

**Table 1: CpG islands in the *HOXA* cluster**

<i>HOXA</i> CGIs	Genomic location	No. CpG	Methylation in A549 cells <sup>1</sup>
1	chr7:27094026-27094893	77	—
2	chr7:27100623-27100828	17	—
3	chr7:27101868-27103261	116	+
4	chr7:27109707-27110004	24	+
5	chr7:27112595-27113125	49	+
6	chr7:27114115-27114914	67	—
7	chr7:27116556-27116943	45	+
8	chr7:27119713-27120172	46	—
9	chr7:27121525-27121951	33	—
10	chr7:27128613-27128951	24	—
11	chr7:27130345-27130623	32	+
12	chr7:27136098-27137163	87	—
13	chr7:27145588-27146036	37	—
14	chr7:27149139-27152087	207	+
15	chr7:27153453-27154217	63	—
16	chr7:27156800-27157640	72	—
17	chr7:27161109-27161352	28	+
18	chr7:27162127-27163092	91	+
19	chr7:27164708-27165039	28	—
20	chr7:27166187-27167485	94	—
21	chr7:27170441-27172987	201	+
22	chr7:27175397-27176141	53	—
23	chr7:27178942-27180921	183	+
24	chr7:27185835-27186275	36	—
25	chr7:27190793-27191121	33	+
26	chr7:27191576-27192154	41	+
27	chr7:27194046-27195568	97	+
28	chr7:27198331-27199622	114	+
29	chr7:27205216-27206836	113	+
30	chr7:27211056-27211822	69	+
31	chr7:27219207-27220360	84	—
32	chr7:27226627-27226992	37	—
33	chr7:27231684-27232018	40	+
34	chr7:27241581-27242151	54	—
35	chr7:27245471-27245994	51	+
36	chr7:27248612-27249661	81	+
37	chr7:27249934-27250139	17	—
38	chr7:27251165-27252762	132	+
39	chr7:27257645-27258722	89	+

Note 1: Methylation status was determined from Agilent CpG island microarrays. A plus sign (+) indicates that the CpG island is hypermethylated in A549 compared with NHBE cells shown by multiple oligos with a hybridization signal ratio  $\geq 3.0$ ; A minus (-) sign indicates that the gene is either unmethylated or methylated to a similar level as the NHBE control.