

Sequence logo for the 1000bp upstream region of the HNF1A gene. The logo shows the conservation of nucleotides across 1000 samples. 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 (yellow). The logo shows a high degree of conservation in the region from -1000 to -500 bp, with a peak of conservation around -750 bp. The region from -500 to 0 bp shows lower conservation, with a peak around -250 bp.

Acr00287	type II-CMSKNNIFNKYPT.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VNGELGGIGEPRRLAYDSRGLGLWS	78
Acr00231	type II-CMSKNNIFNKYPT.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VNGELGGIGEPRRLAYDSRGLGLWS	77
Acr00288	type II-CMASKNNIFNKYPT.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VNGELGGIGEPRRLAYDSRGLGLWS	78
Acr00233	type II-CMSKNNIFNKYPT.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GGIPAKP...	VNGELGGIGEPRRLAYDSRGLGLWS	77
Acr00232	type II-C	MAAFLKGFKMSKNNIFNKYPT.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GGIPAKP...	VNGELGGIGEPRRLAYDSRGLGLWS	86
Acr00234	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VDGELGGIGEPLRLAYDSRGLGLWS	77
Acr00239	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GGIPAKP...	IDGELGGIGEPRRLAYDSRGLGLWS	77
Acr00241	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTCYPRFLARKSFDDNFT	GEIPAKP...	IDGELGGIGEPLRLAYDSRGLGLWS	77
Acr00240	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VDGELGGIGEPLRLAYDSRGLGLWS	77
Acr00237	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VDGELGGIGEPLRLAYDSRGLGLWS	77
Acr00238	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VDGELGGIGEPLRLAYDSRGLGLWS	77
Acr00242	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEIPAKP...	IDGELGGIGEPLRLAYDSRGLGLWS	77
Acr00235	type II-CMSKNNIFKKYPT.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VNGELGGIGEPLRLAYDSRGLGLWS	77
Acr00236	type II-CMSKNNIFKKYPP.....	IIHGEARGENDE	FVVHTRYPRFLARKSFDDNFT	GEMPAKP...	VNGELGGIGEPRRLAYDSRGLGLWS	77
Acr00255	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRSPRFTCRVVELEDMP	AEPEDDG...	DIDGRIVHFENPKRMFYITDLGLALM	89
Acr00257	type II-C	.....MDEIDELSDLPTPRFIWGFAIDVTPS	GEVSHDEFEYLTHTRSPRFTCRVVELEDMP	AEPEDDG...	DIDGRIVHFENPKRMFYITDLGLALM	89
Acr00258	type II-C	.....MDEIDELSDLPTPRFIWGFAIDVTPS	GEVSHDEFEYLTHTRAPRFACRVVELEDMP	AEPEDDG...	DIDGRIVHFENPKRMFYITDLGLALM	89
Acr00243	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDMP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00244	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDMP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00245	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTQS	GEVSHDEFEYLTHTRAPRFTCRVVELEDLP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00247	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDLP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00246	type II-C	.....MDEIDELSDLPTPRFIWGFAITVTPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDLP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00251	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVSPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDMP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00250	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVSPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDMP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00249	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVSPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDMP	AEPEEDG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00253	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRTPRFTCRVVELEDAP	AEPEDEG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00256	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRTPRFTCRVVELEDAP	AEPEDEG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00262	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRTPRFTCRVVELEDAP	AEPEDEG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00254	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRVPRFTCRVVELEDAP	AEPEDEG...	DIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00252	type II-C	.....MDEIDELSDLPTPRFIWGFAIAVTPS	GEVSHDEFEYLTHTRAPRFTCRVVELEDAP	AEPEDDA...	GIDGRIVHFDNPKRMFYITDLGLALM	89
