

Protein

(I) krtt1c1

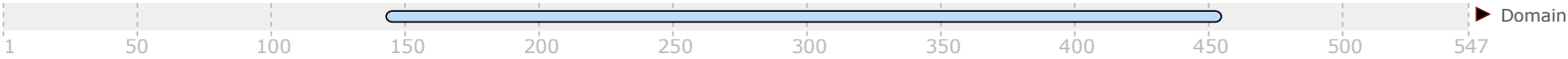
Length 547 amino acids

Protein family membership

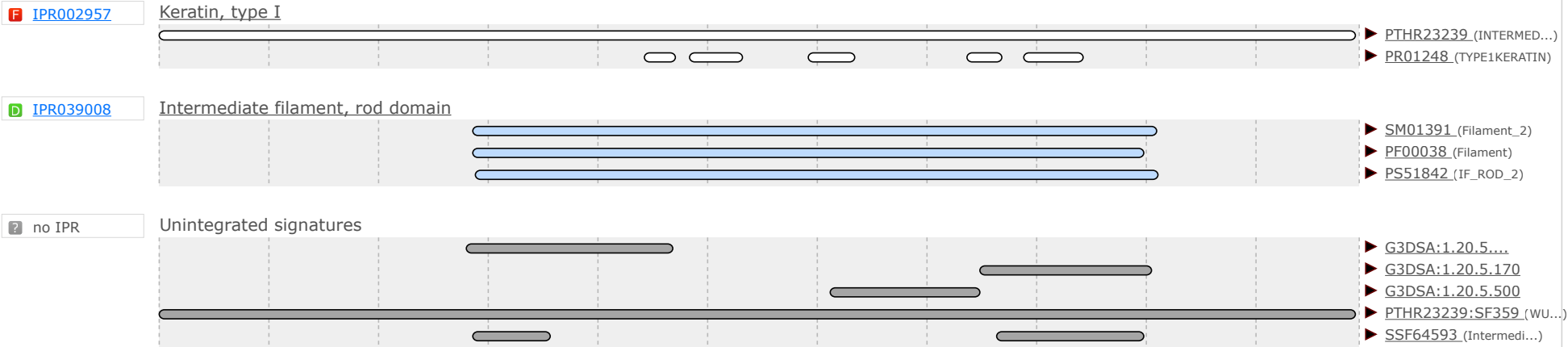
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process

None predicted.

Molecular function

[GO:0005198](#) structural molecule activity

Cellular component

None predicted.

Protein

(I) krt1-c5

Length 431 amino acids

Protein family membership

 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process

None predicted.

Molecular function

[GO:0005198](#) structural molecule activity

Cellular component

None predicted.

Protein

(I) krtt1c10

Length 428 amino acids

Protein family membership

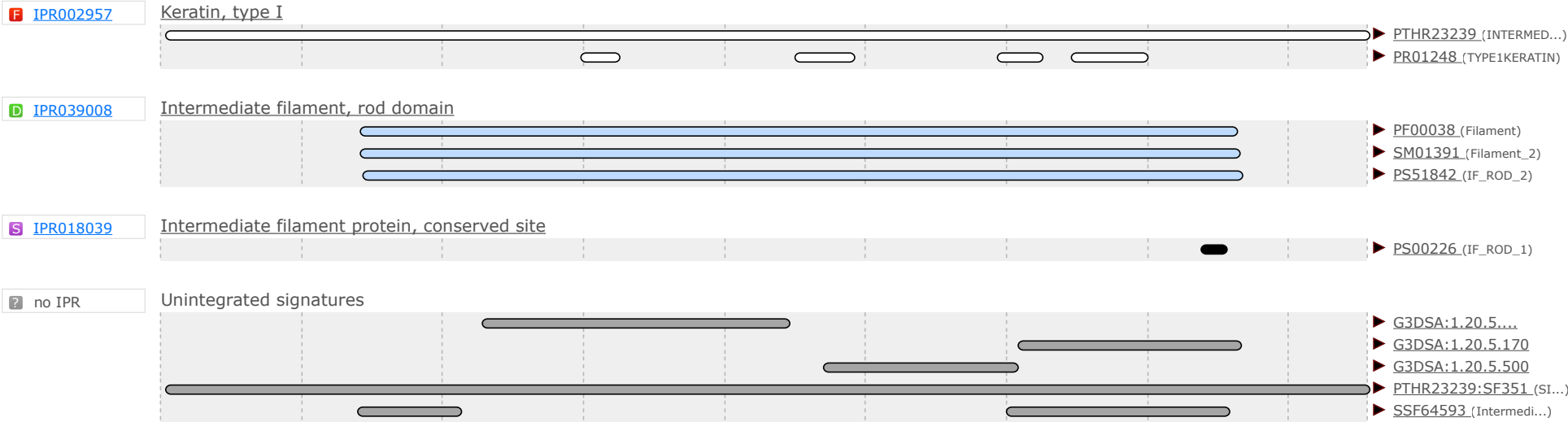
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

(I) krtt1c9

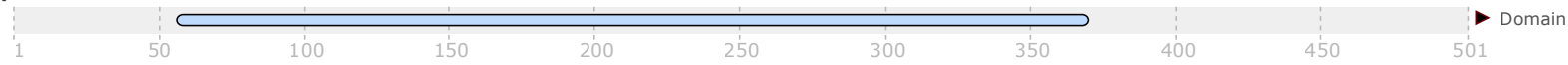
Length 501 amino acids

Protein family membership

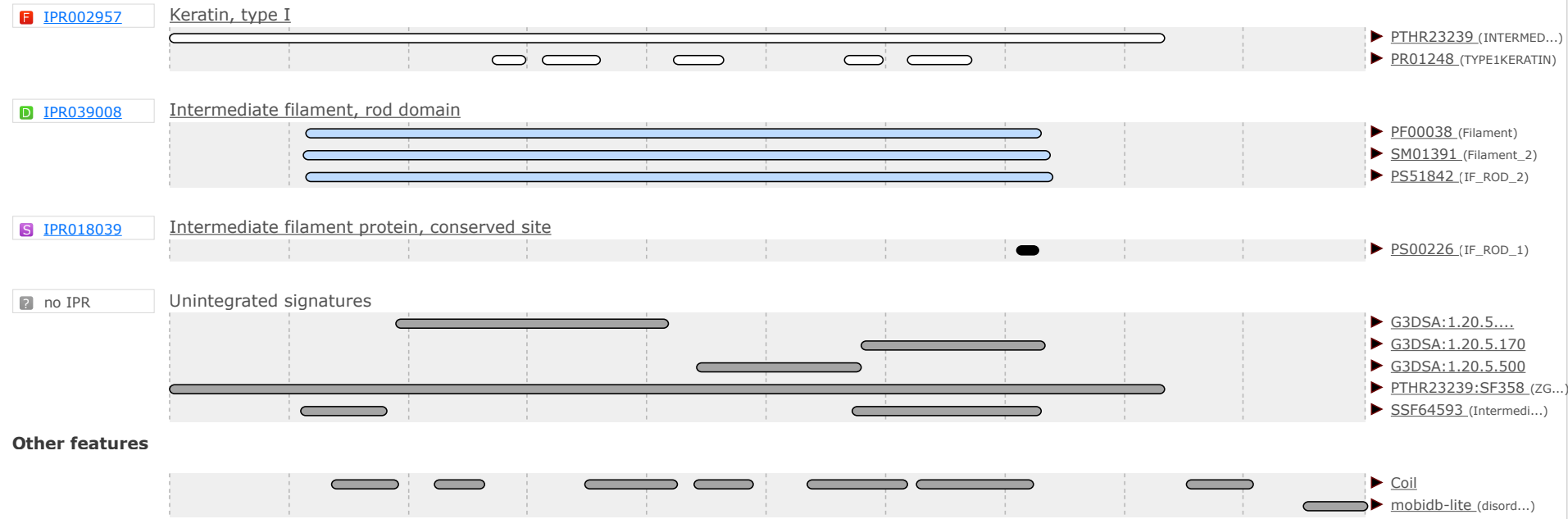
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features

GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

(I) krt18a.2

Length 423 amino acids

Protein family membership

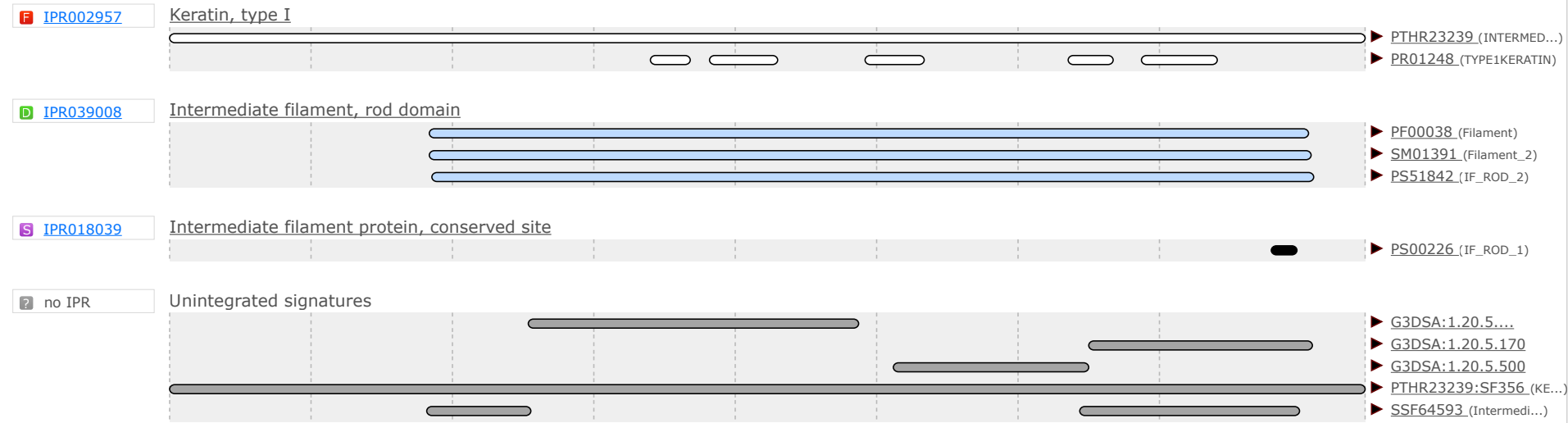
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

