

gi	4502611	ref	NP_003905.1	ME	T	G	F	P	A	I	M	P	G	S	F	I	G	G	W	G	E	E	Y	L	S	W	E	G	P	L	D	F	V	F	Q	O	O	P	V	E	S	E	A	M	H	C	S	N	P	K	S	G	V	L	A	T	V	A	R	G	P	D	A	C	O	I	L	T	R	A	P	L	G	O	D	P	P	O	R	T	V	L	G	L	T	A	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	Y	S	G	S	E	N	A	F	P	P	A	G	K	K	A	L	P	D	C	---	G	V	Q	E	P	P	K	Q	G	F	D	I	Y	M	D	E	L	E	O	G	145
gi	114649348	ref	XP_522658.2	ME	T	G	F	P	A	I	M	P	G	S	F	I	G	G	W	G	E	E	Y	L	S	W	E	G	P	L	D	F	V	F	Q	O	O	P	V	E	S	E	A	M	H	C	S	N	P	K	S	G	V	L	A	T	V	A	R	G	P	D	A	C	O	I	L	T	R	A	P	L	G	O	D	P	P	O	R	T	V	L	G	L	T	A	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	Y	S	G	S	E	N	A	F	P	P	A	G	K	K	A	L	P	D	C	---	G	V	Q	E	P	P	K	Q	G	F	D	I	Y	M	D	E	L	E	O	G	145
gi	73993336	ref	XP_534494.2	---	M	A	R	R	P	R	G	A	P	A	R	C	G	W	H	G	S	G	P	A	R	P	G	R	A	---	D	W	R	L	H	S	V	A	L	E	G	M	H	R	S	S	S	K	S	G	V	L	A	P	V	S	R	G	P	D	A	C	O	M	I	T	R	A	Q	L	G	O	D	P	P	O	R	T	V	L	G	V	L	T	E	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	F	S	G	S	E	N	V	V	P	P	A	G	K	K	V	F	D	C	---	R	V	Q	V	P	A	K	Q	G	F	D	I	Y	M	D	E	A	E	O	G	138		
gi	119904577	ref	XP_600212.3	---	M	A	R	R	P	R	G	A	P	A	R	C	G	W	H	G	S	G	P	A	R	P	G	R	A	---	D	W	R	L	H	S	V	A	L	E	G	M	H	R	S	S	K	S	G	V	L	A	P	V	S	R	G	P	D	A	C	O	M	I	T	R	A	Q	L	G	O	D	P	P	O	R	T	V	L	G	V	L	T	E	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	F	S	G	S	E	N	V	V	P	P	A	G	K	K	V	F	D	C	---	R	V	Q	V	P	A	K	Q	G	F	D	I	Y	M	D	E	A	E	O	G	101			
gi	6680864	ref	NP_031654.1	---	M	A	R	R	P	R	G	A	P	A	R	C	G	W	H	G	S	G	P	A	R	P	G	R	A	---	D	W	R	L	H	S	V	A	L	E	G	M	H	R	S	S	K	S	G	V	L	A	P	V	S	R	G	P	D	A	C	O	M	I	T	R	A	Q	L	G	O	D	P	P	O	R	T	V	L	G	V	L	T	E	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	F	S	G	S	E	N	V	V	P	P	A	G	K	K	V	F	D	C	---	R	V	Q	V	P	A	K	Q	G	F	D	I	Y	M	D	E	A	E	O	G	101			
gi	58865468	ref	NP_001011949.1	---	M	A	R	R	P	R	G	A	P	A	R	C	G	W	H	G	S	G	P	A	R	P	G	R	A	---	D	W	R	L	H	S	V	A	L	E	G	M	H	R	S	S	K	S	G	V	L	A	P	V	S	R	G	P	D	A	C	O	M	I	T	R	A	Q	L	G	O	D	P	P	O	R	T	V	L	G	V	L	T	E	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	F	S	G	S	E	N	V	V	P	P	A	G	K	K	V	F	D	C	---	R	V	Q	V	P	A	K	Q	G	F	D	I	Y	M	D	E	A	E	O	G	101			
gi	50730955	ref	XP_417097.1	---	M	A	R	R	P	R	G	A	P	A	R	C	G	W	H	G	S	G	P	A	R	P	G	R	A	---	D	W	R	L	H	S	V	A	L	E	G	M	H	R	S	S	K	S	G	V	L	A	P	V	S	R	G	P	D	A	C	O	M	I	T	R	A	Q	L	G	O	D	P	P	O	R	T	V	L	G	V	L	T	E	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	F	S	G	S	E	N	V	V	P	P	A	G	K	K	V	F	D	C	---	R	V	Q	V	P	A	K	Q	G	F	D	I	Y	M	D	E	A	E	O	G	87			