Acr00248	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEESG...	IDGRIVHYDEPGRIFYITDAGLALV	88
Acr00267	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEENG...	IDGRIVHYDEPGRIFYITDAGLALV	88
Acr00260	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKG	GEVMHDEFEYLTHTRAPRFTCRVVELEDMP	VDSEESG...	IDGRIVHYDEPGRIFYISDAGIALV	88
Acr00261	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKG	GEVMHDEFEYLTHTRAPRFTCRVVELEDMP	VDSEETG...	IDGRIVHYDEPGRIFYISDAGIALV	88
Acr00259	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKG	GEVMHDEFEYLTHTRAPRFTCRVVELEDMP	VDSEESG...	IDGRIVHYDEPGRIFYISDAGIALV	88
Acr00273	type II-C	.....MDEIDDLSDLPMPRFIWGFAIATGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	PTSEDSG...	IDGRIVHYDDPARIFYITDAGMALV	88
Acr00277	type II-C	.....MDEIDDLSDLPMPRFIWGFAIATGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	PTSEDDSD...	IDGRIVHYDDPARIFYITDAGMALV	88
Acr00280	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHDDDP SRMFYITDAGMALV	88
Acr00282	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHDDDP SRMFYITDAGMALV	88
Acr00279	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHDDDP SRMFYITDAGMALV	88
Acr00278	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHDDDP SRMFYITDAGMALV	88
Acr00281	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHEDDP SRMFYITDAGMALV	88
Acr00283	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHEDDP SRMFYITDAGMALV	88
Acr00276	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHEDDP SRMFYITDAGMALV	88
Acr00271	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHDDDP SRMFYITDAGMALV	88
Acr00270	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKS	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHDDDP SRMFYITDAGMALV	88
Acr00272	type II-C	.....MDEIEDLSDLPMPRFIWGFAVIAGKS	GEVMHDEFEYLTHTRSPRFTCRVVELEDMP	AESEEDA...	IDGRIVHDDDP SRMFYITDAGMALV	88
Acr00284	type II-C	.....MDEIEDLSDLPMPRFIWGFAVAAGRS	GEVLHDEFEYLTHTRSPRFTCRVVELEDVPTDNDEGG	...	IDGRIVHPDDPRRMFYITDAGMALV	88
Acr00285	type II-C	.....MDEIEGSDLMPMPRFIWGFAVAAGRD	GDVLHDEFEYLTHTRTPRFTCRVVELEDVPSDNEEGD	...	IDGRIVHPDDPRRMFYITDAGMALV	88
Acr00263	type II-C	.....MDEIEDLSDLPMPRFIWGFAVVAGKG	GEVMHDEFEYLTHTRSPRFTCRVVELEDVPA	DNDEGG...	IDGRIVHHDPEPRRLFYITDAGMALV	88
Acr00268	type II-C	.....MDEIDDLSDLPMPRFIWGFAVVANKG	GEIMHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEESG...	IDGRIVHYDEPDRRLFYITDAGMALV	88
Acr00266	type II-C	.....MDELDELDDLSDLPMPRFIWGFAVVASKG	GDVTHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEESG...	IDGRIVHYDEPDRRLFYITDAGMALV	91
Acr00264	type II-C	.....MDDMDEIDDLSDLPMPRFIWGFAITASKG	GEVSHDEFEYLTHTRNPRFSCRVVELEDVPA	ADSEESG...	IDGRIVHYDEPDRRLFYITDAGMALV	91
Acr00269	type II-C	.....MDDMDEIDDLSDLPMPRFIWGFAVIANKG	GDVMHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEDSG...	IDGRIVHHDPEPRRMFYITDAGMALV	91
Acr00265	type II-C	.....MDDMDELDDLSDLPMPRFIWGFAVIANKG	GDVMHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEDSG...	IDGRIVHHDPEPRRMFYITDAGMALV	91
Acr00275	type II-C	.....MDDMDEIDDLSDLPMPRFIWGFAVIANKG	GDVMHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEDSG...	IDGRIVHHDPEPRRMFYITDAGMALV	91
Acr00274	type II-C	.....MDEIDDLSDLPMPRFIWGFAVIANKG	GDVMHDEFEYLTHTRSPRFTCRVVELEDMP	ADSEDSG...	IDGRIVHHDPEPRRMFYITDAGMALV	88
Acr00286	type II-C	.....MDEIDDLSDLPMPRFIWGFAITTGKG	GEVMHDEFEYLTHTRQAPRFSRVVELEDMP	ADDEESDEVDV	DGRIVHFDDAARMFYITDAGMALV	91

