

Instructions for Use



Archer™ Assay Designer

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Introduction

Product Description

The Archer FusionPlex™ and VariantPlex™ target-enrichment assays are used to create libraries for next generation sequencing. Libraries are created by using the FusionPlex assay in conjunction with the Archer Universal RNA Reagent Kits V2 (AK0040-8, AK0042-8), or VariantPlex assay in conjunction with the Archer Universal DNA Reagent Kit V2 for Illumina® (AK0037-8) and Archer™ MBC Adapters for Illumina or Ion Torrent™. Please note that DNA custom design is not supported on the Ion Torrent platform at this time. **These products should never be used independently** (see [Associated Products](#)).

Once sequenced, Archer FusionPlex or VariantPlex libraries may be analyzed via [Archer Analysis](http://archer.archerdx.com/) (<http://archer.archerdx.com/>) to detect and identify SNPs, InDels and fusion partners of designated genes. Copy number variation is not supported through Assay Designer at this time. **For Research Use Only**. Not for use in diagnostic procedures.

While Archer has a large and growing family of FusionPlex and VariantPlex assay panels, these panels cannot possibly provide detection for the vast combination of gene fusions and mutations possible in the human genome. For this reason, Archer has designed an online tool to facilitate panel customization. **The Archer Assay Designer** enables the user to pick and choose desired genes and gene exons. In the following pages, you will find detailed instructions for using and navigating this powerful tool.

Assay Type

Currently, the Archer Assay Designer offers RNA fusion detection, RNA full exon detection and DNA full exon detection. If you require Copy Number Variation detection, or DNA fusion detection, please contact tech@archerdx.com.

Overview

1. Register / login
2. Create a new project
3. Add gene targets
4. Specify target exons, fusion or tiling direction, and optional inclusion of UTRs
5. Submit design
6. Review completed design
7. Order assay



Getting Access



WELCOME TO THE ARCHER ASSAY DESIGNER

The Archer Assay Designer is the most advanced custom assay design tool available. If you have an account, log in below. Otherwise, [register](#) to start creating your custom designs.

Username*

Password*

[Forgot your password?](#)

[Log in](#)

<http://assay.archerdx.com/>

Registration

- First-time users must register before gaining access to the Archer Assay Designer. Follow the link circled to the left to go to the Registration Page.
- Enter your username, email address, institution, and password on the registration page, read the Terms and Conditions of Use, and click [Register](#) at the bottom.

WELCOME TO THE ARCHER ASSAY DESIGNER

The Archer Assay Designer is the most advanced custom assay design tool available. If you have an account, log in below. Otherwise, [register to start](#) creating your custom designs.

Username*

Password*

[Forgot your password?](#)

[Log in](#)

Postal code

Country

Password*

Password (again)*

By registering you accept the terms of the EULA.

ArcherDX, Inc.
Website Terms and Conditions of Use
Last Updated: March 26, 2015

1. Acceptance of Terms and Conditions of Use.
These Website Terms and Conditions of Use (the "Terms of Use") apply to the ArcherDX, Inc. ("ArcherDX") web site located at www.ArcherDX.com, and all associated sites linked to www.ArcherDX.com by ArcherDX, its subsidiaries and affiliates (collectively, the "Site"). The Site is the property of ArcherDX and its licensors. BY USING THE SITE, YOU AGREE TO THESE

[Register](#)



Confirmation

- Upon successful registration you will receive an activation e-mail at the address provided. To activate your account simply follow the link in the e-mail. Once your account has been successfully activated, you will see the following message.

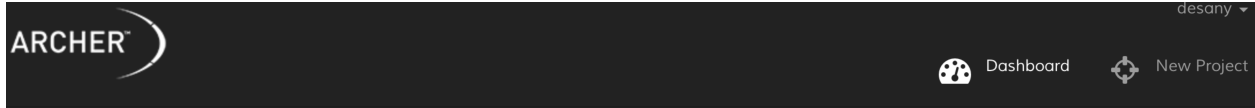
Your account has been activated.

Please [Login](#) to start your first assay design.

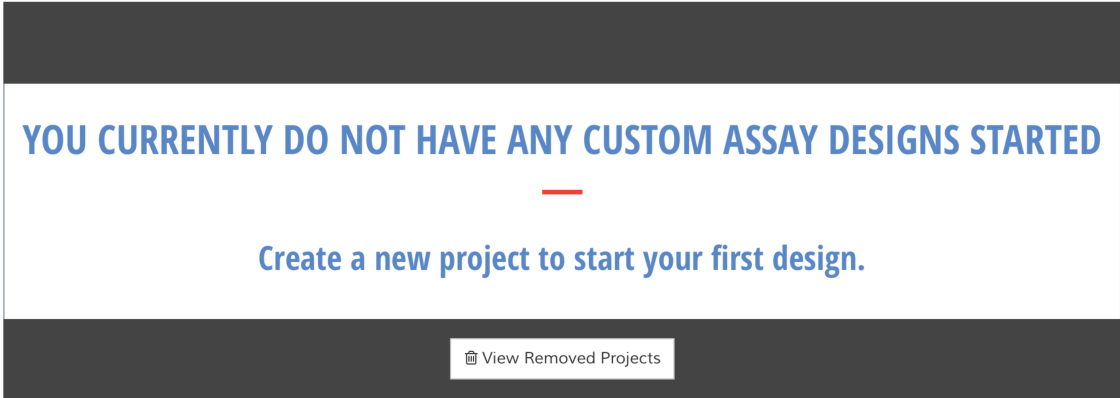
Website at

a Glance

The screenshot shows the Archer Assay Designer home screen. At the top left, the ARCHER logo is circled in red. A red box with an arrow points to it, containing the text: "Return to this home screen at any time by clicking on the Archer symbol". In the top right corner, the text "Test User" is visible. Below the header, there is a red button labeled "Create New Project". The main content area features the text "YOU CURRENTLY DO NOT HAVE ANY CUSTOM ASSAY DESIGNS STARTED" in blue, followed by "Create a new project to start your first design." in blue. At the bottom, there are two buttons: "Create New Project" (red) and "View Removed Projects" (white). A red box with an arrow points to the "Create New Project" button, containing the text: "Create New Project: Click here to start a new assay design".

