

CRP0000 (classic defensin)

MAR	S	V	P	L	V	S	T	I	F	V	F	L	L	L	V	A	--	T	G	P	S	M	V	A	--	E	A	R	T	C	E	S	Q	S	H	K	F	K	G	P	C	A	S	D	H	N	C	A	S	V	C	Q	T	E	R	F	S	--	G	G	H	C	R	G	F	R	R	R	C	F	C	T	H	C	*							
MAR	S	V	S	L	V	S	T	I	F	V	F	F	L	L	I	V	A	T	E	M	G	P	S	M	V	A	--	--	A	R	T	C	E	T	P	S	N	S	F	K	G	A	C	F	S	D	T	N	C	A	S	V	C	Q	T	E	G	F	P	--	G	G	H	C	K	G	F	R	Q	R	C	F	C	T	K	P	C	*				
MAR	S	L	P	L	V	S	T	I	F	V	F	F	L	L	L	V	A	T	E	M	G	P	I	M	V	A	--	--	E	A	R	T	C	E	T	P	S	N	N	F	K	G	L	C	V	S	D	T	N	C	A	S	V	C	Q	T	E	G	F	P	--	G	G	H	C	E	G	F	R	Q	R	C	F	C	T	K	P	C	*			
MAR	S	I	T	L	V	C	T	I	F	F	F	L	L	L	V	S	T	E	M	Q	P	T	H	V	E	E	P	--	E	A	R	T	C	D	S	Q	S	H	S	F	K	G	V	C	W	I	K	H	N	C	A	N	V	C	K	T	E	G	F	T	--	G	G	H	C	H	G	F	R	R	R	C	F	C	S	K	P	C	*			
MAR	S	V	P	L	V	S	T	I	F	V	F	L	L	L	V	A	--	T	G	P	S	M	V	A	--	--	E	A	R	T	C	E	S	Q	S	H	K	F	K	G	P	C	A	S	D	H	N	C	A	S	V	C	Q	T	E	R	F	S	--	G	G	H	C	R	G	F	R	R	R	C	F	C	T	H	C	*						
MAR	S	V	S	L	V	S	T	I	F	V	F	F	L	L	I	V	A	T	E	M	G	P	S	M	V	A	--	--	A	R	T	C	E	T	P	S	N	S	F	K	G	A	C	F	S	D	T	N	C	A	S	V	C	Q	T	E	G	F	P	--	G	G	H	C	K	G	F	R	Q	R	C	F	C	T	K	P	C	*				
MAR	S	L	P	L	V	S	T	I	F	V	F	F	L	L	L	V	A	T	E	M	G	P	I	M	V	A	--	--	E	A	R	T	C	E	T	P	S	N	N	F	K	G	L	C	V	S	D	T	N	C	A	S	V	C	Q	T	E	G	F	P	--	G	G	H	C	E	G	F	R	Q	R	C	F	C	T	K	P	C	*			
MA	L	Q	F	L	S	I	R	T	I	F	L	F	L	L	V	L	V	A	T	E	M	G	S	I	M	V	V	--	--	E	A	R	K	C	L	S	Q	S	H	S	F	K	G	L	C	L	S	D	Q	N	C	A	T	V	C	L	T	E	G	F	T	--	D	G	R	C	R	G	F	R	Q	R	C	F	C	S	K	P	C	L		
---	---	---	---	---	---	---	M	E	R	K	T	L	W	F	L	F	M	L	F	L	L	A	A	D	I	A	V	K	T	A	E	G	R	R	C	E	S	K	S	H	K	F	K	G	P	C	S	R	D	S	N	C	A	S	V	C	R	G	E	G	F	T	--	G	G	D	C	R	G	F	R	R	R	C	F	C	T	R	N	C	*	
---	---	---	---	---	---	---	M	E	R	K	T	L	G	I	L	F	M	L	F	L	V	L	A	A	D	V	A	V	K	T	A	E	G	R	R	C	E	S	Q	S	H	K	F	K	G	P	C	V	S	D	S	N	C	G	S	V	C	R	G	E	G	F	I	--	G	G	D	C	R	G	V	R	H	R	C	F	C	T	R	N	C	*
---	---	---	---	---	---	---	M	N	K	A	R	F	G	F	F	F	I	L	L	I	L	L	T	F	E	M	V	V	Q	T	E	G	R	K	H	C	R	E	K	S	R	L	F	E	E	L	C	F	N	S	E	D	C	A	N	T	C	R	Y	E	G	F	H	L	G	G	K	C	W	G	L	F	R	T	C	Y	C	K	K	K	R	*
