

# SHARCO

SHARKA CONTAINMENT IN VIEW OF EU-EXPANSION



# ***Plum pox virus*** **Database**

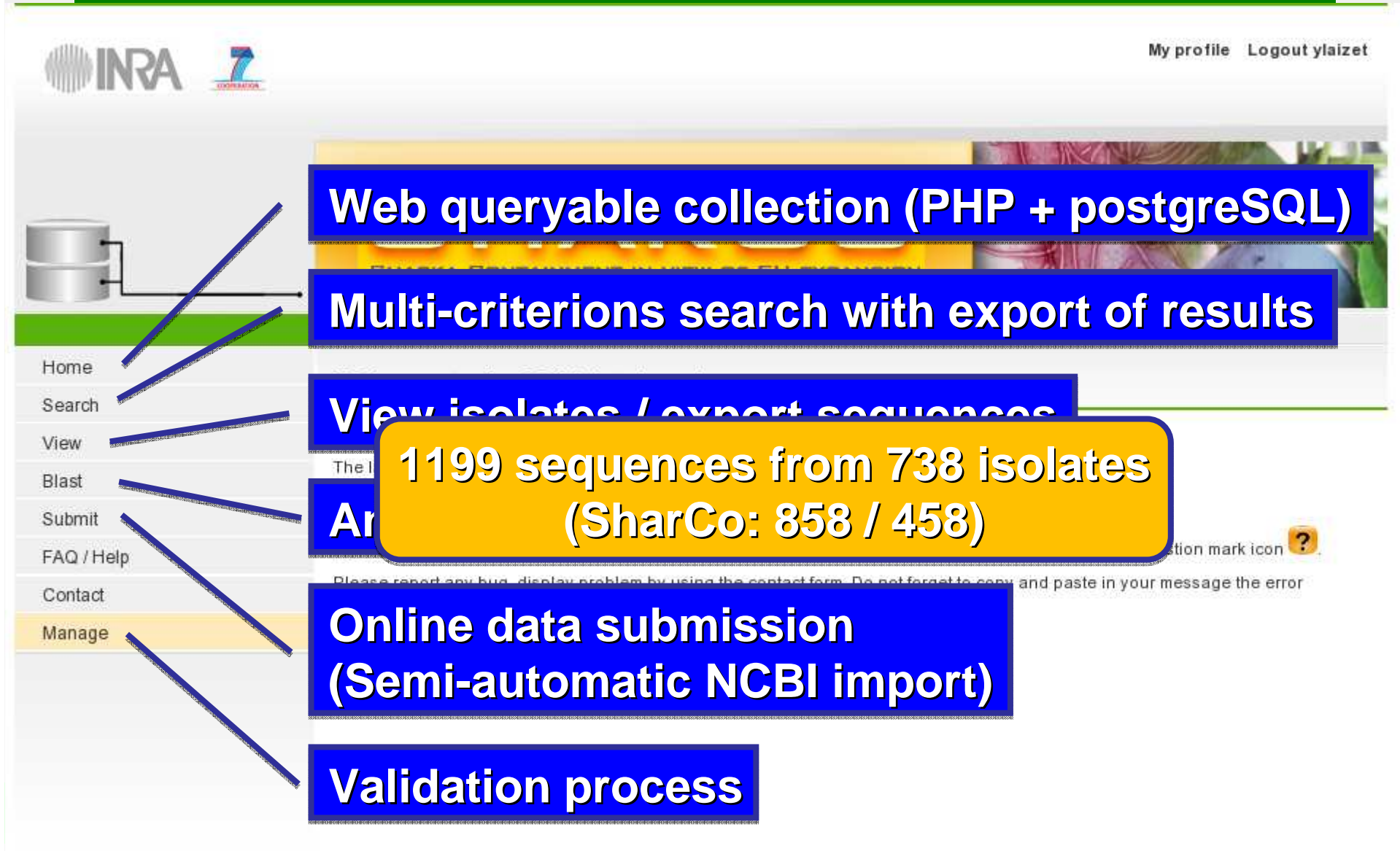
**<http://w3.pierroton.inra.fr:8060>**

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Project part-financed by the European Community's Seven Framework Programme (FP7/2007-2013) under Grant Agreement n°204429.

