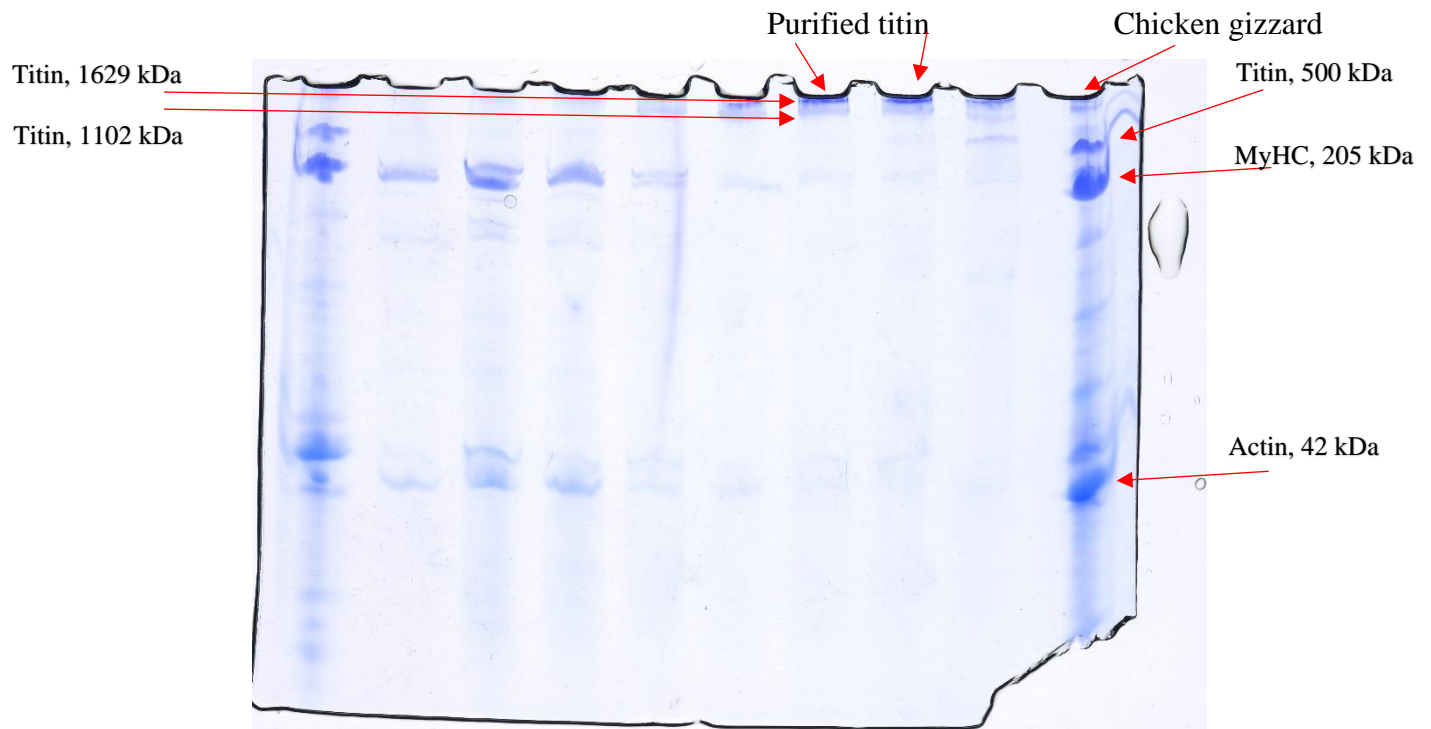


Molecular weight and content of titin isoforms in isolated protein preparations

Gel 1

Two titin bands, 1102 kDa and 1629 kDa 37.8%/62.2% (lower/upper)

