

A)

	1	10	20	30	39									
Gallin	LVLKYCPKIGYCSNTCSKTQIWATSHGCKMYCCLPASWKK					+6								
Meleagr	QVLKYCPKIGYCSSKCSKA	EVWAYS	PDCKVHCCVPANQK			+4								
Cygnin	QVRKYCPKVGVCSSKCSKAD	VWSLSSDCKFYCCLPPGWK				+5								
Duck BPS2	QVRKYCPKVGVCSSKCSKAD	VWSLSSDCKFYCCLPPGWK				+5								
Taeniopygin1	KFRKTCAPMGYCSPKCRVMDLK	YTSGDCKYSCC	IPTAWKKGK			+7								
Homology	.	*	*	.	:****	.	*	::	*	.	**	***:	.	*

B)

DuckBPS1	Q	K	K	G	F	C	A	G	Y	C	S	Y	S	C	A	K	T	D	E	W	T	F	H	Q	T	C	G	K	M	Y	C	C	I	P	P	P	K	K	G	+	
Taeniopygin2	Q	P	K	R	S	C	R	G	H	C	S	R	T	C	G	K	G	E	R	E	E	H	T	E	D	C	G	M	H	C	C	L	T	H	R	K	R	+			
Homology	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

C)

