

3R Homeobox

[illegible]

3R Homeobox

Species	Sequence	Score
DmelD	MPKPEELP	8
DmelF	MPKPEELP	8
DmelG	MPKPDVFPSPEELP	13
DmelE	MPKPDVFPSPEELP	13
Dsim	MPKPEELP	8
Dsec	MPKPEELP	8
Dere	MPKPDVYTPEELP	13
Dyak	MPKPEELP	8
Dpse	MPKPEELP	8
Dper	MPKPEELP	8
Dgri	MPKPDDEL S	8
Dvir	EL S	3
Dmoj	MTKPDDEL S	8
Dwil	MPKPEELP	8
Dana	GMGMGVT MSE SNQYQCTMDTI MQAYNPHRNAAGNSQFAYCFNMYPALPEELP	200

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DmelD	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
DmelF	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
DmelG	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	63
DmelE	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	63
Dsim	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
Dsec	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
Dere	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	63
Dyak	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
Dpse	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
Dper	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALG -	56
Dgri	ESL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
Dvir	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	53
Dmoj	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
Dwil	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	58
Dana	DSL VMRRPRRTRTTFTSSQI AEL EQHFL QGRYLTAPRLADLSAKLALGTA	250

DmelD	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	103
DmelF	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	103
DmelG	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	108
DmelE	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	108
Dsim	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	103
Dsec	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	103
Dere	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	108
Dyak	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQSDG- - - - DPPSLQ	103
Dpse	QVKI WFKNRRRRRHKI QSDQHKDQSYDGMPLSPGLKTSEG- - - - DPPSLQ	103
Dper	- - - - - TGPDQSYDGMPLSPGLKTSEG- - - - DPPSLQ	83
Dgri	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSP SMPNAPAKTADADPPSLQ	108
Dvir	QVKI WFKNRRRRRHKI QSDQHKDQSYDGMPLSP SMPNAPMKTLEADPPSLQ	103
Dmoj	QVKI WFKNRRRRRHKI QSDQHKDQSYDGMPLSP SMPNVQKGA DPDPDP	108
Dwil	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMP MSPSLKPTDS- - - VH	105
Dana	QVKI WFKNRRRRRHKI QSDQHKDQSYEGMPLSPGMKQADG- - - - DPPSLQ	295

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DmelD	NRHMHMQYPSGGG-	-PGPGSTNVNGGQFFQQQQVHNHQQLHHQGNIHVPH	200
DmelF	NRHMHMQYPSGGG-	-PGPGSTNVNGGQFFQQQQVHNHQQLHHQGNIHVPH	200
DmelG	NRHMHMQYPSGGG-	-PGPGSTNVNGGQFFQQQQVHNHQQLHHQGNIHVPH	205
DmelE	NRHMHMQYPSGGG-	-PGPGSTNVNGGQFFQQQQVHNHQQLHHQGNIHVPH	205
Dsim	NRHMHMQYPSGGG-	-PGPGSTNANGGQFFQQQQVHHHQQLHHQSNIHVPH	200
Dsec	NRHMHMQYPSGGG-	-PGPGSTNANGNQFFQQQQVHHHQQLHHQSNIHVPH	200
Dere	NRHVMQYTSGGG-	-PGPGSTNANGGQFFQQQQVHHHHQQLHHQNNIHVPH	205
Dyak	NRHVMQYPSGGGP	T-PGPGSTNANGGQFFHQQQVHHHQQHLLHHQNNIHVPH	202
Dpse	QRHVGHVGQYAS	S-----ACR	168
Dper	QRHVGYVY	-----	140
Dgri	DYNFNGSYYMRTA	-----	171
Dvir	EYNFNGSYYMRTT	-----	166
Dmoj	EYNYNGSYYMRTT	-----	171
Dwil	QYNNSCRGSMVKDE	-----	160
Dana	QASGRHRHMAQY	-----	356

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DmelD	QMQQQQQQ- AQQQQYHHFDFQKKQASACRVLVKDEPEADYNFNS	SYYMRS	249
DmelF	QMQQQQQQ- AQQQQYHHFDFQKKQASACRVLVKDEPEADYNFNS	SYYMRS	249
DmelG	QMQQQQQQ- AQQQQYHHFDFQKKQASACRVLVKDEPEADYNFNS	SYYMRS	254
DmelE	QMQQQQQQ- AQQQQYHHFDFQKKQASACRVLVKDEPEADYNFNS	SYYMRS	254
Dsim	QMQQQQQQ- AQQQQYHHFDFQKKQASACRVLFKDEPEADYNFNS	SYYMRS	249
Dsec	QMQQQQQQQAQQQQYHHFDFQKKQASACRVLVKDEPEADYNFNS	SYYMRS	250
Dere	QMQQQQQQQAQQQQYHHFDFQKKQASACRVLVKDEPEADYNFNS	SYYMRS	255
Dyak	QMQQQQQT- - QQQQYHHFDFQKKQASACRVLVKDEPEADYNFNS	SYYMRS	250
Dpse	VVKDEPEADYNFNNSSYYMRSALSGVGVA AAAAAATAAPGTASSA	VAAAV	218
Dper	- - - - -	- - - - -	140
Dgri	- - - - - ALPLSGVAA SG- - - - - MPAVEAVTSALSPG	SEVYEP	202
Dvir	- - - - - ALALSGVAA SS- - - - - MSGVEAVTSALSPG	SEVYEP	197
Dmoj	- - - - - QT SALAMSGSSSGSGSGSM PAVESGVT SAMSPG	SEVYEP	213
Dwil	- - - - - PDPDYNFNSSSYMRSTTTTTLQLSSGVT SALSPG	SEVYEP	202
Dana	- - - - -	- - - - -	356