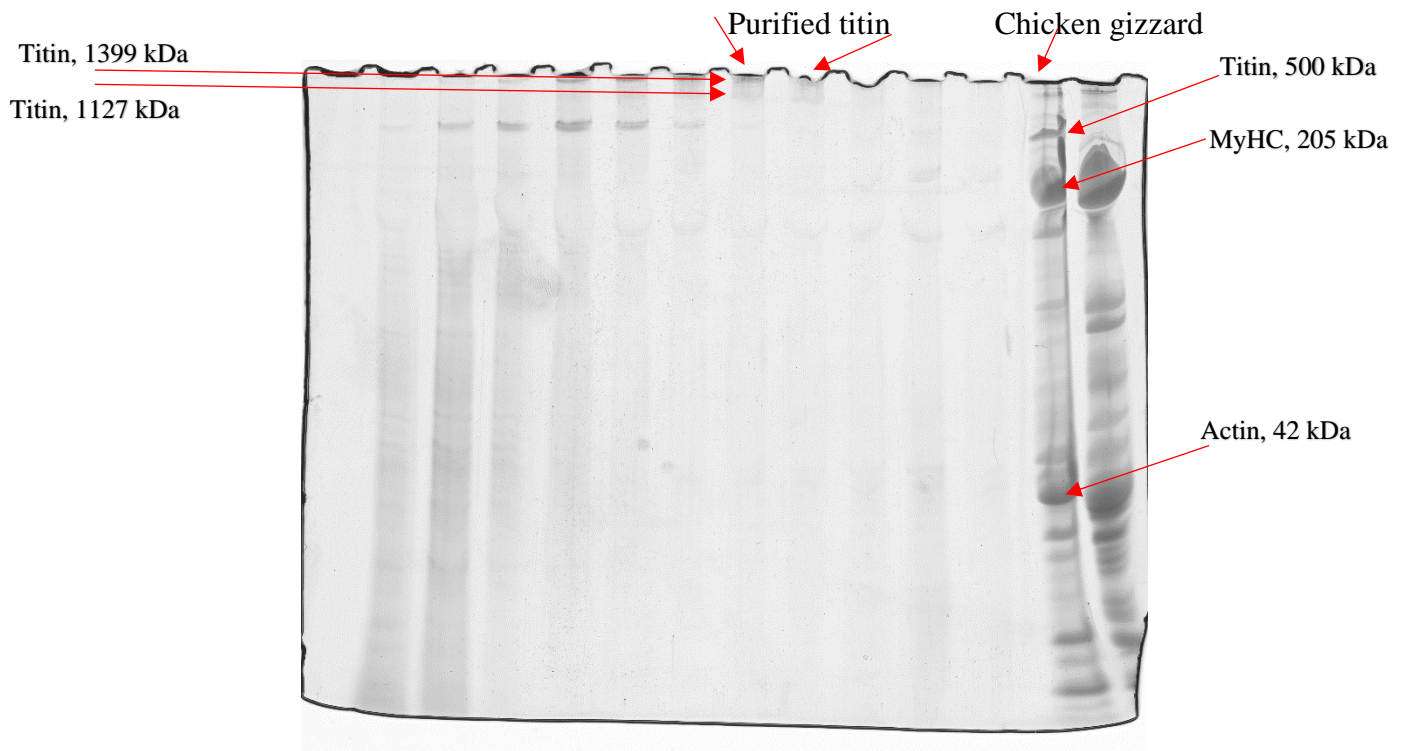


Gel 2

Two titin bands, **1061 kDa** and **1322 kDa** **25% / 75%** (lower / upper)

