# service-ars documentation

Release 0.1

Michael Halagan

January 18, 2017

#### Contents

1	Getti	ng started	1
	1.1	Overview	1
	1.2	RESTful Interface	1
	1.3	Contributing	2
	1.4	Installation	3
	1.5	Docker	3

## **Getting started**

### **1.1 Overview**

## 1.2 RESTful Interface

#### **1.2.1 Parameters**

- IMGT/DB
- Glstring
- ARS Type
- MAC Url
- Expand Genotypes
- Expand Genomic Typing

#### 1.2.2 Convert HLA Typing

#### 1.2.3 Convert Subject Typing

#### 1.2.4 Get ARS Data

```
./nextflow run nmdp-bioinformatics/flow-blast-hml -with-docker \
    nmdpbioinformatics/docker-blast-hml \
    --hml test_file.hml --outdir /path/to/output/dir
```

## **1.3 Contributing**

- 1. Log into Github web interface with your username-nmdp account
- 2. Browse to the repo at https://github.com/nmdp-bioinformatics/flow-blast-hml, hit the Fork button.
- 3. Copy the clone URL from the Github web page for the fork (something like https://github.com/usernamenmdp/pipeline.git)
- 4. Clone the fork

```
git clone https://github.com/username-nmdp/flow-blast-hml.git
cd flow-blast-hml
```

#### 5. Add upstream as remote

git remote add upstream https://github.com/nmdp-bioinformatics/flow-blast-hml

6. Pull and merge latest changes from upstream master to your local master branch

```
git checkout master
git pull upstream master
git push
```

#### 7. Create a new local feature branch

```
git checkout -b new-feature-branch
```

- 8. Edit files locally
- 9. Commit changes to local feature branch

git commit -m "made changes"

10. Push changes from local feature branch to remote feature branch on your fork

git push origin new-feature-branch

- 11. Browse to the Github web page for your fork repo (something like https://github.com/username-nmdp/flowblast-hml) and hit the new pull request button.
- 12. Edit the pull request description and hit create new pull request button.
- 13. Other contributors will review the changes in the pull request.
- 14. When the pull request looks good, it will be merged into the master branch.
- 15. Hit the delete branch button to delete your remote feature branch (the commits have been merge upstream, so it is no longer necessary).
- 16. Delete your local feature branch

git branch -d new-feature-branch

# 1.4 Installation

# 1.5 Docker