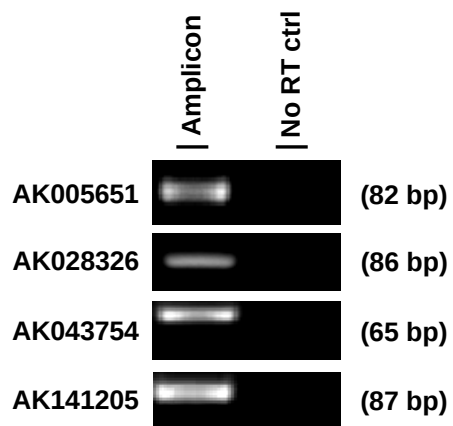
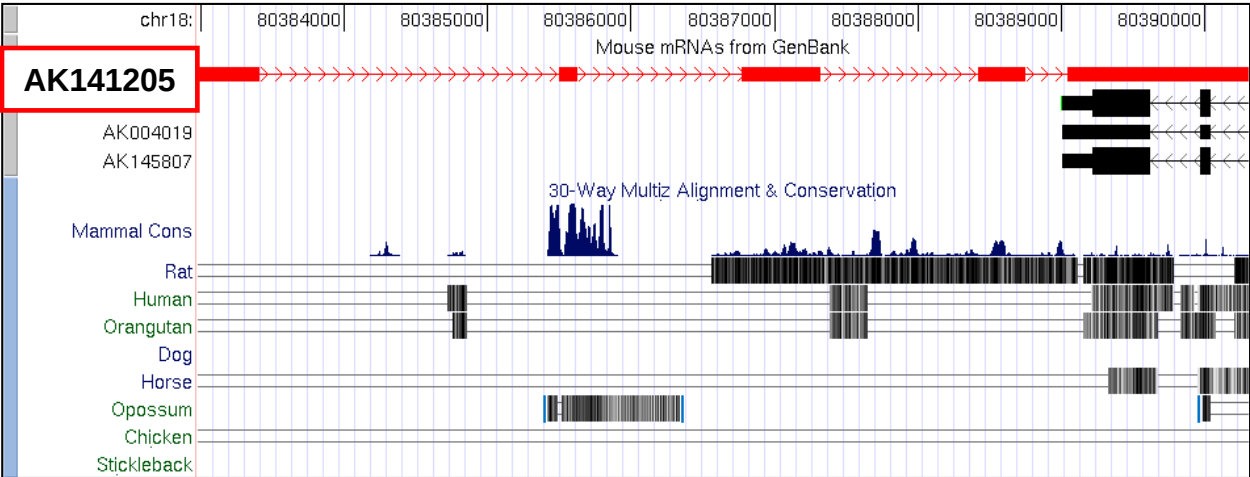
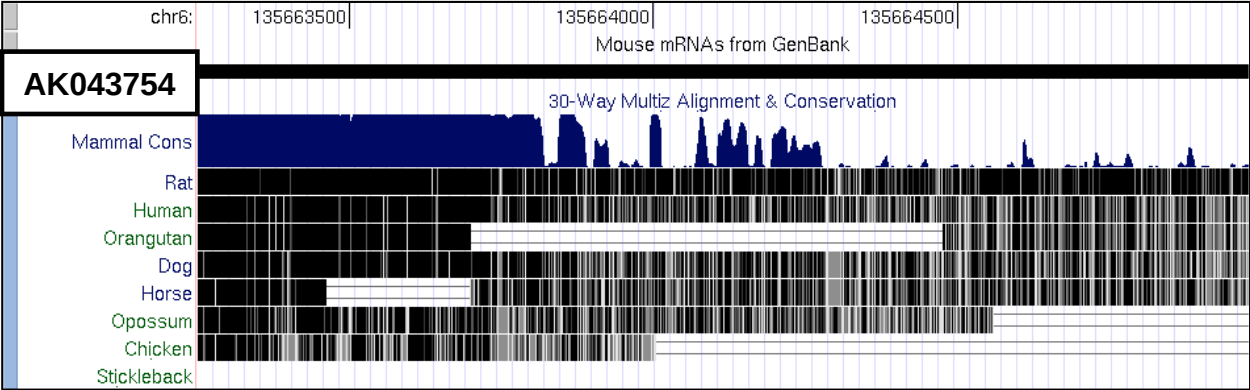
