



# Ranges Traits and Definitions

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*This list is not comprehensive and may change during the life of the project.*

Trait Term	Definition	Proposed Term within FOVT	Ontology Reference
age	General description of the age. See also age class and numeric age.		
age class	The age class, reproductive stage, life stage of the biological individual (e.g., juvenile, adult, eft, nymph, etc.).		
life stage	The developmental stage of the life cycle of the organism represented. GitHub Issue		
numeric age	Age of specimen given as a numeric value plus units.		
sex	Sex of the organism.		
colors	General description of colors.		
molt condition	General description of molt stage or condition.		
total length	Length of body from the tip of the snout to the end of the tail vertebrae along the anterior-posterior axis.	body length with tail	FOVT:0000001
tail length	Length of tail vertebrae.	tail length	OBA:0002758
hind foot with claw	Length of hindfoot from the back of the ankle to the tip of the longest claw.	pes length with nail	FOVT:0000003
hind foot without claw	Length of hindfoot from the back of the ankle to the base of the longest claw.	pes length without nail	FOVT:0000004
ear from crown	Length of ear from the crown to the tip.	NA	
ear from notch	Length of ear from the crown to the tip.	ear length to notch	FOVT:0000005
weight	Weight of body.	weight	PATO:0000128
calcar length	Length of a spur of cartilage arising from inner side of ankle and running	NA	

	along part of outer interfemoral membrane in bats.		
forearm length	Length of forelimb between the elbow and the wrist	forearm length	FOVT:0001379
thumb length with claw	Length of first digit of forelimb (pollex) from the base to the tip of the longest claw.	NA	
tragus length	Length of a pointed eminence of the external ear, situated in front of the concha, and projecting backward over the meatus	NA	
vaginal perforation	degree of perforation of the female vagina	NA	
nipple size	degree of lactational enlargement of the female nipple	NA	OBA:0002334 or MP:0013713
lactation	Secretion or expression of milk from the mammary glands.	lactation	GO_0007595
pregnancy	Containing a developing embryo, fetus, or unborn offspring within the body.	pregnant	UBERON:0009097
placental scars	Presence of sites of former embryo implantation in uterus, appearing as pigmented areas.	NA	
embryo count	Number of embryos observed in uterus.	number of viable embryos	CMO:0002546
left embryo count	Number of embryos observed in left horn of uterus.	NA	
right embryo count	Number of embryos observed in right horn of uterus.	NA	
left placental scar count	Number of placental scars observed in left horn of uterus.	NA	
right placental scar count	Number of placental scars observed in right horn of uterus.	NA	
placental scar count	Number of placental scars observed in uterus.	NA	
parity	The number of time that a viviparous organism has given birth.	parity	PATO:0002370
crown-rump length	Length from the crown of the head to bottom of the rump of a fetus or embryo, taken in straight line along body axis.	crown-rump length	NCIT:C81242

curvilinear length	Length from the crown of the head to bottom of the rump of a fetus or embryo, taken along the spinal curvature.	NA	
reproductive data	General description of reproductive data.	NA	
testis position	Degree of descent of the male gonad.	testis position	OBA:1000107
testis length	Length of the long axis of male gonad spheroid	testis length	FOVT:0001057
left testis length	Length of the long axis of left male gonad spheroid	left testis length	FOVT:0001059
right testis length	Length of the long axis of right male gonad spheroid	right testis length	FOVT:0001058
left testis width	Length of the short axis of left male gonad spheroid (perpendicular to long axis at midpoint)	left testis width	FOVT:0001368
right testis width	Length of the short axis of right male gonad spheroid (perpendicular to long axis at midpoint)	right testis width	FOVT:0001368