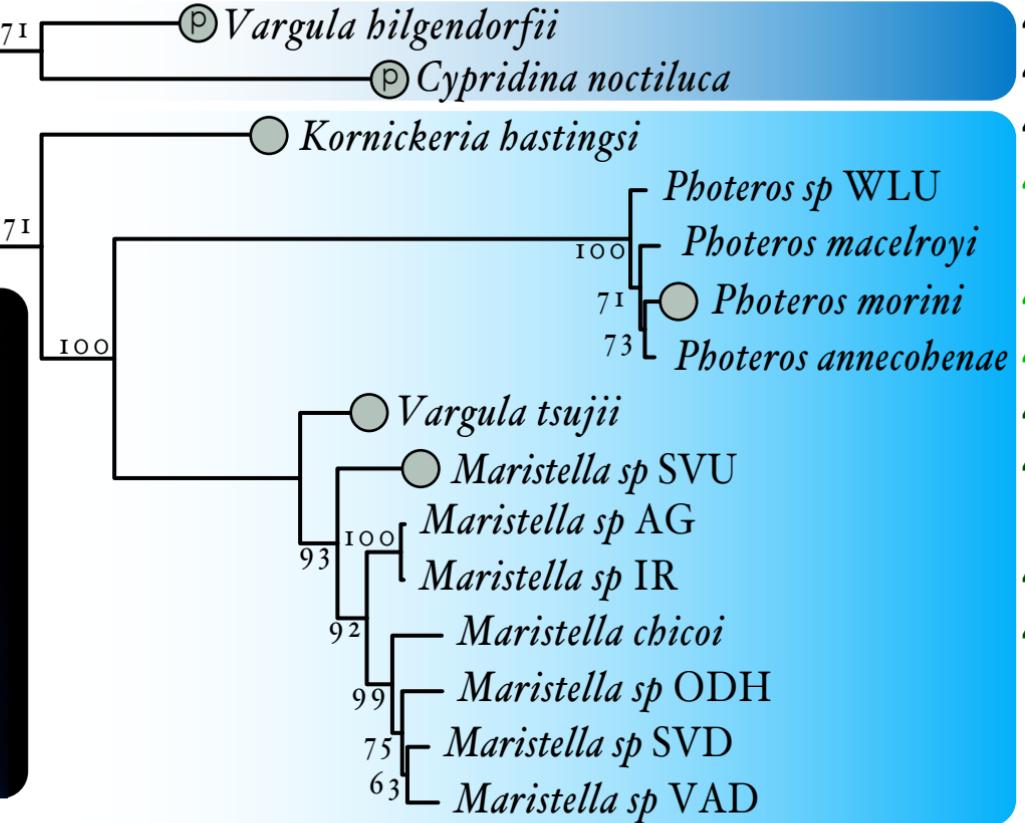


## Non-Signaling Luciferases

## Courtship Signaling Luciferases



$\lambda_{\max}$	Mutagenesis			Sites Under Diversifying Selection (>)		per.v.
	=	<	Decay	episodic	per.v.	
458.7	K	I	N	1.0	Q T Y S K T P D S K Y S K	A G
454.3	K	M	N	?	Q T Y K K T P D D K R S K	- G
460.5	Q	T	D	9.6	F S E S S G A N S K Y T R	S N
465.9	Q	P	D	1.6	A N E S S G P N S T Y T R	T F
?	Q	P	D	5.1	A S E S S G P C S T Y T R	T F
466.3	Q	P	D	15.2	A N A S S G Q C S T Y T R	T F
468.5	Q	P	D	5.4	A N A S S G P C S T Y T R	T F
460.6	L	T	D	?	Y S E S S V E N S V Y T D	S N
460.9	L	T	D	1.5	V A E S S I E N S L Y T D	T N
?	I	T	D	2.7	Y S E S S V A N S L Y T D	F Y
460.7	I	T	D	1.5	Y S E S S V A N S L Y T D	F Y
461.3	I	T	D	2.1	Y S E S S L D N S V Y T D	F Y
?	I	T	D	1.9	Y S E S S L D N S V Y V D	F Y
?	I	T	D	2.0	Y S E S S V D N S V Y V D	F F
?	I	T	D	?	Y S E S S L A N S V Y V D	F Y

Site numbers:  
38 178 404

Significantly associated with  $\lambda_{\max}$  \*\*\* \*\*\* \*\*\*

Significantly associated with decay \*\*\* \*\* \*\* \*\*\* \*\*\*