Protein

(I) krt18a.1

Length 431 amino acids

Protein family membership

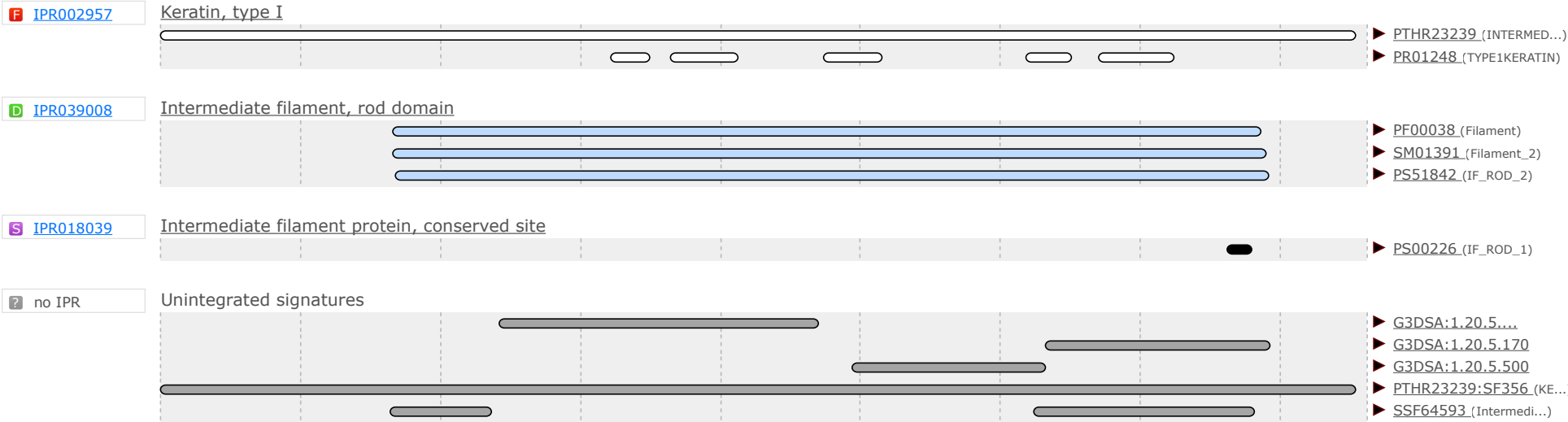
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

(I) krt18b

Length 405 amino acids

Protein family membership

- IP Keratin, type I (IPR002957)
  - IP Keratin, type I cytoskeletal 18 (IPR027695)

Homologous superfamilies none

Domains and repeats



Detailed signature matches

IP IPR002957

Keratin, type I

PTHR23239 (INTERMED...)

PR01248 (TYPE1KERATIN)

IP IPR027695

Keratin, type I cytoskeletal 18

PTHR23239:SF349 (KE...)

ID IPR039008

Intermediate filament, rod domain

SM01391 (Filament\_2)

PF00038 (Filament)

PS51842 (IF\_ROD\_2)

IS IPR018039

Intermediate filament protein, conserved site

PS00226 (IF\_ROD\_1)

? no IPR

Unintegrated signatures

G3DSA:1.20.5....

G3DSA:1.20.5.170

G3DSA:1.20.5.500

SSF64593 (Intermedi...)

Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

(I) krt99

Length 455 amino acids

Protein family membership

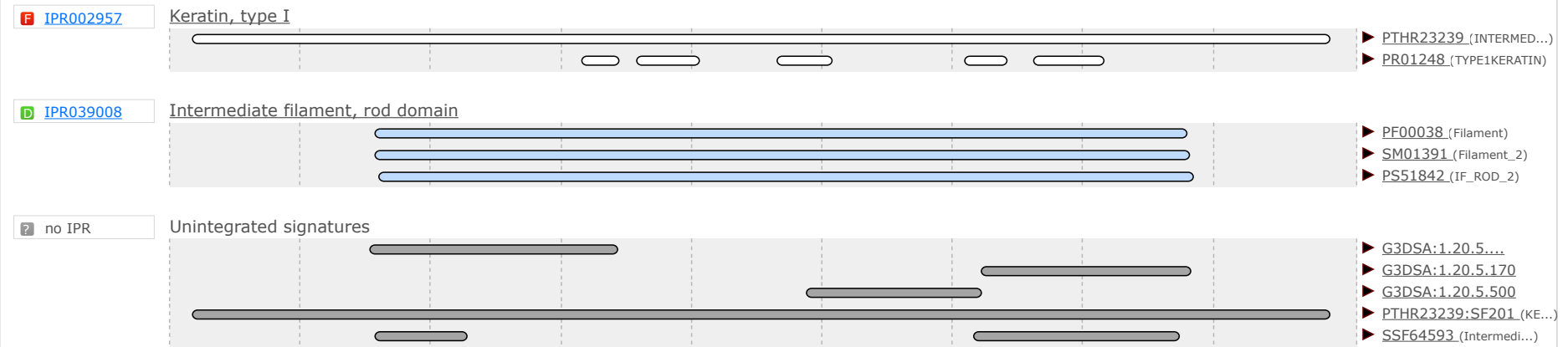
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

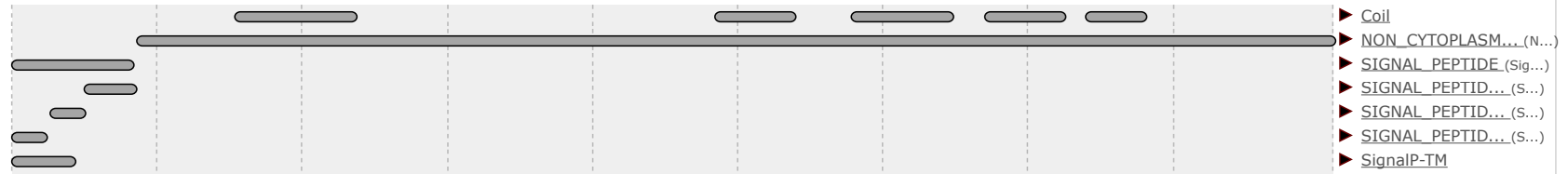
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process

None predicted.

Molecular function

[GO:0005198](#) structural molecule activity

Cellular component

None predicted.



Protein

(I) krt94

Length 431 amino acids

Protein family membership

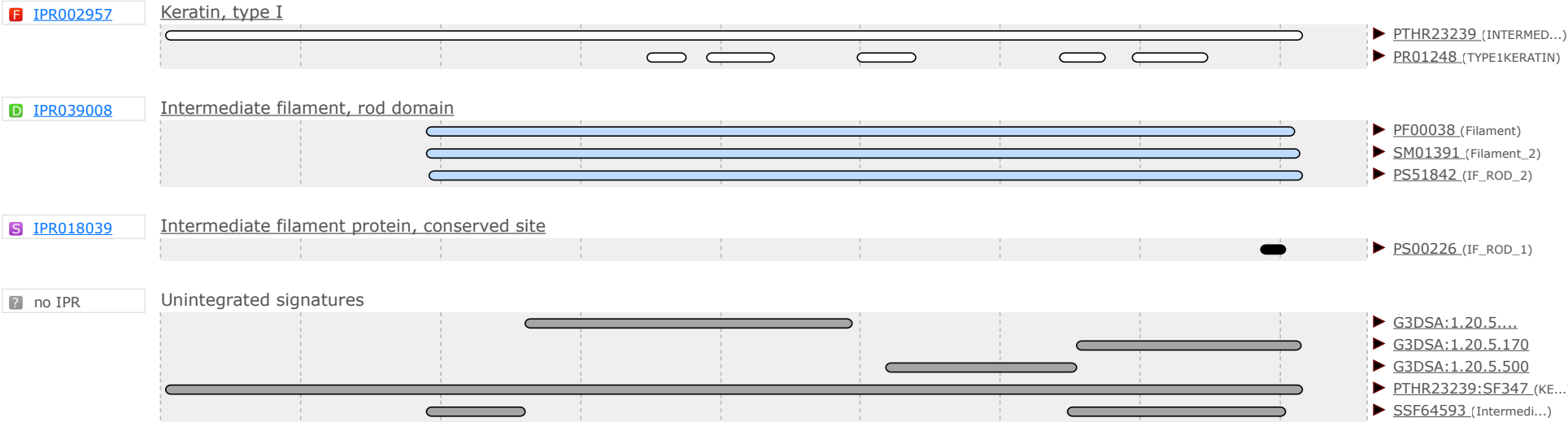
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

(I) krt93

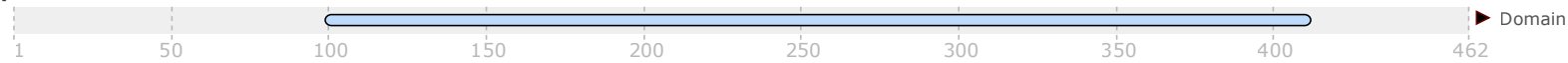
Length 462 amino acids

Protein family membership

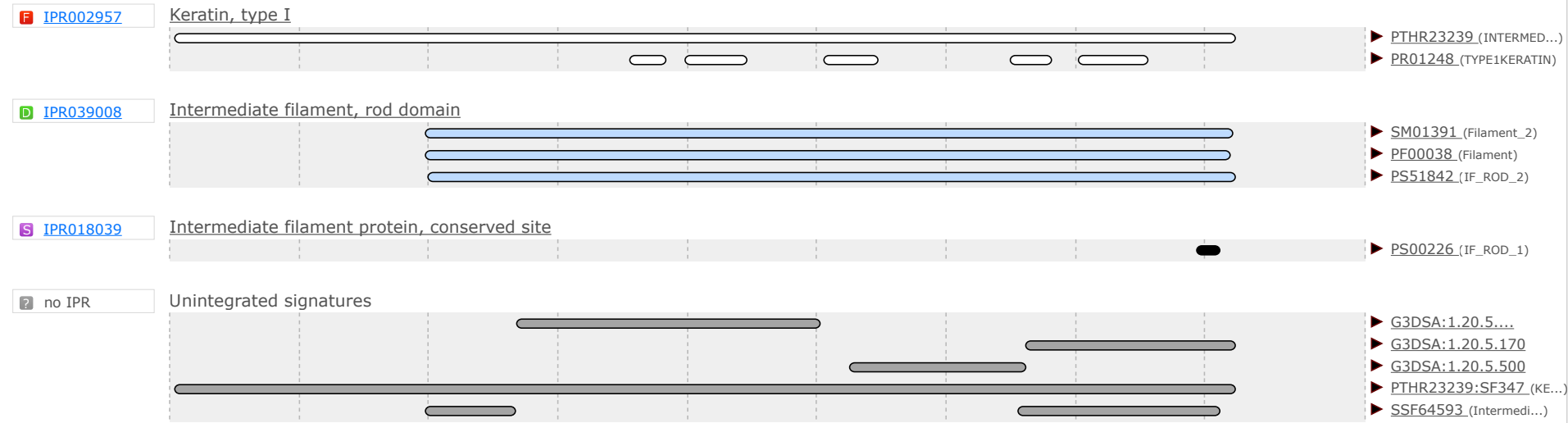
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

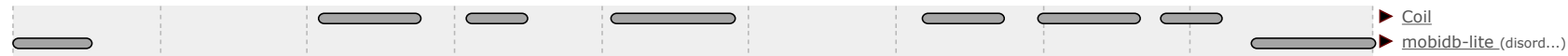
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