# Main features



The screenshot shows the INRA website interface. At the top left is the INRA logo and a small '7' logo. At the top right are links for 'My profile' and 'Logout ylaizet'. On the left side is a vertical navigation menu with items: Home, Search, View, Blast, Submit, FAQ / Help, Contact, and Manage. The 'Manage' item is highlighted in yellow. In the center, there is a database icon (cylinder) with a line pointing to the 'Web queryable collection' callout. Below the navigation menu, there are several callout boxes with blue backgrounds and white text, connected to the website by blue lines. These callouts highlight specific features: 'Web queryable collection (PHP + postgreSQL)', 'Multi-criterions search with export of results', 'View isolates / export sequences', '1199 sequences from 738 isolates (SharCo: 858 / 458)', 'Online data submission (Semi-automatic NCBI import)', and 'Validation process'. The background of the website shows a blurred image of a person's face.

My profile Logout ylaizet

Home Search View Blast Submit FAQ / Help Contact Manage

Web queryable collection (PHP + postgreSQL)

Multi-criterions search with export of results

View isolates / export sequences

1199 sequences from 738 isolates  
(SharCo: 858 / 458)

Online data submission  
(Semi-automatic NCBI import)

Validation process

# Isolate data

[SharCo](#) > [Plum Pox Virus database](#) > View isolate

View isolate [Isolate](#) | [Geographic origin](#) | [Host](#) | [Experimentators](#) | [Diagnostic](#) | [Typing](#) | [Sequences](#)

Enter an isolate code:   

## Isolate

Isolate code: RS-300pe  
Other name: o6  
Date of sampling: 1990-06-01  
Strain confirmed: Recombinant (Rec)

## Geographic origin

Country: Serbia  
Region/State:  
City: Cacak [Map](#)  
Site, parcel, proprietary:  
GPS position:  
Description of locality: Intensive orchard

## Host

Specie: Prunus persica (Peach)  
Cultivar: Unknown  
Type: Cultivated  
Rootstock:  
Age:  
Symptoms on original host:  
Comments: original isolate name: o6 (provided by Dr. J. A. Garcia)

## Experimentators

Collecting: Institute of Virology, Department of Plant Virology  
Analysing: Institute of Virology, Department of Plant Virology

Identifiers

Experimentators

Diagnostic  
and  
Typing methods

Sequence(s)

# Sequence data

[Home](#)  
[Search](#)  
[View](#)  
[Blast](#)  
[Submit](#)  
[FAQ / Help](#)  
[Contact](#)  
[Manage](#)

[SharCo](#) > [Plum Pox Virus database](#) > View sequence

**View sequence** [Chromato files](#) | [Sequence](#)

ID: 148 [Blast](#)

Sequence regions: Full-5'-P1-HCPro-P3-6K1-CI-6K2-VPg-Nla-NIb-CP-3'

Accession: [GU474956](#) [Blast](#)

GI: [294769534](#)

Length: 9784

Submission date: 2009-12-21 11:02:13

**Isolate details**

Isolate code: [RS-300pe](#)

Strain confirmed: Recombinant (Rec)

Country: Serbia

Host: Peach

**Chromato files:**

**Sequence**

[Export fasta](#)

>148 | [RS-300pe](#) | [GU474956](#) | [Rec](#) | [Full](#) | [Peach](#) | [Serbia](#) | 9784 [Select +](#)

aaaatataaaaaactcaacacaacatacaaaattttatgcgatcaaatacaaa  
tctcaagctatcaaaatttttcaaatctcacttgaaagatcaaaaa  
caaagaacatttcctcaatttttctaccaaatttactgcaagtcaag  
caaccatttatatttgaactcattcacttaccacctcaatcaactat

[Select](#)

Sequence details

Related isolate

Chromatograms

Sequence



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# Submission / validation

SharCo > Plum Pox Virus database > Submit > SharCo isolate

Home  
Search  
View  
Blast  
Submit  
FAQ / Help  
Contact  
Manage

## Submit SHARCO isolate

Isolate | Experimentator | Sequences

(\*) Mandatory fields

### Isolate

Isolate code: \*  ? Check: ?

Date of sampling: \* - - - - - ?

Other name:  ?

### Experimentators

Collecting: Plant-Virus Interactions - UMR GDPP INRA-Bordeaux 2

Analysing: Plant-Virus Interactions - UMR GDPP INRA-Bordeaux 2

### Geographic origin

Country: \* -

Region / State: \* - ?

City: \*  ?

