

Table S1 | Sample information

Species	common name	Sample number
<i>Phascolarctos cinereus</i>	koala	Pci-SN265 Pci-QMJ6480 Pci-582119 Pci-MCZ8574 Pci-MCZ12454 Pci-um3435 Pci-maex1738
<i>Rattus norvegicus</i>	Norway rat	C0317
<i>Rattus exulans</i>	polynesian rat	R4824
<i>Mus cookii</i>	Cook's mouse	R5155, R5482
<i>Mus cervicolor</i>	fawn-colored mouse	R4864, R5630
<i>Mus fragilicauda</i>	sheath-tailed mouse	R5125
<i>Mus caroli</i>	Ryukyu mouse	C0423, R5231
<i>E. coli</i>	strain 536	NA
<i>Phytophthora infestans</i>	Potato blight	RS2009P1
<i>Architeuthis dux</i>	Giant squid	GS MTV Z9261
<i>Columba livia</i>	Pigeon	GUI 14
<i>Vitis vinifera</i>	Grape	Hatis-1

Collection source	Date collected	Tissue type
Schönbrunn Zoo Vienna	2012	Whole blood
Queensland Museum	1938	Skin
Stockholm Museum	1911	Skin
Museum of Comparative Zoology	1904	Skin
Museum of Comparative Zoology	1904	Skin
Bohusläns Museum	1891	Skin
Goteborg Museum	1870-1891	Skin
CERoPath, Institut des Sciences de l'Evolution, CNRS	2008	Whole blood
CERoPath, Institut des Sciences de l'Evolution, CNRS	2008	Whole blood
CERoPath, Institut des Sciences de l'Evolution, CNRS	2008	Whole blood
CERoPath, Institut des Sciences de l'Evolution, CNRS	2008	Whole blood
CERoPath, Institut des Sciences de l'Evolution, CNRS	2008	Whole blood
CERoPath, Institut des Sciences de l'Evolution, CNRS	2008	Whole blood
CERoPath, Institut des Sciences de l'Evolution, CNRS	2008	Human urine
Pennsylvania, USA	2009	Mycelium
Tasman Sea, near New Zealand	1998	Tentacle
Guimaraes, Portugal	2011	Muscle
Abovyan, Armenia	2011	Leaf