Protein

(I) krt95

Length 425 amino acids

Protein family membership

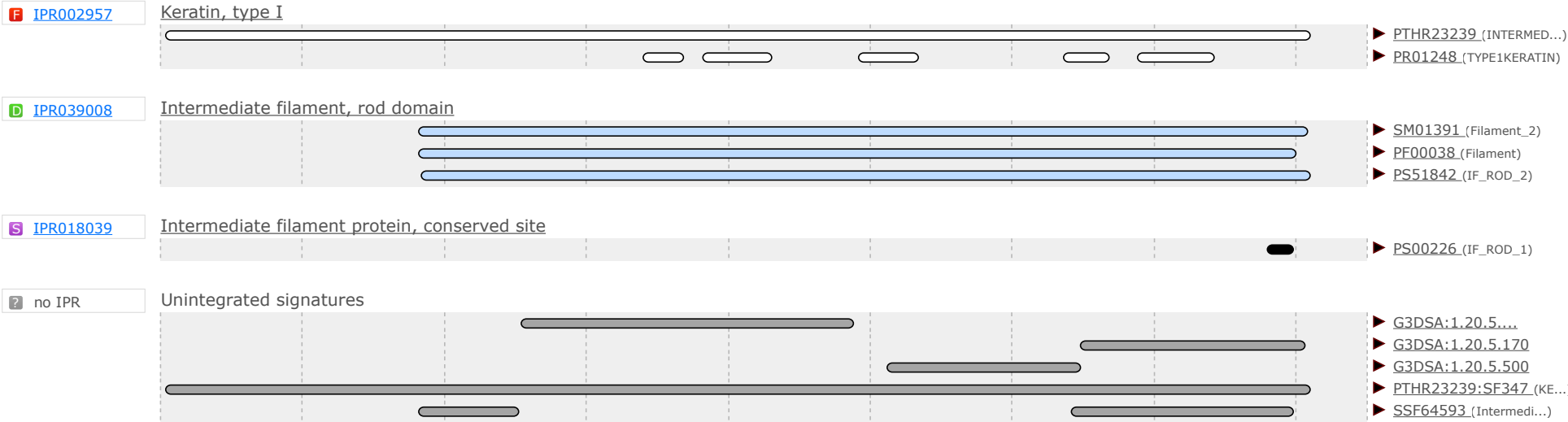
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process

None predicted.

Molecular function

[GO:0005198](#) structural molecule activity

Cellular component

None predicted.

Protein

(I) si:ch211-156l18.7

Length 365 amino acids

Protein family membership

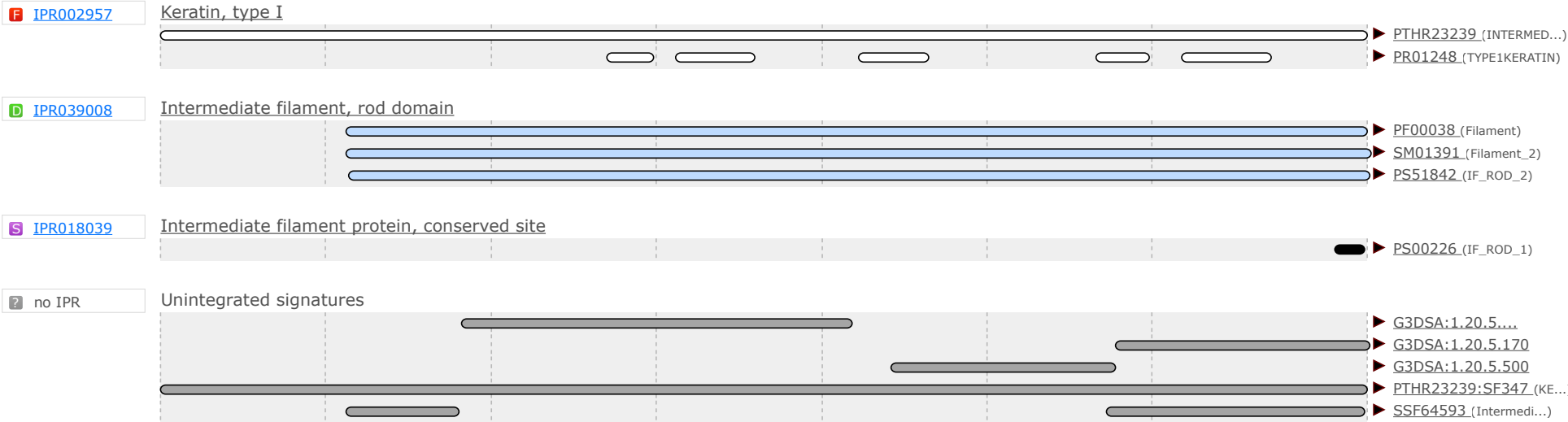
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

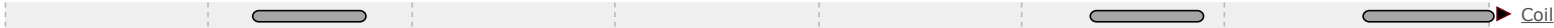
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

Protein

(I) krt98

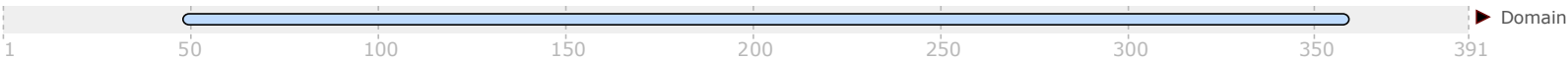
Length 391 amino acids

Protein family membership

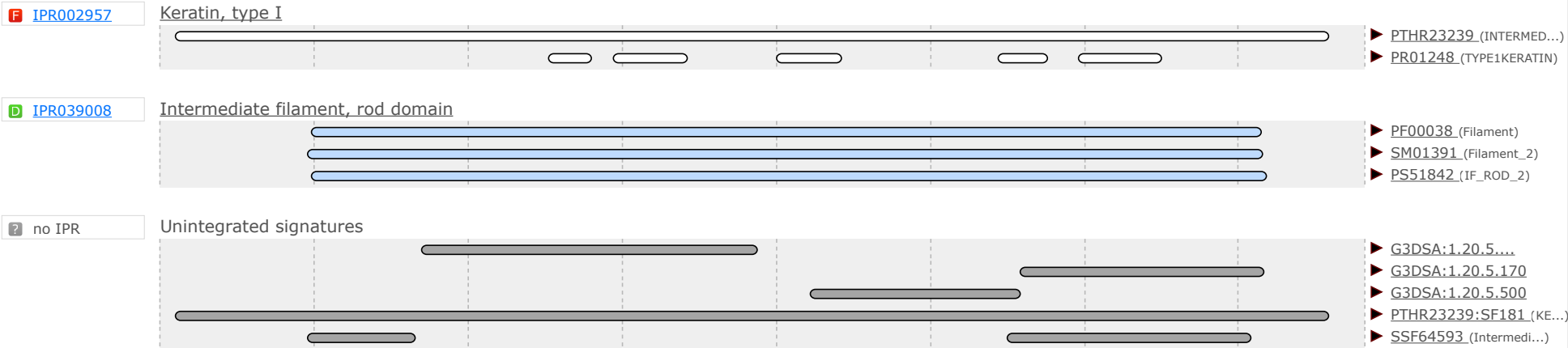
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
None predicted.

Protein

(I) krt96

Length 402 amino acids

Protein family membership

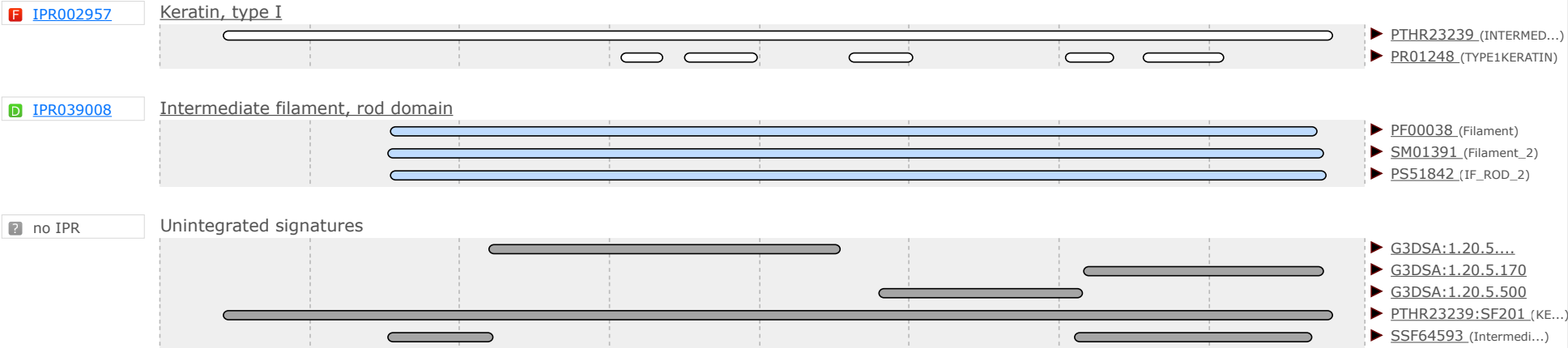
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process

None predicted.

Molecular function

[GO:0005198](#) structural molecule activity

Cellular component

None predicted.

(I) krt97

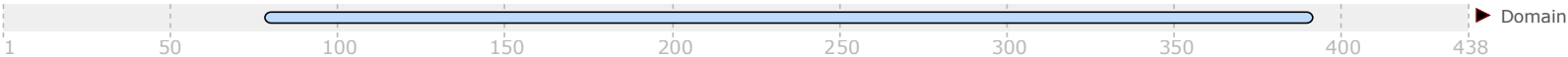
Length 438 amino acids

Protein family membership

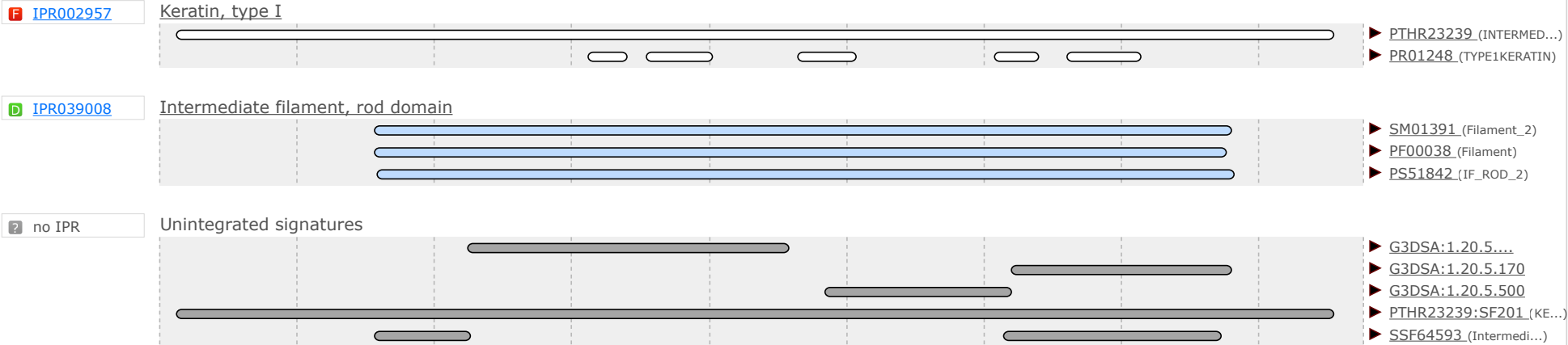
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

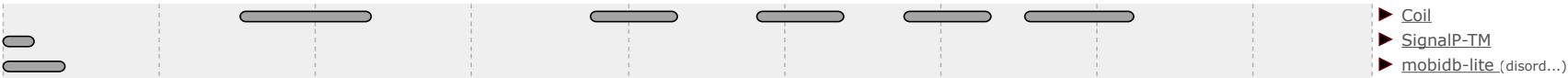
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
None predicted.