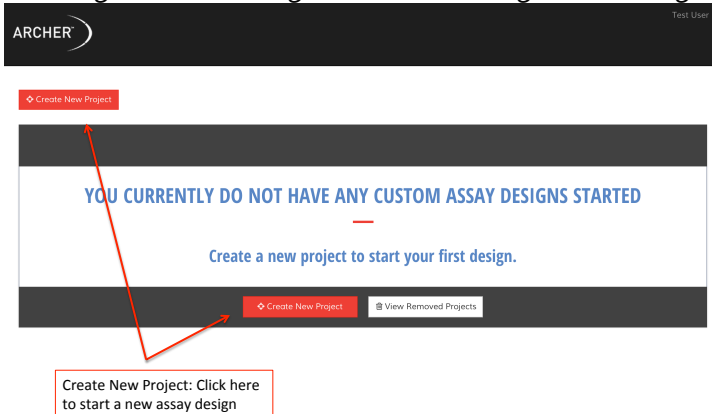


✦ New Project



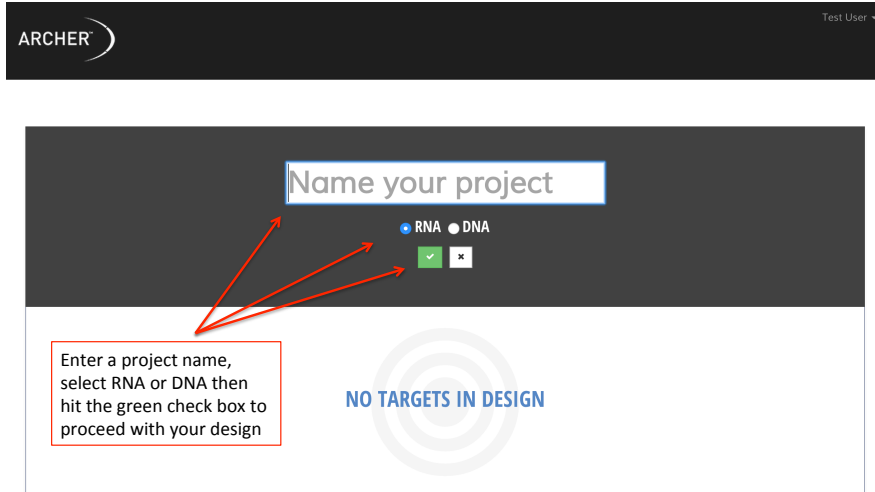
New Project

- Click the "Create New Project" button to create a new project.
- After selecting Create New Project, Assay Designer will walk you through selecting and defining the target exons of interest.



Design Name and Type

1. Enter a name for your project.
2. Select RNA or DNA
 - If you'd prefer to analyze DNA for fusion or CNV contact: tech@archerdx.com.
3. Click the green checkbox to start customizing your design.



- After clicking on the green box above you will be prompted to add the target regions of interest.

Things to Consider

Before adding targets to the design, you may want to consider a few important features.

Target Gene Variants

- When choosing a gene target, please note that some genes have multiple transcript variants.
- It is important to consider transcript variants because exon numbers may vary between them.
- It is critical to make sure you are specifying exons numbers relative to the transcript you have selected

Fusion Exon

- Genes fusions may form at several different exon junctions.
- For this reason it is necessary to know the exact exon(s) by which this occurs.

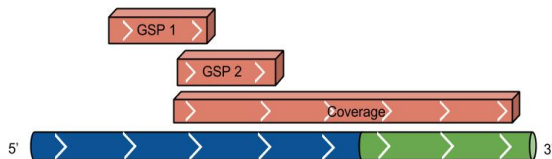


Fusion Direction

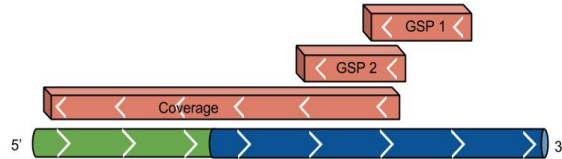
- Fusion partners may bind at the 5' end, 3' end, or in some cases both ends of a gene exon. You will be given the option to designate which direction you expect the fusion partner to be located.



3' Directional Fusion Detection



5' Directional Fusion Detection



References

- If you are uncertain about any of the previously mentioned features, please visit the following sources for clarification:
 - Quiver - <http://archerdx.com/software/quiver>
 - This curated database designed by Archer™ contains entries from the sources listed below as well as several others, including manual entries from our in-house fusion discoveries.
 - COSMIC - <http://cancer.sanger.ac.uk/cancergenome/projects/cosmic/>
 - ChimerDB - <http://biome.ewha.ac.kr:8080/FusionGene/index.jsp>
 - TICdb - <http://www.unav.es/genetica/TICdb/>



Add New Targets

- After entering in your project name, molecule type, and clicking on the green box you will be prompted to add the target regions of interest.

