




Sequence logo for the 1000bp upstream region of the HNF1A gene. The x-axis represents the distance from the transcription start site (TSS) in base pairs, ranging from -1000 to 0. The y-axis represents the information content in bits. The sequence is color-coded: A (green), C (blue), G (red), and T (orange). The logo shows a strong conservation of the sequence 'ATGAGG' around the TSS, which is the start codon for the HNF1A gene.

Acr00004	type	I-D	.....MKMKMFETLKNMINPVF.....ENSEIWEVDLIFS....EEIELTEDEYKDLTKNADPLQ.....ETINDTTGVNLYTD.....T	66
Acr00054	type	I-D	.....MNYKELKDMLSPIF.....ENSELWEIDLIFS....PELEITEEEFKELIQNAILLQ.....QVINN....KIYSD.....F	59
Acr00240	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYDS.....RIGLWL	76
Acr00237	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYDS.....RIGLWL	76
Acr00238	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYDS.....RIGLWL	76
Acr00242	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEIPAKP...IDGELGGIGEPLRLAYDS.....RIGLWL	76
Acr00236	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VNGELGGIGEPRRLAYDS.....RIGLWL	76
Acr00235	type	II-C	.....MSKNNIFKKYPT.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VNGELGGIGEPLRLAYDS.....RIGLWL	76
Acr00231	type	II-C	.....MSKNNIFNKYPT.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VNGELGGIGEPRRLAYDS.....RIGLWL	76
Acr00287	type	II-C	.....SMKNNIFNKYPT.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VNGELGGIGEPRRLAYDS.....RIGLWL	77
Acr00288	type	II-C	.....MASKNNIFNKYPT.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VNGELGGIGEPRRLAYDS.....RIGLWL	77
Acr00233	type	II-C	.....MSKNNIFNKYPT.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGGIPAKP...VNGELGGIGEPRRLAYDS.....RIGLWL	76
Acr00232	type	II-C	MAAFLKGFKMSKNNIFNKYPT.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGGIPAKP...VNGELGGIGEPRRLAYDS.....RIGLWL	85
Acr00234	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYDS.....RIGLWL	76
Acr00239	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTRYPRFLARKSFDDNFTGGIPAKP...IDGELGGIGEPRRLAYDS.....RIGLWL	76
Acr00241	type	II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVHVHTCYPRFLARKSFDDNFTGEIPAKP...IDGELGGIGEPLRLAYDS.....RIGLWL	76
Acr00255	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRSPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFENPKRMFYIT.....DIGLAL	88
Acr00257	type	II-C	MDEIDELSDLPTPRFIWGFAIDVTPSGEVSHDEFEYLTHTRSPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFENPKRMFYIT.....DIGLAL	88
Acr00258	type	II-C	MDEIDELSDLPTPRFIWGFAIDVTPSGEVSHDEFEYLTHTRAPRFACRVVELEDMPAEPEDDG...DIDGRIVHFENPKRMFYIT.....DIGLAL	88