Protein

(I) krt15

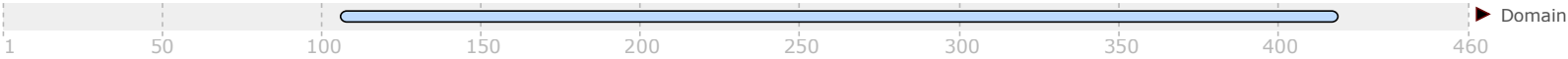
Length 460 amino acids

Protein family membership

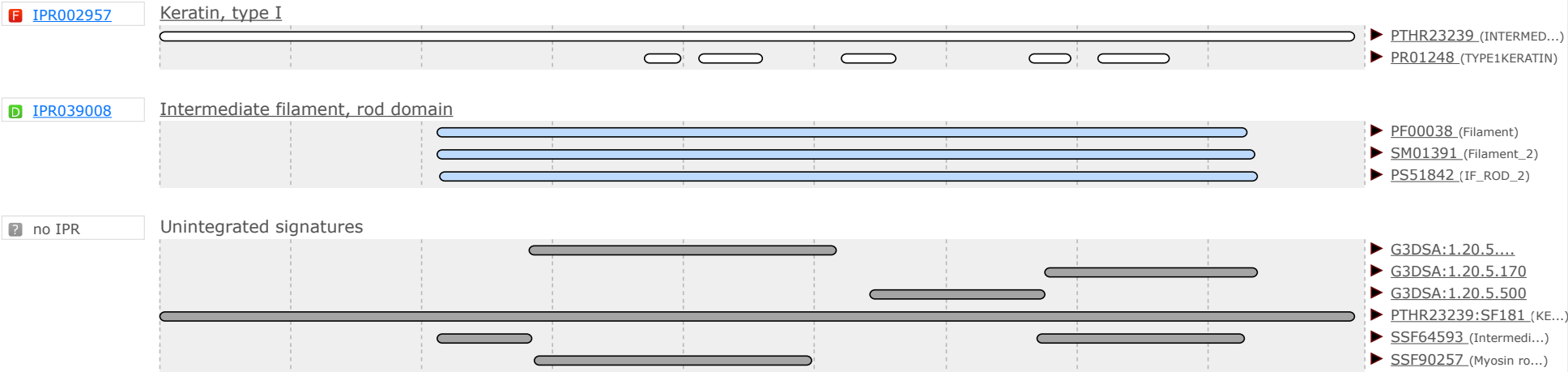
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.



Protein

(I) krt1-19d

Length 423 amino acids

Protein family membership

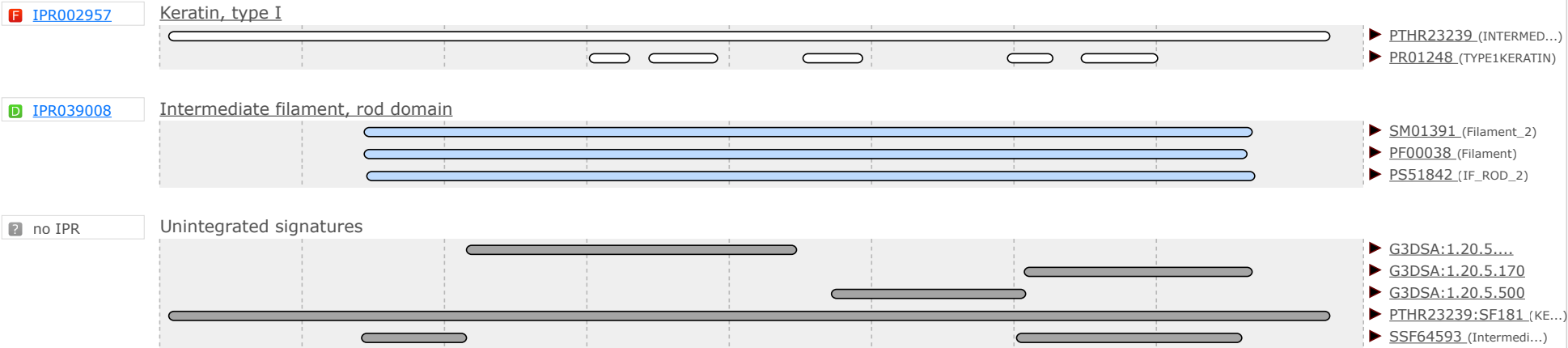
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

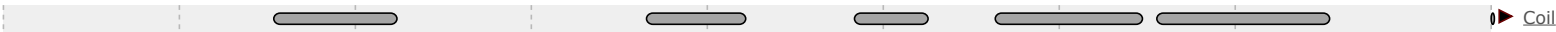
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
None predicted.

Protein

(I) krtt1c19e

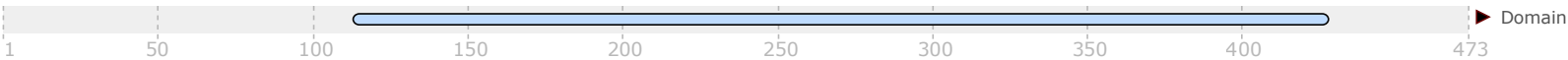
Length 473 amino acids

Protein family membership

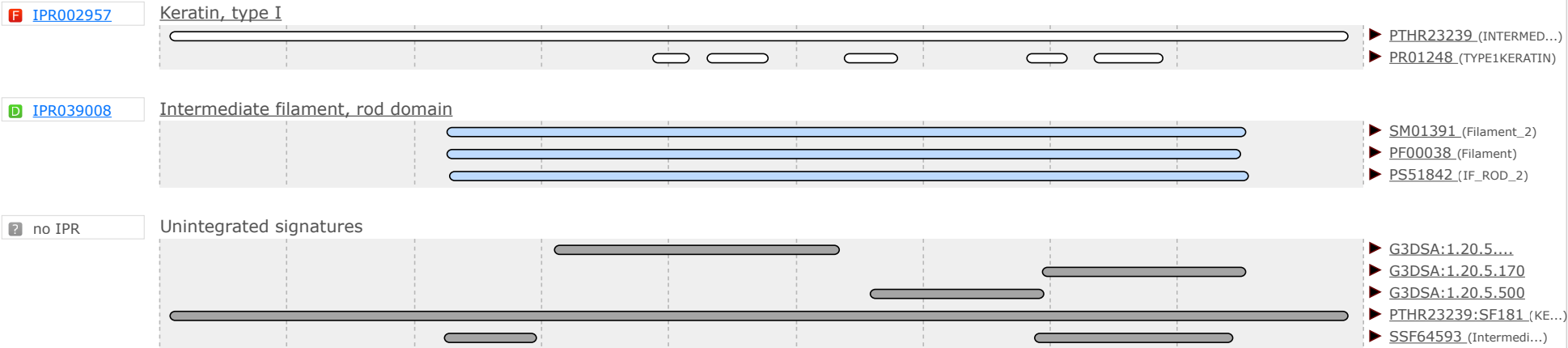
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
None predicted.

Protein

(I) krt91

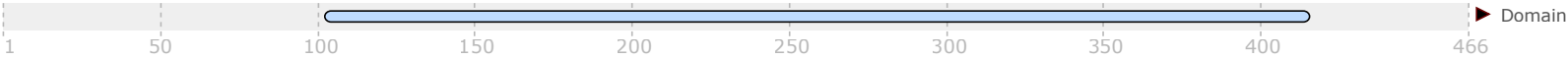
Length 466 amino acids

Protein family membership

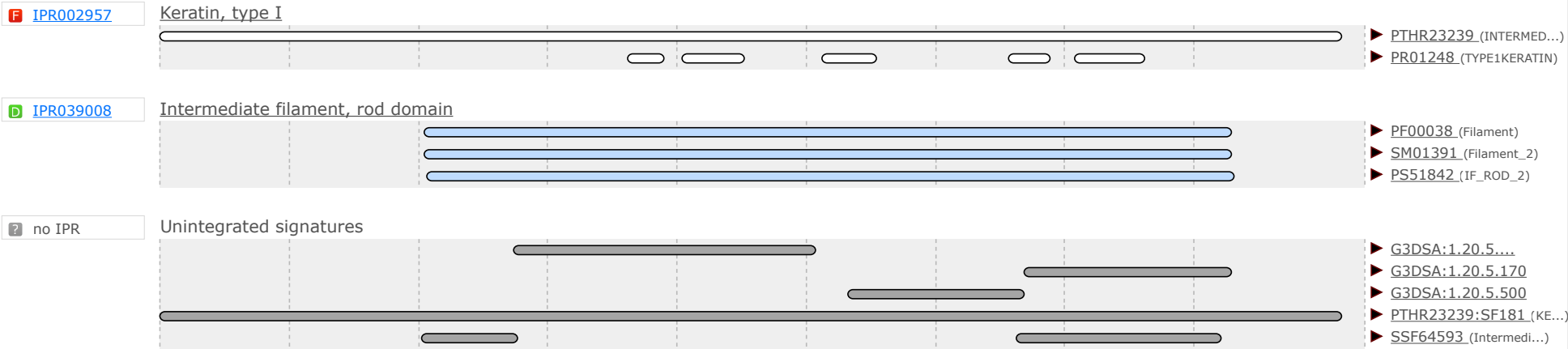
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

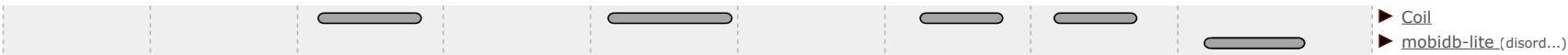
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

Protein

(I) krt92

Length 431 amino acids

Protein family membership

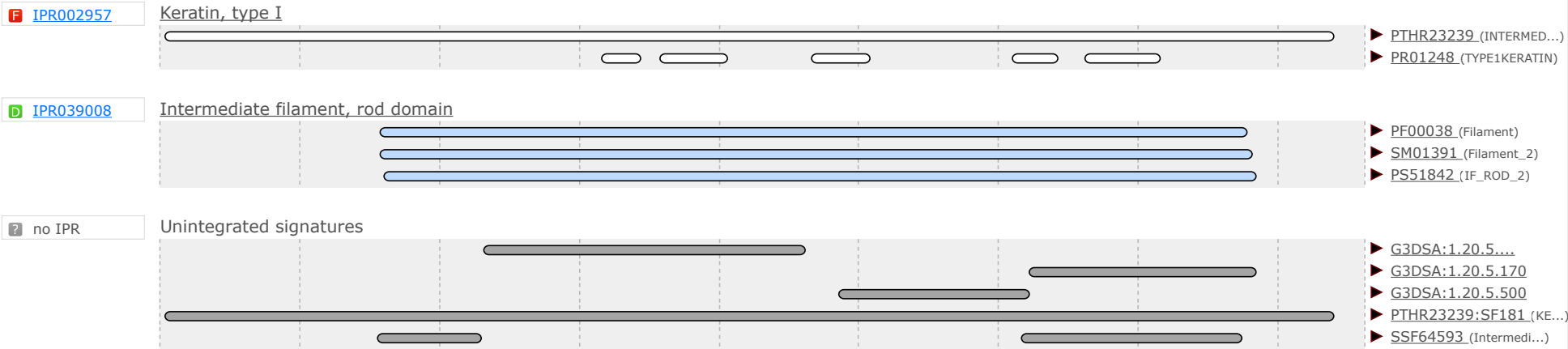
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

