

Appendix I Histone modification sites in suspected promoter fragments of *ZNF2* gene in pig reference sequences

Fragment	Chromosome	Start (fragment)	End (fragment)	Breed	Start (histone)	End (histone)	ChIP-seq data
Frag.1	Chr3	46106949	46107661	Duroc	46105413	46107211	GSM4256254_Duroc_2W_1_Fat_H3K4me3
Frag.1	Chr3	46106949	46107661	Duroc	46105434	46107212	GSM4256258_Duroc_2W_1_Heart_H3K4me3
Frag.1	Chr3	46106949	46107661	Duroc	46105505	46106982	GSM4256252_Duroc_2W_1_Fat_H3K27ac
Frag.1	Chr3	46106949	46107661	Duroc	46105522	46107201	GSM4256266_Duroc_2W_1_Muscle_H3K4me3
Frag.1	Chr3	46106949	46107661	Duroc	46105621	46107190	GSM4256262_Duroc_2W_1_Liver_H3K4me3
Frag.1	Chr3	46106949	46107661	Duroc	46105672	46107273	GSM4256270_Duroc_2W_1_Spleen_H3K4me3
Frag.1	Chr3	46106949	46107661	Duroc	46105764	46107158	GSM4256256_Duroc_2W_1_Heart_H3K27ac
Frag.1	Chr3	46106949	46107661	Duroc	46105772	46107088	GSM4256268_Duroc_2W_1_Spleen_H3K27ac
Frag.1	Chr3	46106949	46107661	Duroc	46105788	46107088	GSM4256260_Duroc_2W_1_Liver_H3K27ac
Frag.1	Chr3	46106949	46107661	Duroc	46105803	46106999	GSM4256264_Duroc_2W_1_Muscle_H3K27ac
Frag.2	Chr3	46105305	46106969	Duroc	46105413	46107211	GSM4256254_Duroc_2W_1_Fat_H3K4me3
Frag.2	Chr3	46105305	46106969	Duroc	46105434	46107212	GSM4256258_Duroc_2W_1_Heart_H3K4me3
Frag.2	Chr3	46105305	46106969	Duroc	46105505	46106982	GSM4256252_Duroc_2W_1_Fat_H3K27ac
Frag.2	Chr3	46105305	46106969	Duroc	46105522	46107201	GSM4256266_Duroc_2W_1_Muscle_H3K4me3
Frag.2	Chr3	46105305	46106969	Duroc	46105621	46107190	GSM4256262_Duroc_2W_1_Liver_H3K4me3
Frag.2	Chr3	46105305	46106969	Duroc	46105672	46107273	GSM4256270_Duroc_2W_1_Spleen_H3K4me3
Frag.2	Chr3	46105305	46106969	Duroc	46105764	46107158	GSM4256256_Duroc_2W_1_Heart_H3K27ac
Frag.2	Chr3	46105305	46106969	Duroc	46105772	46107088	GSM4256268_Duroc_2W_1_Spleen_H3K27ac
Frag.2	Chr3	46105305	46106969	Duroc	46105788	46107088	GSM4256260_Duroc_2W_1_Liver_H3K27ac
Frag.2	Chr3	46105305	46106969	Duroc	46105803	46106999	GSM4256264_Duroc_2W_1_Muscle_H3K27ac
Frag.3	Chr3	46104026	46105328	Duroc	None	None	None