Add Target to Design x

Upload Targets
Search Genes
Load Panel

Select target file Drag & Drop Files

Supported target file formats include .BED and [Archer's custom format](#).

- There are three methods for adding gene targets:
 - 1. Upload a primer design file,
 - 2. Upload all the targets from one of our commercially available panels, then edit
 - 3. Search for the target regions of interest by gene name

1. Adding Targets by Uploading a Target File

- Click the indicated link to download a template file for adding targets.

Add Target to Design x

Upload Targets
Search Genes
Load Panel

Select target file Drag & Drop Files

Supported target file formats include .BED and [Archer's custom format](#).

For example formatting options and information about custom target files click on [Archer's custom format](#)

Download sample file

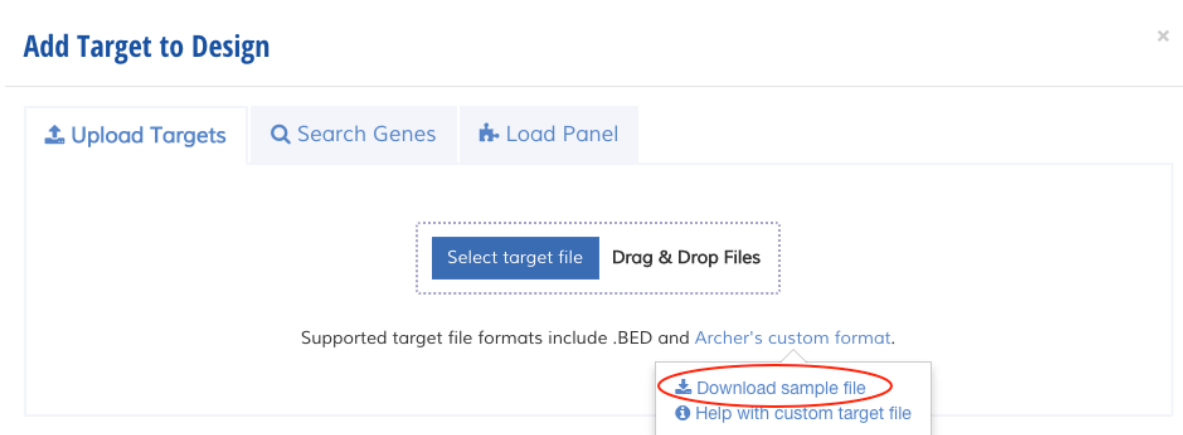
Help with custom target file



Clicking on the “Help with custom target file” will display the following:

Adding Targets to Custom Target File

INSTRUCTIONS FOR GENERATING AND UPLOADING A CUSTOM TARGET FILE

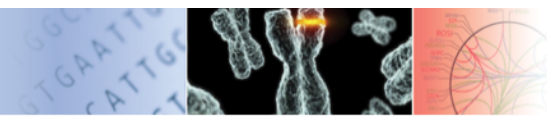


1. Click on the "Download sample file" link to download a template file showing sample targets.

Target_name	NCBI_reference_sequence	Target_exons	Direction	Assay_type	Notes
RET	NM_020975	8,9,10,11,12,13,14	5	fusion	
ALK	NM_004304	19,20,21,22,23,24	5	fusion	
ALK	NM_004304	25 3 fusion			
ROS1	NM_002944	31,32,33,34,35,36,37	5	fusion	

2. By default, this template file is downloaded as a "txt" file, which may be difficult to add information to. Copy the template into an Excel spreadsheet, or similar application, to easily add gene targets and other necessary information. Below is an example of a correctly formatted custom target file.

	A	B	C	D	E	F
1	Target_name	NCBI_reference_sequence	Target_exons	Direction	Assay_type	Notes
2	RET	NM_020975	8,9,10,11,12,13,14	5	fusion	
3	ALK	NM_004304	19,20,21,22,23,24	5	fusion	
4	ALK	NM_004304		25	3 fusion	
5	ROS1	NM_002944	31,32,33,34,35,36,37	5	fusion	
6						



Each column name signifies the following:

- Target Name: Canonical gene symbol for target gene.
- NCBI_reference_sequence: The reference sequence associated with the target gene. Reference sequences must start with "NM".
- Target Exon: The exons within the target gene, which will be amplified for gene fusions. Exons must be comma delimited.
- Direction: The direction of primer amplification, designated by either the "5" or "3" prime end of the gene. If you would like to detect fusions in both directions you may do this by adding the target gene and gene exons twice but selecting opposing directions (see NTRK3 entries in example).
- Assay_type: Currently supported assay types include "Fusion" and "Tile".
- Notes: This section will not be considered by the assay designer. It is for your convenience to keep note of ideas while building your custom file.

Format: **Tab Delimited Text (.txt)**

3. When you have finished adding targets to your custom file, be sure to save your spreadsheet file as a Tab Delimited Text (.txt) file.

Add Target to Design ×

Upload Targets
Search Genes
Load Panel

Select target file Drag & Drop Files

1). RET_ALK_ROS1.txt

100%
Done

The following gene targets were added:

RET:: chr10:43572516-43625797
 ALK:: chr2:29415639-30144477
 ALK:: chr2:29415639-30144477
 ROS1:: chr6:117609529-117747018

Supported target file formats include .BED and Archer's custom format.

