	SPIB	ITGAM	5
539	RP5-884M6.1	USF1	CYP19A1	4	1248	SNHG15.1	PAX5	CIITA	3
540	RP5-884M6.1	STAT1	TYMP	3	1249	SNHG15.1	POU2F1	PTGIR	3
541	RP5-884M6.1	IRF1	IFNB1	3	1250	SNHG15.1	IRF7	ISG15	5
542	RP5-884M6.1	IRF1	IL10	6	1251	SNHG16.1	SPIB	ITGAM	5
543	RP5-884M6.1	IRF7	IL12A	3	1252	SNHG16.1	STAT1	MSR1	6
544	RP5-884M6.1	IRF1	CXCL10	6	1253	SNHG16.1	SPI1	NCF2	5
545	RP5-884M6.1	FOSL1	IVL	4	1254	SNHG16.1	NKX2-5	PLOD1	3
546	RP5-884M6.1	STAT1	PSMB9	6	1255	SNHG16.1	IRF9	CCL19	6
547	RP5-884M6.1	SPI1	PTGIR	5	1256	SNHG16.1	SPI1	ISG15	3
548	RP5-884M6.1	IRF1	IFITM1	3	1257	SNHG16.1	CEBPB	DDIT4	5
549	RP5-884M6.1	IRF1	ISG15	6	1258	SNHG3.1	ETV7	LYN	6
550	RP5-884M6.1	E2F1	NUSAP1	6	1259	SNHG3.1	IRF4	CIITA	5
551	SH3PXD2A-AS1	E2F1	HELLS	3	1260	SNHG3.1	FOSL1	PLAUR	6
552	SH3PXD2A-AS1	IRF1	IL10	6	1261	SNHG6.1	PAX5	CD19	6
553	SH3PXD2A-AS1	IRF1	IL12A	3	1262	SNHG6.1	PAX5	FCER2	6
554	SH3PXD2A-AS1	PAX5	CIITA	5	1263	SNHG6.1	POU2F2	HLA-DRA	5
555	SH3PXD2A-AS1	E2F1	POLE2	6	1264	SNHG6.1	IRF1	IL12B	5
556	SH3PXD2A-AS1	IRF9	CCL19	6	1265	TCL6.1	STAT1	CYBB	5
557	SH3PXD2A-AS1	NFATC2	TNFSF14	6	1266	TCL6.1	JUN	HMMR	1
558	SH3PXD2A-AS1	E2F1	NUSAP1	6	1267	TCL6.1	IRF1	CXCL10	6
559	SLCO4A1-AS1	RUNX2	IBSP	3	1268	TCL6.1	RUNX2	MMP13	5
560	SLCO4A1-AS1	STAT2	IL12A	3	1269	TCL6.1	FOXD1	SERPINE1	4
561	SLCO4A1-AS1	SPI1	ITGAM	5	1270	TCL6.1	STAT1	PRF1	5
562	SLCO4A1-AS1	RUNX2	MMP13	6	1271	TCL6.1	IRF1	IFITM1	6
563	SNHG1	STAT6	FCER2	5	1272	TCL6.1	AR	KLK4	4
564	SNHG12	IRF4	CIITA	5	1273	TCL6.1	IRF5	ISG15	6
565	SNHG12	FOSL1	PLAUR	6	1274	TCL6.1	IRF7	ISG15	6
566	SNHG15	PAX5	FCER2	6	1275	IFNG-AS1	STAT6	FCER2	4
567	SNHG15	IRF1	IL12B	6	1276	IFNG-AS1	SPI1	GPR132	5
568	SNHG15	SPIB	ITGAM	5	1277	TUG1.1	E2F1	CDKN2A	3
569	SNHG15	PAX5	CIITA	3	1278	LINC01426	PAX5	CD19	5
570	SNHG15	POU2F1	PTGIR	3	1279	LINC01426	STAT1	CD86	6
571	SNHG15	IRF7	ISG15	5	1280	LINC01426	STAT1	TYMP	6
572	SNHG16	SPIB	ITGAM	5	1281	LINC01426	NFATC2	FCER2	6
573	SNHG16	STAT1	MSR1	6	1282	LINC01426	STAT1	FCGR1A	6
