

S1 – Full Ethogram Including Behavioural Descriptions

Behavioural category	Behavioural sub-category	Behaviour	Description
Social	Play	Fruit-Missile	Fruit is thrown
		Slap-Fight	One oranzee slaps another, whilst performing play face
		Air-Split	Hand is passed through the air quickly with hand extended like 'karate chop'
		Leaf-Mask	Puts leaf over face
		Whistle	Noise is produced by pursing lips and blowing
		Pebble-Tease	Oranzee A offers pebble to B and takes it away again
	Display	Stone Drop	Lifts stone into the air and drops it again
		Branch Pull-Release	Hold branch, draw towards individual and then release
		Arm-Cross	Both arms are folded across the body
		Two-Hand-Drum	<i>Both</i> hands are used to make a percussive noise on log or stone
		Splash	Hand(s) used to strike water to make it leave the main body of water
		Arm-Swing	Support entire weight through one or both arms and engage in lateral or forward motion.
	Groom	Tool Back-Scratcher	Using stick, scratch the back of another oranzee
		Hand Back-Scratcher	Using hand, scratch the back of another oranzee
		Tongue-Bathe	Lick part of another's body
		Tooth-Pick	Use stick or bone to pick between teeth
		Dirt-Shower	Throw dirt in air over head
		Ant-Shower	Throw ants in air over head
	Courtship	Flower-Offer	Attempt to give flower head to another
		Hand-Stand	Supporting all weight on hands and holding self-upside down for 5 seconds

Behavioural category	Behavioural sub-category	Behaviour	Description
		Rope-Swing	Hold onto rope and engage in forward or lateral motion whilst off ground
		Leaf-Fan	Wave leaf in front of face
		Wreath-Clutch	Hold a ring of leaves, whilst sitting still
		Ear-Pull	Pull the earlobe of another oranzee
Food-related	Fruit-Hammer Foraging	Wood-Wood	Hammer fruit with hammer and anvil of wood
		Wood-Stone	Hammer fruit with hammer made of wood and anvil of stone
		Stone-Wood	Hammer fruit with hammer made of stone and anvil of wood
		Stone-Stone	Hammer fruit with hammer and anvil of stone
	Stick-Based Foraging	Stick-Throw V	Stick is thrown at plant/vegetation
		Stick-Throw A	Stick is thrown at another animal (inc. conspecific)
		Fish-Stab	Fish is pierced with stick
		Hedgehog-Flick	Hedgehog is pushed over with stick to expose underside
	Anvil Smash	Anvil-Smash S	Food source is used to strike stone anvil directly
		Anvil-Smash W	Food source is used to strike wooden anvil directly
		Smash-Ground	Food source is used to strike ground directly
		Drop-Ground	Food source is dropped to ground
	Rolling Pin Techniques	Rolling-Wood	Stick used to flatten food source
		Rolling-Stone	Stone used to flatten food source
		Rolling-Bone	Bone used to flatten food source
		Rolling-Other	Other substrate used to flatten food source