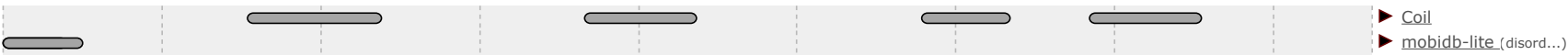
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

Protein

(I) krt17

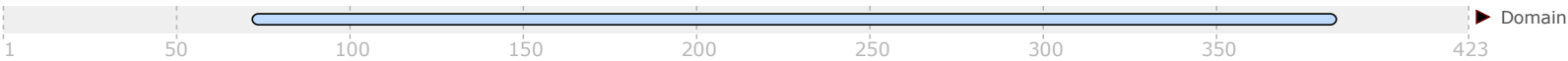
Length 423 amino acids

Protein family membership

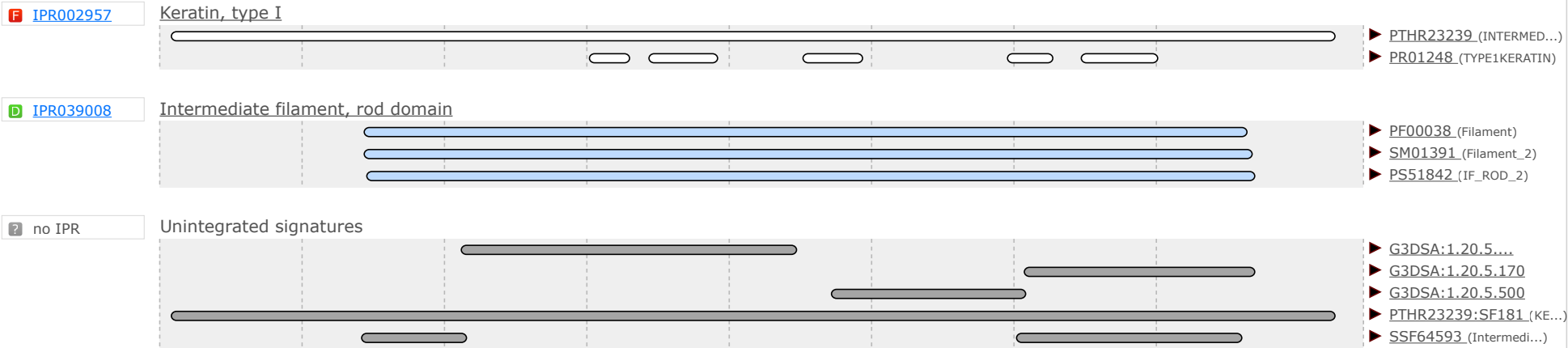
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
None predicted.

Protein

(I) cyt1

Length 429 amino acids

Protein family membership

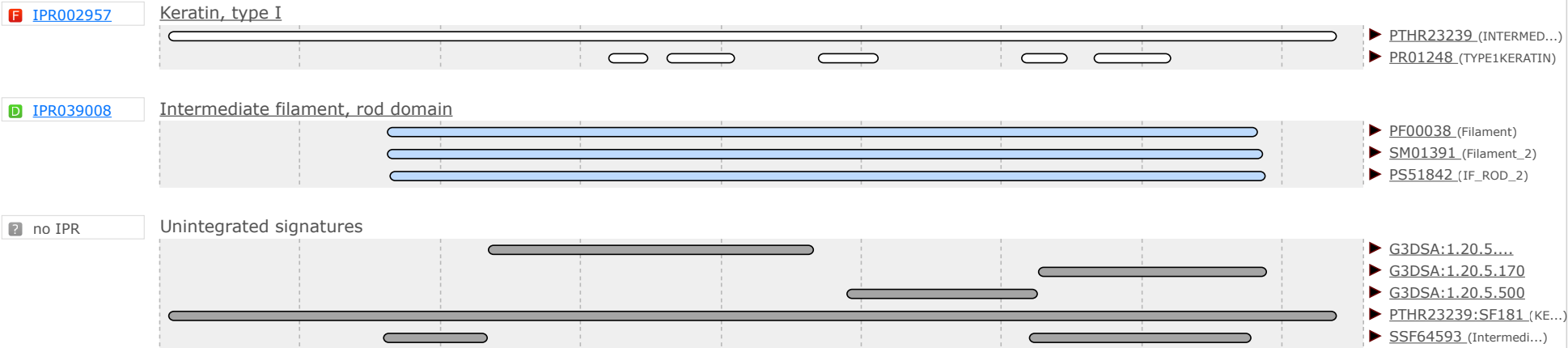
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
None predicted.

Protein

(I) cyt1l

Length 429 amino acids

Protein family membership

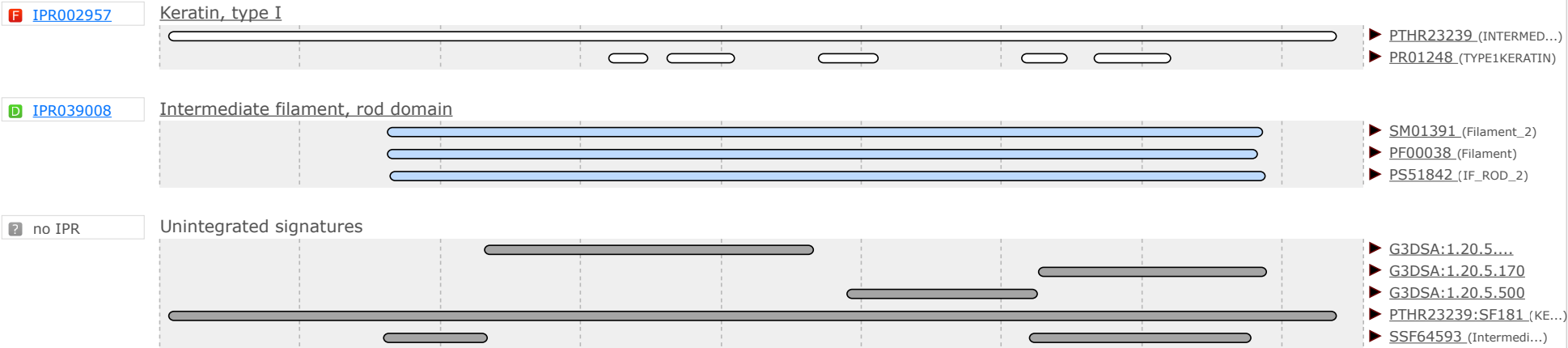
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
None predicted.

(II) krtt2c22

**Length** 438 amino acids

**Protein family membership**

■ [Keratin, type II \(IPR003054\)](#)

**Homologous superfamilies** none

**Domains and repeats**



**Detailed signature matches**

■ [IPR003054](#) Keratin, type II [PR01276](#) (TYPE2KERATIN)

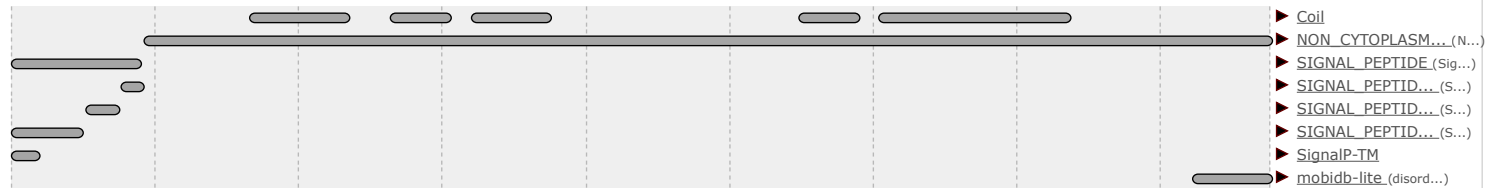
■ [IPR032444](#) Keratin type II head [PF16208](#) (Keratin\_2...)

■ [IPR039008](#) Intermediate filament, rod domain [SM01391](#) (Filament\_2)  
[PF00038](#) (Filament)  
[PS51842](#) (IF\_ROD\_2)

■ [IPR018039](#) Intermediate filament protein, conserved site [PS00226](#) (IF\_ROD\_1)

■ no IPR Unintegrated signatures [G3DSA:1.20.5...](#)  
[G3DSA:1.20.5.170](#)  
[G3DSA:1.20.5.500](#)  
[PTHR45616](#) (FAMILY N...)  
[PTHR45616:SF9](#) (SI:D...)  
[SSF64593](#) (Intermedi...)

**Other features**



**GO Term prediction**

**Biological process**

None predicted.

**Molecular function**

None predicted.

**Cellular component**

[GO:0045095](#) keratin filament



(II) krtd2c8

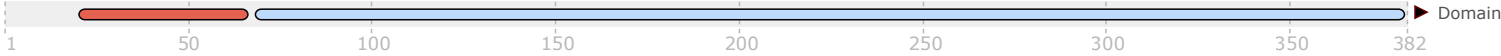
Length 382 amino acids

Protein family membership

 Keratin, type II ([IPR003054](#))

Homologous superfamilies none

Domains and repeats



Detailed signature matches

 [IPR003054](#)

Keratin, type II




► [PR01276](#) (TYPE2KERATIN)

 [IPR032444](#)

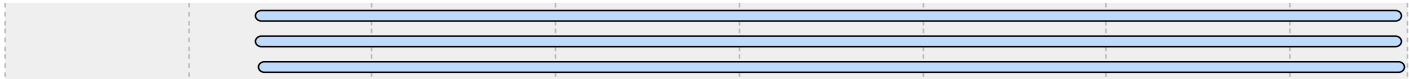
Keratin type II head



► [PF16208](#) (Keratin\_2\_...)

 [IPR039008](#)

Intermediate filament, rod domain




► [PF00038](#) (Filament)  
► [SM01391](#) (Filament\_2)  
► [PS51842](#) (IF\_ROD\_2)

 [IPR018039](#)

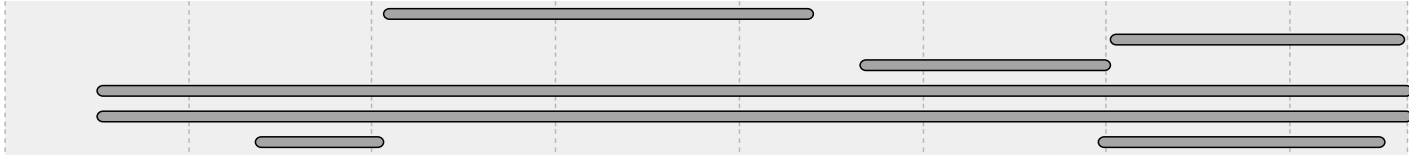
Intermediate filament protein, conserved site



► [PS00226](#) (IF\_ROD\_1)

 no IPR

Unintegrated signatures



► [G3DSA:1.20.5....](#)  
► [G3DSA:1.20.5.170](#)  
► [G3DSA:1.20.5.500](#)  
► [PTHR45616](#) (FAMILY N...)  
► [PTHR45616:SF9](#) (SI:D...)  
► [SSF64593](#) (Intermedi...)

Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	None predicted.	<a href="#">GO:0045095</a> keratin filament

(II) krt8

Length 520 amino acids

Protein family membership

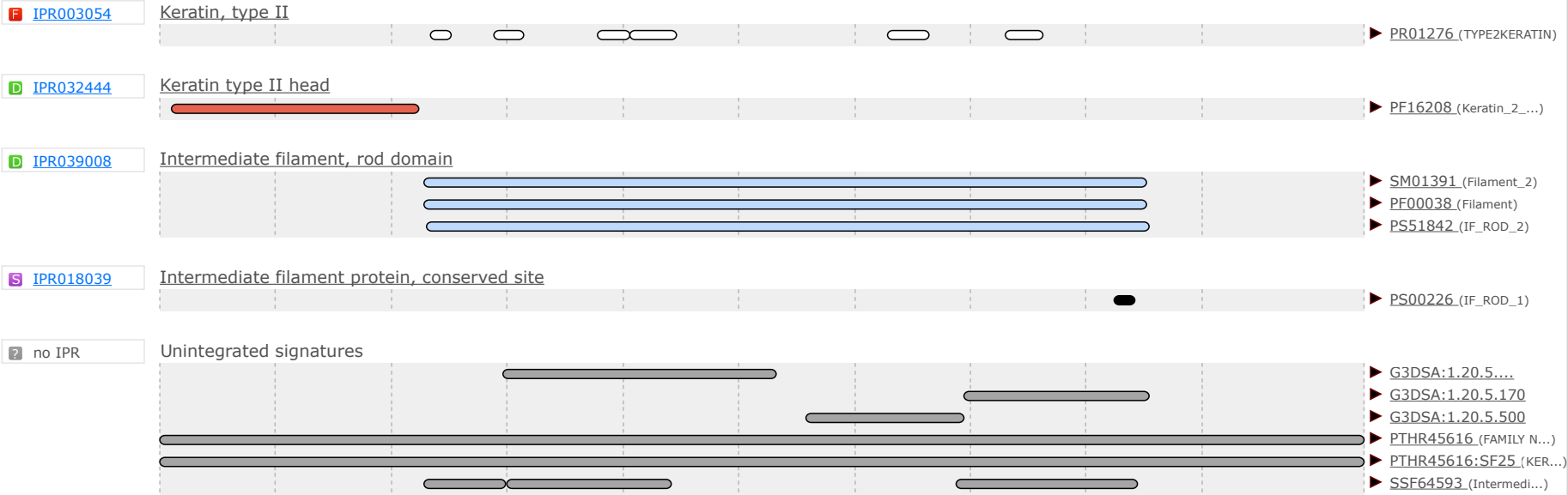
 Keratin, type II ([IPR003054](#))

Homologous superfamilies none

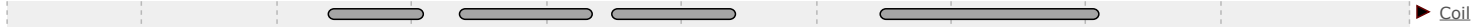
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	None predicted.	<a href="#">GO:0045095</a> keratin filament

(II) krtt2c6

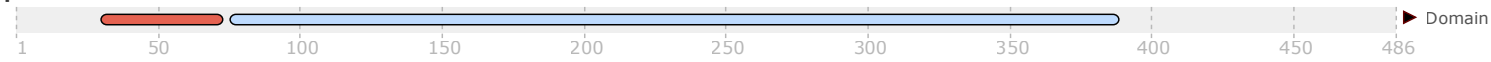
Length 486 amino acids

Protein family membership

 Keratin, type II ([IPR003054](#))

Homologous superfamilies none


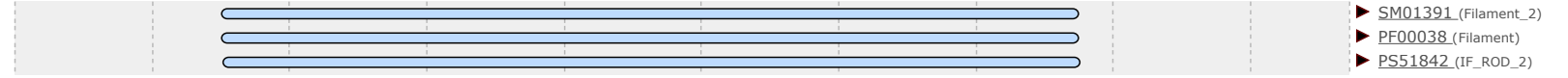
Domains and repeats





Detailed signature matches

 [IPR003054](#) Keratin, type II 

 [IPR032444](#) Keratin type II head 

 [IPR039008](#) Intermediate filament, rod domain 

 [IPR018039](#) Intermediate filament protein, conserved site 

 no IPR Unintegrated signatures 

Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
None predicted.

**Cellular component**  
[GO:0045095](#) keratin filament

(II) krt4

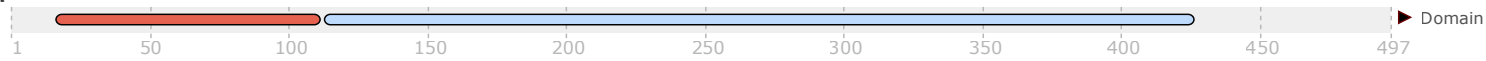
Length 497 amino acids

Protein family membership

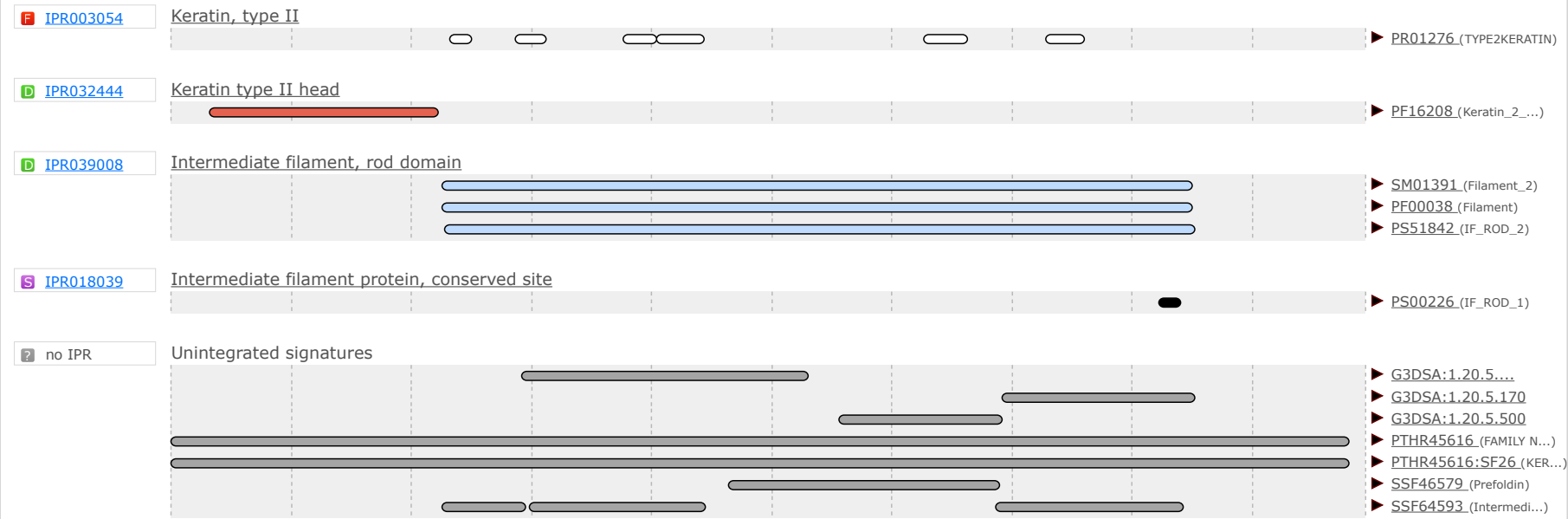
 Keratin, type II ([IPR003054](#))

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

**Biological process**  
None predicted.

**Molecular function**  
None predicted.

**Cellular component**  
[GO:0045095](#) keratin filament

(II) krt5

Length 566 amino acids

Protein family membership

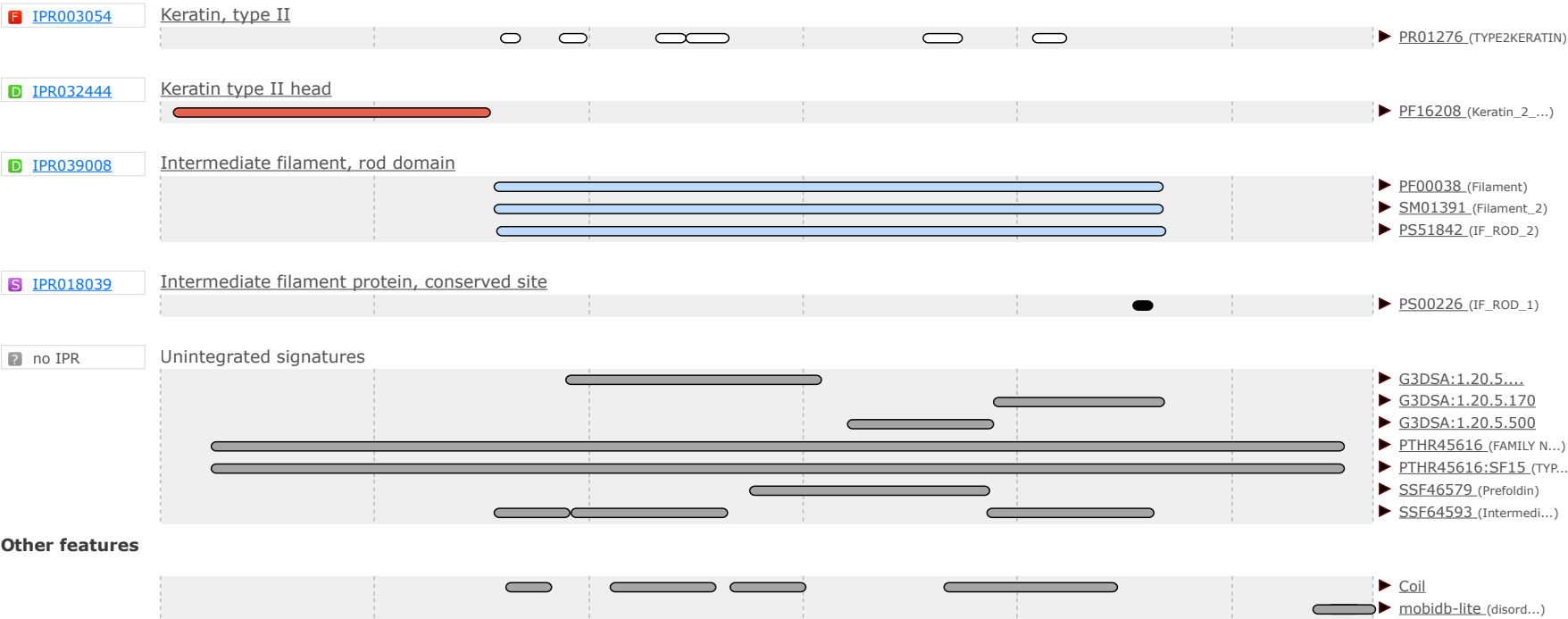
🔴 [Keratin, type II \(IPR003054\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



GO Term prediction

Biological process

None predicted.

