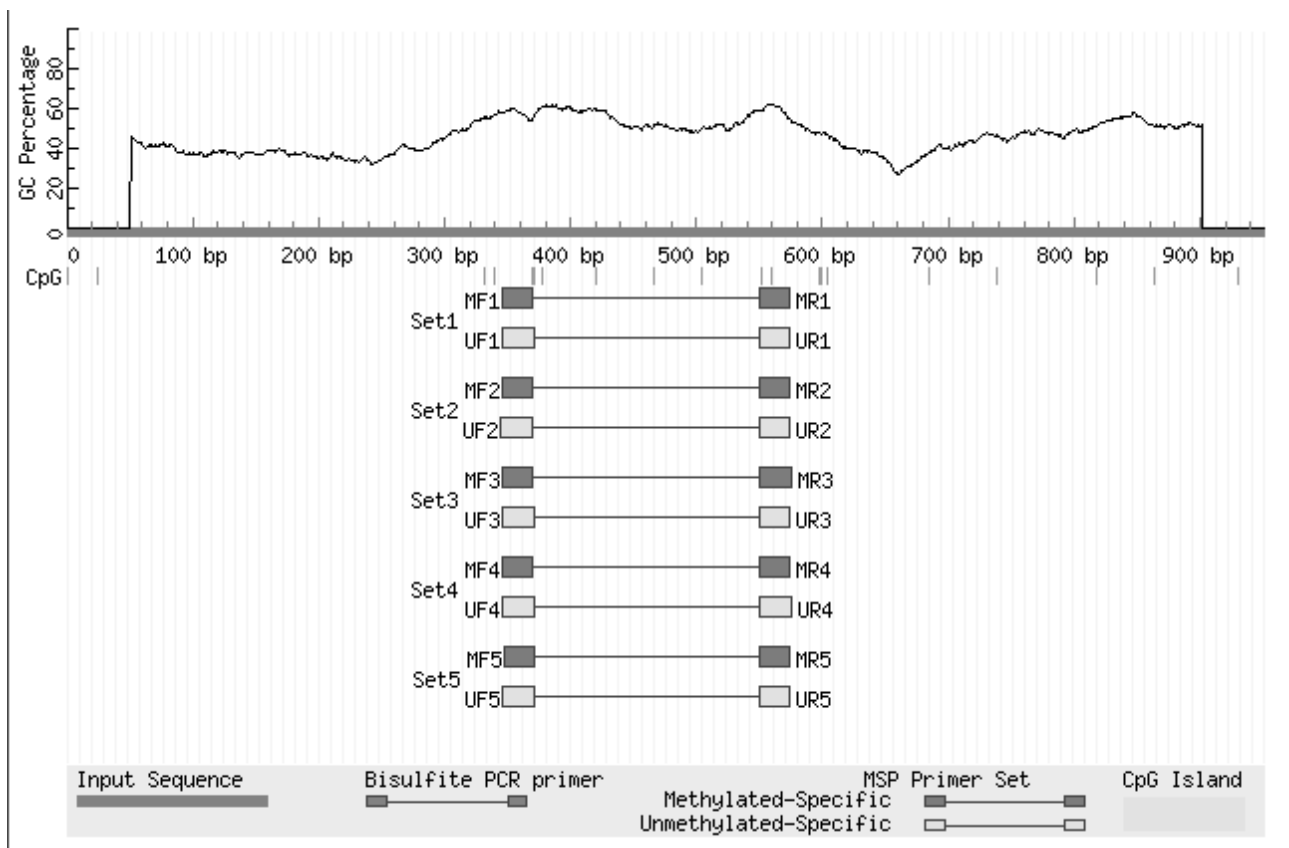


METHPRIMER ANALYSIS OF HUMAN NANOG PROMOTER



Primers for Methylation Specific PCR (MSP)

Description	Primer position	Sequence	T _a	Amplicon size
Methylated specific primer	-554	GTTGTTTAGGTTGGAGTATAGTGGC	60°C	229 bp
	-325	AAATTAAAAAACCGTAACAAACGAA		
Unmethylated specific primer	-555	TGTTGTTTAGGTTGGAGTATAGTGGT	60°C	230 bp
	-325	AAATTAAAAAACCATTAACAAACAAA		

Primers for CHART PCR

Description	Primer position	Sequence	T _a	Amplicon size
NANOG promoter Distal region	-2411	CTTCCCTTTGGTCTTTCACT	60°C	192 bp
	-2220	CAGCACAGTTTGTTAAGTGG		
NANOG promoter Proximal region	-1073	GGCTGGTTTCAAACCTCTGA	60°C	177 bp
	-897	GGTTCACCACGTTTCCAAC		
Lycopersicon esculentum GAPDH	1039	GTTCCCGTGTGATTGATTGG	56°C	125 bp
	1163	CACTCCAGGCCCAAACTA		