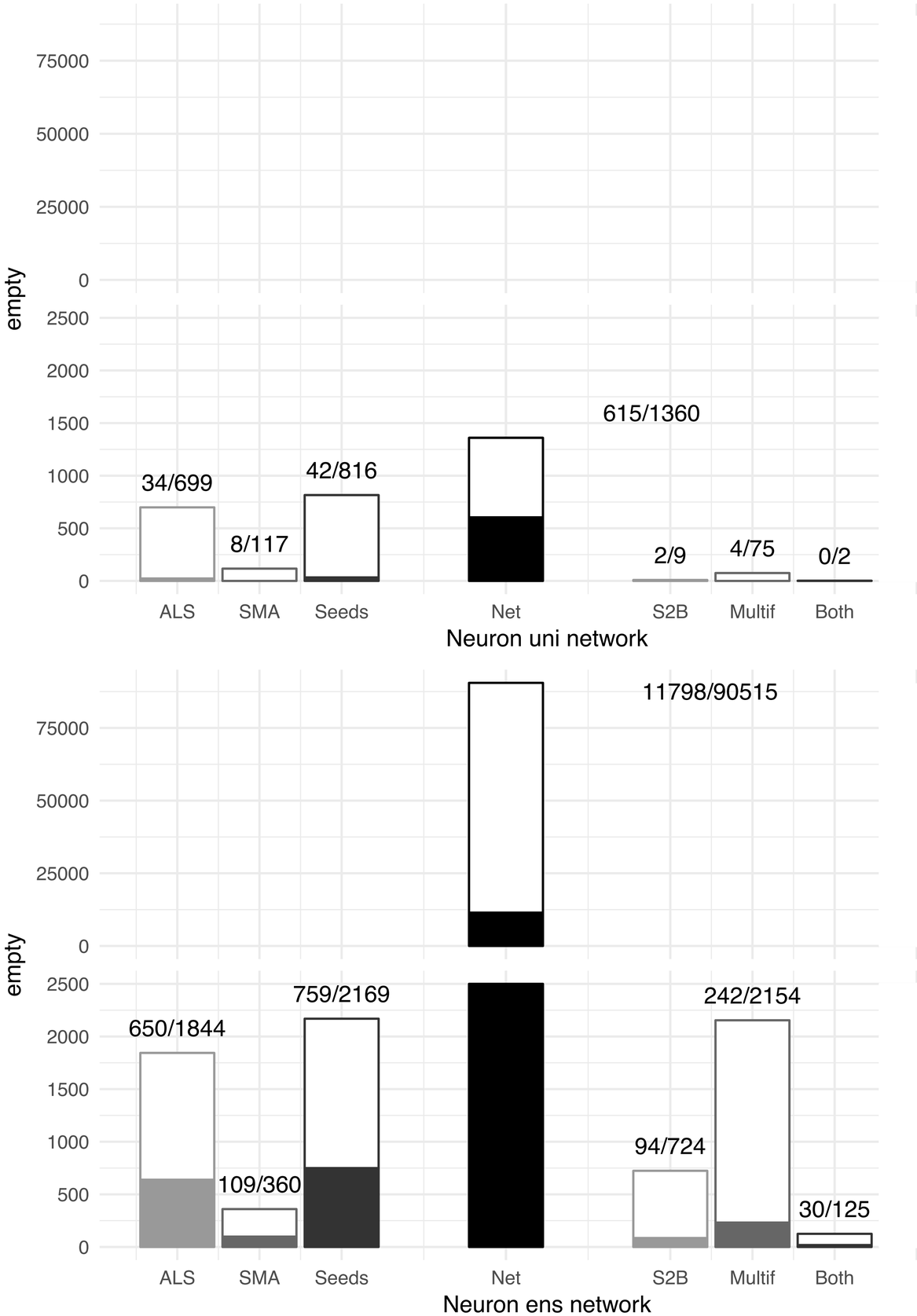
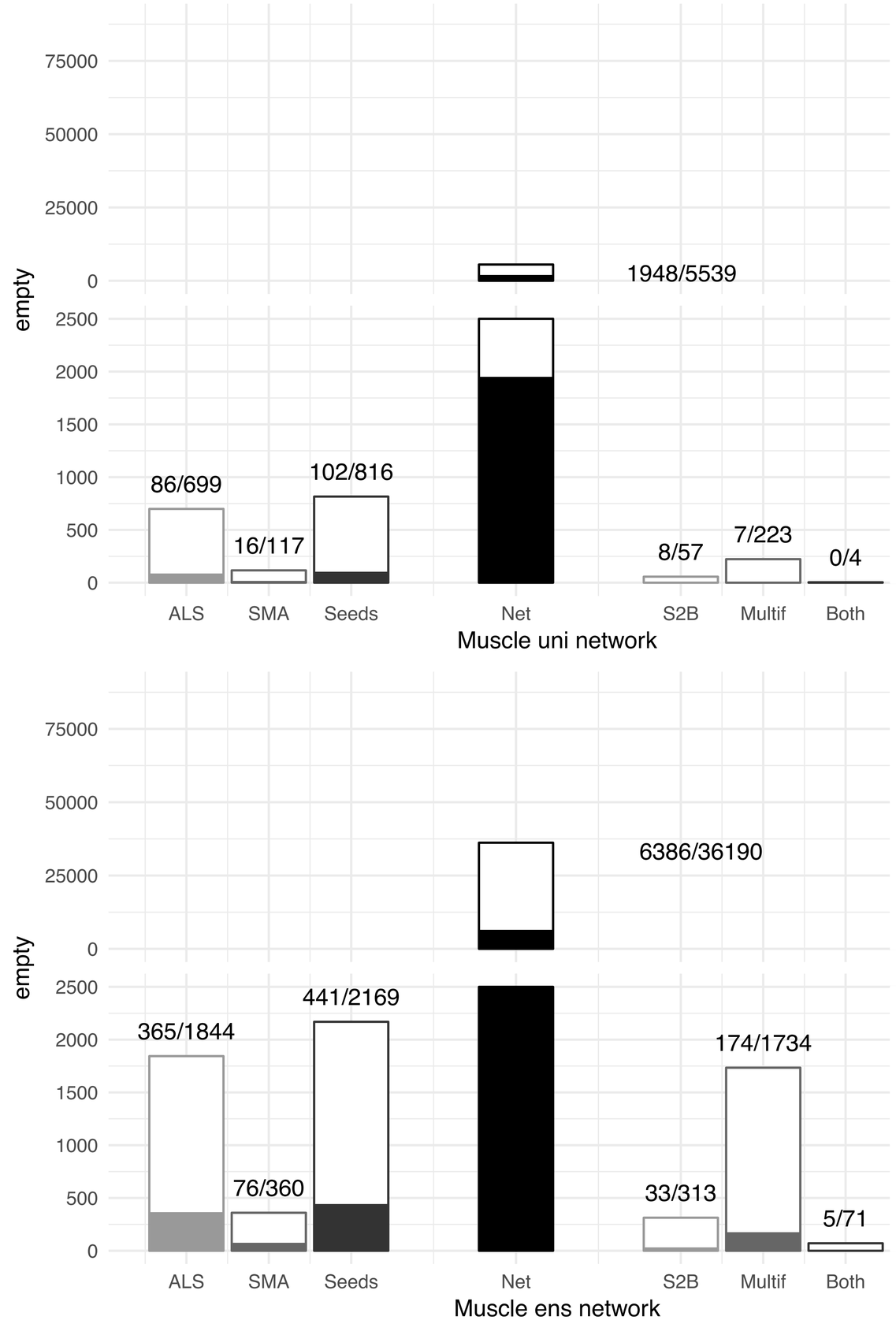
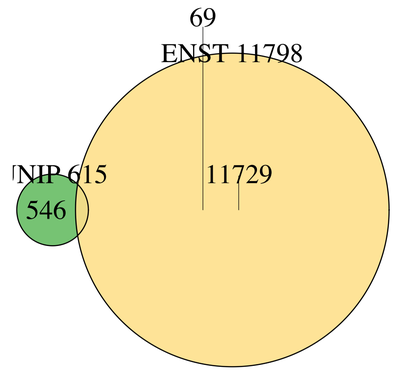