Molecular function

None predicted.

Cellular component

[GO:0045095](#) keratin filament

(other I.F.) prph

Length 442 amino acids

Protein family membership

- Peripherin/Plastacin (IPR027700)
- Keratin, type I (IPR002957)

Homologous superfamilies none

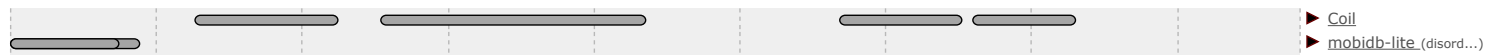
Domains and repeats



Detailed signature matches

- IPR027700 Peripherin/Plastacin PTHR45652:SF14 (PER...)
- IPR002957 Keratin, type I PR01248 (TYPE1KERATIN)
- IPR006821 Intermediate filament head, DNA-binding domain PF04732 (Filament\_head)
- IPR039008 Intermediate filament, rod domain PF00038 (Filament), SM01391 (Filament\_2), PS51842 (IF\_ROD\_2)
- IPR018039 Intermediate filament protein, conserved site PS00226 (IF\_ROD\_1)
- no IPR Unintegrated signatures G3DSA:1.20.5..., G3DSA:1.20.5.170, G3DSA:1.20.5.500, PTHR45652 (FAMILY N...), SSF64593 (Intermedi...)

Other features



GO Term prediction

- | Biological process   | Molecular function                      | Cellular component                        |
|--|---|---|
| GO:0045104 intermediate filament cytoskeleton organization | GO:0005198 structural molecule activity | GO:0005882 intermediate filament          |
|  | GO:0005515 protein binding              | GO:0045098 type III intermediate filament |

(other I.F.) gfap

Length 444 amino acids

Protein family membership

- Glial fibrillary acidic protein (IPR027701)
- Keratin, type I (IPR002957)

Homologous superfamilies none

Domains and repeats



Detailed signature matches

- IPR027701 Glial fibrillary acidic protein PTHR45652:SF9 (GLIA...)
- IPR002957 Keratin, type I PR01248 (TYPE1KERATIN)
- IPR006821 Intermediate filament head, DNA-binding domain PF04732 (Filament\_head)
- IPR039008 Intermediate filament, rod domain PF00038 (Filament), SM01391 (Filament\_2), PS51842 (IF\_ROD\_2)
- IPR018039 Intermediate filament protein, conserved site PS00226 (IF\_ROD\_1)
- no IPR Unintegrated signatures G3DSA:1.20.5..., G3DSA:1.20.5.170, G3DSA:1.20.5.500, PTHR45652 (FAMILY N...), SSF64593 (Intermedi...)

Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	GO:0005198 structural molecule activity	GO:0005882 intermediate filament

(other I.F.) zgc:65851

Length 562 amino acids

Protein family membership

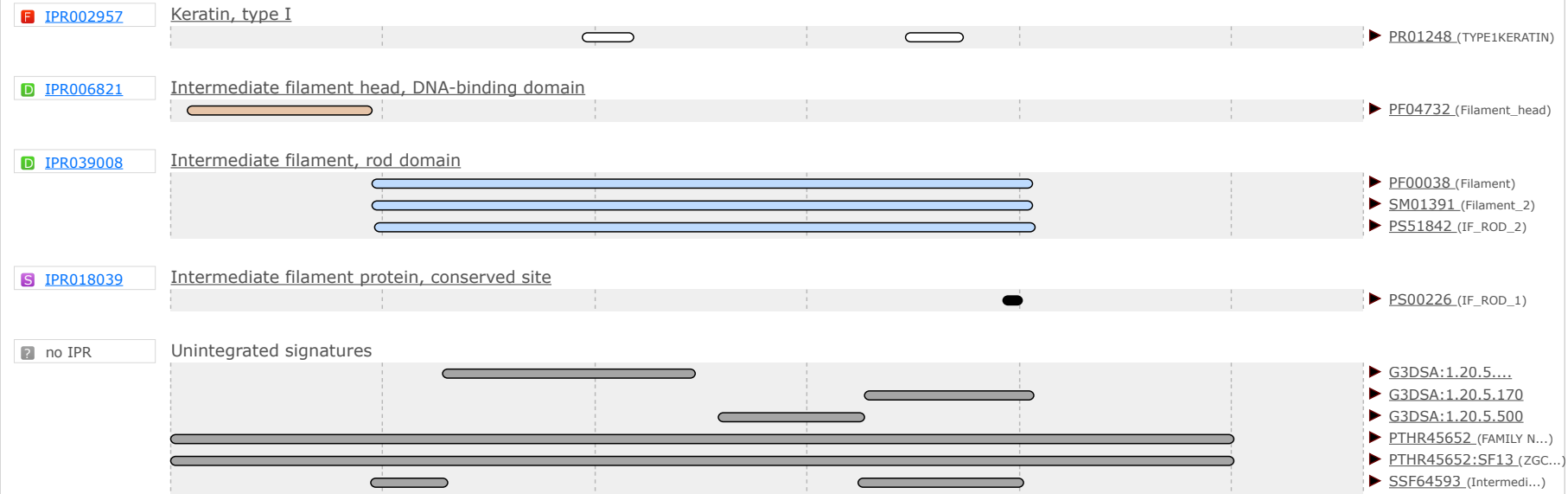
 Keratin, type I ([IPR002957](#))

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	<a href="#">GO:0005882</a> intermediate filament



(other I.F.) neflb

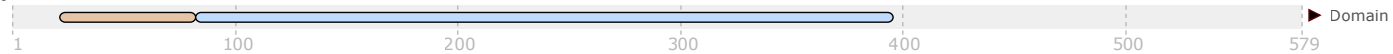
Length 579 amino acids

Protein family membership

- Neurofilament light polypeptide (IPR027692)
- Keratin, type I (IPR002957)

Homologous superfamilies none

Domains and repeats



Detailed signature matches

- IPR027692 Neurofilament light polypeptide PTHR45652:SF8 (NEUR...)
- IPR002957 Keratin, type I PR01248 (TYPE1KERATIN)
- IPR006821 Intermediate filament head, DNA-binding domain PF04732 (Filament\_head)
- IPR39008 Intermediate filament, rod domain PF00038 (Filament)  
SM01391 (Filament\_2)  
PS51842 (IF\_ROD\_2)
- IPR018039 Intermediate filament protein, conserved site PS00226 (IF\_ROD\_1)
- no IPR Unintegrated signatures G3DSA:1.20.5....  
G3DSA:1.20.5.170  
G3DSA:1.20.5.500  
PTHR45652 (FAMILY N...)  
SSF64593 (Intermedi...)

Other features



GO Term prediction

- | Biological process          | Molecular function                      | Cellular component               |
|-----------------------------|---|----------------------------------|
| GO:0061564 axon development | GO:0005198 structural molecule activity | GO:0005882 intermediate filament |
|                             |   | GO:0005883 neurofilament         |

Protein

(other I.F.) si:dkey-27m7.4

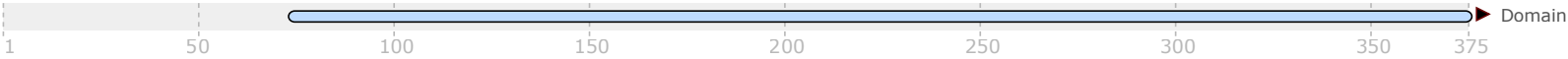
Length 375 amino acids

Protein family membership

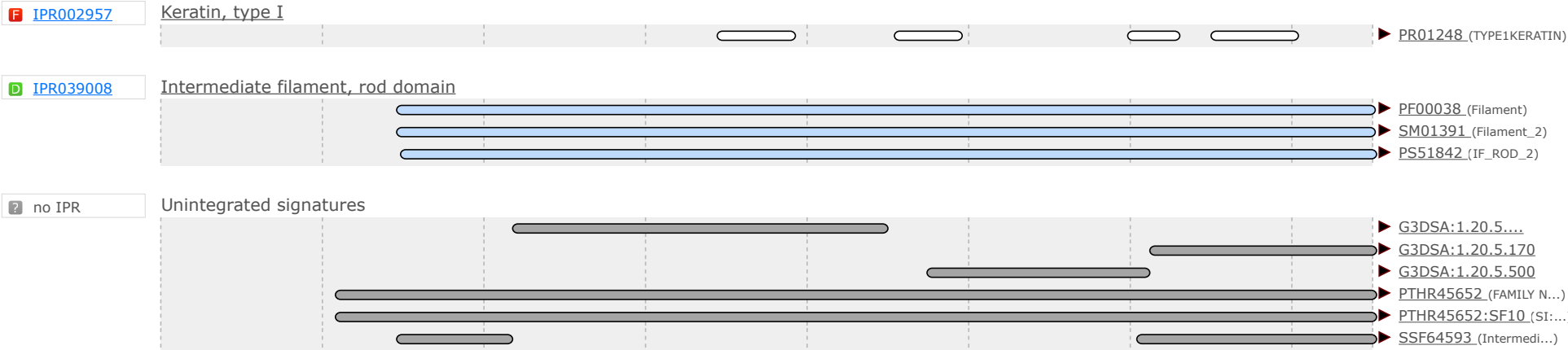
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.

(other I.F.) nefma

Length 849 amino acids

Protein family membership

- Neurofilament medium polypeptide (IPR027697)
- Keratin, type I (IPR002957)

Homologous superfamilies none

Domains and repeats



Detailed signature matches

IPR027697

Neurofilament medium polypeptide

PTHR45652:SF3 (NEUR...)

IPR002957

Keratin, type I

PR01248 (TYPE1KERATIN)

IPR006821

Intermediate filament head, DNA-binding domain

PF04732 (Filament\_head)

IPR039008

Intermediate filament, rod domain

PF00038 (Filament)

SM01391 (Filament\_2)

PS51842 (IF\_ROD\_2)

IPR011098

G5 domain

PS51109 (G5)

IPR018039

Intermediate filament protein, conserved site

PS00226 (IF\_ROD\_1)

no IPR

Unintegrated signatures

G3DSA:1.20.5...

G3DSA:1.20.5.170

G3DSA:1.20.5.500

PTHR45652 (FAMILY N...)

SSF64593 (Intermedi...)

Other features

Coil

mobidb-lite(disord...)

