

## Ruby master - Bug #11714

### `include Module` affects scope of code loaded by require statements on Ruby 2.2+

11/19/2015 12:04 PM - terceiro (Antonio Terceiro)

<b>Status:</b>	Rejected		
<b>Priority:</b>	Normal		
<b>Assignee:</b>			
<b>Target version:</b>			
<b>ruby -v:</b>	ruby 2.3.0dev (2015-11-19 master 52671) [x86_64-linux]	<b>Backport:</b>	2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN

#### Description

This seems to be a regression with Ruby 2.2 and beyond, I can still reproduce this in Ruby trunk from today. Ruby 2.1 works just fine.

```
$ cat /tmp/test.rb
module MyThing
  class Date < String
    end
end
include MyThing

require 'date'
$ ruby2.1 /tmp/test.rb
$ ruby2.2 /tmp/test.rb
/usr/lib/ruby/2.2.0/rubygems/core_ext/kernel_require.rb:54:in `require': superclass mismatch for c
class Date (TypeError)
  from /usr/lib/ruby/2.2.0/rubygems/core_ext/kernel_require.rb:54:in `require'
  from /usr/lib/ruby/2.2.0/date.rb:3:in `'
  from /usr/lib/ruby/2.2.0/rubygems/core_ext/kernel_require.rb:54:in `require'
  from /usr/lib/ruby/2.2.0/rubygems/core_ext/kernel_require.rb:54:in `require'
  from /tmp/test.rb:7:in `'
[1]$ /var/tmp/ruby-trunk/bin/ruby /tmp/test.rb
/var/tmp/ruby-trunk/lib/ruby/2.3.0/rubygems/core_ext/kernel_require.rb:54:in `require': superclass
mismatch for class Date (TypeError)
  from /var/tmp/ruby-trunk/lib/ruby/2.3.0/rubygems/core_ext/kernel_require.rb:54:in `require'
  from /var/tmp/ruby-trunk/lib/ruby/2.3.0/date.rb:3:in `'
  from /var/tmp/ruby-trunk/lib/ruby/2.3.0/rubygems/core_ext/kernel_require.rb:54:in `require'
  from /var/tmp/ruby-trunk/lib/ruby/2.3.0/rubygems/core_ext/kernel_require.rb:54:in `require'
  from /tmp/test.rb:7:in `'
```

#### History

##### #1 - 11/19/2015 12:04 PM - terceiro (Antonio Terceiro)

- Subject changed from `include Module` affects code scope of code loaded by require statements on Ruby 2.2+ to `include Module` affects scope of code loaded by require statements on Ruby 2.2+

##### #2 - 12/15/2015 02:57 AM - shugo (Shugo Maeda)

- Status changed from Open to Rejected

Antonio Terceiro wrote:

This seems to be a regression with Ruby 2.2 and beyond, I can still reproduce this in Ruby trunk from today. Ruby 2.1 works just fine.

```
$ cat /tmp/test.rb
module MyThing
  class Date < String
    end
end
include MyThing

require 'date'
```

It's not a regression.

Even in Ruby 2.1, include MyThing affects date.rb, but it doesn't affect Date because ::Date is defined by RubyGems before inclusion of MyThing.

You can see the same error in Ruby 2.1 by the option --disable=gems:

```
$ ruby --disable=gems test.rb
```

Without --disable=gems, you can see that Date is not affected by inclusion of MyThing even in test.rb:

```
module MyThing
  class Date < String
    end
end
include MyThing
p Date #=> Date, not MyThing::Date
```