Neuron uni network
empty
inc
Net
75000
50000
25000
0
2500
2000
1500
1000
500
0
34/699
8/117
42/816
615/1360
2/9
4/75
0/2
11798/90515
650/1844
109/360
759/2169
94/724
30/125
242/2154
ALS
SMA
Seeds
Net
S2B
Multif
Both
Neuron ens network


Muscle uni network
empty
inc
Net
75000
50000
25000
0
2500
2000
1500
1000
500
0
86/699
16/117
102/816
1948/5539
8/57
7/223
0/4
6386/36190
365/1844
76/360
441/2169
33/313
174/1734
5/71
ALS
SMA
Seeds
Net
S2B
Multif
Both
Muscle ens network

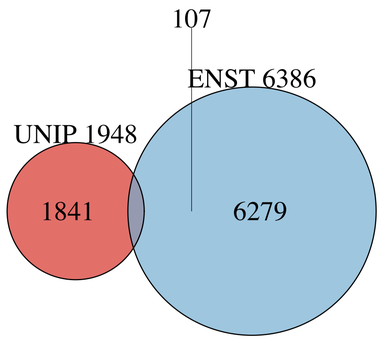
Proteins Overlap

Uniprot Vs. ENST

neuron

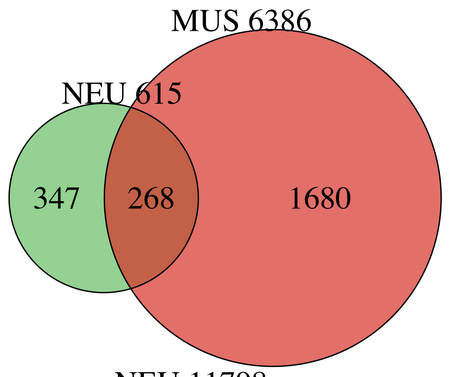


muscle

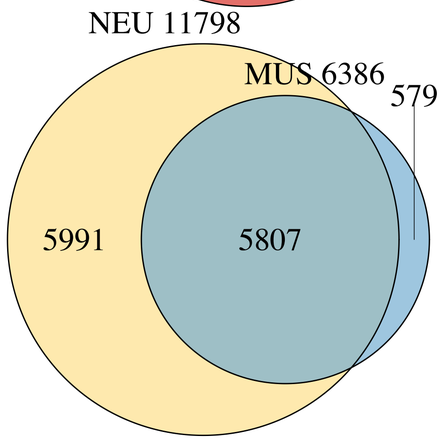


Neuron Vs. Muscle

uniprot



ENST



Candidates S2B rank

```
summary(rank_multif_neuron_uni)
 Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
 1.00    2.25    3.50    3.50    4.75    6.00
```

```
> summary(rank_multif_muscle_uni)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   3.00    8.25   11.50   14.00   17.25   30.00
```

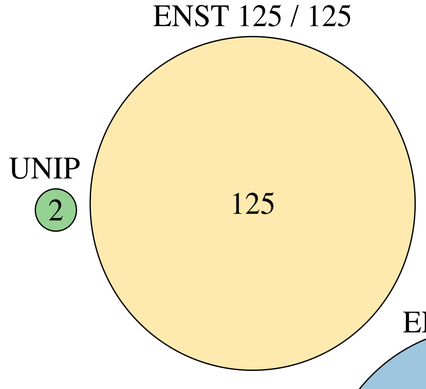
```
> summary(rank_multif_neuron_ens)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
    1.0    61.0   118.0   157.6   211.0   681.0
```

```
> summary(rank_multif_muscle_ens)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
    2.0    38.5    96.0   108.1   164.5   312.0
```

