### Appion - Feature #4558

**clean up getacepreset.php output**

11/01/2016 11:35 PM - Anchi Cheng

<table>
<thead>
<tr>
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<th>Closed</th>
<th>Start date:</th>
<th>11/01/2016</th>
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<td>Due date:</td>
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<tr>
<td>Assignee:</td>
<td>Neil Voss</td>
<td>% Done:</td>
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<td>Category:</td>
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**Description**

It currently show many confidence measurement matrix. Need to clean up since some of them are not used much any more. I also want to add package resolution in there since Gctf and CTFFIND4 both have this output and it is saved in the Appion database.

**Associated revisions**

Revision db0cbe30 - 11/02/2016 03:34 PM - Anchi Cheng
refs #4558 display confidence score and package resolution

Revision 5745046c - 11/02/2016 11:22 PM - Anchi Cheng
refs #4558 confidence_appion definition and usage

**History**

#1 - 11/01/2016 11:38 PM - Anchi Cheng
- Status changed from New to Assigned
- Assignee set to Neil Voss

Neil,

I need to hear from you which ones you feel o.k. to remove from the display. I think confidence_5_peak and/or confidence_30_10 are the least used.

#2 - 11/02/2016 09:26 AM - Neil Voss

Hard to say, confidence is a good measure when comparing different packages and last I checked it was the default filter in makestack.

#3 - 11/02/2016 01:24 PM - Anchi Cheng

If I am tracing the function right, makestack uses apCtf.ctfdb.getBestCtfValue function without sortType specified. Therefore, it is using res80 as primary scoring as default. Only if res80 is not available, it will use calculateConfidence function that takes the maximum of 30/10, 5_peaks, and the package defined confidence. How about displaying them as one item?

80% of phase plate data which in general has defocus of -0.5 um could not generate apCtf.ctfdisplay analysis results. I need to show package resolution while fitting all of the displays in one line.

#4 - 11/02/2016 01:27 PM - Neil Voss

Yes, but I think it uses the 80% confidence before entering the loop to outright reject images. Check the pre-loop functions.

I hope to take a look at fixing my stuff for phase plates when I get time again.

#5 - 11/02/2016 01:56 PM - Anchi Cheng

Fixing ctfdisplay analysis would be a different issue. I, for one, don't use that cutoff in makestack any more because they have little predictive power for high resolution data analysis.

#6 - 11/02/2016 02:24 PM - Anchi Cheng

The 80% confidence cut off for rejecting image also uses calculateConfidenceScore. Therefore, I am going to display one value based on that algorithm. Call it conf (Appion) unless there is objection.

#7 - 11/02/2016 03:38 PM - Anchi Cheng
- Status changed from Assigned to In Test

committed the change. Only make confidenceScore correct for this case, though. myamiweb output of bestdb is quite a mess. It should be unified.

03/18/2020
#8 - 11/02/2016 03:45 PM - Bridget Carragher
Seemms like a good plan to me - I also find these conf values very confusing.

#9 - 11/02/2016 06:04 PM - Neil Voss
Thanks Anchi, I think your plan is good.

#10 - 01/22/2018 03:34 PM - Anchi Cheng
- Status changed from In Test to Closed