1115 kDa and **1357 kDa**

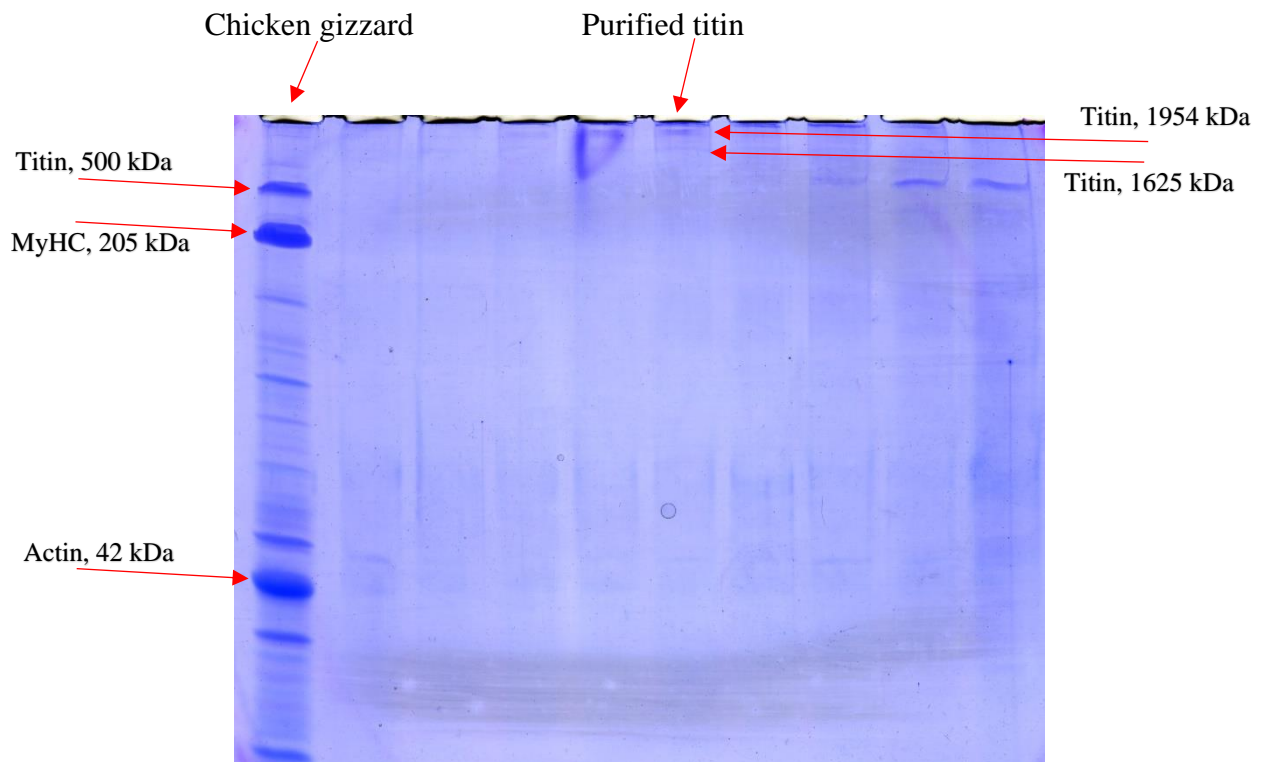
1127 kDa and **1399 kDa**



Gel 3

Two bands, **1625 kDa** and **1954 kDa**

31.4% / 68.6% (lower / upper)



Gel 4

Two bands, **1345 kDa** and **1819 kDa**

22.4% / 77.6% (lower/upper)

1354 kDa and **1819 kDa**

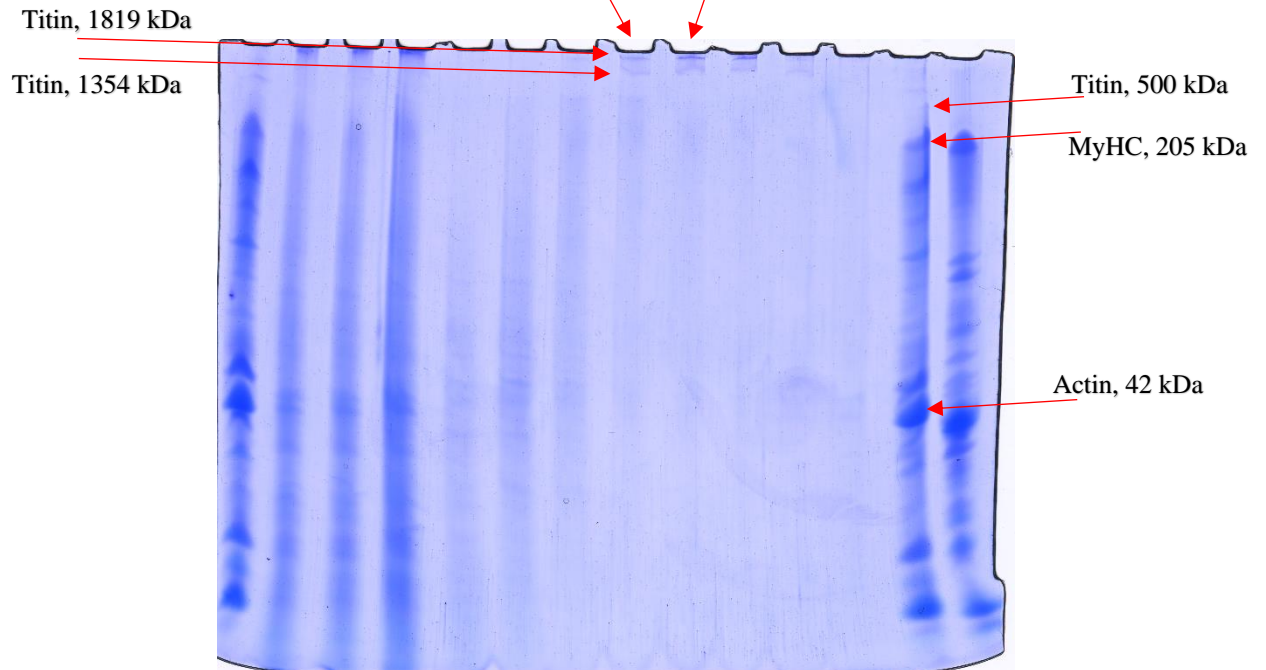
33.7% / 66.3% (lower/upper)