---	---	---	---	---	---	---	M	N	K	T	R	F	G	F	F	F	I	L	L	I	L	L	A	S	Q	M	M	V	Q	T	E	G	R	H	C	E	S	K	S	H	R	F	K	G	M	C	M	S	D	H	N	C	A	S	V	C	H	V	E	G	F	P	--	G	G	N	C	R	G	F	R	R	R	C	F	C	K	K	R	C	*	
MA	S	S	R	K	L	L	A	A	V	L	L	L	L	L	L	L	V	A	T	E	M	G	--	V	V	A	--	--	E	A	R	T	C	E	S	Q	S	H	R	F	K	G	P	C	V	S	D	T	N	C	A	S	V	C	R	T	E	G	F	P	--	G	G	E	C	R	G	F	R	R	R	C	F	C	T	K	P	C	--			

CRP1400 (nodule-specific defensin-like peptide)

M	T	Q	I	L	L	F	V	Y	F	F	I	I	F	L	S	L	S	F	V	T	S	---	---	---	---	---	Y	R	T	R	I	P	C	V	S	D	Y	D	C	P	K	A	S	Y	P	L	F	--	I	K	--	C	I	---	---	Y	N	F	C	E	I	W	G	S	P	*			
M	T	Q	I	V	I	L	F	Y	V	L	I	I	F	L	-	I	L	F	P	V	E	T	---	---	---	---	---	I	R	T	Q	I	S	C	V	S	D	D	D	C	P	K	V	P	Y	P	L	Y	--	I	K	--	C	E	---	---	D	N	F	C	D	I	W	A	S	P	Y		
MA	Q	F	L	M	F	I	Y	V	L	I	I	F	L	Y	L	F	Y	V	E	A	A	M	F	E	L	T	-	K	S	T	I	R	C	V	T	D	A	D	C	P	N	V	V	K	P	L	K	--	P	K	--	C	V	---	---	D	G	F	C	E	Y	T	*	---	---				
MA	H	F	L	M	F	V	Y	A	L	I	T	C	L	S	L	F	L	V	E	M	---	---	---	---	---	G	-	H	L	S	I	H	C	V	S	V	D	D	C	P	K	V	E	K	P	I	T	--	M	K	--	C	I	---	---	N	N	Y	C	K	Y	F	V	D	H	K			
MV	H	I	L	M	F	V	Y	A	L	I	F	S	N	F	I	F	L	V	E	A	N	---	---	---	---	---	M	V	V	L	G	C	V	S	D	D	D	C	P	K	V	P	L	P	R	F	--	L	K	--	C	I	---	---	A	N	L	C	L	V	R	K	K	D					
---	---	---	---	---	---	---	M	F	L	Y	A	L	I	T	F	L	F	L	F	V	E	T	S	T	T	---	---	---	N	T	K	T	T	I	P	C	K	F	D	N	D	C	P	E	I	S	Y	P	L	I	--	L	M	--	C	I	---	---	D	D	F	C	E	Y	L	L	A	*	---
M	G	Q	I	L	I	F	V	F	A	L	I	N	F	L	S	P	I	L	V	E	M	T	---	---	---	---	---	T	T	T	I	P	C	T	S	I	D	D	C	P	K	M	--	P	L	V	--	V	K	--	C	I	---	---	D	N	F	C	N	Y	F	E	I	K	*				
M	G	Q	I	L	I	F	V	F	A	L	I	N	F	L	S	P	I	L	V	E	M	T	---	---	---	---	---	T	T	T	I	P	C	T	S	I	D	D	C	P	K	M	--	P	L	V	--	V	K	--	C	I	---	---	D	N	F	C	N	Y	F	E	I	K	*				
MA	Q	I	L	M	F	I	Y	D	L	I	I	F	L	S	I	F	I	V	T	N	G	G	---	---	---	---	---	L	I	P	C	V	S	D	A	D	C	P	E	E	-	L	A	L	V	--	M	K	--	C	I	---	---	N	K	L	C	E	L	V	M	E	*	---					
