



All eight pangolin species are listed on Appendix I of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), the highest level of international protection. Pangolins are also protected by national legislation in range countries.

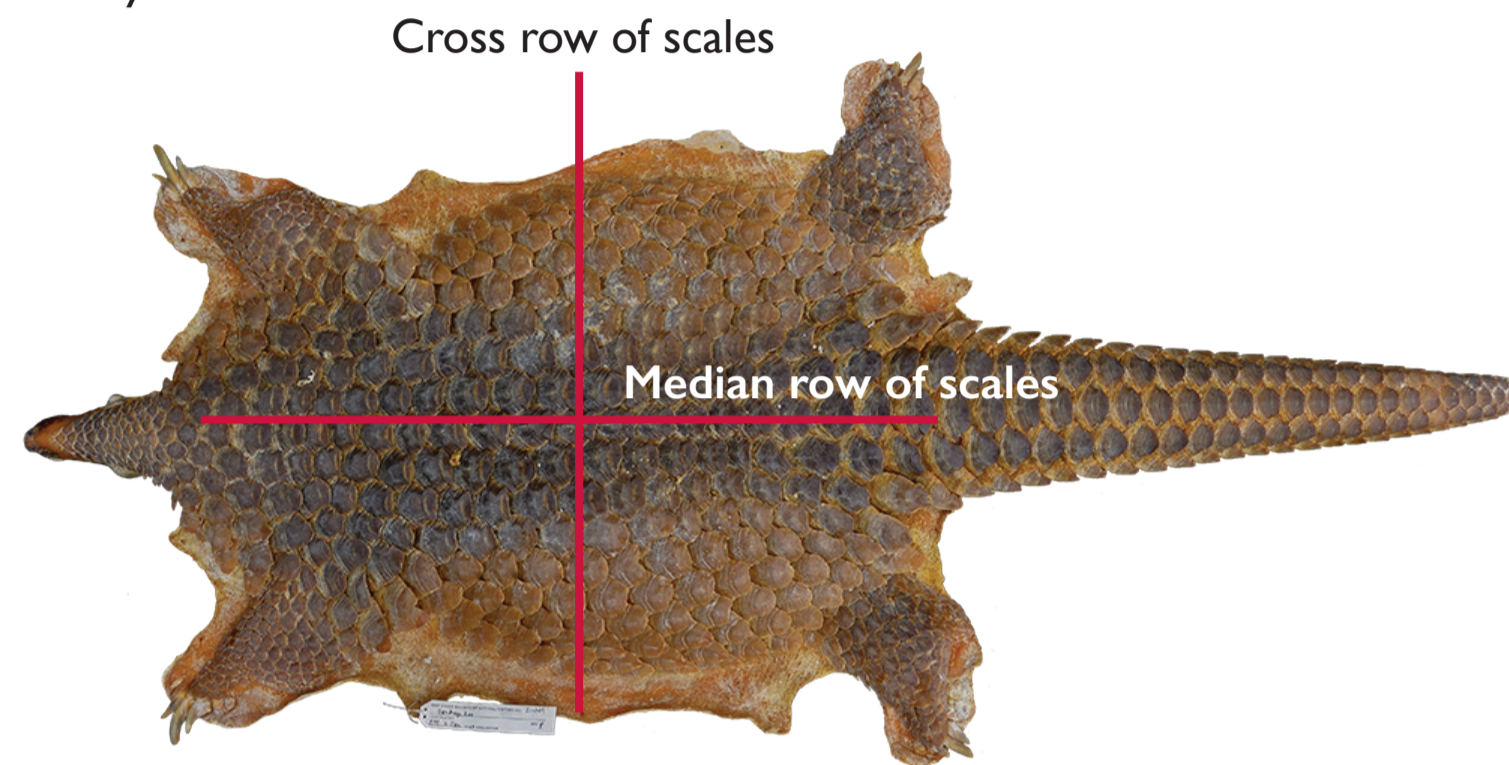
Pangolins are the only mammal covered in scales. The scales are comprised of keratin, the same material as our hair and nails. Pangolins feed exclusively on ants and termites. They pose no threat to humans. When pangolins are frightened, they roll up into a ball to protect themselves.



RHISHJA COTA/ANNAMITICUS

## SCALES

The “cross row” of scales is counted across the body, and the “median row” of scales is counted along the length of the body.



Pangolins, as well as scales, which have been removed from the animal, are frequently encountered in the illegal wildlife trade.



ALEX HOFFORD/ALEX HOFFORD PHOTOGRAPHY

## ASIA: 4 SPECIES

Asian pangolin species have bristles between the scales.