GO Term prediction

**Biological process**  
[GO:0033693](#) neurofilament bundle assembly

**Molecular function**  
[GO:0005198](#) structural molecule activity

**Cellular component**  
[GO:0005882](#) intermediate filament  
[GO:0005883](#) neurofilament

(other I.F.) nefmb

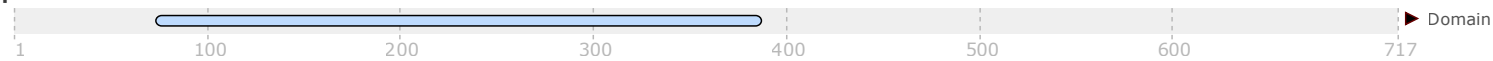
Length 717 amino acids

Protein family membership

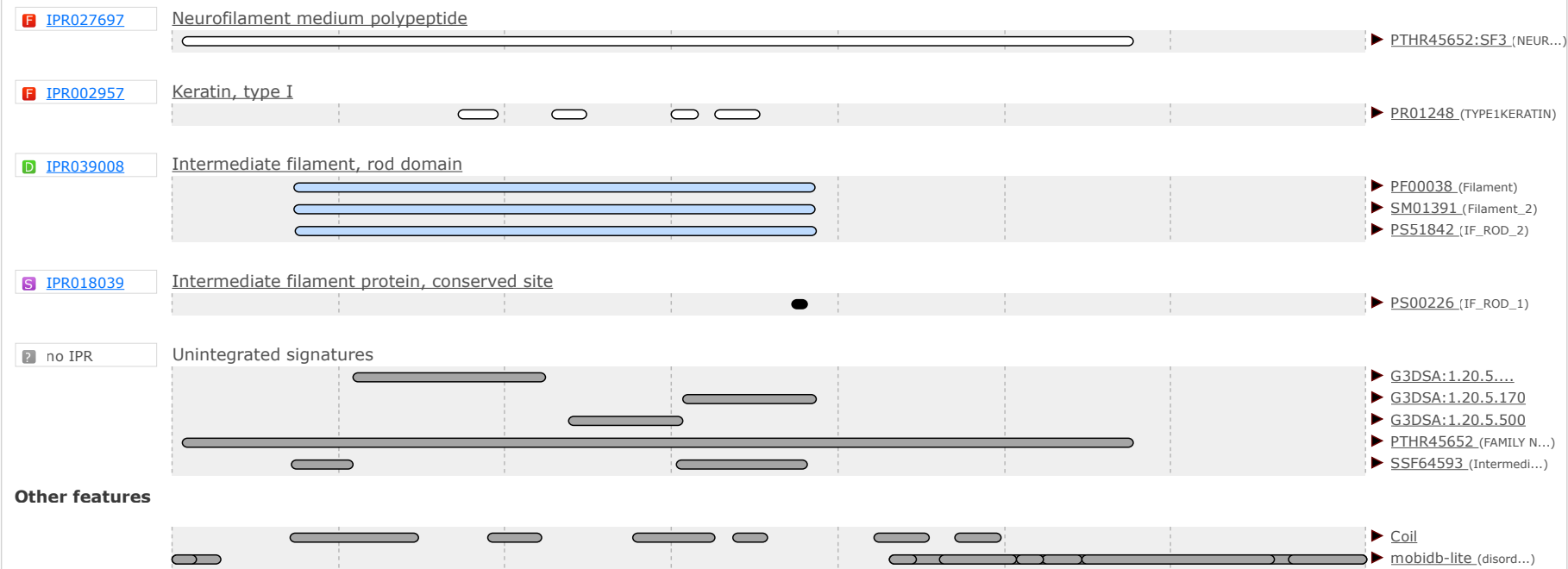
- Neurofilament medium polypeptide (IPR027697)
- Keratin, type I (IPR002957)

Homologous superfamilies none

Domains and repeats



Detailed signature matches



GO Term prediction

Biological process	Molecular function	Cellular component
<a href="#">GO:0033693</a> neurofilament bundle assembly	<a href="#">GO:0005198</a> structural molecule activity	<a href="#">GO:0005883</a> neurofilament

Protein

(T.K.A.) thread keratin alpha

Length 589 amino acids

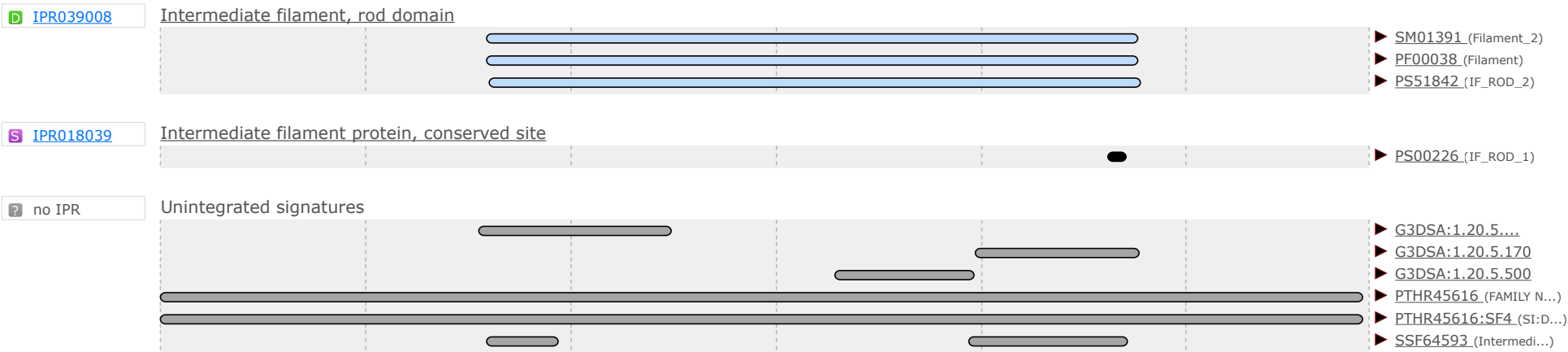
Protein family membership None predicted.

Homologous superfamilies none

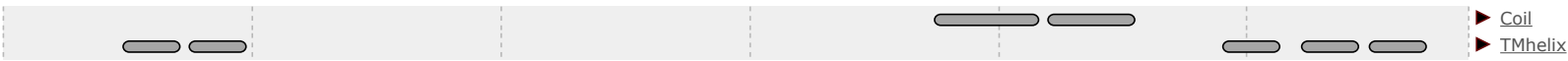
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	None predicted.	None predicted.

Protein

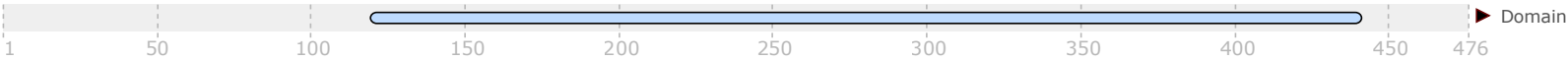
(T.K.G.) thread keratin gamma

Length 476 amino acids

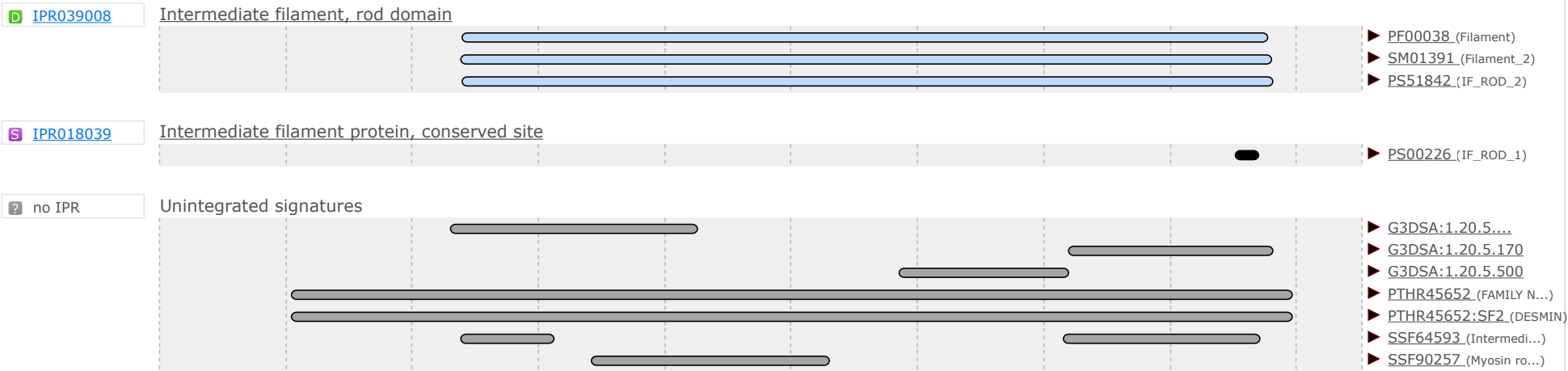
Protein family membership None predicted.

Homologous superfamilies none

Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	None predicted.	None predicted.

(krt222) krt222

Length 428 amino acids

Protein family membership

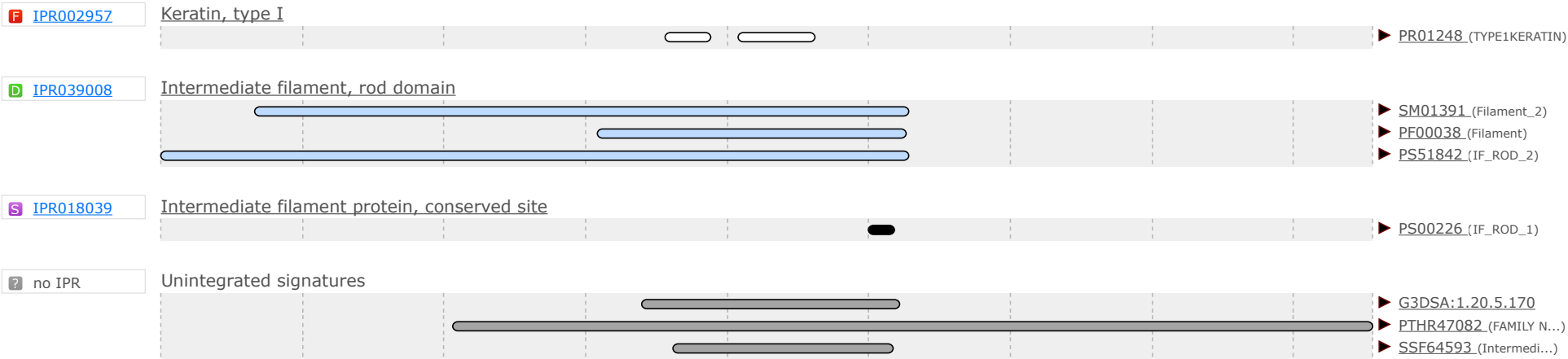
 [Keratin, type I \(IPR002957\)](#)

Homologous superfamilies none

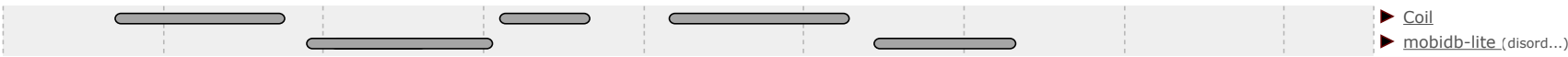
Domains and repeats



Detailed signature matches



Other features



GO Term prediction

Biological process	Molecular function	Cellular component
None predicted.	<a href="#">GO:0005198</a> structural molecule activity	None predicted.