gi	47086401	ref	NP_997983.1	---	M	A	R	R	P	R	G	A	P	A	R	C	G	W	H	G	S	G	P	A	R	P	G	R	A	---	D	W	R	L	H	S	V	A	L	E	G	M	H	R	S	S	K	S	G	V	L	A	P	V	S	R	G	P	D	A	C	O	M	I	T	R	A	Q	L	G	O	D	P	P	O	R	T	V	L	G	V	L	T	E	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	F	S	G	S	E	N	V	V	P	P	A	G	K	K	V	F	D	C	---	R	V	Q	V	P	A	K	Q	G	F	D	I	Y	M	D	E	A	E	O	G	79			
gi	22330698	ref	NP_177863.2	---	M	A	R	R	P	R	G	A	P	A	R	C	G	W	H	G	S	G	P	A	R	P	G	R	A	---	D	W	R	L	H	S	V	A	L	E	G	M	H	R	S	S	K	S	G	V	L	A	P	V	S	R	G	P	D	A	C	O	M	I	T	R	A	Q	L	G	O	D	P	P	O	R	T	V	L	G	V	L	T	E	N	G	O	Y	R	R	T	C	G	O	G	I	T	R	I	R	C	F	S	G	S	E	N	V	V	P	P	A	G	K	K	V	F	D	C	---	R	V	Q	V	P	A	K	Q	G	F	D	I	Y	M	D	E	A	E	O	G	102			



gi	4502611	ref	NP_003905.1	DR	D	S	C	S	V	R	E	G	M	A	F	E	D	V	E	V	D	T	G	L	K	S	D	L	H	F	L	L	D	F	N	T	V	S	P	M	L	V	D	S	S	L	S	Q	S	E	D	I	S	S	L	G	T	D	V	I	N	---	V	T	E	Y	A	E	I	Y	O	Y	L	R	E	A	E	I	R	H	R	P	K	A	H	Y	M	K	---	O	P	D	I	T	E	G	M	R	T	I	L	V	D	W	L	V	E	V	G	E	E	Y	K	L	R	A	E	T	L	Y	L	A	V	N	F	L	D	R	F	L	S	C	M	S	V	L	R	283
gi	114649348	ref	XP_522658.2	DR	D	S	C	S	V	R	E	G	M	A	F	E	D	V	E	V	D	T	G	L	K	S	D	L	H	F	L	L	D	F	N	T	V	S	P	M	L	V	D	S	S	L	S	Q	S	E	D	I	S	S	L	G	T	D	V	I	N	---	V	T	E	Y	A	E	I	Y	O	Y	L	R	E	A	E	I	R	H	R	P	K	A	H	Y	M	K	---	O	P	D	I	T	E	G	M	R	T	I	L	V	D	W	L	V	E	V	G	E	E	Y	K	L	R	A	E	T	L	Y	L	A	V	N	F	L	D	R	F	L	S	C	M	S	V	L	R	283
gi	73993336	ref	XP_534494.2	DR	D	S	C	S	V	R	E	G	M	A	F	E	D	V	E	V	D	T	G	L	K	S	D	L	H	F	L	L	D	F	N	T	V	S	P	M	L	V	D	S	S	L	S	Q	S	E	D	I	S	S	L	G	T	D	V	I	N	---	V	T	E	Y	A	E	I	Y	O	Y	L	R	E	A	E	I	R	H	R	P	K	A	H	Y	M	K	---	O	P	D	I	T	E	G	M	R	T	I	L	V	D	W	L	V	E	V	G	E	E	Y	K	L	R	A	E	T	L	Y	L	A	V	N	F	L	D	R	F	L	S	C	M	S	V	L	R	276
gi	119904577	ref	XP_600212.3	DR	D	S	C	S	V	R	E	G	M	A	F	E	D	V	E	V	D	T	G	L	K	S	D	L	H	F	L	L	D	F	N	T	V	S	P	M	L	V	D	S	S	L	S	Q	S	E	D	I	S	S	L	G	T	D	V	I	N	---	V	T	E	Y	A	E	I	Y	O	Y	L	R	E	A	E	I	R	H	R	P	K	A	H	Y	M	K	---	O	P	D	I	T	E	G	M	R	T	I	L	V	D	W	L	V	E	V	G	E	E	Y	K	L	R	A	E	T	L	Y	L	A	V	N	F	L	D	R	F	L	S	C	M	S	V	L	R	239
gi	6680864	ref	NP_031654.1	DR	D	S	C	S	V	R	E	G	M	A	F	E	D	V	E	V	D	T	G	L	K	S	D	L	H	F	L	L	D	F	N	T	V	S	P	M	L	V	D	S	S	L	S	Q	S	E	D	I	S	S	L	G	T	D	V	I	N	---	V	T	E	Y	A	E	I	Y	O	Y	L	R	E	A	E	I	R	H	R	P	K	A	H	Y	M	K	---	O	P	D	I	T	E	G	M	R	T	I	L	V	D	W	L	V	E	V	G	E	E	Y																										