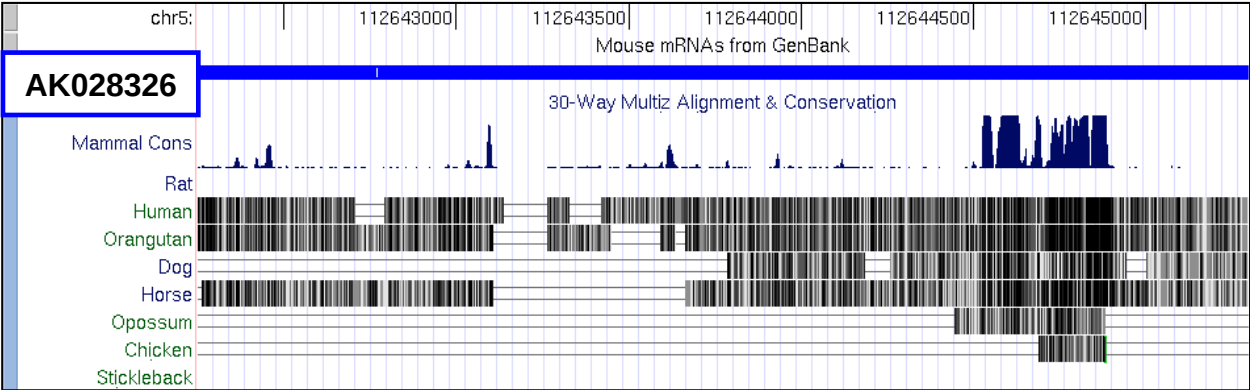
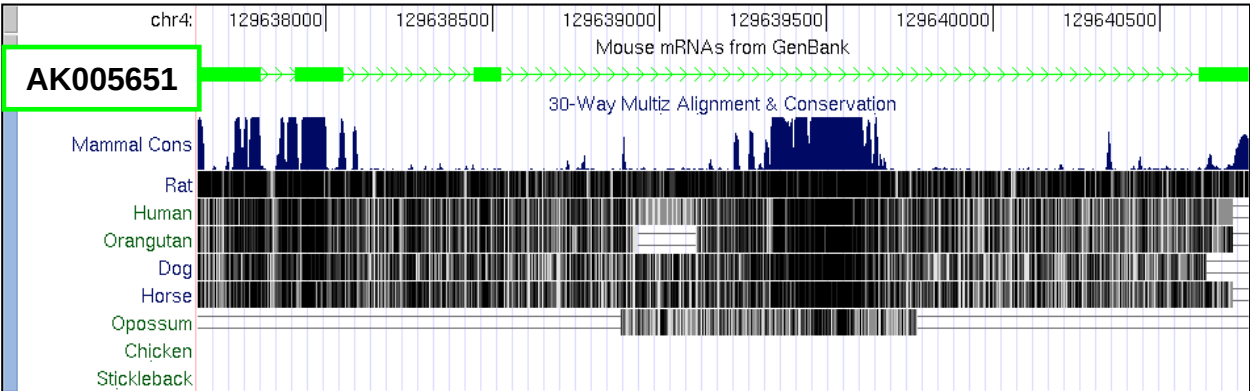
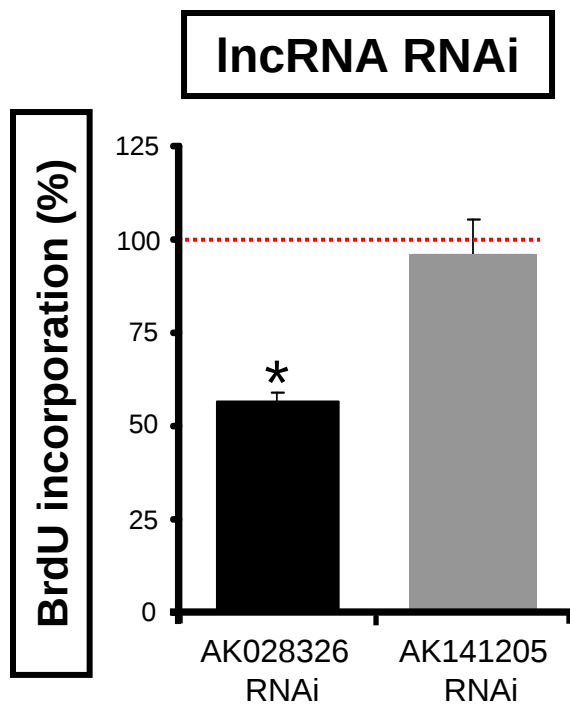


