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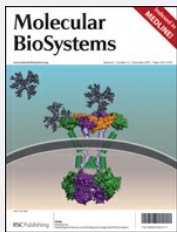
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A novel expression profile of the *Loxosceles intermedia* revealed by transcriptome analysis

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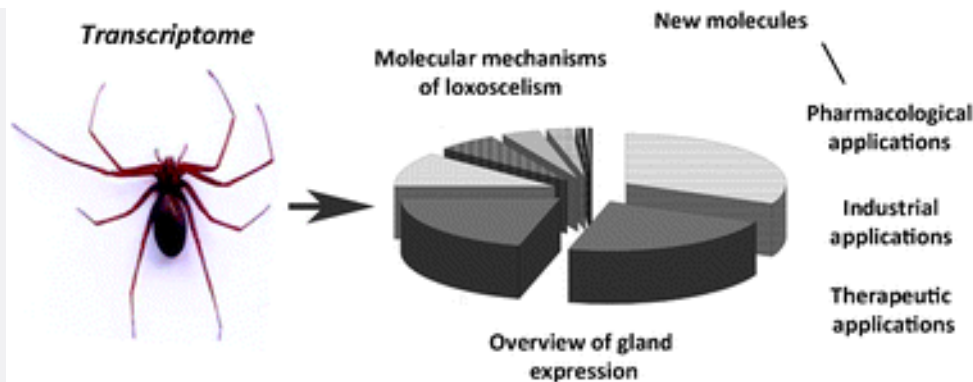
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Abstract

Spiders of the *Loxosceles* genus are cosmopolitan, and their venom components possess with their ability to act upon different molecules and receptors. Accidents with *Loxosceles* are a public health problem in the south of Brazil. To describe the transcriptional profile of the venom gland, a wide cDNA library, and its transcripts were functionally and structurally analyzed. The ESTs (ESTs) produced readable sequences that were grouped into 538 clusters, 281 of which (ESTs) matched to known proteins. Similarity searches showed that toxin-encoding sequences comprise a great number of ESTs. The most frequent toxins were from the LITx1 and LITx2 activity. Both phospholipase D and astacin-like metalloproteases toxins account for 10% of the ESTs encode for proteins involved in cellular processes. These data provide a venom gland expression scenario and revealed significant differences from profiles of other species. Furthermore, our results also confirm that this venom constitutes an amazing source for agrochemical, industrial and pharmacological applications.



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the 1990s, the number of people in the UK who are employed in the public sector has increased from 10.5 million to 12.5 million, and the number of people in the public sector who are employed in the health sector has increased from 2.5 million to 3.5 million (Department of Health 2000).

There are a number of reasons why the public sector has grown so rapidly. One of the main reasons is that the government has increased its spending on health care. This has led to a rapid increase in the number of people employed in the health sector. Another reason is that the government has increased its spending on education. This has led to a rapid increase in the number of people employed in the education sector.

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