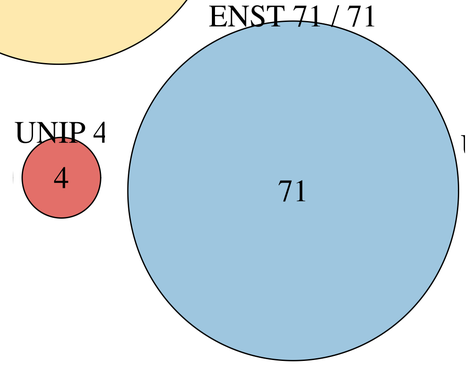
(Multif & S2B) Candidates Overlap

Uniprot Vs. ENST

neuron

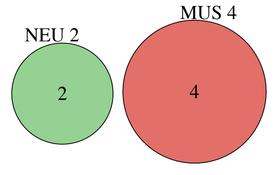


muscle

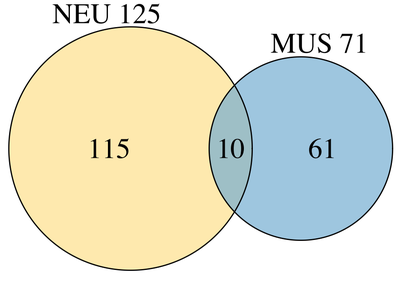


Neuron Vs. Muscle

uniprot



ENST



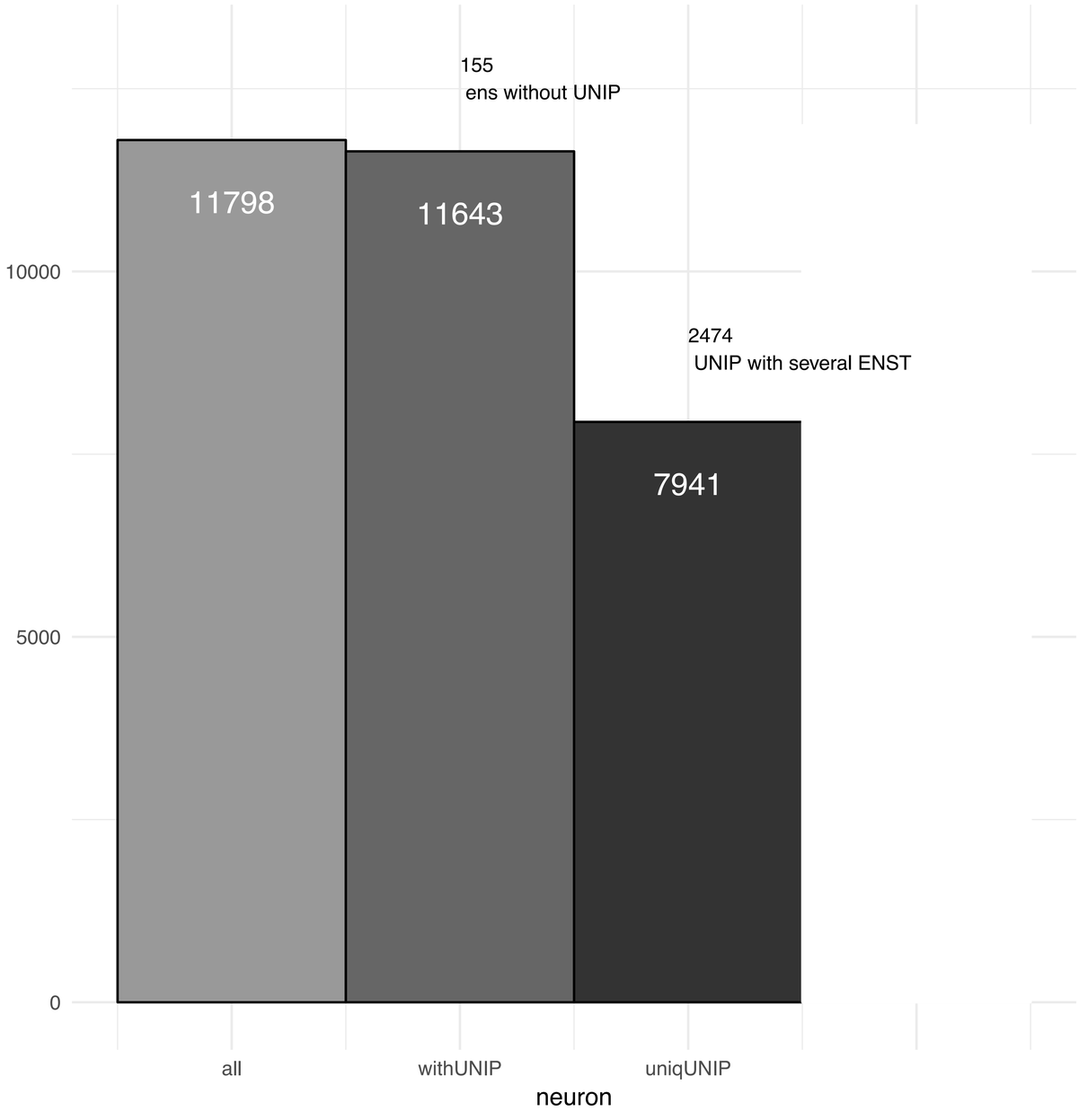
Overlap Neuron Vs. Muscle

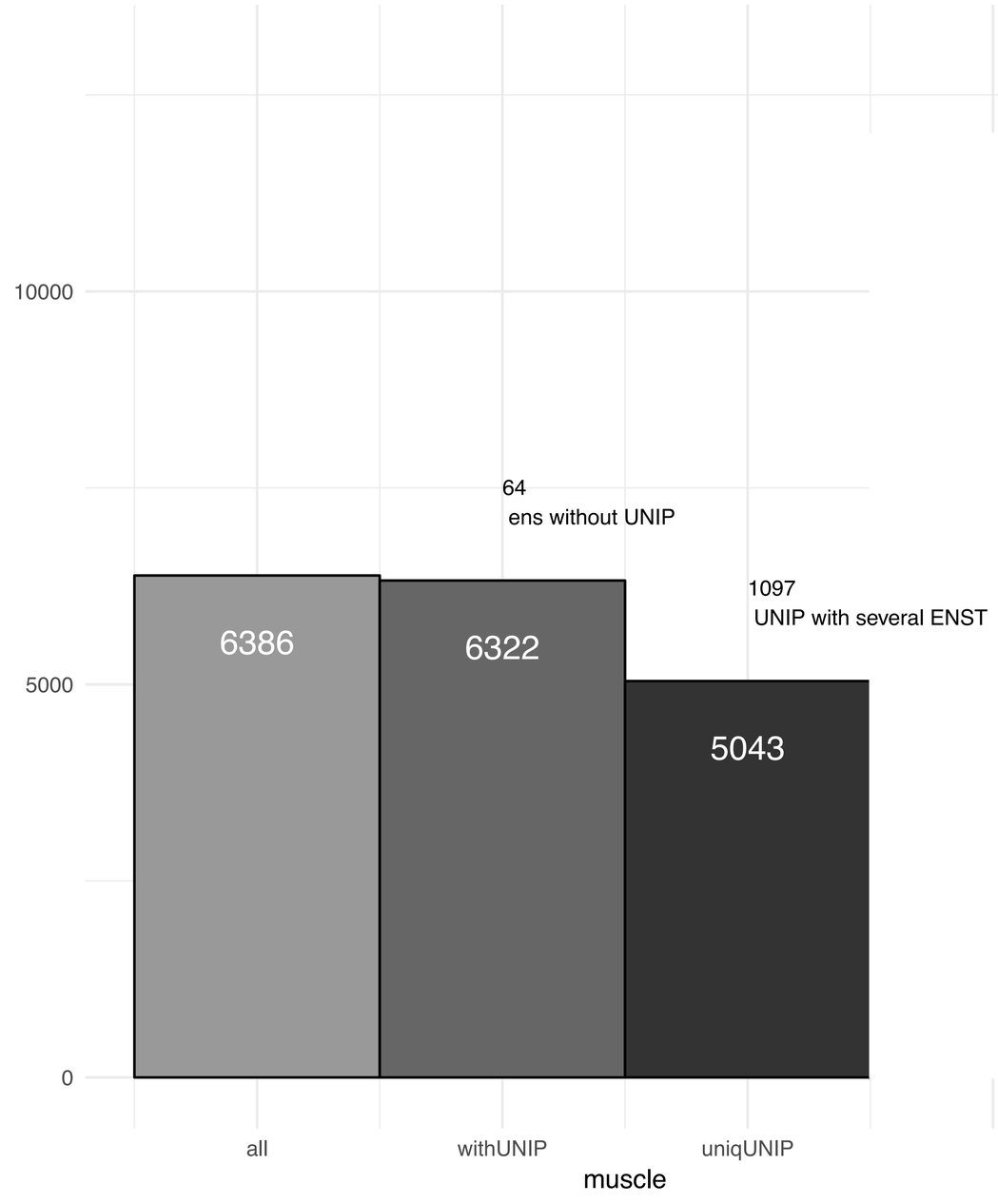
```
> summary(n_rank_multif_uni)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.

> summary(m_rank_multif_uni)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.

>
```

```
> summary(n_rank_multif_ens)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  37.00   85.25  114.50  157.30  195.00  406.00
> summary(m_rank_multif_ens)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   2.00   11.75   52.50   62.80   95.75  156.00
>
```


155
ens without UNIP
11798
11643
2474
UNIP with several ENST
7941
10000
5000
0
all
withUNIP
uniqUNIP
neuron


64
ens without UNIP
1097
UNIP with several ENST
6386
6322
5043
10000
5000
0
all
withUNIP
uniqUNIP
muscle