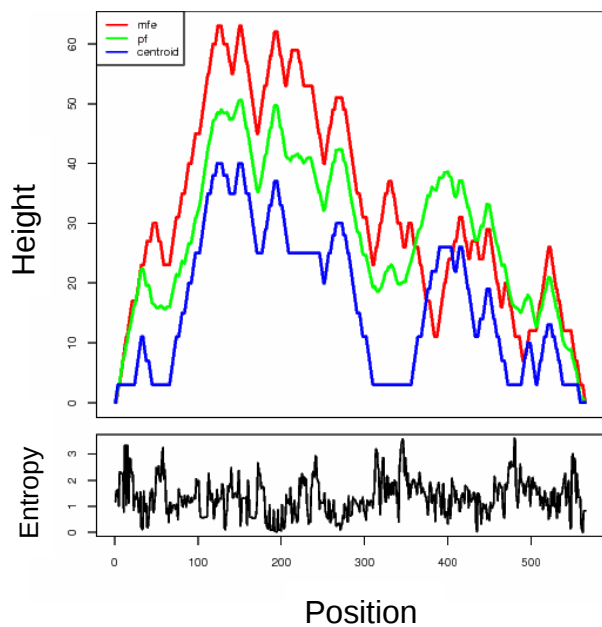




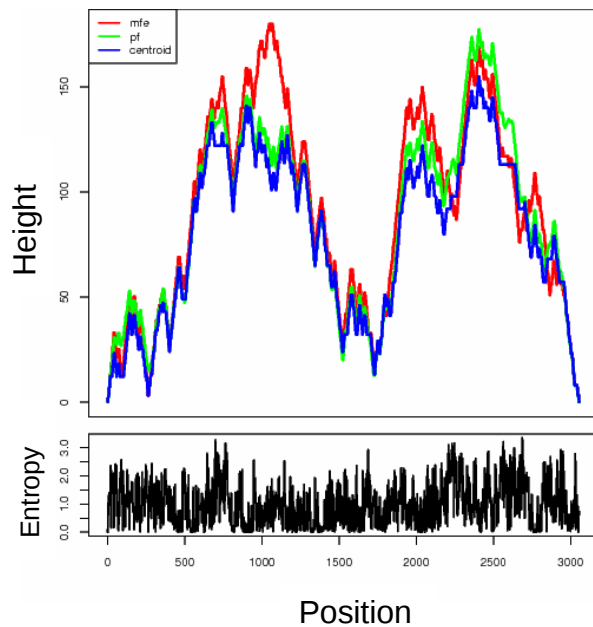
Supplemental Figure 2



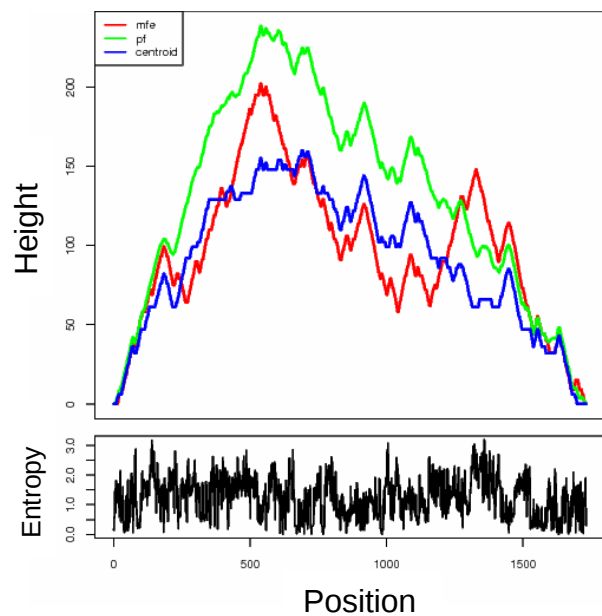
AK005651



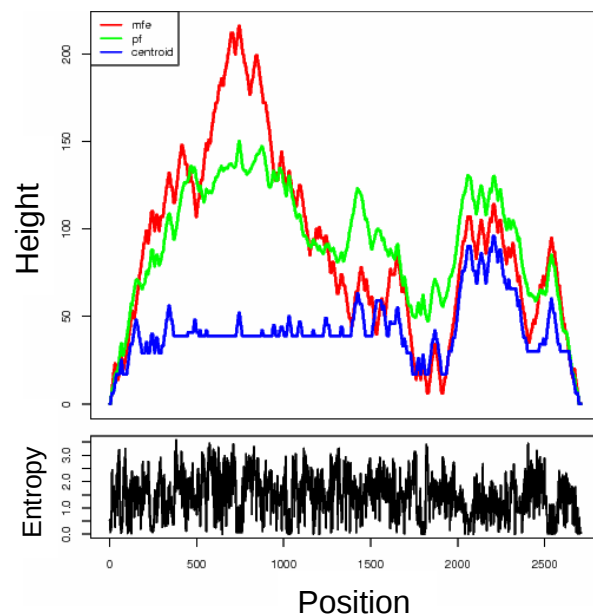
AK028326



AK043754



AK141205



Transcript	Forward primer (5'-3')	Reverse primer (5'-3')	Amplicon size (bp)
AK028326	ctgaGGATCCAGAGGGCATCAGGAAGTTTG	cactGCGGCCCGCCAGTGTGTGTCGGTTTTAATATTG	3056
AK141205	GCTGAGGTCGACAGAACGGCTCAGAGAGAA	CGCAGCCCCGGGAGTTATGTAATTCAGCCC	2710

Transcript	Forward primer (5'-3')	Reverse primer (5'-3')	TAMRA probe	Amplicon size (bp)
AK005651	AGCAGTTGCGTTGCAAATTTACATA	AGGGATAGTTGCCCAAACAAGTT	CCGGCTCCGCCTCTA	82
AK028326	GGGAGGTGTATAAAGTGAGAAGCT	GTATCCCAAGGAATGAAGTCTGTCT	CAAGCCCCAGGCCTC	86
AK043754	GGGAGTTTTGTGACCCATTGAC	CCACAAATGCAAGGGCTAACTCTA	CCCCGCACTCATACCT	65
AK141205	TGAGAAAAGACATTTGTCCTGGAAGAC	CTCCCAATAATAAGTAGCCAGTGACAT	CCAGCCACCAGCAGTC	87

Gene Symbol	Descriptive Name	Lineage Specificity
Sox2	SRY-related box 2	Pluripotent
Klf4	Kruppel-like factor 4	Pluripotent
Gdf3	Growth differentiation factor-3	Pluripotent
Fgf4	Fibroblast growth factor 4	Pluripotent
Dppa3	Developmental pluripotency associated 3	Pluripotent
TFAp2a	Transcription factor associated protein 2 alpha	Trophectoderm
