

gi	55770900	ref	NP_060791.3	HRR-VIR	SITA	AKY	REK	QV	KDV	QK	L	R	K	K	E	---	P	K	T	L	L	P	H	D	P	A	D	V	F	V	T	P	A	E	-	K	P	I	E	I	Q	W	V	K	P	E	P	-----	K	V	D	L	K	A	R	K	R	I	Y	K	R	Q	R	K	-	M	K	Q	R	M	D	S	G	K	T	K	-----	353																																																									
gi	77736005	ref	NP_001029701.1	HRR-VIR	SITA	AKY	REK	QV	KDV	QK	L	R	K	K	E	---	P	K	T	L	L	P	H	D	P	A	D	V	F	V	T	P	A	E	-	K	P	V	E	I	Q	W	V	K	P	E	P	-----	K	V	D	L	K	A	R	K	R	I	Y	K	R	Q	R	K	-	M	K	Q	M	S	S	G	N	A	K	-----	353																																																										
gi	141802630	ref	NP_080672.3	HRR-VIR	SITA	AKY	REK	QV	KDV	QK	L	R	K	K	E	---	P	K	T	L	L	P	H	D	P	A	D	V	F	V	T	P	A	E	-	K	P	V	E	I	Q	W	V	K	P	E	P	-----	K	V	D	L	K	A	R	K	R	I	Y	K	R	Q	R	K	-	L	Q	O	K	M	S	R	G	S	A	K	-----	353																																																									
gi	71361619	ref	NP_001025086.1	HRR-VVR	SITA	AKY	REK	QV	KDV	QK	S	R	K	K	E	---	P	K	T	L	L	P	H	D	P	A	D	V	F	V	T	P	A	E	-	K	P	I	E	V	Q	W	V	K	P	E	P	-----	K	V	D	L	K	A	R	K	R	I	Y	K	R	H	R	K	-	L	Q	O	K	M	S	R	G	G	A	K	-----	352																																																									
gi	114600702	ref	XP_517812.2	HRR-VIR	SITA	AKY	REK	QV	KDV	QK	L	R	K	K	E	---	P	K	T	L	L	P	H	D	P	A	D	V	F	V	T	P	A	E	-	K	P	I	E	I	Q	W	V	K	P	E	P	-----	K	V	D	L	K	A	R	K	R	I	Y	K	R	Q	R	K	-	M	K	Q	R	M	D	S	G	K	T	K	-----	327																																																									
gi	71895385	ref	NP_001026620.1	HRR-LIR	L	S	M	A	A	K	F	R	E	K	H	Q	V	K	E	V	Q	L	K	K	K	E	---	S	K	M	L	I	E	E	D	P	E	V	F	E	T	P	A	E	-	K	P	V	E	I	Q	L	V	K	P	E	S	-----	K	A	I	V	K	D	-	K	R	K	P	R	K	I	O	R	K	-	K	O	K	L	F	R	T	E	G	-----	349																																																
gi	189533679	ref	XP_001921138.1	F	S	Q	E	L	Y	A	V	M	M	T	G	S	L	W	L	E	R	C	A	A	V	L	P	S	A	D	H	---	T	V	N	P	A	A	L	P	P	A	V	L	L	Y	V	L	S	R	Y	H	P	V	K	L	F	L	W	R	L	A	T	-----	N	I	R	A	D	P	P	Y	T	Q	P	R	L	L	H	Q	A	P	L	A	L	H	C	S	V	L	W	F	R	Y	V	Q	X	-----	375																																				
gi	85725104	ref	NP_001033989.1	Q	R	Q	-	V	L	K	K	A	A	K	D	K	V	N	R	V	Q	V	K	V	H	E	A	T	R	P	I	R	A	Y	D	G	M	D	N	E	L	F	E	D	D	D	P	V	E	A	K	I	L	A	A	A	K	K	K	E	E	A	A	Q	T	-----	K	S	A	L	K	K	I	K	E	-	K	O	L	A	-	V	K	D	V	I	E	R	K	K	A	R	I	K	R	V	K	K	V	-----	356																																		
gi	158294060	ref	XP_315375.4	H	R	Q	-	M	L	R	K	A	A	E	K	V	L	Q	R	T	K	K	V	D	Q	V	N	A	P	K	N	T	H	K	L	I	P	H	G	D	I	F	R	D	D	V	D	K	R	A	K	V	L	L	K	D	E	O	K	E	L	Q	E	R	E	K	I	E	K	R	O	K	I	M	A	E	R	D	A	M	R	K	L	K	L	A	T	A	K	S	A	S	S	K	L	P	R	K	E	L	A	R	-	K	R	E	G	D	D	R	G	A	K	K	T	F	N	G	V	K	K	G	A	G	A	K	G	K	M	A	N	V	K	-----	416
