STATdb Submission Policy

1. End-User registers for submission

2. Submit STAT sequence by filling up annotation form

3. Check for user verification
   - No → 4. Reject and Notify user.
   - Yes → 11. Anonymous user submits STAT by email

11. Anonymous user submits STAT by email
    - No → 6. Check for Submission details' completion
    - Yes → 7. Check for Redundancy by BLAST search of STATdb

7. Check for Redundancy by BLAST search of STATdb
   - No → 9. Check for presence of STAT specific domains
   - Yes

9. Check for presence of STAT specific domains
   - No → 8. Check for novel annotations in the query sequence
   - Yes

8. Check for novel annotations in the query sequence
   - No → 5. Reject and Notify user. Suggest for resubmission with amendments.
   - Yes

5. Reject and Notify user. Suggest for resubmission with amendments.

6. Check for Submission details' completion
   - No → 10. Insert Record into STATdb. Upgrade Statistics, STATdb browser, BLAST database and Community Contribution
   - Yes

10. Insert Record into STATdb. Upgrade Statistics, STATdb browser, BLAST database and Community Contribution

12. User is notified about acceptance of submission and unique STATdb_id of the record
Procedure for Submission Policy

1 The end user registers for submission of STAT records through the submission page.

2 User fills in the required details (user particulars and record data) and submits.

3 User particulars are verified. If successful, proceed to step 6, otherwise step 4.

4 User is notified by the appointed reviewer, and asked for registration again if necessary and re-submit with correct details.

5 User is notified by the appointed reviewer, and suggested for resubmission and amendments if necessary.

6 Reviewer checks the submission for record data completeness. Submission is rejected as in Step 5 if incomplete.

7 BLAST search is performed against STATdb using the submitted sequence as a query. If 100% match with 100% length coverage is observed then submission is checked for new annotations as in step 8 because the sequence is already present in STATdb. Proceed to step 9 for matches with less than 100% identity for any fraction of length coverage.

8 Reviewer checks for new annotations in the query sequence. Submission is rejected as in Step 5 if no new annotations found, else proceed to step 9.

9 The submitted sequence is checked for presence of STAT specific domains by searching against CDD (Conserved Domain Database). The sequence would be accepted and included in STATdb as a new record with “Experimentally Verified” status if at least one such domain is present and there is a supporting publication; otherwise as “Hypothetical” status. The sequence is stored with “Unknown” status if no STAT specific domain is present, but significant similarity (> 50%, irrespective of length coverage) to known STAT proteins is observed from the BLAST search in step 7. The sequence is rejected as in step 5 if it does not meet any one of these situations.

10 The following pages of STATdb are updated: Statistics, Browser, BLAST, and Community Contribution.

11 Anonymous user submit STAT sequence by email. If the query is valid, proceed to step 6.

12 User is notified by the reviewer about acceptance of submission and the unique STATdb_Id of the record.