Site:

GPS:

Description

☐ Intensive orchard

☐ Abandoned orchard

**Mandatory fields**

**Helpers**

**Release in database if validation process successful**

# View isolate / sequence

SharCo > Plum Pox Virus database > View

**View**

**Isolate**

Enter an isolate code:

**Sequence**

Enter a sequence id:

or

Enter an accession:

**Isolate code**

**Sequence identifier**

**Sequence accession**



# Search database

SharCo > Plum Pox Virus database > Search

## Search

Select searching criterions by clicking checkboxes. If none is selected, all sequences will be returned. ?

☐ NCBI imported sequences

☐ Exclude NCBI sequences

☐ Strains (confirmed)

☐ Ambiguous (am)

☐ Cherry (C)

☐ Dideron (D)

☐ El Amor (EA)

☐ El Amor (EA)

☐ El Amor (EA)

☐ Turkey (TK)

☐ Undetermined (un)

☐ Winona (W)

☐ Localities

☐ Intensive orchard

☐ Abandoned orchard

☐ Nursery

☐ Close vicinity of orchard

☐ Sanitary tree

☐ Other

☐ Sequence regions

☐ Full

☐ 5'

☐ P1

☐ HCPro

☐ P3

☐ 6K1

☐ CI

☐ 6K2

☐ VPg

☐ NIa

☐ Host types

☐ Cultivated

☐ Ornamental

☐ Wild

☐ Unknown

☐ Hosts

☐ Prunus armeniaca (Apricot) (ap)

☐ Prunus avium (Sweet cherry) (sw)

☐ Prunus cerasifera (Myrobalan) (my)

☐ Prunus cerasus (Sour cherry) (sc)

☐ Countries

☐ Albania

☐ Argentina

☐ Austria

☐ Belarus

☐ Bosnia and Herzegovina

☐ Bulgaria

☐ Croatia

☐ Cyprus

☐ Czech Republic

☐ Egypt

☐ France

☐ Germany

☐ Greece

☐ Hungary

☐ Italy

☐ Japan

☐ Kazakhstan

☐ Latvia

☐ Macedonia

☐ Moldova Republic of

Easy multiple criterion search



# Search Results

SharCo > Plum Pox Virus database > Search > Results

**Query:**  
strains : [ Dideron (D) ] + countries : [ France ] + hosts : [ Prunus persica (Peach) (pe) ] + sequenceTags : [ P3, 6K1 ]

**Results:**  
Sequences 1-7 of 7 (7 isolates). Show: All ▾

[Plot on map](#) [Statistics](#) [Export fasta](#) [?](#)

<input type="checkbox"/>	Isolate code	Strain (confirmed)	Location description	Host type	Host	Sequence ID	Sequence regions	Length
<input type="checkbox"/>	1: FR-12pe	Dideron (D)	Intensive orchard	Cultivated	Peach	461	P3-6K1-CI	794
<input type="checkbox"/>	2: FR-13pe	Dideron (D)						
<input type="checkbox"/>	3: FR-14pe	Dideron (D)						
<input type="checkbox"/>	4: FR-36pe	Dideron (D)						
<input type="checkbox"/>	5: FR-52pe	Dideron (D)	Intensive orchard	Cultivated	Peach	401	P3-6K1-CI	794
<input type="checkbox"/>	6: FR-1009pe	Dideron (D)	Unknown	Cultivated	Peach	609	P3-6K1-CI	836
<input type="checkbox"/>	7: FR-1010pe	Dideron (D)	Unknown	Cultivated	Peach	610	P3-6K1-CI	836

[Plot on map](#) [Statistics](#) [Export fasta](#) [?](#)

Sortable columns

Links to isolates / sequences

Subset selection

Apply tools on selection



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# Tool: Plot on map

Search

View

Blast

Submit

FAQ / Help

Contact

Manage

Map isolates

map

IT-19pe  
BG-300pl  
SK-300pl  
RS-300pe  
SK-23pe  
armstadt

Plan

Satellite

Mixte

IT-19pe  
Marcus (M)  
Peach (pe)  
Pescantina

100 mi

200 km

©2010 Europa Technologies. PPWK. Tele Atlas. Transnavicom. Conduite de la carte

Map isolates

IT-19pe  
BG-300pl  
SK-300pl  
RS-300pe  
SK-23pe  
armstadt

# Tool: Basic statistics

[Home](#)  
[Search](#)  
[View](#)  
[Blast](#)  
[Submit](#)  
[FAQ / Help](#)  
[Contact](#)  
[Manage](#)

SharCo > [Plum Pox Virus database](#) > Statistics

Statistics

Basic statistics of the selected items (94 sequences from 93 isolates) from your search results (all items are used for calculation if no selection).