DmelD	GMSGATA S A S AVARGAA SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	299
DmelF	GMSGATA S A S AVARGAA SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	299
DmelG	GMSGATA S A S AVARGAA SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	304
DmelE	GMSGATA S A S AVARGAA SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	304
Dsim	AMSGATA S A S AVARGAA SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	299
Dsec	AMSGATA S A S AVARGAA SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	300
Dere	AMSGATA S A S AVARGAS SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	305
Dyak	AMSGATA S A S AVARGAS SP G SEVYEPLTPKNDES PSLCGI	GI GGPCAI AV	300
Dpse	SAAGEVV T S AL SP G SEVYEPLTPKNDES PSLCGI	GGPCAT AVGDT DI ADD	268
Dper	- - - - -	- - - - -	140
Dgri	LTPKNDES SP S LCGGGGPAGG G- VGVGGPCATAVG- - DAD V TDDMDNGSNK		249
Dvir	LTPKNDES SP S LCGGGGPAGG G VGVGGPCATAVG- - AAD V TDDMDNGSNK		245
Dmoj	LTPKNDES S H S LCG- - VGPA GGGVSVGGP SAI PVG- - AAD V NDDMDNGPNK		259
Dwil	LTPKNDES SP S LCGI GVGS I GGI GGPSATAVVVSGDNVAD V NDTI DNGS- T		251
Dana	- - - - -	- - - - -	356

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DmelID	GNRGAAFAKFGKPSPPQGPQ	PP	L	GMGGVA	MGE	SNQYQCTMDTI	MQAYNPH	399	
DmelF	GNRGAAFAKFGKPSPPQGPQ	PP	L	GMGGVA	MGE	SNQYQCTMDTI	MQAYNPH	399	
DmelG	GNRGAAFAKFGKPSPPQGPQ	PP	L	GMGGVA	MGE	SNQYQCTMDTI	MQAYNPH	404	
DmelE	GNRGAAFAKFGKPSPPQGPQ	PP	L	GMGGVA	MGE	SNQYQCTMDTI	MQAYNPH	404	
Dsim	GNRGAAFAKFGKPSPPQGPQ	PP	L	GMGGVS	MGE	SNQYQCTMDTI	MQAYNPH	399	
Dsec	GNRGAAFAKFGKPSPPQGPQ	PP	L	GMGGVS	MGE	SNQYQCTMDTI	MQAYNPH	400	
Dere	GNRGAAFAKFGKPSPPQGPQ	L	PP	L	GMGGVA	MAE	SNQYQCTMDTI	MQAYNPH	405
Dyak	GNRGATFAKFGKPSPPQGPQ	PP	L	GMGGVA	MAE	SNQYQCTMDTI	MQAYNPH	400	
Dpse	G- - - AFAKFGKPSAGQAQP	PP	PP	L	G- - M	MHD	TNQYQCTMDTI	MQAYNPH	362
Dper	G- - - AFAKFGKPSAGQAQP	PP	PP	L	G- - M	MHD	TNQYQCTMDTI	MQAYNPH	222
Dgri	SGSSSTFGKFGKLTVPSTQPP	H	P	GGSGEAM	MQE	SNQYQCTMDTI	MQAYNPH	349	
Dvir	SSSSAFGKFGKLSVPSTQTP	PP	P	GGSGLEAM	MHE	TNQYQCTMDTI	MQAYNPH	343	
Dmoj	GSSAFGKFGKLTAPLATQTP	PP	P	NAALEAM	MHE	A	TNQYQCTMDTI	MQAYNPH	357
Dwil	- - - - - - - - - - - - - -	-	-	-	-	-	-	288	
Dana	- - - - - - - - - - - - - -	-	-	-	-	-	-	356	

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RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	A	G	N	S	Q	F	A	Y	C	F	N
RNA	G	G	N	T	Q	F	A	Y	C	F	N
RNA	G	G	N	T	Q	F	A	Y	C	F	NASACRVVKDEPEADYNFNNSYYMR
RNA	G	G	N	T	Q	F	A	Y	C	F	N
RNA	G	G	N	T	Q	F	A	Y	C	F	N
RNA	G	G	N	T	Q	F	A	Y	C	F	N