Acr00250	type	II-C	MDEIDELSDLPTPRFIWGFAIAVSPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00251	type	II-C	MDEIDELSDLPTPRFIWGFAIAVSPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00249	type	II-C	MDEIDELSDLPTPRFIWGFAIAVSPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00243	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00244	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00245	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTQSGEVSHDEFEYLTHTRAPRFTCRVVELEDLPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00247	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDLPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00246	type	II-C	MDEIDELSDLPTPRFIWGFAITVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDLPAEPEDDG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00253	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRTPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00256	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRTPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00262	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRTPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00254	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRVPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00252	type	II-C	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDAPAEPEDDA...GIDGRIVHFDNPKRMFYIT.....DIGLAL	88
Acr00267	type	II-C	MDEIDDLSDLPMMPRFIWGFAIFTGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEENG...IDGRIVHYDEPGRLFYIT.....DAGLAL	87
Acr00248	type	II-C	MDEIDDLSDLPMMPRFIWGFAIFTGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHYDEPGRLFYIT.....DAGLAL	87
Acr00260	type	II-C	MDEIDDLSDLPMMPRFIWGFAIFTGKGGEVMHDEFEYLTHTRAPRFTCRVVELEDMPVDSEESG...IDGRIVHYDEPGRLFYIS...DAGIAL	87
Acr00261	type	II-C	MDEIDDLSDLPMMPRFIWGFAIFTGKGGEVMHDEFEYLTHTRAPRFTCRVVELEDMPVDSEETG...IDGRIVHYDEPGRLFYIS...DAGIAL	87
Acr00259	type	II-C	MDEIDDLSDLPMMPRFIWGFAIFTGKGGEVMHDEFEYLTHTRAPRFTCRVVELEDMPVDSEESG...IDGRIVHYDEPGRLFYIS...DAGIAL	87
Acr00273	type	II-C	MDEIDDLSDLPMMPRFIWGFAIATGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPTEDESDEG...IDGRIVHYDDPARLFYIT...DAGMAL	87
Acr00277	type	II-C	MDEIDDLSDLPMMPRFIWGFAIATGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPTESDSDS...IDGRIVHYDDPARLFYIT...DAGMAL	87
Acr00266	type	II-C	MDELDELDDLSDLPMMPRFIWGFVAVASKGGEVTHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRVHYDEPDRLFYIT...DAGMAL	90
Acr00268	type	II-C	.....MDEIDDLSDLPMMPRFIWGFVAIVANKGGEIMHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRVHYDEPDRLFYIT...DAGMAL	87
Acr00264	type	II-C	.....MDDMDEIDDLSDLPMMPRFIWGFVAITASKGGEVSHDEFEYLTHTHNPRFSCRVVELEDVPAESEESG...IDGRVHYDEPDRLFYIT...DAGMAL	90
Acr00269	type	II-C	.....MDDMDEIDDLSDLPMMPRFIWGFVAIVANKGGEVSHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHHDEPDRLFYIT...DAGMAL	90
Acr00265	type	II-C	.....MDDMDELDDLSDLPIPQFIWGFAIVANKGGEVSHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHHDEPDRLFYIT...DAGMAL	90
Acr00275	type	II-C	.....MDDMDEIDDLSDLPMMPRFIWGFVAIVANKGGEVSHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHHDDPDRLFYIT...DAGMAL	90
Acr00274	type	II-C	MDEIDDLSDLPMMPRFIWGFVAIVANKGGEVSHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHHDDPDRLFYIT...DAGMAL	87
