

TF1: Zn2/Cys6 (Pfam: Zn_clus)

		C	Cr	kK	C	P	C	C	C																																																	
FOIG_16630T0	175	L	A	C	A	C	R	R	K	K	V	R	C	S	G	E	K	P	A	C	H	C	L	H	S	H	T	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	C	M	E	E	R	I
FOWG_17325T0	175	L	A	C	A	C	R	R	K	K	V	R	C	S	G	E	K	P	A	C	H	C	L	H	S	H	T	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	Y	M	V	M	L	D	K	R	P	K	C	M	E	E	R	I
FOXG_14257T0	135	L	A	C	A	C	R	R	K	K	V	R	C	S	G	E	K	P	A	C	H	C	L	H	S	H	T	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	Y	M	V	M	L	D	K	R	P	K	C	M	E	E	R	I
FOXG_12539T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V
FOXG_17084T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V
FOXG_12589T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V
FOXG_14000T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V
FOWG_17908T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V
FOWG_17814T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	C	M	E	E	R	V
FOXG_17123T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	C	M	E	E	R	V
FOMG_18999T0	135	L	A	C	A	C	R	R	K	K	T	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOMG_18692T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	H	S	H	T	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	H	M	T	M	L	D	K	R	P	K	R	M	E	E	R	I
FOTG_17956T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	H	S	H	T	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	Y	M	T	M	L	D	K	R	P	K	R	M	E	E	R	I
FOWG_17740T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V	
FOXG_16414T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V	
FOXG_17458T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	A	
FOWG_18009T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	A	
FOTG_18080T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	-	
FOQG_19052T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	H	S	H	T	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	N	H	M	T	M	P	N	K	L	P	K	R	M	E	E	R	I
FOIG_16484T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V
FOMG_18985T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	A
FOTG_17879T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	C	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOIG_16560T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	V
FOZG_18011T0	135	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	H	S	H	T	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	G	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOQG_15325T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	G	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I	
FOTG_16755T0	176	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	G	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOXG_14422T0	176	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	G	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOXG_15059T0	176	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	G	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
Necha2_47027	174	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FGSG_05503T0	175	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOTG_03936T0	179	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FVEG_07022T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOPG_02091T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOVG_10613T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOWG_05099T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOZG_12687T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOCG_10914T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOMG_08221T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R	T	D	Y	M	A	M	L	D	K	R	P	K	R	M	E	E	R	I
FOXG_09390T0	177	L	A	C	A	C	R	R	K	K	S	R	C	S	G	E	K	P	A	C	H	C	L	R	S	Y	I	P	C	V	Y	K	V	T	R	K	A	A	P	R																		

TF2: Forkhead domain (Pfam: Forkhead)

PK Y LI AI P T

FOXG_17260T0 123 NMKFW-QEFPPTGEPPEYQANSRVKSEPLELKS-TAVLPAKAKPEYAKLYRALMSAPDQAMT
 FOWG_16911T0 123 NMKFW-QEFPPTGEPPEYQANSRVKSEPLELKS-TAVLPAKAKPEYAKLYRALMSAPDQAMT
Necha2_75425 239 YMTTQKEEHPAVBPENRASPQKQPEPSESQSSSAVGGAKPEPYAQLLYRALMGAPGHAMT
FVEG_00384T0 233 LMKAR-HKSPAGVPEYRASSEVVQEGKDLQATAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOPG_04623T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOXB_06599T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOTG_04534T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOQG_03457T0 234 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOVG_00276T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOIG_13226T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOYG_06154T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOCG_14298T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOZG_01910T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOWG_10385T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
FOXG_01132T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT
 FOMG_01923T0 233 LMKAR-HKSPAGVPEYRANSEVVQEGKDLQAAAAGGAKTDEPYAKLLYRALMSVPHAMT

L WONSIRHNLS N F K

FOXG_17260T0 181 LHEIYQWFRNTDKHIKKDSRRPRPGKNDNGWQNSIRHNLSMNAFVKREYKQLSDPASN
 FOWG_16911T0 181 LHEIYQWFRNTDKHIKKDSRRPRPGKNDNGWQNSIRHNLSMNAFVKREYKQLSDPASN
Necha2_75425 299 LQEIYQWFRNTDKHSKNNENLCKKSGKNAEGWQNSIRHNLSMNAFTKDPKKEPGSGPS
FVEG_00384T0 292 LQEIYQWFRNTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOPG_04623T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOXB_06599T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOTG_04534T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOQG_03457T0 293 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOVG_00276T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOIG_13226T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOYG_06154T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOCG_14298T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOZG_01910T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOWG_10385T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
FOXG_01132T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR
 FOMG_01923T0 292 LQEIYQWFRENTDKDIKKDKSEKRPKNAEGWQNSIRHNLSMNAFVKREHKLSDSASR

