

Next Generation Sequencing Assays*

Taxa

Insects/macroinvertebrates, bacteria, fish, fungi, zooplankton, phytoplankton, plants/pollen, vertebrates, parasites, amphibians, sharks, crustaceans, unionid mussels

* Please note, our assay lists are always growing in response to client requests and our own research and development. Do not hesitate to contact us if your needs include assays for other species.

Quantitative PCR Assays*

Taxa

Species

Mammals

- Human (*Homo sapiens*)
- Cattle (*Bos taurus*)
- Pig (*Sus scrofa*)
- Dog (*Canis familiaris*)
- Sheep (*Ovis aries*)
- White-tailed Deer (*Odocoileus virginianus*)
- Horse (*Equus caballus*)

Birds

- Chicken (*Gallus gallus*)
- Canada Goose (*Branta canadensis*)
- Turkey (*Meleagris gallopavo*)

Amphibians

- American Bullfrog (*Lithobates catesbeianus*)
- Red-legged Frog (*Rana draytonii*)
- Yellow-legged Frog (*Rana muscosa*)

Fish

- Common Carp (*Cyprinus carpio*)
- Silver Carp (*Hypophthalmichthys molitrix*)
- Bighead Carp (*Hypophthalmichthys nobilis*)
- Round Goby (*Neogobius melanostomus*)
- Burbot (*Lota lota*)
- Dolly Varden (*Salvelinus malma*)
- Arctic Char (*Salvelinus alpinus*)
- Northern Pike (*Esox lucius*)

- Round Whitefish (*Prosopium cylindraceum*)
- Chum Salmon (*Oncorhynchus keta*)
- Chinook Salmon (*Oncorhynchus tshawytscha*)
- Coho Salmon (*Oncorhynchus kisutch*)
- Arctic Grayling (*Thymallus arcticus*)
- Rainbow Trout (*Oncorhynchus mykiss*)
- Grass Carp (*Ctenopharyngodon idella*)
- Topeka Shiner (*Notropis topeka*)

Invertebrates

- New Zealand Mudsail (*Potamopyrgus antipodarum*)
- Rusty Crayfish (*Orconectes rusticus*)
- Zebra Mussel (*Dreissena polymorpha*)
- Quagga Mussel (*Dreissena bugensis*)

Microbes

- *Escherichia coli*
- *Enterococcus sp.*

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