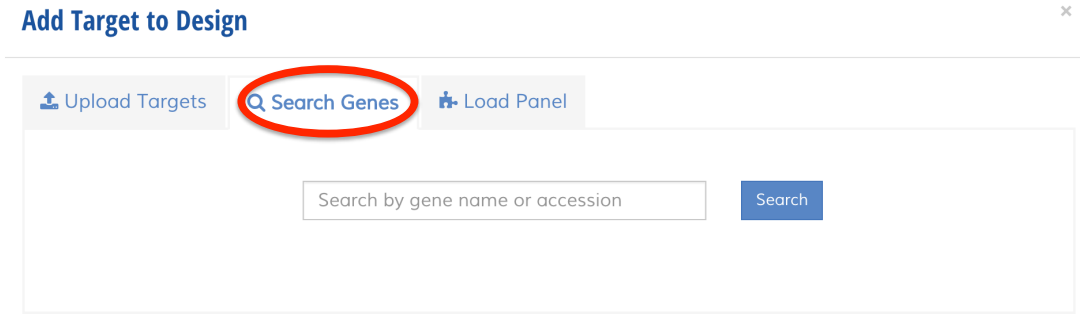
4. Upload your file by dragging and dropping it in to the designated



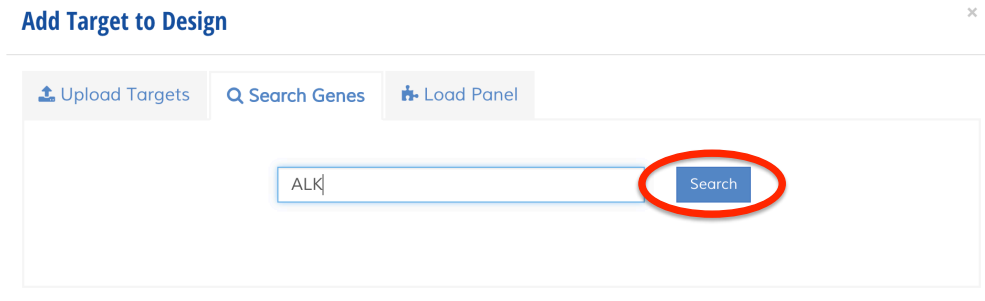
area. Alternatively, you may select the file to be uploaded by navigating to its location on your computer.

2. Adding Targets by a Gene Name Search

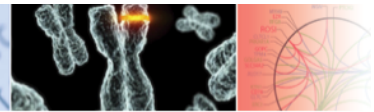
- Select the [Search Genes](#) tab circled below.



- Enter either the full or partial gene symbol and then click search.



- Select the correct transcript variant from the resulting list by clicking the corresponding [+](#) (see [Things to Consider](#) to find out more about transcript variants).



Add Target to Design

[Upload Targets](#)
[Search Genes](#)
[Load Panel](#)

Gene Symbol	Accession	Quiver	Coordinates
+ ALK	NM_004304		chr2:29415639:30144477
+ ACVR1B	NM_020328		chr12:52345450:52390863
+ ACVR1B	NM_004302		chr12:52345450:52390863
+ ACVR1B	NM_020327		chr12:52347163:52390863

- Verify you have the correct gene transcript by clicking the gene symbol link to view your selected target in the [UCSC Genome Browser](#) or click the accession number link to read about your selection at the [NCBI GenBank](#).

Add Target to Design

[Upload Targets](#)
[Search Genes](#)
[Load Panel](#)

Gene Symbol	Accession	Quiver	Coordinates
+ ALK	NM_004304		chr2:29415639:30144477

Target Options

The software will walk you through the options for each target after you have selected it including the following:

Direction

- The direction of primer amplification is relative to the gene of interest and is based on the location or potential location of the fusion partner (see [Things to Consider](#)).
- DON'T FORGET: if you want fusion detection at both ends of a target exon, you must add that gene and select that target exon twice: once in the 3' direction and once in the 5' direction
- Click Next after making your selection



Add Target to Design ×

✓
ALK
NM_004304

chr2:29415639:30144477
Homo sapiens anaplastic lymphoma receptor tyrosine kinase (ALK), mRNA.

In which direction should primers extend relative to this target gene?

3'
 5'

Next

Untranslated Regions

- Specify whether or not to include untranslated regions in the design.

Add Target to Design ×

✓
ALK
NM_004304

chr2:29415639:30144477
Homo sapiens anaplastic lymphoma receptor tyrosine kinase (ALK), mRNA.

Should primers target untranslated regions of this target gene?

No
 Yes

Previous

Next

Exon Selection

- The assay designer provides the flexibility to choose exactly which exons in the target gene you want to sequence
- If you intend to detect fusion across all exons click **Check All**, otherwise, click the box next to the desired target exon(s).
- When the appropriate exons have been selected, exit by clicking **Next**.



Add Target to Design ×

✓ ALK NM_004304 🏠 chr2:29415639:30144477
 Homo sapiens anaplastic lymphoma receptor tyrosine kinase (ALK), mRNA.

Please select which exons you would like to target. ⓘ

<input type="checkbox"/> 1	<input type="checkbox"/> 9	<input type="checkbox"/> 17	<input checked="" type="checkbox"/> 25	<input type="radio"/> All
<input type="checkbox"/> 2	<input type="checkbox"/> 10	<input type="checkbox"/> 18	<input type="checkbox"/> 26	<input type="radio"/> None
<input type="checkbox"/> 3	<input type="checkbox"/> 11	<input checked="" type="checkbox"/> 19	<input type="checkbox"/> 27	
<input type="checkbox"/> 4	<input type="checkbox"/> 12	<input checked="" type="checkbox"/> 20	<input type="checkbox"/> 28	
<input type="checkbox"/> 5	<input type="checkbox"/> 13	<input checked="" type="checkbox"/> 21	<input type="checkbox"/> 29	
<input type="checkbox"/> 6	<input type="checkbox"/> 14	<input checked="" type="checkbox"/> 22		
<input type="checkbox"/> 7	<input type="checkbox"/> 15	<input checked="" type="checkbox"/> 23		
<input type="checkbox"/> 8	<input type="checkbox"/> 16	<input checked="" type="checkbox"/> 24		

Previous
Next

Check the boxes next to your exons of interest. You can also clear your selection by clicking none, or select all exons.