Acr00279	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00282	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00280	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00278	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00281	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00283	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00276	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00271	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00270	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00272	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGKSGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDPRLFYIT...DAGMAL	87
Acr00284	type	II-C	MDEIEDLSLPMMPRFIWGFVAIVAGRSGEVLHDEFEYLTHTRSPRFTCRVVELEDVPTDNEEGG...IDGRIVHPDDPRRMFYIT...DAGMAL	87
Acr00285	type	II-C	MDEIEGLSDLPMMPRFIWGFVAIVAGRDGDVLHDEFEYLTHTRTPRFTCRVVELEDVPSDNEEGD...IDGRIVHPDDPRRMFYIT...DAGMAL	87

Acr00004	type	I-D	YEW	WEF	ENQ	.....	YLE	.....	LE	D	YYRQNDKIY	LELHFWRKVKK	.....	103			
Acr00054	type	I-D	YEW	WEF	ENQ	.....	YLK	.....	LQ	V	YYKDTEKIY	RELYFWREVKK	.....	96			
Acr00240	type	II-C	SD	FIM	L	DKN	.....	KPENMEEWLEQ	LK	AA	CDRIAADD	MLNE	DAADLGDFDD	..	123		
Acr00237	type	II-C	SD	FIM	L	DKN	.....	KPENMEEWLEQ	LK	AA	CDRIAADD	MLNE	DAADLGDLDD	..	123		
Acr00238	type	II-C	SD	FIM	L	DKN	.....	KPENMEEWLEQ	LK	AA	CDRIAADD	MLNE	DAADLGDLDD	..	123		
Acr00242	type	II-C	SD	FIM	L	DKN	.....	KPENMEEWLEQ	LK	AA	CDRIAADD	MLNE	DAADLGDFDD	..	123		
Acr00236	type	II-C	SD	FIM	L	DKN	.....	KPENMEEWLEQ	LK	VA	CDRIAADD	MLNE	DAADLEDLDD	..	123		
Acr00235	type	II-C	SD	FIM	L	DNN	.....	KPENMEEWLEQ	LK	AA	CDRIAADD	MLNE	DAADLEDLDD	..	123		
Acr00231	type	II-C	SD	FIM	L	DNN	.....	KPKNMEDWL	GQ	LK	AA	CDRIAADD	MLNE	DAADLEGWDD	..	123	
Acr00287	type	II-C	SD	FIM	L	DNN	.....	KPKNMEDWL	GQ	LK	AA	CDRIAADD	MLNE	DAADLEGWDD	..	124	
Acr00288	type	II-C	SD	FIM	L	DNN	.....	KPKNMEDWL	GQ	LK	AA	CDRIAADD	MLNE	DAADLEGWDD	..	124	
Acr00233	type	II-C	SD	FIM	L	DNN	.....	KPESMEDWL	GQ	LK	AA	CDRIAADD	MLNE	DAAALEGWDD	..	123	
Acr00232	type	II-C	SD	FIM	L	DNN	.....	KPESMEDWL	GQ	LK	AA	CDRIAADD	MLNE	DAAALEGWDD	..	132	
Acr00234	type	II-C	SD	FIM	L	DNN	.....	KPENMEDWL	GQ	LK	AA	CDRIAADD	MLNE	DAAALEGWDD	..	123	
Acr00239	type	II-C	SD	FIM	L	DKN	.....	KPENMEEWLEQ	LK	AA	CDRIAADD	MLNE	DAAALEGWDD	..	123		
Acr00241	type	II-C	SD	FIM	L	DKN	.....	KPENMEEWLEQ	LK	AA	CDRIAADD	MLNE	DAAALEGWDD	..	123		
Acr00255	type	II-C	MN	FTL	F	DKV	.....	DNK	.....	AK	LK	NA	CDEAIADWL	TRRD	FLDSE	.EDDEE.	129
Acr00257	type	II-C	MN	FTL	F	DKV	.....	DNK	.....	AK	LK	NA	CDEAIADWL	TRRD	FLDSE	.EDDEE.	129
Acr00258	type	II-C	MN	FTL	F	DKV	.....	DNK	.....	AK	LK	KA	CDEAIADWL	TRRD	FLDSE	.EDDEE.	129
Acr00250	type	II-C	MN	FTL	F	DRI	.....	DSK	.....	AK	LK	KA	CDAIADWL	TRREF	LDSE	PEDDEE	130
Acr00251	type	II-C	MN	FTL	F	DRI	.....	DSK	.....	TK	LK	NA	CDAIADWL	TRREF	LDSE	PEDDEE	130
Acr00249	type	II-C	MN	FTL	F	DRI	.....	DSK	.....	AK	LK	QA	CDAIADWL	TRREF	LDSE	PEDDEG	130
Acr00243	type	II-C	MN	FTL	F	DRV	.....	DSK	.....	AK	LK	KA	CDAIADWL	MRRD	FLDSE	PEDDEE	130
Acr00244	type	II-C	MN	FTL	F	DRV	.....	DSK	.....	AK	LK	KA	CDAIADWL	TRRD	FLDSE	PEDDEE	130
