


CACAO - challenging annotations

“Science is self-correcting”

Challenge rounds

4 weeks 
challenges ONLY

3 weeks 
challenge or
annotate

Inning	Activity	Start	End	Notes
0	instruction	<ul style="list-style-type: none">2019-08-27 06:00 PM	<ul style="list-style-type: none">2019-09-01 11:59 PM	First week of classes at TAMU. Introduction
0	instruction	<ul style="list-style-type: none">2019-09-02 12:00 AM	<ul style="list-style-type: none">2019-09-08 11:59 PM	Training Continued
1	annotation	<ul style="list-style-type: none">2019-09-09 12:00 AM	<ul style="list-style-type: none">2019-09-15 11:59 PM	Requirement: one correct annotation per individual by the end of class on the 10th Goal: 2 individual annotations submitted by end of round
1	open	<ul style="list-style-type: none">2019-09-16 12:00 AM	<ul style="list-style-type: none">2019-09-22 11:59 PM	Goal: 5 annotations submitted by end of round.
2	annotation	<ul style="list-style-type: none">2019-09-23 12:00 AM	<ul style="list-style-type: none">2019-09-29 11:59 PM	
2	challenge	<ul style="list-style-type: none">2019-09-30 12:00 AM	<ul style="list-style-type: none">2019-10-06 11:59 PM	TAMU Requirement: 20 annotation points accepted by end of round Goal: 2 challenges submitted by end of round.
3	annotation	<ul style="list-style-type: none">2019-10-07 12:00 AM	<ul style="list-style-type: none">2019-10-13 11:59 PM	
3	challenge	<ul style="list-style-type: none">2019-10-14 12:00 AM	<ul style="list-style-type: none">2019-10-20 11:59 PM	
4	open	<ul style="list-style-type: none">2019-10-21 12:00 AM	<ul style="list-style-type: none">2019-10-27 11:59 PM	Goal: 50 annotation points accepted by end of round
4	challenge	<ul style="list-style-type: none">2019-10-28 12:00 AM	<ul style="list-style-type: none">2019-11-03 11:59 PM	
5	annotation	<ul style="list-style-type: none">2019-11-04 12:00 AM	<ul style="list-style-type: none">2019-11-10 11:59 PM	Goal: 70 annotation points accepted by end of round
5	challenge	<ul style="list-style-type: none">2019-11-11 12:00 AM	<ul style="list-style-type: none">2019-11-17 11:59 PM	
6	open	<ul style="list-style-type: none">2019-11-18 12:00 AM	<ul style="list-style-type: none">2019-11-24 11:59 PM	FINAL ROUND FOR ANNOTATION TAMU Requirement: 80 accepted annotation points by end of round
6	instruction	<ul style="list-style-type: none">2019-11-25 12:00 AM	<ul style="list-style-type: none">2019-11-26 04:20 PM	Final Class. Score Breakdown. Chocolate.



Challenges

Benefits

- Double points
...steal points from opponents
- Experience in the professional scientific activity: peer review
- Help correct annotations so that all are ready to submit to GO
- Some are easy (think notes)
- Harder ones - getting them is satisfying
- Read interesting papers *found by others*

Costs/warnings

- You read papers you didn't pick
- Time investment - you must COMPLETELY correct it to receive points
 - You will not lose points
- You may not challenge your teammates

What the Judges Do

Qualifier	GO ID	GO term name	Reference	Evidence Code	with	Aspect	Notes	Status
	GO:0050490	1,4-lactonase activity	PMID:24955762	IDA: Inferred from Direct Assay		Molecular Function	Table 3 shows kinetic parameters for Ms0025 with various substrates	complete

This annotation made on page: MYCS5:Q4A724
By: Vangals (group Team Thoth) on 2014-09-21 18:01:48 CDT.

History Points New Challenge New Assessment Fix Annotation

Did not check	Incorrect	Correct	
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Protein
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Publication
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Qualifier
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Go term
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Evidence
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	With/From
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Notes
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Unique/Original

Please select the appropriate radio-button after checking each part of the annotation. It is not required that you mark each part of the annotation correct/incorrect.







- ✓ Acceptable
- Unacceptable
- Requires Changes
- Flagged
- Corrected Through Challenges
- Updated by Instructor

Assessment

from the list which describes the current state of this annotation. This field is required.

to read your assessment, please select *Public* from the dropdown below. All assessments default to private status — admins can read these comments.