574	SNHG16	SPI1	NCF2	5	1283	LINC01426	POU2F1	GNRHR	4
575	SNHG16	NKX2-5	PLOD1	3	1284	LINC01426	JUN	HMMR	4
576	SNHG16	IRF9	CCL19	6	1285	LINC01426	IRF1	IL10	6
577	SNHG16	SPI1	ISG15	3	1286	LINC01426	IRF1	IL12A	3
578	SNHG16	CEBPB	DDIT4	5	1287	LINC01426	IRF7	IL12A	3
579	SNHG17	IRF4	B2M	5	1288	LINC01426	IRF1	IRF7	6
580	SNHG17	STAT1	IL2RA	5	1289	LINC01426	FOSL1	IVL	4
581	SNHG17	IRF1	IRF7	5	1290	LINC01426	PAX5	CIITA	4
582	SNHG17	IRF5	ISG15	5	1291	LINC01426	SPI1	PTGIR	5
583	SNHG17	IRF1	IL27	5	1292	LINC01426	IRF1	IFITM1	6

Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
584	SNHG3	ETV7	LYN	6	1293	LINC01426	IRF1	ISG15	6
585	SNHG3	IRF4	CIITA	5	1294	LINC01589	NFATC2	CD3G	6
586	SNHG3	FOSL1	PLAUR	6	1295	LINC01589	PAX5	CD19	6
587	SNHG6	PAX5	CD19	6	1296	LINC01589	E2F1	CDC25A	5
588	SNHG6	PAX5	FCER2	6	1297	LINC01589	E2F1	CDKN2A	4
589	SNHG6	POU2F2	HLA-DRA	5	1298	LINC01589	NFATC2	CTLA4	6
590	SNHG6	IRF1	IL12B	5	1299	LINC01589	NFATC2	FCER2	3
591	TCL6	STAT1	CYBB	5	1300	LINC01589	PAX5	FCER2	6
592	TCL6	JUN	HMMR	1	1301	LINC01589	POU2F1	GNRHR	4
593	TCL6	IRF1	CXCL10	6	1302	LINC01589	CEBPB	HP	4
594	TCL6	RUNX2	MMP13	5	1303	LINC01589	PAX5	CIITA	3
595	TCL6	FOXD1	SERPINE1	4	1304	LINC01589	NFATC2	TNFSF14	6
596	TCL6	STAT1	PRF1	5	1305	LINC01589	E2F1	AURKB	5
597	TCL6	IRF1	IFITM1	6	1306	LINC01589	PAX5	AICDA	3
598	TCL6	AR	KLK4	4	1307	RP11-553L6.5	IRF1	CYBB	6
599	TCL6	IRF5	ISG15	6	1308	RP11-553L6.5	STAT1	CYBB	6
600	TCL6	IRF7	ISG15	6	1309	RP11-553L6.5	PAX5	CIITA	5
601	TUG1	E2F1	CDKN2A	3	1310	RP11-553L6.5	CEBPB	PI3	3
602	UXT-AS1	STAT1	TYMP	3	1311	RP11-553L6.5	STAT1	PRF1	6
603	UXT-AS1	STAT6	FCER2	4	1312	LINC00494	FOSL1	PLAU	4
604	UXT-AS1	STAT1	IL12A	6	1313	LINC00494	E2F4	AURKB	6
605	UXT-AS1	PAX5	AICDA	5	1314	LINC00494	SPI1	ISG15	3
606	VIM-AS1	JUN	ATF3	6	1315	VPS9D1-AS1.1	E2F1	HELLS	3
607	VIM-AS1	USF1	CYP19A1	3	1316	VPS9D1-AS1.1	STAT1	IL12A	5
608	VIM-AS1	POU2F1	GNRHR	3	1317	VPS9D1-AS1.1	FOXA2	PDX1	6
609	VIM-AS1	CEBPB	HP	3	1318	VPS9D1-AS1.1	FOSL1	MMP1	3