gi	17554174	ref	NP_498756.1	I	R	-	E	H	R	K	Q	H	S	Y	I	E	K	L	A	V	K	A	S	N	I	Q	A	K	---	V	T	E	I	L	A	E	K	T	V	D	L	V	G	K	E	F	D	T	Q	N	N	A	A	A	D	S	-----	E	A	A	A	I	T	A	G	I	E	K	R	R	V	R	K	K	S	A	S	K	Y	T	G	S	D	-----	352																																																		
gi	6324496	ref	NP_014565.1	V	R	A	-	Q	I	K	Q	A	A	E	E	E	A	K	S	R	A	E	A	A	V	E	R	K	---	R	R	E	N	V	L	A	A	D	P	L	S	N	D	A	L	F	K	-----	R	R	E	N	V	L	A	A	D	P	L	S	N	D	A	L	F	K	-----	291																																																																			
gi	50309489	ref	XP_454753.1	V	R	A	-	Q	I	K	Q	A	A	E	E	A	K	S	R	A	E	A	A	V	E	R	K	---	K	R	E	S	V	L	A	V	D	P	L	S	N	D	A	L	F	K	-----	K	R	E	S	V	L	A	V	D	P	L	S	N	D	A	L	F	K	-----	292																																																																				
gi	45190626	ref	NP_984880.1	V	R	A	-	Q	L	K	Q	E	A	A	E	A	R	A	R	A	D	A	A	V	Q	R	K	I	---	R	R	D	N	V	L	A	M	D	P	L	S	N	D	A	L	F	K	-----	R	R	D	N	V	L	A	M	D	P	L	S	N	D	A	L	F	K	-----	298																																																																			
gi	39973551	ref	XP_368166.1	V	R	A	-	D	L	R	R	K	K	A	G	R	H	Q	M	R	S	G	O	A	D	L	M	A	K	D	G	L	G	L	R	---	H	E	G	S	K	Q	R	E	D	E	L	D	T	R	K	I	F	A	-----	H	E	G	S	K	Q	R	E	D	E	L	D	T	R	K	I	F	A	-----	313																																																												
gi	32414967	ref	XP_327963.1	V	R	S	-	E	L	R	K	A	T	R	H	N	T	R	V	E	Q	V	K	E	R	L	G	K	L	E	T	L	---	T	A	Q	A	K	K	E	K	-	D	V	L	D	T	R	E	L	F	A	-----	T	A	Q	A	K	K	E	K	-	D	V	L	D	T	R	E	L	F	A	-----	325																																																													
gi	19111899	ref	NP_595107.1	V	R	A	-	A	I	R	N	Q	A	A	Q	R	V	N	R	Q	S	K	L	E	R	V	R	---	A	Q	N	V	I	P	E	D	L	D	N	-	V	F	A	-----	A	Q	N	V	I	P	E	D	L	D	N	-	V	F	A	-----	295																																																																										
gi	18404250	ref	NP_564618.1	I	R	A	-	L	E	K	R	N	K	A	G	K	F	A	K	I	K	A	T	R	K	K	M	H	E	L	S	---	N	P	L	E	P	D	E	F	A	D	M	W	K	D	D	E	-----	N	P	L	E	P	D	E	F	A	D	M	W	K	D	D	E	-----	320																																																																				
gi	18400776	ref	NP_566514.1	I	R	A	-	L	E	K	R	N	K	A	G	K	F	A	K	I	K	A	T	R	R	K	M	H	E	L	S	---	N	P	L	E	P	D	E	F	T	M	W	N	D	E	-----	N	P	L	E	P	D	E	F	T	M	W	N	D	E	-----	315																																																																								
gi	115447019	ref	NP_001047289.1	I	R	A	-	L	E	K	R	K	K	A	G	K	F	A	K	V	K	A	V	R	R	K	M	H	E	M	E	---	N	P	L	E	P	D	E	F	A	E	L	W	K	G	E	D	-----	N	P	L	E	P	D	E	F	A	E	L	W	K	G	E	D	-----	331																																																																				
gi	124512112	ref	XP_001349189.1	P	Q	Q	V	K	L	N	D	H	L	K	K	I	K	N	M	K	K	K	N	K	Y	K	K	F	K	---	F	I	K	P	N	I	K	T	D	I	D	Y	-----	F	I	K	P	N	I	K	T	D	I	D	Y	-----	416																																																																														