Exon Tiling or Fusion Detection

- Choose either exon tiling or fusion detection for the exons chosen for the target.

Add Target to Design ×

✓ ALK NM_004304 🏠 chr2:29415639:30144477
 Homo sapiens anaplastic lymphoma receptor tyrosine kinase (ALK), mRNA.

Which assay type should primers for this gene target use?

Tile
 Fusion

Previous
Finish

- After selecting finish, you will be directed back to the main [Add Targets to Design](#) screen. Choose more targets or proceed to submit your design by closing the [Add Targets to Design](#) window.

3. Adding Targets by Loading a Panel

Select from one of our commercially available panels

- This tab will give you the option of utilizing one of our commercially available panels. You may add targets, remove targets or combine panels.
- Select the desired panel(s) by clicking the corresponding +



Add Target to Design

Panel Name	Version	Comments
FusionPlex ARR Panel	2.0	---
FusionPlex NTRK Panel	1.0	---
FusionPlex Heme Panel	1.0	---
FusionPlex Sarcoma Panel	1.0	---
FusionPlex FGFR Panel	1.0	---

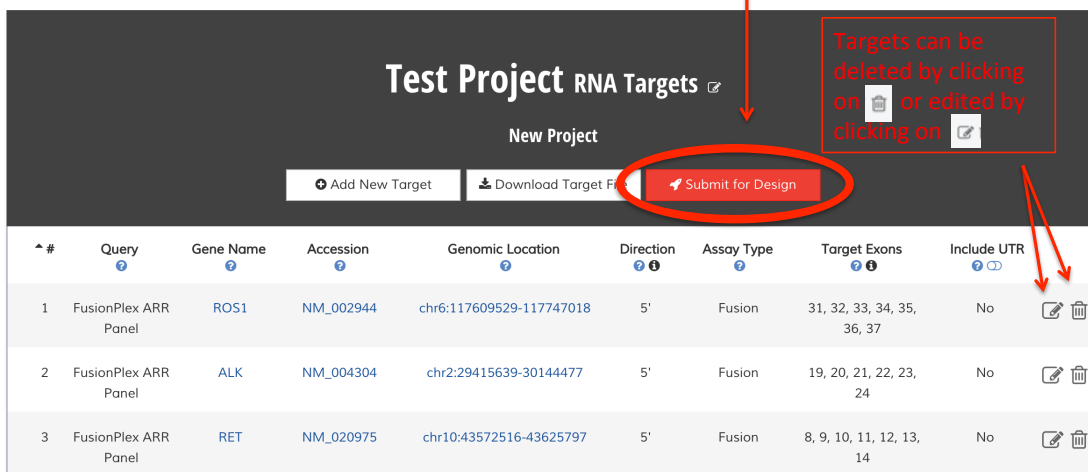
- After selecting a panel you may still add more targets or remove unwanted targets. Choose more targets, or proceed to submit for design by closing the **Add Target to Design** window.

When you are done adding panels and/or targets close the Add Target to Design window by clicking on the grey x.

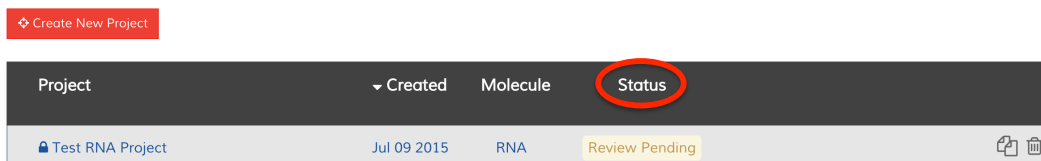
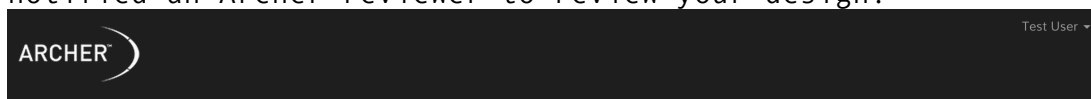
Panel Name	Version	Comments
FusionPlex ARR Panel	2.0	---
FusionPlex NTRK Panel	1.0	---
FusionPlex Heme Panel	1.0	---
FusionPlex Sarcoma Panel	1.0	---
FusionPlex FGFR Panel	1.0	---

Submit for Design

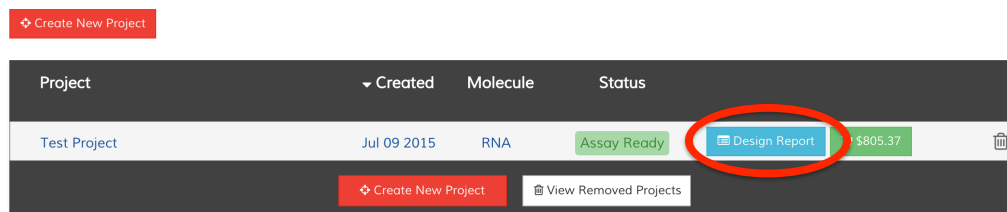
- Once you have uploaded all genes of interest and selected the correct directions and exons, click **Submit for Design** to initiate the design process.
- While the most recent project is being designed, another project may be created in the interim. However, only one project may be submitted for design at a time.