610	VIM-AS1	IRF1	IFNB1	3	1319	VPS9D1-AS1.1	IRF9	CCL19	6
611	VIM-AS1	IRF7	IFNB1	6	1320	VPS9D1-AS1.1	E2F1	TERT	3
612	VIM-AS1	SPIB	ITGAM	6	1321	VPS9D1-AS1.1	E2F1	NUSAP1	6
613	VIM-AS1	NKX2-5	PLOD1	3	1322	WT1-AS.1	RELB	B2M	6
614	VPS9D1-AS1	E2F1	HELLS	3	1323	WT1-AS.1	CDX2	CA1	4
615	VPS9D1-AS1	STAT1	IL12A	5	1324	WT1-AS.1	SPI1	CD68	5
616	VPS9D1-AS1	FOXA2	PDX1	6	1325	WT1-AS.1	E2F1	CDC25A	6
617	VPS9D1-AS1	FOSL1	MMP1	3	1326	WT1-AS.1	USF1	CYP19A1	4
618	VPS9D1-AS1	IRF9	CCL19	6	1327	WT1-AS.1	STAT1	TYMP	3
619	VPS9D1-AS1	E2F1	TERT	3	1328	WT1-AS.1	POU2F1	GNRHR	4
620	VPS9D1-AS1	E2F1	NUSAP1	6	1329	WT1-AS.1	JUN	HMMR	1
621	WT1-AS	RELB	B2M	6	1330	WT1-AS.1	IRF1	IL10	6
622	WT1-AS	CDX2	CA1	4	1331	WT1-AS.1	FOSL1	PLAUR	6
623	WT1-AS	SPI1	CD68	5	1332	WT1-AS.1	SPI1	PTGIR	5
624	WT1-AS	E2F1	CDC25A	6	1333	WT1-AS.1	CEBPB	DDIT4	5
625	WT1-AS	USF1	CYP19A1	4	1334	WT1-AS.1	PAX5	AICDA	6
626	WT1-AS	STAT1	TYMP	3	1335	RP11-379B8.1	STAT1	IL2RA	6
627	WT1-AS	POU2F1	GNRHR	4	1336	RP11-379B8.1	FOSL1	IVL	4
628	WT1-AS	JUN	HMMR	1	1337	RP11-379B8.1	E2F1	POLE2	6
629	WT1-AS	IRF1	IL10	6	1338	RP11-379B8.1	IRF1	IFITM1	3
630	WT1-AS	FOSL1	PLAUR	6	1339	RP11-379B8.1	E2F4	AURKB	6
631	WT1-AS	SPI1	PTGIR	5	1340	RP11-379B8.1	IRF1	ISG15	6
632	WT1-AS	CEBPB	DDIT4	5	1341	ZNF295-AS1.1	RELB	B2M	6
633	WT1-AS	PAX5	AICDA	6	1342	ZNF295-AS1.1	E2F1	CDC25A	6
634	ZEB1-AS1	CDX2	CA1	4	1343	ZNF295-AS1.1	POU2F1	GNRHR	4
635	ZEB1-AS1	STAT6	FCER2	4	1344	ZNF295-AS1.1	E2F1	HELLS	6
636	ZEB1-AS1	IRF7	IL12A	3	1345	ZNF295-AS1.1	CEBPB	HP	3
637	ZFPM2-AS1	NFATC2	FCER2	3	1346	ZNF295-AS1.1	STAT1	IL2RA	6
638	ZFPM2-AS1	POU2F1	GNRHR	4	1347	ZNF295-AS1.1	STAT1	IDO1	6
639	ZFPM2-AS1	E2F1	HELLS	6	1348	ZNF295-AS1.1	SPIB	ITGAM	5
640	ZFPM2-AS1	IRF7	IFNB1	6	1349	ZNF295-AS1.1	NKX2-5	PLOD1	3
641	ZFPM2-AS1	STAT1	IL12A	3	1350	ZNF295-AS1.1	IRF5	ISG15	6
642	ZNF295-AS1	RELB	B2M	6	1351	ZNF295-AS1.1	SPI1	ISG15	3

Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
643	ZNF295-AS1	E2F1	CDC25A	6	1352	ZNF295-AS1.1	IRF1	XAF1	6