FOXG_17260T0 241 GG--DHGSTKDDSSKKPTKWTLESWAVQDGVKSTREYRHNKYGVLR-----
 FOWG_16911T0 241 GG--DHGSTKDDSSKKPTKWTLESWAVQDGVKSTREYRHNKYGVLR-----
Necha2_75425 359 MT---ESTAGGLEKSTEWRLVDWARLDGVQSTTYRPGNSARRALGKVKQHHPYNHHG
FVEG_00384T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDY--
 FOPG_04623T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOXB_06599T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOTG_04534T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOQG_03457T0 353 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOVG_00276T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOIG_13226T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOYG_06154T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOCG_14298T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOZG_01910T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOWG_10385T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
FOXG_01132T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--
 FOMG_01923T0 352 ATEQSGSTKTGEAKKATEWVLEDWAVLNGVESTTKYRGKNTSRRGMGRKYHHHPYDD--

TF3: Cys2His2 domain (Pfam: zf-C2H2)

C C F L H H

FOXG_17266T0 181 YKCEWPGCEKTFQKKS LRVHAKTRCFQFPIFVPSDTISGLGVEGWHD SATGRDEVPSPA
 FOWG_16923T0 95 YKCEWPGCEKTFQKKS LRVHAKTRCFQFPIFVPSDTISGLGVEGWHD SATGRDEVPSPA
 FOXB_02292T0 181 YKCRWPDCEKTFQKKS LRVHAKTRCFQFPIFVPSDTISGLGAEVWHD SATGRDGVPSPA

C C F L H H

FOXG_17266T0 481 CPLEAKKEAQYKTHLRHTGERPFKCRREGCGKSFARPD SLKRHKKTCRHRKQEVLSLPQ
 FOWG_16923T0 395 CPLEAKKEAQYKTHLRHTGERPFKCRREGCGKSFARPD SLKRHKKTCRHRKQEVLSLPQ
 FOXB_02292T0 481 CSLEAK-----TFARQDSLKRHEKTCRHR-----

TF7: Cys2His2 domain (Pfam: zf-C2H2)

			C	C	F	L	H	H			
FOQG_18533T0	266	GI	-----A--	GSYTCTVHG	CNAAPFQ	TYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG		
FOXG_19464T0	266	GI	-----A--	GSYTCTVHG	CNAAPFQ	TYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG		
FOXG_22293T0	266	GI	-----A--	GSYTCTVHG	CNAAPFQ	TYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG		
FOXG_22413T0	266	GI	-----A--	GSYTCTVHG	CNAAPFQ	TYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG		
FOXB_08620T0	266	GI	-----A--	GSYTCTVHG	CNAAPFQ	TYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG		
FOPG_18275T0	266	GI	-----A--	GSYTCTVHG	CNAAPFQ	TYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG		
FOXG_14275T0	287	GM	THPQP	IT	--GLYTCTV	QGCHVEPF	QTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOWG_17588T1	287	GM	THPQP	IA	--GLYTCTF	QGCRRVDP	FQTKYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOXG_21311T0	287	GM	THPQP	IA	--GLYTCTF	QGCRRVDP	FQTKYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOXG_22662T0	287	GM	THPQP	IA	--GLYTCTF	QGCRRVDP	FQTKYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOXG_21046T0	287	GM	THPQP	IA	--GLYTCTF	QGCRRVDP	FQTKYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOXG_21006T0	287	GM	THPQP	IA	--GLYTCTF	QGCRRVDP	FQTKYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOMG_18197T0	287	GM	THPQP	IT	--GLYTCTV	QGCHVEPF	QTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOVG_18828T0	287	GM	THPQP	IT	--GLYTCTV	QGCHVEPF	QTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOQG_16628T0	287	GM	THPQA	IT	----ICQLNQ	S-ITPLK	SIKSSNS	SF---Q	SNQITHC	-----	
FOQG_19377T0	346	GITH	PQP	IP	--GSYTCTA	NGCNAAP	FRTOYLLNSHM	DVHSSIR	PHYCPVKE	CPRSGGGKG	
FOTG_18879T0	346	GITH	PQP	IL	--GSYTCTA	NGCNAAP	FRTOYLLNSHM	NVHSSIR	PHYCPVKE	CPRSEGGKG	
FOXB_03115T0	346	GITH	PQP	IL	--GSYTCTA	NGCNAAP	FRTOYLLNSHM	NVHSSIR	PHYCPVKE	CPRSEGGKG	
FOQG_19073T0	346	GITH	PQP	IP	--GSYTCTA	NGCNAAP	FRTOYLLNSHM	NVHSSIR	PHYCPVKE	CPRSEGGKG	
Necha2_47170	340	GITH	PQP	AT	GTGAV	VCNFAGC	TALPF	QTYLLNSH	ANVHSSIR	PHYCPVKGC	PRSEGGKG
FGSG_05381T0	228	GITH	PQH	MT	--GSYTCTV	PGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FVEG_07153T0	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOXG_20064T0	262	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOIG_07901T1	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOQG_03601T0	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOWG_04951T1	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOZG_12836T0	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOTG_03788T1	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOVG_10762T1	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOPG_01942T1	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOXB_19015T1	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOCG_11063T0	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOYG_11053T0	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	
FOMG_08371T0	357	GITH	PQP	LS	--GSYTCTV	TGCNAAP	FQTYLLNSHM	NVHSSIR	PHYCPVKGC	PRSEGGKG	