logo



Acr00287	type II-C	DFIMLDNNKPKNMEDWL	GQLKAA	CDRIAADD	MLNEDAADLEGWDD..	124
Acr00231	type II-C	DFIMLDNNKPKNMEDWL	GQLKAA	CDRIAADD	MLNEDAADLEGWDD..	123
Acr00288	type II-C	DFIMLDNNKPKNMEDWL	GQLKAA	CDRIAADD	MLNEDAADLEGWDD..	124
Acr00233	type II-C	DFIMLDNNKPKSMEDWL	GQLKAA	CDRIAADD	MLNEDAAALEGWDD..	123
Acr00232	type II-C	DFIMLDNNKPKSMEDWL	GQLKAA	CDRIAADD	MLNEDAAALEGWDD..	132
Acr00234	type II-C	DFIMLDNNKPKENMEDWL	GQLKAA	CDRIAADD	MLNEDAAALEGWDD..	123
Acr00239	type II-C	DFIMLDKNKPKENMEEWLE	QLKAA	CDRIAADD	MLNEDAAALEGWDD..	123
Acr00241	type II-C	DFIMLDKNKPKENMEEWLE	QLKAA	CDRIAADD	MLNEDAAALEGWDD..	123
Acr00240	type II-C	DFIMLDKNKPKENMEEWLE	QLKAA	CDRIAADD	MLNEDAADLGDFDD..	123
Acr00237	type II-C	DFIMLDKNKPKENMEEWLE	QLKAA	CDRIAADD	MLNEDAADLGDLDD..	123
Acr00238	type II-C	DFIMLDKNKPKENMEEWLE	QLKAA	CDRIAADD	MLNEDAADLGDLDD..	123
Acr00242	type II-C	DFIMLDKNKPKENMEEWLE	QLKAA	CDRIAADD	MLNEDAADLGDFDD..	123
Acr00235	type II-C	DFIMLDNNKPKENMEEWLE	QLKAA	CDRIAADD	MLNEDAADLEDLDD..	123
Acr00236	type II-C	DFIMLDKNKPKENMEEWLE	QLKVA	CDRIAADD	MLNEDAADLEDLDD..	123
Acr00255	type II-C	NFTLFDKVDNK.....	AKLKNA	CDEAIA	DWLTRRDFLDSE.EDDEE.	129
Acr00257	type II-C	NFTLFDKVDNK.....	AKLKNA	CDEAIA	DWLTRRDFLDSE.EDDEE.	129
Acr00258	type II-C	NFTLFDKVDNK.....	AKLKKA	CDEAIA	DWLTRRDFLDSE.EDDEE.	129
Acr00243	type II-C	NFTLFDKVDNK.....	AKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00244	type II-C	NFTLFDKVDNK.....	AKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00245	type II-C	NFTLFDKVDNK.....	AKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00247	type II-C	NFTLFDKVDNK.....	AKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00246	type II-C	NFTLFDKVDNK.....	AKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00251	type II-C	NFTLFDKVDNK.....	TKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00250	type II-C	NFTLFDKVDNK.....	AKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00249	type II-C	NFTLFDKVDNK.....	AKLKKA	CDIA	DWLTRRDFLDSEPEDDEE.	130
Acr00253	type II-C	NFTLFDKVDNK.....	SKLKDA	CDIA	DWLTRRDFLDSEPDDEED.	130
Acr00256	type II-C	NFTLFDKVDNK.....	AKLKDA	CDIA	DWLTRRDFLDSEPDDEED.	131
Acr00262	type II-C	NFTLFDKVDNK.....	SKLKNA	CDIA	DWLTRRDFLDSEPDDEED.	131
Acr00254	type II-C	NFTLFDKVDNK.....	TKLKNA	CDIA	DWLTRRDFLDSEPDDEED.	131
Acr00252	type II-C	NFTLFDKVDNK.....	AKLKKA	CDEAIA	DWLARREFLDSEPDDEE.	130
Acr00248	type II-C	NFELFDKVDNK.....	NKLKVV	CDEAIA	ENWLLRRDFLDSEEGEED..	128
Acr00267	type II-C	NFELFDKVDNK.....	NKLKVV	CDEAIA	ENWLLRRDFLDSEEGEED..	128
Acr00260	type II-C	NFELFDKVDNK.....	QKLKVI	CDEAIA	ENWLLRRDFLDSEEGEED..	128
Acr00261	type II-C	NFELFDKVDNK.....	QKLKVI	CDEAIA	ENWLLRRDFLDSEEGEED..	128
Acr00259	type II-C	NFELFDKVDNK.....	QKLKVI	CDEAIA	ENWLLRRDFLDSEEGEED..	128
Acr00273	type II-C	NFELFDKVDNK.....	QKLKVV	CDEAIA	ENWLLRRDFLDSEDEED..	127
Acr00277	type II-C	NFELFDKVDNK.....	QKLKVV	CDEAIA	ENWLLRRDFLDSEDEED..	127
Acr00280	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00282	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00279	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00278	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00281	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	125
Acr00283	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	125
Acr00276	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00271	type II-C	NFELFDKVDNK.....	QKLKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00270	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00272	type II-C	NFELFDKVDNK.....	QKFKRI	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00284	type II-C	NFELFDKVDNK.....	QKLKQI	CDIA	ENWLLRRDFLEEGEGEDDEE	130
Acr00285	type II-C	NFELFDKVDNK.....	QKLKVI	CDIA	ENWLLRRDFLEDEEDDEE	130
Acr00263	type II-C	NFELFDKVDNK.....	AKLKVV	CDEAIA	ENWLLRRDFLDSEED..	126
Acr00268	type II-C	NFELFDKVDNK.....	AKLKVV	CDEAIA	ENWLLRRDFLDSEED..	127
Acr00266	type II-C	NFELFDKVDNK.....	AKLKVV	CDEAIA	ENWLLRRDFLDSEED..	130
Acr00264	type II-C	NFELFDKVDNK.....	SRLKVV	CDEAIA	ENWLLRRDFLDSEED..	130
Acr00269	type II-C	NFELFDKVDNK.....	GKLKVV	CDEAIA	ENWLLRRDFLDSEED..	130
Acr00265	type II-C	NFELFDKVDNK.....	GKLKVV	CDEAIA	ENWLLRRDFLDSEED..	130
Acr00275	type II-C	NFELFDKVDNK.....	GKLKVV	CDEAIA	ENWLLRRDFLDSEED..	130
Acr00274	type II-C	NFELFDKVDNK.....	GKLKVV	CDEAIA	ENWLLRRDFLDSEED..	127
Acr00286	type II-C	NFELFDKVDNK.....	GRLKVV	CDEAIA	ENWLLRRDFLDSEED..	131

 non conserved
 similar
 $\geq 50\%$ conserved