

Welcome to BioBlade

BioBlade is a powerful platform designed to manage targets, oligos, products, and reports for genomic research and assay development.

This guide will walk you through:

- Logging In
- Managing Targets
- Managing Oligos
- Managing Products
- Generating Reports

Each section includes visual references for ease of use.

1. Logging In

To begin using BioBlade, navigate to the login page.

Steps:

1. Enter your registered email address.
 2. Enter your password.
 3. Click **Sign In**.
 4. Forgot your password? Click **Forgot password?** to reset.
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2. Managing Targets

View and Manage Existing Targets

Target Sequences contain important information such as Taxonomic ID, Common Name, and Cached Sequences.

Actions:

- Click **View** next to a target to see details or manage it.

Adding a New Target

Click **Add Target**.

You can:

- **Batch Import** using database queries.
- **Manual Entry** to add a target one by one.

Batch Import

Fill in fields like:

- Source Database
- Uploaded After (Year)
- Clade ID
- Search Term

Optional Filters:

- Enforce complete sequences
- Enforce USA Origin

Click **Query Database** to import.

Manual Entry

Fill in fields manually:

- Taxonomic ID
- Target ID
- Common Name
- Isolate
- Completeness
- Collection Date
- Sample Origin
- Genomic Sequence

Check the confirmation box and click **Submit**.

3. Managing Oligos

Active Oligos List

You can view all active oligos including their:

- Name
- Sequence
- DNA Strand Positive status

Actions:

- **View:** See oligo details.
- **Archive:** Move an oligo to the archived list.

Add a New Oligo

Steps:

1. Enter Oligo Name.
2. Enter Oligo Strings or upload from file.
3. Select DNA Strand Positive if applicable.
4. Type 'YES' to confirm information is correct.
5. Click **Submit**.

Archived Oligos

Archived oligos are separated but remain accessible for review.

4. Managing Products

View Existing Products

Product attributes include:

- Product Name
- Active Version
- Number of Versions
- Oligo Names

Actions:

- **View** product details.
- **Edit** product configuration.

Edit a Product

Modify:

- Product Name
- Available Oligos

Confirm your changes by typing "YES" and clicking **Submit**.

5. Generating Reports

Create a New Report

To generate a report:

1. Enter a **Title**.
2. Select a **Target**.
3. Select a **Product**.
4. Optionally, schedule the report to run automatically.
5. Confirm by typing "YES".
6. Click **Submit**.

View Report Details

Reports display:

- Target details
- Product associated
- Number of mismatches detected across bases

You can toggle between counts and percentages.

Navigation Summary

You can always return to key sections using the navigation bar:

- Home
- Targets
- Oligos
- Products

Located at the top of the page.

Tips and Best Practices

- Always double-check your entries before submission.
 - Use the "View" buttons to review information prior to finalizing reports or products.
 - Archive oligos no longer in use to maintain a clean database.
 - Leverage batch imports for large datasets to save time.
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Support

If you encounter issues or have questions:

- Use the **Account** menu to access settings or sign out.
 - Contact BioBlade Support at [support@example.com].
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Thank You

We are excited to support your work with BioBlade!

End of Manual