[Download](#) [Select tables](#) ?

**Strains**

Strains	% of isolates	Nb
Dideron (D)	28.0	26
Marcus (M)	72.0	67

**Hosts**

Hosts	% of isolates	Nb
Prunus domestica (Plum)	26.9	25
Prunus persica (Peach)	73.1	68

**Countries**

Countries	% of isolates	Nb
France	60.2	56
Slovakia	39.8	37

**Sequence types**

Sequence types	% of sequences	Nb
Full-5'-P1-HCPro-P3-6K1-CI-6K2-VPg-NIa-NIb-CP-3'	2.1	2
P3-6K1-CI	97.9	92

Download csv file

# Tool: Download sequence

[Home](#)  
[Search](#)  
[View](#)  
[Blast](#)  
[Submit](#)  
[FAQ / Help](#)  
[Contact](#)  
[Manage](#)

SharCo > Plum Pox Virus database > Export fasta

Export Fasta

Default fasta title: ID, Isolate code, Accession, Strain (confirmed), Sequence regions, Host, Country, Length.

Customize fasta title:

-- Parameter --  
Isolate code  
-- Parameter --  
-- Parameter --  
Accession

Sequences

Download Select sequence(s)

>FR-1010pe | A5357545  
ttatctccaggagttgagcaagcttggaagagttaagctggtcggaa  
aattctctgcaatcttggatcgagcggtggcgaaaacatataccaaa  
cctttcatccgaaagacggcgagatttaggaggcaggtacgacatctc  
cgttcggtcattacttggcaaccagtacaaacgcctgagagacgtagtc  
gacggaaaagagacgatgtggtttgctatacac  
ctattttgcaaagccatcggaatttcacattt  
taaaatgcttgacatgctcatcggttccggtctc  
ccacatgcaactcaatgatcaatgagcataaacatcttaagcaacttgc  
gccgatcggaagataagaaaagattcaaaagattgcaagtcttatacac  
gaggttatcagagaaagtgtgtgacaccaaagcagagatgaattcctgg  
agtatgtgggaggtgaaaaccctgatttactgaaacatgcagaggatcta

Custom fasta title

Easy selection

Download fasta file





# Tool: Blast

## Blast links

Blast

Blast at NCBI

SharCo > Plum Pox Virus database > View sequence

View sequence [Chromato files](#) | [Sequence](#)

ID: 148

Sequence regions: Full-5'-P1-HCPro-P3-6K1-CI-6K2-VPg-NIa-NIb-CP-3'

Accession: [GU474956](#)

GI: [294769534](#)

Length: 9784

Submission date: 2009-12-21 11:02:13

SharCo > Plum Pox Virus database > Blast

Blast against the PPV database

Blast program

☒ blastn ☐ tblastn ☐ tblastx



Paste your sequence (fasta or raw sequence accepted):

```
>148 | RS-300pe | GU474956 | Rec | Full | Peach | Serbia | 9784
aaaatataaaaactcaacacacatacaaaaattttatgcgatcaaatcaatctcaagctatcaaaatttttcaaatctcacttgaaagatcaaaaa
tcaacaaagaacattcctcaattttctaccaaatttacgcaagtcaagatgtcaaccattgtatttggctcattcacttgccacctcgatgcag
ctatccaccaggataatgcagacagattggcaaaaggccgggacccgtccagagaaccgccaagtcagtaacgtgcattctactgtgccgaagagcgg
caaaaagtctcataaatacatatgagagtgcaacagctagtgcctggaaagggctggaggagaagtggcaacctatgtttgctaagcgagagttta
gcaaacagtcacaaagagaaaaagggcttcgggtgctttaagagagctctgagaagtttattgaaaagaaactcaggaaacagtatcaagaggagc
gtgagagattccaatttctaacggctcggatgcaatagtcaccaaatacagtttgacaaatgtgaagcttcagtacgggtgccattccctcata
```

Go

clear

## Next step...

- Once published, the database will be opened to the scientific community
- Tracking bugs
- Feedback from users

**Thank you**

<http://w3.pierroton.inra.fr:8060>

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