- Once the design has been submitted you will be able to see the status of the design. A status of **Review Pending** indicates that Archer Assay Designer has completed designing your primers and notified an Archer reviewer to review your design.



- After the design is reviewed, you will receive an e-mail with a quote, and a sales representative will contact you.
- Once the Design has been approved, the Dashboard status of the project will change to say "Assay Ready" and will provide you with new options. You will receive an additional email from the reviewer with any notes for your design.





Review Order

- You may review your order by either following the link in the e-mail or by clicking **Design Report** on the Dashboard.

Test Project RNA Design Report

Assay Ready

Visualize Results
Download Target File
\$805.37

Overall Coverage: 100%

Total Targets: 21

Coverage	Gene Symbol	Accession	Genomic Location	Direction	Assay Type	Target Exons	Include UTR
100%	ROS1	NM_002944	chr6:117609529-117747018	5'	fusion	31, 32, 33, 34, 35, 36, 37	No
100%	ALK	NM_004304	chr2:29415639-30144477	5'	fusion	19, 20, 21, 22, 23, 24	No
100%	RET	NM_020975	chr10:43572516-43625797	5'	fusion	8, 9, 10, 11, 12, 13, 14	No
100%	ALK	NM_004304	chr2:29415639-30144477	3'	fusion	25	No

Coverage Key



DESIGN DOWNLOADS

Project created July 10, 2015

Download all as .zip

primers_gsp1.bed

📄
⬇️

primers_primer_regions.bed

📄
⬇️

primers_gsp2_coverage.bed

📄
⬇️

primers_targets.bed

📄
⬇️

primers_gsp2.bed

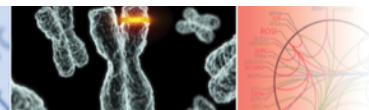
📄
⬇️

primers.gtf

📄
⬇️

Check Coverage

- The coverage rating is an indication of how many of the designated targets will be amplified by the design.
- Unfortunately, the Assay Designer may not always produce an assay with 100% coverage due to complications with the target of interest.
 - Non-unique regions (contains gene homologues)
 - A-T rich regions
 - Low complexity regions (polynucleotide repeats)
- Overall coverage can quickly be assessed by comparing the coverage score to the color-coded coverage key below the target list.



- Each gene target, as well as the individual exons within that target is assigned a coverage rating. Clicking on the exon number will bring up a report. The Target Exon Report displays the percent coverage for each exon. If there was less than 100% coverage, the reason for design failure is specified. The cause of incomplete coverage will also be discussed in the email from the reviewer.

Coverage	Gene Symbol	Accession	Genomic Location	Direction	Assay Type	Target Exons	Include UTR
100%	ROS1	NM_002944	chr6:117609529-117747018	5'	fusion	31, 32, 33, 34, 35, 36, 37	No
100%	ALK	NM_004304	chr2:29415639-30144477	5'	fusion	19, 20, 21, 22, 23, 24	No
100%	RET	NM_020975	chr10:43572516-43625797	5'	fusion	8, 9, 10, 11, 12, 13, 14	No
100%	ALK	NM_004304	chr2:29415639-30144477	3'	fusion	25	No

Target Exon Report

Target	Genomic Location	Coverage
31	chr6:117658334-117658503	100%
32	chr6:117650491-117650609	100%
33	chr6:117647386-117647577	100%
34	chr6:117645494-117645578	100%
35	chr6:117642421-117642557	100%
36	chr6:117641030-117641193	100%
37	chr6:117639350-117639415	100%

Click on the target exon to bring up the Target Exon Report

View Coverage in Genome Browsers - IGV

- If you don't already have IGV on your computer, download and install the program.
- IGV: <http://www.broadinstitute.org/software/igv/download>
- IGV User guide: <http://www.broadinstitute.org/igv/UserGuide>
- IGV compatible .bed files pertaining to your design may be downloaded by clicking any of the .bed files present at the bottom of the design report.

DESIGN DOWNLOADS

Project created July 10, 2015

[Download all as .zip](#)

primers_gsp1.bed		primers_primer_regions.bed		primers_gsp2_coverage.bed	
primers_targets.bed		primers_gsp2.bed		primers.gtf	

- Upload .bed files in IGV to view coverage

File name	Description
primers_targets.bed	Position of the chosen target exons.
primers_gsp1.bed	Position of the first PCR gene specific



	primer.
primers_gsp2.bed	Position of the second PCR gene specific primer. Also, the Starting position of the amplicon
primers_gsp2_coverage.bed	The projected coverage resulting from the gene specific primer pair amplification.