Chinese Pangolin  
*Manis pentadactyla*



Indian Pangolin  
*Manis crassicaudata*



Philippine Pangolin  
*Manis culionensis*

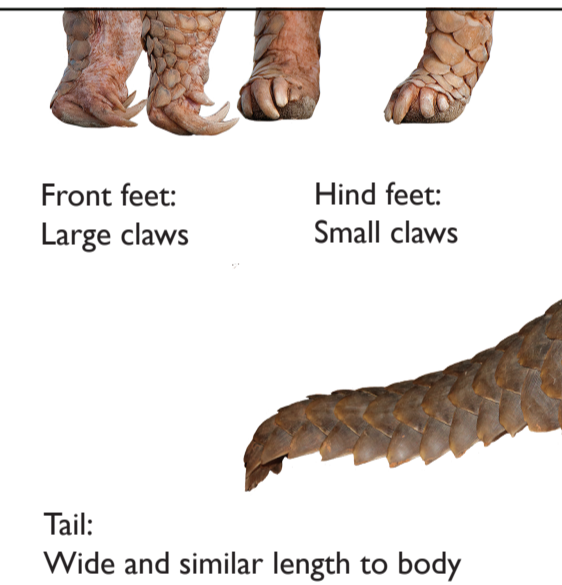


Sunda Pangolin  
*Manis javanica*

## FEET and TAILS

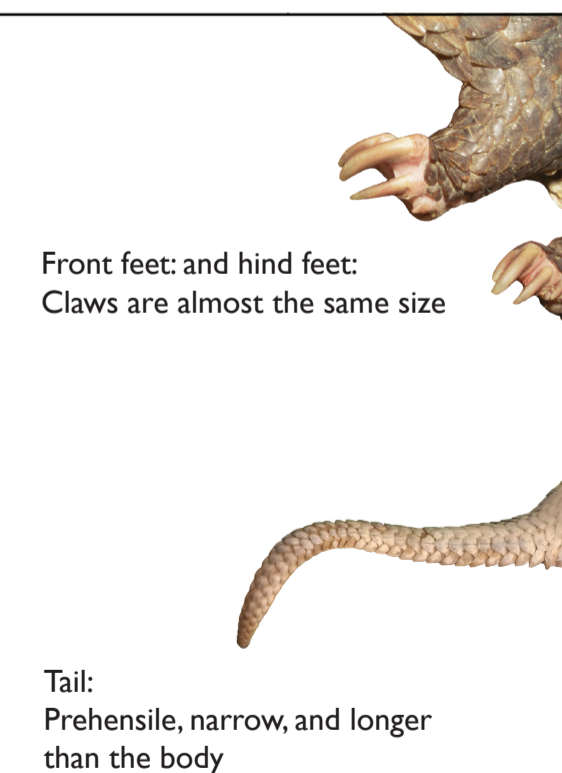
These pangolin species live mostly on the ground. They have claws on the front feet that are significantly larger than the hind feet, AND the tail is wide and similar in length to the pangolin's body:

- Chinese Pangolin
- Indian Pangolin
- Giant Ground Pangolin
- Ground Pangolin



These pangolin species spend much of their time in trees. The claws on the front feet and hind feet are similar in size, AND the tail is prehensile, narrow and longer than the pangolin's body:

- Philippine Pangolin
- Sunda Pangolin
- Black-Bellied Tree Pangolin
- White-Bellied Tree Pangolin



## AFRICA: 4 SPECIES

African pangolin species do not have bristles between the scales.



Ground Pangolin  
*Manis (Smutsia) temminckii*



Giant Ground Pangolin  
*Manis (Smutsia) gigantea*



Black-Bellied Tree Pangolin  
*Manis (Phataginus) tetradactyla*



White-Bellied Tree Pangolin  
*Manis (Phataginus) tricuspis*

### USAID Wildlife Asia

The USAID Wildlife Asia Activity works to address wildlife trafficking as a transnational crime. The project aims to reduce consumer demand for wildlife parts and products, strengthen law enforcement, enhance legal and political commitment, and support regional collaboration to reduce wildlife crime in Southeast Asia, particularly Cambodia; Laos; Thailand; Vietnam, and China. Species focus of USAID Wildlife Asia include elephant, rhinoceros, tiger, and pangolin. For more information, please visit [www.usaidwildlifeasia.org](http://www.usaidwildlifeasia.org)

ADDITIONAL PHOTO CREDITS: Chinese Pangolin - Michael Pitts/Naturepl/Nature in Stock; Indian Pangolin - Ansar Khan/Life Line for Nature Society; Philippine Pangolin - Dexter Alvarado/Katala Foundation; Ground Pangolin - courtesy of Lisa Hywood/Tikki Hywood Foundation; Giant Ground Pangolin - Uganda Wildlife Authority/Uganda Conservation Foundation/Courtesy of Ray Jansen; Black-Bellied Tree Pangolin - Rod Cassidy/Sangha Lodge; White-Bellied Tree Pangolin - Rod Cassidy/Sangha Lodge

Apple, the Apple logo, iPhone, and iPad are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple Inc.

Google Play and the Google Play logo are trademarks of Google LLC.

LEARN MORE ABOUT PANGOLINS at <http://www.usaidwildlifeasia.org/resources>

For hard copies of this poster and the *Pangolin Species Identification Guide: A Rapid Assessment Tool for Field and Desk*, please contact:

USAID Wildlife Asia  
208 Wireless Road, Unit 406  
Lumpini, Pathumwan, Bangkok 10330  
Thailand  
Tel: +66 20155941-3.  
Email: [info@usaidwildlifeasia.org](mailto:info@usaidwildlifeasia.org)

