

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
And Reptiles

- American Bullfrog (*Lithobates catesbeianus*)
- Red-legged Frog (*Rana draytonii*)
- Yellow-legged Frog (*Rana muscosa*)
- Sonoran Tiger Salamander (*Ambystoma mavortium*)
- California Tiger Salamander (*Ambystoma tigrinum*)
- Chiricahua Leopard Frog (*Lithobates chiricahuensis*)
- Blanding's Turtle (*Emys blandingii*)
- Wood Turtle (*Glyptemys insculpta*)
- Blue-spotted Salamander (*Ambystoma laterale*)

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*)
- American eel (*Anguilla rostrata*)
- Blackside Dace (*Chrosomusumberlandensis*)
- Rainbow Smelt (*Osmerus mordax*)
- Round Whitefish (*Prosopium cylindraceum*)
- Chinook Salmon (*Oncorhynchus tshawytscha*)
- Coho Salmon (*Oncorhynchus kisutch*)
- Arctic Grayling (*Thymallus arcticus*)
- Rainbow Trout (*Oncorhynchus mykiss*)
- Grass Carp (*Ctenopharyngodon idella*)
- Topeka Shiner (*Notropis topeka*)
- Comet Goldfish (*Carassius auratus*)
- Brook Trout (*Salvelinus fontinalis*)
- Brown Trout (*Salmo trutta*)
- Coastal Cutthroat Trout (*Oncorhynchus clarkii clarkii*)

Invertebrates

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

Microbes	• <i>Escherichia coli</i> • <i>Enterococcus sp.</i> • <i>Aspergillus sp.</i> • <i>Salmonella sp.</i>
Plants	• Waterhyme (<i>Hydrilla verticillata</i>) • Eurasian Watermilfoil (<i>Myriophyllum spicatum</i>) • Wild Rice (<i>Zizania aquatica</i>)
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