

Tyrannosaurus T-rex and Giganotosaurus, which one will win?

Tyrannosaurus T-rex and Giganotosaurus, which one will win? Let's see the winning ability of the T-rex tyrant dinosaur when confronting the Giganotosaurus dinosaurs!

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In fact, the match between Giganotosaurus dinosaur and T-rex will never happen because they live in two different eras as well as two different locations . Giganotosaurus lived in North America 97 million years ago, while T-rex lived in South America 65 million years ago. But let's see the triumph of T-rex tyrant dinosaurs when confronting the Giganotosaurus dinosaurs!



Tyrannosaurus Rex tyrant (*often called the abbreviation T. rex*) is one of the most powerful dinosaurs and the largest predator of all time. With enormous size, fast speed and a frightening killer (*literally*), it is hard to confirm that it is very intense, fierce and " *beautiful* ". At least this beauty is measured by the power to destroy things around you.

Anyway, the T-rex tyrant dinosaur will certainly get more attention than the Giganotosaurus dinosaur. From the main character in the movie *Jurassic Park* and is best known for the dinosaur image running on the screen when the Internet is not connected. T-Rex tyrants are also part of our common culture.



When losing the Internet people often play dinosaurs on computers

Unfortunately, the absolute superiority of T-rex tyrant dinosaurs now has to ask questions. **Giganotosaurus** - a giant dinosaur that existed before the T-rex tyrant dinosaur for over 30 million years, seems to be a formidable opponent. None of us want to take the crown from the king of the T-rex dinosaurs to give to Giganotosaurus, right? So this is an analysis that people can see that T-rex or Giganotosaurus is a stronger predator.

Comparison of characteristics of Giganotosaurus and T-Rex:

Size

Unlike what many of us already know, **T-rex tyrannosaurus is not the largest dinosaur in history** . Giganotosaurus dinosaurs are larger in size. With a body weight of up to 14 tons (*about 8,000 kg*) bigger than the T-rex tyrant dinosaurs and from 12m to 13m long, they " *defeated* " **Sue** (*the largest and most complete*

specimen of T-rex, a tyrant dinosaur, is on display at the Field Natural History Museum), weighs only about 9 tons and is about 12 meters long.

We found two specimens of the Giganotosaurus dinosaur, which also gave the Giganotosaurus dinosaurs the benefit of suspicion that there might be even more Giganotosaurus.



The size of a Giganotosaurus dinosaur compared to a normal person. Photo source: Durbed / Wikimedia Commons

(1-0)

Speed ??when running

The speed of running may not be the most important thing for this large dinosaur, but when it comes to being the most powerful predator, it is definitely something you need to consider.



The running speed of a dinosaur is estimated by constructing muscle structures, body weight, lengths of the limbs and estimating mass center . The comparison of the distance between two limbs and size The size of each limb is the method used to estimate the movement speed of ancient dinosaurs. However, these methods are very

complex and have many difficulties that scientists may encounter when trying to estimate the velocity of a dinosaur's run.

The maximum speed of the T-rex tyrant dinosaur has caused a debate for years. While some scientists estimate the **maximum speed of T-rex to be 16km / hour (10mph)** , another estimate is 72.4km / hour (45mph) - the difference between them is quite large. On the other hand, **Giganotosaurus is assumed to be able to run at 50km / hr (31.3mph)** .

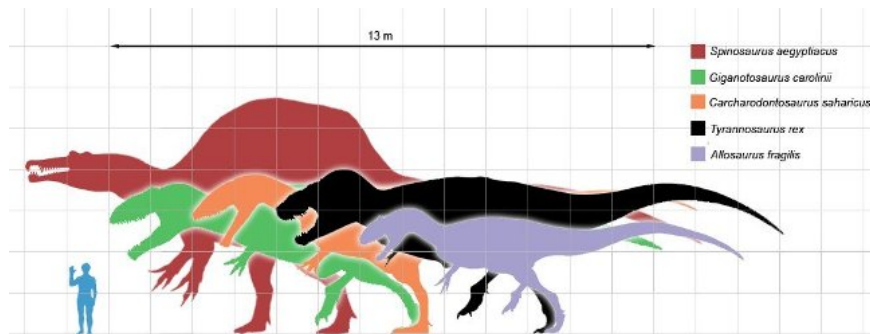
However, due to the inconsistency in this feature and the winner is not clearly defined, we consider this a draw with a draw ratio.