644	ZNF295-AS1	POU2F1	GNRHR	4	1353	RASSF1-AS1.1	STAT6	FCER2	4
645	ZNF295-AS1	E2F1	HELLS	6	1354	RASSF1-AS1.1	STAT1	IL12A	5
646	ZNF295-AS1	CEBPB	HP	3	1355	RASSF1-AS1.1	PAX5	CIITA	5
647	ZNF295-AS1	STAT1	IL2RA	6	1356	RASSF1-AS1.1	E2F4	AURKB	6
648	ZNF295-AS1	STAT1	IDO1	6	1357	RASSF1-AS1.1	CEBPB	DDIT4	6
649	ZNF295-AS1	SPIB	ITGAM	5	1358	GATA6-AS1.1	STAT6	FCER2	4
650	ZNF295-AS1	NKX2-5	PLOD1	3	1359	GATA6-AS1.1	IRF1	ISG15	6
651	ZNF295-AS1	IRF5	ISG15	6	1360	CTC-276P9-4.1	FUBP1	BRCA1	6
652	ZNF295-AS1	SPI1	ISG15	3	1361	CTC-276P9-4.1	E2F1	CDC25A	6
653	ZNF295-AS1	IRF1	XAF1	6	1362	CTC-276P9-4.1	POU2F1	GNRHR	4
654	MIR4435-2HG	FOSL1	PLAU	4	1363	CTC-276P9-4.1	IRF1	IL10	5
655	PAX8-AS1	STAT1	IDO1	5	1364	CTC-276P9-4.1	IRF1	IL12B	6
656	PAX8-AS1	IRF1	IRF7	5	1365	CTC-276P9-4.1	JUN	MSH2	1
657	PAX8-AS1	NFATC2	TNFSF14	5	1366	CTC-276P9-4.1	FOXD1	SERPINE1	3
658	CDKN2B-AS1	PAX5	FCER2	6	1367	CTC-276P9-4.1	E2F1	AURKB	6
659	CDKN2B-AS1	NKX2-5	PLOD1	3	1368	CTC-276P9-4.1	E2F1	NUSAP1	6
660	CDKN2B-AS1	IRF9	CCL19	6	1369	CTC-276P9-4.1	CDX2	UGT1A8	3
661	CDKN2B-AS1	IRF1	IFITM1	6	1370	LINC02154.1	E2F1	CDC25A	6
662	CDKN2B-AS1	PAX5	AICDA	3	1371	LINC02154.1	PAX5	FCER2	6
663	AP001626.2	NFATC2	CD40LG	5	1372	LINC02154.1	E2F1	HELLS	6
664	AP001626.2	SPI1	CD68	5	1373	LINC02154.1	FOSL1	MMP1	4
665	AP001626.2	IRF4	CIITA	5	1374	LINC02154.1	E2F1	POLE2	6
666	AP001626.2	E2F1	AURKB	4	1375	LINC02154.1	E2F1	NUSAP1	6
667	AP001626.2	SPI1	GPR132	6	1376	LINC02154.1	PAX5	AICDA	6
668	CTC-276P9.4	FUBP1	BRCA1	6	1377	LINC02154.1	STAT1	IL21	5
669	CTC-276P9.4	E2F1	CDC25A	6	1378	LINC00887.1	STAT1	CYBB	5
670	CTC-276P9.4	POU2F1	GNRHR	4	1379	LINC00887.1	JUN	HMMR	4
671	CTC-276P9.4	IRF1	IL10	5	1380	LINC00887.1	IRF1	CXCL10	5
672	CTC-276P9.4	IRF1	IL12B	6	1381	LINC00887.1	FOSL1	IVL	4
673	CTC-276P9.4	JUN	MSH2	1	1382	LINC00887.1	CEBPB	PI3	4
674	CTC-276P9.4	FOXD1	SERPINE1	3	1383	HOXA11-AS.2	NFATC2	FCER2	6
675	CTC-276P9.4	E2F1	AURKB	6	1384	HOXA11-AS.2	PAX5	FCER2	6
676	CTC-276P9.4	E2F1	NUSAP1	6	1385	HOXA11-AS.2	CEBPB	HP	4