1233 kDa and **1785 kDa**

38.4% / 61.6% (lower/upper)

Purified titin

Chicken gizzard

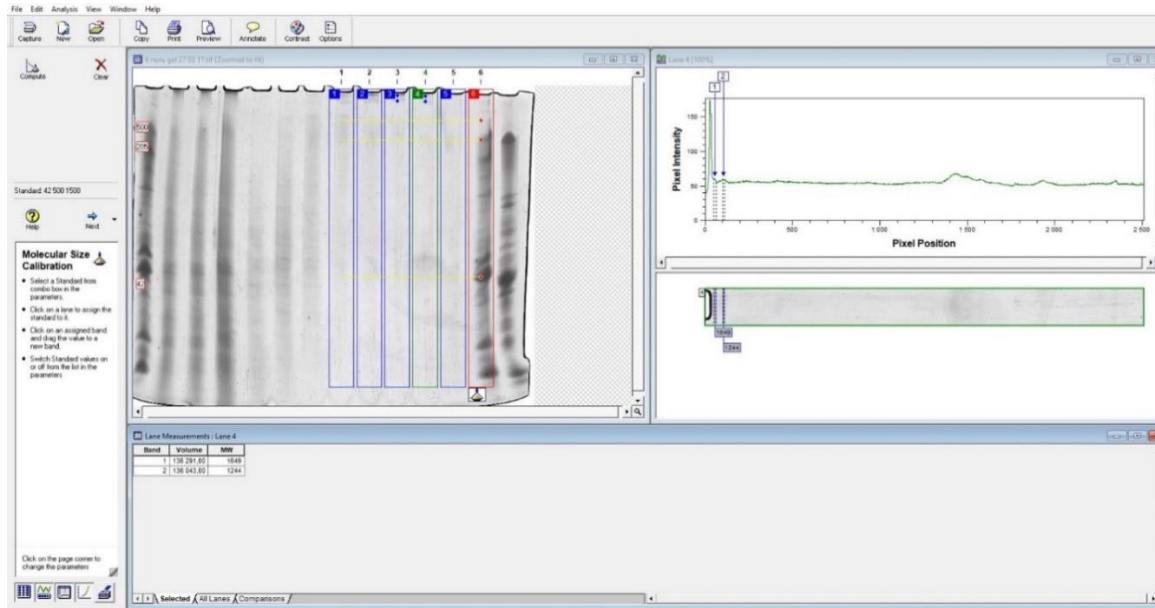


Thus, the preparations of isolated titin contained two isoforms or, possibly, an isoform and a proteolytic fragment with the molecular weights of **1635±245 kDa** (upper band, $n = 8$) and **1245±189 kDa** (lower band, $n = 8$).

The contents of a lower-molecular-weight and higher-molecular-weight titin in the preparations were **31.5% / 68.5%** ($n = 6$).

Examples of molecular weight calculation

1



2