TFAp2c	Transcription factor associated protein 2 gamma	Trophectoderm
Krt8	Keratin 8	Trophectoderm
Id2	Inhibitor of differentiation 2	Trophectoderm
Hand1	Heart and neural crest derivatives expressed 1	Trophectoderm
Gata3	GATA binding protein 3	Trophectoderm
Cebpa	CCAAT/ enhancer binding protein (C/EBP), alpha	Trophectoderm
Cdx2	Caudal type homeobox transcription factor 2	Trophectoderm
Sox11	SRY-related box 11	Ectoderm
Sox1	SRY-related box 1	Ectoderm
Pax7	Paired box 7	Ectoderm
Pax6	Paired box 6	Ectoderm
Nestin	Nestin	Ectoderm
Fgf5	Fibroblast growth factor 5	Ectoderm
Tbx6	T box 6	Mesoderm
T	T Brachyury	Mesoderm
Mixl1	Mix1 homeobox-like 1	Mesoderm
Gsc	Goosecoid	Mesoderm
Sox4	SRY-related box 4	Mesoderm
Nkx2.5	NK2 transcription factor related, locus 5	Mesoderm
Sox17	SRY-related box 17	Endoderm
Jun	Jun	Endoderm
Gata6	GATA binding protein 6	Endoderm
Gata4	GATA binding protein 4	Endoderm
Foxa2	Forkhead box A2	Endoderm
Relb	V-rel reticuloendotheliosis viral oncogene homolog B	Epiblast
Nodal	Nodal	Epiblast
Msc	Musculin	Epiblast
Lefty2	Left- right determination factor 2	Epiblast
Eomes	Eomesodermin	Epiblast
Aff1	AF4/ FMR2 family, member 1	Epiblast
Gapdh	Glyceraldehyde-3-phosphate dehydrogenase	Housekeeping
Ahcy	S-adenosyl-L-homocysteine hydrolase	Housekeeping