677	CTC-276P9.4	CDX2	UGT1A8	3	1386	LINC01315.1	NFATC2	CTLA4	5
678	HAGLROS	STAT1	CD86	6	1387	LINC01315.1	POU2F2	HLA-DRA	5
679	HAGLROS	STAT1	TYMP	6	1388	LINC01315.1	PAX5	CIITA	5
680	HAGLROS	STAT1	FCGR1A	6	1389	LINC01315.1	NFATC2	TNFSF14	5
681	HAGLROS	IKZF1	GZMB	6	1390	FAM3D-AS1.1	STAT1	CD86	5
682	HAGLROS	IRF1	IFNB1	3	1391	FAM3D-AS1.1	POU2F1	GNRHR	3
683	HAGLROS	IRF1	IL10	6	1392	FAM3D-AS1.1	FOSL1	IVL	3
684	HAGLROS	IRF1	IL12A	3	1393	FAM3D-AS1.1	CEBPB	MEFV	3
685	HAGLROS	IRF1	IRF7	6	1394	FAM3D-AS1.1	IRF5	ISG15	6
686	HAGLROS	STAT1	PSMB9	6	1395	LPP-AS2.1	FUBP1	BRCA1	5
687	HAGLROS	IRF1	IFITM1	3	1396	LPP-AS2.1	CDX2	CA1	4
688	HAGLROS	CEBPB	DDIT4	6	1397	LPP-AS2.1	SPI1	CD68	5
689	HAGLROS	STAT1	IL21	6	1398	LPP-AS2.1	USF1	CYP19A1	5
690	LINC01234	CDX2	CA1	4	1399	LPP-AS2.1	IRF1	IL12B	3
691	LINC01234	NFATC2	FCER2	3	1400	PACERR.1	USF1	CYP19A1	5
692	LINC01234	E2F1	HELLS	3	1401	LINC01705	RELB	B2M	6
693	LINC01234	JUN	HMMR	1	1402	LINC01705	STAT1	CD86	6
694	LINC01234	SPI1	ISG15	4	1403	LINC01705	NFATC2	CTLA4	6
695	LINC01234	E2F1	NUSAP1	6	1404	LINC01705	STAT1	TYMP	6
696	FOXP4-AS1	E2F1	HELLS	6	1405	LINC01705	NFATC2	FCER2	3
697	FOXP4-AS1	RUNX2	IBSP	3	1406	LINC01705	PAX5	FCER2	6
698	FOXP4-AS1	SPIB	ITGAM	5	1407	LINC01705	STAT1	FCGR1A	6
699	FOXP4-AS1	FOSL1	MMP1	3	1408	LINC01705	IRF1	IL10	6
700	FOXP4-AS1	IRF7	CCL5	6	1409	LINC01705	IRF1	IL12A	3
701	CYTOR	STAT1	CD86	6	1410	LINC01705	IRF7	IL12A	3

Table SI. Continued.

Number	lncRNA	TF	Gene	Class	Number	lncRNA	TF	Gene	Class
702	CYTOR	STAT1	TYMP	6	1411	LINC01705	STAT2	IL12A	3
703	CYTOR	STAT1	FCGR1A	6	1412	LINC01705	SPIB	ITGAM	3
704	LINC01139	POU2F2	HLA-DRA	5	1413	LINC01705	STAT1	PRF1	6
705	LINC01139	CEBPB	HP	3	1414	LINC01705	SPI1	PTGIR	5
706	LINC01139	IRF1	IFNB1	3	1415	LINC01705	STAT1	SOAT1	5
707	LINC01139	IRF7	IFNB1	6	1416	LINC01705	NFATC2	TNFSF14	6
708	LINC01139	SPI1	ITGAM	6	1417	LINC01705	SPI1	GPR132	6
709	LINC01139	VAV1	ITGAM	6					

lncRNA, long non-coding RNA; TF, transcription factor.