Annotation grading marks

	Acceptable <ul style="list-style-type: none">- correct, accurate and complete- counts towards required number of annotations for class
	Requires_changes CHALLENGE THESE! <ul style="list-style-type: none">- close, but not quite correct and could be fixed- does not count towards required number of annotations for class
	Unacceptable <ul style="list-style-type: none">- wrong and judges cannot see a way to fix it- does not count towards required number of annotations for class
	Corrected_through_challenge <ul style="list-style-type: none">- challenger has completely corrected an annotation via challenge(s)- counts towards required number of annotations for class
	Flagged <ul style="list-style-type: none">- judges need to recheck this annotation- will be re-assessed as one of the above
	Updated_by_instructor <ul style="list-style-type: none">- instructor has fixed the annotation as it appears on the protein page

Points/Assessment
Flagged <ul style="list-style-type: none">✓ Protein✓ Publication✓ Qualifier✗ Go term✓ Evidence✓ With/From✓ Notes✓ Unique/Original

Challenge I - choose an annotation, click challenge link

Scoreboard

Scoreboard Round 5 Annotations Round 5 Challenges Round 5 Need Assessment

Round 5

Showing 1 to 10 of 52 entries

First Previous 1 2 3 4 5 6 Next

Status	Page	User	Date/Time	GO Term (Aspect)	Reference	Evidence	Notes	Links
	9CAUD:A0A1W6JT72	CRoss2008, Team Dank Genes	2017-11-07 13:02:20 CST	GO:1900229 negative regulation of single-species biofilm formation in or on host organism (P)	PMID:28824588	IDA	Figure 7 shows the preventative effect of Dpo42 on biofilm formation. Organism/Protein: Escherichia phage vB_EcoM_ECOO78 (ORF42 of vB_EcoM_ECOO78 aka Dpo42)	challenge
	ARATH:XPf	CRoss2008, Team Dank Genes	2017-11-07 14:30:40 CST	GO:0006289 nucleotide-excision repair (P)	PMID:10758502	ISA with/from UniProtKB:Q92889	Figure 4 shows sequence alignment to XPf human (and other homologous DNA proteins for nucleotide excision repair) to UVH1. Organism: Arabidopsis thaliana	challenge
	SHIFL:IPA7	JonathanMarcias, Team SEAL Team Ricks	2017-11-12 13:29:47 CST	GO:0034055 positive regulation by symbiont of host defense-related programmed cell death (P)	PMID:25246571	IMP	Organism: Shigella Flexneri protein: IPA7.8 (in paper name) IPA7-Uniprot Fig 2A: "Shigella-induced IpaH7.8-dependent cell death occurs via caspase-1 activation...and [showed] that cell death occurred in an IpaH7.8-dependent manner"	challenge



Challenge 2 - go to new challenge tab

Cacao

[« Previous Annotation](#)

[Next Annotation »](#)

Qualifier	GO ID	GO term name	Reference	Evidence Code	with	Aspect	Notes	Status
	GO:0050490	1,4-lactonase activity	PMID:24955762	IDA: Inferred from Direct Assay		Molecular Function	Table 3 shows kinetic parameters for Ms0025 with various substrates	complete

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History

Points

New Challenge

New Assessment

Fix Annotation

Please provide the reason for this challenge and any supporting evidence. Please enter plaintext or wikitext, no HTML.

Submit a new challenge

Challenge 3 - type your evidence in the box

1. Explain what is wrong
 - As with annotations, the default is that your challenge is wrong unless you can convince us clearly
2. You can use wikitext markup in your challenge - not required (but they make our life easier)
 - Useful for links:
 - Internal link `[[page_name]]`
 - Internal link with link text `[[page_name|link text]]`
 - Category page links need a ':' prefix
 - External link `[[URL link text]]`
 - Examples:
 - link to a GO term `[:Category:GO:0050490_!_l,4-lactonase_activity|Category:GO:0050490_!_l,4-lactonase_activity]]`
 - Link to a UniProt page `[http://www.uniprot.org/uniprot/Q4A724 Q4A724]`

Challenge 4 - your challenge made

Your challenge awaiting
assessment by instructors

History	Points	New Challenge	New Assessment	Fix Annotation	
Entry Type	Challenging User,Group/Assessor	Time/Date	Challenge Reason/Assessment Notes	Points/Assessment	
Challenge	Jrr, ?	2018-09-24 12:54:48 CDT	Correct by changing the GO term to GO:1903726 ! negative regulation of phospholipid metabolic process.	None, yet. <input type="radio"/>	
Public Assessment	DanielRenfro	2018-09-24 12:54:48 CDT	This annotation has been flagged because it has been challenged since last assessment	Flagged	
Private Assessment	Sandy1 27	2018-04-18 14:10:59 CDT	I like the child term GO:0051055 better	Requires Changes <input checked="" type="checkbox"/> Protein <input checked="" type="checkbox"/> Publication <input checked="" type="checkbox"/> Qualifier <input checked="" type="checkbox"/> Go term <input checked="" type="checkbox"/> Evidence <input checked="" type="checkbox"/> With/From <input checked="" type="checkbox"/> Notes <input checked="" type="checkbox"/> Unique/Original	

Notes - reminder of what should be there

Remember, the notes section needs the following items to be correct:

- 1. Organism**
- 2. Protein name(s)** as named in paper and uniprot if they are different
- 3. Figure** in paper that supports your annotation **with a little description**

If you miss these items, your points may be stolen via challenge!!

Challenges: tips for getting your points

- Look at the other challenges in the history tab
 - Whoever challenges a particular aspect of the annotation **first** gets credit, UNLESS the later challenge does a better job of correcting the whole annotation
- To get challenge points, you have to completely fix the annotation
 - suggest a new terms/names, don't just say 'it is wrong'
- Try to figure out if the annotation is fixable
 - If you can't salvage part of the annotation, the "fix" should be a new annotation.