Acr00245	type	II-C	MN	FTL	F	DRV	.....	ESK	.....	AK	LK	KA	CDAIADWL	TRRD	FLDSE	PEDDEE	130
Acr00247	type	II-C	MN	FTL	F	DRV	.....	ESK	.....	AK	LK	KA	CDAIADWL	TRRD	FLDSE	PEDDEE	130
Acr00246	type	II-C	MN	FTL	F	DRV	.....	ESK	.....	AK	LK	KA	CDAIADWL	TRRD	FLDSE	PEDDEE	130
Acr00253	type	II-C	MN	FTL	F	DKV	.....	DNK	.....	SK	LK	DA	CDQAIADWL	TRREF	LDSE	PDDDED	130
Acr00256	type	II-C	MN	FTL	F	DKV	.....	DNK	.....	AK	LK	DA	CDQAIADWL	TRREF	LDSE	PDDDEDD	131
Acr00262	type	II-C	MN	FTL	F	DKV	.....	DNK	.....	SK	LK	NA	CDQAIADWL	TRRD	FLDSE	PDDDEDD	131
Acr00254	type	II-C	MN	FTL	F	DKV	.....	DNK	.....	TK	LK	NA	CDQAIADWL	TRREF	LDSE	PDDDEDD	131
Acr00252	type	II-C	MN	FTL	F	DKV	.....	DSK	.....	AK	LK	KA	CDEAIADWL	ARREF	LDSE	PDDDEE	130
Acr00267	type	II-C	VN	FEL	F	DSL	.....	PDK	.....	NK	LK	KV	CDEAITNWL	LRRD	FLESE	EDEED	128
Acr00248	type	II-C	VN	FEL	F	DNL	.....	PDK	.....	NK	LK	KV	CDEAIENWL	LRRD	FLDSE	EGEED	128
Acr00260	type	II-C	VN	FEL	F	DKV	.....	PEK	.....	QK	LK	KI	CDEAIENWL	LRRD	FLDSE	EGEED	128
Acr00261	type	II-C	VN	FEL	F	DKV	.....	PEK	.....	QK	LK	KI	CDEAIENWL	LRRD	FLDSE	EGEED	128
Acr00259	type	II-C	VN	FEL	F	DKV	.....	PEK	.....	QK	LK	KI	CDEAIENWL	LRRD	FLDSE	EGEEG	128
Acr00273	type	II-C	VN	FEL	F	DKL	.....	PDR	.....	QK	LK	KV	CDEAIRNWL	MRRD	FLDSE	DEDD	127
Acr00277	type	II-C	VN	FEL	F	DKL	.....	PDR	.....	QK	LK	KV	CDEAIRNWL	MRRD	FLDSE	DEDD	127
Acr00266	type	II-C	VN	FQL	F	DKL	.....	PDK	.....	AK	LK	KV	CDEAIANWL	LRREF	FLDSE	DEED	130
Acr00268	type	II-C	VN	FQL	F	DKL	.....	PDK	.....	AK	LK	KV	CDEAIANWL	LRREF	FLDSE	DEED	127
Acr00264	type	II-C	VN	FQM	F	DKL	.....	PEK	.....	SRL	LK	KV	CDEAIKNWL	LRREF	FLDSE	DEED	130
Acr00269	type	II-C	VN	FQL	F	DKL	.....	PDK	.....	GK	LK	KV	CDEAIANWL	LRREF	FLDSE	DEED	130
Acr00265	type	II-C	VN	FQL	F	DKL	.....	PDK	.....	GK	LK	KV	CDEAIANWL	LRREF	FLDSE	DEED	130
Acr00275	type	II-C	VN	FQL	F	DKL	.....	PDK	.....	GK	LK	NV	CDEAIANWL	LRREF	FLDSE	DEED	130
Acr00274	type	II-C	VN	FQL	F	DKL	.....	PDK	.....	GK	LK	NV	CDEAIANWL	LRREF	FLDSE	DEED	127
Acr00279	type	II-C	VN	FQL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00282	type	II-C	VN	FHL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00280	type	II-C	VN	FHL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00278	type	II-C	VN	FQL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00281	type	II-C	VN	FQL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	125
Acr00283	type	II-C	VN	FQL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	125
Acr00276	type	II-C	VN	FQL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00271	type	II-C	VN	FQL	F	DKM	PDK	QK	L	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00270	type	II-C	VN	FQL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00272	type	II-C	VN	FQL	F	DKM	.....	PDK	.....	QKF	K	R	CDEAIANWL	LRREF	FLDSE	DEED	126
Acr00284	type	II-C	VN	FAM	F	DKM	PER	QK	L	K	Q	CDAIANWL	LRREF	FLEEGE	GEDDEE	130
Acr00285	type	II-C	VN	FAM	F	DKM	PDR	QK	L	K	K	CDAIANWL	LRREF	FLEDEE	DEDD	130

 non conserved
 similar
 $\geq 50\%$ conserved