DNA Master Update – Restores Genemark/Glimmer Functionality (9/14/17)

- 1) Open DNA Master
- 2) Choose **Help** → Update DNA Master
- 3) Restart DNA Master upon prompt to do so (i.e. exit, and re-open)
- 4) Check to make sure you have updated. Choose **Help** → **About**. Be sure you are updated to Version 5.23.2 Build 2529 (14 Sep 2017) or later.
- 5) Choose File -> Preferences
- 6) In the Preferences window, tab [Internet] subtab[[Gene Prediction]]:

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DNA Master Preferences	- • ×
Internet Local Settings Automation Phylogeny Timed Events Miscellaneous	<u>0</u> K
Email REBase NCBI Gene Prediction Blast Secure Connections Home Site	
Glimmer Server www.ncbi.nlm.nih.gov/genomes/MICROBES/glimmer_3.cgi	Cancel
GeneMark Server opal.biology.gatech.edu/GeneMark/genemarks.cgi	
Use PBI Server for SEA-PHAGES courses	
Unlock Code	<u>Export</u>
Server Password	
NCDL Courses have discontinued couries in summer 2017	
Future activity of those servers is uncertain	
Regular users of gene prediction are encouraged to establish their own servers	
The PBI has established a server for use by students in SEA-PHAGES courses	
Enter the password & unlock code provided by the instructor to use this server No need to enter the server address manually	

- 6) Check the box that says 'Use PBI Server for SEA-PHAGES courses
- 7) In the 'Unlock Code' field, enter (case-sensitive) 'Hatfull'
- 8) Then in the Preferences window, subtab [Secure Connections]:

Uncheck the boxes labeled: 'Secure Connection (HTTPS) to GeneMark Server' 'Secure Connection to Glimmer Server'

(PLEASE NOTE: this is temporary until we upgrade the connections on our local server)

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DNA Master Preferences	- • •
Internet Local Settings Automation Phylogeny Timed Events Miscellaneous	<u> </u>
Email REBase NCBI Gene Prediction Blast Secure Connections Home Site	Bevert
Secure Connection (HTTPS) to GeneMark Server	
Secure Connection (HTTPS) to Glimmer Server	
Secure Connection (SFTP) to NCBI Genomes Server	
Secure Connection (HTTPS) to QBLAST Server	<u>E</u> xport
Secure Connection (SFTP) to REBase Server	
 As of November 2016, all NCBI servers must form secure connections	
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- 9) Click the 'OK' button on the top right, and save settings.
- 10) You should now be able to use GeneMark and Glimmer for auto-annotation.