(1-0)

Shape and structure

Both the tyrant T-rex and Giganotosaurus have long bodies, large limbs, a large skull and two small forelimbs. T-rex tyrant dinosaurs have two very short and weak front limbs, unable to touch their mouths and each hand has only 2 fingers. And Giganotosaurus has two fairly strong, long long limbs, sharp claws and up to 3 fingers. However, we still do not understand the function of these weapons fingers.

Both have strong thigh muscles, benefiting from the ability to run fast. Moreover, they also have long and thick tails that balance the weight of the skull (*very large and heavy stuff*). However, it seems that T-rex has a larger tail than Giganotosaurus, which can be used to knock down opponents. And Giganotosaurus has a smaller tapered tail, which contributes to its agility and quick and sharp surfing ability.



Comparison of the size of T-rex (black) and Giganotosaurus (orange).Photo source: Dinoguy2 / Wikimedia Commons

Giganotosaurus' surgery seems to have made it a stronger predator.

(2-0)

Jaw muscles



While the speed and anatomy of these two dinosaurs seem to be easily comparable, we can see **that the jaw strength of T-rex is probably much larger** . T-rex has a short, very strong jaw, 1.2m wide, bite force up to 3.6T. With this jaw T-rex can easily bite the opponent's neck or bite large pieces of meat. That is the ability to bite with force of 35,586 N (*8,000 pounds of force*) - a force equivalent to the weight of three cars or medium cars!

And Giganotosaurus dinosaurs have long jaws, not too big, many sharp teeth and jaws of about 2T. So when comparing jaw muscles, it is obvious that T-rex is more beneficial than Giganotosaurus.

In addition, T-rex often hunts alone when confronted with other predatory dinosaurs, it is very aggressive, can even fight with its fellow humans, whoever loses will be eaten. And Giganotosaurus often hunts in groups, **if fighting 1: 1 with T-rex, then Giganotosaurus will probably be less skilled** .

(2-1)

Tooth structure



An important factor for predators is tooth structure. While, **Giganotosaurus has a nearly all teeth that are identical, large and flat**, **T-rex has a different tooth** . The incisors for biting and pulling, the fangs for meat tearing and the molars are used for chewing meat.

Basically, T-rex seems to have a much more developed tooth structure than the Giganotosaurus, which seems to be obvious when T-rex has added 30 million years of evolution.

For easy visualization, the tooth structure of T-rex is very similar to the structure of human teeth. We often use incisors to bite food, fangs to tear and jaw teeth to chew. Of course, they usually eat other dinosaurs, and we don't, this is really different.



T-rex's teeth. Photo source: Imgflip



Photo source: Dirk Ingo Franke / Wikimedia Commons
(2-2)

Intelligence

As mentioned earlier, both of these dinosaurs have " *giant* " skulls. Giganotosaurus has a 1.6m long skull, while T-rex has a skull about 1.5m long. Although Giganotosaurus 'skull is larger, Giganotosaurus' brain is smaller and shaped just like a banana. T-rex's brain is bigger and bigger.

A recent study also showed that the ancestors of T-rex developed advanced brain function and sensory awareness long before reaching the maximum size, which was a first development feature of the giant long. In fact, **T-rex is actually one of the smartest dinosaurs** .

In addition to having a bigger and smarter brain than Giganotosaurus, T-rex also has a better vision. His eyes can see 6 times more fine than normal people, and Giganotosaurus eyes are not as good as T-rex.

(2-3)

Therefore, the winner is Tyrannosaurus Rex tyrant dinosaur!



After considering all the above factors, my opinion - the author of the article said that T-rex really still deserves the title of **King of the Dinosaurs - King of the Dinosaur** . However, Giganotosaurus dinosaurs can certainly give a big fight.

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Having fun!

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