Additional Files

primers.gtf	A GTF formatted file, containing information necessary to analyze sample results with the Archer™ Analysis Pipeline.
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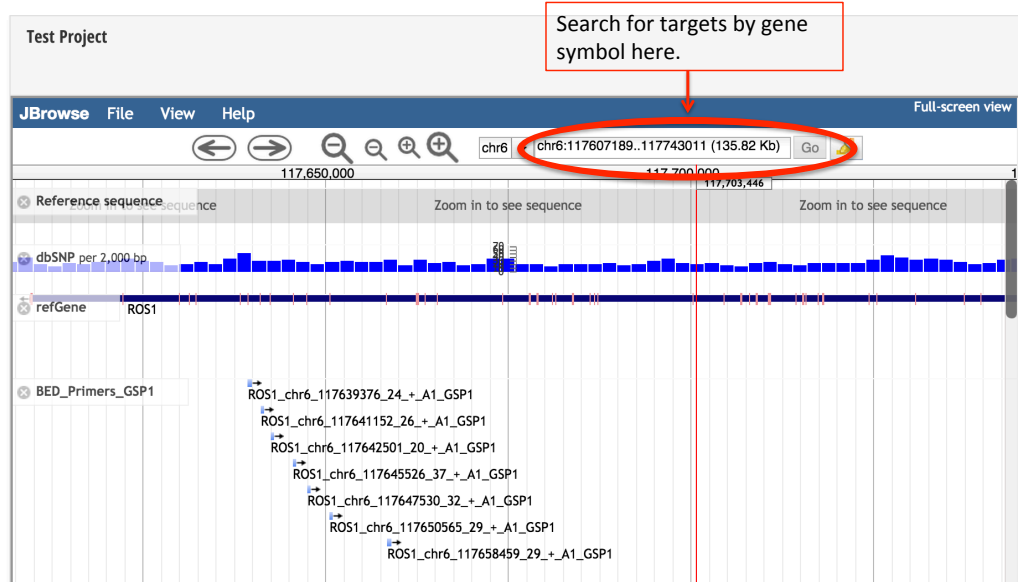
- Alternatively you can open our Genome Browser containing the .bed files by clicking on [Visualize Results](#).

The screenshot shows the Archer Assay Designer interface. At the top, there is a navigation bar with the Archer logo and a user profile 'Test User'. Below this, there are two tabs: 'Modify Design' and 'Design Report', with 'Design Report' being the active tab. The main content area is titled 'Test Project RNA Design Report' and features a green 'Assay Ready' status indicator. Below the status, there are three buttons: 'Visualize Results' (circled in red), 'download Target File', and a price tag '\$805.37'. Underneath the buttons, a summary box displays 'Overall Coverage: 100%' and 'Total Targets: 21'. At the bottom, there is a table with the following data:

Coverage	Gene Symbol	Accession	Genomic Location	Direction	Assay Type	Target Exons	Include UTR
100%	ROS1	NM_002944	chr6:117609529-117747018	5'	fusion	31, 32, 33, 34, 35, 36, 37	No
100%	ALK	NM_004304	chr2:29415639-30144477	5'	fusion	19, 20, 21, 22, 23, 24	No
100%	RET	NM_020975	chr10:43572516-43625797	5'	fusion	8, 9, 10, 11, 12, 13, 14	No
100%	ALK	NM_004304	chr2:29415639-30144477	3'	fusion	25	No

This link will bring up a searchable window containing the .bed files

Genome Browser

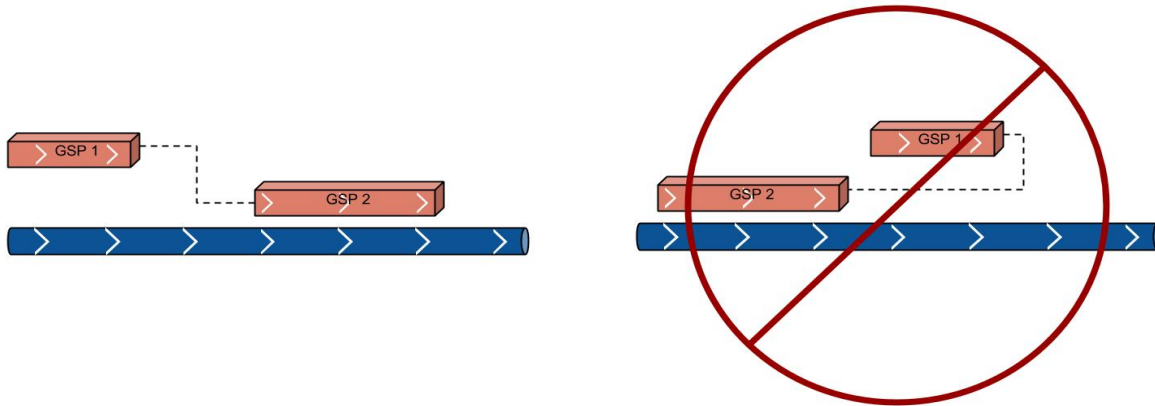


View Coverage – What to Look For

- NOTE: This section is relevant to RNA fusion designs ONLY

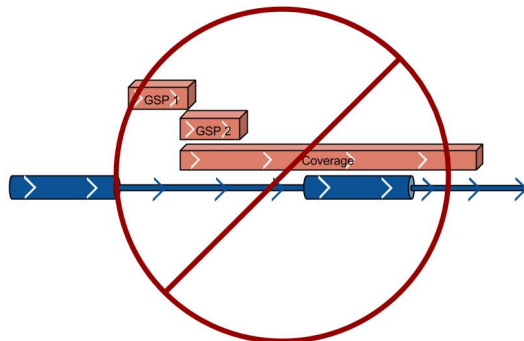
Nested Primers:

- The GSP2 should always be located (nested) inside of the GSP1



Exons Only:

- Primers should be positioned only on exons



Correct

- Ensure that

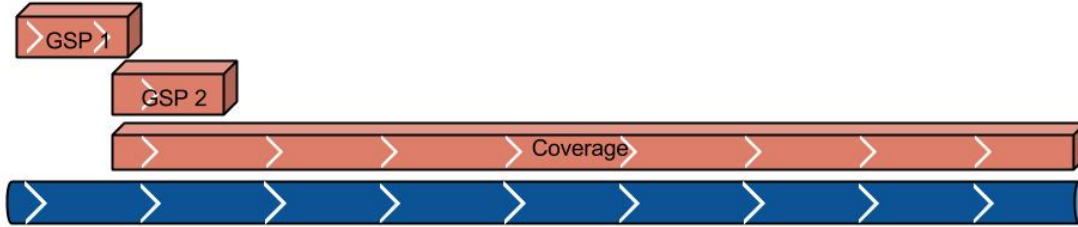
Directionality:

GSP1, GSP2, and

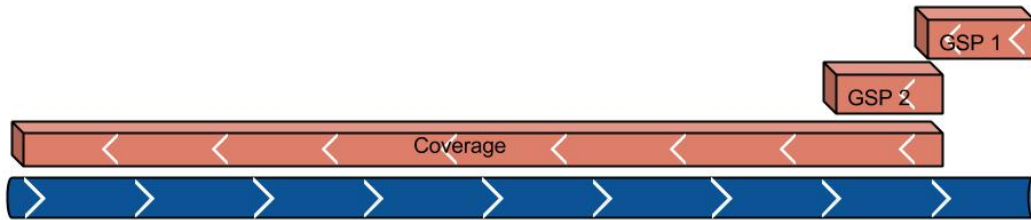


the Coverage direction all match the direction specified in the design.

3' Directionality:



5' Directionality:



Junction Coverage

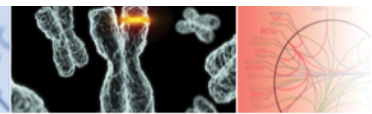
- Ensure that primer coverage extends through exon-exon junctions of all exons specified in design.



Ordering Your Assay

- “Order Assay” is accessible at two locations in the Assay Designer.

1. From the Assay Design Dashboard



ARCHER Test User

Create New Project

Project	Created	Molecule	Status	Design Report	Price
Test Project	Jul 09 2015	RNA	Assay Ready	Design Report	\$805.37

Click on the box to order your design.

2. From the Design Report

Test Project RNA Design Report

Assay Ready

Visualize Results Download Target File \$805.37

Click on the box to order your design.

Overall Coverage: 100% Total Targets: 21

Coverage	Gene Symbol	Accession	Genomic Location	Direction	Assay Type	Target Exons	Include UTR
100%	ROS1	NM_002944	chr6:117609529-117747018	5'	fusion	31, 32, 33, 34, 35, 36, 37	No
100%	ALK	NM_004304	chr2:29415639-30144477	5'	fusion	19, 20, 21, 22, 23, 24	No
100%	RET	NM_020975	chr10:43572516-43625797	5'	fusion	8, 9, 10, 11, 12, 13, 14	No
100%	ALK	NM_004304	chr2:29415639-30144477	3'	fusion	25	No

Coverage Key



Complete Order Information

- Fill out the following fields and click **Request Quote** when done.

THANK YOU FOR DESIGNING "TEST PROJECT"

After submitting this quote request, a sales representative will reach out to discuss the details of your order. Please note that in addition to your custom assay, you will need a [Universal RNA Reagent Kit](#) and [platform-specific MBC adapters](#) in order to perform this experiment. Both items are available at the [ArcherDX product page](#).

Custom Assay	Quantity	Price Total
21 targets x 24 reactions	1	\$805.37

Company*

Phone*

Remember contact information for future quotes?

Shipping Address

Street*

Street2

City*

State

Select Other for non US address.

Postal code*

Country*

Billing Address

Street

Street2

City

State

Select Other for non US address.

Postal code

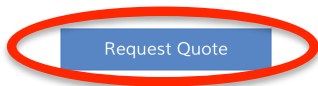
Country

Same as shipping

ArcherDX, Inc.
 Purchase Terms
 Last Updated: March 5, 2015

1. Acceptance of Purchase Terms.
 These Purchase Terms (the "Purchase Terms of Use") apply to product orders placed through the ArcherDX, Inc. ("ArcherDX") web site located at www.ArcherDX.com (the "Site"). The Site is the property of ArcherDX and its licensors. BY PLACING AN ORDER, YOU AGREE TO THESE PURCHASE TERMS; IF YOU DO NOT AGREE, DO NOT PLACE YOUR ORDER.

By checking this box I acknowledge I have read and accepted the terms of this agreement.



After requesting a quote, your project will be locked against further modifications. You may, however, clone the project and continue making changes to the clone.

- A confirmation message is displayed if the ordering information was entered correctly.



Thank you!

We have received your quote request for
Project #640 – "Test Project".

A sales representative will be in touch shortly. Please note that in addition to the assay you've designed, you will also need a **Universal RNA Reagent Kit** and **platform-specific MBC adapters** in order to perform this experiment. Both items are available at the **ArcherDX product page**.

- **NOTE:** Unless you have already been given an order number, you must contact orders@archerdx.com and provide payment information before the order is processed.



FAQs

URL: <http://archerdx.com/faqs>

Associated Products

P/N	Product Description
AK0040-8	Archer™ Universal RNA Reagent Kit for Illumina®
AK0042-8	Archer™ Universal RNA Reagent Kit for Ion Torrent™
AK0037-8	Archer™ Universal DNA Reagent Kit for Illumina®
N/A	Archer™ Analysis Pipeline - http://analysis.archerdx.com

URL: <http://archerdx.com/>

Limitations of Use

For Research Use Only. Not for use in diagnostic procedures.

This product was developed, manufactured, and sold for in vitro use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.

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For more information please visit <http://www.archerdx.com>



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