M	S	Q	V	M	F	V	Y	T	L	I	I	F	L	F	P	S	H	V	I	T	N	---	---	---	---	---	K	I	A	I	Y	C	V	S	D	D	D	C	L	K	T	F	T	P	L	D	--	L	K	--	C	V	---	---	D	N	V	C	E	F	N	L	*	---	---				
MA	Q	T	L	M	L	V	Y	A	L	I	I	F	T	S	L	F	L	V	V	I	S	---	---	---	---	---	R	Q	T	D	I	P	C	K	S	D	D	A	C	P	R	V	S	S	H	H	--	I	E	--	C	V	---	---	K	G	F	C	T	Y	W	K	L	D	*				
MA	K	V	Y	M	F	V	Y	A	L	I	I	F	V	S	P	F	L	A	T	F	---	---	---	---	---	---	R	T	R	L	P	C	E	K	D	D	D	C	P	E	A	F	L	P	P	V	--	M	K	--	C	V	---	---	N	R	F	C	Q	Y	E	I	L	E	*				
MA	K	F	S	M	F	V	Y	A	L	I	N	F	L	S	L	F	L	V	E	T	---	---	---	---	---	A	-	I	T	N	I	R	C	V	S	D	D	D	C	P	K	V	I	K	P	L	V	--	M	K	--	C	I	---	---	G	N	Y	C	Y	F	F	M	I	Y	E			
---	---	---	---	---	---	---	M	I	F	Y	H	V	L	I	T	L	F	C	Y	L	F	F	I	T	I	Q	---	---	---	---	F	L	P	S	P	C	E	T	D	D	D	C	Q	E	I	G	V	R	---	---	K	I	---	---	R	E	V	C	R	Y	F	A	K	I	H				
M	T	Q	F	L	F	F	I	F	V	L	M	I	F	L	S	P	F	L	V	E	M	E	---	---	---	---	---	K	T	H	V	R	C	I	T	A	D	D	C	P	K	V	E	R	P	L	K	--	M	K	--	C	I	---	---	G	N	Y	C	H	Y	F	L	N	N	F			
MA	Q	L	I	I	F	V	Y	A	L	I	I	F	L	Y	L	L	F	V	E	A	Q	---	---	---	---	---	I	T	K	L	P	C	V	T	V	D	D	C	P	K	V	E	K	P	I	P	--	M	V	A	K	C	F	G	K	S	F	S	R	H	C	H	Y	F	*	---			
MA	Q	I	L	M	F	V	Y	F	L	I	I	F	L	S	L	F	L	V	E	S	I	K	I	---	---	---	F	-	T	E	H	R	C	R	T	D	A	D	C	P	A	R	E	L	P	E	Y	--	L	K	--	C	Q	---	---	G	G	M	C	R	L	L	I	K	K	D			
---	---	---	---	---	---	---	M	F	V	Y	V	L	I	I	F	L	S	L	F	L	I	E	A	---	---	---	---	---	S	I	K	T	K	I	A	C	V	T	D	N	D	C	P	R	A	I	K	P	V	V	--	M	W	--	C	I	---	---	N	N	Y	C	H	Y	L	Y	G	Y	
MA	Q	S	L	I	F	V	Y	A	L	I	I	F	L	F	L	F	R	V	E	A	---	---	---	---	---	E	-	H	L	K	I	R	C	V	T	D	D	D	C	P	K	V	E	K	P	L	Y	--	M	Y	--	C	G	---	---	N	H	W	C	A	Y	K	L	H	F	V			
M	T	Q	F	I	F	F	I	Y	V	L	M	I	F	L	S	L	F	L	V	E	S	E	---	---	---	---	---	K	L	D	I	R	C	A	T	V	D	D	C	P	K	V	T	K	P	V	V	--	M	M	--	C	T	---	---	G	K	F	C	H	Y	F	V	R	K	I			
MA	Q	L	I	I	F	V	Y	A																																																													