

Table S3. The binding sites of HOXA9 in lnc-eRNAs loci

PeakID	Ch r	Start	End	Str and	Peak Score	Focus Ratio/Region Size	Lnc-eRNA
chr1- 142	chr 1	319562 62	319564 98	+	43.4	0.793	SERINC2-ELA1
chr1-63	chr 1	319899 19	319901 55	+	80.2	0.912	SERINC2-ELA2
chr8- 744	chr 8	669287 73	669290 09	+	14.9	0.748	DNAJC5B-ELA1
chr8- 117	chr 8	668940 28	668942 64	+	81.3	0.754	DNAJC5B-ELA1
chr1- 405	chr 1	198906 508	198906 744	+	26.2	0.827	MIR181A1HG- ELA1
chr16- 119	chr 16	814648 92	814651 28	+	32.1	0.92	CMIP-ELA1
chr3- 790	chr 3	197228 777	197229 013	+	16.2	0.88	BDH1-ELA1
chr4- 122	chr 4	841616 90	841619 26	+	40.2	0.706	COQ2-ELA1
chr4- 346	chr 4	841527 77	841530 13	+	17.2	0.656	COQ2-ELA1
chr13- 208	chr 13	512526 57	512528 93	+	18.9	0.609	DLEU7-ELA1
chr1- 2282	chr 1	279449 22	279451 58	+	10.2	0.8	FGR-ELA1
chr1- 2116	chr 1	279516 21	279518 57	+	11.1	0.898	FGR-ELA1
chr1- 962	chr 1	279526 55	279528 91	+	16.6	0.875	FGR-ELA1
chr13- 482	chr 13	240345 57	240347 93	+	15.5	0.804	SACS-ELA1
chr13- 274	chr 13	240365 85	240368 21	+	20.2	0.75	SACS-ELA1
chr5- 6607	chr 5	880145 89	880148 25	+	7.66	0.733	MEF2C-ELA1
chr5- 2493	chr 5	880564 20	880566 56	+	10.2	0.764	MEF2C-ELA1
chr5- 3902	chr 5	883599 59	883601 95	+	8.93	0.7	MEF2C-ELA1
chr5- 5792	chr 5	884140 90	884143 26	+	8.3	0.83	MEF2C-ELA1
chr5- 5792	chr 5	885896 90	885899 26	+	72.3	0.887	MEF2C-ELA1

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chr5-382	chr 5	885989 44	885991 80	+	26.8	0.801	MEF2C-ELA1
chr5-29	chr 5	886043 91	886046 27	+	150.4	0.985	MEF2C-ELA1
chr5-187	chr 5	886925 92	886928 28	+	45.1	0.872	MEF2C-ELA1
chr1-1	chr 1	121485 084	121485 320	+	5820	0.668	SRGAP2C-ELA1
chr1-87	chr 1	121200 604	121200 840	+	62.3	0.934	SRGAP2C-ELA1
chr1-447	chr 1	121478 545	121478 781	+	45.7	0.991	SRGAP2C-ELA1
chr1-800	chr 1	121355 623	121355 859	+	29.6	0.875	SRGAP2C-ELA1
chr1-694	chr 1	121357 900	121358 136	+	23.6	0.982	SRGAP2C-ELA1
chr1-2871	chr 1	121386 185	121386 421	+	10.8	0.981	SRGAP2C-ELA1
chr1-2345	chr 1	121258 442	121258 678	+	9.36	0.785	SRGAP2C-ELA1
chr1-3086	chr 1	121225 793	121226 029	+	6.38	0.648	SRGAP2C-ELA1
chr5-355	chr 5	964173	964409	+	25.3	0.672	NKD2-ELA1
chr5-630	chr 5	976733	976969	+	25.3	0.992	NKD2-ELA1
chr5-731	chr 5	997426	997662	+	18.9	0.823	NKD2-ELA1
chr2-4224	chr 2	285894 09	285896 45	+	6.59	0.821	BRE-ELA1
chr9-2514	chr 9	684556 52	684558 88	+	6.59	0.875	FRGIJP-ELA1
chr3-1090	chr 3	113308 35	113310 71	+	10.8	0.617	ATG7-ELA1
chr3-1531	chr 3	113457 33	113459 69	+	10	0.783	ATG7-ELA1